

SR No	Description of Item	Unit	Qty	Material cost (\$)	Unit Labor Hours	Total Labor Hours	Labor Rate (\$)	Total Material cost (\$)	Total Labor cost (\$)	Overhead Cost (20% on Material)	Total Cost
Item A Demolition Scope											
GROUND FLOOR											
A.1	NOTE 5 - FLOOR BOX	EA	4	\$ -	2.00	8.00	\$ 85.00	\$ -	\$ 680.00	\$ -	\$680.00
A.2	NOTE 6 - LIGHT	EA	14	\$ -	0.80	11.20	\$ 85.00	\$ -	\$ 952.00	\$ -	\$952.00
A.3	NOTE 13 - LIGHTING SWITCH	EA	3	\$ -	0.50	1.50	\$ 85.00	\$ -	\$ 127.50	\$ -	\$127.50
A.4	NOTE 16 - RECEPTACLE	EA	16	\$ -	0.80	12.80	\$ 85.00	\$ -	\$ 1,088.00	\$ -	\$1,088.00
A.5	NOTE 1 - DEVICE BOXES, WIRE, CONDUIT AND FACE PLATES LOCATED IN WALL	EA	15	\$ -	2.00	30.00	\$ 85.00	\$ -	\$ 2,550.00	\$ -	\$2,550.00
A.6	NOTE 9 - CONDUIT, WIRING AND DEVICE BOXES ASSOCIATED WITH DEVICE	EA	33	\$ -	2.00	66.00	\$ 85.00	\$ -	\$ 5,610.00	\$ -	\$5,610.00
A.7	NOTE 10 - CARD READER	EA	2	\$ -	0.80	1.60	\$ 85.00	\$ -	\$ 136.00	\$ -	\$136.00
A.8	NOTE 14 - LIGHTING SWITCH	EA	1	\$ -	0.50	0.50	\$ 85.00	\$ -	\$ 42.50	\$ -	\$42.50
A.9	NOTE 18 - JUNCTION BOX	EA	2	\$ -	0.50	1.00	\$ 85.00	\$ -	\$ 85.00	\$ -	\$85.00
1ST FLOOR											
A.10	NOTE 1 - DEVICE BOXES, WIRE, CONDUIT AND FACE PLATES LOCATED IN WALL	EA	6	\$ -	2.00	12.00	\$ 85.00	\$ -	\$ 1,020.00	\$ -	\$1,020.00
A.11	NOTE 2 - CONDUIT, WIRING AND DEVICE BOXES ASSOCIATED WITH DEVICE	EA	4	\$ -	2.00	8.00	\$ 85.00	\$ -	\$ 680.00	\$ -	\$680.00
A.12	NOTE 5 - LIGHT	EA	11	\$ -	0.80	8.80	\$ 85.00	\$ -	\$ 748.00	\$ -	\$748.00
A.13	NOTE 8 - QUAD RECEPTACLE AND DATA BACK	EA	1	\$ -	1.50	1.50	\$ 85.00	\$ -	\$ 127.50	\$ -	\$127.50
A.14	NOTE 14 - RECEPTACLE	EA	28	\$ -	0.80	22.40	\$ 85.00	\$ -	\$ 1,904.00	\$ -	\$1,904.00
A.15	NOTE 15 - LIGHT SWITCH	EA	1	\$ -	0.50	0.50	\$ 85.00	\$ -	\$ 42.50	\$ -	\$42.50
A.16	NOTE 17 - JUNCTION BOX	EA	2	\$ -	0.50	1.00	\$ 85.00	\$ -	\$ 85.00	\$ -	\$85.00
Total Demolition Scope Cost											\$15,878.00
Item B Supply & Installation of Light Fixtures											
B.1	A1	EA	73	\$ -	0.80	58.40	\$ 85.00	\$ -	\$ 4,964.00	\$ -	\$4,964.00
B.2	A1E	EA	5	\$ -	1.20	6.00	\$ 85.00	\$ -	\$ 510.00	\$ -	\$510.00
B.3	A1E-NL	EA	2	\$ -	1.20	2.40	\$ 85.00	\$ -	\$ 204.00	\$ -	\$204.00
