

PROJECT:

ADDRESS:

DATE: 06/10/2021

REV:

LABOR RATE \$ 75

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	UNIT	MATERIAL COST	LABOR RATE	LABOR	UNIT	TOTAL LABOR	LABOR COST	TOTAL COST
NEW WORK														
DISTRIBUTION														
CONDUITS														
1	2" PVC SCH 40 Conduit (Assumed Size and Length for 200A Panel)	20	10%	22	FT	\$ 116.73	C	\$ 26	\$ 75	2.5	C	0.55	\$ 41	\$ 67
	2" LOCKNUT - STEEL	1	0%	1	EA	\$ 225.41	C	\$ 2	\$ 75	3.4	C	0.03	\$ 3	\$ 5
	2" COUPLING - PVC	1	0%	1	EA	\$ 135.06	C	\$ 1	\$ 75	0.07	E	0.07	\$ 5	\$ 7
	2" ADAPTER FEM - PVC	1	0%	1	EA	\$ 183.90	C	\$ 2	\$ 75	0.09	E	0.09	\$ 7	\$ 9
STUBS														
1	2" RGS Conduit Stub (For PVC SCH 40 Conduit)	2	0%	2	EA	\$ 3,962.70	C	\$ 79	\$ 75	50	C	1.00	\$ 75	\$ 154
CONDUCTORS														
1	#6 CU THHN/THWN (Assumed Size and Length for 200A Panel)	20	10%	22	FT	\$ 1,082.87	M	\$ 24	\$ 75	6	M	0.13	\$ 10	\$ 34
2	#3/0 CU THHN/THWN (Assumed Size and Length for 200A Panel)	80	10%	88	FT	\$ 6,001.24	M	\$ 528	\$ 75	16	M	1.41	\$ 106	\$ 634
TERMINATIONS														
1	Compression Lug CU With 1-Hole, #6 CU Wire	2	0%	2	EA	\$ 3.56	E	\$ 7	\$ 75	13	C	0.26	\$ 20	\$ 27
	Heat Shrink Tubing for #6 CU Wire	2	0%	2	EA	\$ 7.52	E	\$ 15	\$ 75	14	C	0.28	\$ 21	\$ 36
2	Compression Lugs CU With 1-Hole, #3/0 CU Wire	8	0%	8	EA	\$ 12.46	E	\$ 100	\$ 75	28	C	2.24	\$ 168	\$ 268
	Heat Shrink Tubing For #3/0 CU Wire	8	0%	8	EA	\$ 17.07	E	\$ 137	\$ 75	28	C	2.24	\$ 168	\$ 305
CIRCUIT BREAKERS														
1	1P/20A Breaker (Assumed Size And Quantity)	26	0%	26	EA		E	\$ -	\$ 75	0.15	E	3.90	\$ 293	\$ 293
2	1P/20A Breaker AFCI Type (Assumed Size And Quantity)	15	0%	15	EA		E	\$ -	\$ 75	0.25	E	3.75	\$ 281	\$ 281
3	1P/30A Breaker (Assumed Size And Quantity)	1	0%	1	EA		E	\$ -	\$ 75	0.15	E	0.15	\$ 11	\$ 11
4	3P/200A MCB (Assumed Size And Quantity)	1	0%	1	EA		E	\$ -	\$ 75	1.2	E	1.20	\$ 90	\$ 90
PANELS														
1	200A Service Panel (No Other Information Provided)	1	0%	1	EA		E	\$ -	\$ 75	4	E	4.00	\$ 300	\$ 300
DISCONNECT SWITCH														
1	220V Disconnect Switch, Rating Not Mentioned	1	0%	1	EA		E	\$ -	\$ 75	0.5	E	0.50	\$ 38	\$ 38
GROUNDING														
1	#4 Grounding Wire	20	10%	22	FT	\$ 1,657.10	M	\$ 36	\$ 75	9	M	0.20	\$ 15	\$ 51
SWITCHGEAR QUOTE														
		1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
RECEPTACLES & SWITCHES														
CONDUCTORS														
1	3#12 Romex Cable	2941	10%	3235	FT	\$ 581.01	M	\$ 1,879	\$ 75	10	M	32.35	\$ 2,426	\$ 4,305
2	3#10 Romex Cable	773	10%	850	FT	\$ 886.34	M	\$ 754	\$ 75	13	M	11.05	\$ 829	\$ 1,583
DEVICES														
1	110V Duplex Outlet	55	0%	55	EA	\$ 1,968.00	C	\$ 1,082	\$ 75	20	C	11.00	\$ 825	\$ 1,907
	4 x 1 1/2" SQ NM BOX	55	0%	55	EA	\$ 242.79	C	\$ 134	\$ 75	12.5	C	6.88	\$ 516	\$ 649
