

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	UNIT MATERIAL COST	TOTAL LABOR COST	TOTAL MATERIAL COST	UNIT COST	TOTAL ITEM COST
NEW WORK											
DISTRIBUTION											
CONDUITS											
1	3/4" RMC Conduit	30	10%	33	FT	\$ 6.58	\$ 1.51	\$ 217.03	\$ 49.96	\$ 8.09	\$ 266.99
2	1" EMT Conduit	52	10%	57.2	FT	\$ 8.88	\$ 2.52	\$ 507.75	\$ 144.14	\$ 11.40	\$ 651.89
3	1" RMC Conduit	23	10%	25.3	FT	\$ 8.88	\$ 2.52	\$ 224.58	\$ 63.76	\$ 11.40	\$ 288.34
4	1" RMC Conduit	7	10%	7.7	FT	\$ 8.88	\$ 2.52	\$ 68.35	\$ 19.40	\$ 11.40	\$ 87.75
5	1-1/2" EMT Conduit	5	10%	5.5	FT	\$ 9.90	\$ 2.53	\$ 54.45	\$ 13.93	\$ 12.43	\$ 68.38
6	1-1/4" PVC Sch.80 Conduit (Assumed Length, 30mm Conduit)	130	10%	143	FT	\$ 6.58	\$ 2.53	\$ 940.46	\$ 362.27	\$ 9.11	\$ 1,302.73
7	2" EMT Conduit	122	10%	134.2	FT	\$ 6.83	\$ 3.00	\$ 917.03	\$ 402.60	\$ 9.83	\$ 1,319.63
8	3" EMT Conduit	12	10%	13.2	FT	\$ 7.17	\$ 3.67	\$ 94.60	\$ 48.40	\$ 10.83	\$ 143.00
9	4" RMC Conduit (Assumed Length)	60	10%	66	FT	\$ 7.67	\$ 4.00	\$ 506.00	\$ 264.00	\$ 11.67	\$ 770.00
CONDUCTORS											
1	#10 CU THHN/THWN	52	10%	57.2	FT	\$ 2.33	\$ 5.40	\$ 133.28	\$ 308.88	\$ 7.73	\$ 442.16
2	#8 CU THHN/THWN	110	10%	120.912	FT	\$ 2.10	\$ 5.10	\$ 253.92	\$ 616.65	\$ 7.20	\$ 870.57
3	#6 CU THHN/THWN	334	10%	367.4	FT	\$ 1.85	\$ 4.80	\$ 679.69	\$ 1,763.52	\$ 6.65	\$ 2,443.21
4	#4 CU THHN/THWN	12	10%	13.145	FT	\$ 1.50	\$ 4.30	\$ 19.72	\$ 56.52	\$ 5.80	\$ 76.24
5	3#4, #8 MC Cable THWN CU (Assumed Length)	120	10%	132	FT	\$ 4.50	\$ 10.50	\$ 594.00	\$ 1,386.00	\$ 15.00	\$ 1,980.00
6	3#3, #8 MC Cable THWN CU (Assumed Length)	80	10%	88	FT	\$ 3.50	\$ 9.20	\$ 308.00	\$ 809.60	\$ 12.70	\$ 1,117.60
7	#2 CU THHN/THWN	17	10%	18.216	FT	\$ 1.50	\$ 4.30	\$ 27.32	\$ 78.33	\$ 5.80	\$ 105.65
8	3#2, #8 MC Cable THWN CU (Assumed Length)	160	10%	176	FT	\$ 3.60	\$ 6.70	\$ 633.60	\$ 1,179.20	\$ 10.30	\$ 1,812.80
9	#1 CU THHN/THWN	488	10%	536.36	FT	\$ 1.00	\$ 2.10	\$ 536.36	\$ 1,126.36	\$ 3.10	\$ 1,662.72
10	#350 MCM CU THHN/THWN	48	10%	52.58	FT	\$ 6.50	\$ 10.20	\$ 341.77	\$ 536.32	\$ 16.70	\$ 878.09
11	#600 MCM CU THHN/THWN (Assumed Length)	240	10%	264	FT	\$ 8.50	\$ 14.10	\$ 2,244.00	\$ 3,722.40	\$ 22.60	\$ 5,966.40
CIRCUIT BREAKERS											
1	15 A 3P	2	0%	2	EA	\$ 200.00	\$ 400.00	\$ 400.00	\$ 800.00	\$ 600.00	\$ 1,200.00
2	20A 1P (Includes The Additional 20A 1P As per Note 1.i on E-001)	119	0%	119	EA	\$ 230.00	\$ 430.00	\$ 27,370.00	\$ 51,170.00	\$ 660.00	\$ 78,540.00
3	20A 1P ARC Fault Type Breaker	63	0%	63	EA	\$ 230.00	\$ 430.00	\$ 14,490.00	\$ 27,090.00	\$ 660.00	\$ 41,580.00
4	20A 2P	8	0%	8	EA	\$ 230.00	\$ 450.00	\$ 1,840.00	\$ 3,600.00	\$ 680.00	\$ 5,440.00
