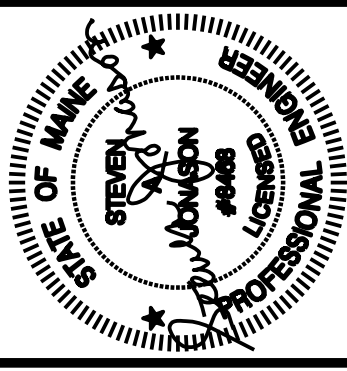
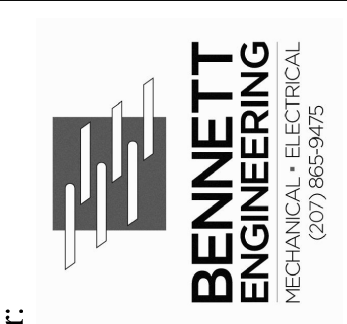


PROGRESS PRINT
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747 CONGRESS
LLC



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07/06/16 PRICING
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PANEL SCHEDULES

E3.1

PANEL HP (ELEC RM GROUND FLR) SECTION 1 120/208 3PH 4W 400 AMP BUS - MLO 42K AIC NEMA TYPE 1 (SURFACE)

CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA
1	ELEVATOR POWER	20	1	10	1.00	10	2	LIGHTING	20	1	15	1.00	15
3	ELEVATOR CAB LIGHTS	20	1	5	1.00	5	4	LIGHTING	20	1	15	1.00	15
5	ELEV PIT LIGHT AND RECEPT	20	1	2	0.50	1	6	LIGHTING	20	1	15	1.00	15
7	ELEV SUMP PUMP CONTROL PANEL	20	1	15	1.00	15	8	ELEV PIT LIGHT AND RECEPT	20	1	4	0.50	2
9	KING A LIGHTS	20	1	12	0.70	8	10	KING B LIGHTS	20	1	12	0.70	8
11	KING A RECEPTS	20	1	9	0.50	5	12	KING B RECEPTS	20	1	9	0.50	5
13	KING A RECEPTS	20	1	9	0.50	5	14	KING B RECEPTS	20	1	8	0.50	4
15	KING A FRIDGE	20	1	12	1.00	12	16	KING B FRIDGE	20	1	12	1.00	12
17	KING A BATHROOM	20	1	2	0.50	1	18	KING B BATHROOM	20	1	2	0.50	1
19	QUEEN C LIGHTS	20	1	12	0.70	8	20	KING D ACCESSIBLE LIGHTS	20	1	12	0.70	8
21	QUEEN C RECEPTS	20	1	11	0.50	5	22	KING D ACCESSIBLE RECEPTS	20	1	11	0.50	5
23	QUEEN C FRIDGE	20	1	12	1.00	12	24	KING D ACCESSIBLE FRIDGE	20	1	12	1.00	12
25	QUEEN C BATHROOM	20	1	2	0.50	1	26	KING D ACCESSIBLE BATHROOM	20	1	2	0.50	1
27	LOWER LOBBY RECEPTS	20	1	8	0.50	4	28	ELEC RM AND EXT RECEPTS	30	1	3	0.50	2
29	F A C P	20	1	5	1.00	5	30	MECH RM RECEPTS	20	1	5	0.50	2
31	IT CLOSET RECEPTS	20	1			0	32	WASHER (MECH RM)	20	1	12	0.70	8
33	T B B	20	1			0	34	DRYER (MECH RM)	30	2	22	0.70	15
35	CU-A	30	2	22	0.70	15	36						0
37						0	38	ELEVATOR SHUNT TRIP	60	3			0
39	CU-B	30	2	22	0.70	15	40						0
41						0	42						0

PROVIDE WITH FEED THRU LUGS FOR SECTION 2

Section 1
Tot Amps/PH - Connected Load 112.17
Demand Factor 76.51%
Total Amps/PH - Demand 85.52
Connected KVA 40.36
Demand KVA 30.88
Min. Panel Size (Demand x 1.25) - Amps 107.27

PANEL PP (2ND FLR ELEC CLOSET) SECTION 1 120/208 3PH 4W 225 AMP BUS - MLO 42K AIC NEMA TYPE 1 (SURFACE)

CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA
1	KING H LIGHTS	20	1	12	0.70	8	2	KING K LIGHTS	20	1	12	0.70	8
3	KING H RECEPTS	20	1	12	0.50	6	4	KING K RECEPTS	20	1	14	0.50	7
5	KING H FRIDGE	20	1	12	1.00	12	6	KING K FRIDGE	20	1	12	1.00	12
7	KING H BATHROOM	20	1	2	0.50	1	8	KING K BATHROOM	20	1	2	0.50	1
9	QUEEN J LIGHTS	20	1	12	0.70	8	10	QUEEN I LIGHTS	20	1	12	0.70	8
11	QUEEN J RECEPTS	20	1	12	0.50	6	12	QUEEN I RECEPTS	20	1	12	0.50	6
13	QUEEN J FRIDGE	20	1	12	1.00	12	14	QUEEN I FRIDGE	20	1	12	1.00	12
15	QUEEN J BATHROOM	20	1	2	0.50	1	16	QUEEN I BATHROOM	20	1	2	0.50	1
17	COMMON AREA LIGHTING 2ND FLR	20	1	12	1.00	12	18	MASSAGE ROOM LIGHTING	20	1	12	0.70	8
19	COMMON AREA RECEPTS 2ND FLR	20	1	12	0.50	6	20	MASSAGE ROOM RECEPTS	20	1	9	0.50	5
21	SPARE	20	1			0	22	SPARE	20	1			0
23	SPARE	20	1			0	24	SPARE	20	1			0
25	SPARE	20	1			0	26	CU-H	30	2	22	0.70	15
27	SPARE	20	1			0	28	CU-I	30	2	22	0.70	15
29	CU-1	30	2	22	0.70	15	30	CU-I	30	2	22	0.70	15
31						0	32	CU-J	30	2	22	0.70	15
33	CU-K	30	2	22	0.70	15	34	CU-J	30	2	22	0.70	15
35						0	36						0
37	SPARE	20	1			0	38	SPARE	20	1			0
39	SPARE	20	1			0	40	SPARE	20	1			0
41	SPARE	20	1			0	42	SPARE	20	1			0

PROVIDE WITH FEED THRU LUGS FOR SECTION 2

Section 1
Tot Amps/PH - Connected Load 102.17
Demand Factor 70.88%
Total Amps/PH - Demand 72.42
Connected KVA 36.76
Demand KVA 26.06
Min. Panel Size (Demand x 1.25) - Amps 90.52

PANEL HP (ELECT RM GROUND FLR) SECTION 2 120/208 3PH 4W 400 AMP BUS - MLO 42K AIC NEMA TYPE 1 (SURFACE)

CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA
43	KING E LIGHTS	20	1	12	0.70	8	44	KING F LIGHTS	20	1	12	0.70	8
45	KING E RECEPTS	20	1	9	0.50	5	46	KING F RECEPTS	20	1	12	0.50	6
47	KING E RECEPTS	20	1	9	0.50	5	48	KING F FRIDGE	20	1	12	1.00	12
49	KING E FRIDGE	20	1	12	1.00	12	50	KING F BATHROOM	20	1	2	0.50	1
51	KING E BATHROOM	20	1	3	0.50	2	52	QUEEN G LIGHTS	20	1	12	0.70	8
53	FIRST FLOOR LIGHTING (COMMON)	20	1	15	1.00	15	54	QUEEN G RECEPTS	20	1	14	0.50	7
55	FIRST FLOOR COMMON AREA RECEPTS	20	1	12	0.50	6	56	QUEEN G FRIDGE	20	1	12	1.00	12
57	RECEPTION RESEPTS	20	1		0.50	0	58	QUEEN G BATHROOM	20	1	2	0.50	1
59	SPARE	20	1			0	60	SPARE	20	1			0
61	SPARE	20	1			0	62	SPARE	20	1			0
63	CU-C	30	2	22	0.70	15	64	CU-D	30	2	22	0.70	15
65						0	66	CU-D	30	2	22	0.70	15
67	CU-E	30	2	22	0.70	15	68	CU-F	30	2	22	0.70	15
69						0	70	CU-F	30	2	22	0.70	15
71						0	72	CU-G	30	2	22	0.70	15
73	PANEL KP FEEDER (SHUNT TRIP)	225	3		0.00	0	74	CU-G	30	2	22	0.70	15
75						0	76	AUTO DOOR OPERATOR GROUND FLR	20	1	5	0.50	3
77	SPACE					0	78	EXTERIOR BUILDING MOUNTED LIGHT	20	1	15	0.70	11
79	PANEL PP FEEDER	225	3	212	0.99	210	80	PANEL BP FEEDER	225	3	26	0.68	17
81				212	0.99	210	82				26	0.68	17
83				212	0.99	210	84				26	0.68	17

