

**BREAKDOWN OF ITEMS**

Prepared for:

Project ID:

Scope: **Electrical**



SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>GENERAL REQUIREMENTS</b>									
1	Permits	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
2	Supervision and Coordination	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
3	Submittals and Shop drawings	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
4	Final Cleaning	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
5	Mobilization Costs	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
6	Temporary Control & Facilities	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
7	Scaffolding	SF	0	0%	0	\$ -	\$ -	\$ -	\$ -
<b>SUBTOTAL \$</b>									-
<b>DEMOLITION</b>									
8	Remove Existing Lighting Fixture	EA	5	0%	5	\$ -	\$ -	\$ -	\$ -
9	Remove Existing Equipment Connection	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
10	Remove Existing Wiring With Conduit	FT	120	0%	120	\$ -	\$ -	\$ -	\$ -
<b>SUBTOTAL \$</b>									-
<b>ELECTRICAL</b>									
<b>Distribution</b>									
<b>Conduit</b>									
11	1" EMT Conduit	FT	12	10%	13	\$ -	\$ -	\$ -	\$ -
12	1-1/2" EMT Conduit	FT	60	10%	66	\$ -	\$ -	\$ -	\$ -
13	1-1/4" EMT Conduit	FT	124	10%	136	\$ -	\$ -	\$ -	\$ -
<b>Conduit Stubs</b>									
14	1" EMT Conduit Stub	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
15	1-1/2" EMT Conduit Stub	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
16	1-1/4" EMT Conduit Stub	EA	12	0%	12	\$ -	\$ -	\$ -	\$ -
<b>Conductor</b>									
17	#8 CU THHN/THWN	FT	137	10%	151	\$ -	\$ -	\$ -	\$ -
18	#6 CU THHN/THWN	FT	60	10%	66	\$ -	\$ -	\$ -	\$ -
19	#4 CU THHN/THWN	FT	36	10%	40	\$ -	\$ -	\$ -	\$ -
20	#3 CU THHN/THWN	FT	497.6	10%	547	\$ -	\$ -	\$ -	\$ -
21	#1/0 CU THHN/THWN	FT	240	10%	264	\$ -	\$ -	\$ -	\$ -
<b>Lugs</b>									
22	Compression Lugs CU With 1-Hole, #8 CU Wire	EA	8	10%	9	\$ -	\$ -	\$ -	\$ -
	Heat Shrink Tubing For #8 CU Wire	EA	8	10%	9	\$ -	\$ -	\$ -	\$ -
23	Compression Lug CU With 1-Hole, #6 CU Wire	EA	4	10%	4	\$ -	\$ -	\$ -	\$ -
	Heat Shrink Tubing for #6 CU Wire	EA	4	10%	4	\$ -	\$ -	\$ -	\$ -
24	Compression Lug CU With 1-Hole, #4 CU Wire	EA	2	10%	2	\$ -	\$ -	\$ -	\$ -
	Heat Shrink Tubing for #4 CU Wire	EA	2	10%	2	\$ -	\$ -	\$ -	\$ -
25	Compression Lugs CU With 1-Hole, #3 CU Wire	EA	18	10%	20	\$ -	\$ -	\$ -	\$ -
	Heat Shrink Tubing For #3 CU Wire	EA	18	10%	20	\$ -	\$ -	\$ -	\$ -
26	Compression Lug CU With 1-Hole, #1/0 CU Wire	EA	26	10%	29	\$ -	\$ -	\$ -	\$ -
	Heat Shrink Tubing for #1/0 CU Wire	EA	26	10%	29	\$ -	\$ -	\$ -	\$ -
<b>Circuit Breaker</b>									
27	3P/70A Breaker In Panel LP5	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
28	3P/100A Breaker In Panel PP7	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
29	3P/150AT/150AF	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
<b>Panel</b>									
30	Panel A: 225A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 42 Poles, Surface Mounted	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
31	Panel B: 225A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 42 Poles, Surface Mounted	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
32	Panel C: 200A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 42 Poles, Surface Mounted	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
33	Panel D: 200A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 42 Poles, Surface Mounted	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
34	Panel E: 150A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 30 Poles, Surface Mounted	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
35	Panel MDP: 1000A, 120/208V, 3Ph, 4W, Mains: MCB, 22KAIC, 15 Poles, Surface Mounted	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
<b>Devices</b>									
36	Utility Meter	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
37	Utility Transformer Pad	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Transformer Pad	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
38	400A ATS	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
39	Diesel Generator	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
<b>Disconnect Switch</b>									
40	2P/30A Fused Disconnect Switch	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
41	3P/50A Fused Disconnect Switch	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
42	3P/60A Fused Disconnect Switch	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -

