

MATERIAL TAKEOFF AND COST ESTIMATE STATEMENT							
 Date: 24/02/2023 Web: www.mtechestimating.com E-mail: info@mtechestimating.com <i>Scope: Electrical</i>	PROJECT NAME:		Single Trade Estimate – Electrical				
	LOCATION:		Project Name and Address removed for privacy!				
	MTE ID:		M24-2158-FB		TOTAL TRADES AMOUNT	\$ 679,598	
	Area Summary (GSF)		25000		TOTAL BASE BID	\$ 863,089	
DIVISION WISE SUMMARY							
		CSI DIVISIONS	Total material cost	Total labor cost	Total cost	Cost/SF	
1		01 - General Conditions	\$ -	\$ -	\$ 27,700	1.11	
2		26 - Electrical	\$ 364,091	\$ 287,807	\$ 651,898	26.08	
		Total Trade Cost	\$ 364,091	\$ 287,807	\$ 679,598	27.18391412	
NOTES FOR CLIENTS							
1. This estimate is based on real market prices that are regularly updated by our team persons through market surveys and online resources, we still encourage our clients to put their own. 2. This sheet is your property and we encourage you to fine tune the wastage and pricing values to your preference. 3. Feel free to contact us for any queries or suggestions.					TOTAL TRADES AMOUNT		\$ 679,598
					OVERHEAD	7%	\$ 47,572
					PROFIT	15%	\$ 101,940
					INSURANCE	3%	\$ 20,388
					CONTINGENCY	2%	\$ 13,592
					TOTAL BASE BID	\$ 863,089	

M-TECH ESTIMATING			Date: 24/02/2023 Web: www.mtechestimating.com E-mail: info@mtechestimating.com			PROJECT NAME:		Single Trade Estimate – Electrical						
			LOCATION:		Project Name and Address removed for privacy!									
			MTE ID:		M24-2158-FB									
Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
DIV. 01 GENERAL CONDITIONS														
GENERAL REQUIREMENTS														
1		Mobilization	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 3,500	
2		Supervision	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 4,000	
3		Safety requirements	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 6,500	
4		Office overheads	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 2,500	
5		Project Closeouts	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 4,000	
6		Submittal and approval	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 3,200	
7		Temporary Facilities and Controls	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 4,000	
Subtotal (General conditions)						Total mat. cost:	\$ -			To Labor	\$ -		\$ 27,700	
DIV. 26 ELECTRICAL														
DEMOLITION														
Site Demo - Field House														
8		Remove Exhaust Fan	1	0%	1	EA	\$ -	\$ -	0.800	0.80	\$ 75	\$ 60	\$ 60	
9		Remove FH LeLF Panel	1	0%	1	EA	\$ -	\$ -	2.000	2.00	\$ 75	\$ 150	\$ 150	
10		Remove FH Right Panel	1	0%	1	EA	\$ -	\$ -	2.000	2.00	\$ 75	\$ 150	\$ 150	
11		Remove Heater	5	0%	5	EA	\$ -	\$ -	4.000	20.00	\$ 75	\$ 1,500	\$ 1,500	
12		Remove LFH LeLF Panel	1	0%	1	EA	\$ -	\$ -	2.000	2.00	\$ 75	\$ 150	\$ 150	
13		Remove LFH Right Panel	1	0%	1	EA	\$ -	\$ -	2.000	2.00	\$ 75	\$ 150	\$ 150	
14		Remove Switch Board	1	0%	1	EA	\$ -	\$ -	5.000	5.00	\$ 75	\$ 375	\$ 375	
15		Remove Transformer	1	0%	1	EA	\$ -	\$ -	6.000	6.00	\$ 75	\$ 450	\$ 450	
Level 1 Electrical Demo - Area B1														
16		Flood Light	2	0%	2	EA	\$ -	\$ -	1.000	2.00	\$ 75	\$ 150	\$ 150	
17		Remove Air Cooled Chiller	1	0%	1	EA	\$ -	\$ -	5.000	5.00	\$ 75	\$ 375	\$ 375	
18		Remove Chilled Water Pump	2	0%	2	EA	\$ -	\$ -	3.000	6.00	\$ 75	\$ 450	\$ 450	
19		Remove Disconnect Switch	2	0%	2	EA	\$ -	\$ -	0.850	1.70	\$ 75	\$ 128	\$ 128	
20		Remove Duplex Receptacle Tamper Resistant	18	0%	18	EA	\$ -	\$ -	0.400	7.20	\$ 75	\$ 540	\$ 540	
21		Remove Junction Box	4	0%	4	EA	\$ -	\$ -	0.600	2.40	\$ 75	\$ 180	\$ 180	
22		Remove Light	170	0%	170	EA	\$ -	\$ -	0.850	144.50	\$ 75	\$ 10,838	\$ 10,838	
23		Remove Panel LH	1	0%	1	EA	\$ -	\$ -	2.000	2.00	\$ 75	\$ 150	\$ 150	
24		Remove Roof Top Unit	1	0%	1	EA	\$ -	\$ -	4.000	4.00	\$ 75	\$ 300	\$ 300	
25		Remove Single Pole Switch	27	0%	27	EA	\$ -	\$ -	0.300	8.10	\$ 75	\$ 608	\$ 608	
26		Remove Single Pole Switch	3	0%	3	EA	\$ -	\$ -	0.300	0.90	\$ 75	\$ 68	\$ 68	
27		Remove Transformer TxH	1	0%	1	EA	\$ -	\$ -	6.000	6.00	\$ 75	\$ 450	\$ 450	
Level 1 Electrical Demo - MECH YARD														
28		Remove Stage EDGE Light	57	10%	63	LF	\$ -	\$ -	0.250	15.68	\$ 75	\$ 1,176	\$ 1,176	
Level 1 Electrical Demo - Area B2														
29		Remove Lighting	60	0%	60	EA	\$ -	\$ -	0.800	48.00	\$ 75	\$ 3,600	\$ 3,600	
Level 1 Electrical Demo - Area B2 - Altermte														
30		Remove Lighting	60	0%	60	EA	\$ -	\$ -	0.800	48.00	\$ 75	\$ 3,600	\$ 3,600	
Level 1 Electrical Demo - Area F														
31		Remove Elevator	1	0%	1	EA	\$ -	\$ -	6.000	6.00	\$ 75	\$ 450	\$ 450	
Level 1 Electrical Demo - Area D														
32		Remove Elevator	1	0%	1	EA	\$ -	\$ -	6.000	6.00	\$ 75	\$ 450	\$ 450	
Level 2 Electrical Demo - MECH														
33		Remove Chiller	2	0%	2	EA	\$ -	\$ -	6.000	12.00	\$ 75	\$ 900	\$ 900	
34		Remove Junction Box	4	0%	4	EA	\$ -	\$ -	0.600	2.40	\$ 75	\$ 180	\$ 180	
Level 2 Electrical Demo - ART- Room														
35		Remove Single Pote Switch	9	0%	9	EA	\$ -	\$ -	0.300	2.70	\$ 75	\$ 203	\$ 203	
36		Remove Lighting	58	0%	58	EA	\$ -	\$ -	0.850	49.30	\$ 75	\$ 3,698	\$ 3,698	
37		Remove Quadplex Tamper Resistant Receptacle ; NEM 5-20R	23	0%	23	EA	\$ -	\$ -	0.600	13.80	\$ 75	\$ 1,035	\$ 1,035	
38		Remove Flood Light	34	0%	34	EA	\$ -	\$ -	1.000	34.00	\$ 75	\$ 2,550	\$ 2,550	
Roof Electrical Demo - B1 Roof														
39		Remove Disconnect Switch	1	0%	1	EA	\$ -	\$ -	0.850	0.85	\$ 75	\$ 64	\$ 64	
40		Remove Roof Top Unit	1	0%	1	EA	\$ -	\$ -	4.000	4.00	\$ 75	\$ 300	\$ 300	
Site														
Site New - Field House														
41		Replace LFH Panel	1	0%	1	EA	\$ 2,210.00	\$ 2,210.00	20.000	20.00	\$ 75	\$ 1,500	\$ 3,710	
42		Replace FH Panel	1	0%	1	EA	\$ 2,210.00	\$ 2,210.00	20.000	20.00	\$ 75	\$ 1,500	\$ 3,710	
43		Replace Heater	5	0%	5	EA	\$ 3,036.00	\$ 15,180.00	10.000	50.00	\$ 75	\$ 3,750	\$ 18,930	
44		Replace Transformer	1	0%	1	EA	\$ 6,585.00	\$ 6,585.00	28.000	28.00	\$ 75	\$ 2,100	\$ 8,685	
45		Single Pole Switch	1	0%	1	EA	\$ 13.00	\$ 13.00	0.468	0.47	\$ 75	\$ 35	\$ 48	
Power														
Level 1 - Power Area B1														
Receptacle														
46		Controlled Quadplex Receptacle With (1) Duplex Controlled, Other Duplex Unswitched, Tamper Resistant.	16	0%	16	EA	\$ 60.00	\$ 960.00	1.000	16.00	\$ 75	\$ 1,200	\$ 2,160	
47		Dead Front (GFCI) Device	2	0%	2	EA	\$ 56.00	\$ 112.00	0.300	0.60	\$ 75	\$ 45	\$ 157	
48		Duplex Tamper Resistant Receptacle ; NEMA 5-20R	12	0%	12	EA	\$ 45.00	\$ 540.00	0.800	9.60	\$ 75	\$ 720	\$ 1,260	
49		Ground Fault Protection (GFCI) Tamper Resistnt Receptacle	3	0%	3	EA	\$ 68.00	\$ 204.00	0.600	1.80	\$ 75	\$ 135	\$ 339	
