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SAMPLE HIGH-RISE TOWER

Brickell Avenue * Miami, Florida

WBS	Major	Minor	ITEM DESCRIPTIONS	QNTY	UNIT MSR	UNIT \$ MATERIAL	PRODUCTIVITY	UNIT/ TIME	CREW	ADJ. \$ HOURLY	UNIT \$ LABOR	UNIT \$ EQUIP	UNIT \$ SUB-CON	UNIT \$ OTHER	TOTAL MATERIAL	TOTAL... MANHOURS	TOTAL LABOR	TOTAL EQUIPMENT	TOTAL SUB-CON	TOTAL	OTHER TOTAL	TOTAL COST*	UNIT PRICE	TOTAL AMOUNT	
1			GENERAL REQUIREMENTS	1.00	LSUM																				
			INSURANCE																						
			general liability	1.00	lsum									400,000.00							428,000.00	428,000.00	505,920.23	505,920.23	
			builders risk insurance @	1.00	nic																				
			SUBTOTAL AMOUNT																		428,000.00	428,000.00		505,920.23	
			ALLOWANCES																						
			labor overtime allowance	1.00	job																				
			pump labor overtime allowance	1.00	job							75,000.00									76,500.00	76,500.00	90,427.33	90,427.33	
			door buck framing	1.00	job							195,000.00									198,900.00	198,900.00	235,111.06	235,111.06	
			job contingency	1.00	job									50,000.00							53,500.00	53,500.00	63,240.03	63,240.03	
			SUBTOTAL AMOUNT																		275,400.00	53,500.00	328,900.00	388,778.42	
			PROFESSIONAL CONSULTANTS																						
			cost estimating service	1.00	job								15,000.00								15,300.00	15,300.00	18,085.47	18,085.47	
			engineering (shoring)	1.00	job								50,000.00								51,000.00	51,000.00	60,284.89	60,284.89	
			SUBTOTAL AMOUNT																		66,300.00	66,300.00		78,370.35	
			SURVEY & LAYOUT																						
			survey & layout crew	1.00	job							475,000.00									484,500.00	484,500.00	572,706.43	572,706.43	
			tapes, paint, pins & etc...	1.00	job	2,500.00									2,675.00						2,675.00	3,162.00	3,162.00		
			non-certified as-built drawings (red-line only)	1.00	inc																				
			SUBTOTAL AMOUNT												2,675.00						484,500.00	487,175.00		575,868.43	
			PROJECT MANAGER																						
			project manager	64.50	week		1.000	Week		1,600.00	1,600.00					64.500	131,064.00					131,064.00	2,401.94	154,925.07	
			SUBTOTAL AMOUNT													64.500	131,064.00					131,064.00		154,925.07	
			SUPERVISION & FIELD STAFF																						
			project superintendent	65.00	week		1.000	Weekly		1,800.00	1,800.00					65.000	148,590.00					148,590.00	2,702.18	175,641.79	
			assistant superintendent	65.00	week		1.000	Weekly		1,400.00	1,400.00					65.000	115,570.00					115,570.00	2,101.70	136,610.28	
			project engineer	65.00	week		1.000	Weekly		800.00	800.00					65.000	66,040.00					66,040.00	1,200.97	78,063.02	
			operating engineers	65.00	week		40.000	MH/U		35.00	1,400.00					2600.000	115,570.00					115,570.00	2,101.70	136,610.28	
			field clerk	65.00	week		1.000	Weekly		600.00	600.00					65.000	49,530.00					49,530.00	900.73	58,547.26	
			utility truck driver	65.00	week		40.000	MH/U		15.00	600.00					2600.000	49,530.00					49,530.00	900.73	58,547.26	
			SUBTOTAL AMOUNT													5460.000	544,830.00					544,830.00		644,019.90	
			COMMUNICATIONS																						
			cell phones	15.00	mnth									2,500.00								40,125.00	40,125.00	3,162.00	47,430.02
			job phones	15.00	mnth									300.00								4,815.00	4,815.00	379.44	5,691.60
			radios	1.00	job									35,000.00								37,450.00	37,450.00	44,268.02	44,268.02
			SUBTOTAL AMOUNT																			82,390.00	82,390.00		97,389.64
			TRAINING AND OSHSA																						
			training	15.00	mnth		24.000	MH/U			600.00					360.000	11,430.00					11,430.00	900.73	13,510.91	
			monthly safety meetings (time only)	15.00	mnth		7.500	MH/U			187.50					112.500	3,571.88					3,571.88	281.48	4,222.16	
			SUBTOTAL AMOUNT													472.500	15,001.88					15,001.88		17,733.07	
			PHOTOS																						
			project photo documentation	15.00	mnth								100.00									1,530.00	1,530.00	120.57	1,808.55
			SUBTOTAL AMOUNT																			1,530.00	1,530.00		1,808.55
			TRAVEL																						
			travel expense (superintendent fuel)	15.00	mnth							2,500.00						40,125.00					40,125.00	3,162.00	47,430.02
			parking expenses	1.00	job									7,500.00								8,025.00	8,025.00	9,486.00	9,486.00
			SUBMITTALS																						
			shop drawing	1.00	lsum									2,500.00								2,675.00	2,675.00	3,162.00	3,162.00
			additional blueprints and copies	1.00	lsum									5,000.00								5,350.00	5,350.00	6,324.00	6,324.00
			SUBTOTAL AMOUNT																			8,025.00	8,025.00		9,486.00

