

Building Data Summary	
Project Name:	NED- JEFERSON
Location:	
Scope of Work:	ELECTRICAL
Date:	
Project ID	
Note:	

Item #	Deg	Detail	Item Description	Unit	QTY.	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
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**DIVISION 26 - ELECTRICAL**

WIRING SYSTEM													
1	E2.0-E5.1		Provide new #10 electrical wire.	LF	10120	10%	11132	\$ 0.50	\$ 5,566.00	\$ 0.50	\$ 5,566.00	\$ 11,132.00	
2	E3.3-E5.1		Provide new #10G ground wire.	LF	4395	10%	4835	\$ 0.50	\$ 2,417.25	\$ 0.50	\$ 2,417.25	\$ 4,834.50	
3	E4.0-E4.1		Provide new #6 electrical wire.	LF	1360	10%	1496	\$ 1.00	\$ 1,496.00	\$ 1.00	\$ 1,496.00	\$ 2,992.00	
4	E4.0-E4.1		Provide new #10G ground wire.	LF	680	10%	748	\$ 0.50	\$ 374.00	\$ 0.50	\$ 374.00	\$ 748.00	
5	E1.0-E3.1		Provide new #4/0 electrical wire.	LF	3300	10%	3630	\$ 5.00	\$ 18,150.00	\$ 6.00	\$ 21,780.00	\$ 39,930.00	
6	E1.0		Provide new #1/0G ground wire.	LF	690	10%	759	\$ 0.50	\$ 379.50	\$ 0.50	\$ 379.50	\$ 759.00	
7	E1.0-E3.0	Keynote# 17	Provide new #8 electrical wire.	LF	4540	10%	4994	\$ 0.65	\$ 3,246.10	\$ 0.65	\$ 3,246.10	\$ 6,492.20	
8	E1.0-E3.0	Keynote# 17	Provide new #8G ground wire.	LF	1670	10%	1837	\$ 0.65	\$ 1,194.05	\$ 0.65	\$ 1,194.05	\$ 2,388.10	
9	E1.0-E3.0		Provide new #350 MCM electrical wire.	LF	960	10%	1056	\$ 4.00	\$ 4,224.00	\$ 8.00	\$ 8,448.00	\$ 12,672.00	
10	E3.0		Provide new #1G ground wire.	LF	100	10%	110	\$ 3.00	\$ 330.00	\$ 5.00	\$ 550.00	\$ 880.00	
11	E3.1		Provide new #1 electrical wire.	LF	280	10%	308	\$ 3.00	\$ 924.00	\$ 5.00	\$ 1,540.00	\$ 2,464.00	
12	E3.1		Provide new #4G ground wire.	LF	70	10%	77	\$ 1.50	\$ 115.50	\$ 1.50	\$ 115.50	\$ 231.00	
13	E3.1		Provide new #2G ground wire.	LF	25	10%	28	\$ 2.00	\$ 55.00	\$ 4.00	\$ 110.00	\$ 165.00	
14	E3.1		Provide new #2G isolated ground.	LF	25	10%	28	\$ 2.00	\$ 55.00	\$ 4.00	\$ 110.00	\$ 165.00	
15	E10		Provide new #1/0 electrical wire.	LF	1000	10%	1100	\$ 4.00	\$ 4,400.00	\$ 5.00	\$ 5,500.00	\$ 9,900.00	
16	E1.0		Provide new #4G ground wire.	LF	250	10%	275	\$ 1.50	\$ 412.50	\$ 1.50	\$ 412.50	\$ 825.00	
17	E3.3		Provide new #6 electrical wire.	LF	2925	10%	3218	\$ 1.00	\$ 3,217.50	\$ 1.00	\$ 3,217.50	\$ 6,435.00	
18	E3.3		Provide new #8G ground wire.	LF	15	10%	17	\$ 0.65	\$ 10.73	\$ 0.65	\$ 10.73	\$ 21.45	
19	E4.0		Provide new #10G ground wire.	LF	910	10%	1001	\$ 0.50	\$ 500.50	\$ 0.50	\$ 500.50	\$ 1,001.00	
20	E7.0		Provide new #1/4 fplp fire alarm wiring.	LF	200	10%	220	\$ 0.45	\$ 99.00	\$ 0.45	\$ 99.00	\$ 198.00	
21	E1.0-E4.1	Keynote# 5,13	Provide new #10 electrical wire.	LF	8500	10%	9350	\$ 0.50	\$ 4,675.00	\$ 0.50	\$ 4,675.00	\$ 9,350.00	
22	E1.0-E4.1	Keynote# 5,13	Provide new #10G ground wire.	LF	5900	10%	6490	\$ 0.50	\$ 3,245.00	\$ 0.50	\$ 3,245.00	\$ 6,490.00	
23	E2.0-E4.1		Provide new #12 electrical wire.	LF	9000	10%	9900	\$ 0.48	\$ 4,752.00	\$ 0.48	\$ 4,752.00	\$ 9,504.00	
24	E2.0-E4.1		Provide new #12G ground wire.	LF	4500	10%	4950	\$ 0.48	\$ 2,376.00	\$ 0.48	\$ 2,376.00	\$ 4,752.00	
25	E3.1		Provide new #4/0 electrical wire.	LF	120	10%	132	\$ 5.00	\$ 660.00	\$ 6.00	\$ 792.00	\$ 1,452.00	
26	E3.1		Provide new #4G ground wire.	LF	30	10%	33	\$ 1.50	\$ 49.50	\$ 1.50	\$ 49.50	\$ 99.00	
27	E3.1		Provide new #1 electrical wire.	LF	90	10%	99	\$ 3.00	\$ 297.00	\$ 5.00	\$ 495.00	\$ 792.00	
28	E3.1		Provide new #6G ground wire.	LF	30	10%	33	\$ 1.00	\$ 33.00	\$ 1.00	\$ 33.00	\$ 66.00	
29	E3.1		Provide new #4 electrical wire.	LF	420	10%	462	\$ 1.50	\$ 693.00	\$ 1.50	\$ 693.00	\$ 1,386.00	
30	E3.1		Provide new #8G ground wire.	LF	140	10%	154	\$ 0.65	\$ 100.10	\$ 0.65	\$ 100.10	\$ 200.20	
31	E3.1-E3.4		Provide new #1 electrical wire.	LF	1000	10%	1100	\$ 3.00	\$ 3,300.00	\$ 5.00	\$ 5,500.00	\$ 8,800.00	