B.4	A2	EA	14	\$ -	0.80	11.20	\$ 85.00	\$ -	\$ 952.00	\$ -	\$952.00
B.5	A2E	EA	4	\$ -	1.20	4.80	\$ 85.00	\$ -	\$ 408.00	\$ -	\$408.00
B.6	A2E-NL	EA	8	\$ -	1.20	9.60	\$ 85.00	\$ -	\$ 816.00	\$ -	\$816.00
B.7	B1	EA	35	\$ -	0.60	21.00	\$ 85.00	\$ -	\$ 1,785.00	\$ -	\$1,785.00
B.8	B1E	EA	22	\$ -	1.00	22.00	\$ 85.00	\$ -	\$ 1,870.00	\$ -	\$1,870.00
B.9	B1E-NL	EA	6	\$ -	1.00	6.00	\$ 85.00	\$ -	\$ 510.00	\$ -	\$510.00
B.10	B2	EA	47	\$ -	0.60	28.20	\$ 85.00	\$ -	\$ 2,397.00	\$ -	\$2,397.00
B.11	B2E	EA	8	\$ -	1.00	8.00	\$ 85.00	\$ -	\$ 680.00	\$ -	\$680.00
B.12	B2E-NL	EA	13	\$ -	1.00	13.00	\$ 85.00	\$ -	\$ 1,105.00	\$ -	\$1,105.00
B.13	B3	EA	2	\$ -	0.60	1.20	\$ 85.00	\$ -	\$ 102.00	\$ -	\$102.00
B.14	B3E	EA	2	\$ -	1.00	2.00	\$ 85.00	\$ -	\$ 170.00	\$ -	\$170.00
B.15	C1-12FT	EA	1	\$ -	1.50	1.50	\$ 85.00	\$ -	\$ 127.50	\$ -	\$127.50
B.16	C1-15FT	EA	1	\$ -	1.50	1.50	\$ 85.00	\$ -	\$ 127.50	\$ -	\$127.50
B.17	C1-24FT	EA	1	\$ -	2.50	2.50	\$ 85.00	\$ -	\$ 212.50	\$ -	\$212.50
B.18	C1-29FT	EA	1	\$ -	2.50	2.50	\$ 85.00	\$ -	\$ 212.50	\$ -	\$212.50
B.19	C2	EA	1	\$ -	1.60	1.60	\$ 85.00	\$ -	\$ 136.00	\$ -	\$136.00
B.20	D	EA	6	\$ -	2.50	15.00	\$ 85.00	\$ -	\$ 1,275.00	\$ -	\$1,275.00
B.21	D1-16FT	EA	4	\$ -	3.00	12.00	\$ 85.00	\$ -	\$ 1,020.00	\$ -	\$1,020.00
B.22	D1-3FT	EA	5	\$ -	2.50	12.50	\$ 85.00	\$ -	\$ 1,062.50	\$ -	\$1,062.50
B.23	D1-5FT	EA	1	\$ -	2.50	2.50	\$ 85.00	\$ -	\$ 212.50	\$ -	\$212.50
B.24	D1-8FT	EA	1	\$ -	2.50	2.50	\$ 85.00	\$ -	\$ 212.50	\$ -	\$212.50
B.25	D1E-3FT	EA	2	\$ -	2.50	5.00	\$ 85.00	\$ -	\$ 425.00	\$ -	\$425.00
B.26	D1E-8FT	EA	4	\$ -	2.50	10.00	\$ 85.00	\$ -	\$ 850.00	\$ -	\$850.00
B.27	E1-12FT	EA	1	\$ -	3.00	3.00	\$ 85.00	\$ -	\$ 255.00	\$ -	\$255.00
B.28	E1-30FT	EA	2	\$ -	3.50	7.00	\$ 85.00	\$ -	\$ 595.00	\$ -	\$595.00
B.29	E1-34FT	EA	1	\$ -	3.50	3.50	\$ 85.00	\$ -	\$ 297.50	\$ -	\$297.50
B.30	E1-32FT	EA	1	\$ -	3.50	3.50	\$ 85.00	\$ -	\$ 297.50	\$ -	\$297.50
B.31	EX1	EA	17	\$ -	0.80	13.60	\$ 85.00	\$ -	\$ 1,156.00	\$ -	\$1,156.00
B.32	EX2	EA	2	\$ -	0.80	1.60	\$ 85.00	\$ -	\$ 136.00	\$ -	\$136.00
B.33	EX3	EA	1	\$ -	0.80	0.80	\$ 85.00	\$ -	\$ 68.00	\$ -	\$68.00
B.34	F1	EA	7	\$ -	1.00	7.00	\$ 85.00	\$ -	\$ 595.00	\$ -	\$595.00
