



**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
					Amount
02 SITEWORK & DEMOLITION					
02-41-13.00	Selective Site Demolition				
02-41-13.17	Demolish, Remove Pavement And Curb				
5800	Demolish, remove pavement & curb, remove concrete, mesh reinforced, to 6" thick, hand held equipment, excludes hauling and disposal fees	235.00	sf	4.05 /sf	952
	Demolish, Remove Pavement And Curb				952
	12.086 Labor hours				
	10.071 Equipment hours				
	Selective Site Demolition				952
	12.086 Labor hours				
	10.071 Equipment hours				
02-41-16.00	Structure Demolition				
02-41-16.13	Building Demolition				
0080	Building demolition, large urban projects, masonry, excludes hauling, foundation demolition, dump fees	73,640.00	cf	1.232 /cf	90,705
	Building Demolition				90,705
	555.253 Labor hours				
	288.293 Equipment hours				
02-41-16.17	Building Demolition Footings And Foundations				
n 0280	Building footings and foundations demolition,floors,concrete slab grade,concrete,wire mesh reinforced,4"thick,excludes disposal costs and dump fees	1,878.00	sf	1.176 /sf	2,208
1080	Building footings and foundations demolition, remove concrete footing, 1'-6" thick, 2' wide, excludes disposal costs and dump fees	360.00	lf	17.450 /lf	6,282
2420	Building footings and foundations demolition, remove concrete walls, plain concrete, 8" thick, excludes disposal costs and dump fees	72.00	sf	4.998 /sf	360
2500	Buillding footings and foundations demolition, remove concrete walls, plain concrete, 12" thick, excludes disposal costs and dump fees	3,600.00	sf	1.74 /sf	6,264
4250	Building footings and foundations demolition, add for disposal, up to 5 miles, includes disposal costs and dump fees	2,979.00	cy	36.973 /cy	110,143
	Building Demolition Footings And Foundations				125,256
	543.839 Labor hours				
	691.930 Equipment hours				
	Structure Demolition				215,961
	1,099.092 Labor hours				
	980.223 Equipment hours				
02-41-19.00	Selective Demolition				
02-41-19.16	Selective Demolition, Cutout				
2080	Selective demolition, cutout, brick, opening, to 24 S.F., 12" thick, excludes toothing, loading and disposal	2.00	ea	775.00 /ea	1,550

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				Amount	
	<i>Selective Demolition, Cutout</i>				1,550
	20.00 Labor hours				
	20.00 Equipment hours				
	<b>Selective Demolition</b>				<b>1,550</b>
	20.00 Labor hours				
	20.00 Equipment hours				
<b>03-05-00.00</b>	<b>Common Work Results For Concrete</b>				
03-05-05.10	<i>Selective Demolition, Concrete</i>				
n 0060	Selectiv concret demoltg, exterior entry stairs	27.25 cy	194.000 /cy		5,287
	<i>Selective Demolition, Concrete</i>				5,287
	68.125 Labor hours				
	68.125 Equipment hours				
	<b>Common Work Results For Concrete</b>				<b>5,287</b>
	68.125 Labor hours				
	68.125 Equipment hours				
<b>03-81-00.00</b>	<b>Concrete Cutting</b>				
03-81-13.50	<i>Concrete Floor/Slab Cutting</i>				
0400	Concrete sawing, concrete slabs, mesh reinforcing, up to 3" deep, includes blade cost, layout and set up time	80.00 lf	2.13 /lf		170
0420	Concrete sawing, concrete, existing slab, mesh reinforcing, for each additional inch of depth over 3", includes blade cost, layout and set up time	240.00 lf	0.71 /lf		170
	<i>Concrete Floor/Slab Cutting</i>				341
	2.612 Labor hours				
	3.918 Equipment hours				
	<b>Concrete Cutting</b>				<b>341</b>
	2.612 Labor hours				
	3.918 Equipment hours				
<b>03-81-16.00</b>	<b>Track Mounted Concrete Wall Sawing</b>				
03-81-16.50	<i>Concrete Wall Cutting</i>				
0800	Concrete sawing, concrete walls, plain, per inch of depth, hydraulic saw	56.00 lf	9.85 /lf		552
0820	Concrete sawing, concrete walls, rod reinforcing, per inch of depth	168.00 lf	16.50 /lf		2,772
	<i>Concrete Wall Cutting</i>				3,324
	21.504 Labor hours				
	43.008 Equipment hours				
	<b>Track Mounted Concrete Wall Sawing</b>				<b>3,324</b>
	21.504 Labor hours				
	43.008 Equipment hours				
	<b>02 SITEWORK &amp; DEMOLITION</b>				<b>227,414</b>
	1,223.419 Labor hours				
	1,125.346 Equipment hours				

**Option B**  
**Budget Detail**

Page 4

Item	Description	Takeoff Qty	Unit Cost	Total
				Amount
03 CONCRETE				
03-05-13.00	Basic Concrete Materials			
03-05-13.25	Aggregate			
0950	Aggregate, sand, washed, for concrete, loaded at the pit, prices per C.Y., includes material only	27.222 cy	51.50 /cy	1,402
1050	Aggregate, stone, 3/4" to 1-1/2", prices per C.Y., includes material only	163.333 cy	29.50 /cy	4,818
	Aggregate			6,220
03-05-13.80	Waterproofing And Dampproofing			
n 1200	Underslab vapor barrier, visqueen membrane to 6 mil	4,410.00 sf	0.166 /sf	731
	Waterproofing And Dampproofing			731
	12.701 Labor hours			
	Basic Concrete Materials			6,951
	12.701 Labor hours			
03-11-13.00	Structural Cast-In-Place Concrete Forming			
03-11-13.65	Forms In Place, Slab On Grade			
2050	C.I.P. concrete forms, slab on grade, curb, wood, 6" to 12" high, 2 use, includes erecting, bracing, stripping and cleaning	37.50 sfca	15.744 /sfca	590
	Forms In Place, Slab On Grade			590
	6.400 Labor hours			
03-11-13.85	Forms In Place, Walls			
2050	C.I.P. concrete forms, wall, job built, plywood, to 8' high, 2 use, includes erecting, bracing, stripping and cleaning	364.00 sfca	14.958 /sfca	5,445
	Forms In Place, Walls			5,445
	53.554 Labor hours			
	Structural Cast-In-Place Concrete Forming			6,035
	59.954 Labor hours			
03-15-05.00	Concrete Forming Accessories			
03-15-05.25	Expansion Joints			
n 5500	Sawcut control joints, slab on grade	384.00 lf	1.202 /lf	462
n 5525	Sawcut control joints, elevated decks	396.00 lf	1.202 /lf	476
	Expansion Joints			938
	10.400 Labor hours			
	15.60 Equipment hours			
	Concrete Forming Accessories			938
	10.400 Labor hours			
	15.60 Equipment hours			
03-15-13.00	Waterstops			
03-15-13.50	Waterstops			

