

Spreadsheet Level	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>* unassigned *</b>			
Board insulation; polystyrene; wall; 2" thick, R8.33	2,475.00 sf	1.65 /sf	4,089
Fire Suppression Quote	17,500.00 gsf	4.00 /gsf	70,000
Plumbing Quote	17,500.00 gsf	7.50 /gsf	131,250
HVAC Quote	17,500.00 gsf	10.50 /gsf	183,750
Electrical Power & Lighting Quote	17,500.00 gsf	12.00 /gsf	210,000
<b>* unassigned *</b>			<b>599,089</b>
<b>A1010.10 1000 Continuous Footing</b>			
Footing forms, job built; continuous wall; 4 uses	1,170.00 sf	10.21 /sf	11,944
Keyway form (5 uses); 2" x 4"	585.00 lf	5.55 /lf	3,245
Footing rebar; grade 60; #3 - #4	1.21 ton	3,494.81 /ton	4,232
Continuous footing concrete; 2500 or 3000 psi; by chute	28.89 cy	171.76 /cy	4,962
<b>Continuous Footing</b>	<b>28.89 cy</b>	<b>844.04 /cy</b>	<b>24,384</b>
<b>A1010.30 1000 Spread Footing</b>			
Footing forms, job built; column footing, spread; 4 uses	582.00 sf	12.03 /sf	6,999
Footing rebar; grade 60; #3 - #4	0.02 ton	3,495.00 /ton	84
Footing rebar; grade 60; #5 - #6	0.99 ton	3,038.40 /ton	2,996
Spread footing concrete; 2500 or 3000 psi; under 5 cy; by chute	27.33 cy	171.76 /cy	4,695
<b>Spread Footing</b>	<b>27.33 cy</b>	<b>540.51 /cy</b>	<b>14,774</b>
<b>A2010.10 1100 Pier</b>			
Column forms; square, job built; 36" x 36"; 4 uses	1,055.21 sf	15.08 /sf	15,916
Chamfer strip; wood; 3/4" wide	444.64 lf	2.71 /lf	1,204
Column rebar; #3 - #4	0.27 ton	4,651.80 /ton	1,265
Column rebar; #5 - #6	0.38 ton	3,809.74 /ton	1,459
Column concrete; 2500 or 3000 psi; by pump	22.61 cy	269.12 /cy	6,086
Grouting for bases; non-shrink; non-metallic; 2" deep	126.33 sf	35.35 /sf	4,466
<b>Pier</b>	<b>22.61 cy</b>	<b>1,344.11 /cy</b>	<b>30,396</b>
<b>A2010.10 2100 Foundation Wall, CIP</b>			
Wall forms, job built; exterior; up to 8' high; 4 uses	5,850.00 sf	10.61 /sf	62,061
Wall rebar; concrete; #3 - #4	0.86 ton	3,263.40 /ton	2,807
Wall concrete; 2500 or 3000 psi; to 4'; by chute	72.22 cy	167.22 /cy	12,077
Wall finish; break ties and patch holes	2,925.00 sf	1.91 /sf	5,573
<b>Foundation Wall, CIP</b>	<b>72.22 cy</b>	<b>1,142.55 /cy</b>	<b>82,518</b>
<b>A4010.00 1000 Standard Slab on Grade</b>			
Expansion joint, premolded, in slabs; polyethylene foam; 1/2" x 6"	550.00 lf	3.77 /lf	2,073
Vapor barrier; 6 mil polyethylene	13,673.00 sf	0.33 /sf	4,472
Gravel porous fill, under floor slab, 3/4" stone	253.20 cy	145.79 /cy	36,914
Slab rebar; #3 - #4	6.09 ton	3,494.80 /ton	21,280
Slab on grade concrete; 3500 or 4000 psi; by chute	253.20 cy	173.82 /cy	44,011
Floor finish; screed	13,673.00 sf	1.19 /sf	16,282
Concrete curing; sprayed membrane; slabs	13,673.00 sf	0.22 /sf	2,984
<b>Standard Slab on Grade</b>	<b>13,673.00 sf</b>	<b>9.36 /sf</b>	<b>128,016</b>
<b>A4010.00 1000 Overhead Door Aprons</b>			
Slab forms, job built; edge; 12" high; 4 uses	48.00 lf	10.21 /lf	490
Gravel porous fill, under floor slab, 3/4" stone	1.78 cy	145.79 /cy	259
Slab rebar; #3 - #4	0.04 ton	3,494.90 /ton	150
Slab on grade concrete; 3500 or 4000 psi; by chute	3.56 cy	173.82 /cy	618
