

Sample Est

Project name *Fire Depart*
Job size *20630 sft*

Group	Phase	Location	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Amount	Equip Cost/Unit	Equip Amount	Other Cost/Unit	Other Amount	Total Cost/Unit	Total Amount	Percent of Total	
	02231		Aggregate Base Course														
		Sitework	Aggregate Base @ Transformer = 2 cyds	3.50 tons			7.00	25	18					12.00	42	0.001	
		Sitework	Aggregate Base @ Dumpster = 5 cyds	9.00 tons	0.00	0	7.00	63	45	0.00	0			12.00	108	0.001	
		Sitework	Aggregate Base @ Bldg Footprint @ 6" = 19,200sft = 1200 cyds	2,160.00 tons			7.00	15,120	10,800					12.00	25,920	0.349	
		Sitework	Aggregate Base @ Medium Duty Paving @ 12" = 25K sft = 950 cyds	1,710.00 tons			7.00	11,970	8,550					12.00	20,520	0.277	
		Sitework	Aggregate Base @ HeavyDuty Paving @ 18" = 39k sft = 2200 cyds	3,960.00 tons			7.00	27,720	19,800					12.00	47,520	0.641	
		Sitework	Aggregate Base @ Conc Drive @ 12" = 3100 sft = 125 cyds	225.00 tons			7.00	1,575	1,125					12.00	2,700	0.036	
		Sitework	Construction Entry @ 24" = 50 cyds	90.00 tons			7.00	630	450					12.00	1,080	0.015	
		Sitework	Sidewalks @ 6" = 5200 sft = 100 cyds	180.00 tons	0.00	0	7.00	1,260	900	0.00	0			12.00	2,160	0.029	
		Sitework	Aggregate Base @ Bldg Sign = 5 cyds	2.75 tons			7.00	19	14					12.00	33	0.000	
		Sitework	Mirafi 500x - @ Paving	7,100.00 syd			1.10	7,810						1.10	7,810	0.105	
		Sitework	Mirafi 500x - @ Under slab	2,100.00 syd			1.10	2,310						1.10	2,310	0.031	
	02510		Asphalt Concrete Paving														
		Sitework	Medium Duty Paving 2.5" base - 1.5" top coat = 25K sft	25,000.00 sft					87,500					3.50	87,500	1.180	
		Sitework	Heavy Duty Paving 3.5" base - 1.5" top coat = 39K sft	39,000.00 sft					156,000					4.00	156,000	2.103	
	02550		Pavement Markings														
		Sitework	Pavement Markings	LS	-	-	-	-	-	-	-	-	-	-	-	-	
	02685		Gas Distribution Systems														
		Sitework	Gas Utility Line by Utility Co ???	lft	-	-	-	-	-	-	-	-	-	-	-	-	
	02712		Footing Drains														
		Sitework	Install Footing Drains, fabric & aggregate	1,000.00 lf					10,000					10.00	10,000	0.135	
	02723		Storm Sewer Piping														
		Sitework	Storm Sewer Piping	700.00 lft			25.00	17,500	3,500					30.00	21,000	0.283	
	02724		Catch Basins														
		Sitework	Catch Basin / MH #1	1.00 ea			800.00	800	-					800.00	800	0.011	
		Sitework	Catch Basin / MH #2	1.00 ea			800.00	800	-					800.00	800	0.011	
		Sitework	Catch Basin / MH #3	1.00 ea			800.00	800	-					800.00	800	0.011	
		Sitework	Catch Basin / MH #4	1.00 ea			800.00	800	-					800.00	800	0.011	
		Sitework	Catch Basin / MH #5	1.00 ea			800.00	800	-					800.00	800	0.011	
		Sitework	Catch Basin / MH #6	1.00 ea			800.00	800	-					800.00	800	0.011	
		Sitework	Excavate set & Backfill Catch Basin	6.00 ea			0.00	0	3,000					500.00	3,000	0.040	
		Sitework	Misc CB valves, fittings, piping connections	6.00 ea			0.00	0	3,000					500.00	3,000	0.040	
	02731		City Sewer Hook Up														
		Sitework	Street Tie-ins & Reprs - cut, excavate, backfill road patchg Allowance	1.00 ls									#####	15,000	15,000.00	15,000	0.202
	02733		Sanitary Sewer Piping														
		Sitework	6" Sanitary Piping - SDR35	1,250.00 lft			5.00	6,250	6,250					10.00	12,500	0.169	
	02734		Sanitary Sewer Manholes														
		Sitework	Sanitary Manhole #1 w/ cover	1.00 ea			2,000.00	2,000	-					2,000.00	2,000	0.027	
		Sitework	Sanitary Manhole #2 w/ cover	1.00 ea			2,000.00	2,000	-					2,000.00	2,000	0.027	
		Sitework	Existing Sanitary Manhole - tie-in & patch	1.00 ea			0.00	0	1,800					1,800.00	1,800	0.024	
		Sitework	Sanitary Manhole #3 w/ cover	1.00 ea			2,000.00	2,000	-					2,000.00	2,000	0.027	