	4" SQ NM 1G PLSTR RING 3/8" RISE	55	0%	55	EA	\$ 109.66	C	\$ 60	\$ 75	1.5	C	0.83	\$ 62	\$ 122
	GROUND SCREW W/ INSUL #12 LEAD	55	0%	55	EA	\$ 402.86	C	\$ 222	\$ 75	1.5	C	0.83	\$ 62	\$ 283
	#10x 3/4 P/H SELF-TAP SCREW	110	0%	110	EA	\$ 9.09	C	\$ 10	\$ 75	1.4	C	1.54	\$ 116	\$ 125
	1G DUPLEX REC PLATE - PLASTIC IVY	55	0%	55	EA	\$ 53.24	C	\$ 29	\$ 75	1.3	C	0.72	\$ 54	\$ 83
2	110V Duplex Outlet, Tamper Resistant	1	0%	1	EA	\$ 2,489.52	C	\$ 25	\$ 75	20	C	0.20	\$ 15	\$ 40
	4 x 1 1/2" SQ NM BOX	1	0%	1	EA	\$ 242.79	C	\$ 2	\$ 75	12.5	C	0.13	\$ 9	\$ 12
	4" SQ NM 1G PLSTR RING 3/8" RISE	1	0%	1	EA	\$ 109.66	C	\$ 1	\$ 75	1.5	C	0.02	\$ 1	\$ 2
	GROUND SCREW W/ INSUL #12 LEAD	1	0%	1	EA	\$ 402.86	C	\$ 4	\$ 75	1.5	C	0.02	\$ 1	\$ 5
	#10x 3/4 P/H SELF-TAP SCREW	2	0%	2	EA	\$ 9.09	C	\$ 0	\$ 75	1.4	C	0.03	\$ 2	\$ 2
	1G DUPLEX REC PLATE - PLASTIC IVY	1	0%	1	EA	\$ 53.24	C	\$ 1	\$ 75	1.3	C	0.01	\$ 1	\$ 2
3	110V Duplex Outlet, GFI	32	0%	32	EA	\$ 2,672.00	C	\$ 855	\$ 75	25	C	8.00	\$ 600	\$ 1,455
	4 x 1 1/2" SQ NM BOX	32	0%	32	EA	\$ 242.79	C	\$ 78	\$ 75	12.5	C	4.00	\$ 300	\$ 378
	4" SQ NM 1G PLSTR RING 3/8" RISE	32	0%	32	EA	\$ 109.66	C	\$ 35	\$ 75	1.5	C	0.48	\$ 36	\$ 71
	GROUND SCREW W/ INSUL #12 LEAD	32	0%	32	EA	\$ 402.86	C	\$ 129	\$ 75	1.5	C	0.48	\$ 36	\$ 165
	#10x 3/4 P/H SELF-TAP SCREW	64	0%	64	EA	\$ 9.09	C	\$ 6	\$ 75	1.4	C	0.90	\$ 67	\$ 73
	1G DUPLEX REC PLATE - PLASTIC IVY	32	0%	32	EA	\$ 53.24	C	\$ 17	\$ 75	1.3	C	0.42	\$ 31	\$ 48
4	110V Duplex Outlet, GFI, WP	5	0%	5	EA	\$ 2,672.00	C	\$ 134	\$ 75	25	C	1.25	\$ 94	\$ 227
	4 x 1 1/2" SQ NM BOX	5	0%	5	EA	\$ 242.79	C	\$ 12	\$ 75	12.5	C	0.63	\$ 47	\$ 59
	4" SQ NM 1G PLSTR RING 3/8" RISE	5	0%	5	EA	\$ 109.66	C	\$ 5	\$ 75	1.5	C	0.08	\$ 6	\$ 11
	GROUND SCREW W/ INSUL #12 LEAD	5	0%	5	EA	\$ 402.86	C	\$ 20	\$ 75	1.5	C	0.08	\$ 6	\$ 26
	#10x 3/4 P/H SELF-TAP SCREW	10	0%	10	EA	\$ 9.09	C	\$ 1	\$ 75	1.4	C	0.14	\$ 11	\$ 11
	1G DECOR WP PLATE - DEVICE MNT VERT - ALUM	5	0%	5	EA	\$ 1,968.00	C	\$ 98	\$ 75	1.3	C	0.07	\$ 5	\$ 103
5	220V Outlet	3	0%	3	EA	\$ 2,660.00	C	\$ 80	\$ 75	20	C	0.60	\$ 45	\$ 125
	4 x 1 1/2" SQ NM BOX	3	0%	3	EA	\$ 242.79	C	\$ 7	\$ 75	12.5	C	0.38	\$ 28	\$ 35
	4" SQ NM 1G PLSTR RING 3/8" RISE	3	0%	3	EA	\$ 109.66	C	\$ 3	\$ 75	1.5	C	0.05	\$ 3	\$ 7
	GROUND SCREW W/ INSUL #12 LEAD	3	0%	3	EA	\$ 402.86	C	\$ 12	\$ 75	1.5	C	0.05	\$ 3	\$ 15
	#10x 3/4 P/H SELF-TAP SCREW	6	0%	6	EA	\$ 9.09	C	\$ 1	\$ 75	1.4	C	0.08	\$ 6	\$ 7
	1G DUPLEX REC PLATE - PLASTIC IVY	3	0%	3	EA	\$ 53.24	C	\$ 2	\$ 75	1.3	C	0.04	\$ 3	\$ 5
6	Exhaust Fan 50CFM rate	6	0%	6	EA		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
	Equipment Connection	6	0%	6	EA	\$ 20.99	E	\$ 126	\$ 75	0.5	E	3.00	\$ 225	\$ 351
LIGHTING														

