

ESTIMATE DETAIL



PROJECT NAME

	DESCRIPTION	QTY	UNIT	RATE	TOTAL (\$)
	<b>ELECTRICAL</b>				
1	<u>Accessibility</u>				
2	<b>Selective Demolition</b>				
3	Duplex Receptacle	8	EA	75.00	600
4	4' Light fixture	12	EA	125.00	1,500
5	6' Light fixture	9	EA	125.00	1,125
6	2' x 2' light fixture	31	EA	125.00	3,875
7	1' x 4' light fixture	11	EA	125.00	1,375
8	Emergency Light Fixture	12	EA	125.00	1,500
9	Exist Sign	9	EA	125.00	1,125
10	Light fixture	3	EA	125.00	375
11	RP Light fixture	9	EA	125.00	1,125
12	Occupancy Sensor	9	EA	125.00	1,125
13	Switch	1	EA	75.00	75
14	Amber Strobe	11	EA	75.00	825
15	Combination Audiovisual Appliance	10	EA	75.00	750
16	Heat Detector	8	EA	75.00	600
17	Smoke Detector	12	EA	75.00	900
18	Data outlet for WIFI Access point	3	EA	75.00	225
19	Security camera	1	EA	125.00	125
20	<b>New Work</b>				
21	<u>Normal Service &amp; Distribution</u>				
22	New Panelboard L3A; 200A MLO, 480/277V, 3-Ph, 4-Wire, 14KAIC	1	EA	4,250.00	4,250
23	New Panelboard L3B; 200A MLO, 480/277V, 3-Ph, 4-Wire, 22KAIC	1	EA	4,250.00	4,250
24	New Panelboard H3; 200A MLO, 480/277V, 3-Ph, 4-Wire, 14KAIC	1	EA	4,250.00	4,250
25	New Electrical Panel 125A MCB, branch Panel to circuit plug loads	1	EA	3,150.00	3,150
26	Re-route existing Conduit & Feeder from Existing electrical room to the new location	1	LS	10,000.00	10,000
27	Refeed Existing Circuits from new panel	1	LS	2,000.00	2,000
28					
29	<u>Feeder:</u>				
30	200A, Feeder from Ex Panel L2A to Panel L3A	100	LF	60.00	6,000
31	200A, Feeder from Ex Panel L2B to Panel L3B	100	LF	60.00	6,000
32	200A, Feeder from 100A Terminal Block to Panel H3	100	LF	60.00	6,000
33	Feeder from 100A Terminal Block to Ex Panel E3S	100	LF	30.00	3,000
34	Feeder from 200A Terminal Block to Ex Panel L4B	100	LF	60.00	6,000
35	100A Terminal Box with (2) Lugs on each Phase, Neutral and Ground	2	EA	150.00	300
36	200A Terminal Block with (3) Lugs on each Phase, Neutral and Ground	1	EA	250.00	250
37	60A-3P CB and Re-Feed Panel L4A	1	EA	70.00	70
38	Conduit for above	500	LF	20.00	10,000
39					
40	<u>Motor wiring</u>				
41	Electronic flush valves on WC's & urinals - connections	38	EA	350.00	13,300
42	Electronic sensors on Lav's - connections	22	EA	350.00	7,700
43	EWC-1:Electric water cooler	6	EA	550.00	3,300
44	Domestic hot water return pump	1	EA	1,250.00	1,250
45	Electric Water heater 120 gallon	2	EA	2,500.00	5,000
46	DOAS-1; 2000 CFM, Supply fan 6hp, Exhaust Fan 6hp, 460V/3ph/60hz	1	EA	2,500.00	2,500
47	ACCU-1, Air cooled condensing unit, 14 Ton, 460V/3ph/60hz	1	EA	2,500.00	2,500
48	EF-1; 1800 CFM, Downblast, Direct drive, 1/2hp, 120V/1ph/60hz	1	EA	1,500.00	1,500
49	FCU-1; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800
50	FCU-2; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz	1	EA	800.00	800
51	FCU-3; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800

52	FCU-4; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800
53	FCU-6; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz	1	EA	800.00	800
54	FCU-7; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800
55	FCU-8; Fan Coil Unit, 18000 BTUH cooling Capacity, 20000 BTUH Heating Capacity, 500 CFM, 208V/1ph/60hz	1	EA	800.00	800
56	CUH-B; Cabinet unit heater; 345 CFM,120V/1ph/60hz.	1	EA	1,200.00	1,200