		Sitework	Excavate, Set & Backfill MH	4.00 ea					4,000					1,000.00	4,000	0.054	
		Sitework	Misc MH fittings, misc piping connections	4.00 ea			500.00	2,000	2,000					1,000.00	4,000	0.054	
	02750		Water System														
		Sitework	Water Service Street Connection cut excavate, patch road allowance	1.00 ls									#####	15,000	15,000.00	15,000	0.202
		Sitework	8" DIP line	675.00 lft			35.00	23,625	13,500	7.00	4,725			62.00	41,850	0.564	
	02800		Misc Site Structures														
		Sitework	Gease Trap Conc Structure Allowance - 1000 gal	1.00 ea			2,500.00	2,500	1,250					3,750.00	3,750	0.051	
		Sitework	Oil Water Separator Conc Structure Allowance - 2500 gal	1.00 ea			4,000.00	4,000	1,250					5,250.00	5,250	0.071	
		Sitework	Fire Hydrant w/ fittings	2.00 ea			3,000.00	6,000	3,600					4,800.00	9,600	0.129	
	02830		Sitework Materials														
		Sitework	Silt Fence w/ Maintenance	3,900.00 lf					7,800					2.00	7,800	0.105	
	02840		Parking Signage														
		Sitework	Site Signage Package	ls	-	-	-	-	-	-	-	-	-	-	-	-	
02900			LANDSCAPING														
	02910		Landscaping														
		Sitework	Hydro-seed w/ fertilizer	75,000.00 sft					112,500					1.50	112,500	1.517	
	02950		Trees, Shrubs & Groundcvr														
		Sitework	Misc Landscaping allowance	1.00 ls					5,000					5,000.00	5,000	0.067	
		Sitework	Tree Allowance	1.00 ls					15,000					15,000.00	15,000	0.202	

Group	Phase	Location	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Amount	Equip Cost/Unit	Equip Amount	Other Cost/Unit	Other Amount	Total Cost/Unit	Total Amount	Percent of Total	
	02950		Trees, Shrubs & Groundcvr														
		Sitework	Shurbs Allowance	1.00 ls					15,000					-	15,000.00	15,000	0.202
		Sitework	Basin Plantings & Cover - Front - wild seed mix	6,200.00 sft					4,650					0.75	4,650	0.063	
		Sitework	Basin Plantings & Cover - Rear - wild seed mix	10,500.00 sft					7,875					0.75	7,875	0.106	
03000			CONCRETE														
	03250		Concrete Bollards														
		Sitework	8" Bollards - In Place Dumpster Pad	5.00 ea			950.00	4,750	1,250	-	-	-	-	1,200.00	6,000	0.081	
		Sitework	8" Bollards - In Place Transformer Pad	12.00 ea	0.00	0	950.00	11,400	3,000	-	-	-	-	1,200.00	14,400	0.194	
	03300		Cast-In-Place Concrete														
		Sitework	Light Pole Bases	21.00 ea			750.00	15,750	5,250	-	-	-	-	1,000.00	21,000	0.283	
		Sitework	Transformer Pad	3.00 cyds			200.00	600	750	-	-	-	-	450.00	1,350	0.018	
		Sitework	Dumpster Pad = 200 sft	5.00 cyds	0.00	0	200.00	1,000	1,250	-	-	-	-	450.00	2,250	0.030	
		Sitework	Bldg Sign Pad = 50 sft	2.00 cyds			200.00	400	500	-	-	-	-	450.00	900	0.012	
		Sitework	Concrete Aprons = 1680 sft @ 12"d	65.00 cyds			200.00	13,000	16,250					450.00	29,250	0.394	
	03310		Spread Ftg Conc														
		Foundation	Spread Footing 48" sq - reinforced = 35 cyds	35.00 cy	-	-	200.00	7,000	10,500	-	-	-	-	500.00	17,500	0.236	
		Foundation	Spread Footing 72" sq - reinforced - 10 cyds	10.00 cy	-	-	200.00	2,000	3,000	-	-	-	-	500.00	5,000	0.067	
	03311		S.O.G. Concrete														
		Foundation	8" S.O.G. Conc - Equip Side = 250 cyds = 10,100 sft	250.00 cy	-	-	175.00	43,750	31,250	-	-	-	-	300.00	75,000	1.011	
		Foundation	6" S.O.G. Conc - Office Side = 150 cyds = 8020 sft	150.00 cy	-	-	175.00	26,250	18,750	-	-	-	-	300.00	45,000	0.607	
	03312		Continuous Footings														
		Foundation	Continuous 12" wide - reinforced = 20 cyds	20.00 cy	-	-	200.00	4,000	5,000	-	-	-	-	450.00	9,000	0.121	
		Foundation	Continuous 16" wide - reinforced - 12 cyds	12.00 cy	-	-	200.00	2,400	3,000	-	-	-	-	450.00	5,400	0.073	
