

MATERIAL TAKEOFF AND COST ESTIMATE STATEMENT

PROJECT NAME:	ELECTRICAL & LOW VOLTAGE SAMPLE
LOCATION:	



Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOURS	UNIT LABOR	TOTAL LABOR	TOTAL COST	REMARKS	TRADE COST
01. GENERAL CONDITIONS															
INDIRECT PROJECT COSTS															
1		General Liability Insurance	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
2		General Conditions (Backoffice Overhead)	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
DIRECT PROJECT COSTS															
3		Bonding Fee (If required)	1.2	0%	1.2	%	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
4		Access Control (Pipe Scaffolding or Boom/Scissor Lifts)	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
5		Equipment Rental	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
6		Travel, Tools, Gas	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
7		Field Office	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
8		Temp. Facilities	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
9		Temp. Signage and Protection	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
10		Temp. Fencing	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
11		Field Superintendent/Foreman (Full Time)	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
12		Project Manager (Part Time)	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
26. ELECTRICAL															
\$299,052															
WIRES & CONDUITS															
13		#12 Cu THWN	20887.0	5%	21931.4	LF	\$ 0.60	\$ 1,087	0.025	548.28	\$ 55.00	\$ 30,156	\$ 31,242		
14		#10 Cu THWN	4927.0	5%	5173.4	LF	\$ 0.74	\$ 379	0.048	248.32	\$ 55.00	\$ 13,658	\$ 14,037		
15		#10 Meter Wire	22.0	5%	23.1	LF	\$ 1.21	\$ 379	0.098	2.26	\$ 55.00	\$ 125	\$ 504		
16		#8 Cu THWN	908.0	5%	953.4	LF	\$ 0.84	\$ 48	0.055	52.44	\$ 55.00	\$ 2,884	\$ 2,932		
17		#6 Cu THWN	219.0	5%	230.0	LF	\$ 0.93	\$ 48	0.061	14.03	\$ 55.00	\$ 771	\$ 820		
18		#4 Cu THWN	80.0	5%	84.0	LF	\$ 0.95	\$ 80	0.067	5.63	\$ 55.00	\$ 310	\$ 389		
19		#3 Cu THWN	196.0	5%	205.8	LF	\$ 0.99	\$ 204	0.069	14.20	\$ 55.00	\$ 781	\$ 985		
20		#2 Cu THWN	631.0	5%	662.6	LF	\$ 1.00	\$ 663	0.072	47.70	\$ 55.00	\$ 2,624	\$ 3,286		
21		#1 Cu THWN	242.0	5%	254.1	LF	\$ 1.10	\$ 280	0.074	18.80	\$ 55.00	\$ 1,034	\$ 1,314		
22		#2/0 Cu THWN	475.0	5%	498.8	LF	\$ 1.00	\$ 499	0.078	38.90	\$ 55.00	\$ 2,140	\$ 2,638		
23		#3/0 Cu THWN	408.0	5%	428.4	LF	\$ 0.99	\$ 424	0.072	30.84	\$ 55.00	\$ 1,696	\$ 2,121		
