

TAKEOFF & COST ESTIMATE



HANSHULI SWIFE

Job Name:  
Address:  
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	Lab Cost	Mat Cost	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
<b>GENERAL REQUIREMENTS</b>										
1	Permit (.07% of project value)	0.0	fee	0%	0.00			\$ -	\$ -	
2	Private inspections	0.0	fee	0%	0.00			\$ -	\$ -	
3	Recompense (city of ATI)	0.0	trees	0%	0.00			\$ -	\$ -	
4	Prints	0.0	ea	0%	0.00			\$ -	\$ -	
5	Cover/protect	0.0	ea	0%	0.00			\$ -	\$ -	
6	Cover/protect materials	0.0	ea	0%	0.00			\$ -	\$ -	
7	Scaffolding	0.0	ea	0%	0.00			\$ -	\$ -	
8	Debris haul off	0.0	load	0%	0.00			\$ -	\$ -	
9	Dumpster	0.0	units	0%	0.00			\$ -	\$ -	
10	Portoliet	0.0	mo	0%	0.00			\$ -	\$ -	
11	Site plan	0.0	Fee	0%	0.00			\$ -	\$ -	
									<b>Sub Total</b>	<b>50</b>
<b>DEMOLITION</b>										
<b>Site</b>										
12	Remove And Relocated Existing Panel P	1	EA	0%	1.00		\$ -	\$ -	\$ -	
13	Remove And Relocated Existing Parking CDP	1	EA	0%	1.00		\$ -	\$ -	\$ -	
14	Remove And Re Install Existing Camera	1	EA	0%	1.00		\$ -	\$ -	\$ -	
15	Remove And Relocated Existing Panel P3	1	EA	0%	1.00		\$ -	\$ -	\$ -	
									<b>Sub Total</b>	<b>50</b>
<b>ELECTRICAL</b>										
<b>Site</b>										
<b>Receptacle</b>										
16	Duplex Receptacle	239	EA	0%	239.00		\$ -	\$ -	\$ -	
17	WP Duplex Receptacle	6	EA	0%	6.00		\$ -	\$ -	\$ -	
<b>Transformer</b>										
18	(300kva) Outdoor Rated Electric Transformer	1	EA	0%	1.00		\$ -	\$ -	\$ -	
19	Transformer By MB Hydro	1	EA	0%	1.00		\$ -	\$ -	\$ -	
20	(1200 A, 347/600V, 4W) Electrical CSTE	1	EA	0%	1.00		\$ -	\$ -	\$ -	
21	(350KW) Diesel Generator w/ Awinterized Sound Proof	1	EA	0%	1.00		\$ -	\$ -	\$ -	
<b>MAIN BUILDING</b>										
<b>Power</b>										
<b>Receptacle</b>										
22	15/20A T - Slot Receptacle - GFCI - WP	8	EA	0%	8.00		\$ -	\$ -	\$ -	
23	15/20A T - slot Receptacle	108	EA	0%	108.00		\$ -	\$ -	\$ -	
24	15/20A T - Slot Receptacle - GFCI	37	EA	0%	37.00		\$ -	\$ -	\$ -	
25	15/20A T - Slot Receptacle - M,GFCI	15	EA	0%	15.00		\$ -	\$ -	\$ -	
26	Quad Receptacle	57	EA	0%	57.00		\$ -	\$ -	\$ -	
27	Quad TVSS Receptacle	44	EA	0%	44.00		\$ -	\$ -	\$ -	
28	Duplex Receptacle - GFCI	9	EA	0%	9.00		\$ -	\$ -	\$ -	
29	Special Receptacle	23	EA	0%	23.00		\$ -	\$ -	\$ -	
30	TVSS Receptacle	34	EA	0%	34.00		\$ -	\$ -	\$ -	
31	Single Pole Receptacle	3	EA	0%	3.00		\$ -	\$ -	\$ -	
<b>Switches</b>										
32	Disconnect Switch	3	EA	0%	3.00		\$ -	\$ -	\$ -	
33	Disconnect Switch - 120V/1P	54	EA	0%	54.00		\$ -	\$ -	\$ -	
34	Disconnect Switch - 600V/3P	1	EA	0%	1.00		\$ -	\$ -	\$ -	
35	Disconnect Switch - WP	2	EA	0%	2.00		\$ -	\$ -	\$ -	
36	Disconnect Switch - 120V/1P/2A	1	EA	0%	1.00		\$ -	\$ -	\$ -	
37	Disconnect Switch - 120V/1P/4A	2	EA	0%	2.00		\$ -	\$ -	\$ -	
38	Disconnect Switch - 208V/3P	1	EA	0%	1.00		\$ -	\$ -	\$ -	
39	Disconnect Switch - 600V/3P/12A	2	EA	0%	2.00		\$ -	\$ -	\$ -	
40	Single Switch	4	EA	0%	4.00		\$ -	\$ -	\$ -	
41	Fusible Disconnect Switch For Elevator Power	2	EA	0%	2.00		\$ -	\$ -	\$ -	
42	Fusible Disconnect Switch For Elevator Car Light	6	EA	0%	6.00		\$ -	\$ -	\$ -	
<b>Connections</b>										
43	Direct Connection	8	EA	0%	8.00		\$ -	\$ -	\$ -	
44	Equipment Load Connection	4	EA	0%	4.00		\$ -	\$ -	\$ -	
<b>Miscellaneous</b>										
45	LVC	2	EA	0%	2.00		\$ -	\$ -	\$ -	
46	Box Termination Cross - Connect	5	EA	0%	5.00		\$ -	\$ -	\$ -	
47	Power Converter	1	EA	0%	1.00		\$ -	\$ -	\$ -	
48	(20A) Power Circuit / Field Equipment	39	EA	0%	39.00		\$ -	\$ -	\$ -	
49	Hardwire Paper Towel Dispenser - PTD	23	EA	0%	23.00		\$ -	\$ -	\$ -	
50	Floor Box ' FB1' - Gauge #: (168 EA) - Data outlet: (168 EA) - Duplex Receptacles: (84 EA) - USB Ports: (84 EA) - Model No: Wire Mold 8ATC	42	EA	0%	42.00		\$ -	\$ -	\$ -	
<b>Single Line Diagram SLD</b>										
<b>Pannels</b>										
51	EE12A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
52	EE32B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
53	EE32A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
54	EE42A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
55	EE52A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
56	EE66A - 600V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
57	ENE12A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
58	ENE32A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
59	ENE52A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
60	ENE66A - 600V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
61	LD2 - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
62	LD2A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
63	LD2B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
64	L12A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
65	L12B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
66	L22A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
67	L32A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
68	L32B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
69	L42A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
70	L42B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
71	L52A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
72	L52B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
73	M62A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
74	M66A - 600V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
75	P12A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
76	P12B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
77	P12C - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
78	P22A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
79	P22B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
80	P22C - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
81	P32A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
82	P32B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
83	P32C - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
84	P42A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
85	P42B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
86	P42C - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
87	P52A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
88	P52A - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	
89	P52B - 208V/3P/4W	1	EA	0%	1.00		\$ -	\$ -	\$ -	

