

Description	Quantity	Unit	Material \$\$	Labor hrs	Labor \$\$	Unit Cost	Total
26 Electrical							
Service and distribution							
Distribution equipment							
Main switchboard, 800 amp, 120/208v, 3ph, 4w	1	ea	\$40,454.30	63.74	\$4,501.97	\$44,956.27	\$44,956.27
CT Cabinet, 800 amp, N3R	1	ea	\$7,038.46	6.00	\$423.80	\$7,462.26	\$7,462.26
Power conditioner enclosure - FBO	1	ea	\$0.00	4.00	\$282.53	\$282.53	\$282.53
Disconnect switch, 800/3 fused N3R	1	ea	\$3,070.19	24.00	\$1,695.19	\$4,765.38	\$4,765.38
Conduit, 2" emt	10	lf	\$4.82	0.20	\$14.09	\$18.91	\$189.10
Conduit, 4" emt	20	lf	\$16.52	0.34	\$24.21	\$40.73	\$814.69
Conduit, 4" pvc	120	lf	\$3.76	0.19	\$13.18	\$16.94	\$2,033.13
Copper wire, #6 thhn	12	lf	\$0.52	0.01	\$0.78	\$1.30	\$15.61
Copper wire, #3/0 thhn	36	lf	\$2.96	0.03	\$1.84	\$4.80	\$172.82
Copper wire, #600 thhn	336	lf	\$11.71	0.05	\$3.39	\$15.10	\$5,072.70
Copper wire, #3/0 bare	750	lf	\$2.95	0.03	\$2.26	\$5.21	\$3,907.14
Trench, backfill and compaction	50	lf	\$30.76	0.36	\$25.43	\$56.19	\$2,809.52
HVAC and equipment connections							
Building signage, 20 amp connection, N3R	4	ea	\$32.77	2.02	\$142.82	\$175.59	\$702.37
Fire place, 20 amp connection, N1	1	ea	\$15.44	1.94	\$137.17	\$152.61	\$152.61
Fryer exhaust, 30 amp connection, N3R	1	ea	\$34.65	2.13	\$150.38	\$185.03	\$185.03
Grill exhaust, 30 amp connection, N3R	1	ea	\$34.65	2.13	\$150.38	\$185.03	\$185.03
Hood light, 20 amp connection, N1	2	ea	\$15.44	1.94	\$137.17	\$152.61	\$305.22
Ice machine, 30 amp connection, N3R	2	ea	\$34.65	2.13	\$150.38	\$185.03	\$370.06
Momentary microswitch, 20 amp connection, N1	2	ea	\$15.44	1.94	\$137.17	\$152.61	\$305.22
Power soak sink, 40 amp connection, N3R	1	ea	\$53.53	2.61	\$184.56	\$238.09	\$238.09
Restroom exhaust fan, 20 amp connection, N3R	1	ea	\$32.77	2.02	\$142.82	\$175.59	\$175.59
RTU, 175 amp connection, N3R - disco supplied with unit	2	ea	\$178.76	6.20	\$438.07	\$616.82	\$1,233.65
RTU, 80 amp connection, N3R - disco supplied with unit	2	ea	\$94.82	3.31	\$233.87	\$328.69	\$657.38
Sign connection, 20 amp connection, N3R	3	ea	\$15.44	1.94	\$137.17	\$152.61	\$457.84
Under cabinet refrigerator, 20 amp connection, N1	1	ea	\$15.44	1.94	\$137.17	\$152.61	\$152.61
Walk-in cooler, 30 amp connection, N3R	1	ea	\$34.65	2.13	\$150.38	\$185.03	\$185.03
Walk-in freezer, 30 amp connection, N3R	1	ea	\$34.65	2.13	\$150.38	\$185.03	\$185.03
Water heater, 20 amp connection, N1	1	ea	\$15.44	1.94	\$137.17	\$152.61	\$152.61
Disconnect switch, motor rated N1	2	ea	\$142.71	2.80	\$197.77	\$340.49	\$680.97
Disconnect switch, motor rated N3R	1	ea	\$200.92	2.98	\$210.49	\$411.40	\$411.40
Disconnect switch, 30/3 fused N3R	6	ea	\$576.66	3.16	\$223.20	\$799.86	\$4,799.17
Disconnect switch, 60/3 fused N3R	1	ea	\$708.44	4.37	\$308.67	\$1,017.11	\$1,017.11
Equipment feeder, 20 amp	675	lf	\$2.37	0.20	\$13.90	\$16.27	\$10,985.58
Equipment feeder, 30 amp	390	lf	\$2.75	0.20	\$14.36	\$17.12	\$6,675.48
Equipment feeder, 60 amp	65	lf	\$3.86	0.22	\$15.66	\$19.52	\$1,268.69
Equipment feeder, 100 amp	170	lf	\$6.06	0.25	\$17.54	\$23.60	\$4,011.86
Equipment feeder, 200 amp	170	lf	\$7.35	0.26	\$18.28	\$25.63	\$4,356.97
Convenience power							
Duplex receptacle, 20 amp	61	ea	\$14.59	0.97	\$68.66	\$83.25	\$5,078.12