		Foundation	Continuous 18" wide - reinforced = 6 cyds	6.00 cy	-	-	200.00	1,200	1,500	-	-	-	-	450.00	2,700	0.036	
		Foundation	Continuous 20" wide - reinforced = 25 cyds	25.00 cy	-	-	200.00	5,000	6,250	-	-	-	-	450.00	11,250	0.152	
		Foundation	Continuous 24" wide - reinforced = 10 cyds	10.00 cy	-	-	200.00	2,000	2,500	-	-	-	-	450.00	4,500	0.061	
		Foundation	Continuous 36" wide - reinforced = 70 cyds	70.00 cy	-	-	200.00	14,000	17,500	-	-	-	-	450.00	31,500	0.425	
	03313		Wall Concrete														
		Foundation	8" Wall Conc - reinforced = 18 cyds	18.00 cy	-	-	200.00	3,600	4,500	-	-	-	-	450.00	8,100	0.109	
		Foundation	14" Wall Conc - reinforced = 75 cyds	75.00 cy	-	-	250.00	18,750	18,750	-	-	-	-	500.00	37,500	0.506	
	03320		Concrete Sidewalks														
		Sitework	Stamped Concrete - 5" Thick = 5200 sft = 100 cyds	5,200.00 sf	0.00	0	0.00	0	52,000	-	-	-	-	10.00	52,000	0.701	
	03370		Concrete /curbing														
		Sitework	Install Precast Concrete Curbing	1,900.00 lf	-	-	0.00	0	47,500	0.00	0	-	-	25.00	47,500	0.640	
04000			MASONRY														
	04220		Concrete Masonry Unit														
		Structure	CMU Piers - Reinforced @ OH Drs 2' x 2-4" x 22'h = 100 sft/ea	9.00 ea			0.00	0	13,500	-	-	-	-	1,500.00	13,500	0.182	
		Structure	8" CMU Reinf -	12,615.00 sf			0.00	0	163,995					13.00	163,995	2.211	
		1A Partitions	8" CMU Reinf - Sub L&M	4,200.00 sf			0.00	0	54,600					13.00	54,600	0.736	
		Structure	4" CMU Backup @ stone veneer	1,200.00 sf					9,600					8.00	9,600	0.129	
		Structure	12" CMU Reinf = 12 courses	760.00 sft	-	-	-	-	15,200	-	-	-	-	20.00	15,200	0.205	
		Structure	12" CMU Reinf = 12 courses	1,000.00 sft	-	-	-	-	20,000	-	-	-	-	20.00	20,000	0.270	
	04255		Masonry Veneer														
		Facade	4"d x 4"h x 16" L - Mod CMU Veneer allowance	7,500.00 sft			15.00	112,500	112,500	-	-	-	-	30.00	225,000	3.034	
	04455		Cultured Stone & Castings														
		Facade	Cultured Stone Budget	1,200.00 sf	-	-	15.00	18,000	30,000	-	-	-	-	40.00	48,000	0.647	
		Facade	Cast Stone Water Table Cap Budget	510.00 lft			7.75	3,953	2,295	-	-	-	-	12.25	6,248	0.084	
		Facade	7-5/8"h x 3-5/8" w Cast Stone - Window Band Budget	300.00 lft			25.00	7,500	1,500	-	-	-	-	30.00	9,000	0.121	
		Facade	12"h x 3-5/8" w Cast Stone - Cornice Band Budget	120.00 lft			50.00	6,000	1,200	-	-	-	-	60.00	7,200	0.097	
		Facade	2-4"h x 3-5/8" w Cast Stone - Window Band Budget	675.00 lft			75.00	50,625	6,750	-	-	-	-	85.00	57,375	0.774	
05000			STEEL														
	05120		Structural Steel														
		Structure	Steel Delivery to Site	37.00 ton			250.00	9,250						250.00	9,250	0.125	
		Structure	Jobsite Shack-out	37.00 ton					11,100					300.00	11,100	0.150	
		Structure	Field bolt / Welding Budget	37.00 ton					37,000					1,000.00	37,000	0.499	
		Structure	Crane & Misc Equip for erection	37.00 ton					11,100					300.00	11,100	0.150	
		Structure	Add Factor for under 100 ton projects	1.00 ls			65,000.00	65,000	10,000					75,000.00	75,000	1.011	
		Structure	Add Factor for under 100 ton project Beams	1.00 ls			45,000.00	45,000	5,000					50,000.00	50,000	0.674	
	05121		Beams														
		Structure	Steel Beams w12x14	800.00 lf			34.50	27,600	6,400	5.00	4,000			47.50	38,000	0.512	
		Structure	Steel Beams w16x26	300.00 lf			42.00	12,600	2,400	5.00	1,500			55.00	16,500	0.222	
		Structure	Steel Beams w18x35	130.00 lf			65.55	8,522	1,040	5.00	650			78.55	10,212	0.138	
		Structure	Steel Beams w18x40	100.00 lf			74.75	7,475	800	5.00	500			87.75	8,775	0.118	
		Structure	Steel Beams w21x44	80.00 lf			80.50	6,440	640	5.00	400			93.50	7,480	0.101	
		Structure	Steel Beams w10x22	425.00 lft			38.00	16,150	3,400	5.00	2,125			51.00	21,675	0.292	