B.35	F1E-NL	EA	4	\$ -	1.50	6.00	\$ 85.00	\$ -	\$ 510.00	\$ -	\$510.00
B.36	G1-12FT 6"	EA	1	\$ -	0.80	0.80	\$ 85.00	\$ -	\$ 68.00	\$ -	\$68.00
B.37	H1	EA	3	\$ -	2.00	6.00	\$ 85.00	\$ -	\$ 510.00	\$ -	\$510.00
B.38	I1	EA	1	\$ -	1.50	1.50	\$ 85.00	\$ -	\$ 127.50	\$ -	\$127.50
B.39	J1	EA	17	\$ -	0.60	10.20	\$ 85.00	\$ -	\$ 867.00	\$ -	\$867.00
B.40	K1	EA	8	\$ -	1.60	12.80	\$ 85.00	\$ -	\$ 1,088.00	\$ -	\$1,088.00
B.41	OS1	EA	15	\$ -	0.50	7.50	\$ 85.00	\$ -	\$ 637.50	\$ -	\$637.50
B.42	OS2	EA	21	\$ -	0.50	10.50	\$ 85.00	\$ -	\$ 892.50	\$ -	\$892.50
B.43	OS3	EA	27	\$ -	0.50	13.50	\$ 85.00	\$ -	\$ 1,147.50	\$ -	\$1,147.50
B.44	PP	EA	29	\$ -	0.50	14.50	\$ 85.00	\$ -	\$ 1,232.50	\$ -	\$1,232.50
B.45	S	EA	22	\$ -	0.50	11.00	\$ 85.00	\$ -	\$ 935.00	\$ -	\$935.00
B.50	WP1E	EA	5	\$ -	2.00	10.00	\$ 85.00	\$ -	\$ 850.00	\$ -	\$850.00
B.51	WS1	EA	13	\$ -	1.20	15.60	\$ 85.00	\$ -	\$ 1,326.00	\$ -	\$1,326.00
Total Supply & Installation of Light Fixtures Cost											\$35,938.00
Item C Point Wiring (General Lighting)											
C.1	2#12AWG + #12G THWN Cable	FT	3924.11	\$ 0.78	0.018	70.63	\$ 85.00	\$ 3,060.81	\$ 6,003.89	\$ 612.16	\$9,676.86
C.2	3#10AWG + #10G THWN Cable	FT	1532.74	\$ 1.36	0.028	42.92	\$ 85.00	\$ 2,084.53	\$ 3,647.92	\$ 416.91	\$6,149.35
C.3	3/4" Conduit	FT	510.91	\$ 0.75	0.03	16.35	\$ 85.00	\$ 380.63	\$ 1,389.68	\$ 76.13	\$1,846.44
C.4	3/4" Connectors - EMT	EA	41.00	\$ 0.60	0.13	5.45	\$ 85.00	\$ 24.60	\$ 463.51	\$ 4.92	\$493.03
C.5	3/4" Coupling - EMT	EA	52.00	\$ 0.68	0.20	10.40	\$ 85.00	\$ 35.36	\$ 884.00	\$ 7.07	\$926.43
C.6	3/4" 1-H strap - STEEL	EA	41.00	\$ 0.18	0.04	1.64	\$ 85.00	\$ 7.38	\$ 139.40	\$ 1.48	\$148.26
Total Point Wiring (General Lighting) Cost											\$19,240.36
Item D Supply & Installation of Receptacles (Included back box)											
D.1	120V, DUPLEX RECEPTACLE	EA	12	\$ 3.85	0.40	4.80	\$ 85.00	\$ 46.20	\$ 408.00	\$ 9.24	\$463.44
D.2	20A, 125V, 2P DUPLEX RECEPTACLE	EA	115	\$ 3.85	0.40	46.00	\$ 85.00	\$ 442.75	\$ 3,910.00	\$ 88.55	\$4,441.30
D.3	20A, 125V, 2P, 3W DUPLEX RECEPTACLE - 6" ABOVE	EA	20	\$ 3.85	0.40	8.00	\$ 85.00	\$ 77.00	\$ 680.00	\$ 15.40	\$772.40
