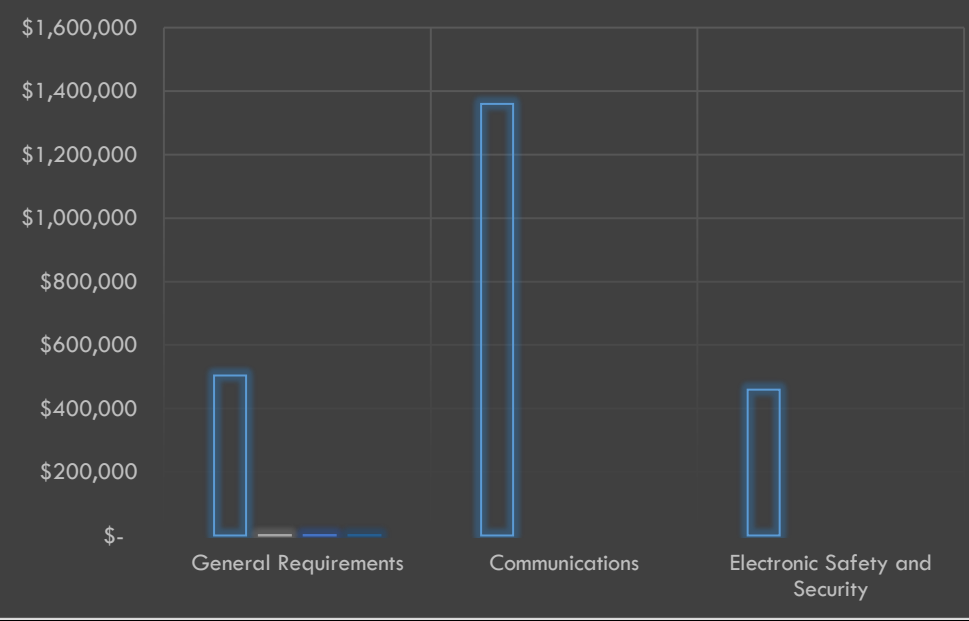


GENERAL SUMMARY

Prepared for: New York Center For Research, Economic Advancement, Technology, Engineering And Science
Project ID: 26032024
Scope: Low Voltage
No. Of Floors: 4
Date: 08/05/24



BUILDING GSF		318,901
DIVISION NO	DESCRIPTION	TOTAL DIV. COST
1000	General Requirements	\$ 504,000
27000	Communications	\$ 1,360,106
28000	Electronic Safety and Security	\$ 459,804
TOTAL TRADE COST		\$ 2,323,911
OVERHEAD AND PROFIT	20%	\$ 464,782
INSURANCE	3%	\$ 69,717
CONTINGENCY	5%	\$ 116,196
SUB CONTRACTOR FEE	10%	\$ 232,391
TAX	9%	\$ 81,941
SUGGESTED BID		\$ 3,288,938

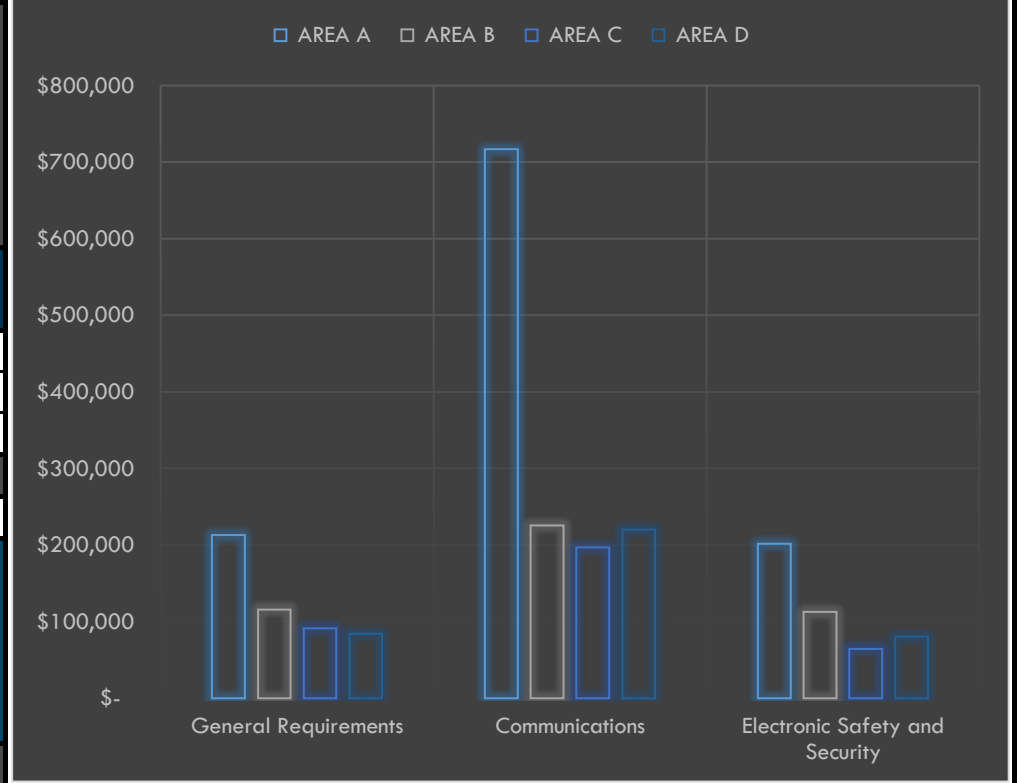


GENERAL SUMMARY

Prepared for: New York Center For Research, Economic Advancement, Technology, Engineering And Science
Project ID: 26032024
Scope: Low Voltage
No. Of Floors: 4
Date: 08/05/24



BUILDING GSF	318,901				
Area A (SF)	82,395				
Area B (SF)	73,494				
Area C (SF)	72,396				
Area D (SF)	90,616				
		AREA A	AREA B	AREA C	AREA D
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST	TOTAL DIV. COST	TOTAL DIV. COST
1000	General Requirements	\$ 213,000	\$ 115,500	\$ 91,500	\$ 84,000
27000	Communications	\$ 716,769	\$ 225,844	\$ 197,043	\$ 220,451
28000	Electronic Safety and Security	\$ 201,660	\$ 112,885	\$ 64,667	\$ 80,593
TOTAL TRADE COST		\$ 1,131,429	\$ 454,229	\$ 353,210	\$ 385,043
OVERHEAD AND PROFIT	20%	\$ 226,286	\$ 90,846	\$ 70,642	\$ 77,009
INSURANCE	3%	\$ 33,943	\$ 13,627	\$ 10,596	\$ 11,551
CONTINGENCY	5%	\$ 56,571	\$ 22,711	\$ 17,660	\$ 19,252
SUB CONTRACTOR FEE	10%	\$ 113,143	\$ 45,423	\$ 35,321	\$ 38,504
TAX	9%	\$ 44,927	\$ 14,952	\$ 10,126	\$ 11,935
SUGGESTED BID		\$ 1,606,299	\$ 641,788	\$ 497,556	\$ 543,295



DETAILED BREAKDOWN OF ITEMS

Prepared for: **New York Center For Research, Economic Advancement, Technology, Engineering And Science**
 Project ID: **26032024**
 Scope: **Low Voltage**



Date: 08/05/24

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	\$ -	\$ -	\$ -	\$ 30,000.00	\$ 30,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 15,000.00	\$ 15,000.00
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 8,000.00	\$ 8,000.00
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 30,000.00	\$ 30,000.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 12,000.00	\$ 12,000.00
7			Testing and Commissioning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 28,000.00	\$ 28,000.00
8			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00
9			Sub Contractors Margin	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 85,000.00	\$ 85,000.00
												SUBTOTAL	\$ 213,000

