

Takeoff

Vendor: TARGET **Labor Level:** CONEST **18 May 2016 10:44:10**

Phase: FIXTURES

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
	0				A FIXTURE				
TITLE	12	EA	M	#12	LED ROUND-RECESS /T-BAR	0.0000	0.00	0.0000	0.00
120802	12	EA	M		LED RECESSED RND FIXTURE-LABOR	0.0000	0.00	1.2128	14.55
121206	24	EA	M		ADJ FIXTURE T-BAR HANGER SET	2.0538	49.29	0.0832	2.00
100109	12	EA	M	18-12	PSH-IN 2-WIRE CONN	0.0448	0.54	0.0277	0.33
100111	36	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	1.86	0.0416	1.50
70313	144	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	52.07	0.0252	3.63
630362	15	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	8.16	0.0444	0.67
161151	24	EA	M	7"	TIE-WRAP	0.0944	2.26	0.0277	0.67
670064	2	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	0.61	0.0693	0.14
670080	11	EA	M	3/8 (383810AST)	AC/MC DX SNAP 2-IT SCR-CLP INS	0.8180	9.00	0.0693	0.76
	6				B FIXTURE				
TITLE	6	EA	M	#12	2x2 LED LAY-IN /T-BAR	0.0000	0.00	0.0000	0.00
120784	6	EA	M	2 x 2	LED T-BAR LAY-IN FIXTURE	0.0000	0.00	0.5821	3.49
100109	6	EA	M	18-12	PSH-IN 2-WIRE CONN	0.0448	0.27	0.0277	0.17
100111	18	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	0.93	0.0416	0.75
121182	24	EA	M	515A	LAY-IN T-BAR CLIP UPTURNED LIP	0.1740	4.18	0.0416	1.00
121186	106	FT	M		DROP WIRE (COLORED)	0.0000	0.00	0.0139	1.47
70313	24	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	8.68	0.0252	0.61
630362	3	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	1.63	0.0444	0.13
161151	12	EA	M	7"	TIE-WRAP	0.0944	1.13	0.0277	0.33
670064	1	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	0.31	0.0693	0.07
670085	6	EA	M	3/8 (3838AST)	AC/MC DX SNAP 2-IT INSUL	0.8180	4.91	0.0832	0.50
	19				C AND D FIXTURE				
TITLE	19	EA	M	#12	96" LONG LED SURFACE W/LENS /T-BAR	0.0000	0.00	0.0000	0.00
120795	19	EA	M	96" LONG	LED SURFACE FIXTURE W/LENS	0.0000	0.00	1.1157	21.20
100109	19	EA	M	18-12	PSH-IN 2-WIRE CONN	0.0448	0.85	0.0277	0.53

Rav Estimating Po Box 245 **Phone:** 845-236-7356
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Phase: FIXTURES

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
100111	57	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	2.95	0.0416	2.37
630690	57	EA	M	1/4-20 x 5/8" STUD	T-BAR/ INDEPENDENT SUPT HGR	0.4846	27.62	0.1109	6.32
121186	502	FT	M		DROP WIRE (COLORED)	0.0000	0.00	0.0139	6.96
70313	228	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	82.45	0.0252	5.75
630362	23	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	12.52	0.0444	1.02
161151	38	EA	M	7"	TIE-WRAP	0.0944	3.59	0.0277	1.05
670064	2	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	0.61	0.0693	0.14
670085	18	EA	M	3/8 (3838AST)	AC/MC DX SNAP 2-IT INSUL	0.8180	14.72	0.0832	1.50
	3				E FIXTURE				
TITLE	3	EA	M	#12	48" LONG LED SURFACE W/LENS /T-BAR	0.0000	0.00	0.0000	0.00
120793	3	EA	M	48" LONG	LED SURFACE FIXTURE W/LENS	0.0000	0.00	0.8732	2.62
100109	3	EA	M	18-12	PSH-IN 2-WIRE CONN	0.0448	0.13	0.0277	0.08
100111	9	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	0.47	0.0416	0.37
630690	6	EA	M	1/4-20 x 5/8" STUD	T-BAR/ INDEPENDENT SUPT HGR	0.4846	2.91	0.1109	0.67
121186	53	FT	M		DROP WIRE (COLORED)	0.0000	0.00	0.0139	0.73
70313	36	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	13.02	0.0252	0.91
630362	92	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	50.08	0.0444	4.08
161151	152	EA	M	7"	TIE-WRAP	0.0944	14.34	0.0208	3.16
670064	8	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	2.44	0.0520	0.42
670085	69	EA	M	3/8 (3838AST)	AC/MC DX SNAP 2-IT INSUL	0.8180	56.44	0.0624	4.30
	5				EM BALLAST'S				
TITLE	5	EA	M		ADD EMERGENCY BALLAST OPTION	0.0000	0.00	0.0000	0.00
830976	5	EA	M	ELECTRONIC	EMERGENCY BALLAST FIELD INST LBR	0.0000	0.00	0.3300	1.65
TITLE	5	EA	M	#12	EXIT SIGN 2-FACE PENDANT /T-BAR	0.0000	0.00	0.0000	0.00
120819	5	EA	M		EXIT PENDANT MTD 2-FACE	0.0000	0.00	0.8177	4.09
150191	5	EA	M	1-1/2"D 15.5-CI	4" OCTAGON 1/2" KO	2.0000	10.00	0.1109	0.55
100097	5	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	1.40	0.0582	0.29
161286	5	EA	M	24"	T-BAR BOX HANGER	2.4523	12.26	0.0416	0.21
100109	5	EA	M	18-12	PSH-IN 2-WIRE CONN	0.0448	0.22	0.0277	0.14
100111	15	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	0.78	0.0416	0.62
70313	60	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	21.70	0.0252	1.51
630362	6	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	3.27	0.0444	0.27
161151	10	EA	M	7"	TIE-WRAP	0.0944	0.94	0.0277	0.28
670064	1	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	0.31	0.0693	0.07
670085	5	EA	M	3/8 (3838AST)	AC/MC DX SNAP 2-IT INSUL	0.8180	4.09	0.0832	0.42