D.4	DISCONNECT SWITCH - 30A/1P	EA	34	\$ 108.70	1.60	54.40	\$ 85.00	\$ 3,695.80	\$ 4,624.00	\$ 739.16	\$9,058.96
D.5	FLOOR BOX WITH 2 RECEPTACLE	EA	5	\$ 86.70	2.00	10.00	\$ 85.00	\$ 433.50	\$ 850.00	\$ 86.70	\$1,370.20
D.6	FLOOR BOX WITH 2 RECEPTACLE AND DATA	EA	5	\$ 101.70	2.50	12.50	\$ 85.00	\$ 508.50	\$ 1,062.50	\$ 101.70	\$1,672.70
D.7	FLUSH MOUNTED POKE THRU DEVICE WITH 2 RECEPTACLES	EA	4	\$ 45.00	1.50	6.00	\$ 85.00	\$ 180.00	\$ 510.00	\$ 36.00	\$726.00
D.8	JUNCTION BOX	EA	6	\$ 44.75	1.00	6.00	\$ 85.00	\$ 268.50	\$ 510.00	\$ 53.70	\$832.20
D.9	PLUGMOLD	EA	2	\$ 161.06	1.50	3.00	\$ 85.00	\$ 322.12	\$ 255.00	\$ 64.42	\$641.54
D.10	QUADRAPLEX OUTLET	EA	39	\$ 39.56	0.60	23.40	\$ 85.00	\$ 1,542.84	\$ 1,989.00	\$ 308.57	\$3,840.41
D.11	TAMPER-RESISTANT DUPLEX RECEPTACLE	EA	15	\$ 44.85	0.60	9.00	\$ 85.00	\$ 672.75	\$ 765.00	\$ 134.55	\$1,572.30
D.12	Back Box	EA	201.00	\$ 15.00	0.25	50.25	\$ 85.00	\$ 3,015.00	\$ 4,271.25	\$ 603.00	\$7,889.25
D.13	Raco Box	EA	243.00	\$ 10.29	0.25	60.75	\$ 85.00	\$ 2,500.47	\$ 5,163.75	\$ 500.09	\$8,164.31
D.14	Mud rings for Raco Box	EA	243.00	\$ 2.69	0.20	48.60	\$ 85.00	\$ 653.67	\$ 4,131.00	\$ 130.73	\$4,915.40
D.15	Blank covers for Raco Box	EA	25.00	\$ 1.40	0.10	2.50	\$ 85.00	\$ 35.00	\$ 212.50	\$ 7.00	\$254.50
Total Supply & Installation of Receptacles Cost											\$46,614.92
Item E Point Wiring (Power)											
E.1	2#12AWG + #12G THWN Cable	FT	13055.21	\$ 0.78	0.018	234.99	\$ 85.00	\$ 10,183.06	\$ 19,974.47	\$ 2,036.61	\$32,194.15
E.2	3/4" Conduit	FT	4,351.74	\$ 0.75	0.03	139.26	\$ 85.00	\$ 3,242.04	\$ 11,836.72	\$ 648.41	\$15,727.18

E.3	3/4" Connectors - EMT	EA	349.00	\$ 0.60	0.13	46.42	\$ 85.00	\$ 209.40	\$ 3,945.45	\$ 41.88	\$4,196.73
E.4	3/4" Coupling - EMT	EA	436.00	\$ 0.68	0.20	87.20	\$ 85.00	\$ 296.48	\$ 7,412.00	\$ 59.30	\$7,767.78
E.5	3/4" 1-H strap - STEEL	EA	349.00	\$ 0.18	0.04	13.96	\$ 85.00	\$ 62.82	\$ 1,186.60	\$ 12.56	\$1,261.98
Total Point Wiring (General Power) Cost											\$61,147.81
Item F	Power Panels										
F.1	PANEL OCP	EA	1	\$ -	8.00	8.00	\$ 85.00	\$ -	\$ 680.00	\$ -	\$680.00
F.2	LIGHTING CONTROL PANEL - LC1	EA	1	\$ -	12.00	12.00	\$ 85.00	\$ -	\$ 1,020.00	\$ -	\$1,020.00