24		#4/0 Cu THWN	320.0	5%	336.0	LF	\$ 0.95	\$ 319	0.070	23.52	\$ 55.00	\$ 1,294	\$ 1,613		
25		#250KCMIL Cu	1900.0	5%	1995.0	LF	\$ 6.00	\$ 11,970	0.060	119.70	\$ 55.00	\$ 6,584	\$ 18,554		
26		3/4" EMT Conduit	8599.0	5%	8987.0	LF	\$ 1.64	\$ 14,739	0.063	566.18	\$ 55.00	\$ 31,140	\$ 45,878		
27		3/4" PVC Conduit	85.0	5%	89.3	LF	\$ 1.75	\$ 156	0.065	5.80	\$ 55.00	\$ 319	\$ 475		
28		1" EMT Conduit	5.0	5%	5.3	LF	\$ 1.88	\$ 10	0.072	0.38	\$ 55.00	\$ 21	\$ 31		
29		1-1/2" RGS Conduit	20.0	5%	21.0	LF	\$ 1.72	\$ 36	0.085	1.79	\$ 55.00	\$ 98	\$ 134		
30		1-1/2" EMT Conduit	315.0	5%	330.8	LF	\$ 1.72	\$ 570	0.085	28.11	\$ 55.00	\$ 1,546	\$ 2,116		
31		2" EMT Conduit	86.0	5%	90.3	LF	\$ 3.56	\$ 321	0.095	8.58	\$ 55.00	\$ 472	\$ 793		
32		2-1/2" EMT Conduit	98.0	5%	102.9	LF	\$ 3.99	\$ 411	0.099	10.19	\$ 55.00	\$ 560	\$ 971		
33		2-1/2" PVC Conduit	475.0	5%	498.8	LF	\$ 3.99	\$ 1,990	0.099	49.38	\$ 55.00	\$ 2,716	\$ 4,706		
RECEPTACLES & DISCONNECT SWITCHES															
34		Double Duplex Receptacle	2.0	0%	2.0	EA	\$ 34.56	\$ 69	0.610	1.22	\$ 55.00	\$ 67	\$ 136		
35		Duplex Receptacle	81.0	0%	81.0	EA	\$ 20.00	\$ 1,620	0.560	45.36	\$ 55.00	\$ 2,495	\$ 4,115		
36		GFCI Duplex Receptacle	3.0	0%	3.0	EA	\$ 42.00	\$ 126	0.580	1.74	\$ 55.00	\$ 96	\$ 222		
37		GFCI Special Receptacle	1.0	0%	1.0	EA	\$ 77.00	\$ 77	0.700	0.70	\$ 55.00	\$ 39	\$ 116		
38		IG Duplex Receptacle	5.0	0%	5.0	EA	\$ 20.00	\$ 100	0.560	2.80	\$ 55.00	\$ 154	\$ 254		
39		IG, Tamper Resistant Duplex Receptacle W/2 USB Ports	6.0	0%	6.0	EA	\$ 28.98	\$ 174	0.620	3.72	\$ 55.00	\$ 205	\$ 378		
40		JVP Tamper Resistant Outlet	9.0	0%	9.0	EA	\$ 28.98	\$ 261	0.620	5.58	\$ 55.00	\$ 307	\$ 568		
41		Special Receptacle	8.0	0%	8.0	EA	\$ 77.00	\$ 616	0.700	5.60	\$ 55.00	\$ 308	\$ 924		
42		WP GFCI Duplex Receptacle	9.0	0%	9.0	EA	\$ 58.00	\$ 522	0.680	6.12	\$ 55.00	\$ 337	\$ 859		
43		1P/20A Disconnect Switch	1.0	0%	1.0	EA	\$ 24.56	\$ 25	0.450	0.45	\$ 55.00	\$ 25	\$ 49		
44		1P/20A Fused Disconnect Switch	1.0	0%	1.0	EA	\$ 26.50	\$ 27	0.512	0.51	\$ 55.00	\$ 28	\$ 55		
45		1P/30A Disconnect Switch	1.0	0%	1.0	EA	\$ 28.89	\$ 29	0.514	0.51	\$ 55.00	\$ 28	\$ 57		
46		1P/20A WIP Disconnect Switch	1.0	0%	1.0	EA	\$ 77.00	\$ 38	0.650	0.65	\$ 55.00	\$ 36	\$ 74		
47		3P/20A Fused Disconnect Switch	2.0	0%	2.0	EA	\$ 42.60	\$ 85	0.690	1.38	\$ 55.00	\$ 76	\$ 161		
48		3P/30A Disconnect Switch	2.0	0%	2.0	EA	\$ 48.98	\$ 98	0.780	1.56	\$ 55.00	\$ 86	\$ 184		