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43	3P/1000A Fused Service Disconnect Switch N3R	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	<b>Grounding</b>								
44	5/8" x 10' CU Clad Ground Rod	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
45	Main Ground Bus Bar	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
46	#6 CU Grounding Conductor	FT	100	10%	110	\$ -	\$ -	\$ -	\$ -
47	#3/0 CU Grounding Conductor	FT	40	10%	44	\$ -	\$ -	\$ -	\$ -
	<b>Power</b>								
	<b>Conduit</b>								
48	3/4" EMT Conduit	FT	5142	10%	5656	\$ -	\$ -	\$ -	\$ -
49	1" EMT Conduit	FT	415	10%	457	\$ -	\$ -	\$ -	\$ -
50	3/4" PVC SCH 40 Conduit	FT	18	10%	20	\$ -	\$ -	\$ -	\$ -
51	3/4" RGS Conduit	FT	65	10%	72	\$ -	\$ -	\$ -	\$ -
52	1" RGS Conduit	FT	50	10%	55	\$ -	\$ -	\$ -	\$ -
53	3/4" Liquid Tight Flexible Conduit	FT	85	10%	94	\$ -	\$ -	\$ -	\$ -
	<b>Conductor</b>								
54	#12 CU THHN/THWN	FT	13755	10%	15131	\$ -	\$ -	\$ -	\$ -
55	#10 CU THHN/THWN	FT	2248	10%	2473	\$ -	\$ -	\$ -	\$ -
56	#8 CU THHN/THWN	FT	993	10%	1092	\$ -	\$ -	\$ -	\$ -
57	#6 CU THHN/THWN	FT	532	10%	585	\$ -	\$ -	\$ -	\$ -
	<b>Device</b>								
58	Duplex Receptacle	EA	45	0%	45	\$ -	\$ -	\$ -	\$ -
59	Duplex Receptacle, Floor Mounted	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
60	Duplex Receptacle, GFCI	EA	26	0%	26	\$ -	\$ -	\$ -	\$ -
61	Equipment Connection	EA	16	0%	16	\$ -	\$ -	\$ -	\$ -
62	Motor Connection	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
63	Quad Receptacle	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
64	Single Pole Switch	EA	19	0%	19	\$ -	\$ -	\$ -	\$ -
	<b>Site Lighting</b>								
	<b>Conduit</b>								
65	1" EMT Conduit	FT	507	10%	558	\$ -	\$ -	\$ -	\$ -
66	1" PVC SCH 40 Conduit	FT	361	10%	398	\$ -	\$ -	\$ -	\$ -
	<b>Conductor</b>								
67	#10 CU THHN/THWN	FT	868	10%	955	\$ -	\$ -	\$ -	\$ -
68	#8 CU THHN/THWN	FT	1736	10%	1910	\$ -	\$ -	\$ -	\$ -
	<b>Lighting Fixtures</b>								
69	Exterior Wall Scone Light	EA	16	0%	16	\$ -	\$ -	\$ -	\$ -
70	Pole Mounted Light, Single Head	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
	30' Square Steel Pole	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
	Concrete Base	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
	<b>Lighting</b>								
	<b>Conduit</b>								
71	3/4" EMT Conduit	FT	4977	10%	5475	\$ -	\$ -	\$ -	\$ -
72	1" EMT Conduit	FT	1100	10%	1210	\$ -	\$ -	\$ -	\$ -
73	3/4" PVC SCH 40 Conduit	FT	255	10%	281	\$ -	\$ -	\$ -	\$ -
	<b>Conductor</b>								
74	3#12 MC Cable	FT	2531	10%	2784	\$ -	\$ -	\$ -	\$ -