32	E3.1-E3.4		Provide new #6G ground wire.	LF	250	10%	275	\$ 1.00	\$ 275.00	\$ 1.00	\$ 275.00	\$ 550.00	
RACEWAYS, BOXES, FITTINGS AND ACCESSORIES													
33	E3.0	Keynote# 6	Provide new weatherproof junction box with 20A, 1-pole maintenance switch.	EA	1	10%	1	\$ 45.00	\$ 45.00	\$ 95.00	\$ 104.50	\$ 154.00	
34	E3.0	Keynote# 12	Provide new recessed junction box. - Manu: LEGRAND. - Model: EFSB2.	EA	1	10%	1	\$ 225.00	\$ 247.50	\$ 130.00	\$ 143.00	\$ 390.50	
35	E3.0	Keynote# 12	Provide 1" conduit with pull wire.	LF	300	10%	330	\$ 2.00	\$ 660.00	\$ 6.00	\$ 1,980.00	\$ 2,640.00	
36	E3.0-E3.1		Provide new new 4" square, 1-gang junction box.	EA	29	10%	32	\$ 55.00	\$ 1,754.50	\$ 75.00	\$ 2,392.50	\$ 4,147.00	
37	E3.0	Keynote# 36	Provide new junction box with 20A, 1-pole maintenance switch.	EA	2	10%	2	\$ 65.00	\$ 143.00	\$ 80.00	\$ 176.00	\$ 319.00	
38	E1.0	Keynote# 11	Provide new weatherproof 12X12X12 junction box. Provide 10' of coil wire with in the box.	EA	1	10%	1	\$ 75.00	\$ 82.50	\$ 120.00	\$ 132.00	\$ 214.50	
39	E1.0	Keynote# 12	Provide new weatherproof junction box.	EA	1	10%	1	\$ 55.00	\$ 60.50	\$ 85.00	\$ 93.50	\$ 154.00	
40	E1.0	Keynote# 18	Provide new pull box.	EA	1	10%	1	\$ 65.00	\$ 71.50	\$ 85.00	\$ 93.50	\$ 165.00	
41	E3.0-E4.0	Keynote# 7	Provide new junction box.	EA	13	10%	14	\$ 35.00	\$ 500.50	\$ 65.00	\$ 929.50	\$ 1,430.00	
42	E7.0		Provide new 4" square box.	EA	6	10%	7	\$ 40.00	\$ 264.00	\$ 70.00	\$ 462.00	\$ 726.00	
43	E1.0	Keynote# 3	Provide new 4" underground conduit with pull wire.	LF	420	10%	462	\$ 3.00	\$ 1,386.00	\$ 15.00	\$ 6,930.00	\$ 8,316.00	
44	E1.0	Keynote# 3	Provide new 4" conduit with pull wire.	LF	360	10%	396	\$ 3.00	\$ 1,188.00	\$ 15.00	\$ 5,940.00	\$ 7,128.00	
45	E1.0		Cap 4" conduit.	EA	3	10%	3	\$ 15.00	\$ 45.00	\$ 35.00	\$ 115.50	\$ 165.00	
46	E1.0	Keynote# 21,25	Provide new 1-1/4" underground conduit.	LF	2170	10%	2387	\$ 2.00	\$ 4,774.00	\$ 12.00	\$ 28,644.00	\$ 33,418.00	
47	E7.0	Keynote# 5	Provide new 1" conduit with pull wire.	LF	50	10%	55	\$ 1.50	\$ 82.50	\$ 10.00	\$ 550.00	\$ 632.50	
48	E2.0-E5.1		Provide new 3/4" conduit for electrical wiring.	LF	5935	10%	6529	\$ 1.00	\$ 6,528.50	\$ 8.00	\$ 52,228.00	\$ 58,756.50	
49	E3.0-E4.1		Provide new 1" conduit for electrical wiring.	LF	2690	10%	2959	\$ 1.50	\$ 4,438.50	\$ 10.00	\$ 29,590.00	\$ 34,028.50	
50	E1.0		Provide new 3" underground conduit for electrical wiring.	LF	580	10%	638	\$ 2.50	\$ 1,595.00	\$ 15.00	\$ 9,570.00	\$ 11,165.00	
51	E1.0	Keynote# 5,13	Provide new 1" underground conduit for electrical wiring.	LF	1930	10%	2123	\$ 3.00	\$ 6,369.00	\$ 10.00	\$ 21,230.00	\$ 27,599.00	
52	E3.0		Provide new 3-1/2" underground conduit for electrical wiring.	LF	240	10%	264	\$ 3.00	\$ 792.00	\$ 15.00	\$ 4,092.00	\$ 4,884.00	
53	E1.0		Provide new 2" underground conduit for electrical wiring.	LF	250	10%	275	\$ 2.00	\$ 550.00	\$ 12.00	\$ 3,300.00	\$ 3,850.00	
54	E3.1		Provide new 2" conduit for electrical wiring.	LF	490	10%	539	\$ 2.00	\$ 1,078.00	\$ 12.50	\$ 6,737.50	\$ 7,815.50	
55	E3.1		Provide new 2-1/2" conduit for electrical wiring.	LF	55	10%	61	\$ 2.50	\$ 151.25	\$ 13.00	\$ 786.50	\$ 937.75	
56	E3.3		Provide new 1-1/4" conduit for electrical wiring.	LF	15	10%	17	\$ 2.00	\$ 33.00	\$ 12.00	\$ 198.00	\$ 231.00	
57	E4.0		Provide new 3" conduit for electrical wiring.	LF	220	10%	242	\$ 3.00	\$ 726.00	\$ 15.00	\$ 3,630.00	\$ 4,356.00	
58	E7.0		Provide new 3/4" conduit for fire alarm wiring.	LF	200	10%	220	\$ 1.00	\$ 220.00	\$ 8.00	\$ 1,760.00	\$ 1,980.00	
59	E2.0-E4.1		Provide new 1/2" conduit for electrical wiring.	LF	4500	10%	4950	\$ 0.75	\$ 3,712.50	\$ 7.00	\$ 34,650.00	\$ 38,362.50	