CONDUCTORS														
1	3#12 Romex Cable	3203	10%	3523	FT	\$ 581.01	M	\$ 2,047	\$ 75	10	M	35.23	\$ 2,642	\$ 4,689
LIGHTING FIXTURES														
1	4' High Efficiency Fluorescent Light Fixture	3	0%	3	EA		E	\$ -	\$ 75	0.5	E	1.50	\$ 113	\$ 113
2	Attic Light At HVAC	1	0%	1	EA		E	\$ -	\$ 75	0.6	E	0.60	\$ 45	\$ 45
3	Paddle fan W/ Light Fixture Min. 7'-0" To Blades	7	0%	7	EA		E	\$ -	\$ 75	1.2	E	8.40	\$ 630	\$ 630
4	Recessed High Efficiency Fixture	57	0%	57	EA		E	\$ -	\$ 75	0.5	E	28.50	\$ 2,138	\$ 2,138
5	Recessed High Efficiency Fixture, W/ Vacancy Sensor (V written In Subscript)	5	0%	5	EA		E	\$ -	\$ 75	0.5	E	2.50	\$ 188	\$ 188
6	Surface mount Fixture W/ Vacancy Sensor (V written In Subscript)	1	0%	1	EA		E	\$ -	\$ 75	0.5	E	0.50	\$ 38	\$ 38
7	Surface Mount Light Fixture	17	0%	17	EA		E	\$ -	\$ 75	0.5	E	8.50	\$ 638	\$ 638
LIGHTING CONTROLS														
1	1-Way Switch	48	0%	48	EA		E	\$ -	\$ 75	14	C	6.72	\$ 504	\$ 504
	4 x 1 1/2" SQ NM BOX	48	0%	48	EA	\$ 242.79	C	\$ 117	\$ 75	12.5	C	6.00	\$ 450	\$ 567
	4" SQ NM 1G PLSTR RING 3/8" RISE	48	0%	48	EA	\$ 109.66	C	\$ 53	\$ 75	1.5	C	0.72	\$ 54	\$ 107
	GROUND SCREW W/ INSUL #12 LEAD	48	0%	48	EA	\$ 402.86	C	\$ 193	\$ 75	1.5	C	0.72	\$ 54	\$ 247
	#8 x 3/4 P/H SELF-TAP SCREW	96	0%	96	EA	\$ 8.06	C	\$ 8	\$ 75	1.2	C	1.15	\$ 86	\$ 94
	1G TGL SWITCH PLATE - PLASTIC IVY	48	0%	48	EA	\$ 53.24	C	\$ 26	\$ 75	1.5	C	0.72	\$ 54	\$ 80
2	3-Way Switch	6	0%	6	EA		E	\$ -	\$ 75	20	C	1.20	\$ 90	\$ 90
	4 x 1 1/2" SQ NM BOX	6	0%	6	EA	\$ 242.79	C	\$ 15	\$ 75	12.5	C	0.75	\$ 56	\$ 71
	4" SQ NM 1G PLSTR RING 3/8" RISE	6	0%	6	EA	\$ 109.66	C	\$ 7	\$ 75	1.5	C	0.09	\$ 7	\$ 13
	GROUND SCREW W/ INSUL #12 LEAD	6	0%	6	EA	\$ 402.86	C	\$ 24	\$ 75	1.5	C	0.09	\$ 7	\$ 31
	#8 x 3/4 P/H SELF-TAP SCREW	12	0%	12	EA	\$ 8.06	C	\$ 1	\$ 75	1.2	C	0.14	\$ 11	\$ 12
	1G TGL SWITCH PLATE - PLASTIC IVY	6	0%	6	EA	\$ 53.24	C	\$ 3	\$ 75	1.5	C	0.09	\$ 7	\$ 10
3	Rheostat (Dimmer)	5	0%	5	EA		E	\$ -	\$ 75	0.22	E	1.10	\$ 83	\$ 83
	4 x 1 1/2" SQ NM BOX	5	0%	5	EA	\$ 242.79	C	\$ 12	\$ 75	12.5	C	0.63	\$ 47	\$ 59