Group	Phase	Location	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Amount	Equip Cost/Unit	Equip Amount	Other Cost/Unit	Other Amount	Total Cost/Unit	Total Amount	Percent of Total
	08810		Glazing Panes / Related W													
09000			Glazing Panes DR G& N	9.00 ea	0.00	0	25.00	225	225	-	-	-	-	50.00	450	0.006
			FINISHES													
	09250		Metal Studs													
		FR Egress Parti	3-5/8" Studs	4,350.00 sf	-	-	0.75	3,263	13,050	-	-	-	-	3.75	16,313	0.220
		4A Partititon	3-5/8" Studs	3,775.00 sf	-	-	0.75	2,831	11,325	-	-	-	-	3.75	14,156	0.191
	09261		Gypsum Board													
		Parapet interio	Dens-Glass Gold Ext. Gyp Sheathing	1,720.00 sf	0.00	0	0.90	1,548	1,720	-	-	-	-	1.90	3,268	0.044
		Low Roofs	Dens-Glass Cover Bd over Roof Insulation	4,900.00 sf	0.00	0	0.90	4,410	4,900	-	-	-	-	1.90	9,310	0.126
		Community Walls	Dens-Glass Ext Sheathing	3,550.00 sf			0.90	3,195	3,550	-	-	-	-	1.90	6,745	0.091
		Vestible	Dens-Glass Ext Sheathing	4,350.00 sf			0.90	3,915	4,350	-	-	-	-	1.90	8,265	0.111
		FR Egress Parti	Drywall Complete 5/8"-2nd Layr	4,280.00 sf	-	-	0.75	3,210	8,560	-	-	-	-	2.75	11,770	0.159
		FR Egress Parti	Drywall Complete 5/8"-2nd Layr	4,280.00 sf	-	-	0.01	37	8,560	-	-	-	-	2.01	8,597	0.116
		1st Flr	Gyp Bd for suspended ceilings - level 4 finish	2,500.00 sf	0.00	0	0.45	1,125	3,750	-	-	-	-	1.95	4,875	0.066
		Vestible	Gyp Bd Walls level 4 finish= Ext Perimeter	560.00 sf			0.45	252	840	-	-	-	-	1.95	1,092	0.015
		4A Partition	Gyp Bd for Partition walls - level 4 finish	3,775.00 sf	0.00	0	0.45	1,699	5,663	-	-	-	-	1.95	7,361	0.099
		4A Partition	Gyp Bd for Partition walls - level 4 finish	3,775.00 sf			0.45	1,699	5,663	-	-	-	-	1.95	7,361	0.099
	09300		Suspended Ceiling Systems													
		Mezz	Gypsum Board Soffits	150.00 sf	-	-	5.00	750	3,000	-	-	-	-	25.00	3,750	0.051
			Suspended Gyp Bd Ceiling Assembly	2,500.00 sf	-	-	0.85	2,125	5,625	-	-	-	-	3.10	7,750	0.104
	09310		Ceramic Tile Work													
		Tile Work	Ceramic Floor Tile	575.00 sft	-	-	5.00	2,875	1,725	-	-	-	-	8.00	4,600	0.062
		Tile Work	Ceramic Base	200.00 lft	-	-	6.00	1,200	1,500	-	-	-	-	13.50	2,700	0.036
		Tile Work	Ceramic wall tile - full hgt	1,800.00 sf	-	-	3.75	6,750	9,450	-	-	-	-	9.00	16,200	0.218
		Tile Work	Quarry Tile 6x6 , red, mud set	500.00 sft	-	-	8.00	4,000	3,500	-	-	-	-	15.00	7,500	0.101
	09500		Acoustical Ceilings													
		Ceilings	2 x 4 Acoustical Ceilings	5,690.00 sf	-	-	3.60	20,484	15,648	-	-	-	-	6.35	36,132	0.487
09600			Flooring & Carpet													
	09640		Sealed Concrete													
		Flooring	Concrete Flr - sealed - Mess	475.00 sf	-	-	1.00	475	475	-	-	-	-	2.00	950	0.013
	09660		Resil Flooring													
		Flooring	Resil. Tile 12 x 12	6,560.00 sf	-	-	-	-	27,060	-	-	-	-	4.13	27,060	0.365
		Flooring	Rubber Base	2,150.00 lf	-	-	2.00	4,300	3,763	-	-	-	-	3.75	8,063	0.109
		Flooring	Rubber Base	250.00 lf	-	-	2.00	500	438	-	-	-	-	3.75	938	0.013
		Flooring	Rubber Stair Landing, treads & reisers	200.00 sf	-	-	8.00	1,600	1,000	-	-	-	-	13.00	2,600	0.035
		Flooring	Walk-off mat @ Vestible	45.00 sf			22.00	990	180	-	-	-	-	26.00	1,170	0.016
	09688		Carpet Tile													
		Flooring	Carpet Tile - 35 oz = 1115 sft	125.00 sy			42.00	5,250	844	-	-	-	-	48.75	6,094	0.082
	09720		Epoxy Paint													
09900			Epoxy Paint Flooring	8,015.00 sf	-	-	2.00	16,030	16,030	-	-	-	-	4.00	32,060	0.432
	09920		Interior Painting													
		Community Walls	Walls - CMU Walls finish coats	3,550.00 sf	0.00	0	0.26	923	2,663	-	-	-	-	1.01	3,586	0.048
		Vestible	Walls - CMU Walls finish coats	560.00 sf	0.00	0	0.26	146	420	-	-	-	-	1.01	566	0.008
		CMU	CMU Block Filler	13,950.00 sf	0.00	0	0.26	3,627	10,463	-	-	-	-	1.01	14,090	0.190