Floor finish; screed	96.00 sf	1.19 /sf	114
Concrete curing; sprayed membrane; slabs	96.00 sf	0.22 /sf	21
<b>Overhead Door Aprons</b>	<b>96.00 sf</b>	<b>17.22 /sf</b>	<b>1,653</b>
<b>A4010.00 1000 Exterior Door Stoops</b>			
Slab forms, job built; edge; 6" high; 4 uses	99.00 lf	9.58 /lf	948
Gravel porous fill, under floor slab, 3/4" stone	3.13 cy	145.79 /cy	456
Slab rebar; #3 - #4	0.08 ton	3,494.70 /ton	266
Slab on grade concrete; 3500 or 4000 psi; by chute	3.13 cy	173.82 /cy	544
Floor finish; screed	169.00 sf	1.19 /sf	201
Concrete curing; sprayed membrane; slabs	169.00 sf	0.22 /sf	37
<b>Exterior Door Stoops</b>	<b>169.00 sf</b>	<b>14.51 /sf</b>	<b>2,453</b>

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<b>B1010.10 1220 Column, Steel, Hollow Tubing, Square</b>			
Structural steel; tube; greater than 6" wide rectangular; heavy sections	1.41 ton	5,317.34 /ton	7,508
Fireproofing; sprayed on; 1" thick; on columns	120.89 sf	3.15 /sf	381
<b>Column, Steel, Hollow Tubing, Square</b>	<b>45.33 lf</b>	<b>174.03 /lf</b>	<b>7,889</b>
<b>B1010.10 2210 Floor Framing, Steel Beam, Wide Flange</b>			
Structural steel; beams and girders, A-36; bolted	1.85 ton	4,203.52 /ton	7,768
Fireproofing; sprayed on; 1" thick; on beams	387.27 sf	3.38 /sf	1,309
<b>Floor Framing, Steel Beam, Wide Flange</b>	<b>88.00 lf</b>	<b>103.15 /lf</b>	<b>9,077</b>
<b>B1010.10 3530 Floor Framing, Steel Joist, K Series</b>			
Metal joist; K series	9.76 ton	2,834.25 /ton	27,668
<b>Floor Framing, Steel Joist, K Series</b>	<b>1,562.50 lf</b>	<b>17.71 /lf</b>	<b>27,668</b>
<b>B1010.20 3500 CIP Floor Slab, Concrete on Metal Decking</b>			
Slab wire mesh; standard; 6" x 6"; W1.4 x W1.4	3,125.00 sf	0.69 /sf	2,144
Elevated slab concrete; 2500 or 3000 psi; by pump	40.99 cy	199.59 /cy	8,182
Floor finish; screed	3,125.00 sf	1.19 /sf	3,721
Concrete curing; sprayed membrane; slabs	3,125.00 sf	0.22 /sf	682
Metal deck; open type, galvanized; 1 1/2" deep; 20 ga	3,125.00 sf	4.87 /sf	15,229
Fireproofing; sprayed on; 1" thick; on decks; fluted surface	3,125.00 sf	2.55 /sf	7,971
<b>CIP Floor Slab, Concrete on Metal Decking</b>	<b>3,125.00 sf</b>	<b>12.14 /sf</b>	<b>37,928</b>
<b>B1080.10 1100 Concrete-Filled Metal Pan Stairs &amp; Landings</b>			
Metal stair; pan type with cement fill, steel; per riser; tread; 4' wide	21.00 each	413.57 /each	8,685
Metal stair; pan type with cement fill, steel; per riser; landing	41.00 sf	130.55 /sf	5,353
<b>Concrete-Filled Metal Pan Stairs &amp; Landings</b>	<b>1.00 each</b>	<b>14,037.51 /each</b>	<b>14,038</b>
<b>B1080.50 1000 Railing, Metal Pipe</b>			
Railing, pipe; 1 1/2" dia, welded steel; 3-rail; galvanized	120.00 lf	81.55 /lf	9,786
Railing, pipe; 1 1/2" dia, welded steel; wall mounted, single rail; galvanized	35.00 lf	43.73 /lf	1,530
<b>Railing, Metal Pipe</b>	<b>155.00 lf</b>	<b>73.01 /lf</b>	<b>11,317</b>
<b>B2010.30 3200 Exterior Wall Interior Skin, Drywall/Metal Furring</b>			
Metal framing; furring; on walls; 7/8" channel; 16" o.c.	1,987.50 sf	3.52 /sf	6,997
