

GENERAL SUMMARY

Prepared for: College Building J First Floor Remodel
Project ID:
Scope: Electrical
No. Of Floors: 1
Date: 10/16/23



BUILDING GSF		13248	
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	\$ 39,500	\$ 3
2000	Existing Condition	\$ 13,363	\$ 1
26000	Electrical	\$ 157,220	\$ 12
TOTAL TRADE COST		\$ 210,083	\$ 16
OVERHEAD AND PROFIT			
	15%	\$ 31,512	\$ 2.38
INSURANCE	3%	\$ 6,302	\$ 0
CONTINGENCY	5%	\$ 10,504	\$ 1
TAX	0.0%	\$ -	\$ -
SUGGESTED BID		\$ 258,402	\$ 20



DETAILED BREAKDOWN OF ITEMS

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
GENERAL REQUIREMENTS														
1			Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -		\$ -	
2			Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 17,500.00	\$ 17,500.00	
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 1,500.00	
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00	
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 12,000.00	\$ 12,000.00	
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00	
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,000.00	\$ 1,000	
												SUBTOTAL	\$ 39,500	
EXISTING CONDITIONS														
DEMOLITION														
8	ED2.01, ED2.02, ED3.01, ED3.02, TD6.01 & TD6.02		Existing Carbon Monoxide/Smoke Detector To Be Removed With Associated Wiring	EA	3	0%	3	0.198	\$ 95.00	\$ 18.81	\$ -	\$ 18.81	\$ 56.43	
9			Existing Ceiling Mounted Duplex Receptacle To Be Removed With Associated Wiring	EA	9	0%	9	0.180	\$ 95.00	\$ 17.10	\$ -	\$ 17.10	\$ 153.90	
10			Existing Double Duplex Receptacle To Be Removed With Associated Wiring	EA	10	0%	10	0.189	\$ 95.00	\$ 17.96	\$ -	\$ 17.96	\$ 179.55	
11			Existing Duplex Receptacle To Be Removed With Associating Wiring	EA	48	0%	48	0.162	\$ 95.00	\$ 15.39	\$ -	\$ 15.39	\$ 738.72	
12			Existing Duplex Receptacle, GFCI To Be Removed With Associated Wiring	EA	2	0%	2	0.162	\$ 95.00	\$ 15.39	\$ -	\$ 15.39	\$ 30.78	
13			Existing Manual Pull Station To Be Removed With Associated Wiring	EA	3	0%	3	0.225	\$ 95.00	\$ 21.38	\$ -	\$ 21.38	\$ 64.13	
14			Existing Single Special Purpose Receptacle To Be Removed With Associated Wiring	EA	6	0%	6	0.108	\$ 95.00	\$ 10.26	\$ -	\$ 10.26	\$ 61.56	
15			Existing Thermostat Wall Mounted To Be Removed	EA	1	0%	1	0.144	\$ 95.00	\$ 13.68	\$ -	\$ 13.68	\$ 13.68	
16			Power Pole To Be Removed	EA	2	0%	2	1.800	\$ 95.00	\$ 171.00	\$ -	\$ 171.00	\$ 342.00	