		FR Egress Parti	Walls - 3 Coats	6,795.00 sf	0.00	0	0.26	1,767	5,096	-	-	-	-	1.01	6,863	0.093
		FR Egress Parti	Walls - 3 Coats	4,350.00 sf	0.00	0	0.26	1,131	3,263	-	-	-	-	1.01	4,394	0.059
		4A Partition	Walls - 3 Coats	3,775.00 sf	0.00	0	0.26	982	2,831	-	-	-	-	1.01	3,813	0.051
		4A Partition	Walls - 3 Coats	4,275.00 sf			0.26	1,112	3,206	-	-	-	-	1.01	4,318	0.058
		1st Flr	Paint HM Frames	57.00 ea	0.00	0	5.00	285	5,700	-	-	-	-	105.00	5,985	0.081
10000			SPECIALTIES													
	10155		Toilet Compartments													
			Toilet Partitions	5.00 ea	-	-	675.00	3,375	1,000	-	-	-	-	875.00	4,375	0.059
	10500		Lockers													
			Metal Lockers	64.00 ea			275.00	17,600	1,600	-	-	-	-	300.00	19,200	0.259
			Locker Rm benck	60.00 lf			21.00	1,260	600	-	-	-	-	31.00	1,860	0.025
	10522		Fire Extinguishers													
			Fire Extinguisher w/Cab.Budget	5.00 ea	72.96	365	350.00	1,750	250	-	-	-	-	472.96	2,365	0.032
	10650		Operable Partitions													
		1st Flr	Operable Partition 36'w x 10'h	360.00 sft	-	-	60.00	21,600	12,600	-	-	-	-	95.00	34,200	0.461
10800			Bathroom Accessories													
	10820		Bath Accessories													
			Toilet Paper Holder	5.00 ea	0.00	0	45.00	225	150	-	-	-	-	75.00	375	0.005
			Soap Dispenser	5.00 ea	0.00	0	55.00	275	125	-	-	-	-	80.00	400	0.005
			Paper Towel Disp. & waste	5.00 ea	0.00	0	325.00	1,625	250	-	-	-	-	375.00	1,875	0.025

Group	Phase	Location	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Amount	Equip Cost/Unit	Equip Amount	Other Cost/Unit	Other Amount	Total Cost/Unit	Total Amount	Percent of Total
	10820		Bath Accessories													
			Sanitary Napkin Disposal	2.00 ea	-	-	185.00	370	150	-	-	-	-	260.00	520	0.007
			36" Grab Bar 1-1/2" dia	4.00 ea	0.00	0	45.00	180	100	-	-	-	-	70.00	280	0.004
	10821		Mirror													
			Mirrors	7.00 ea	-	-	125.00	875	210	-	-	-	-	155.00	1,085	0.015
11000			SPECIAL EQUIPMENT/SYSTEMS													
	11312		Vehicle Exhaust System													
			Garage Vehicle Exhaust System & Componets Budeget	1.00 ls					87,423	-	-	-	-	87,423.00	87,423	1.179
11400			Kltchen Equipment													
	11401		Kitchen Equip & Fitout													
			Restaurant Equipment Allowance	1.00 LS	-	-	-	-	3,500	50,000.00	50,000	-	-	53,500.00	53,500	0.721
12000			Furnishings													
	12370		Millwork													
			Counter Top Allowance for Radio room	26.00 lft	-	-	35.00	910	520	-	-	-	-	55.00	1,430	0.019
			Showcase detail 4 Allowance	16.50 lft	0.00	0	600.00	9,900	330	-	-	-	-	620.00	10,230	0.138
			Showcase detail 5 Allowance	9.00 lft	0.00	0	600.00	5,400	180	-	-	-	-	620.00	5,580	0.075
			Showcase detail 2 Allowance	12.67 lft	0.00	0	600.00	7,602	253	-	-	-	-	620.00	7,855	0.106
			Radio Rm Base Cabinetry Allowance	16.00 lft	0.00	0	300.00	4,800	320	-	-	-	-	320.00	5,120	0.069
			Mailbox Cabinetry details 6 Allowance	4.00 lft	0.00	0	300.00	1,200	80	-	-	-	-	320.00	1,280	0.017
15001			PLUMBING													
	15055		Santinary, Storm Gas & Air Piping													
		1st Flr	Gas Piping - 3"	250.00 lft	-	-	20.00	5,000	8,000	-	-	-	-	52.00	13,000	0.175
		1st Flr	3/4" Air Piping copper	400.00 lft	-	-	5.75	2,300	3,800	-	-	-	-	15.25	6,100	0.082
		1st Flr	Gas Piping - 2"	400.00 lft	-	-	10.00	4,000	10,000	-	-	-	-	35.00	14,000	0.189
			Storm pipe Lines - 8"	50.00 lft	-	-	300.00	15,000	10,000	-	-	-	-	500.00	25,000	0.337
			Water Service Lines - 6"	75.00 lft	-	-	19.25	1,444	2,513	-	-	-	-	52.75	3,956	0.053
			Underslab Sanitary Lines - 5"	75.00 lft	-	-	15.00	1,125	2,250	-	-	-	-	45.00	3,375	0.046
			Storm Overflow Lines - 8" PVC	200.00 lft	-	-	52.00	10,400	8,500	-	-	-	-	94.50	18,900	0.255