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90	P52C - 208V/3P/4W	1	EA	0%	1.00	-	\$	-	\$	-
91	T02A - 208V/3P/4W	1	EA	0%	1.00	-	\$	-	\$	-
92	T12A - 208V/3P/4W	1	EA	0%	1.00	-	\$	-	\$	-
93	T22A - 208V/3P/4W	1	EA	0%	1.00	-	\$	-	\$	-
94	T42A - 208V/3P/4W	1	EA	0%	1.00	-	\$	-	\$	-
95	Remote Generator Annunciator Panel	1	EA	0%	1.00	-	\$	-	\$	-
<b>Circuit Breakers</b>										
96	40A/3P - Circuit Breaker	3	EA	0%	3.00	-	\$	-	\$	-
97	60A/3P - Circuit Breaker	9	EA	0%	9.00	-	\$	-	\$	-
98	90A/3P - Circuit Breaker	4	EA	0%	4.00	-	\$	-	\$	-
99	100A/3P - Circuit Breaker	22	EA	0%	22.00	-	\$	-	\$	-
100	150A/3P - Circuit Breaker	1	EA	0%	1.00	-	\$	-	\$	-
101	200A/3P - Circuit Breaker	13	EA	0%	13.00	-	\$	-	\$	-
102	250A/3P - Circuit Breaker	1	EA	0%	1.00	-	\$	-	\$	-
103	300A/3P - Circuit Breaker	1	EA	0%	1.00	-	\$	-	\$	-
104	400A/3P - Circuit Breaker	6	EA	0%	6.00	-	\$	-	\$	-
105	600A/3P - Circuit Breaker	1	EA	0%	1.00	-	\$	-	\$	-
106	600AT, 800AF/3P - Circuit Breaker	1	EA	0%	1.00	-	\$	-	\$	-
107	1200A/3P LSI6 - Circuit Breaker	1	EA	0%	1.00	-	\$	-	\$	-
<b>Transformers</b>										
108	ENETR - 1A, 45kVA, 600 - 120/208V (LVL 100) Transformer	2	EA	0%	2.00	-	\$	-	\$	-
109	ENETR - 3A, 30kVA, 600 - 120/208V (LVL 300) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
110	ENETR - 3A, 45kVA, 600 - 120/208V (LVL 300) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
111	ENETR - 5A, 30kVA, 600 - 120/208V (LVL 500) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
112	ENETR - 5A, 45kVA, 600 - 120/208V (LVL 500) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
113	TR - 0A, 150kVA, 600 - 120/208V (LVL 000) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
114	TR - 1A, 45kVA, 600 - 120/208V (LVL 100) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
115	TR - 1C, 45kVA, 600 - 120/208V (LVL 100) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
116	TR - 1B, 75kVA, 600 - 120/208V (LVL 100) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
117	TR - 2A, 75kVA, 600 - 120/208V (LVL 200) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
118	TR - 3A, 45kVA, 600 - 120/208V (LVL 300) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
119	TR - 3B, 225kVA, 600 - 120/208V (LVL 300) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
120	TR - 5, 112.5kVA, 600 - 120/208V (LVL 500) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
121	TR - 5A, 45kVA, 600 - 120/208V (LVL 500) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
122	TR - 6A, 75kVA, 600 - 120/208V (LVL 600) Transformer	1	EA	0%	1.00	-	\$	-	\$	-
123	Current Transformer	14	EA	0%	14.00	-	\$	-	\$	-
<b>Meters</b>										
124	Current Meter	1	EA	0%	1.00	-	\$	-	\$	-
125	Digital Meter 'DM'	9	EA	0%	9.00	-	\$	-	\$	-
<b>Main Distribution Board &amp; Sub Distribution Board</b>										
126	(1200A,347/600V, 3P, 3W) MD-06A	1	EA	0%	1.00	-	\$	-	\$	-
127	(600A,120/208V, 3P, 4W) SD-02A	1	EA	0%	1.00	-	\$	-	\$	-
128	(400A,120/208V, 3P, 4W) SD-16A	1	EA	0%	1.00	-	\$	-	\$	-
129	(200A,120/208V, 3P, 4W) SD-12A	1	EA	0%	1.00	-	\$	-	\$	-
130	(400A,120/208V, 3P, 3W) SD-12B	1	EA	0%	1.00	-	\$	-	\$	-
131	(400A,120/208V, 3P, 4W) SD-22A	1	EA	0%	1.00	-	\$	-	\$	-