SAMPLE HIGH-RISE TOWER

Brickell Avenue * Miami, Florida

WBS	Major	Minor	ITEM DESCRIPTIONS	QNTY	UNIT MSR	UNIT \$ MATERIAL	PRODUCTIVITY	UNIT/ TIME	CREW	ADJ. \$ HOURLY	UNIT \$ LABOR	UNIT \$ EQUIP	UNIT \$ SUB-CON	UNIT \$ OTHER	TOTAL MATERIAL	TOTAL... MANHOURS	TOTAL LABOR	TOTAL EQUIPMENT	TOTAL SUB-CON	TOTAL OTHER TOTAL	COST*	UNIT PRICE	TOTAL AMOUNT
			PERMITS & FEES																				
			permits and fees by contractor	1.00	n/a																		
			dump fees	10.00	load							450.00							4,590.00		4,590.00	542.56	5,425.64
			SUBTOTAL AMOUNT																4,590.00		4,590.00		5,425.64
			PROJECT MOBILIZATION																				
			equipment mobilization	18.00	each							300.00							5,508.00		5,508.00	361.71	6,510.77
			project mobilization, labor	1.00	lsum		200.000				5,000.00					200.000	6,350.00				6,350.00	7,506.06	7,506.06
			project de-mobilization, labor	1.00	lsum		200.000				5,000.00					200.000	6,350.00				6,350.00	7,506.06	7,506.06
			SUBTOTAL AMOUNT													400.000	12,700.00		5,508.00		18,208.00		21,522.89
			MAINTENANCE OF TRAFFIC																				
			arrow / information	60.00	day		8.000	Hourly			200.00		4.50			480.000	15,240.00		275.40		15,515.40	305.67	18,340.08
			flagman x 2	120.00	day		16.000	MH/U		12.00	192.00					1920.000	29,260.80				29,260.80	288.23	34,587.92
			advance warning signs	360.00	day		1.000				25.00					360.000	11,430.00		201.96		11,631.96	38.19	13,749.64
			barricades	1,200.00	day								0.55						673.20		673.20	0.66	795.76
			set & maintenance labor	60.00	day		2.000	MH/U			50.00					120.000	3,810.00				3,810.00	75.06	4,503.64
			registered traffic engineer (mot-plan)	1.00	lsum								5,500.00						5,610.00		5,610.00	6,631.34	6,631.34
			SUBTOTAL AMOUNT													2880.000	59,740.80		6,760.56		66,501.36		78,608.37
			FIELD OFFICE AND TEMPORARY FACILITIES																				
			office ramp/deck and utility hook-up	1.00	job	750.00	25.000				625.00		1,500.00		802.50	25.000	793.75		1,530.00		3,126.25	3,695.40	3,695.40
			contractors field office trailer	15.00	mnth								550.00						8,415.00		8,415.00	663.13	9,947.01
			contractor field office expense	15.00	mnth									500.00						8,025.00	8,025.00	632.40	9,486.00
			ice, water & cups	15.00	mnth								1,050.00							16,852.50	16,852.50	1,328.04	19,920.61
			chemical toilets	30.00	mnth								265.00							8,506.50	8,506.50	335.17	10,055.16
			SUBTOTAL AMOUNT												802.50	25.000	793.75		9,945.00	33,384.00	44,925.25		53,104.19
			SAFETY / FIRST AID																				
			signs and notices	1.00	job									600.00						642.00	642.00	758.88	758.88
			first aid	15.00	mnth									400.00						6,420.00	6,420.00	505.92	7,588.80
			personal safety protection equipment	1.00	job									35,000.00						37,450.00	37,450.00	44,268.02	44,268.02
			SUBTOTAL AMOUNT																	44,512.00	44,512.00		52,615.70
			SMALL TOOLS ALLOWANCE																				
			small tools allowance 1% of labor	1.00	job									75,000.00						80,250.00	80,250.00	94,860.04	94,860.04
			SUBTOTAL AMOUNT																	80,250.00	80,250.00		94,860.04
			CONTRACTOR VEHICLES																				
			pick-up truck (superintendents) x 6 ea.	90.00	mnth						650.00							62,595.00			62,595.00	822.12	73,990.83
			utility / flat bed truck	30.00	mnth							750.00						24,075.00			24,075.00	948.60	28,458.01
			SUBTOTAL AMOUNT																	86,670.00	86,670.00		102,448.85
			CONSTRUCTION AIDS																				
			scaffolding / access	1.00	job							25,000.00						26,750.00			26,750.00	31,620.01	31,620.01
			safety nets	50,700.00	sqft									0.72						39,059.28	39,059.28	0.91	46,170.28
			job built temporary protection devices	1.00	job	10,000.00	100.000				2,500.00				10,700.00	100.000	3,175.00				13,875.00	16,401.04	16,401.04
			temporary ladders & stairs	1.00	job	2,000.00	100.000				2,500.00				2,140.00	100.000	3,175.00				5,315.00	6,282.63	6,282.63
			safety railing (guiderail cable type) "say" 3 floor typ	1,400.00	lnft	5.20	0.260	MH/U			6.50				7,789.60	364.000	11,557.00				19,346.60	16.33	22,868.78
			SUBTOTAL AMOUNT												20,629.60	564.000	17,907.00	26,750.00		39,059.28	104,345.88		123,342.74
			EQUIPMENT MOBILIZATION																				
			concrete placing boom	2.00	each						4,750.00							10,165.00			10,165.00	6,007.80	12,015.61
			large equipment deliveries	1.00	load							550.00						588.50			588.50	695.64	695.64
			SUBTOTAL AMOUNT																	10,753.50	10,753.50		12,711.25
			CONTRACTOR CONSTRUCTION EQUIPMENT																				
			pettibone	30.00	mnth						2,060.00							66,126.00			66,126.00	2,605.49	78,164.68
			fork lift	15.00	mnth							1,720.00						27,606.00			27,606.00	2,175.46	32,631.85