5	20A 3P	1	0%	1	EA	\$ 230.00	\$ 480.00	\$ 230.00	\$ 480.00	\$ 710.00	\$ 710.00
6	25A 3P	1	0%	1	EA	\$ 250.00	\$ 495.00	\$ 250.00	\$ 495.00	\$ 745.00	\$ 745.00
7	30A 3P	2	0%	2	EA	\$ 250.00	\$ 510.00	\$ 500.00	\$ 1,020.00	\$ 760.00	\$ 1,520.00
8	40A 3P	1	0%	1	EA	\$ 300.00	\$ 530.00	\$ 300.00	\$ 530.00	\$ 830.00	\$ 830.00
9	50A 2P	7	0%	7	EA	\$ 320.00	\$ 555.00	\$ 2,240.00	\$ 3,885.00	\$ 875.00	\$ 6,125.00
10	50A 3P	1	0%	1	EA	\$ 320.00	\$ 570.00	\$ 320.00	\$ 570.00	\$ 890.00	\$ 890.00
11	60A 3P	1	0%	1	EA	\$ 340.00	\$ 590.00	\$ 340.00	\$ 590.00	\$ 930.00	\$ 930.00
12	80A 3P	1	0%	1	EA	\$ 350.00	\$ 610.00	\$ 350.00	\$ 610.00	\$ 960.00	\$ 960.00
13	100A 3P	1	0%	1	EA	\$ 370.00	\$ 630.00	\$ 370.00	\$ 630.00	\$ 1,000.00	\$ 1,000.00
14	125A 3P	3	0%	3	EA	\$ 390.00	\$ 650.00	\$ 1,170.00	\$ 1,950.00	\$ 1,040.00	\$ 3,120.00
15	125AF, 100AT, 2P	6	0%	6	EA	\$ 390.00	\$ 650.00	\$ 2,340.00	\$ 3,900.00	\$ 1,040.00	\$ 6,240.00
16	125AF, 70AT, 2P	4	0%	4	EA	\$ 390.00	\$ 660.00	\$ 1,560.00	\$ 2,640.00	\$ 1,050.00	\$ 4,200.00
17	125AF, 80AT, 2P	1	0%	1	EA	\$ 390.00	\$ 675.00	\$ 390.00	\$ 675.00	\$ 1,065.00	\$ 1,065.00
18	125AF, 90AT, 2P	1	0%	1	EA	\$ 390.00	\$ 700.00	\$ 390.00	\$ 700.00	\$ 1,090.00	\$ 1,090.00
PANELS											
1	APT Panel	12	0%	12	EA	\$ 100.00	\$ 450.00	\$ 1,200.00	\$ 5,400.00	\$ 550.00	\$ 6,600.00
2	Panel LV101: 120/208V, 1P, 4W, 125A, 22KAIC, Floor Mounted, 125A O.C Device	1	0%	1	EA	\$ 200.00	\$ 450.00	\$ 200.00	\$ 450.00	\$ 650.00	\$ 650.00
3	Panel LV102: 120/208V, 1P, 4W, 125A, 22KAIC, Floor Mounted, 125A O.C Device	1	0%	1	EA	\$ 200.00	\$ 500.00	\$ 200.00	\$ 500.00	\$ 700.00	\$ 700.00
4	Panel LV103: 120/208V, 1P, 4W, 125A, 22KAIC, Floor Mounted, 125A O.C Device	1	0%	1	EA	\$ 200.00	\$ 500.00	\$ 200.00	\$ 500.00	\$ 700.00	\$ 700.00
5	Panel LV201: 120/208V, 1P, 4W, 125A, 22KAIC, Floor Mounted, 125A O.C Device	1	0%	1	EA	\$ 200.00	\$ 500.00	\$ 200.00	\$ 500.00	\$ 700.00	\$ 700.00
6	Panel LV202: 120/208V, 1P, 4W, 125A, 22KAIC, Floor Mounted, 125A O.C Device	1	0%	1	EA	\$ 200.00	\$ 500.00	\$ 200.00	\$ 500.00	\$ 700.00	\$ 700.00
7	Panel LV203: 120/208V, 1P, 4W, 125A, 22KAIC, Floor Mounted, 125A O.C Device	1	0%	1	EA	\$ 200.00	\$ 500.00	\$ 200.00	\$ 500.00	\$ 700.00	\$ 700.00
8	Panel LV8: 120/208V 3P, 4W, 125A, 60KAIC, Floor Mounted	1	0%	1	EA	\$ 200.00	\$ 345.00	\$ 200.00	\$ 345.00	\$ 545.00	\$ 545.00
9	Panel LVH: 120/208V 3P, 4W, 400A, 65KAIC, Floor Mounted	1	0%	1	EA	\$ 300.00	\$ 390.00	\$ 300.00	\$ 390.00	\$ 690.00	\$ 690.00
10	Panel LVH3: 120/208V 3P, 4W, 125A, 22KAIC, Floor Mounted	1	0%	1	EA	\$ 200.00	\$ 450.00	\$ 200.00	\$ 450.00	\$ 650.00	\$ 650.00
11	Panel LVHC: 120/208V 3P, 4W, 125A, 22KAIC, Floor Mounted	1	0%	1	EA	\$ 200.00	\$ 400.00	\$ 200.00	\$ 400.00	\$ 600.00	\$ 600.00