50		Ground Fault Protection (GFCI) Tamper Resistnt Receptacle	3	0%	3	EA	\$ 68.00	\$ 204.00	0.600	1.80	\$ 75	\$ 135	\$ 339	
51		Quadplex Tamper Resistant Receptacle ; NEM 5-20R	6	0%	6	EA	\$ 40.00	\$ 240.00	0.850	5.10	\$ 75	\$ 383	\$ 623	
52		Split Controlled Duplex With Top Receptacle Controlled Tamper Resistant	3	0%	3	EA	\$ 68.00	\$ 204.00	0.950	2.85	\$ 75	\$ 214	\$ 418	
Box														
53		Juction Box Wall Mounted	4	0%	4	EA	\$ 75.00	\$ 300.00	1.000	4.00	\$ 75	\$ 300	\$ 600	
54		Junction Box	3	0%	3	EA	\$ 75.00	\$ 225.00	1.000	3.00	\$ 75	\$ 225	\$ 450	
Connection														
55		Electrical Water Cooler Connection	1	0%	1	EA	\$ 80.00	\$ 80.00	0.850	0.85	\$ 75	\$ 64	\$ 144	
Wiring														
56		2#12, 1#12 Grounding Wiring @ THHN Wire	861	10%	947	LF	\$ 0.48	\$ 454.61	0.040	37.88	\$ 75	\$ 2,841	\$ 3,296	
Replace														
57		Replace Panel LH	1	0%	1	EA	\$ 2,210.00	\$ 2,210.00	20.000	20.00	\$ 75	\$ 1,500	\$ 3,710	
58		Replace Transformer Tx-H	1	0%	1	EA	\$ 6,585.00	\$ 6,585.00	28.000	28.00	\$ 75	\$ 2,100	\$ 8,685	
Level 1 - Power Area B2														
Switch														
59		Disconnect Switch 250V/30A/NF/2P/NEMA-1	2	0%	2	EA	\$ 68.00	\$ 136.00	0.650	1.30	\$ 75	\$ 98	\$ 234	
60		Disconnect Switch 250V/30A/NF/3P/NEMA-3R	2	0%	2	EA	\$ 90.00	\$ 180.00	0.680	1.36	\$ 75	\$ 102	\$ 282	
61		Single Pole Switch	1	0%	1	EA	\$ 13.00	\$ 13.00	0.468	0.47	\$ 75	\$ 35	\$ 48	
Receptacle														
62		Duplex Tamper Resistant Receptacle ; NEMA 5-20R	11	0%	11	EA	\$ 45.00	\$ 495.00	0.800	8.80	\$ 75	\$ 660	\$ 1,155	
63		Floor Mounted Duplex	1	0%	1	EA	\$ 18.00	\$ 18.00	0.600	0.60	\$ 75	\$ 45	\$ 63	
64		GFI Duplex Receptacle Ceiling Mounted	3	0%	3	EA	\$ 56.00	\$ 168.00	0.296	0.89	\$ 75	\$ 67	\$ 235	
65		Ground Fault Protection (GFCI) Tamper Resistnt Receptacle	7	0%	7	EA	\$ 45.00	\$ 315.00	0.600	4.20	\$ 75	\$ 315	\$ 630	
66		Special Receptacle	1	0%	1	EA	\$ 52.00	\$ 52.00	1.500	1.50	\$ 75	\$ 113	\$ 165	
Connection														
67		AC Connection	1	0%	1	EA	\$ 80.00	\$ 80.00	0.850	0.85	\$ 75	\$ 64	\$ 144	
68		Cooling Connection	1	0%	1	EA	\$ 80.00	\$ 80.00	0.850	0.85	\$ 75	\$ 64	\$ 144	
69		Exhaust Fan Connection	1	0%	1	EA	\$ 80.00	\$ 80.00	0.850	0.85	\$ 75	\$ 64	\$ 144	
70		Motor Connection	1	0%	1	EA	\$ 80.00	\$ 80.00	0.850	0.85	\$ 75	\$ 64	\$ 144	
Box														
71		Juction Box Wall Mounted	13	0%	13	EA	\$ 75.00	\$ 975.00	1.000	13.00	\$ 75	\$ 975	\$ 1,950	
72		Junction Box	2	0%	2	EA	\$ 75.00	\$ 150.00	1.000	2.00	\$ 75	\$ 150	\$ 300	
Wiring														
73		2#12, 1#12 Grounding Wiring @ THHN Wire	720	10%	792	LF	\$ 0.48	\$ 380.16	0.040	31.68	\$ 75	\$ 2,376	\$ 2,756	
Panel														
74		EDB: Emergency DMX Bypass Control Refer to Note 1 for requirements Conduit/cabling as required for number of conductors Follow electrical drawings for routing and installation ERP: (Emergency DMX Controlled Relay Panel) Conduit/wiring as required for number of conductors	1	0%	1	EA	\$ 300.00	\$ 300.00	2.000	2.00	\$ 75	\$ 150	\$ 450	
75		INV1: Panel Voltage: 480Y/277v,3P4W Ampers: 200 A	1	0%	1	EA	\$ 2,210.00	\$ 2,210.00	20.000	20.00	\$ 75	\$ 1,500	\$ 3,710	
76		LP1T: Panel Voltage: 208Y/120v,3P4W Ampers: 100 A	1	0%	1	EA	\$ 1,685.00	\$ 1,685.00	15.094	15.09	\$ 75	\$ 1,132	\$ 2,817	
78		MSP-1: Panel Voltage: 208Y/120v,3P4W Ampers: 150 A	1	0%	1	EA	\$ 1,890.00	\$ 1,890.00	18.000	18.00	\$ 75	\$ 1,350	\$ 3,240	

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
79		MBP-2: Panel Voltage: 208Y/120v/3P/4W Ampers: 150 A	1	0%	1	EA	\$ 1,890.00	\$ 1,890.00	18.000	18.00	\$ 75	\$ 1,350	\$ 3,240	
80		MBP-3: Panel Voltage: 208Y/120v/3P/4W Ampers: 100 A	1	0%	1	EA	\$ 1,685.00	\$ 1,685.00	15.094	15.09	\$ 75	\$ 1,132	\$ 2,817	
		Level 1 - Power Area B3												
		Switch												
81		Disconnect Switch 250V/30A/NF/2P/NEMA-1	1	0%	1	EA	\$ 56.00	\$ 56.00	0.560	0.56	\$ 75	\$ 42	\$ 98	
82		Disconnect Switch 250V/60A/NF/1P/NEMA-1	1	0%	1	EA	\$ 78.00	\$ 78.00	0.600	0.60	\$ 75	\$ 45	\$ 123	
83		Disconnect Switch 600V/30A/NF/1P/NEMA-3R	2	0%	2	EA	\$ 95.00	\$ 190.00	0.750	1.50	\$ 75	\$ 113	\$ 303	
84		Single Pole Switch	3	0%	3	EA	\$ 13.00	\$ 39.00	0.468	1.40	\$ 75	\$ 105	\$ 144	
		Receptacle												
85		Dead Front (GFCI) Device	2	0%	2	EA	\$ 56.00	\$ 112.00	0.320	0.64	\$ 75	\$ 48	\$ 160	
86		Duplex Receptacle Ceiling Mounted	20	0%	20	EA	\$ 18.00	\$ 360.00	0.550	11.00	\$ 75	\$ 825	\$ 1,185	
87		Duplex Tamper Resistant Receptacle ; NEMA 5-20R	33	0%	33	EA	\$ 45.00	\$ 1,485.00	0.600	19.80	\$ 75	\$ 1,485	\$ 2,970	
88		Ground Fault Protection (GFCI) Tamper Resistnt Receptacle	21	0%	21	EA	\$ 62.00	\$ 1,302.00	0.850	17.85	\$ 75	\$ 1,339	\$ 2,641	
89		Ground Fault Protection Duplex w/ Weather-Proof	4	0%	4	EA	\$ 80.00	\$ 320.00	0.850	3.40	\$ 75	\$ 255	\$ 575	
90		Quadplex Tamper Resistant Receptacle ; NEM 5-20R	9	0%	9	EA	\$ 48.00	\$ 432.00	0.950	8.55	\$ 75	\$ 641	\$ 1,073	
91		Special Receptacle	4	0%	4	EA	\$ 52.00	\$ 208.00	1.500	6.00	\$ 75	\$ 450	\$ 658	
92		Split Controlled Duplex With Top Receptacle Controlled Tamper Resistant	30	0%	30	EA	\$ 38.00	\$ 1,140.00	0.850	25.50	\$ 75	\$ 1,913	\$ 3,053	
		Connection												
93		Electrical Water Cooler Connection	2	0%	2	EA	\$ 80.00	\$ 160.00	0.850	1.70	\$ 75	\$ 128	\$ 288	
94		Motor Connection	1	0%	1	EA	\$ 80.00	\$ 80.00	0.850	0.85	\$ 75	\$ 64	\$ 144	
		Box												
95		Junction Box Wall Mounted	5	0%	5	EA	\$ 75.00	\$ 375.00	1.000	5.00	\$ 75	\$ 375	\$ 750	
96		Junction Box	4	0%	4	EA	\$ 75.00	\$ 300.00	1.000	4.00	\$ 75	\$ 300	\$ 600	
		Wiring												
97		2#12, 1#12 Grounding Wiring @ THHN Wire Level 1 - Power Area F Mechanical Panel	1826	10%	2009	LF	\$ 0.48	\$ 964.13	0.040	80.34	\$ 75	\$ 6,026	\$ 6,990	
98		Fan-Assisted Variable Air Volume New Mechanical Panel Level 2 - Power Area B2	18	0%	18	EA	\$ 1,420.00	\$ 25,560.00	8.000	144.00	\$ 75	\$ 10,800	\$ 36,360	
		Receptacle												
99		Duplex Tamper Resistant Receptacle ; NEMA 5-20R	2	0%	2	EA	\$ 45.00	\$ 90.00	0.600	1.20	\$ 75	\$ 90	\$ 180	
		Box												
100		Junction Box Wall Mounted	17	0%	17	EA	\$ 75.00	\$ 1,275.00	1.000	17.00	\$ 75	\$ 1,275	\$ 2,550	
101		Junction Box	8	0%	8	EA	\$ 75.00	\$ 600.00	1.000	8.00	\$ 75	\$ 600	\$ 1,200	
		Wiring												
102		2#12, 1#12 Grounding Wiring @ THHN Wire Level 2 - Power Area B2 Alternate	784	10%	862	LF	\$ 0.48	\$ 413.95	0.040	34.50	\$ 75	\$ 2,587	\$ 3,001	
		Box												
103		Junction Box Level 2 - Power Area F	8	0%	8	EA	\$ 75.00	\$ 600.00	1.000	8.00	\$ 75	\$ 600	\$ 1,200	
104		Fan-Assisted Variable Air Volume Panel	20	0%	20	EA	\$ 1,420.00	\$ 28,400.00	8.000	160.00	\$ 75	\$ 12,000	\$ 40,400	