132	(400A,347/600V, 3P, 4W) SD-36A	1	EA	0%	1.00	-	\$	-	\$	-
133	(200A,347/600V, 3P, 4W) SD-56A	1	EA	0%	1.00	-	\$	-	\$	-
134	(200A,120/208V, 3P, 4W) SD-32A	1	EA	0%	1.00	-	\$	-	\$	-
135	(200A,120/208V, 3P, 4W) SD-32A	1	EA	0%	1.00	-	\$	-	\$	-
136	(400A,120/208V, 3P, 4W) SD-52B	1	EA	0%	1.00	-	\$	-	\$	-
137	(1000A,120/208V, 3P, 4W) SD-32B	1	EA	0%	1.00	-	\$	-	\$	-
138	(400A,347/600V, 3P, 4W) ESD-06A	1	EA	0%	1.00	-	\$	-	\$	-
139	(400A,347/600V, 3P, 4W) ESD-06B	1	EA	0%	1.00	-	\$	-	\$	-
<b>UPS</b>										
140	50 kVA UPS	1	EA	0%	1.00	-	\$	-	\$	-
<b>Switches</b>										
141	400A Essential ATS	1	EA	0%	1.00	-	\$	-	\$	-
142	400A Life Safety ATS	1	EA	0%	1.00	-	\$	-	\$	-
<b>Lighting</b>										
(2' x 4') Recessed Led C/W 600 Lumen Output '1'										
- Manufacturer: Lithonia										
143	- Model No: 2BLT4-60L-ADSM-EZ1-LP840-N100	60	EA	0%	60.00	-	\$	-	\$	-
- Volts: 120 Volt										
- Watts: 38										
(2' x 4') Recessed Led C/W 600 Lumen Output With Emergency Battery Backup '1'										
- Manufacturer: Lithonia										
144	- Model No: 2BLT4-60L-ADSM-EZ1-LP840-N100	7	EA	0%	7.00	-	\$	-	\$	-
- Volts: 120 Volt										
- Watts: 38										
(2' x 4') Recessed Led C/W 600 Lumen Output '2'										
- Manufacturer: Lithonia										
145	- Model No: 2BLT4-60L-ADSM-EZ1-LP840-N100-NESPD7	38	EA	0%	38.00	-	\$	-	\$	-
- Volts: 120 Volt										
- Watts: 48										
(2' x 4') Recessed Led C/W 600 Lumen Output With Emergency Battery Backup '2'										
- Manufacturer: Lithonia										
146	- Model No: 2BLT4-60L-ADSM-EZ1-LP840-N100-NESPD7	16	EA	0%	16.00	-	\$	-	\$	-
- Volts: 120 Volt										
- Watts: 48										
(4') Recessed Led Luminaire '3'										
- Manufacturer: Mark Architect Lighting										
147	- Model No: AL4L-LOP-4FT-FLP-FL-90CRI-40K-1000LMF-DARK-120-NLIGHT	34	EA	0%	34.00	-	\$	-	\$	-
- Volts: 120 Volt										
- Watts: 40										
(4') Recessed Led Luminaire With Emergency Battery Backup '3'										
- Manufacturer: Mark Architect Lighting										
148	- Model No: AL4L-LOP-4FT-FLP-FL-90CRI-40K-1000LMF-DARK-120-NLIGHT	8	EA	0%	8.00	-	\$	-	\$	-
- Volts: 120 Volt										
- Watts: 40										
Led Downlight '4'										
- Manufacturer: Indy										
149	- Model No: L6-33LM-4000K-120-G4-80CRI-EZ1-NL-HW	94	EA	0%	94.00	-	\$	-	\$	-
- Volts: 120 Volt										
- Watts: 34										
Led Downlight With Emergency Battery Backup '4'										
- Manufacturer: Indy										
150	- Model No: L6-33LM-4000K-120-G4-80CRI-EZ1-NL-HW	14	EA	0%	14.00	-	\$	-	\$	-
- Volts: 120 Volt										
- Watts: 34										
(16') Wall Mounted Direct/Indirect Led Linear Luminaire With Emergency Battery Backup '5'										
- Manufacturer: Mark Architect Lighting										
151	- Model No: S41WD-L1P-16LF-MSL8-90CRI-40K-6000LMF-180CRI-140K-1800LMF-SCT-DARK-FLL-120-NLIGHT	5	EA	0%	5.00	-	\$	-	\$	-
- Volts: 120										
- Watts: 153										
(4') Led Wall Fixture C/W Integrated Occupancy Sensor With Emergency Battery Backup '6'										
- Manufacturer: Lithonia										
152	- Model No: WL4-40L-MVOLT-EZ1-LP840-N100-RES7PDT-D110	22	EA	0%	22.00	-	\$	-	\$	-
- Volts: 120 Volt										
- Watts: 40										