COMMUNICATION													
TELECOMMUNICATION													
CONDUIT													
10			2" EMT Conduit	LF	653	10%	719	0.125	\$ 92.00	\$ 11.50	\$ 8.86	\$ 20.36	\$ 14,632.65
11			3/4" EMT Conduit Upto Ceiling	LF	150	10%	165	0.078	\$ 92.00	\$ 7.13	\$ 2.08	\$ 9.21	\$ 1,519.65
CONDUCTOR													
12			CAT6A Cable	LF	3964	10%	4360	0.023	\$ 92.00	\$ 2.07	\$ 0.28	\$ 2.35	\$ 10,246.19
13			Length Assumed 1-6 Strand Singlemode Fiber Cable	LF	30	10%	33	0.033	\$ 92.00	\$ 2.99	\$ 0.70	\$ 3.69	\$ 121.77
14			1-12 Strand Multimode Fiber Cable	LF	202	10%	223	0.038	\$ 92.00	\$ 3.45	\$ 0.95	\$ 4.40	\$ 979.52
15			1-24 Strand Multimode Fiber Cable	LF	179	10%	197	0.044	\$ 92.00	\$ 4.03	\$ 3.90	\$ 7.93	\$ 1,562.26
16			1-24 Strand Singlemode Fiber Cable	LF	202	10%	223	0.044	\$ 92.00	\$ 4.03	\$ 1.75	\$ 5.78	\$ 1,285.62
17			1-48 Strand Singlemode Fiber Cable	LF	179	10%	197	0.053	\$ 92.00	\$ 4.83	\$ 1.24	\$ 6.07	\$ 1,196.59
18			Length Assumed 2-12 Strand Multimode FMCS Fiber Cable	LF	30	10%	33	0.044	\$ 92.00	\$ 4.03	\$ 3.65	\$ 7.68	\$ 253.28
19			2-48 Strand Singlemode Fiber Cable	LF	30	10%	33	0.050	\$ 92.00	\$ 4.60	\$ 1.65	\$ 6.25	\$ 206.25
20			2-144 Strand Singlemode Fiber Cable	LF	30	10%	33	0.093	\$ 92.00	\$ 8.51	\$ 10.20	\$ 18.71	\$ 617.43
CABLE TRAY													
21			4" x 4" Wire Basket Cable Tray	LF	12	10%	13	0.150	\$ 92.00	\$ 13.80	\$ 16.85	\$ 30.65	\$ 393.79
22			4" x 8" Wire Basket Cable Tray	LF	846	10%	931	0.234	\$ 92.00	\$ 21.51	\$ 13.50	\$ 35.01	\$ 32,592.98
23			4" x 18" Wire Basket Cable Tray	LF	100	10%	110	0.294	\$ 92.00	\$ 27.03	\$ 26.85	\$ 53.88	\$ 5,928.03
24			2" x 6" Wire Basket Cable Tray	LF	54	10%	59	0.119	\$ 92.00	\$ 10.93	\$ 16.62	\$ 27.55	\$ 1,628.30
			4" x 8" / 2" x 6" Wire Mesh Cable Tray Reducer Tee	EA	1	0%	1	0.375	\$ 92.00	\$ 34.50	\$ 25.50	\$ 60.00	\$ 60.00
			2" x 6" Wire Mesh Cable Tray Elbow	EA	1	0%	1	0.313	\$ 92.00	\$ 28.75	\$ 22.50	\$ 51.25	\$ 51.25
			4" x 8" Wire Mesh Cable Tray Elbow	EA	13	0%	13	0.375	\$ 92.00	\$ 34.50	\$ 20.14	\$ 54.64	\$ 710.32
			4" x 8" Wire Mesh Cable Tray Tee	EA	4	0%	4	0.500	\$ 92.00	\$ 46.00	\$ 30.50	\$ 76.50	\$ 306.00
DEVICES													
25			2 Port Tele/Data Outlet	EA	3	0%	3	0.200	\$ 92.00	\$ 18.40	\$ 8.50	\$ 26.90	\$ 80.70
			2 Port Faceplate	EA	3	0%	3	0.100	\$ 92.00	\$ 9.20	\$ 3.50	\$ 12.70	\$ 38.10
			8P8C-568B Modular Jack	EA	12	0%	12	0.063	\$ 92.00	\$ 5.75	\$ 1.35	\$ 7.10	\$ 85.20
			Backbox	EA	3	0%	3	0.313	\$ 92.00	\$ 28.75	\$ 21.94	\$ 50.69	\$ 152.07
26			2 Port Telephone Outlet	EA	7	0%	7	0.200	\$ 92.00	\$ 18.40	\$ 8.50	\$ 26.90	\$ 188.30
			2 Port Faceplate	EA	7	0%	7	0.100	\$ 92.00	\$ 9.20	\$ 3.50	\$ 12.70	\$ 88.90
			8P8C-568B Modular Jack	EA	14	0%	14	0.063	\$ 92.00	\$ 5.75	\$ 1.35	\$ 7.10	\$ 99.40
			Backbox	EA	7	0%	7	0.313	\$ 92.00	\$ 28.75	\$ 21.94	\$ 50.69	\$ 354.83
27			24 Port Consolidation Point	EA	4	0%	4	1.250	\$ 92.00	\$ 115.00	\$ 265.00	\$ 380.00	\$ 1,520.00
28			Data Center Rack	EA	1	0%	1	2.813	\$ 92.00	\$ 258.75	\$ 1,910.00	\$ 2,168.75	\$ 2,168.75
29			IDF, Floor Mounted	EA	1	0%	1	2.063	\$ 92.00	\$ 189.75	\$ 1,350.00	\$ 1,539.75	\$ 1,539.75
			2 Racks	EA	1	0%	1	1.250	\$ 92.00	\$ 115.00	\$ 300.00	\$ 415.00	\$ 415.00
30			Network Rack, Floor Mounted	EA	4	0%	4	3.125	\$ 92.00	\$ 287.50	\$ 1,465.31	\$ 1,752.81	\$ 7,011.24
31			Security Command Center	EA	1	0%	1	0.000	\$ 92.00	\$ -	\$ -	\$ -	\$ -
32			Wireless Access Point	EA	27	0%	27	1.813	\$ 92.00	\$ 166.75	\$ 420.00	\$ 586.75	\$ 15,842.25
			Double Gang Backbox	EA	27	0%	27	0.400	\$ 92.00	\$ 36.80	\$ 22.50	\$ 59.30	\$ 1,601.10
SECURITY													
CONDUIT													
33			3/4" EMT Conduit	LF	3647	10%	4012	0.078	\$ 92.00	\$ 7.13	\$ 2.08	\$ 9.21	\$ 36,947.76
34			1" EMT Conduit	LF	18023	10%	19825	0.088	\$ 92.00	\$ 8.05	\$ 3.54	\$ 11.59	\$ 229,775.23
35			3/4" RGS Conduit	LF	20	10%	22	0.085	\$ 92.00	\$ 7.82	\$ 3.39	\$ 11.21	\$ 246.62
36			1" RGS Conduit	LF	21	10%	23	0.095	\$ 92.00	\$ 8.74	\$ 5.42	\$ 14.16	\$ 327.10
37			1/2" Flexible Conduit	LF	38	10%	42	0.075	\$ 92.00	\$ 6.90	\$ 0.82	\$ 7.72	\$ 322.70
38			1/2" Flexible Conduit Watertight	LF	18	10%	20	0.075	\$ 92.00	\$ 6.90	\$ 0.88	\$ 7.78	\$ 154.04
CONDUCTOR													
39			CAT6 Cable	LF	18044	10%	19848	0.023	\$ 92.00	\$ 2.07	\$ 0.28	\$ 2.35	\$ 46,643.74
40			Multi Conductor Composite Cable	LF	11409	10%	12550	0.025	\$ 92.00	\$ 2.30	\$ 0.85	\$ 3.15	\$ 39,532.19
41			#18 CU THHN/THWN	LF	7314	10%	8045	0.006	\$ 92.00	\$ 0.58	\$ 0.20	\$ 0.78	\$ 6,235.19
DEVICES													
42			Card Reader	EA	47	0%	47	1.250	\$ 92.00	\$ 115.00	\$ 285.00	\$ 400.00	\$ 18,800.00
43			Door Contact Switch	EA	73	0%	73	0.500	\$ 92.00	\$ 46.00	\$ 14.29	\$ 60.29	\$ 4,401.17
44			Request To Exit Switch	EA	60	0%	60	1.563	\$ 92.00	\$ 143.75	\$ 210.41	\$ 354.16	\$ 21,249.60
45			Explosion Proof Fixed Security Camera, Wall Mounted	EA	22	0%	22	1.875	\$ 92.00	\$ 172.50	\$ 5,250.00	\$ 5,422.50	\$ 119,295.00
46			Explosion Proof Security Camera, Pendant Mounted	EA	2	0%	2	1.875	\$ 92.00	\$ 172.50	\$ 3,350.00	\$ 3,522.50	\$ 7,045.00
47			Explosion Proof Security Camera, Wall Mounted	EA	9	0%	9	1.875	\$ 92.00	\$ 172.50	\$ 5,250.00	\$ 5,422.50	\$ 48,802.50
48			Exterior Security Camera, Wall Mounted, WP	EA	7	0%	7	1.563	\$ 92.00	\$ 143.75	\$ 320.00	\$ 463.75	\$ 3,246.25
			CAT6 Jumper Patch Cable	EA	7	0%	7	0.125	\$ 92.00	\$ 11.50	\$ 2.50	\$ 14.00	\$ 98.00
			Female - Female Ethernet CAT6 POE Surge Protector, EMERSON P/	EA	7	0%	7	0.100	\$ 92.00	\$ 9.20	\$ 86.95	\$ 96.15	\$ 673.05
49			Fixed Security Camera, Wall Mounted	EA	10	0%	10	1.563	\$ 92.00	\$ 143.75	\$ 210.00	\$ 353.75	\$ 3,537.50
50			Security Camera, Column Mounted	EA	7	0%	7	3.125	\$ 92.00	\$ 287.50	\$ 562.85	\$ 850.35	\$ 5,952.45
51			Security Camera, Tray Mounted	EA	2	0%	2	2.313	\$ 92.00	\$ 212.75	\$ 365.00	\$ 577.75	\$ 1,155.50
52			Security Camera, Wall Mounted	EA	18	0%	18	1.563	\$ 92.00	\$ 143.75	\$ 210.00	\$ 353.75	\$ 6,367.50
53			Security Alarm Control Panel With Clearance	EA	3	0%	3	4.375	\$ 92.00	\$ 402.50	\$ 495.00	\$ 897.50	\$ 2,692.50
MISCELLANEOUS													
54			2" 3-Cell Maxcell Sleeve	EA	2	0%	2	0.125	\$ 92.00	\$ 11.50	\$ 4.20	\$ 15.70	\$ 31.40
54			6"x6"x4" Cast Metal Surface Mounted Box	EA	2	0%	2	0.625	\$ 92.00	\$ 57.50	\$ 28.50	\$ 86.00	\$ 172.00
55			6"x6"x6" Telecom Outlet Box	EA	68	0%	68	0.625	\$ 92.00	\$ 57.50	\$ 37.14	\$ 94.64	\$ 6,435.52
56			6"x6"x6" Telecom Outlet Box, WP	EA	7	0%	7	0.625	\$ 92.00	\$ 57.50	\$ 42.50	\$ 100.00	\$ 700.00
57			4" Sq. Pull Box, WP	EA	7	0%	7	0.500	\$ 92.00	\$ 46.00	\$ 18.51	\$ 64.51	\$ 451.57
												SUBTOTAL	\$ 716,769