Drywall; plasterboard; 5/8"; nailed or screwed to walls	1,987.50 sf	1.56 /sf	3,091
Drywall; add for fire resistant	1,987.50 sf	0.12 /sf	239
Drywall; add for taping and finishing joints; average	1,987.50 sf	0.72 /sf	1,439
<b>Exterior Wall Interior Skin, Drywall/Metal Furring</b>	<b>1,987.50 sf</b>	<b>5.92 /sf</b>	<b>11,766</b>
<b>B2020.20 4500 Steel Window, Industrial, Fixed</b>			
Steel window, primed; industrial; fixed sash	18.00 sf	59.82 /sf	1,077
<b>Steel Window, Industrial, Fixed</b>	<b>6.00 each</b>	<b>179.46 /each</b>	<b>1,077</b>
<b>B2050.10 1100 Entry Door, HM w/ HM Frame, Single, 3' x 7'</b>			
Hollow metal frame, stock; 16 ga; 6 3/4" x 1 3/4"; 3'-0" x 7'-0"	5.00 each	327.76 /each	1,639
Flush hollow metal door; heavy duty, unrated; 18 ga; 1 3/4" thick; 3'-0" x 7'-0"	5.00 each	606.39 /each	3,032
Hinges; 4" x 4" butts, steel, standard	7.50 pair	31.00 /pair	233
Mortise locks and latchsets, chrome; entry lockset	5.00 each	402.29 /each	2,011
Door closer; surface mounted, traditional type, parallel arm; heavy duty	5.00 each	415.94 /each	2,080
<b>Entry Door, HM w/ HM Frame, Single, 3' x 7'</b>	<b>5.00 each</b>	<b>1,798.88 /each</b>	<b>8,994</b>
<b>B2050.10 1200 Entry Door, HM w/ HM Frame, Double, 6' x 7'</b>			
Hollow metal frame, stock; 16 ga; 6 3/4" x 1 3/4"; 6'-0" x 7'-0"	1.00 each	435.35 /each	435
Flush hollow metal door; heavy duty, unrated; 18 ga; 1 3/4" thick; 3'-0" x 7'-0"	2.00 each	606.39 /each	1,213
Hinges; 4" x 4" butts, steel, standard	3.00 pair	31.00 /pair	93
Latchset, heavy duty; mortise	1.00 each	299.75 /each	300
Mortise locks and latchsets, chrome; entry lockset	1.00 each	402.29 /each	402
Door closer; surface mounted, traditional type, parallel arm; heavy duty	2.00 each	415.94 /each	832
<b>Entry Door, HM w/ HM Frame, Double, 6' x 7'</b>	<b>1.00 each</b>	<b>3,275.05 /each</b>	<b>3,275</b>
<b>B2050.40 3100 Overhead Door, Metal, Commercial</b>			
Sectional metal overhead door, complete; commercial grade; 12' x 12'	3.00 each	2,947.50 /each	8,843
<b>Overhead Door, Metal, Commercial</b>	<b>3.00 each</b>	<b>2,947.50 /each</b>	<b>8,843</b>
<b>C1010.10 3200 Partition, Drywall on Metal Framing</b>			
Batt insulation; wall, fiberglass; unfaced; 4" thick, R11	4,250.00 sf	1.39 /sf	5,916
Metal framing; studs, non-load bearing, galvanized; 3 5/8"; 20 ga; 16" o.c.	4,250.00 sf	2.77 /sf	11,753
Drywall; plasterboard; 5/8"; nailed or screwed to walls	8,500.00 sf	1.56 /sf	13,221
Drywall; add for fire resistant	8,500.00 sf	0.12 /sf	1,020

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<b>C1010.10 3200 Partition, Drywall on Metal Framing</b>			
Drywall; add for taping and finishing joints; average	8,500.00 sf	0.72 /sf	6,155
<b>Partition, Drywall on Metal Framing</b>	<b>4,250.00 sf</b>	<b>8.96 /sf</b>	<b>38,065</b>
<b>C1010.10 3200 Chase Wall between Bathrooms</b>			
Blocking; steel construction; walls; 2" x 6"	72.00 lf	8.98 /lf	646
Batt insulation; wall, fiberglass; unfaced; 4" thick, R11	450.00 sf	1.39 /sf	626
