

GENERAL SUMMARY

Prepared for: 0
Project ID: 25012024
Scope: Electrical
No. Of Floors: 1
Date: 15-Mar-24



BUILDING GSF		9,187	
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	\$ 47,000	\$ 5
2000	Existing Condition	\$ 7,970	\$ 1
26000	Electrical	\$ 164,459	\$ 18
27000	Communications	\$ 31,936	\$ 3
33000	Utilities	\$ 3,610	\$ 0
TOTAL TRADE COST		\$ 254,975	\$ 28
OVERHEAD AND PROFIT			
	15%	\$ 38,246	\$ 4.16
INSURANCE	3%	\$ 7,649	\$ 1
CONTINGENCY	5%	\$ 12,749	\$ 1
TAX	7%	\$ 7,718	\$ 2
SUGGESTED BID		\$ 321,337	\$ 36



DETAILED BREAKDOWN OF ITEMS

Prepared for:
Project ID: 25012024
Scope: Electrical



Date: 15-Mar-24

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	\$ -	\$ -	\$ -	\$ 21,000.00	\$ 21,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 3,000.00	\$ 3,000.00
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 4,000.00	\$ 4,000.00
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 11,500.00	\$ 11,500.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00
												SUBTOTAL	\$ 47,000
EXISTING CONDITIONS													
DEMOLITION													
8	A001.1 & A098		All Existing Electrical & Telecommunication Devices To Be Removed With Associated Wiring & Conduit Back To Source In This Area	SF	6947	0%	6947	0.007	\$ 60.00	\$ 0.42	\$ -	\$ 0.42	\$ 2,917.92
9			All Existing Lighting Fixtures & Switches To Be Removed With Associated Wiring & Conduit Back To Source In This Area	SF	6947	0%	6947	0.012	\$ 60.00	\$ 0.72	\$ -	\$ 0.72	\$ 5,002.14
RELOCATION													
10			Existing Light Bollards Electrical Connection To Be Relocated With Associated Wiring & Conduit	EA	2	0%	2	0.420	\$ 60.00	\$ 25.20	\$ -	\$ 25.20	\$ 50.40
												SUBTOTAL	\$ 7,970
ELECTRICAL													
POWER													
CONDUIT													
11			3/4" EMT Conduit	LF	6030	10%	6633	0.062	\$ 60.00	\$ 3.72	\$ 2.03	\$ 5.75	\$ 38,137.73
12		Assumed	1" EMT Conduit	LF	37	10%	41	0.070	\$ 60.00	\$ 4.20	\$ 3.46	\$ 7.66	\$ 314.29
CONDUCTOR													
13			#18 CU THHN/THWN	LF	602	10%	662	0.005	\$ 60.00	\$ 0.30	\$ 0.09	\$ 0.39	\$ 258.09
14			#12 CU THHN/THWN	LF	17187	10%	18905	0.007	\$ 60.00	\$ 0.42	\$ 0.25	\$ 0.67	\$ 12,666.52
15		Size Assumed	#10 CU THHN/THWN	LF	37	10%	41	0.008	\$ 60.00	\$ 0.48	\$ 0.38	\$ 0.86	\$ 35.29
16			#6 CU THHN/THWN	LF	112	10%	123	0.010	\$ 60.00	\$ 0.60	\$ 0.86	\$ 1.46	\$ 179.71
DEVICE													
17			Duplex Receptacle	EA	165	0%	165	0.300	\$ 60.00	\$ 18.00	\$ 31.00	\$ 49.00	\$ 8,085.00
18			Duplex Receptacle, Dedicated	EA	7	0%	7	0.300	\$ 60.00	\$ 18.00	\$ 39.00	\$ 57.00	\$ 399.00
19			Duplex Receptacle, GFI	EA	17	0%	17	0.300	\$ 60.00	\$ 18.00	\$ 37.00	\$ 55.00	\$ 935.00
20			Exhaust Fan Connection	EA	9	0%	9	0.450	\$ 60.00	\$ 27.00	\$ -	\$ 27.00	\$ 243.00
21			Simplex Receptacle	EA	1	0%	1	0.250	\$ 60.00	\$ 15.00	\$ 32.00	\$ 47.00	\$ 47.00
22			Simplex Receptacle, Ceiling Mounted	EA	6	0%	6	0.250	\$ 60.00	\$ 15.00	\$ 32.00	\$ 47.00	\$ 282.00
23			Thermostat, HONEYWALL T4 SERIES	EA	20	0%	20	0.650	\$ 60.00	\$ 39.00	\$ 65.53	\$ 104.53	\$ 2,090.66
24			208/230V Equipment Connection	EA	1	0%	1	0.450	\$ 60.00	\$ 27.00	\$ -	\$ 27.00	\$ 27.00
LIGHTING													
CONDUIT													
25			3/4" EMT Conduit	LF	2834	10%	3118	0.062	\$ 60.00	\$ 3.72	\$ 2.03	\$ 5.75	\$ 17,927.26
CONDUCTOR													
26			#12 CU THHN/THWN	LF	5927	10%	6520	0.007	\$ 60.00	\$ 0.42	\$ 0.25	\$ 0.67	\$ 4,368.56
27			#10 CU THHN/THWN	LF	2576	10%	2833	0.008	\$ 60.00	\$ 0.48	\$ 0.38	\$ 0.86	\$ 2,436.48
LIGHTING FIXTURES													
28			A: 2'x4' Panel Fixture, LITHONIA EPANL LED 2X4 4800LM 80CRI 35K MIN10 Watts: 45W	EA	14	0%	14	1.100	\$ 60.00	\$ 66.00	\$ 192.03	\$ 258.03	\$ 3,612.42