DEVICES											
1	400A Combination Tans's and Service Switch For Huse Servie. Provide (3) 300A Fuses	1	0%	1	EA	\$ 50.00	\$ 100.00	\$ 50.00	\$ 100.00	\$ 150.00	\$ 150.00
2	200A Sprinkler Booster Pump Service Switch. Provide 150A Fuse	1	0%	1	EA	\$ 50.00	\$ 100.00	\$ 50.00	\$ 100.00	\$ 150.00	\$ 150.00
3	400A Service Switch #2 Fused at 300A For Meter Bank	1	0%	1	EA	\$ 50.00	\$ 100.00	\$ 50.00	\$ 100.00	\$ 150.00	\$ 150.00
4	400A-3P Main Lug Box	1	0%	1	EA	\$ 60.00	\$ 120.00	\$ 60.00	\$ 120.00	\$ 180.00	\$ 180.00
5	Apartment Meter Bank MBA: 208/120V, 3P, 4W, 400A , 65K Amp	1	0%	1	EA	\$ 50.00	\$ 100.00	\$ 50.00	\$ 100.00	\$ 150.00	\$ 150.00
6	Endbox W/ 800A Copper Bus Detail	1	0%	1	EA	\$ 20.00	\$ 100.00	\$ 20.00	\$ 100.00	\$ 120.00	\$ 120.00
7	Fire Pump Inline Meter Socket and Meter 200A, 3P, 4W	1	0%	1	EA	\$ 20.00	\$ 100.00	\$ 20.00	\$ 100.00	\$ 120.00	\$ 120.00
8	Motor Connection	1	0%	1	EA	\$ 30.00	\$ 50.00	\$ 30.00	\$ 50.00	\$ 80.00	\$ 80.00

9	Property Line Manhole By E.C Coordinate W/ CON-EDISON	1	0%	1	EA	\$ 20.00	\$ 90.00	\$ 20.00	\$ 90.00	\$ 110.00	\$ 110.00
GROUNDING											
1	#3/0 AWG CU (Assumed Length)	100	0%	100	FT	\$ 7.17	\$ 3.67	\$ 716.67	\$ 366.67	\$ 10.83	\$ 1,083.33
2	#3/0 AWG Bare CU (Assumed Length)	60	0%	60	FT	\$ 7.17	\$ 3.67	\$ 430.00	\$ 220.00	\$ 10.83	\$ 650.00
3	#4 AWG CU (Assumed Length)	30	0%	30	FT	\$ 8.00	\$ 4.50	\$ 240.00	\$ 135.00	\$ 12.50	\$ 375.00
4	#8 CU (Assumed Length)	180	0%	180	FT	\$ 12.00	\$ 8.50	\$ 2,160.00	\$ 1,530.00	\$ 20.50	\$ 3,690.00
5	#6 CU	31	0%	30.59	FT	\$ 1.85	\$ 4.80	\$ 56.59	\$ 146.83	\$ 6.65	\$ 203.42
6	6mmx50mm (1/4"x2") Long Copper Ground Bus Mounted to Wall W/ Insulators	1	0%	1	EA	\$ 5.60	\$ 10.50	\$ 5.60	\$ 10.50	\$ 16.10	\$ 16.10
7	3/8" Mounting Bolt	2	0%	2	EA	\$ 2.00	\$ 4.00	\$ 4.00	\$ 8.00	\$ 6.00	\$ 12.00
8	Polyster/Fibreglass Insulator. 45mm (1-3/4") Dia. x 50mm (2") Long	2	0%	2	EA	\$ 1.50	\$ 2.30	\$ 3.00	\$ 4.60	\$ 3.80	\$ 7.60
9	Ground Ring	1	0%	1	EA	\$ 50.00	\$ 100.00	\$ 50.00	\$ 100.00	\$ 150.00	\$ 150.00
10	3/4" x 10'-0" Long Copper Clad Ground Rod	1	0%	1	EA	\$ 20.00	\$ 200.00	\$ 20.00	\$ 200.00	\$ 220.00	\$ 220.00
11	Driven Ground Rod	1	0%	1	EA	\$ 20.00	\$ 200.00	\$ 20.00	\$ 200.00	\$ 220.00	\$ 220.00
RECEPTACLES & SWITCHES											
CONDUITS											
1	3/4" EMT Conduit (Also Includes the Conduit As Per Note 1.i on E-001)	6796	10%	7475.6	FT	\$ 6.58	\$ 1.51	\$ 49,164.53	\$ 11,318.06	\$ 8.09	\$ 60,482.59
2	3/4" RMC Conduit	311	10%	342.1	FT	\$ 6.58	\$ 2.60	\$ 2,249.88	\$ 889.46	\$ 9.18	\$ 3,139.34
3	3/4" Flexible Conduit	108	10%	118.8	FT	\$ 6.58	\$ 1.90	\$ 781.31	\$ 225.72	\$ 8.48	\$ 1,007.03