105		HM2F: Panel Voltage: 480Y/277V/3P/4W Ampers: 300A Level 1 - Power - MECH YAED	1	0%	1	EA	\$ 3,036.00	\$ 3,036.00	25.000	25.00	\$ 75	\$ 1,875	\$ 4,911	
		Switch												
106		Disconnect Switch 250V/30A/NF/2P/NEMA-1	2	0%	2	EA	\$ 65.00	\$ 130.00	0.560	1.12	\$ 75	\$ 84	\$ 214	
107		Disconnect Switch	1	0%	1	EA	\$ 222.00	\$ 222.00	1.000	1.00	\$ 75	\$ 75	\$ 297	
		Receptacle												
108		Duplex Tamper Resistant Receptacle ; NEMA 5-20R	2	0%	2	EA	\$ 45.00	\$ 90.00	0.600	1.20	\$ 75	\$ 90	\$ 180	
109		Ground Fault Protected Duplex w/ Weather-Proof	1	0%	1	EA	\$ 78.00	\$ 78.00	0.850	0.85	\$ 75	\$ 64	\$ 142	
		Box												
110		Junction Box Wall Mounted	3	0%	3	EA	\$ 75.00	\$ 225.00	1.000	3.00	\$ 75	\$ 225	\$ 450	
111		Junction Box	3	0%	3	EA	\$ 75.00	\$ 225.00	1.000	3.00	\$ 75	\$ 225	\$ 450	
		Connection												
112		AC Connection	1	0%	1	EA	\$ 80.00	\$ 80.00	0.850	0.85	\$ 75	\$ 64	\$ 144	
113		Cooling Connection	1	0%	1	EA	\$ 80.00	\$ 80.00	0.850	0.85	\$ 75	\$ 64	\$ 144	
114		Motor Connection	1	0%	1	EA	\$ 80.00	\$ 80.00	0.850	0.85	\$ 75	\$ 64	\$ 144	
		Wiring												
115		2#12, 1#12 Grounding Wiring @ THHN Wire Level 2 - ART- Power Room	214	10%	235	LF	\$ 0.48	\$ 112.99	0.040	9.42	\$ 75	\$ 706	\$ 819	
		Receptacle												
116		Controlled Quadplex Receptacle With (1) Duplex Controlled, Other Duplex Unswitched, Tamper Resistant.	3	0%	3	EA	\$ 65.00	\$ 195.00	1.250	3.75	\$ 75	\$ 281	\$ 476	
117		Split Controlled Duplex With Top Receptacle Controlled Tamper Resistant	10	0%	10	EA	\$ 45.00	\$ 450.00	0.850	8.50	\$ 75	\$ 638	\$ 1,088	
118		Duplex Tamper Resistant Receptacle ; NEMA 5-20R	1	0%	1	EA	\$ 40.00	\$ 40.00	0.800	0.80	\$ 75	\$ 60	\$ 100	
		Wiring												
119		2#12, 1#12 Grounding Wiring @ THHN Wire Level 2 - Power MECH	374	10%	411	LF	\$ 0.48	\$ 197.47	0.040	16.46	\$ 75	\$ 1,234	\$ 1,432	
		Box												
120		Junction Box Level 1 - Power Alternate 11B - MECH YARD	2	0%	2	EA	\$ 75.00	\$ 150.00	1.000	2.00	\$ 75	\$ 150	\$ 300	
		Switch												
121		Disconnent Switch	2	0%	2	EA	\$ 222.00	\$ 444.00	1.000	2.00	\$ 75	\$ 150	\$ 594	
		Box												
122		Junction Box	4	0%	4	EA	\$ 75.00	\$ 300.00	1.000	4.00	\$ 75	\$ 300	\$ 600	
		Conncetion												
123		Motor Connection	2	0%	2	EA	\$ 80.00	\$ 160.00	0.850	1.70	\$ 75	\$ 128	\$ 288	
		Wiring												
124		2#12, 1#12 Grounding Wiring @ THHN Wire Roof Power Plan - B1 Roof	67	10%	74	LF	\$ 0.48	\$ 35.38	0.040	2.95	\$ 75	\$ 221	\$ 256	
		Conncetion												
125		Roof Top Unit Conncetion Lighting	1	0%	1	EA	\$ 80.00	\$ 80.00	0.850	0.85	\$ 75	\$ 64	\$ 144	
		Level 1 Lighting - Area B1												
		Switch												
126		Single Pole Switch	28	0%	28	EA	\$ 13.00	\$ 364.00	0.468	13.10	\$ 75	\$ 983	\$ 1,347	
		Sensor												
127		Occupancy Sensor	18	0%	18	EA	\$ 152.00	\$ 2,736.00	1.231	22.16	\$ 75	\$ 1,662	\$ 4,398	
128		Vacany Sensor	6	0%	6	EA	\$ 140.00	\$ 840.00	1.000	6.00	\$ 75	\$ 450	\$ 1,290	
		Light												
129		1ROC3: Room Controller System Single-zone room controller with ceiling-mounted occupancy sensor, manual dimming, and plug-load control. Functions: Low-voltage momentary switch controls lights ON/OFF. Occupancy sensor turns lights ON automatically at 50%. Plug loads turn ON together with lighting. Manual 0A-10V dimming from 10% to 100%. Occupancy sensor turns lights and plug load OFF at LPer 20 minutes (adjustable). Room Controller Options: Lutron PP-DV (x2) Greengate RC3C-PL nLight nPP 16-D-EFP-PA (x2) Sensor Options : Lutron LOS-CDT-2000-WH Greengate OAC-DT-1000-R nLight nCM-PDT-10 Low-Voltage Dimming Switch Options: Lutron NTSTV-WH Greengate RC-3TLB	9	0%	9	EA	\$ 565.00	\$ 5,085.00	8.000	72.00	\$ 75	\$ 5,400	\$ 10,485	
130		AF40E: 2'X 4'Flat Panel, Medium Lumen Level With Integrl Battery Backup. Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT-E10W Day-Brite #25P243L840-4-DS-UNV-DIM-EM10 Columbia Lighting #NBT24-40L042G-SF-ED1U-ELL14 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 36 Voltage: 277	2	0%	2	EA	\$ 200.00	\$ 400.00	1.800	3.60	\$ 75	\$ 270	\$ 670	

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
131		AF-60: 2'X 4'-flat Panel, Medium Lumen Level Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM Columbia Lighting #NB724-40L042G-SF-ED1U Lamps/CCTLED 4000K Lumens: 6000 Wattage: 54 Voltage: 277	69	0%	69	EA	\$ 185.00	\$ 12,765.00	1,600	110.40	\$ 75	\$ 8,280	\$ 21,045	
132		AF-60E: 2'X 4'-flat Panel, Medium Lumen Level With Integrli Battery Backup. Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM-EM10 Columbia Lighting #NB724-40L042G-SF-ED1U Lamps/CCTLED 4000K Lumens: 6000 Wattage: 53 Voltage: 277	15	0%	15	EA	\$ 200.00	\$ 3,000.00	1,850	27.75	\$ 75	\$ 2,081	\$ 5,081	
133		AF-140: 2'X 4'-flat Panel, Medium Lumen Level. Basis Of Design: Metalux #24CGTX-40-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT Day-Brite #2FPZ43L840-4-DS-UNV-DIM Columbia Lighting #NB724-40L042G-SF-ED1U Lamps/CCTLED 4000K Lumens: 4000 Wattage: 36 Voltage: 277	25	0%	25	EA	\$ 185.00	\$ 4,625.00	1,600	40.00	\$ 75	\$ 3,000	\$ 7,625	
134		BF-40: 2'X 4'-flat Panel, Medium Lumen Level Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X2-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT-E10W Day-Brite #2FPZ45L840-4-DS-UNV-DIM Columbia Lighting #NB722-40L044G-SF-ED1U Lamps/CCTLED 4000K Lumens: 4000 Wattage: 43 Voltage: 277	7	0%	7	EA	\$ 185.00	\$ 1,295.00	1,800	12.60	\$ 75	\$ 945	\$ 2,240	
135		OW20: Exterior Low-Profile Wall Mount. Basis Of Design: Lumark#AXCS3A-XX Manufacturers: Lithonia Lighting #WXPX1-LED-P2-40K-MVOLT-XXX Beacon #RWL1-48L-20-4K7-3-UNV-XXX Gardco Equal Lamps/CCTLED 4000K Lumens: 2000 Wattage: 23 Voltage: 277	1	0%	1	EA	\$ 194.00	\$ 194.00	1,500	1.50	\$ 75	\$ 113	\$ 307	
136		OW20E: Exterior Low-Profile Wall Mount With Integrli Battery Backup. Basis Of Design: Lumark#AXCS3A-XXX-CBP Manufacturers: Lithonia Lighting #WXPX1-LED-P2-40K-MVOLT-E4WHXXX Beacon #RWL1-48L-20-4K7-3-UNV-XXX-EH Gardco Equal Lamps/CCTLED 4000K Lumens: 2000 Wattage: 23 Voltage: 277	1	0%	1	EA	\$ 208.00	\$ 208.00	1,500	1.50	\$ 75	\$ 113	\$ 321	
137		PVC1: Power Pack System Single-zone power pack using ceiling-mounted vacancy sensor. Functions: Low-voltage momentary switch controls lights ON/OFF. Vacancy sensor requires manual ON at 100%. Vacancy sensor turns lights OFF automatically at 20 minutes (adjustable). Power Pack Options: Lutron PP-DVM Greengate SP20-RD4 nLight nPP16-EFP-SA Sensor Options Lutron LOS-CDT-2000-WH Greengate OAC-DT-1000-R nLight nCM-PDT-10 Low-Voltage Momentary Switch Options: Lutron NTR-CS-1 Greengate GMD5 nLight nPODM-XX	3	0%	3	EA	\$ 225.00	\$ 675.00	1,500	4.50	\$ 75	\$ 338	\$ 1,013	