SAMPLE HIGH-RISE TOWER

Brickell Avenue * Miami, Florida

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			telescoping lift	7.00	mnth						-	2,140.00			-		-	16,028.60	-	-	16,028.60	2,706.67	18,946.71
			small equipment rental	15.00	mnth						-	5,000.00			-		-	80,250.00	-	-	80,250.00	6,324.00	94,860.04
			conex box	15.00	mnth						-	385.00			-		-	6,179.25	-	-	6,179.25	486.95	7,304.22
			SUBTOTAL AMOUNT															196,189.85			196,189.85		231,907.51
			CONTRACTOR EQUIPMENT MAINTENANCE & REPAIR																				
			maintenance and repair	15.00	mnth						-	2,000.00			-		-	32,100.00	-	-	32,100.00	2,529.60	37,944.02
			SUBTOTAL AMOUNT															32,100.00			32,100.00		37,944.02
			FUEL, DELIVERY & STORAGE																				
			fuel, oils and other	15.00	mnth						-	2,500.00			-		-	40,125.00	-	-	40,125.00	3,162.00	47,430.02
			temporary fuel tank (provided) and spill recovery area	1.00	lsum						-	3,000.00			-		-	3,210.00	-	-	3,210.00	3,794.40	3,794.40
			SUBTOTAL AMOUNT															43,335.00			43,335.00		51,224.42
			TOWER CRANE MOBILIZATION & ERECTION																				
			in / out transportation & erection	4.00	each						-	42,500.00			-		-	181,900.00	-	-	181,900.00	53,754.02	215,016.10
			SUBTOTAL AMOUNT															181,900.00			181,900.00		215,016.10
			LIFTING, HOISTING & RIGGING																				
			rt. crane 30 ton	15.00	mnth						-	7,650.00			-		-	122,782.50	-	-	122,782.50	9,675.72	145,135.87
			crawler crane 200 ton	8.00	mnth						-	28,750.00			-		-	246,100.00	-	-	246,100.00	36,363.02	290,904.13
			tower crane 316 eh	15.00	mnth						-	32,950.00			-		-	528,847.50	-	-	528,847.50	41,675.18	625,127.68
			tower crane 316 eh	15.00	mnth						-	32,950.00			-		-	528,847.50	-	-	528,847.50	41,675.18	625,127.68
			anchor stools	1.00	job						-	8,850.00			-		-	9,469.50	-	-	9,469.50	11,193.49	11,193.49
			rigging expense	1.00	job						-	78,000.00			-		-	83,460.00	-	-	83,460.00	98,654.44	98,654.44
			concrete foundations @ 120 cuyd (tower cranes)	2.00	each	10,000.00	363.636				9,090.91	1,250.00			21,400.00	727.273	23,090.91	2,675.00	-	-	47,165.91	27,876.39	55,752.78
			jumps w/over-time	8.00	each						-	8,500.00			-		-	72,760.00	-	-	72,760.00	10,750.80	86,006.44
			overtime allowance (2 x crane operator)	1.00	job		3000.000	MH/U		85.00	255,000.00				-	3000.000	323,850.00	-	-	323,850.00	382,809.03	382,809.03	