4	1" EMT Conduit	470	10%	517	FT	\$ 6.58	\$ 2.50	\$ 3,400.14	\$ 1,292.50	\$ 9.08	\$ 4,692.64
5	4" Empty Conduit W/ 200LB Pull Wire W/ Cap For Verizon/TimeWarner Service.	128	10%	140.613	FT	\$ 8.90	\$ 5.40	\$ 1,251.46	\$ 759.31	\$ 14.30	\$ 2,010.77
CONDUCTORS											
1	#12 CU THHN/THWN (Also Includes the Conductor As Per Note 1.i on E-001)	20977	10%	23074.227	FT	\$ 4.50	\$ 8.30	\$ 103,834.02	\$ 191,516.08	\$ 12.80	\$ 295,350.11
2	#10 CU THHN/THWN	989	10%	1088.384	FT	\$ 4.00	\$ 8.00	\$ 4,353.54	\$ 8,707.07	\$ 12.00	\$ 13,060.61
3	#8 CU THHN/THWN	860	10%	946	FT	\$ 3.80	\$ 7.50	\$ 3,594.80	\$ 7,095.00	\$ 11.30	\$ 10,689.80
DEVICES											
1	20A, 125V Flush Wall-Mounted Duplex Receptacle, GFI	81	0%	81	EA	\$ 5.60	\$ 16.00	\$ 453.60	\$ 1,296.00	\$ 21.60	\$ 1,749.60
2	20A, 125V Flush Wall-Mounted Duplex Receptacle, Tamper Resistant, Ceiling Mounted	4	0%	4	EA	\$ 5.60	\$ 18.00	\$ 22.40	\$ 72.00	\$ 23.60	\$ 94.40
3	20A, 125V Flush Wall-Mounted Duplex Receptacle, Tamper Resistant, Wall Mounted	152	0%	152	EA	\$ 5.60	\$ 18.00	\$ 851.20	\$ 2,736.00	\$ 23.60	\$ 3,587.20
4	20A, 125V Flush Wall-Mounted Duplex Receptacle, Wall Mounted	9	0%	9	EA	\$ 5.60	\$ 20.00	\$ 50.40	\$ 180.00	\$ 25.60	\$ 230.40
5	20A, 125V Flush Wall-Mounted Quad Receptacle	3	0%	3	EA	\$ 5.60	\$ 25.00	\$ 16.80	\$ 75.00	\$ 30.60	\$ 91.80
6	20A, 125V, flush Wall mounted type simplex receptacle	24	0%	24	EA	\$ 5.60	\$ 14.00	\$ 134.40	\$ 336.00	\$ 19.60	\$ 470.40
7	20A, 277V, Disconnect Switch-Toggle Type. Two Pole Switch	4	0%	4	EA	\$ 5.60	\$ 30.00	\$ 22.40	\$ 120.00	\$ 35.60	\$ 142.40
8	Emergency Boiler Shut Off Switch	1	0%	1	EA	\$ 4.00	\$ 25.00	\$ 4.00	\$ 25.00	\$ 29.00	\$ 29.00
9	Motor Connection	29	0%	29	EA	\$ 3.00	\$ 20.00	\$ 87.00	\$ 580.00	\$ 23.00	\$ 667.00
10	Motor Rated Switch	2	0%	2	EA	\$ 6.00	\$ 25.00	\$ 12.00	\$ 50.00	\$ 31.00	\$ 62.00
11	Wall Mounted Special Purpose Receptacle	12	0%	12	EA	\$ 5.60	\$ 25.00	\$ 67.20	\$ 300.00	\$ 30.60	\$ 367.20
12	120V, 30A, 6 Pole Contactor For Boiler	1	0%	1	EA	\$ 5.60	\$ 15.00	\$ 5.60	\$ 15.00	\$ 20.60	\$ 20.60
LIGHTING											
CONDUITS											
1	3/4" EMT Conduit	2191	10%	2410.1	FT	\$ 6.58	\$ 1.51	\$ 15,850.42	\$ 3,648.89	\$ 8.09	\$ 19,499.32
2	3/4" RMC Conduit	104	10%	114.4	FT	\$ 6.58	\$ 2.60	\$ 752.37	\$ 297.44	\$ 9.18	\$ 1,049.81
3	3/4" Flexible Conduit	91	10%	100.1	FT	\$ 6.58	\$ 1.90	\$ 658.32	\$ 190.19	\$ 8.48	\$ 848.51
CONDUCTORS											
1	#12 CU THHN/THWN	5108	10%	5619.108	FT	\$ 4.50	\$ 8.30	\$ 25,285.99	\$ 46,638.60	\$ 12.80	\$ 71,924.58
2	#10 CU THHN/THWN	1778	10%	1955.745	FT	\$ 4.00	\$ 8.00	\$ 7,822.98	\$ 15,645.96	\$ 12.00	\$ 23,468.94
LIGHTING FIXTURES											