F.3	LIGHTING CONTROL PANEL - LC2	EA	1	\$ -	12.00	12.00	\$ 85.00	\$ -	\$ 1,020.00	\$ -	\$1,020.00
F.4	FACP	EA	1	\$ -	6.00	6.00	\$ 85.00	\$ -	\$ 510.00	\$ -	\$510.00
Total Testing & Inspection Cost											\$3,230.00
Item G	Feeder Cable supply and laying (including conduit & accessories)										
G.1	4#3, 8G THWN cable in 1 1/4" EMT Conduit	FT	35	\$ 15.68	0.170	5.95	\$ 85.00	\$ 548.66	\$ 506.11	\$ 109.73	\$1,164.50
Total Feeder Cable supply and laying Cost											\$1,164.50
Item H	COMMUNICATION SYSTEMS										
H.1	TV	EA	12	\$ 7.99	0.50	6.00	\$ 85.00	\$ 95.88	\$ 510.00	\$ 19.18	\$625.06
H.2	Data Outlet (2 nos)	EA	19	\$ 6.41	0.60	11.40	\$ 85.00	\$ 121.79	\$ 969.00	\$ 24.36	\$1,115.15
H.3	Data Outlet	EA	31	\$ 4.97	0.40	12.40	\$ 85.00	\$ 154.07	\$ 1,054.00	\$ 30.81	\$1,238.88
H.4	Data / Tele Outlet	EA	1	\$ 6.41	0.60	0.60	\$ 85.00	\$ 6.41	\$ 51.00	\$ 1.28	\$58.69
H.5	Data Outlet (4 nos)	EA	1	\$ 10.55	1.00	1.00	\$ 85.00	\$ 10.55	\$ 85.00	\$ 2.11	\$97.66
H.6	Digital Clock (owner provide)	EA	6	\$ -	1.00	6.00	\$ 85.00	\$ -	\$ 510.00	\$ -	\$510.00
H.7	WAP	EA	5	\$ 117.99	0.80	4.00	\$ 85.00	\$ 589.95	\$ 340.00	\$ 117.99	\$1,047.94
H.8	Junction Box	EA	2	\$ 44.75	1.00	2.00	\$ 85.00	\$ 89.50	\$ 170.00	\$ 17.90	\$277.40
H.9	Card Reader	EA	1	\$ 349.50	1.50	1.50	\$ 85.00	\$ 349.50	\$ 127.50	\$ 69.90	\$546.90
H.10	Camera	EA	6	\$ 169.99	1.00	6.00	\$ 85.00	\$ 1,019.94	\$ 510.00	\$ 203.99	\$1,733.93
Item I	Point Wiring (COMMUNICATION)										
I.1	RJ45 KEYSTONE	FT	208	\$ 7.95	0.067	13.87	\$ 85.00	\$ 1,653.60	\$ 1,178.67	\$ 330.72	\$3,162.99
I.2	24 PORT CAT6 PATCH PANEL	FT	18	\$ 134.00	2.000	36.00	\$ 85.00	\$ 2,412.00	\$ 3,060.00	\$ 482.40	\$5,954.40
I.3	CAT6 WIRE	FT	18078.78	\$ 0.34	0.007	126.55	\$ 85.00	\$ 6,146.79	\$ 10,756.87	\$ 1,229.36	\$18,133.02
I.4	Coax Cable	FT	1960.13	\$ 0.38	0.007	13.72	\$ 85.00	\$ 744.85	\$ 1,166.28	\$ 148.97	\$2,060.10
I.5	2" J-HOOKS	FT	407	\$ 2.80	0.025	10.18	\$ 85.00	\$ 1,138.79	\$ 864.88	\$ 227.76	\$2,231.42
Total Low Voltage Cost											\$38,793.53
Item J	FIRE ALARM SYSTEMS										
J.1	Horn/ Strobe (15cd)	EA	20	\$ 108.24	0.800	16.00	\$ 85.00	\$ 2,164.80	\$ 1,360.00	\$ 432.96	\$3,957.76