**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
03-15-13.50	<i>Waterstops</i>				
1300	Waterstop, PVC, ribbed type, split, 3/8" thick x 6" wide	297.00 lf	13.062 /lf	3,879	
5250	Waterstop, fittings, rubber, flat, dumbbell or center bulb, field union, 3/8" thick x 9" wide	25.00 ea	55.533 /ea	1,388	
	<i>Waterstops</i>				5,268
	29.703 Labor hours				
	<b>Waterstops</b>				<b>5,268</b>
	29.703 Labor hours				
<b>03-21-05.00</b>	<b>Reinforcing Steel Accessories</b>				
03-21-10.60	<i>Reinforcing In Place</i>				
0610	Reinforcing in place, A615 Gr 60, slab on grade, #3 to #7	0.278 lb	1.30 /lb	0	
0760	Reinforcing in place, A615 Gr 60, walls, #8 to #18	0.91 lb	0.96 /lb	1	
2005	Reinforcing in place, unloading & sorting, add to above - slabs	2.158 ton	71.997 /ton	155	
2050	Reinforcing in place, unloading & sorting, add to above - decks	1.556 ton	72.00 /ton	112	
2215	Reinforcing in place, crane cost for handling, add to above, slabs	2.158 ton	78.003 /ton	168	
2220	Reinforcing steel, crane cost for handling, maximum, add	1.556 ton	280.00 /ton	436	
	<i>Reinforcing In Place</i>				873
	7.851 Labor hours				
	1.121 Equipment hours				
	<b>Reinforcing Steel Accessories</b>				<b>873</b>
	7.851 Labor hours				
	1.121 Equipment hours				
<b>03-22-00.00</b>	<b>Fabric And Grid Reinforcing</b>				
03-22-05.50	<i>Welded Wire Fabric</i>				
0110	Welded wire fabric, sheets, on deck, 6 x 6 - W1.4xW1.4 (10 x 10), 21 lb/CSF	148.200 csf	67.368 /csf	9,984	
0600	Welded wire fabric, sheets, 4 x 4 - W2.1 x W2.1 (8 x 8) 44 lb. per C.S.F., A185, incl labor for accessories, excl material for accessories	44.10 csf	115.684 /csf	5,102	
	<i>Welded Wire Fabric</i>				15,086
	122.772 Labor hours				
	<b>Fabric And Grid Reinforcing</b>				<b>15,086</b>
	122.772 Labor hours				
<b>03-30-00.00</b>	<b>Cast-In-Place Concrete</b>				
03-30-53.40	<i>Concrete In Place</i>				
1925	Concrete in place, flatslab to 8", w/ PT strands & reinforcing, 5#/sf	80.00 sf	9.130 /sf	730	
n	3825 Strt concrete,place,spread footing (3000 psi),1 cy 5 cy, includes forms(4 us),grade 60 rebar,concrete (portland cement type i),placing and finishing	8.00 cy	530.190 /cy	4,242	
n	3940 Strt concrt,place,contns strip footng (3000 psi),24"wd x 12"dp,mfrcd,incls frms(4 us),grade 60 rebar,concr (prtl cement type i),placng and finshng	10.963 cy	506.298 /cy	5,551	

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Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
03-30-53.40	<i>Concrete In Place</i>				
n 3940	Strt concr,place,contns strip footng (3000 psi),24"wd x 12"dp,rnfrcd,inclds frms(4 us),grade 60 rebar,concr (prtln cement type i),placng and finshng	31.996 cy	424.999 /cy	13,598	
n 3945	Strt concr,place,contns strip footng (3000 psi),36"wd x 12"dp,unrnfr,inclds frms(4 us),concr (prtln cement type i),placng and finshng,exclds rnfrng	31.333 cy	430.900 /cy	13,502	
n 4200	Strt concr,place,free-standng wall (3000 psi),8"thick x 8'high,includs forms(4 us),grade 60 rebar,concret (prtln cement type i),placing and finishng	8.19 cy	706.60 /cy	5,787	
n 4200	Strt concr,place,free-standng wall (3000 psi),8"thick x 8'high,includs forms(4 us),grade 60 rebar,concret (prtln cement type i),placing and finishng	11.91 cy	650.00 /cy	7,742	
n 4260	Strt concr,place,free-standng wall (3000 psi),12"thick x 8'high,includs forms(4 us),grade 60 rebar,concret (prtln cement type i),placing and finishng	18.667 cy	515.000 /cy	9,614	
n 4270	Strt concr,place,free-stdng wall (3000 psi),12"thick x 14'high,includs forms(4 us),grade 60 rebar,concret (prtln cement type i),placing and finishng	240.33 cy	760.402 /cy	182,747	
n 4350	Strt concr,place,free-stdng wall (3000 psi),15"thick x 12'high,includs forms(4 us),grade 60 rebar,concret (prtln cement type i),placing and finishng	123.244 cy	669.602 /cy	82,525	
n 6850	Strt cnctr,place,strs (3500 psi), cast grnd,incld frms(4 us),grade 60 rebar,concr (prtln cement type i),placng and finshn,exclds safety treads	24.00 cy	1,300.00 /cy	31,200	
	<i>Concrete In Place</i>				357,236
	2,001.762 Labor hours				
	159.267 Equipment hours				
	<b>Cast-In-Place Concrete</b>				<b>357,236</b>
	2,001.762 Labor hours				
	159.267 Equipment hours				
<b>03-31-05.00</b>	<b>Normal Weight Structural Concrete</b>				
03-31-05.35	<i>Normal Weight Concrete, Ready Mix</i>				
0155	Concrete, ready mix, regular weight, slabs/mats, 3000 psi	81.187 cy	130.00 /cy	10,554	
n 0185	Concrete, ready mix, lightweight, 3000 psi, slab on deck	240.139 cy	81.25 /cy	19,511	
	<i>Normal Weight Concrete, Ready Mix</i>				30,066
03-31-05.70	<i>Placing Concrete</i>				
1400	Structural concrete, placing, elevated slab, pumped, less than 6" thick, includes strike off & consolidation, excludes material	240.139 cy	52.667 /cy	12,647	
4350	Structural concrete, placing, slab on grade, pumped, up to 6" thick, includes strike off & consolidation, excludes material	71.75 cy	56.667 /cy	4,066	
4950	Structural concrete, placing, walls, pumped, 8" thick, includes strike off & consolidation, excludes material	9.437 cy	73.334 /cy	692	

