

Spreadsheet Level	Takeoff Quantity	Total Cost/Unit	Total Amount
A SUBSTRUCTURE			
A10 Foundations			
A1010 Standard Foundations			
Footing forms, job built; continuous wall; 4 uses	1,170.00 sf	10.21 /sf	11,944
Footing forms, job built; column footing, spread; 4 uses	582.00 sf	12.03 /sf	6,999
Keyway form (5 uses); 2" x 4"	585.00 lf	5.55 /lf	3,245
Footing rebar; grade 60; #3 - #4	1.24 ton	3,494.80 /ton	4,316
Footing rebar; grade 60; #5 - #6	0.99 ton	3,038.40 /ton	2,996
Continuous footing concrete; 2500 or 3000 psi; by chute	28.89 cy	171.76 /cy	4,962
Spread footing concrete; 2500 or 3000 psi; under 5 cy; by chute	27.33 cy	171.76 /cy	4,695
A1010 Standard Foundations	56.22 cy	696.50 /cy	39,157
A10 Foundations			39,157
A20 Subgrade Enclosures			
A2010 Walls for Subgrade Enclosures			
Column forms; square, job built; 36" x 36"; 4 uses	1,055.21 sf	15.08 /sf	15,916
Wall forms, job built; exterior; up to 8' high; 4 uses	5,850.00 sf	10.61 /sf	62,061
Chamfer strip; wood; 3/4" wide	444.64 lf	2.71 /lf	1,204
Wall rebar; concrete; #3 - #4	0.86 ton	3,263.40 /ton	2,807
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
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
Grouting for bases; non-shrink; non-metallic; 2" deep	126.33 sf	35.35 /sf	4,466
Board insulation; polystyrene; wall; 2" thick, R8.33	2,475.00 sf	1.65 /sf	4,089
A2010 Walls for Subgrade Enclosures	94.83 cy	1,233.81 /cy	117,002
A20 Subgrade Enclosures			117,002
A40 Slabs on Grade			
A4010 Standard Slabs on Grade			
Slab forms, job built; edge; 6" high; 4 uses	99.00 lf	9.58 /lf	948
Slab forms, job built; edge; 12" high; 4 uses	48.00 lf	10.21 /lf	490
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	258.11 cy	145.79 /cy	37,630
Slab rebar; #3 - #4	6.21 ton	3,494.80 /ton	21,696
Slab on grade concrete; 3500 or 4000 psi; by chute	259.89 cy	173.82 /cy	45,173
Floor finish; screed	13,938.00 sf	1.19 /sf	16,598
Concrete curing; sprayed membrane; slabs	13,938.00 sf	0.22 /sf	3,042
A4010 Standard Slabs on Grade	13,938.00 sf	9.48 /sf	132,122
A40 Slabs on Grade			132,122
A SUBSTRUCTURE			288,281
B SHELL			
B10 Superstructure			
B1010 Floor Construction			
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
Structural steel; beams and girders, A-36; bolted	1.85 ton	4,203.52 /ton	7,768
Structural steel; tube; greater than 6" wide rectangular; heavy sections	1.41 ton	5,317.34 /ton	7,508
Metal joist; K series	9.76 ton	2,834.25 /ton	27,668
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 beams	387.27 sf	3.38 /sf	1,309
Fireproofing; sprayed on; 1" thick; on columns	120.89 sf	3.15 /sf	381
Fireproofing; sprayed on; 1" thick; on decks; fluted surface	3,125.00 sf	2.55 /sf	7,971
B1010 Floor Construction	3,125.00 sf	26.42 /sf	82,562
B1080 Stairs			
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