17			Power Pole With Receptacle To Be Removed	EA	8	0%	8	2.025	\$ 95.00	\$ 192.38	\$ -	\$ 192.38	\$ 1,539.00	
18			Junction Box To Be Removed	EA	9	0%	9	0.234	\$ 95.00	\$ 22.23	\$ -	\$ 22.23	\$ 200.07	
19			Speaker/Strobe Combination, Wall Mounted To Be Removed	EA	1	0%	1	0.270	\$ 95.00	\$ 25.65	\$ -	\$ 25.65	\$ 25.65	
20			Smoke Detector To Be Removed	EA	1	0%	1	0.135	\$ 95.00	\$ 12.83	\$ -	\$ 12.83	\$ 12.83	
21			Existing 1-Port Outlet To Be Removed	EA	13	0%	13	0.113	\$ 95.00	\$ 10.69	\$ -	\$ 10.69	\$ 138.94	
22			Existing 2x4 Lighting Fixture To Be Demolished W/ Associated Wiring Back To Source	EA	208	0%	208	0.315	\$ 95.00	\$ 29.93	\$ -	\$ 29.93	\$ 6,224.40	
23			Existing 2-Port Outlet To Be Removed	EA	56	0%	56	0.117	\$ 95.00	\$ 11.12	\$ -	\$ 11.12	\$ 622.44	
24			Existing 3-Port Outlet To Be Removed	EA	6	0%	6	0.117	\$ 95.00	\$ 11.12	\$ -	\$ 11.12	\$ 66.69	
25			Existing 4-Port Outlet To Be Removed	EA	22	0%	22	0.117	\$ 95.00	\$ 11.12	\$ -	\$ 11.12	\$ 244.53	
26			Existing Cable Tray To Be Removed	LF	168	0%	168	0.011	\$ 95.00	\$ 1.03	\$ -	\$ 1.03	\$ 172.59	
27			Existing Ceiling Projector To Be Removed	EA	8	0%	8	0.270	\$ 95.00	\$ 25.65	\$ -	\$ 25.65	\$ 205.20	
28			Existing Clock To Be Removed	EA	9	0%	9	0.090	\$ 95.00	\$ 8.55	\$ -	\$ 8.55	\$ 76.95	
29			Existing Exit Sign To Be Removed	EA	9	0%	9	0.090	\$ 95.00	\$ 8.55	\$ -	\$ 8.55	\$ 76.95	
30			Existing Race-Way To Be Removed	LF	69	0%	69	0.009	\$ 95.00	\$ 0.86	\$ -	\$ 0.86	\$ 58.97	
31			Existing Rack & Wall-Mounted Enclosures To Be Removed	SF	216	0%	216	0.005	\$ 95.00	\$ 0.43	\$ -	\$ 0.43	\$ 92.49	
32			Assumed Existing Speaker To Be Removed	EA	1	0%	1	0.288	\$ 95.00	\$ 27.36	\$ -	\$ 27.36	\$ 27.36	
33			Existing Surface Mounted Fiber Cabinet To Be Demolished In Its Entirety	EA	1	0%	1	0.315	\$ 95.00	\$ 29.93	\$ -	\$ 29.93	\$ 29.93	
34			Existing Wall Mounted PIR Motion Detector To Be Removed	EA	11	0%	11	0.216	\$ 95.00	\$ 20.52	\$ -	\$ 20.52	\$ 225.72	
35			Existing 12-Strand 62.6/125MM Cable From Main To IDF-1A Rack	EA	1	0%	1	0.558	\$ 95.00	\$ 53.01	\$ -	\$ 53.01	\$ 53.01	
RELOCATION														
36			Existing 100A Panel To Be Relocated	EA	3	0%	3	3.465	\$ 95.00	\$ 329.18	\$ -	\$ 329.18	\$ 987.53	
37			Existing Smoke Detector To Be Re-Purposed	EA	2	0%	2	0.765	\$ 95.00	\$ 72.68	\$ -	\$ 72.68	\$ 145.35	
38			Existing Speaker/Strobe Combination Ceiling Mounted To Be Re-Purposed	EA	1	0%	1	0.720	\$ 95.00	\$ 68.40	\$ -	\$ 68.40	\$ 68.40	