			SUBTOTAL AMOUNT												21,400.00	3727.273	346,940.91	1,594,942.00			1,963,282.91		2,320,711.53
			PUNCH-LIST																				
			cleanup and daily debri removal (5 hrs/day)	1.00	job		1825.000	MH/U							-	1825.000	57,943.75	-	-	57,943.75	68,492.79	68,492.79	
			punchlist	1.00	job		500.000	MH/U							-	500.000	15,875.00	-	-	15,875.00	18,765.15	18,765.15	
			SUBTOTAL AMOUNT													2325.000	73,818.75				73,818.75		87,257.94
			SUBTOTAL AMOUNT												45,507.10	15918.273	1,202,797.09	2,212,765.35	854,533.56	777,145.28	5,092,748.38	6,019,916.86	6,019,916.86
			2 SITEWORK	1.00	LSUM																		
			EROSION CONTROL																				
			silt fence at site + off-site stockpile	1,500.00	lnft	0.48	0.018				0.45	0.60			770.40	27.000	857.25	963.00	-	-	2,590.65	2.04	3,062.29
			clean streets	8.00	each		16.000	MH/U			400.00	450.00			-	128.000	4,064.00	3,852.00	-	-	7,916.00	1,169.65	9,357.16
			SUBTOTAL AMOUNT												770.40	155.000	4,921.25	4,815.00			10,506.65		12,419.46
			DEWATERING																				
			initial wellpoint system rental (2-week)	900.00	lnft						-		4.50		-		-	-	4,131.00	-	4,131.00	5.43	4,883.08
			additional wellpoint system (plastic) rental	70.00	day						-	180.00			-		-	12,852.00	-	-	12,852.00	217.03	15,191.79
			discharge piping w/fit. + access ramps	300.00	lnft	8.00	0.250	MH/U			6.25	6.00	1.85	15.00	2,568.00	75.000	2,381.25	1,926.00	566.10	4,815.00	12,256.35	48.29	14,487.70
			wellpoint system daily pump operation	60.00	day		1.000	MH/U			25.00	285.00			-	60.000	1,905.00	18,297.00	-	-	20,202.00	398.00	23,879.91
			wellpoint system damage & repairs	1.00	job						-		2,500.00		-		-	2,550.00	-	-	2,550.00	3,014.24	3,014.24
			SUBTOTAL AMOUNT												2,568.00	135.000	4,286.25	20,223.00	20,099.10	4,815.00	51,991.35		61,456.72
			TEMP. HAUL ROADS & SITE ACCESS																				
			construction entrance (fabric & stone)	1.00	job	650.00	11.818	MH/U			295.45	450.00			695.50	11.818	375.23	481.50	-	-	1,552.23	1,834.82	1,834.82
			SUBTOTAL AMOUNT												695.50	11.818	375.23	481.50			1,552.23		1,834.82
			STRIP TOPSOIL																				
			strip topsoil, load and haul off-site	550.00	cuyd		0.026	MH/U			0.65	1.60	4.00		-	14.300	454.02	941.60	2,244.00	-	3,639.62	7.82	4,302.24
			SUBTOTAL AMOUNT													14.300	454.02	941.60	2,244.00		3,639.62		4,302.24