J.2	Horn/ Strobe (30 cd)	EA	4	\$ 162.80	0.800	3.20	\$ 85.00	\$ 651.20	\$ 272.00	\$ 130.24	\$1,053.44
J.3	Horn/ Strobe (75cd)	EA	4	\$ 212.50	0.800	3.20	\$ 85.00	\$ 850.00	\$ 272.00	\$ 170.00	\$1,292.00
J.4	Duct Detector	EA	2	\$ 178.39	1.250	2.50	\$ 85.00	\$ 356.78	\$ 212.50	\$ 71.36	\$640.64
J.5	Smoke Detector	EA	8	\$ 51.99	0.600	4.80	\$ 85.00	\$ 415.92	\$ 408.00	\$ 83.18	\$907.10
J.6	Pull Station	EA	2	\$ 59.99	2.000	4.00	\$ 85.00	\$ 119.98	\$ 340.00	\$ 24.00	\$483.98
Item K	Point Wiring (Fire Alarm)										
K.1	FA Cable	FT	3153.51	\$ 0.34	0.009	28.38	\$ 85.00	\$ 1,072.19	\$ 2,412.44	\$ 214.44	\$3,699.07
K.2	3/4" EMT Conduit	FT	1705	\$ 0.75	0.03	54.56	\$ 85.00	\$ 1,270.23	\$ 4,637.60	\$ 254.05	\$6,161.87
K.3	3/4" Connectors - EMT	EA	137.00	\$ 0.60	0.13	18.22	\$ 85.00	\$ 82.20	\$ 1,548.79	\$ 16.44	\$1,647.43
K.4	3/4" Coupling - EMT	EA	171.00	\$ 0.68	0.20	34.20	\$ 85.00	\$ 116.28	\$ 2,907.00	\$ 23.26	\$3,046.54
K.5	3/4" 1-H strap - STEEL	EA	137.00	\$ 0.18	0.04	5.48	\$ 85.00	\$ 24.66	\$ 465.80	\$ 4.93	\$495.39
Total Fire Alarm Cost											\$23,385.21
Item H	Testing & Inspection										
H.1	Final Testing & Inspection of the complete electrical system	Item	1.00	\$ 5,000.00	32.00	32.00	\$ 85.00	\$ 5,000.00	\$ 1,500.00	\$ 1,000.00	\$7,500.00
H.2	Feeder Cable & Electrical Panel Termination accessories	Item	1.00	\$ 500.00	4.00	4.00	\$ 85.00	\$ 500.00	\$ 340.00	\$ 100.00	\$940.00
H.3	Other Miscellaneous Cost	Item	1.00	\$ 1,750.00	24.00	24.00	\$ 85.00	\$ 1,750.00	\$ 1,000.00	\$ 350.00	\$3,100.00
Total Testing & Inspection Cost											\$11,540.00
TOTAL MATERIAL COST											\$ 63,437.72
TOTAL LABOR COST											\$ 180,807.06
TOTAL LABOR HOURS											2153.73
OVERHEAD COST (20%)											\$12,687.54
PROJECT MANAGEMENT COST (5%)											\$ 12,212.24
TOTAL COST PRIOR TAX											\$ 271,298.29

SCOPE OF ESTIMATE:

- I SUPPLY & INSTALLATION
 - 1 Electrical Point Wiring
 - 2 Light fittings & power outlets

EXCLUSIONS FROM ESTIMATE:

- 1 Low voltage & Fire Alarm systems not included in the scope
- 2 Supply & Installation of Mechanical & Low Voltage system equipment (RTU-1, RTU-2, RTU-3, RTU-4, & Rack A)

- III LABOR RATE ESTIMATE
ELECTRICIAN BASE WAGE \$ 85.00