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153	(2' X 4') Recessed Led Troffer C/W Grid Trim C/W White Finish, Night Capable And 0-10V Dimming '7' - Manufacturer: Lithonia - Model No: 2BZL4 60L E21 LP840 N100 - Volts: 120 Volt - Watts: 58	236	EA	0%	236.00	-	\$ -	\$ -	\$ -	-
154	(2' X 4') Recessed Led Troffer C/W Grid Trim C/W White Finish, Night Capable And 0-10V Dimming With Emergency Battery Backup '7' - Manufacturer: Lithonia - Model No: 2BZL4 60L E21 LP840 N100 - Volts: 120 Volt - Watts: 58	3	EA	0%	3.00	-	\$ -	\$ -	\$ -	-
155	(2440mm) Low-Pro Led Strip Fixture C/W Frosted Diffuse Lens and Integral '8' - Manufacturer: Lithonia - Model No: TZL 1N -L96-1000LM-FST-MVOLT-40K-80CRI-NLTAIR-RLSXR10-WH - Volts: 120 Volt - Watts: 72	24	EA	0%	24.00	-	\$ -	\$ -	\$ -	-
156	(2440mm) Low-Pro Led Strip Fixture C/W Frosted Diffuse Lens and Integral With Emergency Battery Backup '8' - Manufacturer: Lithonia - Model No: TZL 1N -L96-1000LM-FST-MVOLT-40K-80CRI-NLTAIR-RLSXR10-WH - Volts: 120 Volt - Watts: 72	14	EA	0%	14.00	-	\$ -	\$ -	\$ -	-
157	(6') Led Downlight '9' - Manufacturer: Indy - Model No: L6-15LM-40K-120-G4-80CRI-EZ1-NL-HW-WET - Volts: 120 Volt - Watts: 14	3	EA	0%	3.00	-	\$ -	\$ -	\$ -	-
158	Led Wall Mounted Luminaire '10' - Manufacturer: Lithonia - Model No: WDGE2-LED-P2-40K-80CRI-VVMVOLT-SRM - Volts: 120 Volt - Watts: 15	11	EA	0%	11.00	-	\$ -	\$ -	\$ -	-
159	(1220mm) Low-Pro Led Strip Fixture C/W Frosted Diffuse Lens '11' - Manufacturer: Lithonia - Model No: ZL 1N-L48-5000LM-FST-MVOLT-40K-80CRI-WH - Volts: 120 Volt - Watts: 36	101	EA	0%	101.00	-	\$ -	\$ -	\$ -	-
160	(1220mm) Low-Pro Led Strip Fixture C/W Frosted Diffuse Lens With Emergency Battery Backup '11' - Manufacturer: Lithonia - Model No: ZL 1N-L48-5000LM-FST-MVOLT-40K-80CRI-WH - Volts: 120 Volt - Watts: 36	34	EA	0%	34.00	-	\$ -	\$ -	\$ -	-
161	(10') Surface Mounted Direct/Indirect Led Linear Luminaire C/ W White Finish '12' - Manufacturer: Lumenwerx - Model No: VIA2S-D-HLO-FH-SW-80CRI-750LMF-40K-10FT-120-ELDO-EC-OCS - Volts: 120 Volt - Watts: 72	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
162	(10') Surface Mounted Direct/Indirect Led Linear Luminaire C/ W White Finish With Emergency Battery Backup '12' - Manufacturer: Lumenwerx - Model No: VIA2S-D-HLO-FH-SW-80CRI-750LMF-40K-10FT-120-ELDO-EC-OCS - Volts: 120 Volt - Watts: 72	5	EA	0%	5.00	-	\$ -	\$ -	\$ -	-
163	(3') Wall Mounted Direct/Indirect Led Linear Luminaire C/W White Finish '13' - Manufacturer: Mark Architect Lighting - Model No: S4WID-LLP-3FT-MSL3-80CRI-40K-600LMF-180CRI-140K-1800LMF-SCT-DARK-FLL-120-NLIGHT - Volts: 120 Volt - Watts: 28	9	EA	0%	9.00	-	\$ -	\$ -	\$ -	-
164	(4') Suspended Direct Led Linear Luminaire C/W White Finish '15' - Manufacturer: Mark Architect Lighting - Model No: S4DP-LLP-4FT-MSL4-80CRI-40K-1000LMF-SCT-DARK-FLL-120-NLIGHT-F2/144A-RDCY - Volts: 120 Volt - Watts: 32	19	EA	0%	19.00	-	\$ -	\$ -	\$ -	-