Phase Totals: 485.96 107.03

Phase: DEVICES

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
1 OCCUPANCY									
TITLE	1	EA	M		OCCUPANCY SENSOR - MC CABLE	0.0000	0.00	0.0000	0.00
140520	1	EA	M	CI-355	PIR OCCUPANCY SENSOR CEILING MTD 1200SF	38.6400	38.64	0.3465	0.35
150205	1	EA	M	1-1/2"D 15.5-CI	4" OCTAGON BX CLAMPS	2.0000	2.00	0.1109	0.11
161286	1	EA	M	24"	T-BAR BOX HANGER	2.4523	2.45	0.0416	0.04
161084	3	EA	M	#10 x 1"	TEK SCREW	0.0218	0.07	0.0236	0.07
100085	1	EA	M	#18 to 10	WIRE-NUT SML -YELLOW	0.0465	0.05	0.0485	0.05
100087	2	EA	M	#18 to 8	WIRE-NUT MED - RED	0.0605	0.12	0.0582	0.12
70313	15	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	5.42	0.0252	0.38
630328	2	EA	M	14-2>10-3 & 3/8	MC/AC/FLEX HGR PUSH-IN MTL/WOOD/STUD	0.1819	0.36	0.0444	0.09
161084	2	EA	M	#10 x 1"	TEK SCREW	0.0218	0.04	0.0236	0.05
670027	1	EA	M	3/8	BX /MC 2-SCR SNGL STR-CONN	0.5450	0.54	0.1067	0.11
100286	2	EA	M	3/8-1/2	ANTI-SHORT	0.0003	0.00	0.0166	0.03
TITLE 1 EA M MC CABLE OCC SENSOR POWER PACK ON BAR-JOIST									
870370	1	EA	M	BZ-50	OCCUPANCY SENSOR UNIVERSAL POWER PACK	14.2800	14.28	0.2772	0.28
150006	1	EA	M	1-1/2"D	4"SQ CMB- KO NO BRKT	2.0000	2.00	0.1663	0.17
150091	1	EA	M		4"SQ BLANK CVR	1.5610	1.56	0.0416	0.04
630557	1	EA	M	1/4" FLANGE	HAMMER-ON FLANGE CLIP - 1/4-20 x 3/8 STD	0.3707	0.37	0.0416	0.04
630526	1	EA	M	1/4-20	WASHER NUT 1/4-20	0.1010	0.10	0.0277	0.03
100086	3	EA	M	#22 to 8	WIRE-NUT MED -TAN	0.0532	0.16	0.0554	0.17
100097	1	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	0.28	0.0554	0.06
70313	12	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	4.34	0.0252	0.30
630362	2	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	1.09	0.0444	0.09
670027	2	EA	M	3/8	BX /MC 2-SCR SNGL STR-CONN	0.5450	1.09	0.0854	0.17
100286	2	EA	M	3/8-1/2	ANTI-SHORT	0.0003	0.00	0.0133	0.03
1	1		M		LIGHTING CONTROL PANEL	25.0000	25.00	4.0000	4.00
2	1		M		TIME CLOCK OVERRIDE SWITCH	75.0000	75.00	0.7500	0.75
13 VACANCY WALL									
TITLE 13 EA M #12 BX OCCUPANCY SENSOR SW									
140517	13	EA	M	ODS0D-IDI	OCCUPANCY SENSOR SW DUAL-RELAY PIR 800W	39.5640	514.33	0.2640	3.43
140647	13	EA	M	1-DECORA	1G STAINLESS STEEL PLATE	0.9390	12.21	0.0528	0.69
150018	13	EA	M	1-1/2"D	4"SQ 3/4"- KO FM - BRKT	3.5000	45.50	0.1267	1.65
150061	13	EA	M	5/8"RISE 4.8-CI	1G 4"SQ PLASTER-RING	2.6792	34.83	0.0528	0.69
161084	65	EA	M	#10 x 1"	TEK SCREW	0.0218	1.41	0.0180	1.17

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100097	13	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	3.64	0.0444	0.58
100111	4	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	0.21	0.0317	0.13
100110	13	EA	M	18-12	PSH-IN 3-WIRE CONN	0.0483	0.63	0.0264	0.34
630328	32	EA	M	14-2>10-3 & 3/8	MC/AC/FLEX HGR PUSH-IN MTL/WOOD/STUD	0.1819	5.82	0.0422	1.35
670064	2	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	0.61	0.0528	0.11
670085	15	EA	M	3/8 (3838AST)	AC/MC DX SNAP 2-IT INSUL	0.8180	12.27	0.0634	0.95
TITLE	1	EA	M	#12 MC	2G 20A-COMB-TOGGLE SPEC	0.0000	0.00	0.0000	0.00
140393	2	EA	M	20A	1P TOGGLE SPECIFICATION -GRADE	7.7661	15.53	0.2376	0.48
140634	1	EA	M	2-TOGGLE	2G STAINLESS STEEL PLATE	1.8782	1.88	0.0792	0.08
150046	1	EA	M	2-1/8"D	4"SQ CMB- KO FM- BRKT	3.5000	3.50	0.1584	0.16
150070	1	EA	M	5/8"RISE 7.5-CI	2G 4"SQ PLASTER-RING	3.5757	3.58	0.0660	0.07
161084	6	EA	M	#10 x 1"	TEK SCREW	0.0218	0.13	0.0224	0.13
100097	1	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	0.28	0.0554	0.06
100111	1	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	0.05	0.0396	0.04
100110	1	EA	M	18-12	PSH-IN 3-WIRE CONN	0.0483	0.05	0.0330	0.03
70313	15	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	5.42	0.0252	0.38
630362	2	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	1.09	0.0444	0.09
630053	4	EA	M	1/2 3/4 or AC/MC	EMT SCREW-ON SUPPORT (USE W/2-1/8D BOX)	0.2192	0.88	0.0422	0.17
670064	1	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	0.31	0.0660	0.07
670085	1	EA	M	3/8 (3838AST)	AC/MC DX SNAP 2-IT INSUL	0.8180	0.82	0.0792	0.08
TITLE	18	EA	M	#12 MC	20A-1G-DX COMM	0.0000	0.00	0.0000	0.00
140016	18	EA	M	20A	DX RECEP SPECIFICATION GRADE	9.1344	164.42	0.1901	3.42
140642	18	EA	M	1-DUPLEX	1G STAINLESS STEEL PLATE	0.9390	16.90	0.0528	0.95
150015	18	EA	M	1-1/2"D	4"SQ CMB- KO FM- BRKT	3.5000	63.00	0.1267	2.28
150061	18	EA	M	5/8"RISE 4.8-CI	1G 4"SQ PLASTER-RING	2.6792	48.23	0.0528	0.95
161084	108	EA	M	#10 x 1"	TEK SCREW	0.0218	2.35	0.0180	1.94
100097	18	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	5.05	0.0444	0.80
100111	5	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	0.26	0.0317	0.16
100110	18	EA	M	18-12	PSH-IN 3-WIRE CONN	0.0483	0.87	0.0264	0.48
70313	270	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	97.64	0.0252	6.81
630362	41	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	22.32	0.0444	1.82
630328	36	EA	M	14-2>10-3 & 3/8	MC/AC/FLEX HGR PUSH-IN MTL/WOOD/STUD	0.1819	6.55	0.0422	1.52
670064	2	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	0.61	0.0528	0.11
670085	17	EA	M	3/8 (3838AST)	AC/MC DX SNAP 2-IT INSUL	0.8180	13.91	0.0634	1.08
TITLE	9	EA	M	#12 MC	20A-2G-DX-SPEC	0.0000	0.00	0.0000	0.00