1	A: Fluorescent Light, Surface Mounted MFG: LUMAX LIGHTING #CNHLED83L4K46-1FAR	19	0%	19	EA	\$ 100.00	\$ 120.00	\$ 1,900.00	\$ 2,280.00	\$ 220.00	\$ 4,180.00
2	A-EM: Fluorescent Light, Surface Mounted W/ Battery Pack MFG: LUMAX LIGHTING #CNHLED83L4K46-1FAR	7	0%	7	EA	\$ 100.00	\$ 120.00	\$ 700.00	\$ 840.00	\$ 220.00	\$ 1,540.00
3	B: Downlight - Recessed (Corridor) MFG: ACCESS LIGHTING #20445LEDD-BS/OPL	3	0%	3	EA	\$ 100.00	\$ 120.00	\$ 300.00	\$ 360.00	\$ 220.00	\$ 660.00
4	B-EM: Downlight - Recessed (Corridor) W/ Battery Pack MFG: ACCESS LIGHTING #20445LEDD-BS/OPL	10	0%	10	EA	\$ 100.00	\$ 150.00	\$ 1,000.00	\$ 1,500.00	\$ 250.00	\$ 2,500.00
5	C: Wall Scone MFG: ACCESS LIGHTING #20436-BS/OPL	15	0%	15	EA	\$ 50.00	\$ 100.00	\$ 750.00	\$ 1,500.00	\$ 150.00	\$ 2,250.00
6	D: Downlight - Ceiling Mounted (Lobby) MFG: MOLTO LUCE LIGHTING #220-04971915adusa	2	0%	2	EA	\$ 100.00	\$ 120.00	\$ 200.00	\$ 240.00	\$ 220.00	\$ 440.00

7	D/C-EM : Downlight - Ceiling Mounted (Lobby) W/ Battery Pack/ Wall Scone For D Type Light Fixture MFG: MOLTO LUCE LIGHTING #220-04971915adusa For C Type Light Fixture MFG: ACCESS LIGHTING #20436-BS/OPL	1	0%	1	EA	\$ 120.00	\$ 100.00	\$ 120.00	\$ 220.00	\$ 220.00
8	D-EM: Downlight - Ceiling Mounted (Lobby) W/ Battery Pack MFG: MOLTO LUCE LIGHTING #220-04971915adusa	3	0%	3	EA	\$ 120.00	\$ 300.00	\$ 360.00	\$ 220.00	\$ 660.00
9	E: Wall Sconce (Support Spaces) MFG: Global Lux Lighting # LWLV-2-34-MVD-840-MOSB-EML8	5	0%	5	EA	\$ 50.00	\$ 100.00	\$ 250.00	\$ 500.00	\$ 150.00
10	E-EM: Wall Sconce (Support Spaces) W/ Battery Pack MFG: Global Lux Lighting # LWLV-2-34-MVD-840-MOSB-EML8	28	0%	28	EA	\$ 50.00	\$ 100.00	\$ 1,400.00	\$ 2,800.00	\$ 150.00
11	G: Downlight - Recessed (Res. Bathroom) MFG: WILLIAMS LIGHTING #L45-L30C/935-SG/M-WET/MWT-DRV-120	16	0%	16	EA	\$ 120.00	\$ 1,600.00	\$ 1,920.00	\$ 220.00	\$ 3,520.00
12	H (15 EA): Under Cabinet Strip Light (Res. Kitchen) MFG: TECH LIGHTING #700CF-13-9-2w-LED	123	0%	123.27	FT	\$ 25.00	\$ 12,327.00	\$ 3,081.75	\$ 125.00	\$ 15,408.75
13	I: LED wall Luminaire - shielded on one side (Exterior Wall) MFG: BEGA # 33 384	6	0%	6	EA	\$ 120.00	\$ 600.00	\$ 720.00	\$ 220.00	\$ 1,320.00
14	J: LED ceiling and wall Luminaire (Exterior Canopy) MFG: BEGA # 33 680	2	0%	2	EA	\$ 120.00	\$ 200.00	\$ 240.00	\$ 220.00	\$ 440.00
15	L: Downlight - Surface Mounted (Res. Entry) MFG: WAC LIGHTING #FM-4610-30-WT	8	0%	8	EA	\$ 120.00	\$ 800.00	\$ 960.00	\$ 220.00	\$ 1,760.00
LIGHTING CONTROLS										
1	100VA Inverter. BODINE ELI-S-100 Or Similar	4	0%	4	EA	\$ 100.00	\$ 350.00	\$ 400.00	\$ 1,400.00	\$ 450.00
2	20A, 277V, Single Pole Toggle Switch	4	0%	4	EA	\$ 10.00	\$ 30.00	\$ 40.00	\$ 120.00	\$ 40.00