**Option B**  
**Budget Detail**

Page 7

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Placing Concrete</i>				17,405
	201.521 Labor hours				
	75.570 Equipment hours				
	<b>Normal Weight Structural Concrete</b>				<b>47,471</b>
	201.521 Labor hours				
	75.570 Equipment hours				
<b>03-35-29.00</b>	<b>Tooled Concrete Finishing</b>				
03-35-29.30	<i>Finishing Floors, Tooled</i>				
n 0250	Cfnsh,flrs,for spcf rndm accs flrs aci cls 1,2,3 and 4,achv a cmps ovrl flr fltn&lvln val f35/25,bull flt,mchn flt&stl trwl (wlk-bhn),excl plcn,strkn	4,410.00 sf	1.467 /sf		6,468
0275	Finishing elev. slabs, manual screed, bull float, machine float & trowel	14,820.00 sf	1.280 /sf		18,963
2300	Concrete finishing, floor, hardener, non-metallic, light service, 0.50 psf, add	14,820.00 sf	1.174 /sf		17,399
2350	Concrete finishing, floor, hardener, non-metallic, medium service, 0.75 psf, add	4,410.00 sf	1.404 /sf		6,192
	<i>Finishing Floors, Tooled</i>				49,022
	607.426 Labor hours				
	119.510 Equipment hours				
	<b>Tooled Concrete Finishing</b>				<b>49,022</b>
	607.426 Labor hours				
	119.510 Equipment hours				
<b>03-39-00.00</b>	<b>Concrete Curing</b>				
03-39-13.50	<i>Water Curing</i>				
0300	Curing, sprayed membrane curing compound	44.10 csf	30.365 /csf		1,339
0310	Curing, sprayed membrane curing compound, elevated decks	148.200 csf	27.343 /csf		4,052
	<i>Water Curing</i>				5,391
	43.183 Labor hours				
	<b>Concrete Curing</b>				<b>5,391</b>
	43.183 Labor hours				
	<b>03 CONCRETE</b>				<b>494,270</b>
	3,097.272 Labor hours				
	371.067 Equipment hours				
<b>04 STONE &amp; MASONRY</b>					
<b>04-05-16.00</b>	<b>Masonry Grouting</b>				
04-05-16.30	<i>Grouting</i>				
0875	Grouting, interior door frame, average 3.0 cf/opening (single & pair)	8.00 opng	78.086 /opng		625
2025	Grout, C476. interior CMU cells/cores, bond beams and lintels	837.76 cf	12.792 /cf		10,717
	<i>Grouting</i>				11,342
	96.000 Labor hours				
	24.002 Equipment hours				

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Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
	<b>Masonry Grouting</b>				<b>11,342</b>
	96.000 Labor hours				
	24.002 Equipment hours				
<b>04-05-19.00</b>	<b>Masonry Anchorage And Reinforcing</b>				
<i>04-05-19.26</i>	<i>Masonry Reinforcing Bars</i>				
0075	Reinforcing, steel bars A615, average #4 bar, interior CMU	3,080.00 lb	2.049 /lb		6,311
0275	Joint reinforcing, regular truss, to 12" wide, mill galv, interior CMU	27.72 clf	61.761 /clf		1,712
	<i>Masonry Reinforcing Bars</i>				<u>8,023</u>
	76.210 Labor hours				
	<b>Masonry Anchorage And Reinforcing</b>				<b>8,023</b>
	76.210 Labor hours				
<b>04-05-23.00</b>	<b>Masonry Accessories</b>				
<i>04-05-23.13</i>	<i>Masonry Control And Expansion Joints</i>				
0200	Control joint, average cost, interior or core CMU walls	400.00 lf	3.70 /lf		1,480
	<i>Masonry Control And Expansion Joints</i>				<u>1,480</u>
	8.00 Labor hours				
	<b>Masonry Accessories</b>				<b>1,480</b>
	8.00 Labor hours				
<b>04-22-00.00</b>	<b>Concrete Unit Masonry</b>				
<i>04-22-10.34</i>	<i>Concrete Block, Partitions</i>				
n 4250	Concrt block prttns,normal wt blocks,2000 psi,10"8"16",tooled joints both sides,incls mortar,exclds scfldn,horzntl rnfrng,verticl rnfrng and grout	2,464.00 sf	14.073 /sf		34,675
	<i>Concrete Block, Partitions</i>				<u>34,675</u>
	319.407 Labor hours				
	<b>Concrete Unit Masonry</b>				<b>34,675</b>
	319.407 Labor hours				
	<b>04 STONE &amp; MASONRY</b>				<b>55,520</b>
	499.616 Labor hours				
	24.002 Equipment hours				
<b>05 METALS</b>					
<b>03-30-00.00</b>	<b>Cast-In-Place Concrete</b>				
<i>03-30-53.40</i>	<i>Concrete In Place</i>				
6900	Concrete, metal pan stair tread, concrete, place and finish	768.00 nose	2.20 /nose		1,690
	<i>Concrete In Place</i>				<u>1,690</u>



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				Amount	
	<b>Cast-In-Place Concrete</b>				<b>1,690</b>
<b>05-12-23.00</b>	<b>Structural Steel For Buildings</b>				
05-12-23.02	Structural Steel per floor incl cols deck & joists				
----	Structural steel per floor/roof including cols, deck & joists	19,760.00	sf	25.00 /sf	494,000
	Structural Steel per floor incl cols deck & joists				<u>494,000</u>
05-12-23.20	Curb Edging				
0100	Curb edging, structural steel angle w/ anchors, on concrete forms, 3.92 plf, 2" x 2", shop fabricated	382.00	lf	18.750 /lf	7,162
	Curb Edging				<u>7,162</u>
	37.042 Labor hours				
	9.261 Equipment hours				
05-12-23.40	Lightweight Framing				
0472	Angle framing, structural steel, 2-1/2"x2-1/2"x1/4", field fabricated, incl cutting & welding	20.00	lf	38.50 /lf	770
0625	Lightweight framing, channel, field fab, avg. 8 lbs/lf	250.00	lb	6.330 /lb	1,583
	Lightweight Framing				<u>2,353</u>
	20.667 Labor hours				
	6.889 Equipment hours				
	<b>Structural Steel For Buildings</b>				<b>503,515</b>
	57.709 Labor hours				
	16.149 Equipment hours				
<b>05-35-00.00</b>	<b>Raceway Decking Assemblies</b>				
05-35-13.50	Cellular Decking				
2650	Metal decking, open, galv, 1-1/2" deep, 20 ga, to 500 squares	4,940.00	sf	3.26 /sf	16,104
5800	Metal decking, non-cellular composite, galv, 3" deep, 20 gauge	14,820.00	sf	5.296 /sf	78,487
7100	Sheet metal edge closure form, to 12", w/2 bends, 18 ga	1,228.00	lf	8.780 /lf	10,782
	Cellular Decking				<u>105,373</u>
	282.239 Labor hours				
	100.150 Equipment hours				
	<b>Raceway Decking Assemblies</b>				<b>105,373</b>
	282.239 Labor hours				
	100.150 Equipment hours				
<b>05-51-00.00</b>	<b>Metal Stairs</b>				
05-51-13.50	Pan Stairs				
0300	Stair, shop fabricated, steel, 4'-0" W, incl picket railing, stringers, metal pan treads, excl concrete for pan treads, per riser	168.00	risr	725.001 /risr	121,800
1600	Stair landing, shop fabricated, steel, pre-erected, incl framing, metal fan forms, excl concrete for pan forms	656.00	sf	135.000 /sf	88,560
----	Stair, shop fabricated, steel, 4'-0" W, incl picket railing, stringers, metal pan treads	440.00	riser	190.00 /riser	83,600
----	Lobby Stairs	300.00	riser	400.00 /riser	120,000