	4" SQ NM 1G PLSTR RING 3/8" RISE	5	0%	5	EA	\$ 109.66	C	\$ 5	\$ 75	1.5	C	0.08	\$ 6	\$ 11
	GROUND SCREW W/ INSUL #12 LEAD	5	0%	5	EA	\$ 402.86	C	\$ 20	\$ 75	1.5	C	0.08	\$ 6	\$ 26
	#8 x 3/4 P/H SELF-TAP SCREW	10	0%	10	EA	\$ 8.06	C	\$ 1	\$ 75	1.2	C	0.12	\$ 9	\$ 10
	1G TGL SWITCH PLATE - PLASTIC IVY	5	0%	5	EA	\$ 53.24	C	\$ 3	\$ 75	1.5	C	0.08	\$ 6	\$ 8
4	Astronomical Time clock	1	0%	1	EA		E	\$ -	\$ 75	1	E	1.00	\$ 75	\$ 75
5	Photocell	1	0%	1	EA		E	\$ -	\$ 75	0.24	E	0.24	\$ 18	\$ 18
	4 x 1 1/2" SQ NM BOX	1	0%	1	EA	\$ 242.79	C	\$ 2	\$ 75	12.5	C	0.13	\$ 9	\$ 12
	4" SQ NM 1G PLSTR RING 3/8" RISE	1	0%	1	EA	\$ 109.66	C	\$ 1	\$ 75	1.5	C	0.02	\$ 1	\$ 2
	GROUND SCREW W/ INSUL #12 LEAD	1	0%	1	EA	\$ 402.86	C	\$ 4	\$ 75	1.5	C	0.02	\$ 1	\$ 5
	#8 x 3/4 P/H SELF-TAP SCREW	2	0%	2	EA	\$ 8.06	C	\$ 0	\$ 75	1.2	C	0.02	\$ 2	\$ 2
	1G TGL SWITCH PLATE - PLASTIC IVY	1	0%	1	EA	\$ 53.24	C	\$ 1	\$ 75	1.5	C	0.02	\$ 1	\$ 2
LIGHTING QUOTE														
		1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
FIRE ALARM														
CONDUITS														
1	3/4" EMT Conduit	338	10%	372	FT	\$ 109.86	C	\$ 408	\$ 75	2.7	C	10.04	\$ 753	\$ 1,161
	3/4" CONN SS STL - EMT	7	0%	7	EA	\$ 201.94	C	\$ 14	\$ 75	5	C	0.35	\$ 26	\$ 40
	3/4" COUPLING SS STL - EMT	17	0%	17	EA	\$ 237.31	C	\$ 40	\$ 75	2	C	0.34	\$ 26	\$ 66
	3/4" 1-H STRAP - EMT - STEEL	23	0%	23	EA	\$ 45.52	C	\$ 10	\$ 75	3.4	C	0.78	\$ 59	\$ 69
	4x 1 1/2" SQ BOX COMB KO	4	0%	4	EA	\$ 756.54	C	\$ 30	\$ 75	12	C	0.48	\$ 36	\$ 66
	4" SQ BLANK COVER	4	0%	4	EA	\$ 281.33	C	\$ 11	\$ 75	1.5	C	0.06	\$ 5	\$ 16
	#8 TO #10 x 7/8 PLAS ANCHOR (3/16)	17	0%	17	EA	\$ 3.60	C	\$ 1	\$ 75	3	C	0.51	\$ 38	\$ 39
	#10 x 1 P/H SELF-TAP SCREW	17	0%	17	EA	\$ 12.80	C	\$ 2	\$ 75	1.5	C	0.26	\$ 19	\$ 21
CONDUCTORS														
1	#14 CU THHN/THWN	676	10%	744	FT	\$ 149.60	M	\$ 111	\$ 75	4	M	2.97	\$ 223	\$ 334
DEVICES														
1	Carbon Monoxide Alarm W/ Battery Backup	3	0%	3	EA		E	\$ -	\$ 75	0.5	E	1.50	\$ 113	\$ 113
	4x 1 1/2" SQ BOX COMB KO	3	0%	3	EA	\$ 734.50	C	\$ 22	\$ 75	12	C	0.36	\$ 27	\$ 49