			Underslab Sanitary Lines - 4"	650.00 lft	-	-	9.25	6,013	17,745	-	-	-	-	36.55	23,758	0.320
			Sanitary Lines - 5"	150.00 lft	-	-	15.00	2,250	4,500	-	-	-	-	45.00	6,750	0.091
			3" Vents	1.00 lft	-	-	6.75	7	28	-	-	-	-	34.50	35	0.000
			Floor Drain	12.00 ea			300.00	3,600	1,200	-	-	-	-	400.00	4,800	0.065
			Trench Drains = 7 bays @ 45lft/ea	315.00 lft	0.00	0	100.00	31,500	7,875	-	-	-	-	125.00	39,375	0.531
	15066		Domestic Piping													
		1st Flr	HW 2" Copper Pipe (Consider Pex ??)	250.00 lft			24.30	6,075	4,375	-	-	-	-	41.80	10,450	0.141
		1st Flr	CW 2" Copper Pipe (Consider Pex ??)	400.00 lft			24.30	9,720	7,000	-	-	-	-	41.80	16,720	0.225
		Upper Clg	2" Truck Fill Pipe Copper (Consider Pex ??)	400.00 lft	0.00	0	24.30	9,720	7,000	-	-	-	-	41.80	16,720	0.225
		Upper Clg	HW 3/4" Copper Pipe (Consider Pex ??)	400.00 lft			5.75	2,300	3,900	-	-	-	-	15.50	6,200	0.084
		Upper Clg	CW 3/4" Copper Pipe (Consider Pex ??)	400.00 lft	0.00	0	5.75	2,300	3,900	-	-	-	-	15.50	6,200	0.084
		Upper Clg	R 1/2" Copper Pipe (Consider Pex ??)	400.00 lft			5.00	2,000	3,900	-	-	-	-	14.75	5,900	0.080
			Frost Free Sillcock	8.00 ea			15.00	120	1,200	-	-	-	-	165.00	1,320	0.018
	15073		Pipe & Fittings													
			Misc Fittings Lot	1.00 ls			10,000.00	10,000		-	-	-	-	10,000.00	10,000	0.135
	15210		Plumbing Fixtures													
			Drinking Fountain	2.00 ea			1,575.00	3,150	1,200	-	-	-	-	2,175.00	4,350	0.059
			Urinal	1.00 ea			650.00	650	1,100	-	-	-	-	1,750.00	1,750	0.024
			Mop Basin	3.00 ea			1,800.00	5,400	3,300	-	-	-	-	2,900.00	8,700	0.117
			Shower Stall A Rm 105	1.00 ea			1,000.00	1,000	1,500	-	-	-	-	2,500.00	2,500	0.034
		1st Flr	Kitchen Single SK-1	3.00 ea	-	-	1,150.00	3,450	2,550	-	-	-	-	2,000.00	6,000	0.081
		1st Flr	Wall Lav - Kinston wall hung Lav-1	7.00 ea	-	-	760.00	5,320	5,775	-	-	-	-	1,585.00	11,095	0.150
		1st Flr	Water Closets WC-1 & WC-2	6.00 ea	-	-	1,575.00	9,450	5,100	-	-	-	-	2,425.00	14,550	0.196
		1st Flr	Mop Sink	1.00 ea	-	-	2,750.00	2,750	1,100	-	-	-	-	3,850.00	3,850	0.052
	15300		Fire Protection													
			Engineered Drwgs	1.00 ls	-	-	-	-	7,500	-	-	-	-	7,500.00	7,500	0.101
			6" Standpipe - dry system	1.00 ea					11,000	-	-	-	-	11,000.00	11,000	0.148
			6" Standpipe - wet system	1.00 ea					14,500	-	-	-	-	14,500.00	14,500	0.196
			Sprinkler Budget - dry system	10,300.00 sft	-	-	-	-	56,650	-	-	-	-	5.50	56,650	0.764
			Sprinkler Budget - wet system	8,000.00 sft	-	-	-	-	38,000	-	-	-	-	4.75	38,000	0.512
			Ansul R102 System Budget	1.00 ls	-	-	-	-	2,500	-	-	-	-	2,500.00	2,500	0.034
	15310		Water Heaters													
			Water Heater & componet parts - 120 gal	1.00 ea	-	-	6,500.00	6,500	2,500	-	-	-	-	9,000.00	9,000	0.121
15500			H.V.A.C.													
	15501		HVAC													
			Misc fittings	1.00 ls	-	-	-	-	15,000	-	-	-	-	15,000.00	15,000	0.202
			Gas Piping @ RTU	4.00 ea	-	-	-	-	2,000	-	-	-	-	500.00	2,000	0.027
			RTU 1 = 3 tons	1.00 ea	-	-	-	-	6,000	-	-	-	-	6,000.00	6,000	0.081

Group	Phase	Location	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Amount	Equip Cost/Unit	Equip Amount	Other Cost/Unit	Other Amount	Total Cost/Unit	Total Amount	Percent of Total
	15501		HVAC													
			RTU 2 = 5 Tons	1.00 ea	-	-	-	-	10,000	-	-	-	-	10,000.00	10,000	0.135
			RTU 3 = 5 tons	1.00 ea	-	-	-	-	10,000	-	-	-	-	10,000.00	10,000	0.135
			RTU 4 = 7.5 Tons	1.00 ea	-	-	-	-	15,000	-	-	-	-	15,000.00	15,000	0.202
			Approx ductwork lft = 3500 x 5/lb = 17,500lbs	17,500.00 lbs	-	-	1.00	17,500	105,000	-	-	-	-	7.00	122,500	1.652
	15556		Cast Iron/Copper Boilers													
			Boiler & Componet parts Package - 1	1.00 ls	-	-	18,000.00	18,000	2,500	-	-	-	-	20,500.00	20,500	0.276