Metal framing; studs, non-load bearing, galvanized; 3 5/8"; 20 ga; 16" o.c.	450.00 sf	2.77 /sf	1,244
Drywall; plasterboard; 5/8"; nailed or screwed to walls	450.00 sf	1.56 /sf	700
Drywall; add for water resistant	450.00 sf	0.19 /sf	86
Drywall; add for taping and finishing joints; average	450.00 sf	0.72 /sf	326
<b>Chase Wall between Bathrooms</b>	<b>450.00 sf</b>	<b>8.06 /sf</b>	<b>3,629</b>
<b>C1030.10 1100 Single Door, Solid Wood w/ HM Frame, 3' x 7'</b>			
Hollow metal frame, stock; 16 ga; 5 3/4" x 1 3/4"; 3'-0" x 7'-0"	6.00 each	317.76 /each	1,907
Wood door; solid core; 1 3/4" thick; birch faced; 3'-0" x 7'-0"	6.00 each	400.94 /each	2,406
Hinges; 4" x 4" butts, steel, standard	9.00 pair	31.00 /pair	279
Lockset, heavy duty; cylindrical	6.00 each	370.47 /each	2,223
<b>Single Door, Solid Wood w/ HM Frame, 3' x 7'</b>	<b>6.00 each</b>	<b>1,135.67 /each</b>	<b>6,814</b>
<b>C1030.10 1100 Single Door, Solid Wood w/ HM Frame, 3' x 7' with Sidelight</b>			
Hollow metal frame, stock; 16 ga; 4 3/4" x 1 3/4"; sidelight, complete; 1'-0" x 7'-2"	7.00 each	562.76 /each	3,939
Hollow metal frame, stock; 16 ga; 5 3/4" x 1 3/4"; 3'-0" x 7'-0"	7.00 each	317.76 /each	2,224
Wood door; solid core; 1 3/4" thick; birch faced; 3'-0" x 7'-0"	7.00 each	400.94 /each	2,807
Hinges; 4" x 4" butts, steel, standard	10.50 pair	31.00 /pair	326
Lockset, heavy duty; cylindrical	7.00 each	370.47 /each	2,593
<b>Single Door, Solid Wood w/ HM Frame, 3' x 7' with Sidelight</b>	<b>7.00 each</b>	<b>1,698.43 /each</b>	<b>11,889</b>
<b>C1030.10 1200 Double Doors, Solid Wood w/ HM Frame, 6' x 7'</b>			
Hollow metal frame, stock; 16 ga; 5 3/4" x 1 3/4"; 6'-0" x 7'-0"	1.00 each	390.35 /each	390
Wood door; solid core; 1 3/4" thick; birch faced; 3'-0" x 7'-0"	2.00 each	400.94 /each	802
Hinges; 4" x 4" butts, steel, standard	3.00 pair	31.00 /pair	93
Latchset, heavy duty; cylindrical	1.00 each	255.47 /each	255
Lockset, heavy duty; cylindrical	1.00 each	370.47 /each	370
<b>Double Doors, Solid Wood w/ HM Frame, 6' x 7'</b>	<b>1.00 each</b>	<b>1,911.17 /each</b>	<b>1,911</b>
<b>C1040.10 2000 Overhead Coiling Grille</b>			
Top coiling grille, manually operated, steel or aluminum; opening; 6' high x 16' wide	1.00 each	4,896.43 /each	4,896
<b>Overhead Coiling Grille</b>	<b>1.00 each</b>	<b>4,896.43 /each</b>	<b>4,896</b>
<b>C1070.10 1000 Acoustic Ceiling Tile</b>			
Acoustical panels; mineral fiber; 3/4" thick; 2' x 2'	2,920.00 sf	3.65 /sf	10,648
Ceiling suspension system; T-bar; 2' x 2'	2,920.00 sf	2.56 /sf	7,487
<b>Acoustic Ceiling Tile</b>	<b>2,920.00 sf</b>	<b>6.21 /sf</b>	<b>18,134</b>
<b>C1090.25 1110 Toilet Partition</b>			
Toilet partition; metal; floor mounted	2.00 each	1,036.88 /each	2,074
<b>Toilet Partition</b>	<b>2.00 each</b>	<b>1,036.88 /each</b>	<b>2,074</b>
<b>C1090.25 1150 Toilet Partition, ADA</b>			
Toilet partition; wheelchair accessible; painted metal; floor mounted	2.00 each	1,436.88 /each	2,874
<b>Toilet Partition, ADA</b>	<b>2.00 each</b>	<b>1,436.88 /each</b>	<b>2,874</b>
<b>C1090.25 1210 Urinal Screen, Metal</b>			