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140016	18	EA	M	20A	DX RECEPT SPECIFICATION GRADE	9.1344	164.42	0.2376	4.28
140643	9	EA	M	2-DUPLEX	2G STAINLESS STEEL PLATE	1.8782	16.90	0.0792	0.71
150015	9	EA	M	1-1/2"D	4"SQ CMB- KO FM- BRKT	3.5000	31.50	0.1584	1.43
150070	9	EA	M	5/8"RISE 7.5-CI	2G 4"SQ PLASTER-RING	3.5757	32.18	0.0660	0.59
161084	63	EA	M	#10 x 1"	TEK SCREW	0.0218	1.37	0.0224	1.41
100097	9	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	2.52	0.0554	0.50
100111	3	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	0.16	0.0396	0.12
100110	9	EA	M	18-12	PSH-IN 3-WIRE CONN	0.0483	0.43	0.0330	0.30
70313	135	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	48.82	0.0252	3.41
630362	14	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	7.62	0.0444	0.62
630328	18	EA	M	14-2>10-3 & 3/8	MC/AC/FLEX HGR PUSH-IN MTL/WOOD/STUD	0.1819	3.27	0.0422	0.76
670064	18	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	5.49	0.0660	1.19
TITLE	1	EA	M	#12 MC	20A-1G-GFCI	0.0000	0.00	0.0000	0.00
140024	1	EA	M	20A	DUPLEX GFCI RECEPTACLE	7.5012	7.50	0.2904	0.29
140647	1	EA	M	1-DECORA	1G STAINLESS STEEL PLATE	0.9390	0.94	0.0660	0.07
150045	1	EA	M	2-1/8"D	4"SQ CMB- KO TS- BRKT	1.0458	1.05	0.1584	0.16
150061	1	EA	M	5/8"RISE 4.8-CI	1G 4"SQ PLASTER-RING	2.6792	2.68	0.0660	0.07
161084	6	EA	M	#10 x 1"	TEK SCREW	0.0218	0.13	0.0224	0.13
100097	1	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	0.28	0.0554	0.06
100111	1	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	0.05	0.0396	0.04
100110	1	EA	M	18-12	PSH-IN 3-WIRE CONN	0.0483	0.05	0.0330	0.03
70313	15	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	5.42	0.0235	0.35
630362	3	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	1.63	0.0444	0.13
630328	2	EA	M	14-2>10-3 & 3/8	MC/AC/FLEX HGR PUSH-IN MTL/WOOD/STUD	0.1819	0.36	0.0422	0.08
670064	1	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	0.31	0.0660	0.07
670085	1	EA	M	3/8 (3838AST)	AC/MC DX SNAP 2-IT INSUL	0.8180	0.82	0.0792	0.08
150979	5	EA	M	PWR+2-LV KO W/JB	POKE THRU/FLUSH FIRE RATED 2-PIECE-MULTI	126.0000	630.00	1.4520	7.26
3	5		M		FLOOR PENITRATION AND SEAL	350.0000	1,750.00	2.0000	10.00
TITLE	8	EA	M	#12 MC	20A 2P3W-125V N5-20R SPEC SGL-RECP	0.0000	0.00	0.0000	0.00
140035	8	EA	M	20A 2P3W	SGL RECP 125V N5-20R SPEC- GRADE	5.9567	47.65	0.2376	1.90
140665	8	EA	M	15>20A 1.4 DIA HOLE	1G S-STL SGL RECEPT PLATE	0.9390	7.51	0.0660	0.53
150015	8	EA	M	1-1/2"D	4"SQ CMB- KO FM- BRKT	3.5000	28.00	0.1584	1.27
150061	8	EA	M	5/8"RISE 4.8-CI	1G 4"SQ PLASTER-RING	2.6792	21.43	0.0660	0.53
161084	48	EA	M	#10 x 1"	TEK SCREW	0.0218	1.04	0.0224	1.08
100097	8	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	2.24	0.0554	0.44

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100111	2	EA	M	18-12	PSH-IN 4-WIRE CONN	0.0518	0.10	0.0396	0.08
70313	120	FT	M	12/2	MC CABLE - ALUM JKT W/G	0.3616	43.39	0.0252	3.03
630362	18	EA	M	14>10-3 (2-CBL)	AC/MC HMR-ON BOT-MTD 1/4-FLNG HGR PSH-IN	0.5443	9.80	0.0444	0.80
630328	16	EA	M	14-2>10-3 & 3/8	MC/AC/FLEX HGR PUSH-IN MTL/WOOD/STUD	0.1819	2.91	0.0422	0.68
670064	16	EA	M	3/8 (38AST)	AC/MC SNAP 2-IT INSUL	0.3053	4.88	0.0660	1.06
90346	150	FT	M	16/4PR	CNTRL CBL SHLD TWSTD PR	0.3500	52.50	0.0160	2.40
90295	100	FT	M	4 PAIR	CAT 5E CABLE-PLENUM	0.2433	24.33	0.0035	0.35
Phase Totals:							4,243.77		90.97

Phase: BRANCH

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
0					BRANCH POWER				
TITLE	260	EA	M	W/#12	3/4 EMT SUSP TH-ROD STL-BEAM	0.0000	0.00	0.0000	0.00
10054	260	FT	M	3/4	EMT	0.5131	133.40	0.0330	8.58
30285	25	EA	M	3/4	EMT STEEL-SS COUPLING	1.0750	26.88	0.0277	0.69
30401	2	EA	M	3/4	EMT STEEL SS CONNECTOR	0.9148	1.83	0.0594	0.12
40176	2	EA	M	3/4	PLASTIC BUSHING	0.2954	0.59	0.0528	0.11
70033	2,003	FT	M	12	THHN/THWN CU (STR)	0.1173	235.03	0.0026	5.19
70145	286	FT	M	12.	GREEN THHN CU (GRD 20A)	0.1173	33.56	0.0026	0.74
630540	160	EA	M	1/4"FLANGE	HAMMER-ON CLIP -1/4>3/8 NUTS REQUIRED	0.4867	77.87	0.0353	5.65
160872	160	EA	M	1/4-20	PLTD HEX NUTS	0.0199	3.19	0.0236	3.77
160361	160	EA	M	1/4"	PLTD LOCK WASHER	0.0155	2.47	0.0012	0.19
160351	160	EA	M	1/4"	PLTD FLAT WASHER	0.0188	3.01	0.0012	0.19
161171	46	FT	M	1/4-20	THREADED ROD	0.2856	13.14	0.0589	2.71
630001	40	EA	M	3/4	CONDUIT HGR SNAP-CLOSE 9/32 HOLE-MTD HD	0.1590	6.36	0.0377	1.51
20737	24	EA	M	3/4	EMT FIELD BEND	0.0000	0.00	0.1100	2.64
TITLE	10	EA	M	CONDUIT	4-11/16 x 1-1/2D BLANK COVER	0.0000	0.00	0.0000	0.00
150128	10	EA	M	1-1/2 D 29.5-CI	4-11/16" BOX /NO BRKT COMB KO	5.0000	50.00	0.1109	1.11
150162	10	EA	M		4-11/16" BLANK CVR	1.3555	13.55	0.0277	0.28
630540	10	EA	M	1/4"FLANGE	HAMMER-ON CLIP -1/4>3/8 NUTS REQUIRED	0.4867	4.87	0.0277	0.28
160351	40	EA	M	1/4"	PLTD FLAT WASHER	0.0188	0.75	0.0009	0.04
160872	40	EA	M	1/4-20	PLTD HEX NUTS	0.0199	0.80	0.0185	0.74
161171	11	FT	M	1/4-20	THREADED ROD	0.2856	3.14	0.0462	0.51
630488	10	EA	M	THREAD ROD MOUNT	COMB BOX & 1/2 > 3/4" SNP-CLS COND HGR	1.5897	15.90	0.0277	0.28