Description	Quantity	Unit	Material \$\$	Labor hrs	Labor \$\$	Unit Cost	Total
27 Communications							
Voice and Data system							
Tele/data outlet, 2 port	8	ea	\$70.40	0.71	\$50.15	\$120.55	\$964.41
Data outlet, 1 port	26	ea	\$78.08	0.89	\$62.69	\$140.76	\$3,659.88
Tele/data outlet, back box only	3	ea	\$9.35	0.71	\$50.15	\$59.50	\$178.51
TV outlet	1	ea	\$78.08	0.89	\$62.69	\$140.76	\$140.76
Conduit, 1" emt	570	lf	\$1.96	0.12	\$8.45	\$10.42	\$5,937.16
Conduit, 1" pvc	300	lf	\$0.61	0.06	\$4.50	\$5.11	\$1,531.76
CAT-6, 4 pair 23 AWG, CMP	4300	lf	\$0.45	0.01	\$0.79	\$1.24	\$5,341.16
Audio-video system							
Junction box, empty	1	ea	\$20.77	0.89	\$62.69	\$83.45	\$83.45
Volume control	2	ea	\$92.11	0.89	\$62.69	\$154.80	\$309.60
Conduit, 3/4" emt	50	lf	\$1.34	0.11	\$7.89	\$9.23	\$461.53
Total - Communications							\$18,608
28 Electrical Safety And Security							
Closed circuit television system							
CCTV fixed IP camera	12	ea	\$799.83	1.91	\$134.91	\$934.73	\$11,216.81
CCTV monitor	1	ea	\$670.62	1.20	\$84.76	\$755.38	\$755.38
DVR, 12TB storage	1	ea	\$0.00	6.00	\$423.80	\$423.80	\$423.80
Conduit, 3/4" emt	120	lf	\$1.34	0.11	\$7.89	\$9.23	\$1,107.68
CCTV cabling	1020	lf	\$0.20	0.01	\$0.99	\$1.19	\$1,216.22
Security system							
Intrusion control panel	1	ea	\$4,337.51	4.00	\$282.53	\$4,620.04	\$4,620.04
Arming station	1	ea	\$427.65	1.71	\$120.78	\$548.43	\$548.43
Motion detector	2	ea	\$270.49	1.51	\$106.66	\$377.14	\$754.29
Panic button	2	ea	\$105.72	1.37	\$96.91	\$202.63	\$405.27
Security strobe	1	ea	\$99.07	1.21	\$85.47	\$184.53	\$184.53
Alarm contact, flush mount	3	ea	\$31.98	1.83	\$129.54	\$161.52	\$484.55
Conduit, 3/4" emt	350	lf	\$1.34	0.11	\$7.89	\$9.23	\$3,230.72
Security cable	420	lf	\$0.00	0.01	\$0.85	\$1.13	\$473.56
Fire alarm system							
FA control panel	1	ea	\$4,169.89	40.00	\$2,825.32	\$6,995.21	\$6,995.21
FA pull station	2	ea	\$135.35	2.70	\$190.71	\$326.06	\$652.11
FA smoke detector	2	ea	\$92.25	2.97	\$209.78	\$302.03	\$604.06
Remote test station	2	ea	\$81.19	3.00	\$211.90	\$293.09	\$586.17
Conduit, 3/4" emt	245	lf	\$1.34	0.11	\$7.89	\$9.23	\$2,261.51
Fire alarm cable rated, 2C	294	lf	\$0.65	0.02	\$1.41	\$2.07	\$607.45
Total - Electrical Safety And Security							\$37,128

General conditions / General requirements

Description	Quantity	Unit	Material \$\$	Labor hrs	Labor \$\$	Unit Cost	Total
Small tools	57	hr				\$70.63	\$4,002.49
Indirect labor	1	ls				\$33,354.08	\$33,354.08
Consumables	1	ls				\$4,528.37	\$4,528.37
Equipment rentals	1	ls				\$5,283.10	\$5,283.10
Testing/commissioning	1	ls				\$3,773.65	\$3,773.65
General expense, management	1	ls				\$20,012.45	<u>\$20,012.45</u>
Total - General conditions / General requirements							\$70,954

Grand Total - Div 26000, 27000 and 28000 Work

\$355,316.29

Assumptions

NECA 1 labor units of measure

\$61.42 labor rate

Mark up 15%

Sales Tax 5.00%