165	(4') Suspended Direct Led Linear Luminaire C/W White Finish With Emergency Battery Backup '15' - Manufacturer: Mark Architect Lighting - Model No: S4DP-LLP-4FT-MSL4-80CRI-40K-1000LMF-SCT-DARK-FLL-120-NLIGHT-F2/144A-RDCY - Volts: 120 Volt - Watts: 32	9	EA	0%	9.00	-	\$ -	\$ -	\$ -	-
166	(6') Suspended Direct Led Linear Luminaire C/W White Finish '16' - Manufacturer: Mark Architect Lighting - Model No: S4DP-LLP-6FT-MSL8-80CRI-40K-1000LMF-SCT-DARK-FLL-120-NLIGHT-F2/144A-RDCY - Volts: 120 Volt - Watts: 48	8	EA	0%	8.00	-	\$ -	\$ -	\$ -	-
167	(6') Suspended Direct Led Linear Luminaire C/W White Finish With Emergency Battery Backup '16' - Manufacturer: Mark Architect Lighting - Model No: S4DP-LLP-6FT-MSL8-80CRI-40K-1000LMF-SCT-DARK-FLL-120-NLIGHT-F2/144A-RDCY - Volts: 120 Volt - Watts: 48	5	EA	0%	5.00	-	\$ -	\$ -	\$ -	-
168	(1220mm) Low Pro Led Strip Fixture C/W Frosted Diffuse Lens And Wireguard '17' - Manufacturer: Lithonia - Model No: ZL1N-L48-5000LM-FST-MVOLT-40K-80CRI-WH-WGZ48 - Volts: 120 Volt - Watts: 36	4	EA	0%	4.00	-	\$ -	\$ -	\$ -	-
169	(1220mm) Low Pro Led Strip Fixture C/W Frosted Diffuse Lens And Wireguard With Emergency Battery Backup '17' - Manufacturer: Lithonia - Model No: ZL1N-L48-5000LM-FST-MVOLT-40K-80CRI-WH-WGZ48 - Volts: 120 Volt - Watts: 36	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
170	Linear Recessed led track Luminaire '18' - Manufacturer: Lumenwerx - Track: PIVP-PAT-#FFTH#IN-WIO2-1LNH2-120-D1-DUC-2C2CDDI-ACC - Volts: 120 Volt	24	LM	0%	24.00	-	\$ -	\$ -	\$ -	-
171	Linear Recessed led track Head Luminaire '18' - Manufacturer: Lumenwerx - Modules: PIVHLOD-0.5D-4FT-SW-80CRI-1000LMF-40K-DUC1, PIV2CY-9IN-SW-WFL-80CRI-900ML-40K-SDB-12IN-DUC2, PIVBLA-FAC-2FT - Volts: 120 Volt	9	EA	0%	9.00	-	\$ -	\$ -	\$ -	-
172	Linear Recessed led track Luminaire '19' - Manufacturer: Lumenwerx - Track: MIPVR-D-PAT-#FFTH#IN-6LEVC90-120-RD1-DMF-1C - Modules: MIPVHLO-#FT-SW-80CRI-600LMF-40K - Volts: 120 Volt	57	LM	0%	57.00	-	\$ -	\$ -	\$ -	-
173	Linear Recessed led track Luminaire With Emergency Battery Backup '19' - Manufacturer: Lumenwerx - Track: MIPVR-D-PAT-#FFTH#IN-6LEVC90-120-RD1-DMF-1C - Modules: MIPVHLO-#FT-SW-80CRI-600LMF-40K - Volts: 120 Volt	17	LM	0%	17.00	-	\$ -	\$ -	\$ -	-
174	Linear recessed Led Complete C/W Downlight Section With Emergency Battery Backup '20' - Manufacturer: Lumenwerx - Model: VIASR-D-HLO-FH-SW-90CRI-1000LMF-40K-23FT-120V-ELDO-2MC-DTR-AN-3COB40-SW-90CRI-1800LM-40K - Volts: 120 Volt	4	EA	0%	4.00	-	\$ -	\$ -	\$ -	-
175	Linear recessed Led Complete C/W Downlight Section '21' - Manufacturer: Lumenwerx - Model: VIASR-D-HLO-FH-SW-90CRI-1000LMF-40K-14FT6IN-120V-ELDO-2MC-DTR-AN-3COB40-SW-90CRI-1800LM-40K - Volts: 120 Volt	2	EA	0%	2.00	-	\$ -	\$ -	\$ -	-