ELECTRONIC SAFETY AND SECURITY													
FIRE ALARM													
CONDUIT													
58			3/4" EMT Conduit	LF	5215	10%	5736	0.078	\$ 92.00	\$ 7.13	\$ 2.08	\$ 9.21	\$ 52,830.94
CONDUCTOR													
59			#16 CU THHN/THWN	LF	2201	10%	2421	0.006	\$ 92.00	\$ 0.58	\$ 0.13	\$ 0.71	\$ 1,706.64
60			#14 CU THHN/THWN	LF	7968	10%	8765	0.008	\$ 92.00	\$ 0.71	\$ 0.15	\$ 0.86	\$ 7,548.46
61			#12 CU THHN/THWN	LF	392	10%	431	0.009	\$ 92.00	\$ 0.84	\$ 0.24	\$ 1.07	\$ 462.76
DEVICES													
62			Fire Alarm Battery Cabinet	EA	1	0%	1	0.898	\$ 92.00	\$ 82.57	\$ 520.00	\$ 602.57	\$ 602.57
63			Fire Alarm Amplifier Panel	EA	1	0%	1	7.031	\$ 92.00	\$ 646.88	\$ 2,765.00	\$ 3,411.88	\$ 3,411.88
64			Fire Alarm Bell Weatherproof	EA	1	0%	1	0.485	\$ 92.00	\$ 44.62	\$ 107.99	\$ 152.61	\$ 152.61
65			Fire Alarm Horn/Strobe, 110CD	EA	1	0%	1	0.545	\$ 92.00	\$ 50.14	\$ 199.99	\$ 250.13	\$ 250.13
66			Fire Alarm Horn/Strobe, 75CD, Weather Proof	EA	5	0%	5	0.525	\$ 92.00	\$ 48.30	\$ 165.00	\$ 213.30	\$ 1,066.50
67													

DETAILED BREAKDOWN OF ITEMS

Prepared for: New York Center For Research, Economic Advancement, Technology, Engineering And Science
 Project ID: 26032024
 Scope: Low Voltage



Date: 08/05/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOURL	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
68	FA-1101A, FA-1102A, FA-1103A, FA-1104A, FA-1105A, FA-1201A, FA-1202A, FA-1203A & FA-1503A		Fire Alarm Speaker Strobe, Ceiling Mounted, 75CD	EA	4	0%	4	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 1,030.08	
69			Fire Alarm Speaker, Explosion Proof, SPHH-DVSMR	EA	23	0%	23	0.673	\$ 92.00	\$ 61.87	\$ 562.00	\$ 623.87	\$ 14,349.01	
70			Fire Alarm Speaker/Strobe, 110CD	EA	2	0%	2	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 515.04	
71			Fire Alarm Speaker/Strobe, 15CD	EA	23	0%	23	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 5,922.96	
72			Fire Alarm Speaker/Strobe, 30CD	EA	13	0%	13	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 3,347.76	
73			Fire Alarm Speaker/Strobe, 75CD	EA	5	0%	5	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 1,287.60	
74			Fire Alarm Strobe, 15CD	EA	16	0%	16	0.525	\$ 92.00	\$ 48.30	\$ 169.47	\$ 217.77	\$ 3,484.32	
75			Fire Alarm Strobe, 30CD	EA	20	0%	20	0.525	\$ 92.00	\$ 48.30	\$ 169.47	\$ 217.77	\$ 4,355.40	
76			Fire Alarm Strobe, 30CD, Explosion Proof, CPG Model LSEX	EA	16	0%	16	0.560	\$ 92.00	\$ 51.52	\$ 2,344.00	\$ 2,395.52	\$ 38,328.32	
77			Fire Alarm Strobe, 75CD	EA	12	0%	12	0.525	\$ 92.00	\$ 48.30	\$ 169.47	\$ 217.77	\$ 2,613.24	
78			Fire Alarm Strobe, 75CD, Explosion Proof, CPG Model LSEX	EA	9	0%	9	0.560	\$ 92.00	\$ 51.52	\$ 2,650.00	\$ 2,701.52	\$ 24,313.68	
79			Fire Alarm Strobe, Ceiling Mounted, 75CD, Explosion Proof, CPG M	EA	2	0%	2	0.560	\$ 92.00	\$ 51.52	\$ 2,650.00	\$ 2,701.52	\$ 5,403.04	
80			Fire Alarm Strobe,15CD, Explosion Proof, CPG Model LSEX	EA	3	0%	3	0.560	\$ 92.00	\$ 51.52	\$ 1,900.00	\$ 1,951.52	\$ 5,854.56	
81			Flow Switch	EA	9	0%	9	0.781	\$ 92.00	\$ 71.88	\$ 224.50	\$ 296.38	\$ 2,667.38	
82			Heat Detector	EA	6	0%	6	0.523	\$ 92.00	\$ 48.07	\$ 200.00	\$ 248.07	\$ 1,488.42	
83			Horn Assembly	EA	20	0%	20	0.438	\$ 92.00	\$ 40.25	\$ 57.89	\$ 98.14	\$ 1,962.80	
84			Manual Pull Station	EA	3	0%	3	0.499	\$ 92.00	\$ 45.89	\$ 90.00	\$ 135.89	\$ 407.66	
85			Manual Pull Station, Explosion Proof	EA	6	0%	6	0.533	\$ 92.00	\$ 48.99	\$ 647.82	\$ 696.81	\$ 4,180.86	
86			Monitor Module	EA	9	0%	9	0.716	\$ 92.00	\$ 65.90	\$ 185.00	\$ 250.90	\$ 2,258.06	
87			Photoelectric Smoke Detector	EA	23	0%	23	0.473	\$ 92.00	\$ 43.47	\$ 60.00	\$ 103.47	\$ 2,379.81	
88			Smoke Detection Test Port	EA	1	0%	1	0.619	\$ 92.00	\$ 56.93	\$ 119.95	\$ 176.88	\$ 176.88	
89			Smoke Detector Sample Tubing	LF	32	0%	32	0.056	\$ 92.00	\$ 5.18	\$ 6.85	\$ 12.03	\$ 379.39	
90			Tamper Switch	EA	9	0%	9	0.540	\$ 92.00	\$ 49.68	\$ 159.95	\$ 209.63	\$ 1,886.67	
91			TGMS, Toxic Gas Monitoring Control Panel	EA	1	0%	1	1.731	\$ 92.00	\$159.28	\$ 1,900.79	\$ 2,060.07	\$ 2,060.07	
				MISCELLANEOUS										
92				4" Octagon Outlet Box	EA	23	0%	23	0.611	\$ 92.00	\$ 56.24	\$ 28.31	\$ 84.55	\$ 1,944.54
												SUBTOTAL	\$ 201,660	

												PROJECTED COST	\$1,131,429
OVERHEAD AND PROFIT												20%	\$226,286
INSURANCE												3%	\$33,943
CONTINGENCY												5%	\$56,571
SUB CONTRACTOR FEE												10%	\$113,143
TAX												9%	\$44,927
												SUGGESTED BID	\$1,606,299

Notes:
 1. Online sources are used for pricing.
 2. Prices can vary depending upon field conditions.