57	Power for 2 lift	1	LS	3,250.00	3,250
58	Disconnect Switch for Lift	2	EA		Included above
59					
60	<u>Convenience Power</u>				
61	Duplex Receptacles	26	EA	74.25	1,931
62	Duplex Receptacles, GFI	14	EA	87.00	1,218
63	Reconnection of Duplex Receptacle for Ex Drinking Fountain Circuit	4	EA	50.00	200
64	Conduit, wiring	1,400	LF	18.00	25,200
65					
66	<u>Lighting</u>				
67	B2 - 2' x 2' flat panel. Manufacturer- Metalux. Catalog No-22-FPX-42-L835-HCD-1	4	EA	651.38	2,606
68	D - Shallow recessed downlight. Manufacturer- Portfolio. Catalog No-LDS6B-15-D010-EU6B-1020-35-6LBS-1-LI	6	EA	766.13	4,597
69	DR - Retrofit recessed downlight. Manufacturer- Portfolio. Catalog No-LDRT6B-50-D010-EU6B-3050-8035-6LB-W1LI-ABRX-ADAPTER RING	11	EA	1,046.85	11,515
70	DRE - Retrofit recessed downlight. Manufacturer- Portfolio. Catalog No-LDRT6B-50-D010-EU6B-3050-8035-6LB-W1LI-ABRX-ADAPTER RING	14	EA	1,046.85	14,656
71	H2 - 2' x 2' flat panel. Manufacturer- No-22-FPX-25-L835-HCD-1	14	EA	651.38	9,119
72	H2E - 2' x 2' flat panel. Manufacturer- Metalux. Catalog No-22-FPX-25-EL14W-L835-HCD-1	16	EA	651.38	10,422
73	R6 - Recessed linear fixture. Manufacturer- NEO-RAY. Catalog No-S124DR-S575D835-xx-4F0-1-UDD-F-W	8	EA	804.38	6,435
74	R6E - Recessed linear fixture. Manufacturer- NEO-RAY. Catalog No-S124DR-S575D835-xx-4F0-1-B2 (EMERGENCY BATTERY)-UDD-F-W	6	EA	804.38	4,826
75	RP6 - Suspended fixture. Manufacturer- NEO-RAY. Catalog No-S124RDIP-H-575D-590U-835-CXX-XX-6FO-1-2-DD	4	EA	689.63	2,759
76	RP6E - Suspended fixture. Manufacturer- NEO-RAY. Catalog No-S124RDIP-H-575D-590U-835-CXX-XX-6FO-1-B2 (EMERGENCY BATTERY)-2-DD	4	EA	689.63	2,759
77	U2 - 2' x 2' flat panel. Manufacturer- Metalux. Catalog No-22-FPX-32-L835-HCD-1	13	EA	651.38	8,468
78	U2E - 2' x 2' flat panel. Manufacturer- Metalux. Catalog No-22-FPX-32-EL14W-L835-HCD-1	17	EA	651.38	11,073
79	U4 - 2' x 4' Troffer. Manufacturer- Metalux. Catalog No-24GR-LD4-48-A125-UNV-L835-SLTD-DALI DRIVER-1-U	2	EA	747.00	1,494
80	X1 -Exit Sign - Single Sided With Battery Backup. Manufacturer- No-OL2-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	4	EA	487.50	1,950
81	X2 -Exit Sign - Doubled Sided With Battery Backup. Manufacturer- No-OL2-SA-LG-2-M-MOUNTING-BA-UNIVERSAL CHEVRON KIT	1	EA	487.50	488
82	XH -Exit Sign - Single Sided With Battery Backup. Manufacturer- Beghelli. Catalog No-OL2-HE-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	9	EA	487.50	4,388
83	XH2 -Exit Sign - Single Sided With Battery Backup. Manufacturer- No-OL2-HE-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	1	EA	487.50	488
84	ZW2E - Wall Pack, Manufacturer- Lumark, Model# IST-SA1-A-735-U-XX-T4W-XX-CBP	1	EA	275.00	275
85	<u>Wiring</u>				
86	Fixture Supports/ boxes	135	EA	51.75	6,986
87	MC Cable with Fittings	1,620	LF	12.00	19,440
88	EM Circuits, conduits and wires with fittings	675	LF	18.00	12,150
89	Home Run	1,013	LF	18.00	18,225
90					
91	<u>Lighting Control</u>				
92	2D- Two Buttons with raise/lower dimming	2	EA	235.73	471

93	Two Button Switch	12	EA	235.73	2,829
94	Occupancy Sensor	15	EA	242.10	3,632
95	RC1 - Room control with (1) switched relays	11	EA	407.85	4,486
96	RC1D - Room control with (1) dimming relays	6	EA	407.85	2,447