GROUNDING AND BONDING													
60	E3.1		Provide new ground bus with 12 lugs.	EA	1	0%	1	\$ 65.00	\$ 65.00	\$ 95.00	\$ 95.00	\$ 160.00	
61	E3.1		Provide new #6G ground wire.	LF	20	0%	20	\$ 1.00	\$ 20.00	\$ 1.00	\$ 20.00	\$ 40.00	
62	E5.0		Provide new #2CU ground wire in 3/4" conduit.	LF	30	0%	30	\$ 1.00	\$ 30.00	\$ 1.00	\$ 30.00	\$ 60.00	
63	E5.0		Provide new #1G ground wire.	LF	20	0%	20	\$ 3.00	\$ 60.00	\$ 5.00	\$ 100.00	\$ 160.00	
64	E3.2-E5.0	Keynote# 43	Provide new #4G ground wire.	LF	90	0%	90	\$ 1.50	\$ 135.00	\$ 1.50	\$ 135.00	\$ 270.00	
65	E1.1		Provide new 3/4"x8" long ground rod.	EA	11	0%	11	\$ 85.00	\$ 935.00	\$ 90.00	\$ 990.00	\$ 1,925.00	
66	E3.2		Provide new 3/4"x20" copper clad ground rods.	EA	2	0%	2	\$ 120.00	\$ 240.00	\$ 130.00	\$ 260.00	\$ 500.00	
67	E5.0	Keynote# 43	Provide new 3/4" x 10' copper clad ground rod.	EA	10	0%	10	\$ 100.00	\$ 1,000.00	\$ 110.00	\$ 1,100.00	\$ 2,100.00	
68	E3.2		Provide new inter system grounding bridge. - Manu: ARLINGTON. - Model: GBB5250.	EA	1	0%	1	\$ 35.00	\$ 35.00	\$ 45.00	\$ 45.00	\$ 80.00	
SERVICE ENTRANCE EQUIPMENT													
69	E1.0		Provide new pedestal mounted meter.	EA	1	0%	1	\$ 800.00	\$ 800.00	\$ 300.00	\$ 300.00	\$ 1,100.00	
70	E1.0		Provide new pedestal mounted CT cabinet.	EA	1	0%	1	\$ 900.00	\$ 900.00	\$ 400.00	\$ 400.00	\$ 1,300.00	
PANELBOARDS													
71	E1.0	Keynote# 9	Provide new 277/480V, 100A, 3-Phase, 4 wire portable generator docking station. - Manu: TRYSTAR. - Model: GDS-01-S-W-L-M.	EA	1	0%	1	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00	\$ 4,000.00	
72	E3.0		Provide new 120/208V, 225A, 3-Phase, 4 wire electrical panelboard S. - Manu: SQUARE "D".	EA	1	0%	1	\$ 1,200.00	\$ 1,200.00	\$ 800.00	\$ 800.00	\$ 2,000.00	
73	E3.1		Provide new 277/480V, 125A, 3-Phase, 4 wire electrical panelboard HG.	EA	1	0%	1	\$ 1,000.00	\$ 1,000.00	\$ 700.00	\$ 700.00	\$ 1,700.00	
74	E3.1		Provide new 120/208V, 225A, 3-Phase, 4 wire electrical panelboard LG.	EA	1	0%	1	\$ 1,200.00	\$ 1,200.00	\$ 800.00	\$ 800.00	\$ 2,000.00	
75	E3.0	Keynote# 28	Provide new fume-A-vent control panel.	EA	1	0%	1	\$ 300.00	\$ 300.00	\$ 150.00	\$ 150.00	\$ 450.00	
76	E3.1		Provide new 120/208V, 225A, 3-Phase, 4 wire electrical panelboard L. - Manu: SQUARE "D".	EA	1	0%	1	\$ 1,200.00	\$ 1,200.00	\$ 800.00	\$ 800.00	\$ 2,000.00	
77	E3.1		Provide new 277/480V, 600A, 3-Phase, 4 wire main distribution board MDP. - Manu: SQUARE "D".	EA	1	0%	1	\$ 5,000.00	\$ 5,000.00	\$ 2,000.00	\$ 2,000.00	\$ 7,000.00	
78	E3.1		Provide new 277/480V, 250A, 3-Phase, 4 wire electrical panelboard H. - Manu: SQUARE "D".	EA	1	0%	1	\$ 1,500.00	\$ 1,500.00	\$ 800.00	\$ 800.00	\$ 2,300.00	
79	E3.1		Provide new 277/480V, 250A, 3-Phase, 4 wire electrical panelboard H1. - Manu: SQUARE "D".	EA	1	0%	1	\$ 1,500.00	\$ 1,500.00	\$ 800.00	\$ 800.00	\$ 2,300.00	
80	E3.1		Provide new 277/480V, 100A, 3-pole, 4 wire manual transfer switch. - Manu: SQUARE D. - Model: DT363.	EA	1	0%	1	\$ 1,500.00	\$ 1,500.00	\$ 800.00	\$ 800.00	\$ 2,300.00	
81	E3.3		Provide new 120/208V, 100A, 3-Phase, 4 wire electrical panelboard LP. - Manu: SQUARE "D".	EA	1	0%	1	\$ 800.00	\$ 800.00	\$ 600.00	\$ 600.00	\$ 1,400.00	

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82	E3.3		Provide new 277/480V, 100A, 3-Phase, 4 wire electrical panelboard HP. -Manu: SQUARE "D".	EA	1	0%	1	\$ 800.00	\$ 800.00	\$ 600.00	\$ 600.00	\$ 1,400.00	
83	E3.4		Provide new 277/480V, 400A, 3-Phase, 4 wire electrical panelboard HW. -Manu: SQUARE "D".	EA	1	0%	1	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00	\$ 4,000.00	
84	E3.4		Provide new 120/208V, 100A, 3-Phase, 4 wire electrical panelboard LW. -Manu: SQUARE "D".	EA	1	0%	1	\$ 800.00	\$ 800.00	\$ 600.00	\$ 600.00	\$ 1,400.00	