138		X1E: Universal Mount Ext Sign With Integral Battery Backup Basis Of Design: Sure-Lites #LPX7 Manufacturers: Lighting #LOM-S-W-3-R-120/277-M6-ELN Chloride #Verwen Lithonia Compass #Cer Lamps/CCTLED 4000K Lumens: 500 Wattage: 17 Voltage: 277	6	0%	6	EA	\$ 156.00	\$ 936.00	1,250	7.50	\$ 75	\$ 563	\$ 1,499	
139		2#12, 1#12 Grounding Wiring @ THHN Wire Level 1 Lighting - Area B2	1442	10%	1586	LF	\$ 0.48	\$ 761.38	0.040	63.45	\$ 75	\$ 4,759	\$ 5,520	
140		Switch Single Pole Switch	1	0%	1	EA	\$ 13.00	\$ 13.00	0.468	0.47	\$ 75	\$ 35	\$ 48	
141		Light LT Stage EDGE Tape Light Basis Of Design: Acclaim Lighting #F2B-226-XAXN-ALD-400-24-C2 Manufactures: Approved Equals Lamps/CCTLED 4000K Lumens: 100LM/LF Wattage: 4 Voltage: 120	56	10%	62	LF	\$ 41.36	\$ 2,547.78	0.320	19.71	\$ 75	\$ 1,478	\$ 4,026	
142		LT-PS: 6' Round Cylinder Pendant With Wide Distribution, DMX Driver, And Stem Mount. Basis Of Design: Portfolio #LER6D60DMXMB-EC6DR605659040-6LBLI-PB36MB-DMX-S PX Manufacturers: Gotham #IV06CYL-PC-D-60LM-40K-80CRI-WD-MIN10-MVOLT-DMX-L7-JBX-CAN-SX-P-AR-LSS-XXX Lighdier #CSPDL60640WDMXUCLB-CASK36BKX Prescotte #LTC-6RD-PC-60L40K8-WD-DMX-SSXX Lamps/CCTLED 4000K Lumens: 6000 Wattage: 67 Voltage: 120	10	0%	10	EA	\$ 160.00	\$ 1,600.00	1,000	10.00	\$ 75	\$ 750	\$ 2,350	
143		W40-4: Strip With Semi-Frosted Lens And Narrow Distribution. Provide Fixture With Chain Hanger Kit. Basis Of Design: Metlux #4SNLED-LD5-41SL-LN-UNV-L840-CD-1-AYC-CHAIN/SET Manufacturers: Lithonia #ZL1D-L48-SMR-3000LM-FST-MVOLT-40K-80CRI-WH-HC36 Columbia Lighting #MP54-40ML-CN-EDU-CSHC Day-Brite #FSS440L840-UNV-DIM-FKR-126 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 31 Voltage: 277	4	0%	4	EA	\$ 195.00	\$ 780.00	1,500	6.00	\$ 75	\$ 450	\$ 1,230	

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
144		POC1:Single Zone Power Pack With Ceiling-Mounted Occupancy Sensing 1. Low-Voltage Momentary Switch Will Turn Lights On/Off (Where Indicated On Drawings) Power Pack 1. Lutron #Pp-Dv 2. Greengate #Sp20-Rd4 3. Occupancy Sensor-Auto "On" At 100% 3. Night #Np16-Elp 3. Occupancy Sensor Auto "Off" ALFer 20 Minute Delay (Adj.) Sensor (Quantity As Required By Manufacturer): 1. Lutron #Los-Cot-2000-Wh 2. Greengate #Cac-Dt-1000-R 3. Night #Ncm-Pdt-10 Low-Voltage Momentary Switch (Quantity As Shown) 1. Lutron #Np-Cs-1 2. Greengate #Gmds 3. Light #Podm-Xx	1	0%	1	EA	\$ 180.00	\$ 180.00	1.800	1.80	\$ 75	\$ 135	\$ 315	
		Wiring 2#12, 1#12 Grounding Wiring @ THHN Wire	218	10%	240	LF	\$ 0.48	\$ 115.10	0.040	9.59	\$ 75	\$ 719	\$ 835	
145		Switch Level 1 Lighting - Area B3 3 Way Switch	1	0%	1	EA	\$ 25.00	\$ 25.00	0.650	0.65	\$ 75	\$ 49	\$ 74	
147		Single Pole Switch	24	0%	24	EA	\$ 13.00	\$ 312.00	0.468	11.23	\$ 75	\$ 842	\$ 1,154	
		Sensor Occupancy Sensor	14	0%	14	EA	\$ 160.00	\$ 2,240.00	1.231	17.23	\$ 75	\$ 1,293	\$ 3,533	
149		Vacany Sensor	11	0%	11	EA	\$ 142.00	\$ 1,562.00	1.000	11.00	\$ 75	\$ 825	\$ 2,387	
150		Light AF40E: 2'X 4'Flat Panel, Medium Lumen Level With Integrl Battery Backup. Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM-EM10 Columbia Lighting #NBT24-40L042G-SF-ED1U-ELL14 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 36 Voltage: 277	1	0%	1	EA	\$ 200.00	\$ 200.00	1.600	1.60	\$ 75	\$ 120	\$ 320	
151		AF60: 2'X 4'Flat Panel, Medium Lumen Level Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM Columbia Lighting #NBT24-40L042G-SF-ED1U Lamps/CCTLED 4000K Lumens: 6000 Wattage: 54 Voltage: 277	55	0%	55	EA	\$ 185.00	\$ 10,175.00	1.600	88.00	\$ 75	\$ 6,600	\$ 16,775	
152		AF60E: 2'X 4'Flat Panel, Medium Lumen Level With Integrl Battery Backup. Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM-EM10 Columbia Lighting #NBT24-40L042G-SF-ED1U Lamps/CCTLED 4000K Lumens: 6000 Wattage: 53 Voltage: 277	12	0%	12	EA	\$ 200.00	\$ 2,400.00	1.800	21.60	\$ 75	\$ 1,620	\$ 4,020	
153		AF140: 2'X 4'Flat Panel, Medium Lumen Level Basis Of Design: Metalux #24CGTX-40-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT Day-Brite #2FPZ43L840-4-DS-UNV-DIM Columbia Lighting #NBT24-40L042G-SF-ED1U Lamps/CCTLED 4000K Lumens: 4000 Wattage: 36 Voltage: 277	20	0%	20	EA	\$ 185.00	\$ 3,700.00	1.600	32.00	\$ 75	\$ 2,400	\$ 6,100	
154		BF40: 2'X 4'Flat Panel, Medium Lumen Level Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X2-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT-E10W Day-Brite #2FPZ45L840-4-DS-UNV-DIM Columbia Lighting #NBT22-40L044G-SF-ED1U Lamps/CCTLED 4000K Lumens: 4000 Wattage: 43 Voltage: 277	4	0%	4	EA	\$ 185.00	\$ 740.00	1.600	6.40	\$ 75	\$ 480	\$ 1,220	
155		F440: 4' Strip With Semi-Frosted Lens And Narrow Distribution. Provide Fixture With Chain Hanger Kit. Basis Of Design: Metlux #4SNLED-LD5-41SL-LN-UNV-L840-CD-1-AYC-CHAINSET Manufacturers: Lithonia #ZL1D-L48-SMR-3000LM-FST-MVOLT-40K-80CRI-WH-HC36 Columbia Lighting #MPS4-40ML-CN-EDU-CSHC Day-Brite #SS440L840-UNV-DIM-FKR-126 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 31 Voltage: 277	14	0%	14	EA	\$ 198.00	\$ 2,772.00	1.500	21.00	\$ 75	\$ 1,575	\$ 4,347	
156		LP3: 3'X6'Direct Linear Pendant Fixture With Stem Mount And Black Finish. Basis Of Design: Neoray #S123DP-C1165084S-SB-#FO-1-U-DD-F-B Manufacturers:Axis Lighting #TB3DLED-1100-80-40-SO-6'-BLK-UNV-DP-1-SASL Litecontrol #3L-P-D-6-06-SOF-C5-40K9-D110-D01-1C-UNV-FA1 Prudential #PR03-LIN-FLSH-LED4-HO-6-XXX-SAL-NU-SC-RSC-X3-DM01 Lamps/CCTLED 4000K Lumens: 1100LM/LF Wattage: 64 Voltage: 277	16	0%	16	EA	\$ 206.00	\$ 3,296.00	1.500	24.00	\$ 75	\$ 1,800	\$ 5,096	
157		OLS4: Exterior Linear Surface Fixture. Refer To Lighting Plans For Required Linear Length. Basis Of Design: Nulite #Rxt-R-D-Ff03-L-40-Unv-D-1-X Manufacturers: Axis Lighting #EX4S-400-80-40-SO-X-UNV-DP-1-S Prudential #WVETBPR03-LIN-FLSH-LED4-LO-X-SAL-SC-UNV-SUR-DM 01 Litecontrol #3W-S-D-XX-SOFW-C1-40K9-D030-D01-1C-UNV Lamps/CCTLED 4000K Lumens:1000 Wattage: 11 Voltage:277	8	0%	8	EA	\$ 182.00	\$ 1,456.00	1.500	12.00	\$ 75	\$ 900	\$ 2,356	
158		OW20: Exterior Low-Profile Wall Mount. Basis Of Design: Lumark#AXCS3A-XX Manufacturers: Lithonia Lighting #WPX1-LED-P2-40K-MVOLT-XXX Beacon #RWL1-48L-20-4K7-3-UNV-XXX Gardco Equal Lamps/CCTLED 4000K Lumens: 2000 Wattage: 23 Voltage: 277	3	0%	3	EA	\$ 190.00	\$ 570.00	1.500	4.50	\$ 75	\$ 338	\$ 908	

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOURL	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