3	250V Inverter For Emergency Fixtures. BODINE ELI-S-250 Or Similar	1	0%	1	EA	\$ 100.00	\$ 400.00	\$ 100.00	\$ 400.00	\$ 500.00
4	Astronomical Time Clock	2	0%	2	EA	\$ 20.00	\$ 50.00	\$ 40.00	\$ 100.00	\$ 70.00
5	Ceiling Mounted WATTSTOPPER DW-100 Multi-Tehnology Designer Switch Occupancy 2000SF W/ 20A Power Pack	4	0%	4	EA	\$ 20.00	\$ 45.00	\$ 80.00	\$ 180.00	\$ 65.00
6	Fan Switch	26	0%	26	EA	\$ 10.00	\$ 15.00	\$ 260.00	\$ 390.00	\$ 25.00
7	Photocell	1	0%	1	EA	\$ 50.00	\$ 100.00	\$ 50.00	\$ 100.00	\$ 150.00
8	Single Pole Toggle Switch	41	0%	41	EA	\$ 10.00	\$ 30.00	\$ 410.00	\$ 1,230.00	\$ 40.00
9	Wall Mounted Manual On Switch/Vacancy Sensor W/ 0-10V Dimmer-PW-311 or Similar	10	0%	10	EA	\$ 20.00	\$ 50.00	\$ 200.00	\$ 500.00	\$ 70.00
FIRE ALARM										
CONDUITS										
1	3/4" EMT Conduit	978	10%	1075.8	FT	\$ 6.58	\$ 1.51	\$ 7,075.18	\$ 1,628.76	\$ 8.09
2	3/4" RGS Conduit	88	10%	96.272	FT	\$ 6.58	\$ 2.60	\$ 633.15	\$ 250.31	\$ 9.18
3	1" RMC Conduit	68	0%	68.42	EA	\$ 7.50	\$ 3.20	\$ 513.15	\$ 218.94	\$ 10.70
CONDUCTORS										
1	#14 CU THHN	2038	10%	2241.8	FT	\$ 6.50	\$ 10.00	\$ 14,571.70	\$ 22,418.00	\$ 16.50
2	#12 CU THHN	80	10%	88	FT	\$ 4.50	\$ 8.30	\$ 396.00	\$ 730.40	\$ 12.80
3	#8 CU THHN	68	10%	75.262	FT	\$ 4.00	\$ 7.90	\$ 301.05	\$ 594.57	\$ 11.90
4	#6 CU THHN	273.68	10%	301.048	FT	3/5	\$ 7.30	\$ 180.63	\$ 2,197.65	\$ 7.90
DEVICES										
1	Central Office Transmitter Panel	1	0%	1	EA	\$ 500.00	\$ 2,000.00	\$ 500.00	\$ 2,000.00	\$ 2,500.00
2	Combination Smoke/Carbon Monoxide Detector. 120V Battery Backup	26	0%	26	EA	\$ 200.00	\$ 500.00	\$ 5,200.00	\$ 13,000.00	\$ 700.00
3	Control module	3	0%	3	EA	\$ 257.60	\$ 729.00	\$ 772.80	\$ 2,187.00	\$ 986.60
4	Fire Alarm Carbon Monoxide Detector	7	0%	7	EA	\$ 100.00	\$ 350.00	\$ 700.00	\$ 2,450.00	\$ 450.00
5	Fire Alarm Control panel	1	0%	1	EA	\$ 257.60	\$ 777.65	\$ 257.60	\$ 777.65	\$ 1,035.25
6	Fire Alarm Fused Disconnect Switch	1	0%	1	EA	\$ 30.00	\$ 100.00	\$ 30.00	\$ 100.00	\$ 130.00
7	Fire Alarm Pull Station	1	0%	1	EA	\$ 120.00	\$ 340.00	\$ 120.00	\$ 340.00	\$ 460.00
8	Fire Alarm Relay	4	0%	4	EA	\$ 150.00	\$ 200.00	\$ 600.00	\$ 800.00	\$ 350.00
9	Fire Alarm Smoke Damper	8	0%	8	EA	\$ 100.00	\$ 250.00	\$ 800.00	\$ 2,000.00	\$ 350.00
10	Fire Alarm Smoke Detector	10	0%	10	EA	\$ 100.00	\$ 300.00	\$ 1,000.00	\$ 3,000.00	\$ 400.00
11	Fire Alarm Sprinkler Tamper Switch	17	0%	17	EA	\$ 30.00	\$ 70.00	\$ 510.00	\$ 1,190.00	\$ 100.00
12	Fire Alarm Sprinkler Water Flow Switch	7	0%	7	EA	\$ 30.00	\$ 70.00	\$ 210.00	\$ 490.00	\$ 100.00
13	Fire Alarm Telephone Jack	1	0%	1	EA	\$ 50.00	\$ 90.00	\$ 50.00	\$ 90.00	\$ 140.00