85	E3.4		Provide new panelboard A. -Rating to be verify in field.	EA	1	0%	1	\$ 900.00	\$ 900.00	\$ 650.00	\$ 650.00	\$ 1,550.00	
86	E3.3		Provide new jockey pump controller.	EA	1	0%	1	\$ 1,500.00	\$ 1,500.00	\$ 800.00	\$ 800.00	\$ 2,300.00	
87	E3.3		Provide new fire ump controller.	EA	1	0%	1	\$ 4,000.00	\$ 4,000.00	\$ 1,500.00	\$ 1,500.00	\$ 5,500.00	
<b>LIGHTING CONTROL DEVICES</b>													
88	E3.1		Provide new 120/208V lighting control panel LCP. -Manu: ILC-LIGHT. -Model: ILC-AP3-08-AP3R-1-8.	EA	1	0%	1	\$ 1,500.00	\$ 1,500.00	\$ 390.00	\$ 390.00	\$ 1,890.00	
89	E2.0-E2.1	Keynote# 3	Provide new wall mounted 120-277V line voltage dual technology vacancy sensor with timer and override switch. -Manu: SENSOR SWITCH. -Model: WSXPDT-SA-CBA.	EA	5	0%	5	\$ 150.00	\$ 750.00	\$ 100.00	\$ 500.00	\$ 1,250.00	
90	E2.0-E2.1	Keynote# 3	Provide new dimmer switch. -Manu: SENSOR SWITCH. -Model: WSXPDT-SA-CBA.	EA	9	0%	9	\$ 150.00	\$ 1,350.00	\$ 100.00	\$ 900.00	\$ 2,250.00	
91	E2.0-E2.1		Provide new control station. VIF	EA	2	0%	2	\$ 25.00	\$ 50.00	\$ 55.00	\$ 110.00	\$ 160.00	
92	E2.0	Keynote# 15	Provide new photocell. -Model: ILC-CAT-NO-LSPS-C4-P.	EA	3	0%	3	\$ 150.00	\$ 450.00	\$ 150.00	\$ 450.00	\$ 900.00	
93	E3.3-E3.4		Provide new photocell controller card.	EA	1	0%	1	\$ 200.00	\$ 200.00	\$ 75.00	\$ 75.00	\$ 275.00	
94	E2.2		Provide new 4-button override switch. -Model: LS-63-4.	EA	5	0%	5	\$ 50.00	\$ 250.00	\$ 75.00	\$ 375.00	\$ 625.00	
95	E2.0-E3.3		Provide new single pole toggle switch.	EA	3	0%	3	\$ 25.00	\$ 75.00	\$ 55.00	\$ 165.00	\$ 240.00	
96	E2.1		Provide new wall mounted 120-277V line voltage dual technology occupancy sensor. -Manu: SENSOR SWITCH. -Model: NCMPTD-9-RJ45.	EA	2	0%	2	\$ 200.00	\$ 400.00	\$ 120.00	\$ 240.00	\$ 640.00	
97	E2.1		Provide new power pack. -Manu: SENSOR SWITCH. -Model: NPP16-SA.	EA	1	0%	1	\$ 100.00	\$ 100.00	\$ 110.00	\$ 110.00	\$ 210.00	
98	E2.1		Provide new wall switch. -Manu: SENSOR SWITCH. -Model: NPODM-CBA.	EA	1	0%	1	\$ 75.00	\$ 75.00	\$ 85.00	\$ 85.00	\$ 160.00	
99	E5.0		Provide new lighting contactor.	EA	8	0%	8	\$ 100.00	\$ 800.00	\$ 120.00	\$ 960.00	\$ 1,760.00	
<b>ENCLOSED SWITCHES AND CIRCUIT BREAKERS</b>													
100	E5.0	Keynote# 31	Provide new 240V, 200A/150A, 3-Phase fused disconnect switch.	EA	1	0%	1	\$ 700.00	\$ 700.00	\$ 800.00	\$ 800.00	\$ 1,500.00	
101	E5.0		Provide new 240V, 100A/100A, 3-pole, 4 wire, NEMA 3R fused disconnect switch.	EA	1	0%	1	\$ 400.00	\$ 400.00	\$ 600.00	\$ 600.00	\$ 1,000.00	
102	E1.0	Keynote# 15	Provide new 277/480V, 600A 3phase main service disconnect switch.	EA	1	0%	1	\$ 2,500.00	\$ 2,500.00	\$ 1,200.00	\$ 1,200.00	\$ 3,700.00	
103	E3.0	Keynote# 16	Provide new 600V, 30A, 3-pole, NEMA 1 non-fused disconnect switch.	EA	1	0%	1	\$ 100.00	\$ 100.00	\$ 90.00	\$ 90.00	\$ 190.00	
104	E3.0	Keynote# 30	Provide new 600A, 30A, 3-pole NEMA1 heavy duty fused disconnect switch.	EA	1	0%	1	\$ 250.00	\$ 250.00	\$ 120.00	\$ 120.00	\$ 370.00	
105	E3.0	Keynote# 9	Provide new 600V, 30A, 3-pole NEMA 3R fused disconnect switch.	EA	1	0%	1	\$ 300.00	\$ 300.00	\$ 150.00	\$ 150.00	\$ 450.00	
106	E3.0	Keynote# 33	Provide new 240V, 30/15A, 3-pole fused disconnect switch.	EA	8	0%	8	\$ 150.00	\$ 1,200.00	\$ 100.00	\$ 800.00	\$ 2,000.00	
107	E3.0	Keynote# 3	Provide new 30A, 2-pole, NEMA 3R non-fused disconnect switch.	EA	1	0%	1	\$ 80.00	\$ 80.00	\$ 100.00	\$ 100.00	\$ 180.00	
108	E3.0-E4.0	Keynote# 3, 32	Provide new 600V, 30A, 3-pole, NEMA 3R non-fused disconnect switch.	EA	3	0%	3	\$ 200.00	\$ 600.00	\$ 200.00	\$ 600.00	\$ 1,200.00	
109	E4.0	Keynote# 6	Provide new 600V, 30A, 3-pole combination motor starter and fused disconnect switch.	EA	2	0%	2	\$ 800.00	\$ 1,600.00	\$ 650.00	\$ 1,300.00	\$ 2,900.00	