159		P-11 Single Zone Power Pak System (with vacancy sensor) Functions: Low-Voltage Momentary Switch Turns Lights On/Off Vacancy Sensor Allows Manual On At 100% Vacancy Sensor Provides Auto-Off ALFer 20 Minutes (Adjustable) Power Pack Options: Lutron Pp-Dv-M Greengate Sp20-Rd4 Night Npp16-Efp-Sa Sensors (Qty As Required): Lutron Los-Cdt-2000-Wh Greengate Oac-Dt-1000-R Night Nom-Pdt-10 Low-Voltage Momentary Switch (Qty As Shown): Lutron Ntr-Cs-1 Greengate Gmds Mount Modules, Vv	5	0%	5	EA	\$ 206.00	\$ 1,030.00	1.500	7.50	\$ 75	\$ 563	\$ 1,593	
160		Single Zone Room Controller With Ceiling-Mounted High-Bay Occupancy Sensing And Manual Dimming, Plug Load Control. Low-Voltage Momentary Switch Will Turn Lights "On/Off" 2. High-Bay Occupancy Sensor-Auto "On" At 50% 3. Plug Loads Shall Be "On" With Lighting 4 Manual 0-10v Dimming From 10%-100% 5. High-Bay Occupancy Sensor-Auto "Off" ALFer 20 Minute Delay (Adj.), Plug Load Controller: 1. Lutron #Pp-Dv (2) 2. Greengate #Rc3d-Pl 3. Night #Npp16-D-Efp-Pa (2) High-Bay Sensor (Quantity As Required By Manufacturer): 1. Lutron #Los-Cdt-2000-Wh 2. Greengate #Oac-Dt-1000-R 3. Night Fincon-Pdt-10 Low-Voltage Dim Switch (Quantity As Shown): 1. Lutron #Ntshv-Wh 2. Greengate #Rc-3tlb	7	0%	7	EA	\$ 290.00	\$ 2,030.00	1.500	10.50	\$ 75	\$ 788	\$ 2,818	
161		X1E:Universal Mount Exit Sign With Integral Battery Backup Basis Of Design: Sure-Lites #LPX7 Manufacturers: Lighting #LOM-S-W-3-R-120/277-M6-ELN Chloride #Venem Lithonia Compass #Cer Lamps/CCTLED 4000K Lumens: 500 Wattage: 17 Voltage: 277	9	0%	9	EA	\$ 156.00	\$ 1,404.00	1.500	13.50	\$ 75	\$ 1,013	\$ 2,417	
162		2#12, 1#12 Grounding Wiring @ THHN Wire Level 2 Lighting - Area B2	1578	10%	1736	LF	\$ 0.48	\$ 833.18	0.040	69.43	\$ 75	\$ 5,207	\$ 6,041	
163		Light Cp6, 6" Round Cylinder Pendant F-400-440: 4' Strip With Semi-Frosted Lens and narrow Distribution. Provide Fixture With Chain Hanger Kit. Basis Of Design: Metlux #4SNLED-LD5-41SL-LN-UNV-L840-CD-1-AYC- CHAIN/SET Manufacturers: Lithonia #ZL1D-L48-SMR-3000LM-FST-MVOLT-40K-80CRI- WH-HC36 Columbia Lighting #MPS4-40ML-CN-EDU-CSHC Day-Brite #FSS440L840-UNV-DIM-FKR-126 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 31 Voltage: 277	50	0%	50	EA	\$ 160.00	\$ 8,000.00	1.000	50.00	\$ 75	\$ 3,750	\$ 11,750	
164		F-400-440: 4' Strip With Semi-Frosted Lens and narrow Distribution. Provide Fixture With Chain Hanger Kit. Basis Of Design: Metlux #4SNLED-LD5-41SL-LN-UNV-L840-CD-1-AYC- CHAIN/SET Manufacturers: Lithonia #ZL1D-L48-SMR-3000LM-FST-MVOLT-40K-80CRI- WH-HC36 Columbia Lighting #MPS4-40ML-CN-EDU-CSHC Day-Brite #FSS440L840-UNV-DIM-FKR-126 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 31 Voltage: 277	4	0%	4	EA	\$ 190.00	\$ 760.00	1.500	6.00	\$ 75	\$ 450	\$ 1,210	
165		F-400-440: 4' Strip With Semi-Frosted Lens and narrow Distribution. Provide Fixture With Chain Hanger Kit. Basis Of Design: Metlux #4SNLED-LD5-41SL-LN-UNV-L840-CD-1-AYC- CHAIN/SET Manufacturers: Lithonia #ZL1D-L48-SMR-3000LM-FST-MVOLT-40K-80CRI- WH-HC36 Columbia Lighting #MPS4-40ML-CN-EDU-CSHC Day-Brite #FSS440L840-UNV-DIM-FKR-126 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 31 Voltage: 277	11	0%	11	EA	\$ 190.00	\$ 2,090.00	1.500	16.50	\$ 75	\$ 1,238	\$ 3,328	
166		SL Thermalcalf Strip Lighting For Upper Level Walkways. Manufacturers: Approved Equals Wattage: 37 Voltage: 277	370	10%	407	LF	\$ 182.00	\$ 74,074.00	1.500	610.50	\$ 75	\$ 45,788	\$ 119,862	
167		2#12, 1#12 Grounding Wiring @ THHN Wire Level 2 Lighting - ART - Room	1111	10%	1222	LF	\$ 0.48	\$ 586.61	0.040	48.88	\$ 75	\$ 3,666	\$ 4,253	
168		Single Pole Switch Sensor	10	0%	10	EA	\$ 13.00	\$ 130.00	0.468	4.68	\$ 75	\$ 351	\$ 481	
169		Occupancy Sensor Light AF60: 2'X 4'Flat Panel, Medium Lumen Level Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10- ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM Columbia Lighting #NBT24-40L042G-SF-ED1U Lamps/CCTLED 4000K Lumens: 6000 Wattage: 54 Voltage: 277	7	0%	7	EA	\$ 160.00	\$ 1,120.00	1.231	8.62	\$ 75	\$ 646	\$ 1,766	
170		AF60: 2'X 4'Flat Panel, Medium Lumen Level Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10- ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM Columbia Lighting #NBT24-40L042G-SF-ED1U Lamps/CCTLED 4000K Lumens: 6000 Wattage: 54 Voltage: 277	25	0%	25	EA	\$ 185.00	\$ 4,625.00	1.500	37.50	\$ 75	\$ 2,813	\$ 7,438	
171		AF60E: 2'X 4'Flat Panel, Medium Lumen Level With Integr Battery Backup. Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10- ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM-EM10 Columbia Lighting #NBT24-40L042G-SF-ED1U Lamps/CCTLED 4000K Lumens: 6000 Wattage: 53 Voltage: 277	6	0%	6	EA	\$ 200.00	\$ 1,200.00	1.600	9.60	\$ 75	\$ 720	\$ 1,920	
172		BF40: 2'X 4'Flat Panel, Medium Lumen Level Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X2-4000LM-80CRI-40K-SWL-MIN10- ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM Columbia Lighting #NBT22-40L044G-SF-ED1U Lamps/CCTLED 4000K Lumens: 4000 Wattage: 43 Voltage: 277	2	0%	2	EA	\$ 185.00	\$ 370.00	1.500	3.00	\$ 75	\$ 225	\$ 595	
173		BF40E: 2'X 4'Flat Panel, Medium Lumen Level Basis Of Design: Metalux #24CGTX-40-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10- ZT-MVOLT Day-Brite #2FPZ43L840-4-DS-UNV-DIM Columbia Lighting #NBT24-40L042G-SF-ED1U Lamps/CCTLED 4000K Lumens: 4000 Wattage: 36 Voltage: 277	3	0%	3	EA	\$ 185.00	\$ 555.00	1.500	4.50	\$ 75	\$ 338	\$ 893	

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
174		ROC3 A7fAA-- Single Zone Room Controller System (With Occupancy Sensor + Manual Dimming + Plug Load Control) Functions: Low-voltage momentary switch turns lights ON/OFF Occupancy sensor auto-ON at 50% light level Plug loads turn ON with lighting Manual 0A7fAA--10V dimming (100%) Occupancy sensor auto-OFF at 20 minutes (adjustable), plug load also turns OFF Room Controller Options: Lutron PP-DV Greengate RC3D-PL nLight PP16-D-EFP-PA Sensors (Qty per manufacturer requirement): Lutron LOS-CDT-2000-WH Greengate OAC-DT-1000-R nLight CM-PDT-10 Low-Voltage Dimmer Switch Lutron NTSTV-WH Greengate RC-3TLB	4	0%	4	EA	\$ 236.00	\$ 944.00	1.500	6.00	\$ 75	\$ 450	\$ 1,394	
		Wiring						\$ -		0.00		\$ -	\$ -	
175		2#12, 1#12 Grounding Wiring @ THHN Wire	421	10%	463	LF	\$ 0.48	\$ 222.29	0.040	18.52	\$ 75	\$ 1,389	\$ 1,612	
		Level 2 Lighting - MECH						\$ -		0.00		\$ -	\$ -	
176		Light #440: 4" Strip with Semi-Frosted Lens And Narrow Distribution. Provide Fixture With Chain Hanger Kit. Basis Of Design: Metlux #4SNLED-LD5-41SLN-UNV-L840-CD-1-AYC-CHAIN/SET Manufacturers: Lithonia #ZL1D-L48-SMR-3000LM-FST-MVOLT-40K-80CRI-WH-HC36 Columbia Lighting #MPS4-40ML-CN-EDU-CSHC Day-Brite #FSS440L840-UNV-DIM-FKR-126 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 31 Voltage: 277	6	0%	6	EA	\$ 195.00	\$ 1,170.00	1.500	9.00	\$ 75	\$ 675	\$ 1,845	