DETAILED BREAKDOWN OF ITEMS

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39			Existing Exterior Light Fixture To Be Relocated	EA	5	0%	5	0.900	\$ 95.00	\$ 85.50	\$ -	\$ 85.50	\$ 427.50
												SUBTOTAL	\$ 13,363

ELECTRICAL

DISTRIBUTION													
CONDUIT													
40			1-1/2" EMT Conduit	LF	96	10%	106	0.080	\$ 95.00	\$ 7.61	\$ 6.49	\$ 14.10	\$ 1,492.32
CONDUCTOR													
41			#8 CU THHN/THWN	LF	96	10%	106	0.009	\$ 95.00	\$ 0.86	\$ 0.60	\$ 1.46	\$ 154.00
42			#1 CU THHN/THWN	LF	385	10%	423	0.018	\$ 95.00	\$ 1.71	\$ 2.54	\$ 4.25	\$ 1,799.31
LUGS													
43			Compression Lug CU With 1-Hole , #8 CU Wire	EA	6	0%	6	0.045	\$ 95.00	\$ 4.28	\$ 4.45	\$ 8.73	\$ 52.35
44			Heat Shrink Tubing for #8 CU Wire	EA	6	0%	6	0.009	\$ 95.00	\$ 0.86	\$ 1.00	\$ 1.86	\$ 11.13
45			Compression Lug CU With 1-Hole , #1 CU Wire	EA	24	0%	24	0.045	\$ 95.00	\$ 4.28	\$ 4.45	\$ 8.73	\$ 209.40
46			Heat Shrink Tubing for #1 CU Wire	EA	24	0%	24	0.009	\$ 95.00	\$ 0.86	\$ 1.00	\$ 1.86	\$ 44.52
CIRCUIT BREAKER													
47			2P/25A Breaker In Panel LN4	EA	1	0%	1	0.288	\$ 95.00	\$ 27.36	\$ 22.13	\$ 49.49	\$ 49.49
DISCONNECT SWITCH													
48		Rating Assumed From Panel	20A Fused Disconnect Switch	EA	1	0%	1	0.450	\$ 95.00	\$ 42.75	\$ 78.06	\$ 120.81	\$ 120.81
POWER													
CONDUIT													
49			3/4" EMT Conduit	LF	3431	10%	3774	0.056	\$ 95.00	\$ 5.30	\$ 1.55	\$ 6.85	\$ 25,856.36
CONDUCTOR													
50			#12 CU THHN/THWN	LF	14818	10%	16300	0.006	\$ 95.00	\$ 0.60	\$ 0.52	\$ 1.12	\$ 18,231.33
51			#10 CU THHN/THWN	LF	891	10%	980	0.007	\$ 95.00	\$ 0.68	\$ 0.58	\$ 1.26	\$ 1,238.85
DEVICE													
52			Double Duplex Receptacle	EA	2	0%	2	0.315	\$ 95.00	\$ 29.93	\$ 32.51	\$ 62.44	\$ 124.87
53			Double Duplex Receptacle With 1/2 Switched	EA	12	0%	12	0.315	\$ 95.00	\$ 29.93	\$ 35.60	\$ 65.53	\$ 786.30
54			38	EA	107	0%	107	0.468	\$ 95.00	\$ 44.46	\$ 38.00	\$ 82.46	\$ 8,823.22
55			Duplex Receptacle	EA	21	0%	21	0.293	\$ 95.00	\$ 27.79	\$ 24.99	\$ 52.78	\$ 1,108.33
56			Duplex Receptacle With 1/2 Switched	EA	32	0%	32	0.293	\$ 95.00	\$ 27.79	\$ 25.66	\$ 53.45	\$ 1,710.32
57			Duplex Receptacle, Ceiling Mounted	EA	6	0%	6	0.360	\$ 95.00	\$ 34.20	\$ 40.22	\$ 74.42	\$ 446.52
58			Duplex Receptacle, Flush Mounted	EA	12	0%	12	0.360	\$ 95.00	\$ 34.20	\$ 81.20	\$ 115.40	\$ 1,384.80
59			Duplex Receptacle, GFCI	EA	2	0%	2	0.293	\$ 95.00	\$ 27.79	\$ 25.00	\$ 52.79	\$ 105.58
60			Duplex Receptacle, GFCI, Above Counter	EA	5	0%	5	0.293	\$ 95.00	\$ 27.79	\$ 25.00	\$ 52.79	\$ 263.94
61			Equipment Connection	EA	2	0%	2	1.080	\$ 95.00	\$ 102.60	\$ -	\$ 102.60	\$ 205.20
62			Connectrac, Surface Mounted	LF	823	10%	905	0.015	\$ 95.00	\$ 1.45	\$ 14.10	\$ 15.55	\$ 14,083.66
LIGHTING													
CONDUIT													
63			3/4" EMT Conduit	LF	2583	10%	2842	0.056	\$ 95.00	\$ 5.30	\$ 1.55	\$ 6.85	\$ 19,468.23
CONDUCTOR													
64			#12 CU THHN/THWN	LF	2713	10%	2984	0.006	\$ 95.00	\$ 0.60	\$ 0.52	\$ 1.12	\$ 3,337.82
65			#10 CU THHN/THWN	LF	5037	10%	5541	0.007	\$ 95.00	\$ 0.68	\$ 0.58	\$ 1.26	\$ 7,003.57
LIGHTING FIXTURES													
66			L3: 4' Utility LED Strip Light, AFX LIGHTING LSL SERIES, 3500K, LED Mounted: Surface Watt: 35W	EA	3	0%	3	0.648	\$ 95.00	\$ 61.56	\$ 118.00	\$ 179.56	\$ 538.68