DETAILED BREAKDOWN OF ITEMS

Prepared for: **New York Center For Research, Economic Advancement, Technology, Engineering And Science**
 Project ID: **26032024**
 Scope: **Low Voltage**



Date: **08/05/24**

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	\$ -	\$ -	\$ -	\$ 18,000.00	\$18,000.00	
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 8,000.00	\$ 8,000.00	
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00	
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 15,000.00	\$15,000.00	
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 6,000.00	\$ 6,000.00	
7			Testing and Commissioning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 12,000.00	\$ 12,000.00	
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 500.00	\$ 500.00	
8			Sub Contractors Margin	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 55,000.00	\$ 55,000.00	
												SUBTOTAL	\$ 115,500	
COMMUNICATION														
TELECOMMUNICATION														
CONDUIT														
8			3/4" EMT Conduit Up to Ceiling	LF	45	10%	50	0.078	\$ 92.00	\$ 7.13	\$ 2.08	\$ 9.21	\$ 455.90	
9			2" EMT Conduit	LF	91	10%	100	0.125	\$ 92.00	\$ 11.50	\$ 8.86	\$ 20.36	\$ 2,034.90	
10			2" PVC SCH 80 Conduit With Pullstring	LF	498	10%	548	0.165	\$ 92.00	\$ 15.18	\$ 5.25	\$ 20.43	\$11,188.63	
11			4" PVC SCH 80 Conduit With Pullstring	LF	138	10%	152	0.209	\$ 92.00	\$ 19.21	\$ 10.25	\$ 29.46	\$ 4,478.07	
CONDUCTOR														
12			CAT6A Cable	LF	3046	10%	3351	0.023	\$ 92.00	\$ 2.07	\$ 0.28	\$ 2.35	\$ 7,874.56	
13			1-12 Strand Multimode Fiber Cable	LF	1107	10%	1218	0.038	\$ 92.00	\$ 3.45	\$ 0.95	\$ 4.40	\$ 5,359.91	
14			1-24 Strand Singlemode Fiber Cable	LF	1107	10%	1218	0.044	\$ 92.00	\$ 4.03	\$ 1.75	\$ 5.78	\$ 7,034.89	
15			1-48 Strand Multimode Fiber Cable	LF	26	10%	29	0.053	\$ 92.00	\$ 4.83	\$ 1.85	\$ 6.68	\$ 193.55	
16			1-144 Strand Singlemode	LF	26	10%	29	0.093	\$ 92.00	\$ 8.51	\$ 6.85	\$ 15.36	\$ 445.04	
CABLE TRAY														
17			4" x 4" Wire Basket Cable Tray	LF	16	10%	18	0.150	\$ 92.00	\$ 13.80	\$ 16.85	\$ 30.65	\$ 538.09	
18			4" x 8" Ladder Cable Tray	LF	3	10%	3	0.263	\$ 92.00	\$ 24.15	\$ 18.50	\$ 42.65	\$ 124.32	
19			4" x 8" Wire Basket Cable Tray	LF	763	10%	839	0.234	\$ 92.00	\$ 21.51	\$ 13.50	\$ 35.01	\$29,375.85	
20			4" x 18" Ladder Cable Tray	LF	54	10%	59	0.334	\$ 92.00	\$ 30.71	\$ 28.50	\$ 59.21	\$ 3,510.92	
21			4" x 18" Wire Basket Cable Tray	LF	463	10%	509	0.294	\$ 92.00	\$ 27.03	\$ 26.85	\$ 53.88	\$27,445.06	
			4" x 8" Wire Mesh Cable Tray Elbow	EA	5	10%	6	0.375	\$ 92.00	\$ 34.50	\$ 20.14	\$ 54.64	\$ 300.52	
DEVICES														
22			2 Port Tele/Data Outlet	EA	2	0%	2	0.200	\$ 92.00	\$ 18.40	\$ 8.50	\$ 26.90	\$ 53.80	
			2 Port Faceplate	EA	2	0%	2	0.100	\$ 92.00	\$ 9.20	\$ 3.50	\$ 12.70	\$ 25.40	
			8P8C-568B Modular Jack	EA	8	0%	8	0.063	\$ 92.00	\$ 5.75	\$ 1.35	\$ 7.10	\$ 56.80	
23	TC-1001B, TC-1002B, TC-1003B, TC-1004B, TC-1201B, TC-1202B, TC-1301B, TC-1302B, TC-1303B, TC-1304B, TC-3001, TC-3002, TC-4001, TC-5001, TC-5003 & TC-6001, 1101B, 1102B, 1103B, 1104B, 1105B & 5002		Backbox	EA	2	0%	2	0.313	\$ 92.00	\$ 28.75	\$ 21.94	\$ 50.69	\$ 101.38	
			2 Port Telephone Outlet	EA	1	0%	1	0.200	\$ 92.00	\$ 18.40	\$ 8.50	\$ 26.90	\$ 26.90	
			2 Port Faceplate	EA	1	0%	1	0.100	\$ 92.00	\$ 9.20	\$ 3.50	\$ 12.70	\$ 12.70	
			8P8C-568B Modular Jack	EA	2	0%	2	0.063	\$ 92.00	\$ 5.75	\$ 1.35	\$ 7.10	\$ 14.20	
			Backbox	EA	1	0%	1	0.313	\$ 92.00	\$ 28.75	\$ 21.94	\$ 50.69	\$ 50.69	
24				24 Port Consolidation Point	EA	12	0%	12	1.250	\$ 92.00	\$115.00	\$ 265.00	\$ 380.00	\$ 4,560.00
25				IDF, Floor Mounted	EA	1	0%	1	2.063	\$ 92.00	\$189.75	\$ 1,350.00	\$ 1,539.75	\$ 1,539.75
				2 Racks	EA	1	0%	1	1.250	\$ 92.00	\$115.00	\$ 300.00	\$ 415.00	\$ 415.00
26				IDF, Floor Mounted	EA	1	0%	1	2.063	\$ 92.00	\$189.75	\$ 1,350.00	\$ 1,539.75	\$ 1,539.75
				3 Racks	EA	1	0%	1	1.500	\$ 92.00	\$138.00	\$ 450.00	\$ 588.00	\$ 588.00
27				MDF 6 Racks	EA	1	0%	1	2.088	\$ 92.00	\$192.05	\$ 2,500.00	\$ 2,692.05	\$ 2,692.05
28				Network Rack, Floor Mounted	EA	3	0%	3	3.125	\$ 92.00	\$287.50	\$ 1,465.31	\$ 1,752.81	\$ 5,258.43
29				Wireless Access Point	EA	24	0%	24	1.813	\$ 92.00	\$166.75	\$ 420.00	\$ 586.75	\$14,082.00
				Double Gang Backbox	EA	24	0%	24	0.400	\$ 92.00	\$ 36.80	\$ 22.50	\$ 59.30	\$ 1,423.20
SECURITY														
CONDUIT														
30			3/4" EMT Conduit	LF	254	10%	279	0.078	\$ 92.00	\$ 7.13	\$ 2.08	\$ 9.21	\$ 2,573.27	
31			1" EMT Conduit	LF	2621	10%	2883	0.089	\$ 92.00	\$ 8.17	\$ 3.54	\$ 11.71	\$33,746.69	
32			1" RGS Conduit	LF	5	10%	6	0.095	\$ 92.00	\$ 8.74	\$ 5.42	\$ 14.16	\$ 77.88	
33			1/2" Flexible Conduit	LF	21	10%	23	0.075	\$ 92.00	\$ 6.90	\$ 0.82	\$ 7.72	\$ 178.33	
CONDUCTOR														
34			CAT6 Cable	LF	2626	10%	2889	0.023	\$ 92.00	\$ 2.07	\$ 0.28	\$ 2.35	\$ 6,788.21	
35			Multi Conductor Composite Cable	LF	1857	10%	2043	0.025	\$ 92.00	\$ 2.30	\$ 0.85	\$ 3.15	\$ 6,434.51	
36			#18 CU THHN/THWN	LF	508	10%	559	0.006	\$ 92.00	\$ 0.58	\$ 0.20	\$ 0.78	\$ 433.07	
DEVICES														
37			Card Reader	EA	16	0%	16	1.250	\$ 92.00	\$115.00	\$ 285.00	\$ 400.00	\$ 6,400.00	
38			Door Contact Switch	EA	24	0%	24	0.500	\$ 92.00	\$ 46.00	\$ 15.49	\$ 61.49	\$ 1,475.76	
39			Request To Exit Switch	EA	22	0%	22	1.563	\$ 92.00	\$143.75	\$ 210.41	\$ 354.16	\$ 7,791.52	
40			Exterior Fixed Security Camera, Wall Mounted, WP	EA	2	0%	2	1.563	\$ 92.00	\$143.75	\$ 320.00	\$ 463.75	\$ 927.50	
			CAT6 Jumper Patch Cable	EA	2	0%	2	0.125	\$ 92.00	\$ 11.50	\$ 2.50	\$ 14.00	\$ 28.00	
			Female - Female Ethernet CAT6 POE Surge Protector, EMERSON P/N	EA	2	0%	2	0.100	\$ 92.00	\$ 9.20	\$ 86.95	\$ 96.15	\$ 192.30	
41			Fixed Security Camera, Wall Mounted	EA	4	0%	4	1.563	\$ 92.00	\$143.75	\$ 210.00	\$ 353.75	\$ 1,415.00	
42			Security Alarm Control Panel With Clearance	EA	11	0%	11	4.375	\$ 92.00	\$402.50	\$ 495.00	\$ 897.50	\$ 9,872.50	
43			Security Camera, Column Mounted	EA	12	0%	12	3.125	\$ 92.00	\$287.50	\$ 562.85	\$ 850.35	\$10,204.20	
44			Security Camera, Wall Mounted	EA	3	0%	3	1.563	\$ 92.00	\$143.75	\$ 210.00	\$ 353.75	\$ 1,061.25	
MISCELLANEOUS														
45			6"x6"x6" Telecom Outlet Box	EA	19	0%	19	0.625	\$ 92.00	\$ 57.50	\$ 37.14	\$ 94.64	\$ 1,798.16	
46			6"x6"x6" Telecom Outlet Box, WP	EA	2	0%	2	0.625	\$ 92.00	\$ 57.50	\$ 42.50	\$ 100.00	\$ 200.00	
47			4" Sq. Pull Box, WP	EA	2	0%	2	0.500	\$ 92.00	\$ 46.00	\$ 18.51	\$ 64.51	\$ 129.02	
SAW CUT														
48			Saw Cut & Repair Concrete Floor For Conduit Installation	LF	636	0%	636	0.023	\$ 92.00	\$ 2.07	\$ -	\$ 2.07	\$ 1,316.52	
												SUBTOTAL	\$ 225,844	
ELECTRONIC SAFETY AND SECURITY														
FIRE ALARM														
CONDUIT														
49			3/4" EMT Conduit	LF	3552	10%	3907	0.078	\$ 92.00	\$ 7.13	\$ 2.08	\$ 9.21	\$35,981.77	
CONDUCTOR														
50			Multimode Fiber Cable	LF	446	10%	491	0.053	\$ 92.00	\$ 4.83	\$ 0.65	\$ 5.48	\$ 2,690.18	
51			#16 CU THHN/THWN	LF	455	10%	501	0.006	\$ 92.00	\$ 0.58	\$ 0.13	\$ 0.71	\$ 353.01	
52			#14 CU THHN/THWN	LF	6648	10%	7313	0.008	\$ 92.00	\$ 0.71	\$ 0.15	\$ 0.86	\$ 6,298.24	
DEVICES														
53			Fire Alarm Battery Cabinet	EA	4	0%	4	0.898	\$ 92.00	\$ -	\$ 520.00	\$ 520.00	\$ 2,080.00	
54			Fire Alarm Amplifier Panel	EA	3	0%	3	7.031	\$ 92.00	\$646.88	\$ 2,765.00	\$ 3,411.88	\$10,235.63	
55			Fire Alarm Control Panel	EA	1	0%	1	10.000	\$ 92.00	\$920.00	\$ 4,250.00	\$ 5,170.00	\$ 5,170.00	
56			Fire Alarm Horn	EA	15	0%	15	0.485	\$ 92.00	\$ 44.62	\$ 107.99	\$ 152.61	\$ 2,289.15	
57			Fire Alarm Speaker Strobe, Ceiling Mounted, 30CD	EA	4	0%	4	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 1,030.08	
58			Fire Alarm Speaker/Strobe, 15CD	EA	15	0%	15	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 3,862.80	
59			Fire Alarm Speaker/Strobe, 30CD	EA	2	0%	2	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 515.04	
60			Fire Alarm Speaker/Strobe, 75CD	EA	13	0%	13	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 3,347.76	
61			Fire Alarm Speaker/Strobe, Ceiling Mounted, 75CD	EA	12	0%	12	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 3,090.24	
62			Fire Alarm Strobe, 15CD	EA	2	0%	2	0.525	\$ 92.00	\$ 48.30	\$ 169.47	\$ 217.77	\$ 435.54	
63			Fire Alarm Strobe, 30CD	EA	35	0%	35	0.525	\$ 92.00	\$ 48.30	\$ 169.47	\$ 217.77	\$ 7,621.95	
64			Inter Connect TGMS, Toxic Gas Monitoring Control Panel	EA	4	0%	4	0.985	\$ 92.00	\$ 90.62	\$ 1,900.79	\$ 1,991.41	\$ 7,965.64	