		Wiring						\$ -		0.00		\$ -	\$ -	
177		2#12, 1#12 Grounding Wiring @ THHN Wire	119	10%	131	LF	\$ 0.48	\$ 62.83	0.040	5.24	\$ 75	\$ 393	\$ 456	
		Public Address												
		Level 1 - Area B1												
178		(S) Intercom Speaker Flush Mounted In Ceiling	17	0%	17	EA	\$ 160.00	\$ 2,720.00	1.000	17.00	\$ 75	\$ 1,275	\$ 3,995	
179		S: Wall Mounted Speaker	4	0%	4	EA	\$ 160.00	\$ 640.00	1.000	4.00	\$ 75	\$ 300	\$ 940	
180		VC: Wall - Mounted Volume Control	7	0%	7	EA	\$ 145.00	\$ 1,015.00	1.000	7.00	\$ 75	\$ 525	\$ 1,540	
		Wiring												
181		16 AWG	1044	10%	1148	LF	\$ 0.38	\$ 436.39	0.036	41.34	\$ 75	\$ 3,101	\$ 3,537	
		Level 1 - Area B3												
182		Double-sided Wall-Mounted Clock	1	0%	1	EA	\$ 280.00	\$ 280.00	1.500	1.50	\$ 75	\$ 113	\$ 393	
183		S: Intercom Speaker Flush Mounted In Ceiling	14	0%	14	EA	\$ 160.00	\$ 2,240.00	1.000	14.00	\$ 75	\$ 1,050	\$ 3,290	
184		S: Wall Mounted Speaker	4	0%	4	EA	\$ 160.00	\$ 640.00	1.000	4.00	\$ 75	\$ 300	\$ 940	
185		VC: Wall - Mounted Volume Control	9	0%	9	EA	\$ 145.00	\$ 1,305.00	1.000	9.00	\$ 75	\$ 675	\$ 1,980	
		Security												
		Security Level 1- Composite												
186		Ceiling - Mounted Fixed Surveillance Camera MODOE Anas Mounted Height As Specified	7	0%	7	EA	\$ 595.00	\$ 4,165.00	3.000	21.00	\$ 75	\$ 1,575	\$ 5,740	
187		CR: Card Reader	2	0%	2	EA	\$ 222.00	\$ 444.00	1.500	3.00	\$ 75	\$ 225	\$ 669	
188		KP: Personal Identification	1	0%	1	EA	\$ 160.00	\$ 160.00	1.000	1.00	\$ 75	\$ 75	\$ 235	
189		MD 360 Degree Motion Detector Mounted To Ceiling	2	0%	2	EA	\$ 332.00	\$ 664.00	1.500	3.00	\$ 75	\$ 225	\$ 889	
190		MD: Motion Detector	2	0%	2	EA	\$ 300.00	\$ 600.00	1.500	3.00	\$ 75	\$ 225	\$ 825	
191		VI: Video Intercom Substation	2	0%	2	EA	\$ 380.00	\$ 760.00	1.500	3.00	\$ 75	\$ 225	\$ 985	
		Wiring												
192		18 AWG	1071	10%	1178	LF	\$ 0.34	\$ 400.55	0.030	35.34	\$ 75	\$ 2,651	\$ 3,051	
		Security Level 1- Area B1												
193		C-1-2: 360 Degree Surveillance Camer Camera Model And Mounting Height	1	0%	1	EA	\$ 565.00	\$ 565.00	3.000	3.00	\$ 75	\$ 225	\$ 790	
194		C-1-3: 360 Degree Multi-Directional Lens	1	0%	1	EA	\$ 520.00	\$ 520.00	3.000	3.00	\$ 75	\$ 225	\$ 745	
195		CR: Card Reader	2	0%	2	EA	\$ 225.00	\$ 450.00	1.500	3.00	\$ 75	\$ 225	\$ 675	
196		DC1: Overhead Door Contact Provide Amored Cable From Switch Of Junction Box	1	0%	1	EA	\$ 140.00	\$ 140.00	1.500	1.50	\$ 75	\$ 113	\$ 253	
197		DC: Door Contact	3	0%	3	EA	\$ 140.00	\$ 420.00	1.000	3.00	\$ 75	\$ 225	\$ 645	
198		MD: Motion Detector	2	0%	2	EA	\$ 280.00	\$ 560.00	1.500	3.00	\$ 75	\$ 225	\$ 785	
199		Rex- Request-To-Exit Is Integral With Electrified Locking Hardware. Provided And Installed By Others.	3	0%	3	EA	\$ -	\$ -	1.500	4.50	\$ 75	\$ 338	\$ 338	
		Security Level 1- Area B3												
200		C-1-4: 360 Degree Surveillance Camer Camera Model And Mounting Height	1	0%	1	EA	\$ 565.00	\$ 565.00	3.000	3.00	\$ 75	\$ 225	\$ 790	
201		C-1-5: 360 Degree Surveillance Camer Camera Model And Mounting Height	1	0%	1	EA	\$ 565.00	\$ 565.00	3.000	3.00	\$ 75	\$ 225	\$ 790	
202		C-1-6: 360 Degree Surveillance Camer Camera Model And Mounting Height	1	0%	1	EA	\$ 565.00	\$ 565.00	3.000	3.00	\$ 75	\$ 225	\$ 790	
203		C-1-7: Single Lens Dome	1	0%	1	EA	\$ 225.00	\$ 225.00	1.500	1.50	\$ 75	\$ 113	\$ 338	
204		C-1-8: 360 Degree Directional Lens	1	0%	1	EA	\$ 300.00	\$ 300.00	1.500	1.50	\$ 75	\$ 113	\$ 413	
205		C-1-9: Single Lens Dome	1	0%	1	EA	\$ 225.00	\$ 225.00	1.500	1.50	\$ 75	\$ 113	\$ 338	
206		C-1-10: Single Lens Dome	1	0%	1	EA	\$ 225.00	\$ 225.00	1.500	1.50	\$ 75	\$ 113	\$ 338	
207		CR: Card Reader	4	0%	4	EA	\$ 225.00	\$ 900.00	1.500	6.00	\$ 75	\$ 450	\$ 1,350	
208		DC1: Over Head Door Contact	1	0%	1	EA	\$ 140.00	\$ 140.00	1.000	1.00	\$ 75	\$ 75	\$ 215	
209		DC: Door Contact	6	0%	6	EA	\$ 140.00	\$ 840.00	1.000	6.00	\$ 75	\$ 450	\$ 1,290	
210		MD: 360 Degree Motion Detector Mounted To Ceiling	3	0%	3	EA	\$ 285.00	\$ 855.00	1.500	4.50	\$ 75	\$ 338	\$ 1,193	
211		MD: Motion Detector	4	0%	4	EA	\$ 250.00	\$ 1,000.00	1.500	6.00	\$ 75	\$ 450	\$ 1,450	
		Technology												
		TL - Level 1- Area B2												
212		CR3: Control Receptacle Station Type: 3-gang control receptacle station Mounting Height: Custom refer to detail Cover/Installation: As per detail Conduit: As required for number of cables refer to plans and details CRS: (Control Receptacle Station) Type 2 Type: 2-gang control receptacle station Mounting Height: Custom Cover/Installation: Custom Conduit/Requirements: Refer to plans	2	0%	2	EA	\$ 336.00	\$ 672.00	1.500	3.00	\$ 75	\$ 225	\$ 897	
213		DMX: Receptacle Station Type: 1-gang DMX receptacle Mounting Height: As required per plans Cover/Installation: Custom Conduit/Requirements: Refer to plans HL2: House Light Station (Two Push Buttons) Type: 1-gang house light station with two push buttons Mounting Height: Building switch height refer to detail Installation: As shown on plans	1	0%	1	EA	\$ 336.00	\$ 336.00	1.500	1.50	\$ 75	\$ 113	\$ 449	
214		JB: Junction Box Type: 2-gang junction box Mounting Height: Building outlet height custom, Conduit/Cabling: As required for number of cables MBP: Motorized Breaker Panel PSU: Power Supply Unit Mounted at building outlet height Custom installation: coordinate with Division 11 subcontractor	6	0%	6	EA	\$ 336.00	\$ 2,016.00	1.500	9.00	\$ 75	\$ 675	\$ 2,691	
215		SMP: Stage Manager Panel Coordinate with Division 27 WB: Multi-Circuit Wall Box Coordinate with Division 11 subcontractor Conduit/cabling as required for number of conductors A--- follow electrical drawings and cable management specifications	7	0%	7	EA	\$ 336.00	\$ 2,352.00	1.500	10.50	\$ 75	\$ 788	\$ 3,140	
216		Wiring												
221		14 AWG	654	10%	719	LF	\$ 0.38	\$ 273.37	0.034	24.46	\$ 75	\$ 1,834	\$ 2,108	
		TL - Level 1- Area B3												
222		CR3: Control Receptacle Station Type: 3-gang control receptacle station Mounting Height: Custom A--- refer to detail Cover/Installation: As per detail Conduit: As required for number of cables A--- refer to plans and details House Light Master LCD Station Type: 3-gang master LCD house light station Mounting Height: Building switch height A--- custom	4	0%	4	EA	\$ 336.00	\$ 1,344.00	1.500	6.00	\$ 75	\$ 450	\$ 1,794	
223		CR3: Control Receptacle Station Type: 3-gang control receptacle station Mounting Height: Custom A--- refer to detail Cover/Installation: As per detail Conduit: As required for number of cables A--- refer to plans and details House Light Master LCD Station Type: 3-gang master LCD house light station Mounting Height: Building switch height A--- custom	1	0%	1	EA	\$ 336.00	\$ 336.00	1.500	1.50	\$ 75	\$ 113	\$ 449	