49		3P/40A Disconnect Switch	1.0	0%	1.0	EA	\$ 48.98	\$ 49	0.780	0.78	\$ 55.00	\$ 43	\$ 92		
50		3P/80A Disconnect Switch	1.0	0%	1.0	EA	\$ 65.35	\$ 65	0.820	0.82	\$ 55.00	\$ 45	\$ 110		
51		Disconnect Switch Furnished W/Fan, Installed By EC	6.0	0%	6.0	EA	\$ -	\$ -	0.890	5.34	\$ 55.00	\$ 294	\$ 294		
52		Factory Installed Disconnect Switch Wired By EC	4.0	0%	4.0	EA	\$ -	\$ -	0.540	2.16	\$ 55.00	\$ 119	\$ 119		
LIGHTING CONTROLS															
53		Photo Cell	1.0	0%	1.0	EA	\$ 255.65	\$ 256	1.210	1.21	\$ 55.00	\$ 67	\$ 322		
54		Low Voltage Wall Control Station W/Occupancy or Vacancy Sensor	2.0	0%	2.0	EA	\$ 200.00	\$ 400	1.000	2.00	\$ 55.00	\$ 110	\$ 510		
55		Ceiling Mounted, Low Voltage Dual-Technology Occupancy Sensor	2.0	0%	2.0	EA	\$ 200.00	\$ 400	1.000	2.00	\$ 55.00	\$ 110	\$ 510		
56		Digital Timer	1.0	0%	1.0	EA	\$ 178.98	\$ 179	1.320	1.32	\$ 55.00	\$ 73	\$ 252		
57		Fan Switch W/Pilot Light	1.0	0%	1.0	EA	\$ 72.25	\$ 72	0.520	0.52	\$ 55.00	\$ 29	\$ 101		
58		Limit Switch	1.0	0%	1.0	EA	\$ 45.65	\$ 46	0.457	0.46	\$ 55.00	\$ 25	\$ 71		
59		Single Pole Switch	12.0	0%	12.0	EA	\$ 12.00	\$ 144	0.150	1.80	\$ 55.00	\$ 99	\$ 243		
60		Timer Switch	2.0	0%	2.0	EA	\$ 36.65	\$ 73	0.360	0.72	\$ 55.00	\$ 40	\$ 113		
61		Vacancy Sensor Switch	3.0	0%	3.0	EA	\$ 42.00	\$ 126	0.800	2.40	\$ 55.00	\$ 132	\$ 258		
LIGHTING FIXTURES															
62		Monument Sign	1.0	0%	1.0	EA	\$ 85.89	\$ 86	0.980	0.98	\$ 55.00	\$ 54	\$ 140		
63		L105, LED Tape Light, 49' Reel, Standard Output 3000K FSG, Lumini, #LL42-HO-30K-R, 24V, 2VA	38.9	0%	38.9	LF	\$ 165.00	\$ 6,425	1.000	38.94	\$ 55.00	\$ 2,142	\$ 8,567		
64		L106, LED Tape Light, 49' Reel, Wet Rated, Standard Output 3000K, Lumini, #LL42-WET-T-HO-30K-R, 24V, 2VA	4.4	0%	4.4	LF	\$ 165.00	\$ 718	1.000	4.35	\$ 55.00	\$ 239	\$ 957		
65		L107, LED Tape Light, 49' Reel, Standard Output 2700K, Lumini, #LL42-HO-27K-R, 24V, 2VA	124.0	0%	124.0	LF	\$ 165.00	\$ 20,463	1.000	124.02	\$ 55.00	\$ 6,821	\$ 27,284		
66		L108, Mini LED Downlight, 60W Remote Transformer, Juno, #MMD1LG-RD-03LM-27K-80CR-FL-BZ, L602E-60W-120-12AC-WH, 12V, 5VA	13.0	0%	13.0	EA	\$ 145.50	\$ 1,892	1.000	13.00	\$ 55.00	\$ 715	\$ 2,607		
67		L205, 5" Recessed Downlight W/ 13W Max Label, 5" Bronze Trim, Nora, #NHIC-501QAT, 120V, 13VA	14.0	0%	14.0	EA	\$ 125.90	\$ 1,763	1.000	14.00	\$ 55.00	\$ 770	\$ 2,533		
68		L206, 5" Recessed Downlight W/ 13W Max Label, 5" White Trim Baffle, White Trim, Nora, #NHIC-501QAT, 120V, 13VA	31.0	0%	31.0	EA	\$ 125.90	\$ 3,903	1.000	31.00	\$ 55.00	\$ 1,705	\$ 5,608		