TAKEOFF & COST ESTIMATE



Job Name:  
Address:  
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/WASTAGE	Lab Cost	Mat Cost	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
176	Linear recessed Led Complete C/W Downlight Section '22' - Manufacturer: Lumenwerx - Model: VIASR-D-HLO-FH-SW-90CRI-1000LMF-40K-10FT-120V-ELDO-2MC-DTR-AN-2COB40-SW-90CRI-1800LM-40K - Volts: 120 Volt	2	EA	0%	2.00	-	\$ -	\$ -	\$ -	-
177	Square Led downlight '23' - Manufacturer: Gotham - Model: IV06SQS-D-30LM-40K-80CRI-WD-120-DARK-NLIGHT-NCH - Volts: 120 Volt - Watts: 27	10	EA	0%	10.00	-	\$ -	\$ -	\$ -	-
178	Square Led downlight With Emergency Battery Backup '23' - Manufacturer: Gotham - Model: IV06SQS-D-30LM-40K-80CRI-WD-120-DARK-NLIGHT-NCH - Volts: 120 Volt - Watts: 27	6	EA	0%	6.00	-	\$ -	\$ -	\$ -	-
179	Wall Mounted Linear Led Luminaire '25' - Manufacturer: Mark Architect Lighting - Model: S2WD-LIP-56.6FT-MSL8-80CRI-40K-1000LMF-SCT-DARK-FL-120-NLIGHT - Volts: 120 Volt	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
180	Led recessed Pathway Luminaire '24' - Manufacturer: Hydrel - Model: HSL13-9INCH-LED-40K-MVOLT-L-MINS-BB - Volts: 120 Volt - Watts: 9	8	EA	0%	8.00	-	\$ -	\$ -	\$ -	-
181	Patterned Surface Mounted Direct Led Linear Luminaire C/W White Finish With Emergency Battery Backup '26' - Manufacturer: Lumenwerx - Model: VIA2SPAT-D-HLO-FH-SW-80CRI-750LMF-40K-#FT-120-ELDO-EC - Volts: 120 Volt	55	LM	0%	55.00	-	\$ -	\$ -	\$ -	-
182	(2440mm) Low-Pro Led Strip Fixture C/W Frosted Diffuse Lens and Occupancy Sensor '27' - Manufacturer: Lithonia - Model No: ZL1N-L48-5000LM-FST-MVOLT-40K-80CRI-NLTAIR2-RLXR10-WH - Volts: 120 Volt - Watts: 36	24	EA	0%	24.00	-	\$ -	\$ -	\$ -	-
183	(2440mm) Low-Pro Led Strip Fixture C/W Frosted Diffuse Lens and Occupancy Sensor With Emergency Battery Backup '27' - Manufacturer: Lithonia - Model No: ZL1N-L48-5000LM-FST-MVOLT-40K-80CRI-NLTAIR2-RLXR10-WH - Volts: 120 Volt - Watts: 36	12	EA	0%	12.00	-	\$ -	\$ -	\$ -	-
184	Exit Light Compliant With CSA C860 C/W Extruded Aluminum Construction 'E1' - Voltage: UNV - Lamps: 1.5W LED - Lumacell: LA-1/2-B-U	34	EA	0%	34.00	-	\$ -	\$ -	\$ -	-
185	Single Face Exit Sign - Arrow Indicate Direction With CSA C860 C/W Extruded Aluminum Construction 'E1' - Voltage: UNV - Lamps: 1.5W LED - Lumacell: LA-1/2-B-U	22	EA	0%	22.00	-	\$ -	\$ -	\$ -	-
186	Emergency Battery Unit C/W Solid State Pulse Charger Transfer Relay 'E2' - Voltage: 120V - Lumacell: RG12S360-AT CT LITS TL TMBB	3	EA	0%	3.00	-	\$ -	\$ -	\$ -	-
187	Double Head Exit Sign	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
188	Single Gang Light With Sounder	13	EA	0%	13.00	-	\$ -	\$ -	\$ -	-
189	Flush Mounted Occupied When Lit Green Led Annunciator	13	EA	0%	13.00	-	\$ -	\$ -	\$ -	-
	<b>Lighting Controls</b>									
	<b>Switches</b>									
190	Single Pole Switch	3	EA	0%	3.00	-	\$ -	\$ -	\$ -	-
191	Low Voltage Switching Station 'LV1'	34	EA	0%	34.00	-	\$ -	\$ -	\$ -	-
192	Low Voltage Switching Station 'LV2'	14	EA	0%	14.00	-	\$ -	\$ -	\$ -	-
193	Low Voltage Switching Station 'LV3'	25	EA	0%	25.00	-	\$ -	\$ -	\$ -	-
	<b>Wiring &amp; Conduits</b>									