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
224		WB A- Multi-Circuit Wall Box Coordinate with Division 11 subcontractor Conduit/cabling as required for number of conductors A— follow electrical drawings and cable management specifications	4	0%	4	EA	\$ 140.00	\$ 560.00	1.000	4.00	\$ 75	\$ 300	\$ 860	
225		Wiring 14 AWG TL - Level 2- Area B2	695	10%	765	LF	\$ 0.39	\$ 298.16	0.036	27.52	\$ 75	\$ 2,064	\$ 2,362	
226		CDR: Call Detail Record	1	0%	1	EA	\$ 180.00	\$ 180.00	1.500	1.50	\$ 75	\$ 113	\$ 293	
227		CR3: Control Receptacle Station Type: 3-gang control receptacle station Mounting Height: Custom A— refer to detail Cover/Installation: As per detail	1	0%	1	EA	\$ 336.00	\$ 336.00	1.500	1.50	\$ 75	\$ 113	\$ 449	
228		Conduit: As required for number of cables A— refer to plans and details DMX: Receptacle Station Type: 1-gang DMX receptacle Mounting Height: As required per plans Cover/Installation: Custom	2	0%	2	EA	\$ 336.00	\$ 672.00	1.500	3.00	\$ 75	\$ 225	\$ 897	
229		Conduit/Requirements: Refer to plans EDB: Emergency DMX Bypass Control Refer to Note 1 for requirements Conduit/cabling as required for number of conductors Follow electrical drawings for routing and installation ELTS: (Emergency Lighting Transfer Switch)	1	0%	1	EA	\$ 320.00	\$ 320.00	1.500	1.50	\$ 75	\$ 113	\$ 433	
230		Refer to Note 1 for details Conduit and wiring as required for number of conductors Follow electrical drawings for installation ERP: (Emergency DMX Controlled Relay Panel)	1	0%	1	EA	\$ 90.00	\$ 90.00	1.000	1.00	\$ 75	\$ 75	\$ 165	
231		Conduit/wiring as required for number of conductors GJB: Gridiron Junction Box Mounted to wall, structure, or gridiron as noted Contractor must coordinate cable management with TR Conduit/wiring as required for number of conductors HL2: House Light Station (Two Push Buttons)	1	0%	1	EA	\$ 565.00	\$ 565.00	3.000	3.00	\$ 75	\$ 225	\$ 790	
232		Type: 1-gang house light station with two push buttons Mounting Height: Building switch height A— refer to detail Installation: As shown on plans NET: (Theatrical Lighting Network Receptacle, Type 1)	4	0%	4	EA	\$ 75.00	\$ 300.00	1.000	4.00	\$ 75	\$ 300	\$ 600	
233		Type: 1-gang network receptacle Mounting Height: As required per plans Installation: Custom per detail; may be recessed, surface-mounted, or pipe-mounted Requirements: Follow plans for exact location and mounting	5	0%	5	EA	\$ 180.00	\$ 900.00	1.500	7.50	\$ 75	\$ 563	\$ 1,463	
234		NN2: (Universe D Network DMX Node, Type 2) Type: 2-gang DMX network node Mounting Height: Building outlet height Installation: As required per plans; custom Requirements: Follow plans and details for exact mounting and connections	2	0%	2	EA	\$ 200.00	\$ 400.00	1.500	3.00	\$ 75	\$ 225	\$ 625	
235		PB3: (Multi-Circuit Plugging Box) Type: Multi-circuit plugging box Mounting: Pipe-mounted	10	0%	10	EA	\$ 200.00	\$ 2,000.00	1.500	15.00	\$ 75	\$ 1,125	\$ 3,125	
236		PB: (Multi-Circuit Plugging Box) Type: Multi-circuit plugging box Mounting: Pipe-mounted	4	0%	4	EA	\$ 140.00	\$ 560.00	1.000	4.00	\$ 75	\$ 300	\$ 860	
237		PLM: (Phase Loss Monitor) R: Multi-Circuit Plugging Raceway	8	0%	8	EA	\$ 140.00	\$ 1,120.00	1.000	8.00	\$ 75	\$ 600	\$ 1,720	
238		WB A- Multi-Circuit Wall Box Coordinate with Division 11 subcontractor Conduit/cabling as required for number of conductors A— follow electrical drawings and cable management specifications	1	0%	1	EA	\$ 336.00	\$ 336.00	1.500	1.50	\$ 75	\$ 113	\$ 449	
239		TL - Level 2- Area B3	4	0%	4	EA	\$ 185.00	\$ 740.00	1.000	4.00	\$ 75	\$ 300	\$ 1,040	
240		DMX: Receptacle Station Type: 1-gang DMX receptacle Mounting Height: As required per plans Cover/Installation: Custom	2	0%	2	EA	\$ 140.00	\$ 280.00	1.000	2.00	\$ 75	\$ 150	\$ 430	
241		Conduit/Requirements: Refer to plans NET: (Theatrical Lighting Network Receptacle, Type 1) Type: 1-gang network receptacle Mounting Height: As required per plans Installation: Custom per detail; may be recessed, surface-mounted, or pipe-mounted Requirements: Follow plans for exact location and mounting	4	0%	4	EA	\$ 336.00	\$ 1,344.00	1.500	6.00	\$ 75	\$ 450	\$ 1,794	
242		PB: (Multi-Circuit Plugging Box) Type: Multi-circuit plugging box Mounting: Pipe-mounted Electrical (Addendum work)	1	0%	1	EA	\$ 90.00	\$ 90.00	1.500	1.50	\$ 75	\$ 113	\$ 203	
243		Requirements: Follow plans for exact location and mounting PB: (Multi-Circuit Plugging Box) Type: Multi-circuit plugging box Mounting: Pipe-mounted Electrical (Addendum work)	16	0%	16	EA	\$ 140.00	\$ 2,240.00	1.000	16.00	\$ 75	\$ 1,200	\$ 3,440	
244		Demo												
245		E4: Remove Light	13	0%	13	EA	\$ -	\$ -	0.800	10.40	\$ 75	\$ 780	\$ 780	
246		E4 Remove Theatrical House Lighting	1	0%	1	EA	\$ -	\$ -	0.950	0.95	\$ 75	\$ 71	\$ 71	
247		E5 Remove Light	4	0%	4	EA	\$ -	\$ -	0.800	3.20	\$ 75	\$ 240	\$ 240	
248		E24 Remove Colling Door	1	0%	1	EA	\$ -	\$ -	2.000	2.00	\$ 75	\$ 150	\$ 150	
249		E34 Remove Distribution Board	3	10%	3	EA	\$ -	\$ -	6.154	20.31	\$ 75	\$ 1,523	\$ 1,523	
250		E35 Remove Seating Lighting	5	0%	5	EA	\$ -	\$ -	0.850	4.25	\$ 75	\$ 319	\$ 319	
251		E37 Remove Theatrical Light	4	0%	4	EA	\$ -	\$ -	0.900	3.60	\$ 75	\$ 270	\$ 270	
252		E42 Remove Ln Panel	1	0%	1	EA	\$ -	\$ -	6.154	6.15	\$ 75	\$ 462	\$ 462	
253		E42 Remove Transformer	1	0%	1	EA	\$ -	\$ -	8.000	8.00	\$ 75	\$ 600	\$ 600	
254		E59 Remove Receptacle	2	0%	2	EA	\$ -	\$ -	0.500	1.00	\$ 75	\$ 75	\$ 75	
255		E67 Remove Switch	8	0%	8	EA	\$ -	\$ -	0.400	3.20	\$ 75	\$ 240	\$ 240	
256		E68 Remove Light Switch New Work	4	0%	4	EA	\$ -	\$ -	0.400	1.60	\$ 75	\$ 120	\$ 120	
257		Level 1												
258		Switch												
259		SLV: Low Voltage Switch	5	0%	5	EA	\$ 45.00	\$ 225.00	0.850	4.25	\$ 75	\$ 319	\$ 544	
260		E57 Disconnect Swtch 600V/30ANF/1P/Neam-3R Heavy Duty	3	0%	3	EA	\$ 68.00	\$ 204.00	0.850	2.55	\$ 75	\$ 191	\$ 395	
261		E63 Disconnect Swtch 600V/30ANF/3P/Neam-3R Heavy Duty	2	0%	2	EA	\$ 77.00	\$ 154.00	0.900	1.80	\$ 75	\$ 135	\$ 289	
262		E64 Disconnect Swtch 600V/30ANF/3P/Neam-3R Heavy Duty	2	0%	2	EA	\$ 77.00	\$ 154.00	0.900	1.80	\$ 75	\$ 135	\$ 289	
263		E65 Disconnect Swtch 600V/30ANF/3P/Neam-4X Heavy Duty	1	0%	1	EA	\$ 77.00	\$ 77.00	0.900	0.90	\$ 75	\$ 68	\$ 145	
264		Sensor												
265		OS: Occupancy Sensor	2	0%	2	EA	\$ 156.00	\$ 312.00	1.231	2.46	\$ 75	\$ 185	\$ 497	
266		VS: VacncaY Sensor Switch Handhold Box	4	0%	4	EA	\$ 95.00	\$ 380.00	1.000	4.00	\$ 75	\$ 300	\$ 680	
267		Box												