SAMPLE HIGH-RISE TOWER

Brickell Avenue * Miami, Florida

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			visqueen (rain cover - reuse)	1.00	job	1,500.00					-				1,605.00		-	-	-	-	1,605.00	1,897.20	1,897.20
			SUBTOTAL AMOUNT								-				1,605.00		-	-	-	-	1,605.00	-	1,897.20
			CONCRETE FORMWORK								-				-		-	-	-	-	-	-	-
			forms in-place pile-cap	23,320.00	sfca	1.60	0.165	MH/U			4.13				39,923.84	3847.800	122,167.65	-	-	-	162,091.49	8.22	191,601.32
			forms in-place grade beams	6,277.70	sfca	1.20	0.098	MH/U			2.45				8,060.57	615.215	19,533.06	-	-	-	27,593.63	5.20	32,617.23
			forms in-place beams	75,523.69	sfca		0.175	MH/U			4.38		2.70		-	13216.646	419,628.50	-	207,992.24	-	627,620.74	9.82	741,883.24
			forms in-place square columns	210,876.00	sfca		0.175	MH/U			4.38		1.40		-	36903.300	1,171,679.77	-	301,130.93	-	1,472,810.70	8.26	1,740,945.61
			forms in-place shearwalls	496,442.00	sfca		0.186	MH/U			4.65		1.30		-	92338.212	2,931,738.23	-	658,282.09	-	3,590,020.32	8.55	4,243,607.23
			forms in-place walls	51,537.00	sfca		0.186	MH/U			4.65		1.60		-	9585.882	304,351.75	-	84,108.38	-	388,460.13	8.91	459,181.87
			forms in-place curbs	36,536.00	sfca	0.91	0.175	MH/U			4.38				35,575.10	6393.800	203,003.15	-	-	-	238,578.25	7.72	282,013.00
			forms in-place elevated slab (flying-table gross area)	1,000,000.00	sfca		0.014	MH/U			0.35		0.60		-	14000.000	444,500.00	-	612,000.00	-	1,056,500.00	1.25	1,248,842.80
			forms in-place ramp slab (stationary)	72,000.00	sfca		0.168	MH/U			4.20		1.40		-	12096.000	384,048.00	-	102,816.00	-	486,864.00	7.99	575,500.81
			forms in-place elevated pool slab (stationary)	7,100.00	sfca		0.168	MH/U			4.20		1.70		-	1192.800	37,871.40	-	12,311.40	-	50,182.80	8.35	59,318.91
			forms in-place edge (elev)	19,447.00	sfca	0.66	0.145	MH/U			3.63				13,733.47	2819.815	89,529.13	-	-	-	103,262.60	6.28	122,062.24
			forms in-place edge (add openings)	14,040.00	sfca	0.66	0.145	MH/U			3.63				9,915.05	2035.800	64,636.65	-	-	-	74,551.70	6.28	88,124.33
			forms in-place edge (sog)	898.00	sfca	0.78	0.075	MH/U			1.88				749.47	67.350	2,887.36	-	-	-	6,735.83	3.80	3,413.58
			forms in-place stairs (incline)	9,951.00	sfca	1.55	0.330	MH/U			8.25				16,503.73	3283.830	104,261.60	-	-	-	120,765.33	14.35	142,751.46
			forms in-place stairs (landing)	4,416.00	sfca	1.34	0.200	MH/U			5.00				6,331.66	883.200	28,041.60	-	-	-	34,373.26	9.20	40,631.14
			forms in-place stairs (edge)	3,312.00	sfca	0.55	0.065	MH/U			1.63				1,949.11	215.280	6,835.14	-	-	-	8,784.25	3.14	10,383.48
			forms in-place small blockouts	5,300.00	sfca	2.20	0.200	MH/U			5.00				12,476.20	1060.000	33,655.00	-	-	-	46,131.20	10.29	54,529.69
			forms in-place bulkhead w/keyway (garage)	300.00	lnft	1.45	0.096	MH/U			2.40				465.45	28.800	914.40	-	-	-	1,379.85	5.44	1,631.06
			forms in-place bulkhead w/keyway (split deck pours)	4,770.00	lnft	1.45	0.096	MH/U			2.40				7,400.66	457.920	14,538.96	-	-	-	21,939.62	5.44	25,933.87
			forms in-place equipment pads	465.00	sfca	2.65	0.152	MH/U			3.80				1,318.51	70.680	2,244.09	-	-	-	3,562.60	9.06	4,211.19