110	E4.0		Provide new weatherproof 240V, 60/60A, 2-pole fused disconnect switch.	EA	2	0%	2	\$ 150.00	\$ 300.00	\$ 200.00	\$ 400.00	\$ 700.00	
111	E4.0		Provide new weatherproof 240V, 60/50A, 2-pole fused disconnect switch.	EA	1	0%	1	\$ 150.00	\$ 150.00	\$ 200.00	\$ 200.00	\$ 350.00	
112	E4.0		Provide new weatherproof 600V, 60/35A, 3-pole fused disconnect switch.	EA	4	0%	4	\$ 300.00	\$ 1,200.00	\$ 300.00	\$ 1,200.00	\$ 2,400.00	
113	E4.0		Provide new 240V, 60/35A, 2-pole fused disconnect switch.	EA	3	0%	3	\$ 120.00	\$ 360.00	\$ 150.00	\$ 450.00	\$ 810.00	
114	E4.0		Provide new 600V, 30/15A, 3-pole fused disconnect switch.	EA	4	0%	4	\$ 150.00	\$ 600.00	\$ 200.00	\$ 800.00	\$ 1,400.00	
115	E3.3-E5.1		Provide new 20A, 1-pole circuit breaker.	EA	148	0%	148	\$ 10.00	\$ 1,480.00	\$ 75.00	\$ 11,100.00	\$ 12,580.00	
116	E3.3-E5.1		Provide new 30A, 3-pole circuit breaker with handle locking device.	EA	10	0%	10	\$ 60.00	\$ 600.00	\$ 100.00	\$ 1,000.00	\$ 1,600.00	
117	E3.3-E5.1		Provide new 20A, 1-pole ground fault interrupter circuit breaker.	EA	32	0%	32	\$ 50.00	\$ 1,600.00	\$ 100.00	\$ 3,200.00	\$ 4,800.00	
118	E5.1		Provide new 20A, 1-pole circuit breaker with handle locking device.	EA	6	0%	6	\$ 20.00	\$ 120.00	\$ 80.00	\$ 480.00	\$ 600.00	
119	E5.1		Provide new 35A, 3-pole circuit breaker	EA	5	0%	5	\$ 80.00	\$ 400.00	\$ 100.00	\$ 500.00	\$ 900.00	
120	E5.1		Provide new 30A, 3-pole circuit breaker.	EA	9	0%	9	\$ 50.00	\$ 450.00	\$ 100.00	\$ 900.00	\$ 1,350.00	
121	E5.1		Provide new 20A, 1-pole isolated ground circuit breaker.	EA	3	0%	3	\$ 30.00	\$ 90.00	\$ 80.00	\$ 240.00	\$ 330.00	
122	E5.1		Provide new 60A, 2-pole circuit breaker.	EA	6	0%	6	\$ 30.00	\$ 180.00	\$ 100.00	\$ 600.00	\$ 780.00	
123	E5.1		Provide new 30A, 2-pole circuit breaker.	EA	9	0%	9	\$ 25.00	\$ 225.00	\$ 90.00	\$ 810.00	\$ 1,035.00	
124	E5.1		Provide new 20A, 1-pole ground fault interrupter circuit breaker with handle locking device.	EA	1	0%	1	\$ 60.00	\$ 60.00	\$ 100.00	\$ 100.00	\$ 160.00	
125	E5.1		Provide new 60A, 3-pole circuit breaker.	EA	5	0%	5	\$ 100.00	\$ 500.00	\$ 150.00	\$ 750.00	\$ 1,250.00	
126	E5.1		Provide new 15A, 1-pole circuit breaker.	EA	1	0%	1	\$ 10.00	\$ 10.00	\$ 75.00	\$ 75.00	\$ 85.00	
127	E3.4,E5.1		Provide new 70A, 3-pole circuit breaker.	EA	2	0%	2	\$ 120.00	\$ 240.00	\$ 180.00	\$ 360.00	\$ 600.00	
128	E3.4		Provide new 100A, 3-pole circuit breaker.	EA	2	0%	2	\$ 200.00	\$ 400.00	\$ 250.00	\$ 500.00	\$ 900.00	
129	E3.3		Provide new 15A, 3-pole circuit breaker.	EA	1	0%	1	\$ 40.00	\$ 40.00	\$ 90.00	\$ 90.00	\$ 130.00	
130	E3.3		Provide new 50A, 3-pole circuit breaker.	EA	1	0%	1	\$ 90.00	\$ 90.00	\$ 120.00	\$ 120.00	\$ 210.00	
131	E3.3												
<b>SURGE PROTECTION DEVICE</b>													
132	E5.0	Keynote# 12,22	Provide new 277/480V, 3-phase, 5 wire surge suppression device. -Manu: SURGE SUPPRESSION INC. -Model: STM-24-3Y2.	EA	6	0%	6	\$ 1,500.00	\$ 9,000.00	\$ 400.00	\$ 2,400.00	\$ 11,400.00	
133	E5.0	Keynote# 7,27	Provide new 277/480V, 3-phase, 5 wire surge suppression device. -Manu: SURGE SUPPRESSION INC. -Model: STM-24-3Y1.	EA	5	0%	5	\$ 1,200.00	\$ 6,000.00	\$ 400.00	\$ 2,000.00	\$ 8,000.00	
134	E2.2		Provide new 277/480V, 3-phase, 5 wire surge suppression device. -Manu: SURGE SUPPRESSION INC. -Model: S-SPT-120.	EA	1	0%	1	\$ 200.00	\$ 200.00	\$ 250.00	\$ 250.00	\$ 450.00	
135	E7.0	Keynote# 1	Provide new surge protection device. -Manu: EDCO.	EA	3	0%	3	\$ 100.00	\$ 300.00	\$ 150.00	\$ 450.00	\$ 750.00	
<b>TRANSFORMER</b>													
136	E1.0	Keynote# 1	Provide new 277/480V, 3-phase pad mounted transformer.	EA	1	0%	1	\$ 2,500.00	\$ 2,500.00	\$ 650.00	\$ 650.00	\$ 3,150.00	