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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	
29	M101, E101.1 & E101.2		B: 2'x4' Panel Fixture, LITHONIA EPANL LED 2X4 6000LM 80CRI 35K MIN10 Watts: 50W	EA	47	0%	47	1.230	\$ 60.00	\$ 73.80	\$ 500.58	\$ 574.38	\$ 26,995.86	
30			C: 2'x4' Panel Fixture, LITHONIA EPANL LED 2X4 7200LM 80CRI 35K MIN10 Watts: 70W	EA	29	0%	29	1.230	\$ 60.00	\$ 73.80	\$ 500.58	\$ 574.38	\$ 16,657.02	
31			D: 4' Switchable Strip, LITHONIA CSS L48 ALO3 MVOLT 35K 80CRI Watts: 36W	EA	5	0%	5	1.500	\$ 60.00	\$ 90.00	\$ 84.65	\$ 174.65	\$ 873.25	
32			E: Integrated Exit / Emergency, LHQM LED--R	EA	11	0%	11	0.850	\$ 60.00	\$ 51.00	\$ 125.20	\$ 176.20	\$ 1,938.20	
33			F: 13" Emergency Light, LITHONIA ELM4L	EA	6	0%	6	0.880	\$ 60.00	\$ 52.80	\$ 129.95	\$ 182.75	\$ 1,096.50	
34			G: 8" Dia Downlight, LITHONIA WF8-LED-27/30/35K-MVOLT-90CRI-MW Watts: 20W	EA	30	0%	30	0.600	\$ 60.00	\$ 36.00	\$ 58.54	\$ 94.54	\$ 2,836.20	
35			H: (1 EA) Strip LED Tape With Power Supply, OMNI GEN2WL - 35 - HO	LF	43	0%	43	1.100	\$ 60.00	\$ 66.00	\$ 74.25	\$ 140.25	\$ 6,034.96	
36			I: 11" x 8" Wall Pack With Photocell, LITHONIA WPX1 LED P2 30K MVOLT PE Watts: 24W	EA	1	0%	1	1.200	\$ 60.00	\$ 72.00	\$ 197.53	\$ 269.53	\$ 269.53	
37			J: 11" x 8" Wall Pack With Photocell, LITHONIA WPX2 LED 30K MVOLT PE Watts: 47W	EA	8	0%	8	1.200	\$ 60.00	\$ 72.00	\$ 197.53	\$ 269.53	\$ 2,156.24	
38			K: 8" Dia Downlight With Photocell, LITHONIA WF8-LED-27/30/35K-MVOLT-90CRI-MW Watts: 20W	EA	6	0%	6	0.850	\$ 60.00	\$ 51.00	\$ 252.77	\$ 303.77	\$ 1,822.62	
39			Schedule Not Given 22" Under Cabinet Light Fixture	EA	18	0%	18	0.800	\$ 60.00	\$ 48.00	\$ 78.76	\$ 126.76	\$ 2,281.68	
				LIGHTING CONTROL										
40			Assumed	Occupancy Sensor, Ceiling Mounted	EA	3	0%	3	0.660	\$ 60.00	\$ 39.60	\$ 54.49	\$ 94.09	\$ 282.27
41				Single Pole Switch, SENSORSWITCH SPODM SERIES, Heavy Duty, 0-10V Dimming	EA	6	0%	6	0.320	\$ 60.00	\$ 19.20	\$ 23.00	\$ 42.20	\$ 253.20
42			Toggle Light Switch, Wall Mounted	EA	2	0%	2	0.350	\$ 60.00	\$ 21.00	\$ 23.99	\$ 44.99	\$ 89.98	
43			Occupancy Sensor Switch, SENSORSWITCH WSX D SERIES, Heavy Duty	EA	47	0%	47	0.844	\$ 60.00	\$ 50.64	\$ 137.15	\$ 187.79	\$ 8,826.13	
											SUBTOTAL	\$ 164,459		