14	Fire Alarm Thermal/Heat detector	8	0%	8	EA	\$ 100.00	\$ 350.00	\$ 800.00	\$ 2,800.00	\$ 450.00
15	Fire Alarm Weather Proof Duct Smoke Detector	1	0%	1	EA	\$ 100.00	\$ 400.00	\$ 100.00	\$ 400.00	\$ 500.00
16	Monitor Module	27	0%	27	EA	\$ 200.00	\$ 500.00	\$ 5,400.00	\$ 13,500.00	\$ 700.00
17	Remote Annunciator	1	0%	1	EA	\$ 100.00	\$ 650.00	\$ 100.00	\$ 650.00	\$ 750.00
18	Smoke Detector For Elevator Control	7	0%	7	EA	\$ 100.00	\$ 300.00	\$ 700.00	\$ 2,100.00	\$ 400.00
19	Weatherproof Control Module	1	0%	1	EA	\$ 100.00	\$ 550.00	\$ 100.00	\$ 550.00	\$ 650.00
20	Sprinkler Booster Pump Controller	1	0%	1	EA	\$ 200.00	\$ 1,200.00	\$ 200.00	\$ 1,200.00	\$ 1,400.00

TELECOMMUNICATION											
CONDUITS											
1	2" Empty EMT Conduit W/ Drag lines and Cap	308	10%	339.141	FT	\$ 8.50	\$ 4.20	\$ 2,882.70	\$ 1,424.39	\$ 12.70	\$ 4,307.09
CONDUCTORS											
1	CAT 3	43	10%	46.75	FT	\$ 6.50	\$ 8.00	\$ 303.88	\$ 374.00	\$ 14.50	\$ 677.88
2	CAT 5E	107	10%	117.491	FT	\$ 6.50	\$ 9.00	\$ 763.69	\$ 1,057.42	\$ 15.50	\$ 1,821.11
3	CAT 6 W/ 3'-0" Slack	667	10%	733.7	FT	\$ 6.50	\$ 10.40	\$ 4,769.05	\$ 7,630.48	\$ 16.90	\$ 12,399.53
4	#18 Twisted Unshielded Pair	254	10%	279.884	FT	\$ 6.70	\$ 4.30	\$ 1,875.22	\$ 1,203.50	\$ 11.00	\$ 3,078.72
DEVICES											
1	RJ 45 Jack	23	0%	23	EA	\$ 4.00	\$ 3.00	\$ 92.00	\$ 69.00	\$ 7.00	\$ 161.00
2	Combination Voice/Data Outlet.	3	0%	3	EA	\$ 15.00	\$ 55.00	\$ 45.00	\$ 165.00	\$ 70.00	\$ 210.00
3	Television Outlet	10	0%	10	EA	\$ 15.00	\$ 45.00	\$ 150.00	\$ 450.00	\$ 60.00	\$ 600.00
4	Voice Outlet	10	0%	10	EA	\$ 15.00	\$ 45.00	\$ 150.00	\$ 450.00	\$ 60.00	\$ 600.00
SECURITY SYSTEM											
CONDUITS											
1	3/4" EMT Conduit	330	10%	363.528	FT	\$ 6.58	\$ 1.51	\$ 2,390.80	\$ 550.38	\$ 8.09	\$ 2,941.18
CONDUCTORS											
1	CAT 6	330	10%	363.528	FT	\$ 6.50	\$ 10.40	\$ 2,362.93	\$ 3,780.69	\$ 16.90	\$ 6,143.62
DEVICES											
1	Dome Light For Intercom	6	0%	6	EA	\$ 70.00	\$ 150.00	\$ 420.00	\$ 900.00	\$ 220.00	\$ 1,320.00
2	Intercom Station	12	0%	12	EA	\$ 300.00	\$ 700.00	\$ 3,600.00	\$ 8,400.00	\$ 1,000.00	\$ 12,000.00
3	Illuminated Door Bell Push Button	3	0%	3	EA	\$ 50.00	\$ 130.00	\$ 150.00	\$ 390.00	\$ 180.00	\$ 540.00
4	Plug In Wall Mounted Transformer. Provide Transformer and 120VAC Duplex Receptacle Transformer To Be Manufactured By ALPHA Communication Model# SS105B	1	0%	1	EA	\$ 500.00	\$ 2,000.00	\$ 500.00	\$ 2,000.00	\$ 2,500.00	\$ 2,500.00
5	Digital Video Surveillance Recorder	1	0%	1	EA	\$ 450.00	\$ 1,230.00	\$ 450.00	\$ 1,230.00	\$ 1,680.00	\$ 1,680.00
6	Door Entry Panel For Intercom System	1	0%	1	EA	\$ 50.00	\$ 150.00	\$ 50.00	\$ 150.00	\$ 200.00	\$ 200.00
7	Electric Door Strike	1	0%	1	EA	\$ 30.00	\$ 100.00	\$ 30.00	\$ 100.00	\$ 130.00	\$ 130.00