Phase: BRANCH

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
100097	10	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	2.80	0.0388	0.39
100087	30	EA	M	#18 to 8	WIRE-NUT MED - RED	0.0605	1.81	0.0388	1.16
TITLE	10	EA	M	CONDUIT	4" SQ x 1-1/2" BLANK COVER	0.0000	0.00	0.0000	0.00
150006	10	EA	M	1-1/2"D	4"SQ CMB- KO NO BRKT	2.0000	20.00	0.1109	1.11
150091	10	EA	M		4"SQ BLANK CVR	1.5610	15.61	0.0277	0.28
630540	10	EA	M	1/4"FLANGE	HAMMER-ON CLIP -1/4>3/8 NUTS REQUIRED	0.4867	4.87	0.0277	0.28
160351	40	EA	M	1/4"	PLTD FLAT WASHER	0.0188	0.75	0.0009	0.04
160872	40	EA	M	1/4-20	PLTD HEX NUTS	0.0199	0.80	0.0185	0.74
161171	11	FT	M	1/4-20	THREADED ROD	0.2856	3.14	0.0462	0.51
630488	10	EA	M	THREAD ROD MOUNT	COMB BOX & 1/2 > 3/4" SNP-CLS COND HGR	1.5897	15.90	0.0277	0.28
100097	10	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	2.80	0.0388	0.39
100087	30	EA	M	#18 to 8	WIRE-NUT MED - RED	0.0605	1.81	0.0388	1.16
0					BRANCH LIGHTING				
TITLE	250	EA	M	W/#12	3/4 EMT SUSP TH-ROD STL-BEAM	0.0000	0.00	0.0000	0.00
10054	250	FT	M	3/4	EMT	0.5131	128.27	0.0275	6.87
30285	24	EA	M	3/4	EMT STEEL-SS COUPLING	1.0750	25.80	0.0231	0.55
30401	2	EA	M	3/4	EMT STEEL SS CONNECTOR	0.9148	1.83	0.0495	0.10
40176	2	EA	M	3/4	PLASTIC BUSHING	0.2954	0.59	0.0440	0.09
70033	1,375	FT	M	12	THHN/THWN CU (STR)	0.1173	161.34	0.0026	3.51
70145	275	FT	M	12.	GREEN THHN CU (GRD 20A)	0.1173	32.27	0.0026	0.70
630540	160	EA	M	1/4"FLANGE	HAMMER-ON CLIP -1/4>3/8 NUTS REQUIRED	0.4867	77.87	0.0295	4.71
160872	320	EA	M	1/4-20	PLTD HEX NUTS	0.0199	6.37	0.0185	5.91
160361	320	EA	M	1/4"	PLTD LOCK WASHER	0.0155	4.95	0.0009	0.30
160351	320	EA	M	1/4"	PLTD FLAT WASHER	0.0188	6.02	0.0009	0.30
161171	85	FT	M	1/4-20	THREADED ROD	0.2856	24.28	0.0462	3.93
630001	80	EA	M	3/4	CONDUIT HGR SNAP-CLOSE 9/32 HOLE-MTD HD	0.1590	12.72	0.0296	2.37
20737	30	EA	M	3/4	EMT FIELD BEND	0.0000	0.00	0.1100	3.30
TITLE	10	EA	M	CONDUIT	4" SQ x 1-1/2" BLANK COVER	0.0000	0.00	0.0000	0.00
150006	10	EA	M	1-1/2"D	4"SQ CMB- KO NO BRKT	2.0000	20.00	0.1109	1.11
150091	10	EA	M		4"SQ BLANK CVR	1.5610	15.61	0.0277	0.28
630540	10	EA	M	1/4"FLANGE	HAMMER-ON CLIP -1/4>3/8 NUTS REQUIRED	0.4867	4.87	0.0277	0.28
160351	40	EA	M	1/4"	PLTD FLAT WASHER	0.0188	0.75	0.0009	0.04
160872	40	EA	M	1/4-20	PLTD HEX NUTS	0.0199	0.80	0.0185	0.74
161171	11	FT	M	1/4-20	THREADED ROD	0.2856	3.14	0.0462	0.51
630488	10	EA	M	THREAD ROD MOUNT	COMB BOX & 1/2 > 3/4" SNP-CLS COND HGR	1.5897	15.90	0.0277	0.28

Phase: BRANCH

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
100097	10	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	2.80	0.0388	0.39
100087	30	EA	M	#18 to 8	WIRE-NUT MED - RED	0.0605	1.81	0.0388	1.16
	0				POKE THRU'S				
TITLE	110	EA	M		3/4 EMT W/#12 SUSP TH-ROD CRETE	0.0000	0.00	0.0000	0.00
10054	110	FT	M	3/4	EMT	0.5131	56.44	0.0291	3.20
30285	11	EA	M	3/4	EMT STEEL-SS COUPLING	1.0750	11.83	0.0208	0.23
30401	10	EA	M	3/4	EMT STEEL SS CONNECTOR	0.9148	9.15	0.0495	0.50
70033	364	FT	M	12	THHN/THWN CU (STR)	0.1173	42.71	0.0033	1.21
70145	122	FT	M	12.	GREEN THHN CU (GRD 20A)	0.1173	14.32	0.0033	0.41
630642	11	EA	M	1/4-3/8" THRD ROD	ANGLE BRKT SUPT-HOLE MTD	0.3450	3.80	0.0462	0.51
161087	11	EA	M	1/4"	SELF DRILLING THREADED ANCHOR	0.2580	2.84	0.1155	1.27
160351	11	EA	M	1/4"	PLTD FLAT WASHER	0.0188	0.21	0.0012	0.01
160724	11	EA	M	1/4-20 x 1"	PLTD MACHINE SCREWS	0.0206	0.23	0.0647	0.71
160872	44	EA	M	1/4-20	PLTD HEX NUTS	0.0199	0.88	0.0231	1.02
630000	11	EA	M	1/2	CONDUIT HGR SNAP-CLOSE 9/32 HOLE-MTD HD	0.1809	1.99	0.0312	0.34
4	3		M		FLOOR PENETRATIONS AND SEAL	60.0000	180.00	1.5000	4.50
20737	16	EA	M	3/4	EMT FIELD BEND	0.0000	0.00	0.1100	1.76
TITLE	3	EA	M	CONDUIT	4" SQ x 1-1/2" BLANK COVER	0.0000	0.00	0.0000	0.00
150006	3	EA	M	1-1/2"D	4"SQ CMB- KO NO BRKT	2.0000	6.00	0.1386	0.42
150091	3	EA	M		4"SQ BLANK CVR	1.5610	4.68	0.0346	0.10
630540	3	EA	M	1/4"FLANGE	HAMMER-ON CLIP -1/4>3/8 NUTS REQUIRED	0.4867	1.46	0.0347	0.10
160351	12	EA	M	1/4"	PLTD FLAT WASHER	0.0188	0.23	0.0012	0.01
160872	12	EA	M	1/4-20	PLTD HEX NUTS	0.0199	0.24	0.0231	0.28
161171	4	FT	M	1/4-20	THREADED ROD	0.2856	1.14	0.0578	0.23
630488	3	EA	M	THREAD ROD MOUNT	COMB BOX & 1/2 > 3/4" SNP-CLS COND HGR	1.5897	4.77	0.0347	0.10
100097	3	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	0.84	0.0485	0.15
100087	9	EA	M	#18 to 8	WIRE-NUT MED - RED	0.0605	0.54	0.0485	0.44
TITLE	120	EA	M		1" EMT W/#12 SUSP TH-ROD CRETE	0.0000	0.00	0.0000	0.00
10055	120	FT	M	1	EMT	0.8549	102.58	0.0387	4.64
30286	12	EA	M	1	EMT STEEL-SS COUPLING	1.6034	19.24	0.0299	0.36
30402	16	EA	M	1	EMT STEEL SS CONNECTOR	1.5071	24.11	0.0601	0.96
70033	1,453	FT	M	12	THHN/THWN CU (STR)	0.1173	170.49	0.0022	3.26
70145	132	FT	M	12.	GREEN THHN CU (GRD 20A)	0.1173	15.49	0.0022	0.30
630642	12	EA	M	1/4-3/8" THRD ROD	ANGLE BRKT SUPT-HOLE MTD	0.3450	4.14	0.0554	0.67
161087	12	EA	M	1/4"	SELF DRILLING THREADED ANCHOR	0.2580	3.10	0.1386	1.66

Rav Estimating

Po Box 245
Marlboro, NY 12542

Phone: 845-236-7356

Web:

Phase: BRANCH

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
160351	12	EA	M	1/4"	PLTD FLAT WASHER	0.0188	0.23	0.0014	0.02
160724	12	EA	M	1/4-20 x 1"	PLTD MACHINE SCREWS	0.0206	0.25	0.0776	0.93
160872	48	EA	M	1/4-20	PLTD HEX NUTS	0.0199	0.96	0.0277	1.33
161171	-26	FT	M	1/4-20	THREADED ROD	0.2856	-7.43	0.0693	-1.80
630002	12	EA	M	1	CONDUIT HGR SNAP-CLOSE 9/32 HOLE-MTD HD	0.2156	2.59	0.0437	0.52
20738	16	EA	M	1	EMT FIELD BEND	0.0000	0.00	0.1650	2.64
TITLE	4	EA	M	CONDUIT	4-11/16 x 1-1/2D BLANK COVER	0.0000	0.00	0.0000	0.00
150128	4	EA	M	1-1/2 D 29.5-CI	4-11/16" BOX /NO BRKT COMB KO	4.0000	16.00	0.1663	0.67
150162	4	EA	M		4-11/16" BLANK CVR	1.3555	5.42	0.0416	0.17
630642	4	EA	M	1/4-3/8" THRD ROD	ANGLE BRKT SUPT-HOLE MTD	0.3450	1.38	0.0554	0.22
161126	4	EA	M	1/4 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0.0000	0.00	0.2495	1.00
160229	4	EA	M	1/4 x 3/4"	PLTD WEDGE ANCHOR	0.3374	1.35	0.1386	0.55
160351	16	EA	M	1/4"	PLTD FLAT WASHER	0.0188	0.30	0.0014	0.02
160872	16	EA	M	1/4-20	PLTD HEX NUTS	0.0199	0.32	0.0277	0.44
161171	5	FT	M	1/4-20	THREADED ROD	0.2856	1.43	0.0693	0.35
630488	4	EA	M	THREAD ROD MOUNT	COMB BOX & 1/2 > 3/4" SNP-CLS COND HGR	1.5897	6.36	0.0416	0.17
100097	4	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	1.12	0.0582	0.23
100087	12	EA	M	#18 to 8	WIRE-NUT MED - RED	0.0605	0.73	0.0582	0.70
Phase Totals:							1,959.05		116.55

Phase: HVAC & MOTORS

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
200298	3	EA	M	SIZE 0 230V 2-POLE	N-1 PUSH-BUTTON MANUAL STARTER	35.0000	105.00	1.3200	3.96
TITLE	3	EA	M	1/2	FLEXIBLE ALUM CONDUIT	0.0000	0.00	0.0000	0.00
50019	18	FT	M	1/2	FLEXIBLE ALUM CONDUIT	0.4787	8.62	0.0333	0.60
50030	3	EA	M	1/2	FLEX COND ANGLE CONN	3.1598	9.48	0.1331	0.40
50041	3	EA	M	1/2	FLEX COND STRAIGHT CONN	0.5283	1.58	0.1109	0.33
70033	216	FT	M	12	THHN/THWN CU (STR)	0.1173	25.35	0.0044	0.96
210010	1	EA	M		ELECTRIC WATER HEATER CONNECTION	15.0000	15.00	0.6600	0.66
100170	48	EA	M	12	WIRE TERMINATION LBR	0.0000	0.00	0.0297	1.43
70325	100	FT	M	10/2	MC CABLE - ALUM JKT W/G	0.7597	75.97	0.0249	2.49
630328	15	EA	M	14-2>10-3 & 3/8	MC/AC/FLEX HGR PUSH-IN MTL/WOOD/STUD	0.1819	2.73	0.0444	0.67
161084	30	EA	M	#10 x 1"	TEK SCREW	0.0218	0.65	0.0236	0.71
670032	2	EA	M	3/8	BX /MC 1-SCR SNGL STR-CONN	0.7520	1.50	0.1016	0.20

Phase: HVAC & MOTORS

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
100289	2	EA	M	SIZE 2	ANTI-SHORT 12/4 10/2 10/3 2/1	0.0957	0.19	0.0172	0.03
Phase Totals:							246.07		12.44

Phase: FEEDERS

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
TITLE	15	EA	M	2	EMT ON SURFACE U-STRUT	0.0000	0.00	0.0000	0.00
10058	15	FT	M	2	EMT	1.9911	29.87	0.0580	0.87
20751	2	EA	M	2	EMT 90-ELBOW	4.7082	9.42	0.4834	0.97
30289	4	EA	M	2	EMT STEEL-SS COUPLING	6.3732	25.49	0.1031	0.41
630192	3	EA	M	2	COND 1-PC w/BOLT STL U-STRUT CLMP	0.6592	1.98	0.0693	0.21
30405	2	EA	M	2	EMT STEEL SS CONNECTOR	5.6190	11.24	0.1267	0.25
40180	2	EA	M	2	PLASTIC BUSHING	1.6474	3.29	0.0660	0.13
70041	120	FT	M	1/0	THHN/THWN CU (STR)	1.8433	221.20	0.0132	1.59
70148	30	FT	M	6.	GREEN THHN CU (GRD 200A)	0.4950	14.85	0.0066	0.20
TITLE	15	EA	M	1 1/2	EMT ON SURFACE U-STRUT	0.0000	0.00	0.0000	0.00
10057	15	FT	M	1 1/2	EMT	1.6786	25.18	0.0503	0.75
20750	3	EA	M	1 1/2	EMT 90-ELBOW	3.2046	9.61	0.3867	1.16
30288	5	EA	M	1 1/2	EMT STEEL-SS COUPLING	4.8648	24.32	0.0722	0.36
630191	3	EA	M	1 1/2	COND 1-PC w/BOLT STL U-STRUT CLMP	0.6198	1.86	0.0624	0.19
30404	2	EA	M	1 1/2	EMT STEEL SS CONNECTOR	3.7335	7.47	0.0950	0.19
40179	2	EA	M	1 1/2	PLASTIC BUSHING	0.8901	1.78	0.0660	0.13
70039	90	FT	M	2.	THHN/THWN CU (STR)	1.1998	107.98	0.0126	1.13
70147	27	FT	M	8	GREEN THHN CU (GRD 100A)	0.2895	7.82	0.0067	0.18
TITLE	3	EA	M	3/8"	UNISTRUT SURFACE ON CONCRETE	0.0000	0.00	0.0000	0.00
240135	6	FT	M	1 5/8" x 13/16"H	P4100 14G STRUT 1-1/8"SLOT GREEN	2.7389	16.43	0.1109	0.67
161127	6	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0.0000	0.00	0.2772	1.66
160684	6	EA	M	3/8" LONG	LAG SHIELD	0.7497	4.50	0.0693	0.42
160509	6	EA	M	3/8 x 1 1/2"	PLTD LAG BOLT	0.1346	0.81	0.0416	0.25
160353	6	EA	M	3/8"	PLTD FLAT WASHER	0.0462	0.28	0.0014	0.01
160363	6	EA	M	3/8"	PLTD LOCK WASHER	0.0265	0.16	0.0014	0.01
TITLE	15	EA	M	2 1/2	EMT ON SURFACE U-STRUT	0.0000	0.00	0.0000	0.00
10059	15	FT	M	2 1/2	EMT	2.9494	44.24	0.0683	1.02
20752	3	EA	M	2 1/2	EMT 90-ELBOW	10.8444	32.53	0.5800	1.74
30290	5	EA	M	2 1/2	EMT STEEL-SS COUPLING	13.1611	65.81	0.1547	0.77