69		L231, 4" Low Voltage Recessed Downlight W/ 8W Max Wattage Label, Black Baffle Black Trim, Con-Tech, #LVR16-TH-8, 120/12 V, 8VA	9.0	0%	9.0	EA	\$ 125.90	\$ 1,133	1.000	9.00	\$ 55.00	\$ 495	\$ 1,628		
70		L233T, 10W LED R600 Series, Narrow Flood Optic, Track Mounted Only, Black Finish, Juno, #R605L-27K-80CR-PDM-NFL-BL, 120V, 10VA	25.0	0%	25.0	EA	\$ 125.90	\$ 3,148	1.000	25.00	\$ 55.00	\$ 1,375	\$ 4,523		
71		L238T, 10W LED R600 Series, Spot Optic, Track Mounted Only, Black Finish, Juno, #R605L-27K-80CR-PDM-SR-BL, 120V, 10VA	39.0	0%	39.0	EA	\$ 125.90	\$ 4,910	1.000	39.00	\$ 55.00	\$ 2,145	\$ 7,055		
72		L239, 3" Low Voltage Recessed Downlight W/ 10W Max Label, Fully Adjustable Round Trim Black, Con-Tech, #LVR316-SA-10M, 120/12 V, 10VA	6.0	0%	6.0	EA	\$ 125.90	\$ 755	1.000	6.00	\$ 55.00	\$ 330	\$ 1,085		
73		L244T, 10W LED R600 Series, Wide Flood Optic, Track Mounted Only, Black Finish, Juno, #R605L-27K-80CR-PDM-WFL-BL, 120V, 10VA	20.0	0%	20.0	EA	\$ 125.90	\$ 2,518	1.000	20.00	\$ 55.00	\$ 1,100	\$ 3,618		
74		L250, 6"x11.63" Wall Mounted Fixture, Kuzco, #F0RE-W407306MBGO, 120V, 20VA	2.0	0%	2.0	EA	\$ 125.90	\$ 252	1.000	2.00	\$ 55.00	\$ 110	\$ 362		
75		L305, 2'x4' 6000 Lumens LED Troffer, 4000K, DIMS TO 10%, Lithonia, #2GTL-4-60L-SWL-GZ10-LP840, 120V, 49VA	7.0	0%	7.0	EA	\$ 130.00	\$ 91							

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOURS	UNIT LABOR	TOTAL LABOR	TOTAL COST	REMARKS	TRADE COST
91		LXIX, 81" One Light Pendant Brass Finish Clear Glass Globe, Progress, #F5228-137, 120V, 9VA	8.0	0%	8.0	EA	\$ 165.00	\$ 1,320	1.120	8.96	\$ 55.00	\$ 493	\$ 1,813		
92		LXIX, One Light 16" Dia Galileo Pendant Black Finish 72" Stem, Hi-Lite, #H-FG216-91-S1-72" STEM, 120V, 7VA	7.0	0%	7.0	EA	\$ 165.00	\$ 1,155	1.120	7.84	\$ 55.00	\$ 431	\$ 1,586		
93		T4, 4" Single Circuit Black Track, Joiner, Feed, Juno, #4FT-BL, T23, T38 BL	8.0	0%	8.0	LF	\$ 25.65	\$ 205	0.254	2.03	\$ 55.00	\$ 112	\$ 317		
94		T6, 6" Single Circuit Black Track, Joiner, Feed, Juno, #6FT-BL, T23, T38 BL	352.1	0%	352.1	LF	\$ 28.98	\$ 10,203	0.312	109.85	\$ 55.00	\$ 6,042	\$ 16,245		
POWER DISTRIBUTION															
95		LCP, Lighting Control Panel	1.0	0%	1.0	EA	\$ 800.00	\$ 800	6.000	6.00	\$ 55.00	\$ 330	\$ 1,130		
96		Main Distribution Panel MDP, 1000A MCB, 120/208V, 3-Phase 4-Wired, NEMA 3R	1.0	0%	1.0	EA	\$ 6,500.00	\$ 6,500	12.000	12.00	\$ 55.00	\$ 660	\$ 7,160		