Toilet partition; urinal screen; painted metal; floor mounted	2.00 each	555.94 /each	1,112
<b>Urinal Screen, Metal</b>	<b>2.00 each</b>	<b>555.94 /each</b>	<b>1,112</b>
<b>C1090.40 2000 Grab Bar</b>			
Grab bar, wall mounted; 1 1/2" dia; stainless steel; 36" long	2.00 each	119.13 /each	238
Grab bar, wall mounted; 1 1/2" dia; stainless steel; 42" long	2.00 each	129.20 /each	258
<b>Grab Bar</b>	<b>4.00 each</b>	<b>124.16 /each</b>	<b>497</b>
<b>C2010.10 1300 Wall Tile, Ceramic</b>			
Scratch coat; for ceramic tile	46.67 sy	13.07 /sy	610
Tile; glazed ceramic wall; 4 1/4" x 4 1/4"; average	420.00 sf	12.05 /sf	5,061
Tile; glazed ceramic base; 4 1/4" high; average	105.00 lf	17.77 /lf	1,866
<b>Wall Tile, Ceramic</b>	<b>420.00 sf</b>	<b>17.95 /sf</b>	<b>7,537</b>
<b>C2010.70 1000 Painted Wall Finish</b>			
Paint walls; spray; first coat; average	6,735.00 sf	0.31 /sf	2,063
Paint walls; spray; second coat; average	6,735.00 sf	0.29 /sf	1,954

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<b>Painted Wall Finish</b>	<b>6,735.00 sf</b>	<b>0.60 /sf</b>	<b>4,016</b>
<b>C2030.20 1300 Floor Tile, Ceramic</b>			
Tile; unglazed ceramic flooring; portland cement bed, cushion edge, face mounted; 2' x 2'	275.00 sf	17.85 /sf	<b>4,909</b>
<b>Floor Tile, Ceramic</b>	<b>275.00 sf</b>	<b>17.85 /sf</b>	<b>4,909</b>
<b>C2030.50 1000 Vinyl Composition Tile</b>			
Resilient flooring; solid vinyl tile, 1/8" thick, 12" x 12"; solid colors	140.00 sf	9.37 /sf	<b>1,312</b>
<b>Vinyl Composition Tile</b>	<b>140.00 sf</b>	<b>9.37 /sf</b>	<b>1,312</b>
<b>C2030.50 5000 Vinyl Base</b>			
Resilient wall base, vinyl; group 1; 4" high	690.00 lf	4.89 /lf	<b>3,375</b>
<b>Vinyl Base</b>	<b>690.00 lf</b>	<b>4.89 /lf</b>	<b>3,375</b>
<b>C2030.75 2000 Carpet Tile</b>			
Carpet; tile; foam backed; average	2,560.00 sf	7.03 /sf	<b>17,991</b>
<b>Carpet Tile</b>	<b>2,560.00 sf</b>	<b>7.03 /sf</b>	<b>17,991</b>
<b>C2050.70 1000 Painted Ceiling Finish</b>			
Paint ceilings; spray; first coat; average	20.00 sf	0.38 /sf	<b>8</b>
Paint ceilings; spray; second coat; average	20.00 sf	0.33 /sf	<b>7</b>
<b>Painted Ceiling Finish</b>	<b>20.00 sf</b>	<b>0.70 /sf</b>	<b>14</b>
<b>F1020.40 1000 Pre-Engineered Metal Building</b>			
Pre-engineered metal building; 100' x 150'; 25' eave height	14,060.00 sf	25.07 /sf	<b>352,481</b>
<b>Pre-Engineered Metal Building</b>	<b>14,060.00 sf</b>	<b>25.07 /sf</b>	<b>352,481</b>

**Estimate Totals**

Description	Amount	Totals	Hours	Rate	Unit Cost	% of Total
Labor	681,581		5,090.1 hrs		38.95 /gsf	39.62%
Material	740,574				42.32 /gsf	43.05%
Subcontract						
Equipment	86,526		175.1 hrs		4.94 /gsf	5.03%
Other						
<b>Trade Cost Subtotal</b>	<b>1,508,681</b>	<b>1,508,681</b>			<b>86.21 /gsf</b>	<b>87.69%</b>
General Conditions	105,608			7.000 %	6.03 /gsf	6.14%
<b>Construction Cost Subtotal</b>	<b>1,614,289</b>	<b>1,614,289</b>			<b>92.25 /gsf</b>	<b>93.83%</b>
Fee	80,714			5.000 %	4.61 /gsf	4.69%
Insurance	25,425			1.500 %	1.45 /gsf	1.48%
<b>Total</b>		<b>1,720,429</b>			<b>98.31 /gsf</b>	