DETAILED BREAKDOWN OF ITEMS

Prepared for: New York Center For Research, Economic Advancement, Technology, Engineering And Science
 Project ID: 26032024
 Scope: Low Voltage



Date: 08/05/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
65			Manual Pull Station	EA	2	0%	2	0.499	\$ 92.00	\$ 45.89	\$ 90.00	\$ 135.89	\$ 271.77
66			Photoelectric Smoke Detector	EA	5	0%	5	0.473	\$ 92.00	\$ 43.47	\$ 60.00	\$ 103.47	\$ 517.35
67			Smoke Detection Controller	EA	5	0%	5	1.065	\$ 92.00	\$ 97.98	\$ 792.86	\$ 890.84	\$ 4,454.20
68			Smoke Detector Sample Tubing	LF	157	0%	157	0.056	\$ 92.00	\$ 5.18	\$ 6.85	\$ 12.03	\$ 1,891.29
69			TGMS, Toxic Gas Monitoring Control Panel	EA	6	0%	6	1.731	\$ 92.00	\$159.28	\$ 1,900.79	\$ 2,060.07	\$12,360.39
			MISCELLANEOUS										
70			4" Octagon Outlet Box	EA	5	0%	5	0.611	\$ 92.00	\$ 56.24	\$ 28.31	\$ 84.55	\$ 422.73
												SUBTOTAL \$ 112,885	
												PROJECTED COST	\$454,229
OVERHEAD AND PROFIT												20%	\$90,846
INSURANCE												3%	\$13,627
CONTINGENCY												5%	\$22,711
SUB CONTRACTOR FEE												10%	\$45,423
TAX												9%	\$14,952
												SUGGESTED BID	\$641,788

Notes:

1. Online sources are used for pricing.
2. Prices can vary depending upon field conditions.

DETAILED BREAKDOWN OF ITEMS

Prepared for: **New York Center For Research, Economic Advancement, Technology, Engineering And Science**
 Project ID: **26032024**
 Scope: **Low Voltage**



Date: **08/05/24**

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOOUR	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	\$ -	\$ -	\$ -	\$ 15,000.00	\$15,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00
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			Testing and Commissioning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 15,000.00	\$ 15,000.00
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 500.00	\$ 500.00
9			Sub Contractors Margin	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 38,000.00	\$ 38,000.00
												SUBTOTAL	\$ 91,500