97		Panel C, 225A MLO, 120/208Y, 3-Phase 4-Wired, NEMA 1	1.0	0%	1.0	EA	\$ 1,880.00	\$ 1,880	6.000	6.00	\$ 55.00	\$ 330	\$ 2,210		
98		Panel DH, 100A MLO, 120/208Y, 3-Phase 4-Wired, NEMA 1	1.0	0%	1.0	EA	\$ 750.00	\$ 750	2.500	2.50	\$ 55.00	\$ 138	\$ 888		
99		Panel K1, 400A MLO, 120/208Y, 3-Phase 4-Wired, NEMA 1	1.0	0%	1.0	EA	\$ 2,100.00	\$ 2,100	6.000	6.00	\$ 55.00	\$ 330	\$ 2,430		
100		Panel K2, 225A MLO, 120/208Y, 3-Phase 4-Wired, NEMA 1	1.0	0%	1.0	EA	\$ 1,880.00	\$ 1,880	6.000	6.00	\$ 55.00	\$ 330	\$ 2,210		
101		Panel P, 225A MLO, 120/208Y, 3-Phase 4-Wired, NEMA 1	1.0	0%	1.0	EA	\$ 1,880.00	\$ 1,880	6.000	6.00	\$ 55.00	\$ 330	\$ 2,210		
102		Utility Company Meter & Meter Socket	1.0	0%	1.0	EA	\$ 423.56	\$ 424	1.560	1.56	\$ 55.00	\$ 86	\$ 509		
103		Utility Company Pad Mounted Transformer	1.0	0%	1.0	EA	\$ 5,000.00	\$ 5,000	22.000	22.00	\$ 55.00	\$ 1,210	\$ 6,210		
104		CT Cabinet	1.0	0%	1.0	EA	\$ 326.65	\$ 327	1.100	1.10	\$ 55.00	\$ 61	\$ 387		
CIRCUIT BREAKERS															
105		20A/1P Breaker	155.0	0%	155.0	EA	\$ 24.00	\$ 3,720	0.400	62.00	\$ 55.00	\$ 3,410	\$ 7,130		
106		20A/2P Breaker	10.0	0%	10.0	EA	\$ 28.00	\$ 280	0.500	5.00	\$ 55.00	\$ 275	\$ 555		
107		20A/3P Breaker	7.0	0%	7.0	EA	\$ 32.00	\$ 224	0.600	4.20	\$ 55.00	\$ 231	\$ 455		
108		30A/3P Breaker	4.0	0%	4.0	EA	\$ 36.00	\$ 144	0.600	2.40	\$ 55.00	\$ 132	\$ 276		
109		40A/3P Breaker	1.0	0%	1.0	EA	\$ 41.00	\$ 41	0.600	0.60	\$ 55.00	\$ 33	\$ 74		
110		45A/3P Breaker	1.0	0%	1.0	EA	\$ 44.65	\$ 45	0.680	0.68	\$ 55.00	\$ 37	\$ 82		
111		80A/3P Breaker	1.0	0%	1.0	EA	\$ 98.00	\$ 98	0.890	0.89	\$ 55.00	\$ 49	\$ 147		
112		90A/3P Breaker	3.0	0%	3.0	EA	\$ 100.00	\$ 300	0.990	2.97	\$ 55.00	\$ 163	\$ 463		
113		100A/3P Breaker	1.0	0%	1.0	EA	\$ 110.00	\$ 110	1.100	1.10	\$ 55.00	\$ 61	\$ 171		
114		200A/3P Breaker	2.0	0%	2.0	EA	\$ 182.56	\$ 365	1.320	2.64	\$ 55.00	\$ 145	\$ 510		
115		225A/3P Breaker	1.0	0%	1.0	EA	\$ 196.65	\$ 197	1.450	1.45	\$ 55.00	\$ 80	\$ 276		
116		400A/3P Breaker	1.0	0%	1.0	EA	\$ 290.56	\$ 291	1.520	1.52	\$ 55.00	\$ 84	\$ 374		
117		20A/1P GFCI W/Personnel Protection Breaker	50.0	0%	50.0	EA	\$ 26.00	\$ 1,300	0.400	20.00	\$ 55.00	\$ 1,100	\$ 2,400		
118		20A/1P GFCI W/Equipment Protection Breaker	1.0	0%	1.0	EA	\$ 26.00	\$ 26	0.400	0.40	\$ 55.00	\$ 22	\$ 48		
119		20A/2P GFCI W/Personnel Protection Breaker	5.0	0%	5.0	EA	\$ 29.00	\$ 145	0.500	2.50	\$ 55.00	\$ 138	\$ 283		