**Option B**  
**Budget Detail**

Page 10

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Pan Stairs</i>				413,960
	261.522 Labor hours				
	65.380 Equipment hours				
	<b>Metal Stairs</b>				<b>413,960</b>
	261.522 Labor hours				
	65.380 Equipment hours				
<b>05-52-00.00</b>	<b>Metal Railings</b>				
<i>05-52-13.50</i>	<i>Railings, Pipe</i>				
0020	Railing, pipe, aluminum, satin finish, 2 rails, 3'-6" high, posts @ ramps	52.00	If	79.00 /lf	4,108
	<i>Railings, Pipe</i>				4,108
	10.40 Labor hours				
	2.60 Equipment hours				
	<b>Metal Railings</b>				<b>4,108</b>
	10.40 Labor hours				
	2.60 Equipment hours				
<b>05-73-23.00</b>	<b>Ornamental Railings</b>				
<i>05-73-23.50</i>	<i>Railings, Ornamental</i>				
0700	Railing, ornamental, composite metal and wood or glass, 3'-6" high, posts @ 6' O.C., hand assembled, fancy	82.00	If	440.00 /lf	36,080
	<i>Railings, Ornamental</i>				36,080
	109.333 Labor hours				
	<b>Ornamental Railings</b>				<b>36,080</b>
	109.333 Labor hours				
	<b>05 METALS</b>				<b>1,064,726</b>
	721.203 Labor hours				
	184.280 Equipment hours				
<b>06 WOOD &amp; PLASTICS</b>					
<b>06-05-00.00</b>	<b>Common Work Results For Wood, Plastics, And Composites</b>				
<i>06-05-10.10</i>	<i>Misc. Wood Structure</i>				
----	Exterior Wall Assembly complete	9,920.00	sf	30.00 /sf	297,600
	<i>Misc. Wood Structure</i>				297,600
	<b>Common Work Results For Wood, Plastics, And Composites</b>				<b>297,600</b>
<b>06-05-73.00</b>	<b>Wood Treatment</b>				
<i>06-05-73.20</i>	<i>Plywood Treatment</i>				
0050	Plywood Treatment, fire retardant, 1/2" thick	4.94	msf	296.00 /msf	1,462
1000	Plywood Treatment, salt treated water borne, .25 lb wet, for certification stamp, add	4.94	msf	37.00 /msf	183

**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Plywood Treatment</i>			1,645	
	<b>Wood Treatment</b>			<b>1,645</b>	
<b>06-11-00.00</b>	<b>Wood Framing</b>				
06-11-10.02	<i>Blocking</i>				
8050	Framing, miscellaneous wood blocking/backing for sheet metal	1.128 mbf	3,907.819 /mbf	4,408	
	<i>Blocking</i>			4,408	
	48.128 Labor hours				
	<b>Wood Framing</b>			<b>4,408</b>	
	48.128 Labor hours				
<b>06-16-36.00</b>	<b>Wood Panel Product Sheathing</b>				
06-16-36.10	<i>Sheathing</i>				
0100	Sheathing, plywood on roof, CDX, 1/2" thick	4,940.00 sf	1.80 /sf	8,892	
	<i>Sheathing</i>			8,892	
	56.457 Labor hours				
	<b>Wood Panel Product Sheathing</b>			<b>8,892</b>	
	56.457 Labor hours				
	<b>06 WOOD &amp; PLASTICS</b>			<b>312,545</b>	
	104.585 Labor hours				
<b>07</b>					
<b>07-16-00.00</b>	<b>Cementitious And Reactive Waterproofing</b>				
07-16-16.20	<i>Cementitious Waterproofing</i>				
0050	Cementitious waterproofing, cementitious/metallic slurry, 1/2" thick, 4 coat, troweled	25.52 csf	610.004 /csf	15,567	
	<i>Cementitious Waterproofing</i>			15,567	
	170.133 Labor hours				
	<b>Cementitious And Reactive Waterproofing</b>			<b>15,567</b>	
	170.133 Labor hours				
<b>07-21-13.00</b>	<b>Board Insulation</b>				
07-21-13.13	<i>Foam Board Insulation</i>				
0700	Foam board insulation, polystyrene, expanded, 2" thick, R8 SOG	9,880.00 sf	1.610 /sf	15,907	
0700	Foam board insulation, polystyrene, expanded, 2" thick, R8 foundations walls	2,618.00 sf	1.610 /sf	4,215	
	<i>Foam Board Insulation</i>			20,122	
	148.125 Labor hours				
	<b>Board Insulation</b>			<b>20,122</b>	
	148.125 Labor hours				
<b>07-21-16.00</b>	<b>Blanket Insulation</b>				

**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
07-21-16.20	<i>Blanket Insulation For Walls</i>				
0820	Blanket insulation, for walls or ceilings, unfaced fiberglass, 3-1/2" thick, R13, 15" wide Sound insulation	11,250.00 sf	1.303 /sf		14,654
	<i>Blanket Insulation For Walls</i>				<u>14,654</u>
	95.238 Labor hours				
	<b>Blanket Insulation</b>				<b>14,654</b>
	95.238 Labor hours				
<b>07-22-00.00</b>	<b>Roof And Deck Insulation</b>				
07-22-16.10	<i>Roof Deck Insulation</i>				
1755	Roof deck insulation, polyisocyanurate, 3-1/2" thick, 2#/CF density, fastening excluded	7,410.00 sf	3.465 /sf		25,676
1765	Roof deck insulation, polyisocyanurate, tapered for drainage, fastening excluded	9,880.00 bf	1.596 /bf		15,765
	<i>Roof Deck Insulation</i>				<u>41,441</u>
	118.704 Labor hours				
	<b>Roof And Deck Insulation</b>				<b>41,441</b>
	118.704 Labor hours				
<b>07-26-00.00</b>	<b>Vapor Retarders</b>				
07-26-10.10	<i>Vapor Retarders</i>				
0400	Vapor Retarders, building paper, asphalt felt sheathing paper, 15#	49.40 sq	23.00 /sq		1,136
	<i>Vapor Retarders</i>				<u>1,136</u>
	10.681 Labor hours				
	<b>Vapor Retarders</b>				<b>1,136</b>
	10.681 Labor hours				
<b>07-54-23.00</b>	<b>Thermoplastic-Polyolefin Roofing</b>				
07-54-23.10	<i>Thermoplastic Polyolefin Roofing (T.P.O.)</i>				
0200	Thermoplastic-polyolefin roofing (TPO), 60 mils, heat welded seams, fully adhered	49.60 sq	268.384 /sq		13,312
	<i>Thermoplastic Polyolefin Roofing (T.P.O.)</i>				<u>13,312</u>
	105.813 Labor hours				
	21.163 Equipment hours				
	<b>Thermoplastic-Polyolefin Roofing</b>				<b>13,312</b>
	105.813 Labor hours				
	21.163 Equipment hours				
<b>07-57-00.00</b>	<b>Coated Foamed Roofing</b>				
07-57-13.10	<i>Sprayed Polyurethane Foam Roofing (S.P.F.)</i>				
2500	Roof walkway, elastomeric, add	500.00 sf	3.368 /sf		1,684
	<i>Sprayed Polyurethane Foam Roofing (S.P.F.)</i>				<u>1,684</u>
	29.627 Labor hours				
	9.873 Equipment hours				