Phase: FEEDERS

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
630193	3	EA	M	2 1/2	COND 1-PC w/BOLT STL U-STRUT CLMP	0.9403	2.82	0.0762	0.23
30406	2	EA	M	2 1/2	EMT STEEL SS CONNECTOR	16.0270	32.05	0.1690	0.34
40181	2	EA	M	2 1/2	PLASTIC BUSHING	3.7090	7.42	0.0792	0.16
70044	120	FT	M	4/0	THHN/THWN CU (STR)	3.6401	436.82	0.0173	2.08
70148	27	FT	M	6.	GREEN THHN CU (GRD 200A)	0.4950	13.36	0.0066	0.18
70149	30	FT	M	4.	GREEN THHN CU (GRD 300A)	0.7652	22.96	0.0078	0.23
TITLE	3	EA	M	3/8"	UNISTRUT SURFACE ON CONCRETE	0.0000	0.00	0.0000	0.00
240135	6	FT	M	1 5/8" x 13/16"H	P4100 14G STRUT 1-1/8"SLOT GREEN	2.7389	16.43	0.1109	0.67
161127	6	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0.0000	0.00	0.2772	1.66
160684	6	EA	M	3/8" LONG	LAG SHIELD	0.7497	4.50	0.0693	0.42
160509	6	EA	M	3/8 x 1 1/2"	PLTD LAG BOLT	0.1346	0.81	0.0416	0.25
160353	6	EA	M	3/8"	PLTD FLAT WASHER	0.0462	0.28	0.0014	0.01
160363	6	EA	M	3/8"	PLTD LOCK WASHER	0.0265	0.16	0.0014	0.01
TITLE	15	EA	M	1 1/4	EMT ON SURFACE U-STRUT	0.0000	0.00	0.0000	0.00
10056	15	FT	M	1 1/4	EMT	1.3488	20.23	0.0451	0.68
20749	3	EA	M	1 1/4	EMT 90-ELBOW	2.7552	8.27	0.3094	0.93
30287	5	EA	M	1 1/4	EMT STEEL-SS COUPLING	3.1676	15.84	0.0516	0.26
630190	3	EA	M	1 1/4	COND 1-PC w/BOLT STL U-STRUT CLMP	0.5011	1.50	0.0554	0.17
30403	2	EA	M	1 1/4	EMT STEEL SS CONNECTOR	2.8268	5.65	0.0845	0.17
40178	2	EA	M	1 1/4	PLASTIC BUSHING	0.6594	1.32	0.0660	0.13
70038	120	FT	M	3.	THHN/THWN CU (STR)	0.9585	115.02	0.0090	1.08
70035	27	FT	M	8	THHN/THWN CU (STR)	0.2895	7.82	0.0083	0.22
TITLE	3	EA	M	3/8"	UNISTRUT SURFACE ON CONCRETE	0.0000	0.00	0.0000	0.00
240135	6	FT	M	1 5/8" x 13/16"H	P4100 14G STRUT 1-1/8"SLOT GREEN	2.7389	16.43	0.1109	0.67
161127	6	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0.0000	0.00	0.2772	1.66
160684	6	EA	M	3/8" LONG	LAG SHIELD	0.7497	4.50	0.0693	0.42
160509	6	EA	M	3/8 x 1 1/2"	PLTD LAG BOLT	0.1346	0.81	0.0416	0.25
160353	6	EA	M	3/8"	PLTD FLAT WASHER	0.0462	0.28	0.0014	0.01
160363	6	EA	M	3/8"	PLTD LOCK WASHER	0.0265	0.16	0.0014	0.01
TITLE	15	EA	M	1	EMT SUSPEND CONCRETE	0.0000	0.00	0.0000	0.00
10055	15	FT	M	1	EMT	0.8549	12.82	0.0473	0.71
20738	4	EA	M	1	EMT FIELD BEND	0.0000	0.00	0.1650	0.66
30286	2	EA	M	1	EMT STEEL-SS COUPLING	1.6034	3.21	0.0366	0.07
630033	3	EA	M	1	EMT HGR NUT-BOLT CLOSE 1/4 HOLE-MTD	0.2986	0.90	0.0485	0.15
160230	3	EA	M	1/4 x 2 1/4"	PLTD WEDGE ANCHOR	0.4074	1.22	0.1386	0.42

Phase: FEEDERS

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
161126	3	EA	M	1/4 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0.0000	0.00	0.2495	0.75
630642	3	EA	M	1/4-3/8" THRD ROD	ANGLE BRKT SUPT-HOLE MTD	0.3450	1.04	0.0554	0.17
160352	9	EA	M	5/16"	PLTD FLAT WASHER	0.0461	0.42	0.0014	0.01
160873	9	EA	M	5/16-18	PLTD HEX NUTS	0.0280	0.25	0.0305	0.27
30402	2	EA	M	1	EMT STEEL SS CONNECTOR	1.5071	3.01	0.0601	0.12
40177	2	EA	M	1	PLASTIC BUSHING	0.4477	0.90	0.0528	0.11
70036	90	FT	M	6.	THHN/THWN CU (STR)	0.4950	44.55	0.0081	0.73
70035	27	FT	M	8	THHN/THWN CU (STR)	0.2895	7.82	0.0083	0.22
70037	60	FT	M	4.	THHN/THWN CU (STR)	0.7652	45.91	0.0091	0.55
70036	12	FT	M	6.	THHN/THWN CU (STR)	0.4950	5.94	0.0077	0.09
Phase Totals:							1,531.52		33.17

Phase: DISTRIBUTION EQUIPMENT

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
5	1		M		EMON DEMON	950.0000	950.00	6.0000	6.00
100170	120	EA	M	12	WIRE TERMINATION LBR	0.0000	0.00	0.0257	3.09
6	1		M		REWIRE EXISTING CIRCUITS	100.0000	100.00	4.0000	4.00
380032	4	EA	M	100A	REMOVE EXISTING PANEL	0.0000	0.00	2.6400	10.56
380033	1	EA	M	200A	REMOVE EXISTING PANEL	0.0000	0.00	4.6200	4.62
380048	1	EA	M	75 TO 100 KVA	REMOVE EXISTING TRANSFORMER	0.0000	0.00	4.0000	4.00
7	1		M		REMOVE EXISTING FEEDERS	0.0000	0.00	8.0000	8.00
9	1		M		REMOVE EXISTING METER	1.0000	1.00	1.0000	1.00
1					BP-31				
170235	1	EA	M	125A MLO 3PH4W	PNLBD W/BOLT-ON BKRS	15.0000	15.00	2.5080	2.51
1					UP-31-2				
170235	1	EA	M	125A MLO 3PH4W	PNLBD W/BOLT-ON BKRS	15.0000	15.00	2.5080	2.51
1					UP-31-1				
170237	1	EA	M	225A MLO 3PH4W	PNLBD W/BOLT-ON BKRS	15.0000	15.00	5.0160	5.02
1					HP-31				
170237	1	EA	M	225A MLO 3PH4W	PNLBD W/BOLT-ON BKRS	15.0000	15.00	5.0160	5.02
1					TX				
TITLE	1	EA	M	45 KVA 480/208Y120	DRY TRANSFORMER	0.0000	0.00	0.0000	0.00
190017	1	EA	M	45 KVA	3PH DRY XFMR FLOOR MTD	150.0000	150.00	14.5200	14.52
50003	3	FT	M	1	FLEXIBLE STEEL CONDUIT	1.0905	3.27	0.0693	0.21

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Marlboro, NY 12542

Phone: 845-236-7356

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Phase: DISTRIBUTION EQUIPMENT