120		30A/1P GFCI W/Personnel Protection Breaker	2.0	0%	2.0	EA	\$ 28.00	\$ 56	0.500	1.00	\$ 55.00	\$ 55	\$ 111		
121		30A/2P GFCI W/Personnel Protection Breaker	1.0	0%	1.0	EA	\$ 5.00	\$ 5	0.500	0.50	\$ 55.00	\$ 28	\$ 58		
122		40A/2P GFCI W/Personnel Protection Breaker	4.0	0%	4.0	EA	\$ 38.00	\$ 152	0.600	2.40	\$ 55.00	\$ 132	\$ 284		
123		40A/3P GFCI W/Personnel Protection Breaker	2.0	0%	2.0	EA	\$ 41.00	\$ 82	0.600	1.20	\$ 55.00	\$ 66	\$ 148		
124		100A/3P GFCI W/Personnel Protection Breaker	1.0	0%	1.0	EA	\$ 113.65	\$ 114	1.120	1.12	\$ 55.00	\$ 62	\$ 175		
MISCELLANEOUS															
125		Ground Rod	1.0	0%	1.0	EA	\$ 68.00	\$ 68	0.850	0.85	\$ 55.00	\$ 47	\$ 115		
126		4-Gang Floor Box W/Steel City Bronze Floor Plate	1.0	0%	1.0	EA	\$ 165.85	\$ 166	1.320	1.32	\$ 55.00	\$ 73	\$ 238		
127		Junction Box	58.0	0%	58.0	EA	\$ 75.00	\$ 4,350	0.800	46.40	\$ 55.00	\$ 2,552	\$ 6,902		
128		Junction Box By Others	5.0	0%	5.0	EA	\$ -	\$ -	0.800	4.00	\$ 55.00	\$ 220	\$ 220		
GROUNDING DETAIL															
129		#4 AWG	10.0	5%	10.5	LF	\$ 0.70	\$ 7	0.020	0.21	\$ 55.00	\$ 12	\$ 19		
130		#4 AWG	60.0	5%	63.0	LF	\$ 0.70	\$ 44	0.020	1.26	\$ 55.00	\$ 69	\$ 113		
131		#6 Cu	20.0	5%	21.0	LF	\$ 0.62	\$ 13	0.016	0.34	\$ 55.00	\$ 18	\$ 32		
132		10x3/4" Cu Clad Ground Rod	1.0	0%	1.0	EA	\$ 88.00	\$ 88	0.500	0.50	\$ 55.00	\$ 28	\$ 116		
133		Cadweld Exothermic Connection	4.0	0%	4.0	EA	\$ 55.00	\$ 220	0.500	2.00	\$ 55.00	\$ 110	\$ 330		
134		Concrete Encased Electrode	1.0	0%	1.0	EA	\$ 75.00	\$ 75	0.500	0.50	\$ 55.00	\$ 28	\$ 103		
135		Enclosure Ground	1.0	0%	1.0	EA	\$ 75.00	\$ 75	0.500	0.50	\$ 55.00	\$ 28	\$ 103		
136		Telecom Main Grounding Bar	1.0	0%	1.0	EA	\$ 75.00	\$ 75	0.500	0.50	\$ 55.00	\$ 28	\$ 103		

28. LOW VOLTAGE

\$28,460

WIRING & CONDUITS															
137		2#18 FPLR	196.0	5%	205.8	LF	\$ 0.49	\$ 101	0.049	10.06	\$ 55.00	\$ 553	\$ 654		
138		4#18 FPLR	93.0	5%	97.7	LF	\$ 1.10	\$ 107	0.100	9.77	\$ 55.00	\$ 537	\$ 644		
139		2#16 FPLR	226.0	5%	237.3	LF	\$ 0.46	\$ 109	0.046	10.92	\$ 55.00	\$ 600	\$ 710		
140		3/4" EMT Conduit	88.0	5%	92.4	LF	\$ 1.64	\$ 152	0.063	5.82	\$ 55.00	\$ 320	\$ 472		
141		1/4" Conduit W/Pull String	134.0	0%	140.7	LF	\$ 1.64	\$ 231	0.063	8.86	\$ 55.00	\$ 487	\$ 718		
142		1" EMT Conduit	18.0	5%	18.9	LF	\$ 1.88	\$ 36	0.072	1.36	\$ 55.00	\$ 75	\$ 110		
143		1" Conduit W/Pull String	98.0	5%	102.9	LF	\$ 1.88	\$ 193	0.072	7.41	\$ 55.00	\$ 407	\$ 601		
144		2" EMT Conduit	12.0	5%	12.6	LF	\$ 3.56	\$ 45	0.095	1.20	\$ 55.00	\$ 66	\$ 111		