COMMUNICATIONS

TELECOMMUNICATION													
			CONDUIT										
44			3/4" EMT Conduit Up To Ceiling	LF	945	10%	1040	0.062	\$ 60.00	\$ 3.72	\$ 2.03	\$ 5.75	\$ 5,977.13
			CONDUCTOR										
45			CAT6 Cable	LF	10543	10%	11597	0.012	\$ 60.00	\$ 0.72	\$ 0.42	\$ 1.14	\$ 13,220.55
			J-HOOKS										
46			2" J-Hooks	EA	85	0%	85	0.080	\$ 60.00	\$ 4.80	\$ 1.52	\$ 6.32	\$ 537.20
			DEVICES										
47			Phone/Data Outlet	EA	63	0%	63	0.320	\$ 60.00	\$ 19.20	\$ 20.50	\$ 39.70	\$ 2,501.10
			RJ-45 Connectors	EA	126	0%	126	0.053	\$ 60.00	\$ 3.15	\$ 1.00	\$ 4.15	\$ 522.90
			Faceplate	EA	63	0%	63	0.150	\$ 60.00	\$ 9.00	\$ 15.50	\$ 24.50	\$ 1,543.50
			Back Box	EA	63	0%	63	0.188	\$ 60.00	\$ 11.25	\$ 28.90	\$ 40.15	\$ 2,529.45
48			Wi-Fi Access Point, Ceiling Mounted	EA	6	0%	6	1.355	\$ 60.00	\$ 81.30	\$ 273.00	\$ 354.30	\$ 2,125.80
			SECURITY										
			CONDUIT										
49			3/4" EMT Conduit Up To Ceiling	LF	48	10%	53	0.062	\$ 60.00	\$ 3.72	\$ 2.03	\$ 5.75	\$ 305.12