97	RC3D - Room control with (3) dimming relays	3	EA	407.85	1,224
98	Conduit, wiring	980	LF	18.00	17,640
99					
100	<u>Miscellaneous</u>				
101	Grounding & bonding	1	LS	2,500.00	2,500
102	Sub-trade temps/ gcs	1	LS	24,676.06	24,676
103	Electrical Testing and Commissioning	1	LS	11,515.50	11,515
104	Rigging & Handling	1	LS	6,500.00	6,500
105	Vibration Isolation	1	LS	7,000.00	7,000
106	Coring/firestopping	1	LS	3,500.00	3,500
107	Temporary light and power	1	LS	5,000.00	5,000
108					
109	<u>Communication</u>				
110	Telecomm; conduit containment, outlets, cabling	4,413	SF	6.00	26,478
111	<b>Critical Repairs</b>				
112	<b>Selective Demolition</b>				
113	following items to be removed				
114	Panelboard L3B	1	EA	1,200.00	1,200
115	Panelboard L3A	1	EA	1,200.00	1,200
116	Panelboard H3	1	EA	1,200.00	1,200
117	Feeder from Ex Main Switchboard to Panel H3	1	EA	500.00	500
118	Feeder from Panel ES/E to Panel E3S	1	EA	500.00	500
119	Feeder from Panel L2A to Panel L3A	1	EA	500.00	500
120	Feeder from Panel L2B to Panel L3B	1	EA	500.00	500
121	Feeder from Panel L3A to L4A	1	EA	500.00	500
122	Feeder from Panel L3B to L4B	1	EA	500.00	500
123	Disconnect Switch for HVAC Equipment	14	EA	500.00	7,000
124	Duplex Receptacle	1	EA	500.00	500
125	4' Light fixture	3	EA	75.00	225
126	6' Light fixture	8	EA	100.00	800
127	2' x 2' light fixture	104	EA	75.00	7,800
128	2' x 4' light fixture	3	EA	75.00	225
129	1' x 4' light fixture	211	EA	75.00	15,825
130	Emergency Light Fixture	19	EA	50.00	950
131	Exist Sign	3	EA	50.00	150
132	Light fixture	14	EA	75.00	1,050
133	RP Light fixture	56	EA	75.00	4,200
134	Wall Mounted Lighting and associated Conduit	3	EA	75.00	225
135	Occupancy Sensor	31	EA	75.00	2,325
136	Switch	3	EA	75.00	225
137	Amber Strobe	46	EA	75.00	3,450
138	Combination Audiovisual Appliance	45	EA	125.00	5,625
139	Heat Detector	34	EA	75.00	2,550
140	Smoke Detector	46	EA	75.00	3,450
141	Speaker	26	EA	75.00	1,950
142	Visual Appliance	2	EA	125.00	250
143	Power, data & AV outlet for projector	19	EA	75.00	1,425
144	Data outlet for WIFI Access point	2	EA	75.00	150
145	Security camera	2	EA	75.00	150
146	Access Control System Keypad and Panel	1	EA	75.00	75
147	<b>New Work</b>				
148	<b>Electrical Scope</b>				
149	<u>Switchgear &amp; Feeder</u>				
150	No Switchgear work in this section				No Work
151					
152	<u>Motor wiring</u>				
153	RTU-1; Packaged rooftop unit, 13000 CFM, Supply fan 20hp, Exhaust fan 7.5 hp, 460V/3ph/60hz,	1	EA	4,500.00	4,500
154	RTU-2; Packaged rooftop unit, 4000 CFM, Supply fan 3hp, 21 MCA, 460V/3ph/60hz.	1	EA	4,500.00	4,500
155	EF-2; 750 CFM, Downblast, Direct drive, 1/6hp, 120V/1ph/60hz.	1	EA	850.00	850
156	CUH-A; Cabinet unit heater; 345 CFM, 120V/1ph/60hz.	5	EA	1,250.00	6,250
157	FCU-9; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz,	1	EA	800.00	800
158	FCU-10; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz	1	EA	800.00	800
159	FCU-11; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800

160	FCU-12; Fan Coil Unit, 24000 BTUH cooling Capacity, 27000 BTUH Heating Capacity, 750 CFM, 208V/1ph/60hz	1	EA	800.00	800
161	FCU-13; Fan Coil Unit, 6000BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz	1	EA	800.00	800
162	FCU-14; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800
163					