			plyform (1) garage deck x 12%	39,100.32	sfca	1.30	0.009	MH/U			0.23				54,388.55	351.903	11,172.92	-	-	-	65,561.47	1.98	77,497.36
			plyform (1) tower deck x 12%	19,779.20	sfca	1.30	0.009	MH/U			0.23				27,512.87	178.013	5,651.91	-	-	-	33,164.78	1.98	39,202.64
			fasteners and etc.	1.00	lsum	28,000.00					-				29,960.00		-	-	-	-	29,960.00	35,414.42	35,414.42
			SUBTOTAL AMOUNT								-				266,264.23	201642.245	6,402,141.27	-	1,978,641.05	-	8,647,046.55	-	10,221,298.48
			<i>Total Contact Area</i>	2,037,741.39	sfca						-				-		-	-	-	-	-	-	-
			CONCRETE FORM WORK (MTL DECKING)								-				-		-	-	-	-	-	-	-
			steel decking	9,600.00	sqft	0.90	0.006	MH/U			0.15				9,244.80	57.600	1,828.80	-	-	-	11,073.60	1.36	13,089.62
			SUBTOTAL AMOUNT								-				9,244.80	57.600	1,828.80	-	-	-	11,073.60	-	13,089.62
			CONCRETE ACCESSORIES								-				-		-	-	-	-	-	-	-
			polystyrene filler (2,400 sf.)	4,800.00	cuft	4.00	0.045	MH/U			1.13				20,544.00	216.000	6,858.00	-	-	-	27,402.00	6.75	32,390.72
			waterstop	40.00	lnft	5.75	0.067	MH/U			1.68				246.10	2.680	85.09	-	-	-	331.19	9.79	391.49
			SUBTOTAL AMOUNT								-				20,790.10	218.680	6,943.09	-	-	-	27,733.19	-	32,782.20
			CONCRETE SHORING								-				-		-	-	-	-	-	-	-
			shoring beam	17,626.00	sqft	0.25	0.014	MH/U			0.35				4,714.96	246.764	7,834.76	-	-	-	12,549.72	0.84	14,834.47
			shoring stairs	14,367.00	sqft	0.25	0.014	MH/U			0.35				3,843.17	201.138	6,386.13	-	-	-	10,229.30	0.84	12,091.61
			re-shoring	1,184,133.00	sqft		0.010	MH/U			0.25		0.25		-	11841.330	375,962.23	-	301,953.92	-	677,916.15	0.68	801,335.26
			SUBTOTAL AMOUNT								-				8,558.13	12289.232	390,183.12	-	301,953.92	-	700,695.16	-	828,261.34
			CONCRETE PLACEMENT								-				-		-	-	-	-	-	-	-
			pile caps	5,316.00	cuyd		0.268	MH/U			6.70				-	1424.688	45,233.84	-	-	-	45,233.84	10.06	53,468.96
			grade beams	161.57	cuyd		0.375	MH/U			9.38				-	60.589	1,923.69	-	-	-	1,923.69	14.07	2,273.91
			slab on-grade	862.00	cuyd		0.655	MH/U			16.38				-	564.610	17,926.37	-	-	-	17,926.37	24.58	21,189.98
			elevated slabs	30,000.00	cuyd		0.450	MH/U			11.25				-	13500.000	428,625.00	-	-	-	428,625.00	16.89	506,659.01
			beams	1,210.70	cuyd		0.811	MH/U			20.28				-	981.878	31,174.62	-	-	-	31,174.62	30.44	36,850.17
			columns	4,420.30	cuyd		0.555	MH/U			13.88				-	2453.267	77,891.21	-	-	-	77,891.21	20.83	92,071.82
			shearwalls	17,796.60	cuyd		0.650	MH/U			16.25				-	11567.790	367,277.33	-	-	-	367,277.33	24.39	434,142.59
			walls	766.00	cuyd		0.575	MH/U			14.38				-	440.450	13,984.29	-	-	-	13,984.29	21.58	16,530.22
			curbs	563.70	cuyd		0.500	MH/U			12.50				-	281.850	8,948.74	-	-	-	8,948.74	18.77	10,577.92
			stairs (north / south & garage)	348.98	cuyd		1.200	MH/U			30.00				-	418.776	13,296.14	-	-	-	13,296.14	45.04	15,716.79
			grout planter bott.	17.00	cuyd		0.450	MH/U			11.25				-	7.650	242.89	-	-	-	242.89	16.89	287.11
			equipment pads @ supports	8.00	cuyd		1.350	MH/U			33.75				-	10.800	342.90	-	-	-	342.90	50.67	405.33
			pool / spa stairs	12.00	cuyd		1.350	MH/U			33.75				-	16.200	514.35	-	-	-	514.35	50.67	607.99
			SUBTOTAL AMOUNT								-				-	31728.547	-	-	-	-	-	-	1,190,781.80