**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
					Amount
	<b>Coated Foamed Roofing</b>				<b>1,684</b>
	29.627 Labor hours				
	9.873 Equipment hours				
<b>07-65-00.00</b>	<b>Flexible Flashing</b>				
<i>07-65-10.10</i>	<i>Sheet Metal Flashing And Counter Flashing</i>				
n 0005	Flashing, galvanized steel, .018", 26 ga.	150.00	sf	3.982 /sf	597
	<i>Sheet Metal Flashing And Counter Flashing</i>				597
	11.034 Labor hours				
	<b>Flexible Flashing</b>				<b>597</b>
	11.034 Labor hours				
<b>07-71-19.00</b>	<b>Manufactured Gravel Stops And Fasciae</b>				
<i>07-71-19.10</i>	<i>Gravel Stop</i>				
1360	Gravel stop, galvanized steel, plain, with continuous cleat, 4" leg, 6" face height, 24 gauge	282.00	lf	16.073 /lf	4,533
	<i>Gravel Stop</i>				4,533
	20.745 Labor hours				
	<b>Manufactured Gravel Stops And Fasciae</b>				<b>4,533</b>
	20.745 Labor hours				
<b>07-71-26.00</b>	<b>Reglets</b>				
<i>07-71-26.10</i>	<i>Reglets And Accessories</i>				
0400	Reglet, galvanized steel, in concrete parapet, 24 gauge	64.00	lf	6.341 /lf	406
1300	Reglet, counter flashing for galvanized steel, 26 ga., 12 wide	64.00	lf	9.418 /lf	603
	<i>Reglets And Accessories</i>				1,009
	7.585 Labor hours				
	<b>Reglets</b>				<b>1,009</b>
	7.585 Labor hours				
<b>07-71-29.00</b>	<b>Manufactured Roof Expansion Joints</b>				
<i>07-71-29.10</i>	<i>Expansion Joints</i>				
2500	Expansion joint, roof to wall joint with extruded aluminum cover	64.00	lf	48.80 /lf	3,123
	<i>Expansion Joints</i>				3,123
	5.936 Labor hours				
	<b>Manufactured Roof Expansion Joints</b>				<b>3,123</b>
	5.936 Labor hours				
<b>07-72-33.00</b>	<b>Roof Hatches</b>				
<i>07-72-33.10</i>	<i>Roof Hatch Options</i>				
0900	Roof hatch, with curb, 1" fiberglass insulation, galvanized steel curb & cover, 2'-6" x 4'-6"	1.00	ea	1,630.00 /ea	1,630

**Option B**  
**Budget Detail**

**Page 14**

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Roof Hatch Options</i>				1,630
	4.741 Labor hours				
	<b>Roof Hatches</b>				<b>1,630</b>
	4.741 Labor hours				
<b>07</b>					<b>118,808</b>
	728.363 Labor hours				
	31.036 Equipment hours				

**08 DOORS & WINDOWS**

**08-05-00.00 Common Work Results For Openings**

<i>08-05-05.30 Doors Complete</i>					
0200 Interior door/frame/hardware (wd or hm) complete	18.00	leaf	2,500.00 /leaf		45,000
0250 Exterior door/frame/hardware (wd or hm) complete	3.00	leaf	2,800.00 /leaf		8,400
<i>Doors Complete</i>					<i>53,400</i>
<i>08-05-05.40 Windows</i>					
100 Aluminum windows (Glass Connection Quote AMWS)	528.00	sf	135.00 /sf		71,280
---- Hollow Metal window interior	200.00	sf	50.00 /sf		10,000
---- Hollow Metal window interior	192.00	sf	50.00 /sf		9,600
<i>Windows</i>					<i>90,880</i>
<b>Common Work Results For Openings</b>					<b>144,280</b>

**08-13-16.00 Aluminum Doors**

<i>08-13-16.10 Commercial Aluminum Doors</i>					
n 2100 Doors,aluminum,commercial entrance,medium stile,standard hardware,single,3'-0"x7'-0"hinges,push/pull,deadlock,cylinder,threshold, door & frame w/ transom complete	6.00	ea	3,833.002 /ea		22,998
<i>Commercial Aluminum Doors</i>					<i>22,998</i>
32.000 Labor hours					
<b>Aluminum Doors</b>					<b>22,998</b>
32.000 Labor hours					

**08-31-13.00 Access Doors And Frames**

<i>08-31-13.10 Types Of Framed Access Doors</i>					
---- Access doors ALLOWANCE	1.00	ls	1,000.00 /ls		1,000
<i>Types Of Framed Access Doors</i>					<i>1,000</i>
<b>Access Doors And Frames</b>					<b>1,000</b>

**08-44-00.00 Curtain Wall And Glazed Assemblies**

<i>08-44-13.10 Glazed Curtain Walls</i>					
0050 Curtain wall, aluminum,	3,019.00	sf	90.00 /sf		271,710

**Option B**  
**Budget Detail**

Page 15

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Glazed Curtain Walls</i>				271,710
	<b>Curtain Wall And Glazed Assemblies</b>				<b>271,710</b>
	<b>08 DOORS &amp; WINDOWS</b>				<b>439,988</b>
	32.000 Labor hours				

**09 FINISHES**

<b>09-22-16.00</b>	<b>Non-Structural Metal Framing</b>				
09-22-16.13	<i>Non-Structural Metal Stud Framing</i>				
2800	Metal stud partition, non-load bearing, galvanized, 10' high, 3-5/8" wide, 20 gauge, 16" O.C., includes top & bottom track	11,250.00	sf	3.767 /sf	42,384
4010	Framing, 2x6 fire treated blocking/backing in metal stud partitions	2.25	mbf	3,156.22 /mbf	7,102
6035	Studs, drive pins & studs, 1/4" & 3/8" diameter	3.75	c	4.80 /c	18
7450	Pack void between top track and flutes and seal both sides	775.00	lf	3.306 /lf	2,562
7500	Track gasketing, neoprene closed cell, 1/4" x 3/4"	1,150.00	lf	4.579 /lf	5,266
	<i>Non-Structural Metal Stud Framing</i>				57,332
	519.011 Labor hours				

<b>Non-Structural Metal Framing</b>	<b>57,332</b>
519.011 Labor hours	

<b>09-28-00.00</b>	<b>Backing Boards And Underlayments</b>				
09-28-13.10	<i>Cementitious Backerboard</i>				
0160	Cementitious backerboard, on wall, 3' x 5' x 1/2" sheet	8.00	sf	6.27 /sf	50
	<i>Cementitious Backerboard</i>				50
	0.522 Labor hours				
	<b>Backing Boards And Underlayments</b>				<b>50</b>
	0.522 Labor hours				

<b>09-29-00.00</b>	<b>Gypsum Board</b>				
09-29-10.30	<i>Gypsum Board</i>				
2250	Gypsum wallboard, on walls, water resistant, taped & finished (level 4 finish), 5/8" thick	22,500.00	sf	2.517 /sf	56,623
5500	Gypsum wallboard, for acoustical sealant, add per bead	1,125.00	lf	1.957 /lf	2,202
7000	Stock and scrap - gypsum board, walls	60.00	mh	30.25 /mh	1,815
	<i>Gypsum Board</i>				60,640
	618.651 Labor hours				
	<b>Gypsum Board</b>				<b>60,640</b>
	618.651 Labor hours				

<b>09-30-13.00</b>	<b>Ceramic Tiling</b>				
09-30-13.10	<i>Ceramic Tile</i>				
1000	Ceramic tile, cove base, thin set, 6" x 4-1/4" h	160.00	lf	13.648 /lf	2,184