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
50032	1	EA	M	1	FLEX COND ANGLE CONN	8.5341	8.53	0.1885	0.19
50043	1	EA	M	1	FLEX COND STRAIGHT CONN	1.9102	1.91	0.1571	0.16
40126	2	EA	M	1	GRND BUSHING INSULATED	5.8776	11.76	0.3300	0.66
500158	1	EA	M	1	ENCLOSURE HOLE PUNCH	0.0000	0.00	0.4752	0.48
70037	27	FT	M	4.	THHN/THWN CU (STR)	0.7652	20.66	0.0120	0.32
70147	9	FT	M	8	GREEN THHN CU (GRD 100A)	0.2895	2.61	0.0083	0.07
100004	3	EA	M	4.	AL/CU CRIMP LUG 1-HOLE	5.4151	16.25	0.3300	0.99
100002	1	EA	M	8	AL/CU CRIMP LUG 1-HOLE	5.1328	5.13	0.1980	0.20
50006	3	FT	M	2	FLEXIBLE STEEL CONDUIT	2.8079	8.42	0.1848	0.55
50035	1	EA	M	2	FLEX COND ANGLE CONN	28.9249	28.92	0.3326	0.33
50046	1	EA	M	2	FLEX COND STRAIGHT CONN	8.4893	8.49	0.2772	0.28
40129	2	EA	M	2	GRND BUSHING INSULATED	11.5472	23.09	0.3960	0.79
500161	1	EA	M	2	ENCLOSURE HOLE PUNCH	0.0000	0.00	0.6600	0.66
70043	36	FT	M	3/0	THHN/THWN CU (STR)	2.8988	104.36	0.0240	0.86
70148	9	FT	M	6.	GREEN THHN CU (GRD 200A)	0.4950	4.45	0.0102	0.09
100024	4	EA	M	3/0	AL/CU CRIMP LUG 2-HOLE	22.5669	90.27	0.5610	2.24
100003	1	EA	M	6.	AL/CU CRIMP LUG 1-HOLE	6.4376	6.44	0.2640	0.26
160230	4	EA	M	1/4 x 2 1/4"	PLTD WEDGE ANCHOR	0.4074	1.63	0.1320	0.53
161571	4	EA	M	4"x 4"x .04 57psi	POLYURETHANE PAD	0.0000	0.00	0.0660	0.26
8	1		M		GROUND BUILDING STEEL	150.0000	150.00	4.0000	4.00
100175	8	EA	M	3.	WIRE TERMINATION LBR	0.0000	0.00	0.2112	1.69
100172	2	EA	M	8	WIRE TERMINATION LBR	0.0000	0.00	0.1320	0.26
100182	8	EA	M	4/0	WIRE TERMINATION LBR	0.0000	0.00	0.2904	2.32
100174	2	EA	M	4.	WIRE TERMINATION LBR	0.0000	0.00	0.1980	0.40
100176	6	EA	M	2.	WIRE TERMINATION LBR	0.0000	0.00	0.2310	1.39
100172	2	EA	M	8	WIRE TERMINATION LBR	0.0000	0.00	0.1320	0.26
100179	16	EA	M	1/0	WIRE TERMINATION LBR	0.0000	0.00	0.2442	3.91
100173	2	EA	M	6.	WIRE TERMINATION LBR	0.0000	0.00	0.1584	0.32
500159	2	EA	M	1 1/4	ENCLOSURE HOLE PUNCH	0.0000	0.00	0.5280	1.06
500160	4	EA	M	1 1/2	ENCLOSURE HOLE PUNCH	0.0000	0.00	0.5940	2.38
500161	2	EA	M	2	ENCLOSURE HOLE PUNCH	0.0000	0.00	0.6600	1.32
500162	2	EA	M	2 1/2	ENCLOSURE HOLE PUNCH	0.0000	0.00	0.7260	1.45
220067	1	EA	M	200/3	F/HD/600V N-1 SAFETY-SW	15.0000	15.00	5.0820	5.08
230052	3	EA	M	150 AMP	K5 NON-CL 600V FUSE	0.0000	0.00	0.0660	0.20
TITLE	2	EA	M		24" WIDE TRAPEZE/36"TH-ROD/LAG & SHIELD	0.0000	0.00	0.0000	0.00

Phase: DISTRIBUTION EQUIPMENT

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
240110	4	FT	M	1 5/8" x 13/16"H	P4000 16G STRUT SOLID GREEN	2.2411	8.96	0.1056	0.42
161173	26	FT	M	3/8-16	THREADED ROD	0.5173	13.45	0.0660	1.72
161127	4	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0.0000	0.00	0.2640	1.06
160684	4	EA	M	3/8" LONG	LAG SHIELD	0.7497	3.00	0.0660	0.26
160509	4	EA	M	3/8 x 1 1/2"	PLTD LAG BOLT	0.1346	0.54	0.0396	0.16
630641	4	EA	M	3/8 THREAD-ROD	ANGLE BRKT SUPT-HOLE MTD	0.3736	1.49	0.0528	0.21
240365	4	EA	M	3/8 -16EG	U-STRUT SPRING NUT (1 5/8H)	0.9354	3.74	0.0594	0.24
160874	12	EA	M	3/8-16	PLTD HEX NUTS	0.0578	0.69	0.0396	0.48
160353	16	EA	M	3/8"	PLTD FLAT WASHER	0.0462	0.74	0.0013	0.02
160363	16	EA	M	3/8"	PLTD LOCK WASHER	0.0265	0.42	0.0013	0.02
Phase Totals:							1,805.24		111.60

Phase: TEMPORARY WIRING

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
10	1		M		TEMP LIGHT AND POWER	1,000.0000	1,000.00	0.0000	0.00
Phase Totals:							1,000.00		0.00

Phase: FIRE ALARM

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
320096	3	EA	M		FIRE ALARM STROBE/SPEAKER	4.2000	12.60	0.4840	1.45
320095	4	EA	M		FIRE ALARM STROBE LIGHT	4.2000	16.80	0.4538	1.82
320065	1	EA	M		FIRE ALARM ADDRESSABLE BASE	4.2000	4.20	0.4400	0.44
320066	1	EA	M		FIRE ALARM ADDRESSABLE HEAD	0.0000	0.00	0.1320	0.13
320118	2	EA	M		FIRE ALARM ADDRESSABLE CONTROL RELAY	5.0000	10.00	0.6600	1.32
14	1		M		TEST FA SYSTEM	0.0000	0.00	4.0000	4.00
TITLE	7	EA	M	3/4 EMT/P-STRING	1G STUB/4"sq /MTL-STD	0.0000	0.00	0.0000	0.00
150014	7	EA	M	1-1/2"D	4"SQ CMB- KO FH- BRKT	3.5000	24.50	0.1272	0.89
150061	7	EA	M	5/8"RISE 4.8-CI	1G 4"SQ PLASTER-RING	2.6792	18.75	0.0530	0.37
161084	14	EA	M	#10 x 1"	TEK SCREW	0.0218	0.30	0.0180	0.25
10054	84	FT	M	3/4	EMT	0.5131	43.10	0.0297	2.49
30285	9	EA	M	3/4	EMT STEEL-SS COUPLING	1.0750	9.68	0.0212	0.19
630062	17	EA	M	3/4	COND SNP-CLOSE HGR TO SCRW-ON STUD-WALL	0.4758	8.09	0.0339	0.58
161084	34	EA	M	#10 x 1"	TEK SCREW	0.0218	0.74	0.0180	0.61