75	3#10 MC Cable	FT	830	10%	913	\$ -	\$ -	\$ -	\$ -
76	#12 CU THHN/THWN	FT	9909	10%	10900	\$ -	\$ -	\$ -	\$ -
77	#10 CU THHN/THWN	FT	5024	10%	5526	\$ -	\$ -	\$ -	\$ -
	<b>Lighting Fixtures</b>								
78	2 x 4 Recessed Emergency Light	EA	42	0%	42	\$ -	\$ -	\$ -	\$ -
79	2 x 4 Recessed Emergency Light For Tenant Space	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
80	2 x 4 Recessed Light	EA	102	0%	102	\$ -	\$ -	\$ -	\$ -
81	2 x 4 Recessed Light For Tenant Space	EA	13	0%	13	\$ -	\$ -	\$ -	\$ -
82	Elevator Pit Light	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
83	Exit Light	EA	20	0%	20	\$ -	\$ -	\$ -	\$ -
84	Lobby Recessed Light	EA	5	0%	5	\$ -	\$ -	\$ -	\$ -
85	Pendant Light	EA	7	0%	7	\$ -	\$ -	\$ -	\$ -
86	Wall Mounted Light	EA	12	0%	12	\$ -	\$ -	\$ -	\$ -
87	2X2 Chain Hanger Type Light Fixture	EA	15	0%	15	\$ -	\$ -	\$ -	\$ -
88	2X4 Chain Hanger Type Emergency Light	EA	10	0%	10	\$ -	\$ -	\$ -	\$ -
89	2X4 Chain Hanger Type Light Fixture	EA	58	0%	58	\$ -	\$ -	\$ -	\$ -
90	6" Recessed Downlight	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
91	Emergency Stair Light	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
	<b>Lighting Control</b>								
92	3 Way Switch	EA	12	0%	12	\$ -	\$ -	\$ -	\$ -
93	Dimmer Switch	EA	44	0%	44	\$ -	\$ -	\$ -	\$ -
94	Occupancy Sensor	EA	46	0%	46	\$ -	\$ -	\$ -	\$ -
95	Single Pole Switch	EA	31	0%	31	\$ -	\$ -	\$ -	\$ -
96	Photocell	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
97	Time Clock	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -

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<b>Miscellaneous</b>									
98	Junction Box	EA	15	0%	15	\$ -	\$ -	\$ -	\$ -
99	Pull Box	EA	10	0%	10	\$ -	\$ -	\$ -	\$ -
<b>Fire Stopping</b>									
100	Caulking Sealant	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
<b>Saw Cut</b>									
101	Saw Cut & Repair Concrete Floor For Conduit Installation	FT	18	0%	18	\$ -	\$ -	\$ -	\$ -
<b>Trenching &amp; Backfilling</b>									
102	Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labour and Material/Equipment	CFT	780	0%	780	\$ -	\$ -	\$ -	\$ -

**SUBTOTAL \$ -**

							PROJECTED COST			
							0.15	0.15	15%	\$0
<b>ERHEAD AND PROFIT</b>										
<b>INSURANCE</b>							0	0	0%	\$0
<b>CONTINGENCY</b>							0	0	0%	\$0
<b>TAX</b>							0	0	0%	\$0
<b>SUGGESTED BID</b>										\$0

**Note:**

1. Please verify the equipment's and their prices with owner.
2. For tree plantation average prices are use. Please verify according to tree type.
3. Online sources are used for pricing.
4. Prices can vary depending upon field conditions.