			Boiler & Componet parts Package - 1	1.00 ls	-	-	18,000.00	18,000	2,500	-	-	-	-	20,500.00	20,500	0.276
			Radiant Heat	12,150.00 lft	-	-	2.50	30,375	91,125	-	-	-	-	10.00	121,500	1.638
	15870		Exhsust Fans													
			F-1	1.00 ea	-	-	4,500.00	4,500	1,200	-	-	-	-	5,700.00	5,700	0.077
			F-2	1.00 ea	-	-	4,500.00	4,500	1,200	-	-	-	-	5,700.00	5,700	0.077
			F-3	1.00 ea	-	-	1,200.00	1,200	500	-	-	-	-	1,700.00	1,700	0.023
	15910		Ductwork Accessories													
			24x24 Difusers / Registers	26.00 ea	-	-	55.00	1,430	1,430	-	-	-	-	110.00	2,860	0.039
			24x24 Return Grilles	18.00 ea	-	-	110.00	1,980	810	-	-	-	-	155.00	2,790	0.038
	15990		Testing, Adjusting, Balance													
			Testing & Balancing	1.00 ls	-	-	-	-	7,500	-	-	-	-	7,500.00	7,500	0.101
			ID Tagging	1.00 ls	-	-	-	-	1,000	-	-	-	-	1,000.00	1,000	0.013
16000			ELECTRICAL													
	16001		Electric-Wiring Sub													
			Transformer 225 KVA	1.00 ls	-	-	-	-	17,000	-	-	-	-	17,000.00	17,000	0.229
			600A /3 Main Panel	1.00 ls	-	-	-	-	21,950	-	-	-	-	21,950.00	21,950	0.296
			100A /3	5.00 ls	-	-	-	-	12,500	-	-	-	-	2,500.00	12,500	0.169
			225A /3	1.00 ls	-	-	-	-	4,000	-	-	-	-	4,000.00	4,000	0.054
			Misc Allowaance - generator, electric tie-ins, ewtc	1.00 ls	-	-	-	-	25,000	-	-	-	-	25,000.00	25,000	0.337
			Receptacle	50.00 ea	-	-	-	-	15,500	-	-	-	-	310.00	15,500	0.209
			Quad Receptacle	17.00 ea	-	-	-	-	5,525	-	-	-	-	325.00	5,525	0.074
			Speciaal Purpose Receptacle	3.00 ea	-	-	-	-	930	-	-	-	-	310.00	930	0.013
			GFCI Receptacle	32.00 ea	-	-	-	-	11,200	-	-	-	-	350.00	11,200	0.151
			WP Receptacle	13.00 ea	-	-	-	-	4,550	-	-	-	-	350.00	4,550	0.061
			Branch wiring to fixtures	218.00 ea	-	-	-	-	67,580	-	-	-	-	310.00	67,580	0.911
			Fixture Installation	218.00 ea	-	-	-	-	21,800	-	-	-	-	100.00	21,800	0.294
			Smoke / CO2 Detector	6.00 ea	-	-	-	-	2,400	-	-	-	-	400.00	2,400	0.032
			Light Wiring ceiling cans	3.00 ea	-	-	-	-	840	-	-	-	-	280.00	840	0.011
			Boiler wiring / switch	2.00 ea	-	-	-	-	1,000	-	-	-	-	500.00	1,000	0.013
			Motor connections	24.00 ea	-	-	-	-	7,800	-	-	-	-	325.00	7,800	0.105
			RTU & ACC Disconnects	7.00 ea	-	-	-	-	3,500	-	-	-	-	500.00	3,500	0.047
			Visual Alarm	9.00 ls	-	-	-	-	3,150	-	-	-	-	350.00	3,150	0.042
			Sound & Visual Alarm	9.00 ls	-	-	-	-	3,150	-	-	-	-	350.00	3,150	0.042
			Double Action Manual Station	11.00 ls	-	-	-	-	5,500	-	-	-	-	500.00	5,500	0.074
			S Speaker	12.00 ls	-	-	-	-	4,200	-	-	-	-	350.00	4,200	0.057
			Fire Alarm Control Panel Allowance	1.00 ls	-	-	-	-	9,500	-	-	-	-	9,500.00	9,500	0.128
			Smoke Detector	6.00 ea	-	-	0.00	0	2,400	-	-	-	-	400.00	2,400	0.032
			Junction Box	35.00 ea	-	-	-	-	3,500	-	-	-	-	100.00	3,500	0.047
	16300		Generator													
		Sitework	Standby Generator 150 kw - 208/120v - LP	1.00 ea	-	-	0.00	0	75,000	-	-	-	-	75,000.00	75,000	1.011
	16412		Automatic Transfer Switch													
		Sitework	Automatic Transfer Switch - Allowance	1.00 ea	-	-	0.00	0	10,000	-	-	-	-	10,000.00	10,000	0.135
	16512		Exterior Lighting Budget Allowance													
			X1 Pole Top ES Type IV Froward Throw	6.00 ea	-	-	-	-	10,800	-	-	-	-	1,800.00	10,800	0.146
			X2 Pole Top	8.00 ea	-	-	-	-	12,800	-	-	-	-	1,600.00	12,800	0.173
			X3 Pole Top	7.00 ea	-	-	-	-	11,200	-	-	-	-	1,600.00	11,200	0.151
			Light Poles	21.00 ea	-	-	-	-	63,000	-	-	-	-	3,000.00	63,000	0.849
			Exterior Lighting Allowance ???	ls												
	16515		Interior Light Fixture Budget Allowance													
			A1 - OS Step Dimming	59.00 ea	-	-	350.00	20,650		-	-	-	-	350.00	20,650	0.278
			A2 Program Start	16.00 ea	-	-	350.00	5,600		-	-	-	-	350.00	5,600	0.076
			B1 -OS	3.00 ea	-	-	350.00	1,050		-	-	-	-	350.00	1,050	0.014