194	#14 FPLP	951	M	5%	998.93	-	\$ -	\$ -	\$ -	-
195	#18 FPLP	1561	M	5%	1639.21	-	\$ -	\$ -	\$ -	-
196	#22 FPLP	1906	M	5%	1996.38	-	\$ -	\$ -	\$ -	-
197	#12 Cu THWN/THHN	48862	M	5%	51305.54	-	\$ -	\$ -	\$ -	-
198	#10 Cu THWN/THHN	496	M	5%	520.52	-	\$ -	\$ -	\$ -	-
199	#8 Cu THWN/THHN	246	M	5%	258.05	-	\$ -	\$ -	\$ -	-
200	#6 Cu THWN/THHN	406	M	5%	426.67	-	\$ -	\$ -	\$ -	-
201	#3 Cu THWN/THHN	358	M	5%	376.03	-	\$ -	\$ -	\$ -	-
202	#2 Cu THWN/THHN	367	M	5%	385.46	-	\$ -	\$ -	\$ -	-
203	#4/0 THWN/THHN Cu	23	M	5%	23.64	-	\$ -	\$ -	\$ -	-
204	#3/0 THWN/THHN Cu	289	M	5%	303.06	-	\$ -	\$ -	\$ -	-
205	#2/0 THWN/THHN Cu	109	M	5%	114.89	-	\$ -	\$ -	\$ -	-
206	#2/0MCM THWN/THHN Cu	38	M	5%	39.40	-	\$ -	\$ -	\$ -	-
207	#1/0 THWN/THHN Cu	75	M	5%	78.41	-	\$ -	\$ -	\$ -	-
208	#500MCM THWN/THHN Cu	185	M	5%	193.93	-	\$ -	\$ -	\$ -	-
209	#750MCM THWN/THHN Cu	134	M	5%	140.81	-	\$ -	\$ -	\$ -	-
210	#350MCM THWN/THHN Cu	143	M	5%	149.77	-	\$ -	\$ -	\$ -	-
211	#300MCM THWN/THHN Cu	91	M	5%	95.05	-	\$ -	\$ -	\$ -	-
212	#250MCM THWN/THHN Cu	28	M	5%	29.70	-	\$ -	\$ -	\$ -	-
213	14 GA Black Audio Cable	234	M	5%	245.60	-	\$ -	\$ -	\$ -	-
214	16 GA Black Audio Cable	142	M	5%	149.31	-	\$ -	\$ -	\$ -	-
215	18 GA Black Audio Cable	1328	M	5%	1394.37	-	\$ -	\$ -	\$ -	-
216	Audio Black Cable	1379	M	5%	1448.07	-	\$ -	\$ -	\$ -	-
217	Cat6 R45 Cable	9313	M	5%	9778.65	-	\$ -	\$ -	\$ -	-
218	Cat 6A U/UTP Green Jacket Cable	753	M	5%	790.79	-	\$ -	\$ -	\$ -	-
219	CAT6A U/UTP Green Jacket Cable	417	M	5%	437.64	-	\$ -	\$ -	\$ -	-
220	Grey Multi-Mode Fiber, Duplex FT4 Rated Zip cord Cable	135	M	5%	141.96	-	\$ -	\$ -	\$ -	-
221	Low Voltage 18 GA Power Cable	422	M	5%	442.84	-	\$ -	\$ -	\$ -	-
222	Low Voltage RS-232 Control Cable	900	M	5%	944.90	-	\$ -	\$ -	\$ -	-
223	RG213/U Coaxial Cable	17	M	5%	18.00	-	\$ -	\$ -	\$ -	-
224	Series 6 Coaxial Cable	21	M	5%	22.36	-	\$ -	\$ -	\$ -	-
225	Series 6 BF Coaxial Cable	8	M	5%	8.46	-	\$ -	\$ -	\$ -	-
	<b>Conduits</b>									
226	13mm EMT Conduit	245	M	5%	257.46	-	\$ -	\$ -	\$ -	-
227	16mm EMT Conduit	16327	M	5%	17143.67	-	\$ -	\$ -	\$ -	-
228	16mm PVC Conduit	426	M	5%	447.35	-	\$ -	\$ -	\$ -	-
229	21mm EMT Conduit	137	M	5%	143.54	-	\$ -	\$ -	\$ -	-
230	25mm EMT Conduit	548	M	5%	575.09	-	\$ -	\$ -	\$ -	-
231	25mm PVC Conduit	5	M	5%	4.83	-	\$ -	\$ -	\$ -	-
232	51mm EMT Conduit	73	M	5%	77.05	-	\$ -	\$ -	\$ -	-
233	51mm PVC Conduit	29	M	5%	30.69	-	\$ -	\$ -	\$ -	-
234	53mm PVC Conduit	13	M	5%	13.17	-	\$ -	\$ -	\$ -	-
235	103mm EMT Conduit	41	M	5%	42.56	-	\$ -	\$ -	\$ -	-
236	27mm PVC Conduit	19	M	5%	19.84	-	\$ -	\$ -	\$ -	-
237	27mm EMT Conduit	40	M	5%	42.24	-	\$ -	\$ -	\$ -	-
238	35mm EMT Conduit	102	M	5%	107.21	-	\$ -	\$ -	\$ -	-
239	35mm PVC Conduit	9	M	5%	9.62	-	\$ -	\$ -	\$ -	-
240	41mm EMT Conduit	5	M	5%	4.77	-	\$ -	\$ -	\$ -	-
241	53mm EMT Conduit	97	M	5%	101.77	-	\$ -	\$ -	\$ -	-
242	53mm PVC Conduit	27	M	5%	27.84	-	\$ -	\$ -	\$ -	-
243	63mm EMT Conduit	16	M	5%	16.64	-	\$ -	\$ -	\$ -	-
244	63mm PVC Conduit	11	M	5%	11.88	-	\$ -	\$ -	\$ -	-
245	91mm EMT Conduit	34	M	5%	35.39	-	\$ -	\$ -	\$ -	-
246	91mm PVC Conduit	16	M	5%	16.64	-	\$ -	\$ -	\$ -	-