137	E3.1		Provide new 480-120/208V, 45KVA, 3-phase transformer T1. -Model: EXN45T3H.	EA	1	0%	1	\$ 3,000.00	\$ 3,000.00	\$ 800.00	\$ 800.00	\$ 3,800.00	
138	E3.4		Provide new 480-120/208V, 45KVA, 3-phase transformer TW. -Model: EXN45T3H.	EA	1	0%	1	\$ 3,000.00	\$ 3,000.00	\$ 800.00	\$ 800.00	\$ 3,800.00	
139	E5.0		Provide new 480-120/208V, 45KVA, 3-phase transformer TG. -Model: EXN45T3H.	EA	1	0%	1	\$ 3,000.00	\$ 3,000.00	\$ 800.00	\$ 800.00	\$ 3,800.00	
140	E5.0		Provide new 480-120/208V, 75KVA, 3-phase transformer T. -Model: EXN75T3H.	EA	1	0%	1	\$ 6,000.00	\$ 6,000.00	\$ 950.00	\$ 950.00	\$ 6,950.00	
141	E5.0		Provide new 480-120/208V, 30KVA, 3-phase transformer TP. -Model: EXN30T3H.	EA	1	0%	1	\$ 2,850.00	\$ 2,850.00	\$ 750.00	\$ 750.00	\$ 3,600.00	
142	E4.0	Keynote# 10	Provide new step down transformer.	EA	3	0%	3	\$ 2,680.00	\$ 8,040.00	\$ 700.00	\$ 2,100.00	\$ 10,140.00	
<b>WIRING DEVICES</b>													
143	E1.0	Keynote# 10,27	Provide new weatherproof ground fault interrupter and tamper resistant duplex receptacle.	EA	11	0%	11	\$ 85.00	\$ 935.00	\$ 90.00	\$ 990.00	\$ 1,925.00	
144	E3.0-E4.1		Provide new duplex receptacle.	EA	24	0%	24	\$ 55.00	\$ 1,320.00	\$ 65.00	\$ 1,560.00	\$ 2,880.00	
145	E3.0-E3.3	Keynote# 11	Provide new weatherproof ground fault interrupter duplex receptacle.	EA	2	0%	2	\$ 65.00	\$ 130.00	\$ 70.00	\$ 140.00	\$ 270.00	
146	E3.0	Keynote# 35	Provide new overhead door operator control station.	EA	8	0%	8	\$ 100.00	\$ 800.00	\$ 85.00	\$ 680.00	\$ 1,480.00	
147	E3.0	Keynote# 34	Provide new 480V, 50A, 3-phase, 4 wire special receptacle.	EA	5	0%	5	\$ 75.00	\$ 375.00	\$ 80.00	\$ 400.00	\$ 775.00	
148	E3.0-E4.0		Provide new ground fault interrupter duplex receptacle.	EA	5	0%	5	\$ 60.00	\$ 300.00	\$ 70.00	\$ 350.00	\$ 650.00	
149	E3.0-E3.1		Provide new quadruple receptacle.	EA	9	0%	9	\$ 100.00	\$ 900.00	\$ 95.00	\$ 855.00	\$ 1,755.00	
150	E3.0	Keynote# 12	Provide new TV power and data outlet.	EA	1	0%	1	\$ 25.00	\$ 25.00	\$ 45.00	\$ 45.00	\$ 70.00	

**Building Data Summary**

<b>Project Name:</b>	<b>NED- JEFERSON</b>
<b>Location:</b>	
<b>Scope of Work:</b>	<b>ELECTRICAL</b>
<b>Date:</b>	
<b>Project ID</b>	
<b>Note:</b>	

Item #	Deg	Detail	Item Description	Unit	QTY.	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
151	E3.0	Keynote# 2	Provide new single receptacle.	EA	5	0%	5	\$ 35.00	\$ 175.00	\$ 45.00	\$ 225.00	\$ 400.00	
152	E3.0-E3.1		Provide new duplex tele/data outlet.	EA	29	0%	29	\$ 40.00	\$ 1,160.00	\$ 45.00	\$ 1,305.00	\$ 2,465.00	
153	E3.0-E3.1		Provide new automatic control duplex receptacle.	EA	42	0%	42	\$ 80.00	\$ 3,360.00	\$ 85.00	\$ 3,570.00	\$ 6,930.00	
154	E3.0-E3.1		Provide new automatic control quadruple receptacle.	EA	10	0%	10	\$ 120.00	\$ 1,200.00	\$ 100.00	\$ 1,000.00	\$ 2,200.00	
155	E3.1		Provide new isolated ground quadruple receptacle.	EA	2	0%	2	\$ 65.00	\$ 130.00	\$ 70.00	\$ 140.00	\$ 270.00	
156	E3.1	Keynote# 9	Provide new 20A duplex outlet in floor box. - Manu: HUBBELL. - Model: SA5016/SA3182/SA3925.	EA	1	0%	1	\$ 200.00	\$ 200.00	\$ 150.00	\$ 150.00	\$ 350.00	
157	E3.1	Keynote# 5	Provide new 4x4x3/4" plywood telephone board.	EA	1	0%	1	\$ 50.00	\$ 50.00	\$ 75.00	\$ 75.00	\$ 125.00	
<b>LIGHTING</b>													
158	E1.0		Provide new 277V, 185W pole mounted lighting fixture SA. - Manu: LITHONIA LIGHTING. - Model: DSXI-LED-P7-40K-70CRI-TFTM-MVOLT.	EA	9	0%	9	\$ 1,500.00	\$ 13,500.00	\$ 400.00	\$ 3,600.00	\$ 17,100.00	
159	E1.0		Provide new 277V, 138W pole mounted lighting fixture SB. - Manu: LITHONIA LIGHTING. - Model: DSXI-LED-P5-40K-70CRI-LCCO-MVOLT.	EA	2	0%	2	\$ 1,000.00	\$ 2,000.00	\$ 400.00	\$ 800.00	\$ 2,800.00	