			C1 Rapid Start	22.00 ea	-	-	350.00	7,700		-	-	-	-	350.00	7,700	0.104
			C2	7.00 ea	0.00	0	350.00	2,450	0	-	-	-	-	350.00	2,450	0.033
			D1 - dimmer	51.00 ea	-	-	350.00	17,850		-	-	-	-	350.00	17,850	0.241
			G1	2.00 ea	-	-	350.00	700		-	-	-	-	350.00	700	0.009
			F1 - OS	7.00 ea	-	-	350.00	2,450		-	-	-	-	350.00	2,450	0.033
			J1	18.00 ea	-	-	350.00	6,300		-	-	-	-	350.00	6,300	0.085
			EX1	8.00 ea	-	-	500.00	4,000	0	-	-	-	-	500.00	4,000	0.054
			EX2	2.00 ea	-	-	500.00	1,000	0	-	-	-	-	500.00	1,000	0.013
			K1 -wall sconce	3.00 ea	-	-	350.00	1,050		-	-	-	-	350.00	1,050	0.014

Group	Phase	Location	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Amount	Equip Cost/Unit	Equip Amount	Other Cost/Unit	Other Amount	Total Cost/Unit	Total Amount	Percent of Total
	16515		Interior Light Fixture Budget Allowance													
			a.s switch	7.00 ea					2,170	-	-	-	-	310.00	2,170	0.029
			3K 3 way control key	5.00 ea					2,500	-	-	-	-	500.00	2,500	0.034
			4F 4 way control key	2.00 ea					1,000	-	-	-	-	500.00	1,000	0.013
			3a,b 3 way switch	8.00 ea					2,480	-	-	-	-	310.00	2,480	0.033
			4 way switch	1.00 ea					310	-	-	-	-	310.00	310	0.004
			Typ switch	23.00 ea					7,130	-	-	-	-	310.00	7,130	0.096
			H1	20.00 ea			350.00	7,000		-	-	-	-	350.00	7,000	0.094
			Interior Lighting Allowance ????	1.00 ls						-	-	-	-			
	16816		Security, Video & Audio Budget Allowance													
			Exterior fixed camera	6.00 ea	-	-	-	-	15,000	-	-	-	-	2,500.00	15,000	0.202
			Interior fixed camera	1.00 ea	-	-	-	-	1,800	-	-	-	-	1,800.00	1,800	0.024
			Type 1 wall mounted outlet	15.00 ea	-	-	-	-	5,250	-	-	-	-	350.00	5,250	0.071
			Type 2 wall mounted outlet	9.00 ea	-	-	-	-	3,150	-	-	-	-	350.00	3,150	0.042
			Communications outlet	61.00 ea	-	-	-	-	18,300	-	-	-	-	300.00	18,300	0.247
			Card Reader	15.00 ea	-	-	-	-	27,000	-	-	-	-	1,800.00	27,000	0.364
			Wireless access point	11.00 ea	-	-	-	-	1,650	-	-	-	-	150.00	1,650	0.022
			Door Lock System	15.00 ea	-	-	-	-	5,250	-	-	-	-	350.00	5,250	0.071
			IC Intercom Systems	2.00 ea	-	-	-	-	2,000	-	-	-	-	1,000.00	2,000	0.027
			Wall mounted speakers	4.00 ea	-	-	-	-	2,000	-	-	-	-	500.00	2,000	0.027
			Speaker Attenuator	2.00 ea	-	-	-	-	1,000	-	-	-	-	500.00	1,000	0.013
			S2 Door Access Node Rack	1.00 ea	-	-	-	-	250	-	-	-	-	250.00	250	0.003
			Exacqvision IP Network Recorder Rack Mounted	1.00 ea	-	-	-	-	2,000	-	-	-	-	2,000.00	2,000	0.027
			WC-1	1.00 ea	-	-	-	-	2,000	-	-	-	-	2,000.00	2,000	0.027
			30db Amplifer Mounted on backboard	1.00 ea	-	-	-	-	350	-	-	-	-	350.00	350	0.005
			12 Port Distribution Splitter mounted on backboard	1.00 ea	-	-	-	-	750	-	-	-	-	750.00	750	0.010

Estimate Totals

Description	Amount	Totals	Rate	Cost Basis	Cost per SF	% of Total
Labor	151,457		ch		7.342 /sft	2.04%
Material	1,958,621				94.940 /sft	26.41%
Subcontract	3,672,492				178.017 /sft	49.52%
Equipment	141,895		ch		6.878 /sft	1.91%
Other	70,910				3.437 /sft	0.96%
	<u>5,995,375</u>	5,995,375			<u>290.614 /sft</u>	<u>80.84</u>
NY Sales Tax	39,481		8.000	% C	1.914 /sft	0.53%
	<u>39,481</u>	6,034,856			<u>292.528 /sft</u>	<u>0.53</u>
Permits	30,174		0.500	% T	1.463 /sft	0.41%
	<u>30,174</u>	6,065,030			<u>293.991 /sft</u>	<u>0.41</u>
Overhead	370,832		5.000	% T	17.975 /sft	5.00%
	<u>370,832</u>	6,435,862			<u>311.966 /sft</u>	<u>5.00</u>
Profit	741,664		10.000	% T	35.951 /sft	10.00%
	<u>741,664</u>	7,177,526			<u>347.917 /sft</u>	<u>10.00</u>
Contingency	179,861		3.000	% C	8.718 /sft	2.43%
	<u>179,861</u>	7,357,387			<u>356.635 /sft</u>	<u>2.43</u>
Bond	59,250			B	2.872 /sft	0.80%
	<u>59,250</u>	7,416,637			<u>359.507 /sft</u>	<u>0.80</u>
Total		7,416,637			359.507	=