164	<u>Convenience Power</u>				
165	Duplex Receptacles	2	EA	74.25	149
166	Double Duplex Receptacles	1	EA	87.00	87
167	Duplex Receptacles, GFCI	1	EA	84.25	84
168	Conduit, wiring	140	LF	18.00	2,520
169					
170	<u>Lighting</u>				
171	AP-Light fixture Pendant Fixture, Manufacturer- Portfolio, Model# LERPC6B-40-DMXC5-R-MB (Black)-ECA6B-Adjustable Light Engine-Set to 4000 Lumens-8030-6LB-W-LI-AC120MB-R15-40-1-DMXC5	16	EA	562.13	8,994
172	APE-Light fixture Pendant Fixture, Manufacturer- Portfolio, Model# LERPC6B-40-DMXC5-R-MB (Black)-ECA6B-Adjustable Light Engine-Set to 4000	12	EA	562.13	6,746
173	B2 - 2' x 2' flat panel. Manufacturer- Metalux. Catalog No-22-FPX-42-L835-HCD-1	139	EA	651.38	90,541
174	B2E - 2' x 2' flat panel. Manufacturer- No-22-FPX-42-EL14W-L835-HCD-1	24	EA	651.38	15,633
175	B4 - 2' x 4' Direct/Indirect Fixture. Manufacturer- No-4-FPX-47-L835-HCD-1	2	EA	747.00	1,494
176	B4E - 2' x 4' Direct/Indirect Fixture. Manufacturer- No-24-FPX-47-EL14W-L835-HCD-1	1	EA	747.00	747
177	C - Lensed Strip Light. Manufacturer- No-4SNLED-LD5-LW-UNV-37SL-UNV-L835-CD1-CHAIN/SET-U	7	EA	543.00	3,801
178	CE - Lensed Strip Light. Manufacturer- No-4SNLED-LD5-LW-UNV-37SL-UNV-L835-CD1-CHAIN/SET-U	4	EA	543.00	2,172
179	DRE - Retrofit recessed downlight. Manufacturer- Portfolio. Catalog No-LDRT6B-50-D010-EU6B-3050-8035-6LB-W1LI-ABRX-ADAPTER RING	1	EA	1,046.85	1,047
180	DW - Shallow recessed wall washer. Manufacturer- Amerlux. Catalog No-AMERLUX: HDL-HP-R-NC-A17-T-13-(VOLT)-010V / HDL-HP-RA-A17-T-(FINISH)-WF-35	3	EA	766.13	2,298
181	H2 - 2' x 2' flat panel. Manufacturer- No-22-FPX-25-L835-HCD-1	13	EA	651.38	8,468
182	H2E - 2' x 2' flat panel. Manufacturer- No-22-FPX-25-EL14W-L835-HCD-1	7	EA	651.38	4,560
183	U2 - 2' x 2' flat panel. Manufacturer- No-22-FPX-32-L835-HCD-1	7	EA	651.38	4,560
184	X1 -Exit Sign - Single Sided With Battery Backup. Manufacturer- No-OL2-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	2	EA	487.50	975
185	XH -Exit Sign - Single Sided With Battery Backup. Manufacturer- No-OL2-HE-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	2	EA	487.50	975
186	XH2 -Exit Sign - Single Sided With Battery Backup. Manufacturer- No-OL2-HE-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	1	EA	487.50	488
187	ZW2E - Wall Pack, Manufacturer- Lumark, Model# IST-SA1-A-735-U-XX-T4W-XX-CBP	4	EA	275.00	1,100
188	Reinstall 4' Light fixture	2	EA	288.00	576
189	Reinstall 2' x 2' light fixture	49	EA	288.00	14,112
190	Reinstall 2' x 4' light fixture	3	EA	288.00	864
191	Reinstall 1' x 4' light fixture	41	EA	288.00	11,808
192	Reinstall Emergency Light Fixture	12	EA	288.00	3,456
193	Reinstall Light fixture	1	EA	288.00	288
194	Reinstall Exit Sign	1	EA	288.00	288
195	<u>Wiring</u>				
196	Fixture Supports/ boxes	354	EA	51.75	18,320
197	MC Cable with Fittings	4,248	LF	12.00	50,976
198	EM Circuits, conduits and wires with fittings	1,770	LF	18.00	31,860
199	Home Run	2,655	LF	18.00	47,790
200					
201	<u>Lighting Control</u>				
202	2D- Two Buttons with raise/lower dimming	19	EA	235.73	4,479
203	4D- Four Buttons with raise/lower dimming	12	EA	261.23	3,135
204	Two Button Switch	12	EA	235.73	2,829
205	DS- Daylight Sensor	18	EA	242.10	4,358

206	Occupancy Sensor	30	EA	242.10	7,263