TAKEOFF & COST ESTIMATE



Job Name:  
Address:  
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	Lab Cost	Mat Cost	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
247	78mm Communication Conduit	356	M	5%	373.47	-	\$ -	\$ -	\$ -	-
248	103mm Communication Conduit	35	M	5%	36.27	-	\$ -	\$ -	\$ -	-
	<b>Cable Trays</b>									
249	300mm Wide x 100mm Deep Cable Tray	141	M	5%	148.17	-	\$ -	\$ -	\$ -	-
<b>Sub Total</b>										<b>50</b>

COMMUNICATION / CONTROL SYSTEM

COMMUNICATION / CONTROL SYSTEM										
<b>Site</b>										
<b>Camera</b>										
250	Exterior Camera	4	EA	0%	4.00	-	\$ -	\$ -	\$ -	-
251	Card Reader	101	EA	0%	101.00	-	\$ -	\$ -	\$ -	-
252	Electric Door Strike	111	EA	0%	111.00	-	\$ -	\$ -	\$ -	-
<b>MAIN BUILDING</b>										
<b>Outlet</b>										
253	Network Outlet	415	EA	0%	415.00	-	\$ -	\$ -	\$ -	-
254	Telephone Outlet	13	EA	0%	13.00	-	\$ -	\$ -	\$ -	-
<b>Camera</b>										
255	Interior Security Camera	103	EA	0%	103.00	-	\$ -	\$ -	\$ -	-
<b>Speaker</b>										
256	Ceiling Mounted Speaker	86	EA	0%	86.00	-	\$ -	\$ -	\$ -	-
<b>Boxes</b>										
257	AV AUX Connections Junction Box	2	EA	0%	2.00	-	\$ -	\$ -	\$ -	-
258	Assisted Listening Antenna Junction Box	2	EA	0%	2.00	-	\$ -	\$ -	\$ -	-
259	AV Cabinet Projector Device Box	4	EA	0%	4.00	-	\$ -	\$ -	\$ -	-
260	AV Microphone Device Box	51	EA	0%	51.00	-	\$ -	\$ -	\$ -	-
261	AV Microphone Custom Junction Box	2	EA	0%	2.00	-	\$ -	\$ -	\$ -	-
262	AV Wiring Pullbox	13	EA	0%	13.00	-	\$ -	\$ -	\$ -	-
263	AV Touch Link Panel Device Box	21	EA	0%	21.00	-	\$ -	\$ -	\$ -	-
264	AV PC/Laptop Input Plate Device Box	20	EA	0%	20.00	-	\$ -	\$ -	\$ -	-
265	AV USB Input Plate Device Box	20	EA	0%	20.00	-	\$ -	\$ -	\$ -	-
266	AV LCD Display Junction Box	20	EA	0%	20.00	-	\$ -	\$ -	\$ -	-
<b>Racks</b>										
267	Voice/Data Rack 'RK1'	6	EA	0%	6.00	-	\$ -	\$ -	\$ -	-
268	Voice/Data Rack 'RK2'	5	EA	0%	5.00	-	\$ -	\$ -	\$ -	-
269	Voice/Data Rack 'RK3'	5	EA	0%	5.00	-	\$ -	\$ -	\$ -	-
270	Voice/Data Rack 'RK4'	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
271	Audio/Video 'RK1'	2	EA	0%	2.00	-	\$ -	\$ -	\$ -	-
272	Audio/Video 'RK2'	3	EA	0%	3.00	-	\$ -	\$ -	\$ -	-
273	Audio/Video 'RK3'	2	EA	0%	2.00	-	\$ -	\$ -	\$ -	-
<b>Boxes</b>										
274	AV Assisted Listening Antenna Junction Box	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
275	AV LCD Display Monitor Junction Box	2	EA	0%	2.00	-	\$ -	\$ -	\$ -	-
276	AV Custom I/O Panel	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
277	AV Future Digital Wireless Microphone Device Box	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
<b>Miscellaneous</b>										
278	Electric Door Operator	64	EA	0%	64.00	-	\$ -	\$ -	\$ -	-
279	Wall Mounted Clock	44	EA	0%	44.00	-	\$ -	\$ -	\$ -	-
280	Panic Push-button	6	EA	0%	6.00	-	\$ -	\$ -	\$ -	-
281	Telecommunication Ground Bus Bar	6	EA	0%	6.00	-	\$ -	\$ -	\$ -	-
282	Door Contact	19	EA	0%	19.00	-	\$ -	\$ -	\$ -	-
283	Push Button	137	EA	0%	137.00	-	\$ -	\$ -	\$ -	-
284	Emergency Push Button	12	EA	0%	12.00	-	\$ -	\$ -	\$ -	-
285	KS	3	EA	0%	3.00	-	\$ -	\$ -	\$ -	-
<b>Sub Total</b>										<b>50</b>

SAFETY & SECURITY

SAFETY & SECURITY										
<b>MAIN BUILDING</b>										
<b>Fire Alarm</b>										
286	Fire Alarm Speaker/Strobe	182	EA	0%	182.00	-	\$ -	\$ -	\$ -	-
287	Fire Alarm Manual Pull Station	24	EA	0%	24.00	-	\$ -	\$ -	\$ -	-
<b>Switches</b>										
288	Sprinkler Tamper Switch	8	EA	0%	8.00	-	\$ -	\$ -	\$ -	-
289	Sprinkler Flow Switch	8	EA	0%	8.00	-	\$ -	\$ -	\$ -	-
<b>Fire Alarm Devices</b>										
290	Fire Alarm Control Panel	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
291	Fire Alarm System Auto-Dialer	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
292	Fire Alarm Strobe	2	EA	0%	2.00	-	\$ -	\$ -	\$ -	-
<b>Detectors</b>										
293	Smoke Detector	88	EA	0%	88.00	-	\$ -	\$ -	\$ -	-
294	CO/Smoke Detector	11	EA	0%	11.00	-	\$ -	\$ -	\$ -	-
295	Carbon Monoxide (CO) Detector	2	EA	0%	2.00	-	\$ -	\$ -	\$ -	-
296	Duct Smoke Detector	24	EA	0%	24.00	-	\$ -	\$ -	\$ -	-
297	Heat Detector	7	EA	0%	7.00	-	\$ -	\$ -	\$ -	-
<b>Sensors</b>										
298	Ceiling Mounted Occupancy Sensor	166	EA	0%	166.00	-	\$ -	\$ -	\$ -	-
<b>Miscellaneous</b>										
299	Fire Door Magnetic Hold Open Device	13	EA	0%	13.00	-	\$ -	\$ -	\$ -	-
300	Isolation Module	28	EA	0%	28.00	-	\$ -	\$ -	\$ -	-
301	End Of Line Resistor	7	EA	0%	7.00	-	\$ -	\$ -	\$ -	-
302	Relay Addressable Module	15	EA	0%	15.00	-	\$ -	\$ -	\$ -	-
303	WP Fire Alarm Speaker/Strobe	5	EA	0%	5.00	-	\$ -	\$ -	\$ -	-
304	Fire Alarm Annunciator Panel	1	EA	0%	1.00	-	\$ -	\$ -	\$ -	-
305	Addressable Monitoring Module	18	EA	0%	18.00	-	\$ -	\$ -	\$ -	-
306	Intercom Station	11	EA	0%	11.00	-	\$ -	\$ -	\$ -	-
<b>Sub Total</b>										<b>50</b>

PROJECTED COST

OVERHEAD		10%	\$ -	\$ 0
CONTINGENCY		5%	\$ -	-
INSURANCE		3%	\$ -	-
SUGGESTED BID			\$ -	-