COMMUNICATION													
TELECOMMUNICATION													
CONDUIT													
9			2" PVC SCH 80 Conduit With Pullstring	LF	188	10%	206	0.165	\$ 92.00	\$ 15.18	\$ 5.25	\$ 20.43	\$ 4,215.26
10			4" PVC SCH 80 Conduit With Pullstring	LF	163	10%	180	0.209	\$ 92.00	\$ 19.21	\$ 10.25	\$ 29.46	\$ 5,292.95
CABLE TRAY													
11			4" x 4" Wire Basket Cable Tray	LF	13	10%	14	0.150	\$ 92.00	\$ 13.80	\$ 16.85	\$ 30.65	\$ 442.34
12			4" x 8" Wire Basket Cable Tray	LF	554	10%	609	0.234	\$ 92.00	\$ 21.51	\$ 13.50	\$ 35.01	\$21,335.51
13			4" x 18" Wire Basket Cable Tray	LF	431	10%	474	0.294	\$ 92.00	\$ 27.03	\$ 26.85	\$ 53.88	\$25,529.69
			4" x 8" Wire Mesh Cable Tray Tee	EA	1	10%	1	0.500	\$ 92.00	\$ 46.00	\$ 30.50	\$ 76.50	\$ 84.15
CONDUCTOR													
14			CAT6A Cable	LF	3596	10%	3956	0.023	\$ 92.00	\$ 2.07	\$ 0.28	\$ 2.35	\$ 9,295.92
15			1-12 Multimode Fiber Cable	LF	281	10%	309	0.038	\$ 92.00	\$ 3.45	\$ 0.95	\$ 4.40	\$ 1,360.91
16			1-24 Strand Singlemode Fiber Cable	LF	281	10%	309	0.044	\$ 92.00	\$ 4.03	\$ 1.75	\$ 5.78	\$ 1,786.20
DEVICES													
17			2 Port Telephone Outlet	EA	1	0%	1	0.200	\$ 92.00	\$ 18.40	\$ 8.50	\$ 26.90	\$ 26.90
			2 Port Faceplate	EA	1	0%	1	0.100	\$ 92.00	\$ 9.20	\$ 3.50	\$ 12.70	\$ 12.70
			8P8C-568B Modular Jack	EA	2	0%	2	0.063	\$ 92.00	\$ 5.75	\$ 1.35	\$ 7.10	\$ 14.20
			Backbox	EA	1	0%	1	0.313	\$ 92.00	\$ 28.75	\$ 21.94	\$ 50.69	\$ 50.69
18			24 Port Consolidation Point	EA	12	0%	12	1.250	\$ 92.00	\$115.00	\$ 265.00	\$ 380.00	\$ 4,560.00
19			Network Rack, Floor Mounted	EA	3	0%	3	3.125	\$ 92.00	\$287.50	\$ 1,465.31	\$ 1,752.81	\$ 5,258.43
20			Wireless Access Point	EA	32	0%	32	1.813	\$ 92.00	\$166.75	\$ 420.00	\$ 586.75	\$18,776.00
			Double Gang Backbox	EA	32	0%	32	0.400	\$ 92.00	\$ 36.80	\$ 22.50	\$ 59.30	\$ 1,897.60
SECURITY													
CONDUIT													
21			3/4" EMT Conduit	LF	68	10%	75	0.078	\$ 92.00	\$ 7.13	\$ 2.08	\$ 9.21	\$ 688.91
22			1" EMT Conduit	LF	4459	10%	4905	0.089	\$ 92.00	\$ 8.17	\$ 3.54	\$ 11.71	\$57,411.85
23			1" RGS Conduit	LF	10	10%	11	0.095	\$ 92.00	\$ 8.74	\$ 5.42	\$ 14.16	\$ 155.76
24			1/2" Flexible Conduit	LF	120	10%	132	0.075	\$ 92.00	\$ 6.90	\$ 0.82	\$ 7.72	\$ 1,019.04
CONDUCTOR													
25			CAT6 Cable	LF	4469	10%	4916	0.023	\$ 92.00	\$ 2.07	\$ 0.28	\$ 2.35	\$11,552.37
26			Multi Conductor Composite Cable	LF	655	10%	721	0.025	\$ 92.00	\$ 2.30	\$ 0.85	\$ 3.15	\$ 2,269.58
27			#18 CU THHN/THWN	LF	136	10%	150	0.006	\$ 92.00	\$ 0.58	\$ 0.20	\$ 0.78	\$ 115.94
DEVICES													
28			Card Reader	EA	5	0%	5	1.250	\$ 92.00	\$115.00	\$ 285.00	\$ 400.00	\$ 2,000.00
29			Door Contact Switch	EA	7	0%	7	0.500	\$ 92.00	\$ 64.00	\$ 15.49	\$ 79.49	\$ 632.43
30			Request To Exit Switch	EA	7	0%	7	1.563	\$ 92.00	\$143.75	\$ 210.41	\$ 354.16	\$ 2,479.12
31			Exterior Fixed Security Camera, Wall Mounted, WP	EA	2	0%	2	1.563	\$ 92.00	\$143.75	\$ 320.00	\$ 463.75	\$ 927.50
			CAT6 Jumper Patch Cable	EA	2	0%	2	0.125	\$ 92.00	\$ 11.50	\$ 2.50	\$ 14.00	\$ 28.00
			Female - Female Ethernet CAT6 POE Surge Protector, EMERSON P/N	EA	2	0%	2	0.100	\$ 92.00	\$ 9.20	\$ 86.95	\$ 96.15	\$ 192.30
32			Fixed Security Camera, Wall Mounted	EA	3	0%	3	1.563	\$ 92.00	\$143.75	\$ 210.00	\$ 353.75	\$ 1,061.25
33			Security Camera, Ceiling Mounted	EA	6	0%	6	2.750	\$ 92.00	\$253.00	\$ 400.00	\$ 653.00	\$ 3,918.00
34			Security Camera, Column Mounted	EA	8	0%	8	3.125	\$ 92.00	\$287.50	\$ 562.85	\$ 850.35	\$ 6,802.80
35			Security Camera, Tray Mounted	EA	6	0%	6	2.313	\$ 92.00	\$212.75	\$ 365.00	\$ 577.75	\$ 3,466.50
MISCELLANEOUS													
36			1" 3-Cell Maxcell Sleeve	EA	1	0%	1	0.125	\$ 92.00	\$ 11.50	\$ 3.65	\$ 15.15	\$ 15.15
36			6"x6"x6" Telecom Outlet Box	EA	17	0%	17	0.625	\$ 92.00	\$ 57.50	\$ 37.14	\$ 94.64	\$ 1,608.88
37			6"x6"x6" Telecom Outlet Box, WP	EA	2	0%	2	0.625	\$ 92.00	\$ 57.50	\$ 42.50	\$ 100.00	\$ 200.00
38			4" Sq. Pull Box, WP	EA	2	0%	2	0.500	\$ 92.00	\$ 46.00	\$ 18.51	\$ 64.51	\$ 129.02
SAW CUT													
39			Saw Cut & Repair Concrete Floor For Conduit Installation	LF	305	0%	305	0.023	\$ 92.00	\$ 2.07	\$ -	\$ 2.07	\$ 631.35
												SUBTOTAL	\$ 197,043

ELECTRONIC SAFETY AND SECURITY													
FIRE ALARM													
CONDUIT													
40			3/4" EMT Conduit	LF	2952	10%	3248	0.078	\$ 92.00	\$ 7.13	\$ 2.08	\$ 9.21	\$29,910.56
CONDUCTOR													
41			Multimode Fiber Cable	LF	46	10%	50	0.053	\$ 92.00	\$ 4.83	\$ 0.65	\$ 5.48	\$ 275.72
42			#14 CU THHN/THWN	LF	5905	10%	6495	0.008	\$ 92.00	\$ 0.71	\$ 0.15	\$ 0.86	\$ 5,594.02
DEVICES													
43			Fire Alarm Battery Cabinet	EA	1	0%	1	0.898	\$ 92.00	\$ 82.57	\$ 520.00	\$ 602.57	\$ 602.57
44			Fire Alarm Amplifier Panel	EA	1	0%	1	7.031	\$ 92.00	\$646.88	\$ 2,765.00	\$ 3,411.88	\$ 3,411.88
45			Fire Alarm Horn Assembly	EA	14	0%	14	0.438	\$ 92.00	\$ 40.25	\$ 57.89	\$ 98.14	\$ 1,373.96
46			Fire Alarm Speaker/Strobe	EA	1	0%	1	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 257.52
47			Fire Alarm Speaker/Strobe, 15CD	EA	8	0%	8	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 2,060.16
48			Fire Alarm Speaker/Strobe, 30CD	EA	8	0%	8	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 2,060.16
49			Fire Alarm Speaker/Strobe, 75CD	EA	11	0%	11	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 2,832.72
50			Fire Alarm Speaker/Strobe, Ceiling Mounted, 75CD	EA	12	0%	12	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 3,090.24
51			Fire Alarm Speaker/Strobe, Ceiling Mounted, 75CD	EA	5	0%	5	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 1,287.60
52			Fire Alarm Strobe, 30CD	EA	31	0%	31	0.525	\$ 92.00	\$ 48.30	\$ 169.47	\$ 217.77	\$ 6,750.87
53			Smoke Detection Controller	EA	4	0%	4	1.065	\$ 92.00	\$ 97.98	\$ 792.86	\$ 890.84	\$ 3,563.36
54			Smoke Detector Sample Tubing	LF	133	0%	133	0.056	\$ 92.00	\$ 5.18	\$ 6.85	\$ 12.03	\$ 1,595.36
												SUBTOTAL	\$ 64,667

												PROJECTED COST	\$353,210
OVERHEAD AND PROFIT												20%	\$70,642
INSURANCE												3%	\$10,596
CONTINGENCY												5%	\$17,660
SUB CONTRACTOR FEE												10%	\$35,321
TAX												9%	\$10,126
SUGGESTED BID													\$497,556

Notes:

- Online sources are used for pricing.
- Prices can vary depending upon field conditions.