**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
09-30-13.10	<i>Ceramic Tile</i>				
4300	Ceramic tile, for floors, specialty type, decorator finish, 4-1/4" x 4-1/4"x 1/2"	320.00 sf	20.679 /sf		6,617
4650	For epoxy grout, 1/16" joints, 4-1/4" tile or >, floors, add	320.00 sf	1.975 /sf		632
5400	Ceramic tile, walls, interior, thin set, 4-1/4" x 4-1/4"	800.00 sf	8.873 /sf		7,099
	<i>Ceramic Tile</i>				16,531
	150.541 Labor hours				
	<b>Ceramic Tiling</b>				<b>16,531</b>
	150.541 Labor hours				
09-51-23.00	<b>Acoustical Tile Ceilings</b>				
09-51-23.30	<i>Suspended Ceilings, Complete</i>				
0820	Complete suspended ceilings, mineral fiber, Tegular, 2' x 2' x 5/8", on 9/16" grid, include standard suspension system, excl. 1-1/2" carrier channels	13,646.00 sf	11.270 /sf		153,790
	<i>Suspended Ceilings, Complete</i>				153,790
	524.006 Labor hours				
	<b>Acoustical Tile Ceilings</b>				<b>153,790</b>
	524.006 Labor hours				
09-53-00.00	<b>Acoustical Ceiling Suspension Assemblies</b>				
09-53-23.30	<i>Ceiling Suspension Systems</i>				
0600	Carrier channels, 1-1/2", for 4' O.C., add	13,193.00 sf	1.668 /sf		22,006
	<i>Ceiling Suspension Systems</i>				22,006
	224.562 Labor hours				
	<b>Acoustical Ceiling Suspension Assemblies</b>				<b>22,006</b>
	224.562 Labor hours				
09-65-13.00	<b>Resilient Base And Accessories</b>				
09-65-13.13	<i>Resilient Base</i>				
1100	Wall base, rubber, straight or cove, standard colors, 4" high, 1/8" thick	2,437.00 lf	4.433 /lf		10,804
	<i>Resilient Base</i>				10,804
	71.176 Labor hours				
09-65-13.23	<i>Resilient Stair Treads And Risers</i>				
0900	Stair treads & risers, rubber, grip strip safety tread, colors, 5/16" thick	580.00 lf	30.000 /lf		17,400
1300	Stair treads & risers, landings, smooth sheet rubber, 3/16" thick	686.00 sf	12.86 /sf		8,822
1800	Stair treads & risers, risers, flat, 7" h, 1/8" thick	580.00 lf	14.95 /lf		8,671
	<i>Resilient Stair Treads And Risers</i>				34,893
	104.641 Labor hours				
	<b>Resilient Base And Accessories</b>				<b>45,697</b>
	175.817 Labor hours				
09-68-13.00	<b>Tile Carpeting</b>				



**Option B**  
**Budget Detail**

Page 17

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
09-68-13.10	<i>Carpet Tile</i>				
0210	Carpet tile, tufted nylon, cushion back, 26 oz., 18" x 18"	2,197.220 sy	54.52 /sy	119,792	
	<i>Carpet Tile</i>				119,792
	263.666 Labor hours				
	<b>Tile Carpeting</b>				<b>119,792</b>
	263.666 Labor hours				
<b>09-91-13.00</b>	<b>Exterior Painting</b>				
09-91-13.62	<i>Siding, Misc.</i>				
0570	Paints & coatings, siding, misc., smooth wood (butt, T&G, beveled, drop, or B&B siding), primer + 2 coats, exterior latex, spray	10,520.00 sf	1.456 /sf	15,321	
	<i>Siding, Misc.</i>				15,321
	115.090 Labor hours				
	<b>Exterior Painting</b>				<b>15,321</b>
	115.090 Labor hours				
<b>09-91-23.00</b>	<b>Interior Painting</b>				
09-91-23.35	<i>Doors &amp; Windows, Interior Latex</i>				
0130	Paints & coatings, interior latex, doors, flush, both sides, roll & brush, primer + 1 coat, incl. frame & trim	15.00 ea	132.008 /ea	1,980	
0140	Paints & coatings, interior latex, doors, flush, both sides, roll & brush, primer + 2 coats, incl. frame & trim	42.00 ea	160.535 /ea	6,742	
0560	Paints & coatings, interior latex, windows, per interior side, 7-10 lite, brushwork, primer + 1 coat, enamel, based on 15 SF	36.00 ea	109.491 /ea	3,942	
	<i>Doors &amp; Windows, Interior Latex</i>				12,664
	170.831 Labor hours				
09-91-23.52	<i>Miscellaneous, Interior</i>				
7450	Paints & coatings, miscellaneous interior, trim, wood, paint 3 coats, oil base, brushwork, under 6" wide	4,560.00 lf	2.657 /lf	12,117	
n 9400	Avg cost, paint steel stairs/railings, per flight (landing to landing)	72.00 flt	431.154 /flt	31,043	
	<i>Miscellaneous, Interior</i>				43,160
	934.627 Labor hours				
09-91-23.72	<i>Walls And Ceilings, Interior</i>				
n 0850	Paint concrete, plaster or drywall, ceilings, 2 coats, roller	8,392.00 sf	0.739 /sf	6,202	
n 0890	Paint concrete, plaster or drywall, ceilings, 2 coats, spray	13,500.00 sf	0.301 /sf	4,069	
1240	Paints & coatings, walls & ceilings, interior, concrete, drywall or plaster, latex paint, 3 coats, smooth finish, roller	57,840.00 sf	1.784 /sf	103,172	
	<i>Walls And Ceilings, Interior</i>				113,443
	1,216.789 Labor hours				

**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<b>Interior Painting</b>				<b>169,268</b>
	2,322.247 Labor hours				
	<b>09 FINISHES</b>				<b>660,426</b>
	4,914.114 Labor hours				
<b>10 BUILDING SPECIALTIES</b>					
<b>10-28-00.00</b>	<b>Toilet, Bath, And Laundry Accessories</b>				
10-28-13.13	<i>Commercial Toilet Accessories</i>				
1000	Toilet accessories, grab bars, straight, stainless steel, 30" long	5.00 ea	67.00 /ea		335
1100	Toilet accessories, grab bars, straight, stainless steel, 36" long	5.00 ea	54.50 /ea		273
3000	Toilet accessories, mirror, 18" x 24", with stainless steel 3/4" square frame	5.00 ea	81.00 /ea		405
4100	Toilet accessories, mop holder strip, stainless steel, 5 holders, 48" long	4.00 ea	120.00 /ea		480
4600	Toilet accessories, soap dispenser, chrome, surface mounted, liquid	5.00 ea	91.00 /ea		455
6200	Toilet accessories, toilet tissue dispenser, stainless steel, surface mounted, double roll	5.00 ea	136.00 /ea		680
6700	Toilet accessories, towel dispenser, stainless steel, surface mounted	5.00 ea	116.00 /ea		580
8000	Toilet accessories, waste receptacle, stainless steel, w/top, 13 gallon	5.00 ea	440.00 /ea		2,200
	<i>Commercial Toilet Accessories</i>				<b>5,408</b>
	17.585 Labor hours				
	<b>Toilet, Bath, And Laundry Accessories</b>				<b>5,408</b>
	17.585 Labor hours				
<b>10-44-00.00</b>	<b>Fire Protection Specialties</b>				
10-44-13.53	<i>Fire Equipment Cabinets</i>				
1100	Fire equipment cabinets, portable extinguisher, single, steel box, recessed, d.s. glass door, steel door & frame, 8" x 12" x 27", excludes equipment	12.00 ea	286.00 /ea		3,432
	<i>Fire Equipment Cabinets</i>				<b>3,432</b>
	24.00 Labor hours				
	<b>Fire Protection Specialties</b>				<b>3,432</b>
	24.00 Labor hours				
<b>10-44-16.00</b>	<b>Fire Extinguishers</b>				
10-44-16.13	<i>Portable Fire Extinguishers</i>				
0140	Fire extinguishers, CO2, portable, with hose & "H" horn, 10 lb	12.00 ea	365.00 /ea		4,380
	<i>Portable Fire Extinguishers</i>				<b>4,380</b>
	<b>Fire Extinguishers</b>				<b>4,380</b>
<b>10-73-16.00</b>	<b>Canopies</b>				
10-73-16.20	<i>Metal Canopies</i>				
----	Entrance Canopies	384.00 sf	70.00 /sf		26,880