160	E2.0		Provide new 120/277V, 214W, 15" down light lighting fixture A. - Manu: LITHONIA LIGHTING. - Model: JEBL-3000LM-GL-MVOLT-50K-80CRI-CBA.	EA	26	0%	26	\$ 400.00	\$ 10,400.00	\$ 250.00	\$ 6,500.00	\$ 16,900.00	
161	E2.0		Provide new wall mounted 120/277V, 12W exterior lighting fixture with 90 minute emergency battery backup WDE. - Manu: LITHONIA LIGHTING. - Model: WPX1-LED-P1-40K-MVOLT-E14WC-CBA.	EA	3	0%	3	\$ 300.00	\$ 900.00	\$ 150.00	\$ 450.00	\$ 1,350.00	
162	E2.0		Provide new 120/277V, 32W, 4' strip lighting fixture with 90 minute emergency battery backup DE. - Manu: LITHONIA LIGHTING. - Model: CLX-L48-5000LM-SEF RDL-MVOLT-40K-80CRI-ZT - E10WLCP.	EA	1	0%	1	\$ 150.00	\$ 150.00	\$ 100.00	\$ 100.00	\$ 250.00	
163	E2.0		Provide new wall mounted 120/277V, 14W 4" down light lighting fixture CA. - Manu: LITHONIA LIGHTING. - Model: LDNA-ALO2 (SET AT 1000W)-L04-AR-LD-MVOLT-UGZ.	EA	2	0%	2	\$ 100.00	\$ 200.00	\$ 100.00	\$ 200.00	\$ 400.00	
164	E2.0		Provide new wall mounted 120/277V, 14W, 4" down light lighting fixture with 90 minute emergency battery backup CAE. - Manu: LITHONIA LIGHTING. - Model: LDNA-ALO2 (SET AT 1000W)-L04-AR-LD-MVOLT-UGZ-E10WCP.	EA	1	0%	1	\$ 200.00	\$ 200.00	\$ 150.00	\$ 150.00	\$ 350.00	
165	E2.0		Provide new wall mounted 120/277V, 64W, 8' linear lighting fixture F. - Manu: LITHONIA LIGHTING. - Model: C2-CS-8-40K-SO-UNV-10D-CBA MF-44-MF-CBA-4-90CRI	EA	2	0%	2	\$ 250.00	\$ 500.00	\$ 150.00	\$ 300.00	\$ 800.00	
166	E2.0		Provide new wall mounted 120/277V, 16W, 2x2 flat panel lighting fixture R. - Manu: LITHONIA LIGHTING. - Model: EPANL-2x2-8CRI-40K ZT-MVOLT-DGA22.	EA	2	0%	2	\$ 100.00	\$ 200.00	\$ 100.00	\$ 200.00	\$ 400.00	
167	E2.0		backup A. - Manu: LITHONIA LIGHTING. - Model: JEBL-3000LM-GL-MVOLT-50K-80CRI-CBA.	EA	2	0%	2	\$ 500.00	\$ 1,000.00	\$ 300.00	\$ 600.00	\$ 1,600.00	
168	E2.0-E2.1		Provide new 120/277V, 40W, 2x4 lighting fixture B. - Manu: LITHONIA LIGHTING. - Model: 2BL4-48L-ADP-MVOLT-GZ10-L840-WH.	EA	35	0%	35	\$ 100.00	\$ 3,500.00	\$ 100.00	\$ 3,500.00	\$ 7,000.00	
169	E2.0-E2.1		Provide new 120/277V, 40W, 2x4 lighting fixture with 90 minute emergency battery backup BE. - Manu: LITHONIA LIGHTING. - Model: 2BL4-48L-ADP-MVOLT-GZ10-L840-WH -E10WLCP.	EA	9	0%	9	\$ 200.00	\$ 1,800.00	\$ 150.00	\$ 1,350.00	\$ 3,150.00	
170	E2.0-E2.1		Provide new 120/277V, 31W, 2x2 lighting fixture C. - Manu: LITHONIA LIGHTING. - Model: 2BL2-40L-ADP-MVOLT-GZ10-L840-WH.	EA	2	0%	2	\$ 80.00	\$ 160.00	\$ 100.00	\$ 200.00	\$ 360.00	
171	E2.0-E2.1		backup EM. - Manu: LITHONIA LIGHTING. - Model: ELM6L.	EA	10	0%	10	\$ 150.00	\$ 1,500.00	\$ 100.00	\$ 1,000.00	\$ 2,500.00	
172	E2.0-E2.1		Provide new 120/277V, 31W, 2x2 lighting fixture with 90 minute emergency battery backup CE. - Manu: LITHONIA LIGHTING. - Model: 2BL2-40L-ADP-MVOLT-GZ10-L840-WH -E10WLCP.	EA	5	0%	5	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 1,000.00	
173	E2.0-E2.1		backup X. - Manu: LITHONIA LIGHTING. - Model: LQM-S-W-3-R-120/277-ELN-SD.	EA	6	0%	6	\$ 100.00	\$ 600.00	\$ 100.00	\$ 600.00	\$ 1,200.00	
174	E2.0-E2.1		Provide new wall mounted 120/277V, 16W, 2x2 flat panel lighting fixture with 90 minute emergency battery backup RE. - Manu: LITHONIA LIGHTING. - Model: EPANL-2x2-8CRI-40K Z T-MVOLT-DGA22-E10WCP.	EA	4	0%	4	\$ 400.00	\$ 1,600.00	\$ 250.00	\$ 1,000.00	\$ 2,600.00	
175	E2.1		Provide new 120/277V, 32W, 4' strip lighting fixture D. - Manu: LITHONIA LIGHTING. - Model: CLX-L48-5000LM-SEF RDL-MVOLT-40K-80CRI-ZT.	EA	4	0%	4	\$ 400.00	\$ 1,600.00	\$ 250.00	\$ 1,000.00	\$ 2,600.00	
176	E2.1		Provide new wall mounted 120/277V, 91W exterior lighting fixture WB. - Manu: LITHONIA LIGHTING. - Model: DSX0-P5-40K-70CRI-TFTM-HS-WBA-CBA.	EA	4	0%	4	\$ 300.00	\$ 1,200.00	\$ 200.00	\$ 800.00	\$ 2,000.00	