8	Power Distribution Panel 12VDC/24VAC	1	0%	1	EA	\$ 1,000.00	\$ 3,500.00	\$ 1,000.00	\$ 3,500.00	\$ 4,500.00	\$ 4,500.00
9	Security Camera	16	0%	16	EA	\$ 450.00	\$ 740.00	\$ 7,200.00	\$ 11,840.00	\$ 1,190.00	\$ 19,040.00
DISCONNECT SWITCH											
1	Fused Disconnect Switch 100A, 80AF, 3P, NEMA 1, Provide J-class Fuse	1	0%	1	EA	\$ 30.00	\$ 150.00	\$ 30.00	\$ 150.00	\$ 180.00	\$ 180.00
2	Fused Disconnect Switch 30A, 15AF, 2P, NEMA 1, Provide Class J Fuse	1	0%	1	EA	\$ 30.00	\$ 130.00	\$ 30.00	\$ 130.00	\$ 160.00	\$ 160.00
3	Fused Disconnect Switch 30A, 20AF, 2P, NEMA 3R	4	0%	4	EA	\$ 30.00	\$ 140.00	\$ 120.00	\$ 560.00	\$ 170.00	\$ 680.00
4	Non Fused Disconnect Switch 15A, 3P, NEMA 1	1	0%	1	EA	\$ 30.00	\$ 165.00	\$ 30.00	\$ 165.00	\$ 195.00	\$ 195.00
5	Non Fused Disconnect Switch 20A, 3P, NEMA 3R	1	0%	1	EA	\$ 30.00	\$ 180.00	\$ 30.00	\$ 180.00	\$ 210.00	\$ 210.00
6	Non Fused Disconnect Switch 30A, 1P, NEMA 3R	3	0%	3	EA	\$ 30.00	\$ 200.00	\$ 90.00	\$ 600.00	\$ 230.00	\$ 690.00
7	Non Fused Disconnect Switch 30A, 3P, NEMA 1	2	0%	2	EA	\$ 30.00	\$ 200.00	\$ 60.00	\$ 400.00	\$ 230.00	\$ 460.00
8	Non Fused Disconnect Switch 50A, 3P, NEMA 1	1	0%	1	EA	\$ 30.00	\$ 250.00	\$ 30.00	\$ 250.00	\$ 280.00	\$ 280.00
MISCELLANEOUS											
1	12"x12"x12" Pull Box For Tele/data	15	0%	15	EA	\$ 40.00	\$ 150.00	\$ 600.00	\$ 2,250.00	\$ 190.00	\$ 2,850.00
2	Junction Box, Ceiling Mounted	43	0%	43	EA	\$ 450.00	\$ 1,000.00	\$ 19,350.00	\$ 43,000.00	\$ 1,450.00	\$ 62,350.00
3	Pull Box	5	0%	5	EA	\$ 40.00	\$ 150.00	\$ 200.00	\$ 750.00	\$ 190.00	\$ 950.00
4	Wall Mounted Junction Box	4	0%	4	EA	\$ 450.00	\$ 1,000.00	\$ 1,800.00	\$ 4,000.00	\$ 1,450.00	\$ 5,800.00
5	Wall Mounted Junction Box For Controllers	2	0%	2	EA	\$ 450.00	\$ 1,000.00	\$ 900.00	\$ 2,000.00	\$ 1,450.00	\$ 2,900.00
6	Locking Square Washer and Nuts	2	0%	2	EA	\$ 500.00	\$ 1,500.00	\$ 1,000.00	\$ 3,000.00	\$ 2,000.00	\$ 4,000.00
FIRESTOPPING											
1	3M Fire Barrier	27	0%	27	LFT	\$ 0.50	\$ 0.70	\$ 13.50	\$ 18.90	\$ 1.20	\$ 32.40
2	Sealant	22	0%	22	LFT	\$ 0.50	\$ 0.70	\$ 11.00	\$ 15.40	\$ 1.20	\$ 26.40
TOTAL MATERIAL COST									\$ 44,439.15		
TOTAL MANHOURS' COST									\$ 62,661.03		
TOTAL COST									\$ 107,100.17		
OVERHEADS & PROFIT									20%		\$ 21,420.03
TOTAL BID									\$ 128,520.21		
SCOPE OF ESTIMATE:											
1	SUPPLY & INSTALLATION										
1	Distribution										
2	Receptacles & Switches										
3	Lighting & Lighting Controls										
4	Fire Alarm										
5	Security System										
6	Telecommunication										
7	Disconnect Switches										
8	Miscellaneous										
9	Fire Stopping										