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			CONDUCTOR										
50			Multi-Conductor Composite Cable	LF	369	10%	406	0.015	\$ 60.00	\$ 0.90	\$ 0.77	\$ 1.67	\$ 677.76
51			#18 CU THHN/THWN	LF	96	10%	106	0.005	\$ 60.00	\$ 0.30	\$ 0.09	\$ 0.39	\$ 41.39
			DEVICES										
52			Security Badge/Card Reader	EA	6	0%	6	1.720	\$ 60.00	\$ 103.20	\$ 222.55	\$ 325.75	\$ 1,954.50
												SUBTOTAL \$	31,936

UTILITIES

			SITE LIGHTING										
			CONDUIT										
53			3/4" EMT Conduit	LF	35	10%	39	0.062	\$ 60.00	\$ 3.72	\$ 2.03	\$ 5.75	\$ 223.40
54			3/4" PVC SCH 40 Conduit	LF	146	10%	160	0.055	\$ 60.00	\$ 3.30	\$ 2.18	\$ 5.48	\$ 879.00
			CONDUCTOR										
55			#10 CU THHN/THWN	LF	543	10%	598	0.008	\$ 60.00	\$ 0.48	\$ 0.38	\$ 0.86	\$ 514.08
			DEVICES										
56			LED/Illuminated Concrete Safety Bollards Electrical Connection	EA	12	0%	12	0.700	\$ 60.00	\$ 42.00	\$ -	\$ 42.00	\$ 504.00
			MISCELLANEOUS										
			TRENCHING & BACKFILLING										
57			Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	292	0%	292	0.085	\$ 60.00	\$ 5.10	\$ -	\$ 5.10	\$ 1,489.20
												SUBTOTAL \$	3,610

											PROJECTED COST		\$254,975
OVERHEAD AND PROFIT												15%	\$38,246
INSURANCE												3%	\$7,649
CONTINGENCY												5%	\$12,749
TAX												7%	\$7,718
												SUGGESTED BID	\$321,337

DETAILED BREAKDOWN OF ITEMS

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
GENERAL REQUIREMENTS							
1			Permits	LS	1	0%	1
2			Supervision and Coordination	LS	1	0%	1
3			Submittals and Shop drawings	LS	1	0%	1
4			Final Cleaning	LS	1	0%	1
5			Mobilization Costs	LS	1	0%	1
6			Temporary Control & Facilities	LS	1	0%	1
7			Scaffolding	LS	1	0%	1
EXISTING CONDITIONS							
DEMOLITION							
8			All Existing Electrical & Telecommunication Devices To Be Removed With Associated Wiring & Conduit Back To Source In This Area	SF	6947	0%	6947
9			All Existing Lighting Fixtures & Switches To Be Removed With Associated Wiring & Conduit Back To Source In This Area	SF	6947	0%	6947
RELOCATION							
10			Existing Light Bollards Electrical Connection To Be Relocated With As	EA	2	0%	2
ELECTRICAL							
POWER							
CONDUIT							
11			3/4" EMT Conduit per 25' Coil	EA	355	10%	390
12			1" EMT Conduit per 100' Coil	EA	1	10%	1
CONDUCTOR							
13			#6 CU THHN/THWN per 100' Roll	EA	2	10%	2
14			#10 CU THHN/THWN per 100' Roll	EA	26	10%	29
15			#12 CU THHN/THWN per 100' Roll	EA	231	10%	254
16			#18 CU THHN/THWN per 100' Roll	EA	6	10%	7
DEVICE							
17			Duplex Receptacle	EA	165	0%	165
18			Duplex Receptacle, Dedicated	EA	7	0%	7
19			Duplex Receptacle, GFI	EA	17	0%	17
20			Exhaust Fan Connection	EA	9	0%	9
21			Simplex Receptacle	EA	1	0%	1
22			Simplex Receptacle, Ceiling Mounted	EA	6	0%	6
23			Thermostat, HONEYWALL T4 SERIES	EA	20	0%	20
24			208/230V Equipment Connection	EA	1	0%	1
LIGHTING							
LIGHTING FIXTURES							
25			A: 2x4' Panel Fixture, LITHONIA EPANL LED 2X4 4800LM 80CRI 35K MIN10 Watts: 45W	EA	14	0%	14
26			B: 2x4' Panel Fixture, LITHONIA EPANL LED 2X4 6000LM 80CRI 35K MIN10 Watts: 50W	EA	47	0%	47
27			C: 2x4' Panel Fixture, LITHONIA EPANL LED 2X4 7200LM 80CRI 35K MIN10 Watts: 70W	EA	29	0%	29
28			D: 4' Switchable Strip, LITHONIA CSS L48 ALO3 MVOLT 35K 80CRI Watts: 36W	EA	5	0%	5
29			E: Integrated Exit / Emergency, LHQM LED--R	EA	11	0%	11
30			F: 13" Emergency Light, LITHONIA ELM4L	EA	6	0%	6
31			G: 8" Dia Downlight, LITHONIA WF8-LED-27/30/35K-MVOLT-90CRI-MW Watts: 20W	EA	30	0%	30
32			H: (1 EA) Strip LED Tape With Power Supply, OMNI GEN2WL - 35 - HO	LF	43	0%	43
33			I: 11" x 8" Wall Pack With Photocell, LITHONIA WPX1 LED P2 30K MVOLT PE Watts: 24W	EA	1	0%	1
34			J: 11" x 8" Wall Pack With Photocell, LITHONIA WPX2 LED 30K MVOLT PE Watts: 47W	EA	8	0%	8