207	RC1 - Room control with (1) switched relays	2	EA	407.85	816
208	RC1D - Room control with (1) dimming relays	5	EA	407.85	2,039
209	RC3D - Room control with (3) dimming relays	12	EA	452.48	5,430
210	Reinstall Occupancy Sensor	12	EA	172.80	2,074
211	Conduit, wiring	2,440	LF	18.00	43,920
212					
213	<u>Miscellaneous</u>				
214	Grounding & bonding	1	LS	1,000.00	1,000
215	Sub-trade temps/ gcs	1	LS	32,626.20	32,626
216	Electrical Testing and Commissioning	1	LS	15,225.56	15,226
217	Rigging & Handling	1	LS	8,500.00	8,500
218	Vibration Isolation	1	LS	9,000.00	9,000
219	Coring/firestopping	1	LS	5,000.00	5,000
220	Temporary light and power	1	LS	5,000.00	5,000
221					
222	<u>Communication</u>				
223	Allow For Communication	895	SF	4.50	4,028
224	Voice/data outlet	1	EA		<i>Incl in Above</i>
225	Re-install Data outlet for WIFI access point	2	EA		<i>Incl in Above</i>
226	Re-install Power, Data and Audio-Visual Outlet for Projector	3	EA		<i>Incl in Above</i>
227	Back box for above devices	6	EA		<i>Incl in Above</i>
228	Conduit, wiring and testing For above Device	6	EA		<i>Incl in Above</i>
229	<u>Additional Program</u>				
230	<u>Electrical Scope</u>				
231	<u>Switchgear &amp; Feeder</u>				
232	No Switchgear work in this section				<i>No Work</i>
233					
234	<u>Motor wiring</u>				
235	FCU-5; Fan Coil Unit, 24000 BTUH cooling Capacity, 27000 BTUH Heating Capacity, 750 CFM, 208V/1ph/60hz	1	EA	800.00	800
236					
237	<u>Convenience Power</u>				
238	Duplex Receptacles	8	EA	74.25	594
239	Double Duplex Receptacles	6	EA	87.00	522
240	Conduit, wiring	490	LF	18.00	8,820
241					
242	<u>Lighting</u>				
243	B2 - 2' x 2' flat panel. Manufacturer- No-22-FPX-42-L835-HCD-1	5	EA	651.38	3,257
244	F- 2" Recessed Downlight, Manufacturer- Portfolio, Model# LDA2B-10-2R60-80-35-D010	16	EA	350.00	5,600
245	RP6 - Suspended fixture. Manufacturer- NEO-RAY. Catalog No-S124RDIP-H-575D-590U-835-CXX-XX-6FO-1-2-DD	6	EA	550.00	3,300
246	<u>Wiring</u>				
247	Fixture Supports/ boxes	27	EA	51.75	1,397
248	MC Cable with Fittings	324	LF	12.00	3,888
249	EM Circuits, conduits and wires with fittings	135	LF	18.00	2,430
250	Home Run	203	LF	18.00	3,645
251					
252	<u>Lighting Control</u>				
253	2D- Two Buttons with raise/lower dimming	3	EA	235.73	707
254	DS- Daylight Sensor	1	EA	242.10	242
255	Occupancy Sensor	4	EA	242.10	968
256	RC1D - Room control with (1) dimming relays	2	EA	407.85	816
257	RC3D - Room control with (3) dimming relays	1	EA	407.85	408
258	Conduit, wiring	220	LF	18.00	3,960
259					
260	<u>Miscellaneous</u>				
261	Grounding & bonding	1	LS	500.00	500
262	Sub-trade temps/ gcs	1	LS	3,101.58	3,102
263	Electrical Testing and Commissioning	1	LS	1,447.40	1,447
264	Rigging & Handling	1	LS	950.00	950
265	Vibration Isolation	1	LS	1,150.00	1,150
266	Coring/firestopping	1	LS	750.00	750
267	Temporary light and power	1	LS		<i>Incl. above</i>
268	<u>Communication</u>				
269	Allow For Communication	722	SF	5.00	3,610
270	Voice/data outlet	1	EA		<i>Incl in above</i>
271	Data Outlet with two data jacks	4	EA		<i>Incl in above</i>
272	Back box for above devices	5	EA		<i>Incl in above</i>
273	Conduit, wiring and testing For above Device	5	EA		<i>Incl in above</i>
<b>TOTAL CONSTRUCTION COST</b>					<b>10,68,842</b>