E2.01, E2.02,
 F3.01, F3.02 &
 E10.01

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67	E10.01		L4: 6' Wall Washer, 1182 Lumens Per 4' Length 80 CRI With 0-10V Dimming Driver, FINELINE HP-2-R-WW-D-4FT-S-835, PINNACLE EX2D-WHE-N35 SERIES GAMMALUX 2X5WW SERIES, A-LIGHT ACLL8ST-4-LS SERIES, 3500K, LED Mounted: Recessed Watt: 24W	EA	12	0%	12	0.675	\$ 95.00	\$ 64.13	\$ 285.99	\$ 350.12	\$ 4,201.38	
68			L9: 2x2 Direct/Indirect Troffer, Nominally 2' X 2' X 4" LED 29W With Extruded Acrylic Flate Lens With Diffuse Center Optic 2297 Lumens 80 CRI. 0-10V Dimming Driver, FINELITE HPR 2X2-SCO, LITHONIA 2ALL2-33L SERIES, PINNACLE LU22S SERIES, HE WILLIAMS ATI22 SERIES, 3000K, LED Mounted: Recessed Watt: 29W	EA	39	0%	39	0.450	\$ 95.00	\$ 42.75	\$ 110.64	\$ 153.39	\$ 5,982.21	
69			L9X: 2x2 Direct/Indirect Troffer, Nominally 2' X 2' X 4" LED 29W With Extruded Acrylic Flate Lens With Diffuse Center Optic 2297 Lumens 80 CRI. 0-10V Dimming Driver W/ Emergency Battery Backup, FINELITE HPR 2X2-SCO, LITHONIA 2ALL2-33L SERIES, PINNACLE LU22S SERIES, HE WILLIAMS ATI22 SERIES, 3000K, LED Mounted: Recessed Watt: 29W	EA	8	0%	8	0.450	\$ 95.00	\$ 42.75	\$ 110.64	\$ 153.39	\$ 1,227.12	
70			L10: 2x2 Direct/Indirect Troffer, Nominally 2' X 2' X 4" LED29 With Extruded Acrylic Flate Lens With Diffuse Center Optic 4161 Lumens 80 CRI. 0-10V Dimming Driver, FINELITE HPR 2X2-SCO, LITHONIA 2ALL2-33L SERIES, PINNACLE LU22S SERIES, HE WILLIAMS ATI22 SERIES Mounted: Recessed Watt: 37W	EA	167	0%	167	0.450	\$ 95.00	\$ 42.75	\$ 142.00	\$ 184.75	\$ 30,853.25	
71			L10X: 2x2 Direct/Indirect Troffer, Nominally 2' X 2' X 4" LED29 With Extruded Acrylic Flate Lens With Diffuse Center Optic 4161 Lumens 80 CRI. 0-10V Dimming Driver, W/ Emergency Battery Backup, FINELITE HPR 2X2-SCO, LITHONIA 2ALL2-33L SERIES, PINNACLE LU22S SERIES, HE WILLIAMS ATI22 SERIES Mounted: Recessed Watt: 37W	EA	12	0%	12	0.450	\$ 95.00	\$ 42.75	\$ 142.00	\$ 184.75	\$ 2,217.00	
72			X1: Building Standard Exit Sign, LED Watt: 5W	EA	7	0%	7	0.360	\$ 95.00	\$ 34.20	\$ 33.60	\$ 67.80	\$ 474.60	
73			X1: Building Standard Exit Sign, 2-Way, LED Watt: 5W	EA	2	0%	2	0.360	\$ 95.00	\$ 34.20	\$ 64.28	\$ 98.48	\$ 196.96	
74			LIGHTING CONTROL											
75			Low Voltage Dimmer Switch	EA	14	0%	14	0.203	\$ 95.00	\$ 19.24	\$ 34.99	\$ 54.23	\$ 759.19	
76			Occupancy Sensor	EA	3	0%	3	0.405	\$ 95.00	\$ 38.48	\$ 71.53	\$ 110.01	\$ 330.02	
77			Photocell Light Sensor	EA	4	0%	4	0.162	\$ 95.00	\$ 15.39	\$ 19.98	\$ 35.37	\$ 141.48	
78			Vacancy Sensor	EA	18	0%	18	0.243	\$ 95.00	\$ 23.09	\$ 22.85	\$ 45.94	\$ 826.83	
79		Vacancy Sensor Switch	EA	2	0%	2	0.227	\$ 95.00	\$ 21.55	\$ 21.20	\$ 42.75	\$ 85.49		
		MISCELLANEOUS												
		12"x12"x6" Junction Box (For Door)	EA	14	0%	14	0.405	\$ 95.00	\$ 38.48	\$ 52.47	\$ 90.95	\$ 1,273.23		
											SUBTOTAL	\$ 157,220		
											PROJECTED COST	\$210,083		
OVERHEAD AND PROFIT												15%	\$31,512	
INSURANCE												3%	\$6,302	
CONTINGENCY												5%	\$10,504	

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TAX												0.0%	\$0
SUGGESTED BID													\$258,402