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
35			K: 8" Dia Downlight With Photocell, LITHONIA WF8-LED-27/30/35K-MVOLT-90CRI-MW Watts: 20W	EA	6	0%	6
36			22" Under Cabinet Light Fixture	EA	18	0%	18
			LIGHTING CONTROL				
37			Occupancy Sensor, Ceiling Mounted	EA	3	0%	3
38			Single Pole Switch, SENSORSWITCH SPODM SERIES, Heavy Duty, 0-10V Dimming	EA	6	0%	6
39			Toggle Light Switch, Wall Mounted	EA	2	0%	2
40			Occupancy Sensor Switch, SENSORSWITCH WSX D SERIES, Heavy Duty	EA	47	0%	47
COMMUNICATIONS							
TELECOMMUNICATION							
			CONDUIT				
41			3/4" EMT Conduit Up To Ceiling per 25' Coil	EA	38	10%	42
			CONDUCTOR				
42			CAT6 Cable per 100' Roll	EA	106	10%	117
			J-HOOKS				
43			2" J-Hooks	EA	85	0%	85
			DEVICES				
44			Phone/Data Outlet	EA	63	0%	63
45			RJ-45 Connectors	EA	126	0%	126
46			Faceplate	EA	63	0%	63
47			Back Box	EA	63	0%	63
48			Wi-Fi Access Point, Ceiling Mounted	EA	6	0%	6
			SECURITY				
			CONDUIT				
49			3/4" EMT Conduit Up To Ceiling per 25' Coil	EA	2	10%	2
			CONDUCTOR				
50			Multi-Conductor Composite Cable per 100' Roll	EA	4	10%	4
51			#18 CU THHN/THWN per 100' Roll	EA	1	10%	1
			DEVICES				
52			Security Badge/Card Reader	EA	6	0%	6
UTILITIES							
SITE LIGHTING							
			CONDUIT				
53			3/4" EMT Conduit per 25' Coil	EA	2	10%	2
54			3/4" PVC SCH 40 Conduit per 10' Coil	EA	15	10%	17
			CONDUCTOR				
55			#10 CU THHN/THWN per 100' Coil	EA	6	10%	7
			DEVICES				
56			LED/Illuminated Concrete Safety Bollards Electrical Connection	EA	12	0%	12
			MISCELLANEOUS				
			TRENCHING & BACKFILLING				
57			Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	292	0%	292