Phase: FIRE ALARM

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
30401	14	EA	M	3/4	EMT STEEL SS CONNECTOR	0.9148	12.81	0.0477	0.67
40176	14	EA	M	3/4	PLASTIC BUSHING	0.2954	4.14	0.0424	0.59
500116	101	FT	M		PULL LINE (STRING)	0.0089	0.89	0.0021	0.21
120594	1	EA	M		CEILING TILE CUT OUT	0.0000	0.00	0.0890	0.09
150193	1	EA	M	1-1/2"D	15.5-CI 4" OCTAGON COMB KO	2.0000	2.00	0.0890	0.09
161286	1	EA	M	24"	T-BAR BOX HANGER	2.4523	2.45	0.0334	0.03
TITLE	200	EA	M		3/4 EMT EMPTY STEEL I-BEAM	0.0000	0.00	0.0000	0.00
10054	200	FT	M	3/4	EMT	0.5131	102.61	0.0265	5.30
30285	20	EA	M	3/4	EMT STEEL-SS COUPLING	1.0750	21.50	0.0189	0.38
30401	30	EA	M	3/4	EMT STEEL SS CONNECTOR	0.9148	27.44	0.0477	1.43
630260	24	EA	M	3/4	EMT BOT-MOUNT BOLT-IN CLAMP 5/8-BEAM	0.8429	20.23	0.0303	0.73
20737	28	EA	M	3/4	EMT FIELD BEND	0.0000	0.00	0.1060	2.97
TITLE	8	EA	M	CONDUIT	4"SQ x 1-1/2D BLANK COVER	0.0000	0.00	0.0000	0.00
150006	8	EA	M	1-1/2"D	4"SQ CMB- KO NO BRKT	2.0000	16.00	0.1336	1.07
150091	8	EA	M		4"SQ BLANK CVR	1.5610	12.49	0.0334	0.27
630567	8	EA	M	1/4-20	ADJ BEAM CLAMP UP TO 1/2 FLANGE	0.3962	3.17	0.0557	0.45
630484	8	EA	M	3/8 PLAIN/THREAD ROD	COMB BOX & 1/2 > 3/4" SNP-CLS COND HGR	1.8228	14.58	0.0334	0.27
160368	8	EA	M	1/4 x 1"	PLTD FENDER WASHER	0.0401	0.32	0.0011	0.01
160724	8	EA	M	1/4-20 x 1"	PLTD MACHINE SCREWS	0.0206	0.16	0.0623	0.50
100087	24	EA	M	#18 to 8	WIRE-NUT MED - RED	0.0605	1.45	0.0467	1.12
100097	8	EA	M	#12	PIGTAIL W/GRD SCREW	0.2804	2.24	0.0467	0.37
90240	200	FT	M	#14 2/C Red	FA CABLE PLENUM SHIELD (FPLP)	0.7600	152.00	0.0100	2.00
90241	200	FT	M	#14 4/C Red	FA CABLE PLENUM SHIELD (FPLP)	0.8500	170.00	0.0120	2.40
TITLE	2	EA	M	1/2	FLEXIBLE ALUM CONDUIT	0.0000	0.00	0.0000	0.00
50019	10	FT	M	1/2	FLEXIBLE ALUM CONDUIT	0.4787	4.79	0.0277	0.28
50030	2	EA	M	1/2	FLEX COND ANGLE CONN	3.1598	6.32	0.1109	0.22
50041	2	EA	M	1/2	FLEX COND STRAIGHT CONN	0.5283	1.06	0.0924	0.18
Phase Totals:							727.42		36.17

Phase: RACEWAYS

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
	0				WALL STUBS				
TITLE	14	EA	M	1" EMT/P-STRING	2G STUB/4"sq /MTL-STD	0.0000	0.00	0.0000	0.00
150042	14	EA	M	2-1/8"D	4"SQ 1"-KO NO BRKT	3.5000	49.00	0.1267	1.77

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Po Box 245
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Phone: 845-236-7356

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Phase: RACEWAYS

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
150070	14	EA	M	5/8"RISE 7.5-CI	2G 4"SQ PLASTER-RING	3.5757	50.06	0.0528	0.74
161084	28	EA	M	#10 x 1"	TEK SCREW	0.0218	0.61	0.0180	0.50
10055	140	FT	M	1	EMT	0.8549	119.68	0.0304	4.26
30286	14	EA	M	1	EMT STEEL-SS COUPLING	1.6034	22.45	0.0236	0.33
630063	28	EA	M	1	COND SNP-CLOSE HGR TO SCRW-ON STUD-WALL	0.5297	14.83	0.0370	1.03
161084	56	EA	M	#10 x 1"	TEK SCREW	0.0218	1.22	0.0180	1.01
30402	28	EA	M	1	EMT STEEL SS CONNECTOR	1.5071	42.20	0.0480	1.35
40177	28	EA	M	1	PLASTIC BUSHING	0.4477	12.54	0.0422	1.18
500116	168	FT	M		PULL LINE (STRING)	0.0089	1.49	0.0021	0.35
	0				POKE THRU DATA PHONE				
TITLE	100	EA	M		3/4 EMT W/#12 SUSP TH-ROD CRETE	0.0000	0.00	0.0000	0.00
10054	100	FT	M	3/4	EMT	0.5131	51.31	0.0291	2.91
30285	10	EA	M	3/4	EMT STEEL-SS COUPLING	1.0750	10.75	0.0208	0.21
30401	10	EA	M	3/4	EMT STEEL SS CONNECTOR	0.9148	9.15	0.0495	0.50
630642	10	EA	M	1/4-3/8" THRD ROD	ANGLE BRKT SUPT-HOLE MTD	0.3450	3.45	0.0462	0.46
161087	10	EA	M	1/4"	SELF DRILLING THREADED ANCHOR	0.2580	2.58	0.1155	1.16
160351	10	EA	M	1/4"	PLTD FLAT WASHER	0.0188	0.19	0.0012	0.01
160724	10	EA	M	1/4-20 x 1"	PLTD MACHINE SCREWS	0.0206	0.21	0.0647	0.65
160872	40	EA	M	1/4-20	PLTD HEX NUTS	0.0199	0.80	0.0231	0.92
630000	10	EA	M	1/2	CONDUIT HGR SNAP-CLOSE 9/32 HOLE-MTD HD	0.1809	1.81	0.0312	0.31
20737	24	EA	M	3/4	EMT FIELD BEND	0.0000	0.00	0.1100	2.64
Phase Totals:							394.30		22.30

Phase: GROUNDING & BONDING

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
15	1		M		GROUND BAR DETAIL	175.0000	175.00	2.5000	2.50
1050210	2	EA	M	4.	WIRE TERMINATION	0.0000	0.00	0.1500	0.30
850177	2	EA	M		CADWELD & CLEAN	9.2400	18.48	0.9000	1.80
70148	30	FT	M	6.	GREEN THHN CU (GRD 200A)	0.4950	14.85	0.0077	0.23
TITLE	25	EA	M	EMPTY	3/4 EMT ON-CONCRETE	0.0000	0.00	0.0000	0.00
10054	25	FT	M	3/4	EMT	0.5131	12.83	0.0388	0.97
20737	4	EA	M	3/4	EMT FIELD BEND	0.0000	0.00	0.1320	0.53
30285	2	EA	M	3/4	EMT STEEL-SS COUPLING	1.0750	2.15	0.0277	0.06
30401	2	EA	M	3/4	EMT STEEL SS CONNECTOR	0.9148	1.83	0.0594	0.12

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Po Box 245
Marlboro, NY 12542

Phone: 845-236-7356

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Phase: GROUNDING & BONDING

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
40176	2	EA	M	3/4	PLASTIC BUSHING	0.2954	0.59	0.0528	0.11
161478	3	EA	M	3/4	EMT 1-HOLE STEEL STRAP	0.3843	1.15	0.0416	0.12
161125	3	EA	M	3/16 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0.0000	0.00	0.2218	0.67
161122	3	EA	M	#12 x 1 1/4"	PLASTIC ANCHOR	0.0204	0.06	0.0347	0.10
161093	3	EA	M	#12 x 1"	SHEET METAL SCREW	0.0590	0.18	0.0243	0.07
160351	3	EA	M	1/4"	PLTD FLAT WASHER	0.0188	0.06	0.0014	0.00
Phase Totals:							227.17		7.58
Job Totals:							12,620.50		537.81