DETAILED BREAKDOWN OF ITEMS

Prepared for: New York Center For Research, Economic Advancement, Technology, Engineering And Science
Project ID: 26032024
Scope: Low Voltage



Date: 08/05/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
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DETAILED BREAKDOWN OF ITEMS

Prepared for: **New York Center For Research, Economic Advancement, Technology, Engineering And Science**
 Project ID: **26032024**
 Scope: **Low Voltage**



Date: **08/05/24**

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	\$ -	\$ -	\$ -	\$ 14,500.00	\$14,500.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00
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			Testing and Commissioning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 10,000.00	\$ 10,000
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 1,500
9			Sub Contractors Margin	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 35,000.00	\$ 35,000
												SUBTOTAL \$ 84,000	
COMMUNICATION													
TELECOMMUNICATION													
CONDUIT													
8			3/4" EMT Conduit Upto Ceiling	LF	105	10%	116	0.078	\$ 92.00	\$ 7.13	\$ 8.86	\$ 15.99	\$ 1,846.85
9			2" EMT Conduit	LF	465	10%	512	0.125	\$ 92.00	\$ 11.50	\$ 8.86	\$ 20.36	\$10,424.44
10			4" PVC SCH 80 Conduit With Pullstring	LF	47	10%	51	0.209	\$ 92.00	\$ 19.21	\$ 10.25	\$ 29.46	\$ 1,515.05
CONDUCTOR													
11			CAT6A Cable	LF	5435	10%	5979	0.023	\$ 92.00	\$ 2.07	\$ 0.28	\$ 2.35	\$14,050.69
12			1-12 Multimode Fiber Cable	LF	233	10%	256	0.038	\$ 92.00	\$ 3.45	\$ 0.95	\$ 4.40	\$ 1,126.41
13			1-24 Strand Singlemode Fiber Cable	LF	233	10%	256	0.044	\$ 92.00	\$ 4.03	\$ 1.75	\$ 5.78	\$ 1,478.42
CABLE TRAY													
14			2" x 6" Wire Basket Cable Tray	LF	6	10%	7	0.119	\$ 92.00	\$ 10.93	\$ 16.62	\$ 27.55	\$ 193.01
15			4" x 4" Wire Basket Cable Tray	LF	179	10%	197	0.150	\$ 92.00	\$ 13.80	\$ 16.85	\$ 30.65	\$ 6,045.10
16			4" x 8" Wire Basket Cable Tray	LF	346	10%	381	0.234	\$ 92.00	\$ 21.51	\$ 13.85	\$ 35.36	\$13,468.56
17			4" x 12" Wire Basket Cable Tray	LF	79	10%	86	0.263	\$ 92.00	\$ 24.15	\$ 22.50	\$ 46.65	\$ 4,033.87
18			4" x 18" Wire Basket Cable Tray	LF	199	10%	219	0.294	\$ 92.00	\$ 27.03	\$ 26.85	\$ 53.88	\$11,797.39
			4" x 4" Wire Mesh Cable Tray Elbow	EA	5	10%	6	0.200	\$ 92.00	\$ 18.40	\$ 20.50	\$ 38.90	\$ 213.95
			4" x 8" Wire Mesh Cable Tray Elbow	EA	3	10%	3	0.375	\$ 92.00	\$ 34.50	\$ 20.14	\$ 54.64	\$ 180.31
			4" x 8" Wire Mesh Cable Tray Elbow	EA	1	10%	1	0.375	\$ 92.00	\$ 34.50	\$ 20.14	\$ 54.64	\$ 60.10
			4" x 4 / 4" x 12" " Wire Mesh Cable Tray Reducer Tee	EA	1	10%	1	0.438	\$ 92.00	\$ 40.25	\$ 36.50	\$ 76.75	\$ 84.43
			4" x 12" Wire Mesh Cable Tray Elbow	EA	2	10%	2	0.438	\$ 92.00	\$ 40.25	\$ 28.50	\$ 68.75	\$ 151.25
DEVICES													
19			2 Port Tele/Data Outlet	EA	1	0%	1	0.200	\$ 92.00	\$ 18.40	\$ 8.50	\$ 26.90	\$ 26.90
			2 Port Faceplate	EA	1	0%	1	0.100	\$ 92.00	\$ 9.20	\$ 3.50	\$ 12.70	\$ 12.70
			8P8C-568B Modular Jack	EA	4	0%	4	0.063	\$ 92.00	\$ 5.75	\$ 1.35	\$ 7.10	\$ 28.40
			Backbox	EA	1	0%	1	0.313	\$ 92.00	\$ 28.75	\$ 21.94	\$ 50.69	\$ 50.69
20			2 Port Telephone Outlet	EA	6	0%	6	0.200	\$ 92.00	\$ 18.40	\$ 8.50	\$ 26.90	\$ 161.40
			2 Port Faceplate	EA	6	0%	6	0.100	\$ 92.00	\$ 9.20	\$ 3.50	\$ 12.70	\$ 76.20
			8P8C-568B Modular Jack	EA	12	0%	12	0.063	\$ 92.00	\$ 5.75	\$ 1.35	\$ 7.10	\$ 85.20
			Backbox	EA	6	0%	6	0.313	\$ 92.00	\$ 28.75	\$ 21.94	\$ 50.69	\$ 304.14
21			24 Port Consolidation Point	EA	2	0%	2	1.250	\$ 92.00	\$115.00	\$ 265.00	\$ 380.00	\$ 760.00
22			IDF, Floor Mounted	EA	2	0%	2	2.063	\$ 92.00	\$189.75	\$ 1,350.00	\$ 1,539.75	\$ 3,079.50
			2 Racks	EA	2	0%	2	1.250	\$ 92.00	\$115.00	\$ 300.00	\$ 415.00	\$ 830.00
23			Network Rack, Floor Mounted	EA	1	0%	1	3.125	\$ 92.00	\$287.50	\$ 1,465.31	\$ 1,752.81	\$ 1,752.81
24			Wireless Access Point	EA	22	0%	22	1.813	\$ 92.00	\$166.75	\$ 420.00	\$ 586.75	\$12,908.50
			Double Gang Backbox	EA	22	0%	22	0.400	\$ 92.00	\$ 36.80	\$ 22.50	\$ 59.30	\$ 1,304.60
SECURITY													
CONDUIT													
25			3/4" EMT Conduit	LF	613	10%	674	0.078	\$ 92.00	\$ 7.13	\$ 2.08	\$ 9.21	\$ 6,210.30
26			1" EMT Conduit	LF	4356	10%	4792	0.089	\$ 92.00	\$ 8.17	\$ 3.54	\$ 11.71	\$56,085.68
27			3/4" RGS Conduit	LF	12	10%	13	0.085	\$ 92.00	\$ 7.82	\$ 3.39	\$ 11.21	\$ 147.97
28			1" RGS Conduit	LF	15	10%	17	0.095	\$ 92.00	\$ 8.74	\$ 5.42	\$ 14.16	\$ 233.64
29			1/2" Flexible Conduit	LF	24	10%	26	0.075	\$ 92.00	\$ 6.90	\$ 0.82	\$ 7.72	\$ 203.81
CONDUCTOR													
30			CAT6 Cable	LF	4371	10%	4808	0.023	\$ 92.00	\$ 2.07	\$ 0.28	\$ 2.35	\$11,299.04
31			Multi Conductor Composite Cable	LF	3133	10%	3446	0.025	\$ 92.00	\$ 2.30	\$ 0.85	\$ 3.15	\$10,855.85
32			#18 CU THHN/THWN	LF	1248	10%	1373	0.006	\$ 92.00	\$ 0.58	\$ 0.20	\$ 0.78	\$ 1,063.92
DEVICES													
33			Card Reader	EA	22	0%	22	1.250	\$ 92.00	\$115.00	\$ 285.00	\$ 400.00	\$ 8,800.00
34			Door Contact Switch	EA	32	0%	32	0.500	\$ 92.00	\$ 46.00	\$ 14.29	\$ 60.29	\$ 1,929.28
35			Request To Exit Switch	EA	29	0%	29	1.563	\$ 92.00	\$143.75	\$ 210.41	\$ 354.16	\$10,270.64
36			Exterior Fixed Security Camera, Column Mounted, WP	EA	1	0%	1	3.125	\$ 92.00	\$287.50	\$ 562.85	\$ 850.35	\$ 850.35
37			Exterior Fixed Security Camera, Wall Mounted, WP	EA	5	0%	5	1.563	\$ 92.00	\$143.75	\$ 320.00	\$ 463.75	\$ 2,318.75
			CAT6 Jumper Patch Cable	EA	5	0%	5	0.125	\$ 92.00	\$ 11.50	\$ 2.50	\$ 14.00	\$ 70.00
			Female - Female Ethernet CAT6 POE Surge Protector, EMERSON P/N	EA	5	0%	5	0.100	\$ 92.00	\$ 9.20	\$ 86.95	\$ 96.15	\$ 480.75
38			Fixed Security Camera, Column Mounted	EA	2	0%	2	3.125	\$ 92.00	\$287.50	\$ 562.85	\$ 850.35	\$ 1,700.70
39			Fixed Security Camera, Wall Mounted	EA	7	0%	7	1.563	\$ 92.00	\$143.75	\$ 210.00	\$ 353.75	\$ 2,476.25
40			Security Camera, Column Mounted	EA	5	0%	5	3.125	\$ 92.00	\$287.50	\$ 562.85	\$ 850.35	\$ 4,251.75
41			Security Camera, Wall Mounted	EA	12	0%	12	1.563	\$ 92.00	\$143.75	\$ 210.00	\$ 353.75	\$ 4,245.00
42			Security Alarm Control Panel With Clearance	EA	6	0%	6	4.375	\$ 92.00	\$402.50	\$ 495.00	\$ 897.50	\$ 5,385.00
MISCELLANEOUS													
42			1" 3 Cell Maxcell Sleeve	EA	1	0%	1	0.125	\$ 92.00	\$ 11.50	\$ 3.65	\$ 15.15	\$ 15.15
43			2" 3-Cell Maxcell Sleeve	EA	2	0%	2	0.125	\$ 92.00	\$ 11.50	\$ 4.20	\$ 15.70	\$ 31.40
43			6"x6"x6" Telecom Outlet Box	EA	27	0%	27	0.625	\$ 92.00	\$ 57.50	\$ 37.14	\$ 94.64	\$ 2,555.28
44			6"x6"x6" Telecom Outlet Box, WP	EA	5	0%	5	0.625	\$ 92.00	\$ 57.50	\$ 42.50	\$ 100.00	\$ 500.00
45			4" Sq. Pull Box, WP	EA	5	0%	5	0.500	\$ 92.00	\$ 46.00	\$ 18.51	\$ 64.51	\$ 322.55
SAW CUT													
46			Saw Cut & Repair Concrete Floor For Conduit Installation	LF	47	0%	47	0.023	\$ 92.00	\$ 2.07	\$ -	\$ 2.07	\$ 96.79
												SUBTOTAL \$ 220,451	
ELECTRONIC SAFETY AND SECURITY													
FIRE ALARM													
CONDUIT													
47			3/4" EMT Conduit	LF	3166	10%	3482	0.078	\$ 92.00	\$ 7.13	\$ 2.08	\$ 9.21	\$32,070.59
CONDUCTOR													
48			#16 CU THHN/THWN	LF	1307	10%	1437	0.006	\$ 92.00	\$ 0.58	\$ 0.13	\$ 0.71	\$ 1,013.41
49			#14 CU THHN/THWN	LF	5024	10%	5527	0.008	\$ 92.00	\$ 0.71	\$ 0.15	\$ 0.86	\$ 4,759.99
DEVICES													
50			Fire Alarm Battery Cabinet	EA	2	0%	2	0.898	\$ 92.00	\$ 82.57	\$ 520.00	\$ 602.57	\$ 1,205.14
51			Fire Alarm Amplifier Panel	EA	2	0%	2	7.031	\$ 92.00	\$646.88	\$ 2,765.00	\$ 3,411.88	\$ 6,823.75
52			Fire Alarm Horn Assembly	EA	7	0%	7	0.438	\$ 92.00	\$ 40.25	\$ 57.89	\$ 98.14	\$ 686.98
53			Fire Alarm Speaker/Strobe, 110CD	EA	1	0%	1	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 257.52
54			Fire Alarm Speaker/Strobe, 15CD	EA	9	0%	9	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 2,317.68
55			Fire Alarm Speaker/Strobe, 30CD	EA	16	0%	16	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 4,120.32
56			Fire Alarm Speaker/Strobe, 75CD	EA	20	0%	20	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 5,150.40
57			Fire Alarm Speaker/Strobe, Ceiling Mounted, 30CD	EA	2	0%	2	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 515.04
58			Fire Alarm Speaker/Strobe, Ceiling Mounted, 75CD	EA	5	0%	5	0.525	\$ 92.00	\$ 48.30	\$ 209.22	\$ 257.52	\$ 1,287.60