268		J: In Ground Junction Box. Contractor Shall Provide Pull Boxes Where Required For Pull	2	0%	2	EA	\$ 80.00	\$ 160.00	1.500	3.00	\$ 75	\$ 225	\$ 385	
269		Light												
270		SB: Stage Blue Light Pathway Fixture (Approved Equals) Type: Stage / Pathway Light Color: Blue LED Mounting: Wall-mounted Voltage: 120V or 120-277V (depending on model) Finish: Black Approved Equivalent Manufacturers / Models Bruck: #138021-BLACK-BLU-VC Signify: #PH2SBKBLU Limeex: #SL650-BLUE-120-277-BLACK Primex: #3910-HI -RK-120J.FD.R	8	0%	8	EA	\$ 185.00	\$ 1,480.00	1.500	12.00	\$ 75	\$ 900	\$ 2,380	
271		AF40: 2X 4Flat Panel, Medium Lumen Level With Integr Battery Backup. Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM-EM10 Columbia Lighting #NBT24-40L042G-SF-ED1U-ELL14 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 36 Voltage: 277	4	0%	4	EA	\$ 198.00	\$ 792.00	1.600	6.40	\$ 75	\$ 480	\$ 1,272	
272		AF40E: Emergency 2X 4Flat Panel, Medium Lumen Level With Integr Battery Backup. Basis Of Design: Metalux #24CGTX-40-EL14W-L840-CD Manufacturers: Lithonia Lighting #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT-E10W Day-Brite #2FPZ43L840-4-DS-UNV-DIM-EM10 Columbia Lighting #NBT24-40L042G-SF-ED1U-ELL14 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 36 Voltage: 277	2	0%	2	EA	\$ 198.00	\$ 396.00	1.800	3.60	\$ 75	\$ 270	\$ 666	

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
267		D410E Recessed Round Downlight Finish: Semi-specular Light Source: LED, 4000K color temperature Emergency: Integral battery backup Light Output: ~900 lumens Wattage: ~11W Voltage: 277V Beam / Distribution: Wide distribution Approved Equivalent Manufacturers / Models Portfolio: #LD4C1090400010EM-WOL1 Gotham: #IV04-0-10LM-40K-80CRI-WD-MIN10-MVOLT-ZT-E7W-P-XX-LS-S-F Lightolier: #4RNEM6-C4L10940W210U-CARD CL Prescolite: #LTR-4RD-H-SL-10L-DM1-LTR-EM-4RD-T-SL40KBWD-SS-XX F-440U: Emergency 4" Strip With Semi-Frosted Lens And Narrow Distribution. Provide Fixture With Chain Hanger Kit. Basis Of Design: Metlux #4SNLED-LD5-41SL-LN-UNV-L840-CD-1-AYC-CHAINSET Manufacturers: Lithonia #ZL1D-L48-SMR-3000LM-FST-MVOLT-40K-80CRI-WH-HC36 Columbia Lighting #MPS4-40ML-CN-EDU-CSHC Day-Brite #FSS440L840-UNV-DIM-FKR-126 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 31 Voltage: 277V	1	0%	1	EA	\$ 166.00	\$ 166.00	1.000	1.00	\$ 75	\$ 75	\$ 241	
268		XTC Universal Mount Exit Sign With Integral Battery Backup Basis Of Design: Sure-Lites #LPX7 Manufacturers: Lighting #LOM-S-W-3-R-120/277-M6-ELN Chloride #Verwen Lithonia Compass #Ccr Lamps/CCTLED 4000K Lumens: 500 Wattage: 17 Voltage: 277V	1	0%	1	EA	\$ 190.00	\$ 190.00	1.500	1.50	\$ 75	\$ 113	\$ 303	
269		F460F440: 4" Strip With Semi-Frosted Lens And Narrow Distribution. Provide Fixture With Chain Hanger Kit. Basis Of Design: Metlux #4SNLED-LD5-41SL-LN-UNV-L840-CD-1-AYC-CHAINSET Manufacturers: Lithonia #ZL1D-L48-SMR-3000LM-FST-MVOLT-40K-80CRI-WH-HC36 Columbia Lighting #MPS4-40ML-CN-EDU-CSHC Day-Brite #FSS440L840-UNV-DIM-FKR-126 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 31 Voltage: 277V	1	0%	1	EA	\$ 166.00	\$ 166.00	1.200	1.20	\$ 75	\$ 90	\$ 256	
270		F460F440: 4" Strip With Semi-Frosted Lens And Narrow Distribution. Provide Fixture With Chain Hanger Kit. Basis Of Design: Metlux #4SNLED-LD5-41SL-LN-UNV-L840-CD-1-AYC-CHAINSET Manufacturers: Lithonia #ZL1D-L48-SMR-3000LM-FST-MVOLT-40K-80CRI-WH-HC36 Columbia Lighting #MPS4-40ML-CN-EDU-CSHC Day-Brite #FSS440L840-UNV-DIM-FKR-126 Lamps/CCTLED 4000K Lumens: 4000 Wattage: 31 Voltage: 277V	5	0%	5	EA	\$ 195.00	\$ 975.00	1.500	7.50	\$ 75	\$ 563	\$ 1,538	
271		Wiring #2#12, #1#12 Grounding Wiring @ THHN Wire Misc	462	10%	508	LF	\$ 0.52	\$ 264.26	0.040	20.33	\$ 75	\$ 1,525	\$ 1,789	
272		E 36: Alternate Existing Circuit For Walkway Lighting Shall Be Extended To Integral Light	5	0%	5	EA	\$ 60.00	\$ 300.00	0.850	4.25	\$ 75	\$ 319	\$ 619	
273		E 70 Lighting Circuit To Continue To Second Floor Mechanical Room	1	0%	1	EA	\$ 75.00	\$ 75.00	0.850	0.85	\$ 75	\$ 64	\$ 139	
274		E8: All Existing Electrical Devices And Equipment In This Room Shall Remain.	1	0%	1	EA	\$ 140.00	\$ 140.00	0.800	0.80	\$ 75	\$ 60	\$ 200	
275		E61: Alternate 10: In Lieu Of New Intake Fan If-1 New Doas Roof Mounted Unit Shall Be Added And Fed From New Switchboard	1	0%	1	EA	\$ 120.00	\$ 120.00	1.500	1.50	\$ 75	\$ 113	\$ 233	
276		E62: Alternate: Two New Air Cooke Chillers And Associated Pumps Added To Rectepectalce Existing Chiller And Circutued Level 2	1	0%	1	EA	\$ 180.00	\$ 180.00	2.000	2.00	\$ 75	\$ 150	\$ 330	
277		Switch E54 Disconnect Switch 250V/30A/NF/2P/Nema-3R Heavy Duty	1	0%	1	EA	\$ 68.00	\$ 68.00	0.750	0.75	\$ 75	\$ 56	\$ 124	
278		Single Pole Pole Switch Receptacle	2	0%	2	EA	\$ 13.00	\$ 26.00	0.468	0.94	\$ 75	\$ 70	\$ 96	
279		Duplex Tamper Resistant Receptacle	3	0%	3	EA	\$ 42.00	\$ 126.00	0.800	2.40	\$ 75	\$ 180	\$ 306	
280		Water Proof Duplex Tamper Resistant Receptacle Light	1	0%	1	EA	\$ 56.00	\$ 56.00	0.850	0.85	\$ 75	\$ 64	\$ 120	
281		E69: New Light Fixtures Shall Be Connected And Controlled With Exiting Light Fixtures In Room Connection	3	0%	3	EA	\$ 90.00	\$ 270.00	1.500	4.50	\$ 75	\$ 338	\$ 608	
282		Motor Connection Panel	1	10%	1	EA	\$ 68.00	\$ 74.80	0.800	0.88	\$ 75	\$ 66	\$ 141	
283		HD3B: Panel Voltage: 08Y/277.3P,4W Ampress: 200A	1	0%	1	EA	\$ 2,210.00	\$ 2,210.00	20.000	20.00	\$ 75	\$ 1,500	\$ 3,710	
284		HMB3: Panel Voltage: 08Y/277.3P,4W Ampress: 200A	1	0%	1	EA	\$ 2,210.00	\$ 2,210.00	20.000	20.00	\$ 75	\$ 1,500	\$ 3,710	
285		LP3B: Panel Voltage: 208Y/120V,3P,4W Amperes: 225A Main Type: 150A MCB Wiring	1	0%	1	EA	\$ 2,485.00	\$ 2,485.00	22.000	22.00	\$ 75	\$ 1,650	\$ 4,135	
286		#2#12, #1#12 Grounding Wiring @ THHN Wire	70	10%	77	LF	\$ 0.56	\$ 43.12	0.040	3.08	\$ 75	\$ 231	\$ 274	
287		Transformer TLP3B: Transformer	1	0%	1	EA	\$ 6,520.00	\$ 6,520.00	30.000	30.00	\$ 75	\$ 2,250	\$ 8,770	
		Subtotal (Electrical)				Total mat. cost:	\$ 364,091			To. Labor	\$ 287,807		\$ 651,898	
NOTES FOR CLIENTS											TOTAL TRADES AMOUNT		\$ 679,598	
1. This estimate is based on real market prices that are regularly updated by our team persons through market surveys and online resources, we still encourage our clients to put their own. 2. This sheet is your property and we encourage you to fine tune the wastage and pricing values to your preference. 3. Feel free to contact us for any queries or suggestions.											OVERHEAD		7%	\$ 47,571.85
											PROFIT		15%	\$ 101,939.68
											INSURANCE		3%	\$ 20,387.94
											CONTINGENCY		2%	\$ 13,591.96
											TOTAL BASE BID		\$ 863,089	
Notes:														