	#8 TO #10 x 7/8 PLAS ANCHOR (3/16)	15	0%	15	EA	\$ 2.55	C	\$ 0	\$ 75	3	C	0.45	\$ 34	\$ 34
	#10x 1 P/H SELF-TAP SCREW	15	0%	15	EA	\$ 9.60	C	\$ 1	\$ 75	1.5	C	0.23	\$ 17	\$ 18
2	Smoke Detector W/ Battery Backup	8	0%	8	EA		E	\$ -	\$ 75	0.35	E	2.80	\$ 210	\$ 210
	4x 1 1/2" SQ BOX COMB KO	8	0%	8	EA	\$ 734.50	C	\$ 59	\$ 75	12	C	0.96	\$ 72	\$ 131
	#8 TO #10 x 7/8 PLAS ANCHOR (3/16)	40	0%	40	EA	\$ 2.55	C	\$ 1	\$ 75	3	C	1.20	\$ 90	\$ 91
	#10x 1 P/H SELF-TAP SCREW	40	0%	40	EA	\$ 9.60	C	\$ 4	\$ 75	1.5	C	0.60	\$ 45	\$ 49
FIRE ALARM QUOTE														
		1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
MISCELLANEOUS														
1	2-Gang box	1	0%	1	EA	\$ 1,169.85	C	\$ 12	\$ 75	12	C	0.12	\$ 9	\$ 21
	#8 TO #10 x 7/8 PLAS ANCHOR (3/16)	5	0%	5	EA	\$ 2.55	C	\$ 0	\$ 75	3	C	0.15	\$ 11	\$ 11
	#10x 1 P/H SELF-TAP SCREW	5	0%	5	EA	\$ 9.60	C	\$ 0	\$ 75	1.5	C	0.08	\$ 6	\$ 6
FIRESTOPPING														
1	Caulking Sealant	1	0%	1	LS	\$ 1,250.99	E	\$ 1,251	\$ 75	8	E	8.00	\$ 600	\$ 1,851
ALLOWANCES (PLEASE ADD YOUR NUMBER)														
1	Mobilization and Demobilization	1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
2	Arc Flash Study	1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
3	Protection Devices Coordination Study	1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
4	Permit and Utility Fees	1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
5	Testing and Commissioning	1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
6	Tags & Directory	1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
7	As Built Documents	1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
8	Core Drill	1	0%	1	LS		E	\$ -	\$ 75		E	0.00	\$ -	\$ -
TOTAL MATERIAL COST													\$ 11,303	
TOTAL LABOR COST													\$ 18,610	

TOTAL LABOR HOURS		248
TOTAL COST		\$ 29,912
OVERHEADS & PROFIT	25%	\$ 7,478
MATERIAL TAX	7.25%	\$ 819
TOTAL BID		\$ 38,210

SCOPE OF ESTIMATE:

1	SUPPLY & INSTALLATION
1	Distribution
2	Disconnect Switches
3	Receptacles & Switches
4	Lighting & Lighting Controls
5	Fire Alarm
6	Miscellaneous
7	Fire Stopping
8	Allowances