**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
					Amount
	<i>Metal Canopies</i>				26,880
	<b>Canopies</b>				<b>26,880</b>
	<b>10 BUILDING SPECIALTIES</b>				<b>40,100</b>
	41.585 Labor hours				

**12 FURNISHINGS**

<b>12-35-00.00</b>	<b>Specialty Casework</b>				
12-35-50.13	<i>Educational Casework</i>				
----	Casework (kitch, circ, fixt @ atrium rail)	112.00	lf	650.00 /lf	72,800
	<i>Educational Casework</i>				72,800
	<b>Specialty Casework</b>				<b>72,800</b>
	<b>12 FURNISHINGS</b>				<b>72,800</b>

**14 VERTICAL TRANSPORTATION**

<b>14-24-23.00</b>	<b>Hydraulic Passenger Elevators</b>				
14-24-23.10	<i>Hydraulic Passenger Elevators And Options</i>				
----	New Hydraulic Passenger Elevator (Schindler Budget 4/22)	1.00	ls	350,000.00 /ls	350,000
	<i>Hydraulic Passenger Elevators And Options</i>				350,000
	<b>Hydraulic Passenger Elevators</b>				<b>350,000</b>
	<b>14 VERTICAL TRANSPORTATION</b>				<b>350,000</b>

**21 FIRE SUPPRESSION**

<b>21-05-00.00</b>	<b>Common Work Results For Fire Suppression</b>				
21-05-23.25	<i>Sprinkler System</i>				
0100	Sprinkler System budget	20,625.00	sf	8.00 /sf	165,000
0100	Sprinkler System budget	8,192.00	sf	3.00 /sf	24,576
	<i>Sprinkler System</i>				189,576
	<b>Common Work Results For Fire Suppression</b>				<b>189,576</b>
	<b>21 FIRE SUPPRESSION</b>				<b>189,576</b>

**22 PLUMBING**

<b>22-05-00.00</b>	<b>Common Work Results For Plumbing</b>				
22-05-05.20	<i>Plumbing System Costs</i>				
0200	Plumbing System Budget	20,625.00	sf	14.00 /sf	288,750
0200	Plumbing System Budget	8,192.00	sf	11.00 /sf	90,112

**Option B**  
**Budget Detail**

Page 20

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Plumbing System Costs</i>				378,862
	<b>Common Work Results For Plumbing</b>				<b>378,862</b>
	<b>22 PLUMBING</b>				<b>378,862</b>
<b>23 HVAC</b>					
<b>23-05-00.00</b>	<b>Common Work Results For HVAC</b>				
<i>23-05-00.10 HVAC Systems Cost</i>					
0200	HVAC System Budget	20,625.00	sf	85.00 /sf	1,753,125
0200	HVAC System Budget	8,192.00	sf	75.00 /sf	614,400
	<i>HVAC Systems Cost</i>				2,367,525
	<b>Common Work Results For HVAC</b>				<b>2,367,525</b>
	<b>23 HVAC</b>				<b>2,367,525</b>
<b>26 ELECTRICAL</b>					
<b>26-05-00.00</b>	<b>Common Work Results For Electrical</b>				
<i>26-05-00.10 Electrical Systems Cost</i>					
0100	Electrical System Budget	28,817.00	sf	40.00 /sf	1,152,680
	<i>Electrical Systems Cost</i>				1,152,680
	<b>Common Work Results For Electrical</b>				<b>1,152,680</b>
	<b>26 ELECTRICAL</b>				<b>1,152,680</b>
<b>31 EARTHWORK</b>					
<b>01-54-36.00</b>	<b>Equipment Mobilization</b>				
<i>01-54-36.50 Mobilization</i>					
0020	Mobilization or demobilization, dozer, loader, backhoe or excavator, 70 H.P. to 150 H.P., up to 50 miles	20.00	ea	351.429 /ea	7,029
	<i>Mobilization</i>				7,029
	57.143 Labor hours				
	114.286 Equipment hours				
	<b>Equipment Mobilization</b>				<b>7,029</b>
	57.143 Labor hours				
	114.286 Equipment hours				
<b>31-05-00.00</b>	<b>Common Work Results For Earthwork</b>				
<i>31-05-16.10 Borrow</i>					
0600	Aggregate for earthwork, select structural fill, spread with 200 H.P. dozer, includes load at pit and haul, 2 miles round trip, excludes compaction	1,148.148	lcy	30.911 /lcy	35,490

**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Borrow</i>				35,490
	76.543 Labor hours				
	65.609 Equipment hours				
	<b>Common Work Results For Earthwork</b>				<b>35,490</b>
	76.543 Labor hours				
	65.609 Equipment hours				
<b>31-22-00.00</b>	<b>Grading</b>				
31-22-16.10	<i>Finish Grading</i>				
0100	Fine grading, for roadway, base or leveling course, large area, 6,000 S.Y. or more	185.556 sy	1.500 /sy		278
1100	Fine grading, fine grade for slab on grade, machine	490.00 sy	2.693 /sy		1,320
	<i>Finish Grading</i>				1,598
	12.172 Labor hours				
	6.086 Equipment hours				
	<b>Grading</b>				<b>1,598</b>
	12.172 Labor hours				
	6.086 Equipment hours				
<b>31-23-16.00</b>	<b>Excavation</b>				
31-23-16.13	<i>Excavating, Trench</i>				
0050	Excavating, trench or continuous footing, common earth, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering	10.444 bcy	15.428 /bcy		161
	<i>Excavating, Trench</i>				161
	1.591 Labor hours				
	0.796 Equipment hours				
31-23-16.16	<i>Structural Excavation For Minor Structures</i>				
n 6035	Strt excvt for minor strtr,bank measr,for sprd and mat ftngs,elvtr pits,and small bldng fndtns,common earth,3/4 cy bucket,machin excvtn,hydlrc backhoe	31.481 bcy	33.333 /bcy		1,049
	<i>Structural Excavation For Minor Structures</i>				1,049
	7.462 Labor hours				
	3.731 Equipment hours				
31-23-16.42	<i>Excavating, Bulk Bank Measure</i>				
0250	Excavating, bulk bank measure, 1-1/2 C.Y. capacity = 125 C.Y./hr, backhoe, hydraulic, crawler mounted, excluding truck loading	3,000.00 bcy	3.414 /bcy		10,243
	<i>Excavating, Bulk Bank Measure</i>				10,243
	68.571 Labor hours				
	34.286 Equipment hours				
	<b>Excavation</b>				<b>11,453</b>
	77.625 Labor hours				
	38.813 Equipment hours				
<b>31-23-23.00</b>	<b>Fill</b>				
31-23-23.13	<i>Backfill</i>				