SAMPLE HIGH-RISE TOWER

Brickell Avenue * Miami, Florida

WBS	Major	Minor	ITEM DESCRIPTIONS	QNTY	UNIT MSR	UNIT \$ MATERIAL	PRODUCTIVITY	UNIT/ TIME	CREW	ADJ. \$ HOURLY	UNIT \$ LABOR	UNIT \$ EQUIP	UNIT \$ SUB-CON	UNIT \$ OTHER	TOTAL MATERIAL	TOTAL... MANHOURS	TOTAL LABOR	TOTAL EQUIPMENT	TOTAL SUB-CON	TOTAL OTHER	TOTAL COST*	UNIT PRICE	TOTAL AMOUNT
			EXPANSION JOINT & PENETRATIONS																				
			sawcutting (sog)	1,500.00	lnft		0.018	MH/U			0.45	0.55			-	27.000	857.25	882.75	-	-	1,740.00	1.37	2,056.78
			SUBTOTAL AMOUNT												-	27.000	857.25	882.75	-	-	1,740.00	-	2,056.78
			CONCRETE FINISH																				
			slab on-grade machine	34,648.00	sqft		0.020	MH/U			0.50				-	692.960	22,001.48	-	-	-	22,001.48	0.75	26,006.99
			elevated slabs machine	1,104,600.00	sqft		0.026	MH/U			0.65				-	28719.600	911,847.30	-	-	-	911,847.30	0.98	1,077,855.12
			slabs and exposed beam tops & etc...	2,500.00	sqft		0.016	MH/U			0.40				-	40.000	1,270.00	-	-	-	1,270.00	0.60	1,501.21
			stairs & intermediate landings	17,580.00	sqft		0.045	MH/U			1.13				-	791.100	25,117.42	-	-	-	25,117.42	1.69	29,690.21
			grind, patch and grout (less unexposed ceiling)	601,913.00	sfca		0.005	MH/U			0.13				-	3009.565	95,553.69	-	-	-	95,553.69	0.19	112,949.87
			grind, patch and grout (stair soffits)	14,367.00	sfca		0.010	MH/U			0.25				-	143.670	4,561.52	-	-	-	4,561.52	0.38	5,391.97
			sprayed curing membrane stairs	17,580.00	sfca	0.05	0.010	MH/U			0.25				940.53	175.800	5,581.65	-	-	-	6,522.18	0.44	7,709.59
			sprayed curing membrane slabs	1,185,694.00	sfca	0.05	0.008	MH/U			0.20				63,434.63	9485.552	301,166.28	-	-	-	364,600.91	0.36	430,978.91
			SUBTOTAL AMOUNT												64,375.16	43058.247	1,367,099.34	-	-	-	1,431,474.50	-	1,692,083.89
			REINFORCEMENT MATERIALS																				
			rebar, vendor quote	7,500.00	ton	820.00					-				6,580,500.00		-	-	-	-	6,580,500.00	1,037.14	7,778,523.49
			rebar vendor quote (tendon support)	140.00	ton	940.00					-				140,812.00		-	-	-	-	140,812.00	1,188.91	166,447.75
			undolading & sorting		ton		0.460	MH/U			11.50				-		-	-	-	-	-	-	-
			backup bars		ton			MH/U			-				-		-	-	-	-	-	-	-
			stud rails per/pt.vendor	1.00	lsum	7,800.00		MH/U			-				8,346.00		-	-	-	-	8,346.00	9,865.44	9,865.44
			couplers	8,000.00	each		0.415	MH/U			10.38				-	3320.000	105,410.00	-	-	-	105,410.00	15.58	124,600.59