DETAILED BREAKDOWN OF ITEMS

Prepared for: **New York Center For Research, Economic Advancement, Technology, Engineering And Science**
 Project ID: **26032024**
 Scope: **Low Voltage**



Date: **08/05/24**

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
59	1201D, FA-1203D & FA-1503D		Fire Alarm Strobe, 15CD	EA	4	0%	4	0.525	\$ 92.00	\$ 48.30	\$ 169.47	\$ 217.77	\$ 871.08	
60			Fire Alarm Strobe, 30CD	EA	15	0%	15	0.525	\$ 92.00	\$ 48.30	\$ 169.47	\$ 217.77	\$ 3,266.55	
61			Flow Switch	EA	6	0%	6	0.781	\$ 92.00	\$ 71.88	\$ 224.50	\$ 296.38	\$ 1,778.25	
62			Gas Cabinet Reserved Space (Future)	EA	1	0%	1	0.000	\$ 92.00	\$ -	\$ -	\$ -	\$ -	
63			Heat Detector	EA	1	0%	1	0.523	\$ 92.00	\$ 48.07	\$ 200.00	\$ 248.07	\$ 248.07	
64			Manual Pull Station	EA	5	0%	5	0.499	\$ 92.00	\$ 45.89	\$ 90.00	\$ 135.89	\$ 679.43	
65			Monitor Module	EA	6	0%	6	0.716	\$ 92.00	\$ 65.90	\$ 185.00	\$ 250.90	\$ 1,505.37	
66			Photoelectric Smoke Detector	EA	7	0%	7	0.473	\$ 92.00	\$ 43.47	\$ 60.00	\$ 103.47	\$ 724.29	
67			Smoke Detection Controller	EA	3	0%	3	1.065	\$ 92.00	\$ 97.98	\$ 792.86	\$ 890.84	\$ 2,672.52	
68			Smoke Detection Test Port	EA	4	0%	4	0.619	\$ 92.00	\$ 56.93	\$ 119.95	\$ 176.88	\$ 707.50	
69			Smoke Detector Sample Tubing	LF	334	0%	334	0.056	\$ 92.00	\$ 5.18	\$ 6.85	\$ 12.03	\$ 4,021.64	
70			Tamper Switch	EA	6	0%	6	0.540	\$ 92.00	\$ 49.68	\$ 159.95	\$ 209.63	\$ 1,257.78	
71			TGMS, Toxic Gas Monitoring Control Panel	EA	1	0%	1	1.731	\$ 92.00	\$159.28	\$ 1,900.79	\$ 2,060.07	\$ 2,060.07	
			MISCELLANEOUS											
72				4" Octagon Outlet Box	EA	7	0%	7	0.611	\$ 92.00	\$ 56.24	\$ 28.31	\$ 84.55	\$ 591.82
SUBTOTAL												\$ 80,593		

PROJECTED COST												\$385,043	
OVERHEAD AND PROFIT												20%	\$77,009
INSURANCE												3%	\$11,551
CONTINGENCY												5%	\$19,252
SUB CONTRACTOR FEE												10%	\$38,504
TAX												9%	\$11,935
SUGGESTED BID												\$543,295	

Notes:

1. Online sources are used for pricing.
2. Prices can vary depending upon field conditions.