177	E2.1		Provide new wall mounted 120/277V, 91W exterior lighting fixture WC. - Manu: LITHONIA LIGHTING. - Model: DSX0-P5-40K-70CRI-T3M-WBA-CBA.	EA	2	0%	2	\$ 250.00	\$ 500.00	\$ 200.00	\$ 400.00	\$ 900.00	
178	E2.1		Provide new wall mounted 120/277V, 64W, 8' linear lighting fixture with 90 minute emergency battery backup FE. - Manu: LITHONIA LIGHTING. - Model: C2-CS-8-40K-SO-UNV-10D-CBA MF-44-MF-CBA-4-90CRI	EA	4	0%	4	\$ 300.00	\$ 1,200.00	\$ 200.00	\$ 800.00	\$ 2,000.00	
179	E3.3-E3.4		Provide new wall mounted 120/277V, 22W exterior lighting fixture WA. - Manu: LITHONIA LIGHTING. - Model: DSXW1-P3-40K-70CRI-T4M-CBA.	EA	2	0%	2	\$ 250.00	\$ 500.00	\$ 200.00	\$ 400.00	\$ 900.00	
<b>LIGHTING POLE</b>													
180	11		Provide new 22' square straight aluminium pole.	EA	11	0%	11	\$ 1,000.00	\$ 11,000.00	\$ 800.00	\$ 8,800.00	\$ 19,800.00	
181	E1.1		Provide new pole cap.	EA	11	0%	11	\$ 50.00	\$ 550.00	\$ 95.00	\$ 1,045.00	\$ 1,595.00	
<b>FIRE ALARM DETECTION</b>													
182	E7.0	Keynote# 3	Provide new remote test station. - Manu: SENSOR SYSTEM. - Model: SDS05-DTS-K.	EA	7	0%	7	\$ 100.00	\$ 700.00	\$ 100.00	\$ 700.00	\$ 1,400.00	
183	E7.0	Keynote# 2	Provide new duct mounted smoke detectors.	EA	7	0%	7	\$ 255.00	\$ 1,785.00	\$ 155.00	\$ 1,085.00	\$ 2,870.00	
184	E7.0		Provide new control relay. - Manu: SDS00-ARM	EA	7	0%	7	\$ 50.00	\$ 350.00	\$ 75.00	\$ 525.00	\$ 875.00	
185	E7.0	Keynote# 5	Provide new Knox box.	EA	1	0%	1	\$ 300.00	\$ 300.00	\$ 150.00	\$ 150.00	\$ 450.00	
186	E3.1		Provide new fire alarm control panel.	EA	1	0%	1	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00	\$ 2,500.00	\$ 4,500.00	
187	E7.0		Provide new horn strobe. - Model: GEC3-24WR.	EA	1	0%	1	\$ 60.00	\$ 60.00	\$ 100.00	\$ 100.00	\$ 160.00	
188	E7.0		Provide new weatherproof 110cd horn strobe. - Model: GEC3-24WR.	EA	2	0%	2	\$ 100.00	\$ 200.00	\$ 150.00	\$ 300.00	\$ 500.00	
189	E7.0		Provide new fire alarm remote annunciator.	EA	2	0%	2	\$ 300.00	\$ 600.00	\$ 200.00	\$ 400.00	\$ 1,000.00	
190	E7.0		Provide new addressable manual pull station.	EA	2	0%	2	\$ 100.00	\$ 200.00	\$ 100.00	\$ 200.00	\$ 400.00	
191	E7.0	Keynote# 6	Provide new dual line digital liner.	EA	1	0%	1	\$ 350.00	\$ 350.00	\$ 200.00	\$ 200.00	\$ 550.00	
									<b>\$277,354.48</b>			<b>\$ 690,925</b>	

Building Data Summary	
Project Name:	NED- JEFERSON
Location:	
Scope of Work:	ELECTRICAL
Date:	
Project ID	
Note:	

Item #	Deg	Detail	Item Description	Unit	QTY.	Waste	Quantity w/ Waste	Unit Material Cost	Total Material Cost	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost	
												PROJECTED COST	\$ 690,925	
												INSURANCE	3%	\$ 20,727.74
												CONTINGENCY	5%	\$ 34,546.24
												OVERHEAD AND PROFIT	15%	\$ 103,638.71
												TAX	7.25%	\$ 20,108
												<b>SUGGESTED BID</b>	<b>\$ 869,946</b>	

DEDUCT ALTERNATE													
DIVISION 26 - ELECTRICAL													
WIRING SYSTEM													
192	E5.0	Keystone 6A	Provide new #350 MCM AL electrical wire.	LF	520	10%	572	\$ 4.00	\$ 2,288.00	\$ 8.00	\$ 4,576.00	\$ 6,864.00	
<b>RACEWAYS, BOXES, FITTINGS AND ACCESSORIES</b>													
193	E5.0	Keystone 6A	Provide new 3-1/2" underground conduit for electrical wiring.	LF	130	10%	143	\$ 3.00	\$ 429.00	\$ 15.50	\$ 2,216.50	\$ 2,645.50	
									<b>\$ 2,717.00</b>			<b>\$ 9,510</b>	

												PROJECTED COST	\$ 9,510	
												INSURANCE	3%	\$ 285.29
												CONTINGENCY	5%	\$ 475.48
												OVERHEAD AND PROFIT	15%	\$ 1,426.43
												TAX	7.25%	\$ 197
												<b>SUGGESTED BID</b>	<b>\$ 11,894</b>	

\* Note:

1. Online sources are used for pricing.  
2. Prices can vary depending upon field conditions.