145		2" Conduit W/Pull String	12.0	5%	12.6	LF	\$ 3.56	\$ 45	0.095	1.20	\$ 55.00	\$ 66	\$ 111		
FIRE ALARM DEVICES															
146		15cd Fire Alarm Speaker/Strobe, Wall Mounted	1.0	0%	1.0	EA	\$ 125.00	\$ 125	0.900	0.90	\$ 55.00	\$ 50	\$ 175		
147		30cd Fire Alarm Speaker/Strobe, Ceiling Mounted	1.0	0%	1.0	EA	\$ 133.00	\$ 133	1.000	1.00	\$ 55.00	\$ 55	\$ 188		
148		30cd Fire Alarm Speaker/Strobe, Wall Mounted	6.0	0%	6.0	EA	\$ 133.00	\$ 798	1.000	6.00	\$ 55.00	\$ 330	\$ 1,128		
149		75cd Fire Alarm Speaker/Strobe, Ceiling Mounted	5.0	0%	5.0	EA	\$ 160.00	\$ 800	1.300	6.50	\$ 55.00	\$ 358	\$ 1,158		
150		110cd Fire Alarm Speaker/Strobe, Ceiling Mounted	4.0	0%	4.0	EA	\$ 185.00	\$ 740	1.500	6.00	\$ 55.00	\$ 330	\$ 1,070		
151		Addressable Carbon Monoxide Detector	6.0	0%	6.0	EA	\$ 75.00	\$ 450	0.800	4.80	\$ 55.00	\$ 264	\$ 714		
152		Addressable Duct Smoke Detector	3.0	0%	3.0	EA	\$ 75.00	\$ 225	0.800	2.40	\$ 55.00	\$ 132	\$ 357		
153		Addressable Heat Detector	1.0	0%	1.0	EA	\$ 250.00	\$ 250	1.800	1.80	\$ 55.00	\$ 99	\$ 349		
154		Addressable Pull Station	4.0	0%	4.0	EA	\$ 150.00	\$ 600	1.000	4.00	\$ 55.00	\$ 220	\$ 820		
155		Evac Remote Microphone W/AHJ, Firelite, #ECC-RH	1.0	0%	1.0	EA	\$ 290.00	\$ 290	1.560	1.56	\$ 55.00	\$ 86	\$ 376		
156		Evac. Firelite, #ECC-SO	1.0	0%	1.0	EA	\$ 321.65	\$ 322	1.635	1.64	\$ 55.00	\$ 90	\$ 412		
157		FACP, Fire Alarm Control Panel, Firelite, #ES-200X	1.0	0%	1.0	EA	\$ 300.00	\$ 300	1.500	1.50	\$ 55.00	\$ 83	\$ 383		
158		Fire Alarm Communicator, Firelite, #HWF2-COM	1.0	0%	1.0	EA	\$ 300.00	\$ 300	1.500	1.50	\$ 55.00	\$ 83	\$ 383		
159		Flow Switch W/Addressable Module	2.0	0%	2.0	EA	\$ 56.65	\$ 113	0.457	0.91	\$ 55.00	\$ 50	\$ 164		
160		House Electric Panel	1.0	0%	1.0	EA	\$ 756.00	\$ 756	3.200	3.20	\$ 55.00	\$ 176	\$ 932		
161		Monitor Module	1.0	0%	1.0	EA	\$ 456.00	\$ 456	2.100	2.10	\$ 55.00	\$ 116	\$ 572		
162		Remote Annunciator, #ANN-80	1.0	0%	1.0	EA	\$ 225.00	\$ 225	2.000	2.00	\$ 55.00	\$ 110	\$ 335		
163		Surge Protector, Ditek, #DTR-120SR	1.0	0%	1.0	EA	\$ 142.90	\$ 143	1.321	1.32	\$ 55.00	\$ 73	\$ 216		
TELECOMMUNICATION															
164		24x34" Plywood Backboard	2.0	0%	2.0	EA	\$ 210.50	\$ 421	1.100	2.20	\$ 55.00	\$ 121	\$ 542		
165		Data Outlet W/ 4-11/16" x 2-1/8" Backbox	20.0	0%	20.0	EA	\$ 75.00	\$ 1,500	0.450	9.00	\$ 55.00	\$ 495	\$ 1,995		
166		Single Gang Box W/(2) Data Outlet W/ 4-11/													