			form savers	3,800.00	each	11.50	0.415	MH/U			10.38				46,759.00	1577.000	50,069.75	-	-	-	96,828.75	30.12	114,457.06
			w-beam placement (LB-1 w24 x 229)	80.00	lnft	230.00	0.088	MH/U			2.20	2.00			19,688.00	7.040	223.52	171.20	-	-	20,082.72	296.74	23,738.91
			w-beam placement (LB-2 w/12 x 120)	8.00	lnft	122.00	0.068	MH/U			1.70				1,044.32	0.544	17.27	-	-	-	1,061.59	156.86	1,254.86
			w-column placement (Shearwall w/24 x 229)	117.00	lnft	230.00	0.088	MH/U			2.20				28,793.70	10.296	326.90	-	-	-	29,120.60	294.21	34,422.20
			engineers add-resteel **allowance**	10.00	ton	950.00					-		415.00		10,165.00	992.727	-	-	4,233.00	-	14,398.00	1,701.93	17,019.25
			SUBTOTAL AMOUNT												6,836,108.02	5907.607	156,047.44	171.20	4,233.00	-	6,996,559.66	-	8,270,329.56
			REINFORCEMENT PLACEMENT																				
			rodbuster subcontract installation	7,500.00	ton						-		415.00		-		-	-	3,174,750.00	-	3,174,750.00	500.36	3,752,734.21
			SUBTOTAL AMOUNT												-		-	-	3,174,750.00	-	3,174,750.00	-	3,752,734.21
			STEEL EMBEDS																				
			columns	858.00	each		0.400	MH/U			10.00				-	343.200	10,896.60	-	-	-	10,896.60	15.01	12,880.40
			stairs plate (if precast 137 sets)		each		0.400	MH/U			10.00				-		-	-	-	-	-	-	-
			stair nosings treads	2,243.00	each		0.120	MH/U			3.00				-	269.160	8,545.83	-	-	-	8,545.83	4.50	10,101.65
			anchor plates, ledger / bolts	100.00	each	16.00	0.265	MH/U			6.63				1,712.00	26.500	841.38	-	-	-	2,553.38	30.18	3,018.24
			bollard embeds **guess**	12.00	each		0.265	MH/U			6.63				-	3.180	100.96	-	-	-	100.96	9.95	119.34
			SUBTOTAL AMOUNT												1,712.00	642.040	20,384.77	-	-	-	22,096.77	-	26,119.63
			POST TENSION																				
			post tension vendor quote (PTE)	755,500.00	lbs	0.98					-				792,217.30		-	-	-	-	792,217.30	1.24	936,445.69
			subcontract installation	755,500.00	lbs						-		0.70		-		-	-	539,427.00	-	539,427.00	0.84	637,633.25
			SUBTOTAL AMOUNT												792,217.30		-	-	539,427.00	-	1,331,644.30	-	1,574,078.94
			SUBTOTAL AMOUNT												14,102,536.61	295696.289	9,356,838.09	94,785.95	6,143,346.61	-	29,697,507.26	577.21	35,104,134.61
			END OF ESTIMATE																		104,093,728.96		\$ 41,434,388.25

NO.	EXCLUSIONS & QUALIFICATIONS
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