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B1080 Stairs			
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
B1080 Stairs	125.00 sf	202.83 /sf	25,354
B10 Superstructure			107,917
B20 Exterior Vertical Enclosures			
B2010 Exterior Walls			
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
B2010 Exterior Walls	1,987.50 sf	5.92 /sf	11,766
B2020 Exterior Windows			
Steel window, primed; industrial; fixed sash	18.00 sf	59.82 /sf	1,077
B2020 Exterior Windows	18.00 sf	59.82 /sf	1,077
B2050 Exterior Doors & Grilles			
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
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"	7.00 each	606.39 /each	4,245
Sectional metal overhead door, complete; commercial grade; 12' x 12'	3.00 each	2,947.50 /each	8,843
Hinges; 4" x 4" butts, steel, standard	10.50 pair	31.00 /pair	326
Latchset, heavy duty; mortise	1.00 each	299.75 /each	300
Mortise locks and latchsets, chrome; entry lockset	6.00 each	402.29 /each	2,414
Door closer; surface mounted, traditional type, parallel arm; heavy duty	7.00 each	415.94 /each	2,912
B2050 Exterior Doors & Grilles	9.00 each	2,345.77 /each	21,112
B20 Exterior Vertical Enclosures			33,955
B SHELL			141,871
C INTERIORS			
C10 Interior Construction			
C1010 Interior Partitions			
Blocking; steel construction; walls; 2" x 6"	72.00 lf	8.98 /lf	646
Batt insulation; wall, fiberglass; unfaced; 4" thick, R11	4,700.00 sf	1.39 /sf	6,543
Metal framing; studs, non-load bearing, galvanized; 3 5/8"; 20 ga; 16" o.c.	4,700.00 sf	2.77 /sf	12,998
Drywall; plasterboard; 5/8"; nailed or screwed to walls	8,950.00 sf	1.56 /sf	13,921
Drywall; add for fire resistant	8,500.00 sf	0.12 /sf	1,020
Drywall; add for water resistant	450.00 sf	0.19 /sf	86
Drywall; add for taping and finishing joints; average	8,950.00 sf	0.72 /sf	6,481
C1010 Interior Partitions	4,475.00 sf	9.32 /sf	41,694
C1030 Interior Doors			
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"	13.00 each	317.76 /each	4,131
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"	15.00 each	400.94 /each	6,014
Hinges; 4" x 4" butts, steel, standard	22.50 pair	31.00 /pair	698
Latchset, heavy duty; cylindrical	1.00 each	255.47 /each	255
Lockset, heavy duty; cylindrical	14.00 each	370.47 /each	5,187
C1030 Interior Doors	14.00 ea	1,472.44 /ea	20,614
C1040 Interior Grilles & Gates			
Top coiling grille, manually operated, steel or aluminum; opening; 6' high x 16' wide	1.00 each	4,896.43 /each	4,896
C1040 Interior Grilles & Gates	96.00 sf	51.00 /sf	4,896
C1070 Suspended Ceiling Construction			
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
C1070 Suspended Ceiling Construction	2,920.00 sf	6.21 /sf	18,134
C1090 Interior Specialties			
Toilet partition; metal; floor mounted	2.00 each	1,036.88 /each	2,074
Toilet partition; wheelchair accessible; painted metal; floor mounted	2.00 each	1,436.88 /each	2,874
Toilet partition; urinal screen; painted metal; floor mounted	2.00 each	555.94 /each	1,112
Grab bar, wall mounted; 1 1/2" dia; stainless steel; 36" long	2.00 each	119.13 /each	238

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C1090 Interior Specialties			
Grab bar, wall mounted; 1 1/2" dia; stainless steel; 42" long	2.00 each	129.20 /each	258
C1090 Interior Specialties	10.00 each	655.60 /each	6,556
C10 Interior Construction			91,895
C20 Interior Finishes			
C2010 Wall Finishes			
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
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
C2010 Wall Finishes	7,155.00 sf	1.62 /sf	11,553
C2030 Flooring			
Tile; unglazed ceramic flooring; portland cement bed, cushion edge, face mounted; 2" x 2"	275.00 sf	17.85 /sf	4,909
Resilient wall base, vinyl; group 1; 4" high	690.00 lf	4.89 /lf	3,375
Resilient flooring; solid vinyl tile, 1/8" thick, 12" x 12"; solid colors	140.00 sf	9.37 /sf	1,312
Carpet; tile; foam backed; average	2,560.00 sf	7.03 /sf	17,991
C2030 Flooring	2,975.00 sf	9.27 /sf	27,587
C2050 Ceiling Finishes			
Paint ceilings; spray; first coat; average	20.00 sf	0.38 /sf	8
Paint ceilings; spray; second coat; average	20.00 sf	0.33 /sf	7
C2050 Ceiling Finishes	20.00 sf	0.70 /sf	14
C20 Interior Finishes			39,154
C INTERIORS			131,049
D SERVICES			
D20 Plumbing			
D2010 Domestic Water Distribution			
Plumbing Quote	17,500.00 gsf	7.50 /gsf	131,250
D2010 Domestic Water Distribution	17,500.00 gsf	7.50 /gsf	131,250
D20 Plumbing			131,250
D30 HVAC			
D3050 Facility HVAC Distribution Systems			
HVAC Quote	17,500.00 gsf	10.50 /gsf	183,750
D3050 Facility HVAC Distribution Systems	17,500.00 gsf	10.50 /gsf	183,750
D30 HVAC			183,750
D40 Fire Protection			
D4010 Fire Suppression			
Fire Suppression Quote	17,500.00 gsf	4.00 /gsf	70,000
D4010 Fire Suppression	17,500.00 gsf	4.00 /gsf	70,000
D40 Fire Protection			70,000
D50 Electrical			
D5020 Electrical Service & Distribution			
Electrical Power & Lighting Quote	17,500.00 gsf	12.00 /gsf	210,000
D5020 Electrical Service & Distribution	17,500.00 gsf	12.00 /gsf	210,000
D50 Electrical			210,000
D SERVICES			595,000
F SPECIAL CONSTRUCTION & DEMOLITION			
F10 Special Construction			
F1020 Special Structures			
Pre-engineered metal building; 100' x 150'; 25' eave height	14,060.00 sf	25.07 /sf	352,481
F1020 Special Structures	14,060.00 sf	25.07 /sf	352,481
F10 Special Construction			352,481
F SPECIAL CONSTRUCTION & DEMOLITION			352,481

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						
Trade Cost Subtotal	1,508,681	1,508,681			86.21 /gsf	87.69%
General Conditions	105,608			7.000 %	6.03 /gsf	6.14%
Construction Cost Subtotal	105,608	1,614,289			92.25 /gsf	6.14%
Fee	80,714			5.000 %	4.61 /gsf	4.69%
Insurance	25,425			1.500 %	1.45 /gsf	1.48%
Total		1,720,429			98.31 /gsf	