**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
31-23-23.13	<i>Backfill</i>				
1600	Backfill, bulk, 6" to 12" lifts, dozer backfilling, compaction with vibrating roller	1,148.148	ecy	5.729 /ecy	6,577
2000	Backfill, trench, air tamped compaction, add <i>Backfill</i>	1.741	ecy	30.71 /ecy	53
					6,631
	25.101 Labor hours				
	33.799 Equipment hours				
31-23-23.16	<i>Fill By Borrow And Utility Bedding</i>				
0101	Bedding, crushed stone 3/4" to 1/2"	6.653	lcy	42.48 /lcy	283
0740	Filter fabric, polypropylene, laid in trench	104.444	sy	1.553 /sy	162
	<i>Fill By Borrow And Utility Bedding</i>				445
	2.565 Labor hours				
	0.507 Equipment hours				
31-23-23.17	<i>General Fill</i>				
0800	Fill, gravel fill, compacted, under floor slabs, 12" deep	4,960.00	sf	2.134 /sf	10,585
	<i>General Fill</i>				10,585
	56.686 Labor hours				
	9.447 Equipment hours				
31-23-23.18	<i>Hauling</i>				
0150	Hauling, excavated or borrow material, loose cubic yards, 3 mile round trip, 2.1 loads/hour, 6 C.Y. dump truck, highway haulers, excludes loading	8.704	lcy	11.265 /lcy	98
0400	Hauling, excavated or borrow material, loose cubic yards, 1 mile round trip, 2.2 loads/hour, 12 C.Y. truck, highway haulers, excludes loading	31.481	lcy	6.463 /lcy	203
0550	Hauling, excavated borrow material, loose cubic yards, 10 mile round trip, 6 loads/hr, base wide rate, 12 cy truck, highway haulers, excludes loading	3,000.00	lcy	18.638 /lcy	55,914
	<i>Hauling</i>				56,215
	594.237 Labor hours				
	607.078 Equipment hours				
	<b>Fill</b>				73,875
	678.589 Labor hours				
	650.832 Equipment hours				
	<b>31 EARTHWORK</b>				129,445
	902.072 Labor hours				
	875.624 Equipment hours				

**32 EXTERIOR IMPROVEMENTS**

**32-06-00.00 Schedules For Exterior Improvements**

32-06-10.10	<i>Sidewalks, Driveways And Patios</i>				
0350	Sidewalks, driveways, and patios, sidewalk, concrete, cast-in-place with 6 x 6 - W1.4 x W1.4 mesh, broomed finish, 3000 psi, 5" thick, excludes base	1,670.00	sf	8.688 /sf	14,509
0520	Sidewalks, driveways, and patios, sidewalks, concrete, excludes base, for 8" thick bank run gravel base, add	1,670.00	sf	3.011 /sf	5,028

**Option B**  
**Budget Detail**

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
32-06-10.10	<i>Sidewalks, Driveways And Patios</i>				
0600	Sidewalks, driveways, and patios, sidewalks, concrete, for exposed aggregate finish, excludes base, add to above, maximum	1,670.00 sf	6.087 /sf		10,166
	<i>Sidewalks, Driveways And Patios</i>				29,703
	266.685 Labor hours				
	11.929 Equipment hours				
	<b>Schedules For Exterior Improvements</b>				<b>29,703</b>
	266.685 Labor hours				
	11.929 Equipment hours				
<b>32-40-00.00</b>	<b>Landscaping</b>				
32-40-10.00	<i>Landscape Allowances</i>				
----	Park bench ALLOWance	20.00 lf	400.00 /lf		8,000
----	Planter ALLOWance	64.00 lf	30.00 /lf		1,920
	<i>Landscape Allowances</i>				9,920
	<b>Landscaping</b>				<b>9,920</b>
<b>32-91-19.00</b>	<b>Landscape Grading</b>				
32-91-19.13	<i>Topsoil Placement And Grading</i>				
0500	Topsoil placement and grading, loam or topsoil, up to 200' radius, remove and stockpile on site, spread from pile to rough finish grade, by hand	32.00 cy	117.00 /cy		3,744
	<i>Topsoil Placement And Grading</i>				3,744
	54.857 Labor hours				
	<b>Landscape Grading</b>				<b>3,744</b>
	54.857 Labor hours				
<b>32-92-00.00</b>	<b>Turf And Grasses</b>				
32-92-19.13	<i>Mechanical Seeding</i>				
0310	Seeding, mechanical seeding, fine grading and seeding, with equipment, includes lime, fertilizer & seed	400.00 sy	4.280 /sy		1,712
	<i>Mechanical Seeding</i>				1,712
	19.20 Labor hours				
	3.20 Equipment hours				
	<b>Turf And Grasses</b>				<b>1,712</b>
	19.20 Labor hours				
	3.20 Equipment hours				
	<b>32 EXTERIOR IMPROVEMENTS</b>				<b>45,079</b>
	340.742 Labor hours				
	15.129 Equipment hours				

**33 UTILITIES**

<b>33-05-00.00</b>	<b>Common Work Results For Utilities</b>				
33-05-05.10	<i>Utility System Allowances</i>				
----	Utility relocation Allowance	1.00 ls	50,000.00 /ls		50,000

Option B  
Budget Detail

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	Utility System Allowances			50,000	
	Common Work Results For Utilities			50,000	
33-46-16.00	Subdrainage Piping				
33-46-16.50	Piping, Subdrainage, PVC				
n	0020 6" PVC perforated pipe, subdrainage system/foundation drain	282.00	lf 11.872 /lf	3,348	
	Piping, Subdrainage, PVC			3,348	
	64.457 Labor hours				
	15.309 Equipment hours				
	Subdrainage Piping			3,348	
	64.457 Labor hours				
	15.309 Equipment hours				
	33 UTILITIES			53,348	
	64.457 Labor hours				
	15.309 Equipment hours				



Estimate Totals

Description	Amount	Totals	Rate
Labor	919,955		
Material	1,353,906		
Subcontract	5,669,133		
Equipment	210,118		
Other			
	<u>8,153,112</u>	<u>8,153,112</u>	
Prime Contractor's G.C.'s	978,373		12.000 %
	<u>978,373</u>	<u>9,131,485</u>	
Prime Contractor's Fee	547,889		6.000 %
	<u>547,889</u>	<u>9,679,374</u>	
Design/Trade Contingency	1,451,906		15.000 %
	<u>1,451,906</u>	<u>11,131,280</u>	
Bonds and Insurance	105,060		0.850 %
	<u>105,060</u>	<u>11,236,340</u>	
Escalation	1,123,634		10.000 %
	<u>1,123,634</u>	<u>12,359,974</u>	
<b>Total</b>		<b>12,359,974</b>	