AT - Amp Trip
P - Poles
A - Amps
CA - Connected Amperes
DF - Demand Factor (1 - 1)
DA - Demand Amperes
MLO - Main Lug Only
MCB - Main Circuit Breaker

Section 2
Tot Amps/PH - Connected Load 329.83
Demand Factor 88.79%
Total Amps/PH - Demand 292.84
Connected KVA 118.69
Demand KVA 105.38
Min. Panel Size (Demand x 1.25) - Amps 366.05

NOTES:
1. PROVIDE ARC FAULT TYPE CIRCUIT BREAKERS IN ACCORDANCE WITH NEC 210.12
2. PROVIDE TAMPER RESISTANT OUTLETS PER NEC 406.11 SECTION 210.52

PANEL PP (2ND FLR ELEC CLOSET) SECTION 2 120/208 3PH 4W 225 AMP BUS - MLO 42K AIC NEMA TYPE 1 (SURFACE)

CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA
43	KING M LIGHTS	20	1	12	0.70	8	44	KING N LIGHTS	20	1	12	0.70	8
45	KING M RECEPTS	20	1	12	0.50	6	46	KING N RECEPTS	20	1	12	0.50	6
47	KING M FRIDGE	20	1	12	1.00	12	48	KING N FRIDGE	20	1	12	1.00	12
49	KING M BATHROOM	20	1	2	0.50	1	50	KING N BATHROOM	20	1	2	0.50	1
51	KING O LIGHTS	20	1	12	0.70	8	52	KING P LIGHTS	20	1	12	0.70	8
53	KING O RECEPTS	20	1	12	0.50	6	54	KING P RECEPTS	20	1	12	0.50	6
55	KING O FRIDGE	20	1	12	1.00	12	56	KING P FRIDGE	20	1	12	1.00	12
57	KING O BATHROOM	20	1	2	0.50	1	58	KING P BATHROOM	20	1	2	0.50	1
59	COMMON AREA LIGHTING 3RD FLR	20	1	12	1.00	12	60	SPARE	20	1			0
61	COMMON AREA RECEPTS 3RD FLR	20	1	12	0.50	6	62	SPARE	20	1			0
63	SPARE	20	1			0	64	SPARE	20	1			0
65	SPARE	20	1			0	66	CU-BASE	30	2	22	0.70	15
67	CU-2	30	2	22	0.70	15	68						0
69						0	70	CU-M	30	2	22	0.70	15
71	CU-N	30	2	22	0.70	15	72						0
73						0	74	CU-O	30	2	22	0.70	15
75	CU-P	30	2	22	0.70	15	76						0
77						0	78	CU-L	30	2	22	0.70	15
79	SPARE	20	1			0	80						0
81	SPARE	20	1			0	82	SPARE	20	1			0
83	SPARE	20	1			0	84	SPARE	20	1			0

AT - Amp Trip
P - Poles
A - Amps
CA - Connected Amperes
DF - Demand Factor (1 - 1)
DA - Demand Amperes
MLO - Main Lug Only
MCB - Main Circuit Breaker

Section 2
Tot Amps/PH - Connected Load 109.33
Demand Factor 71.46%
Total Amps/PH - Demand 78.13
Connected KVA 39.34
Demand KVA 28.12
Min. Panel Size (Demand x 1.25) - Amps 97.67

NOTES:
1. PROVIDE ARC FAULT TYPE CIRCUIT BREAKERS IN ACCORDANCE WITH NEC 210.12
2. PROVIDE TAMPER RESISTANT OUTLETS PER NEC 406.11 SECTION 210.52