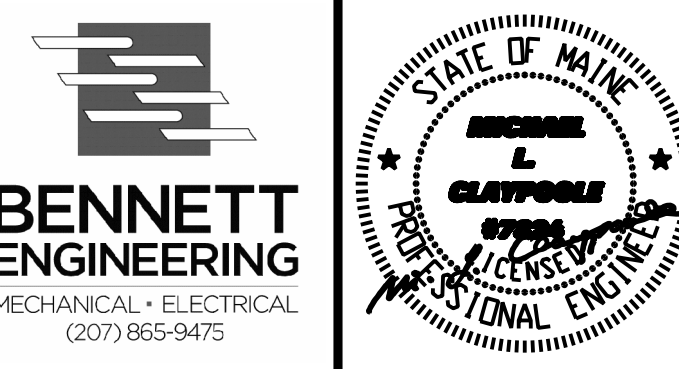


GENERAL NOTES:

REVISIONS:



5 Fundy Road Phone: 207-781-3344
 Falmouth, Maine 04105 Fax: 207-699-5564
 Online @ foresidearchitects.com

Project Status:
 Bid Set

Project Number:
 SR0712

Project Title:
 Seaside Rehab & Healthcare Center
 850 Baxter Blvd
 Portland, ME

Drawing Name:
 PANEL SCHEDULES

Scale:
 NOT TO SCALE

Date:
 10/29/12

E4.2

PANEL EHP (ELECTRICAL ROOM) SECTION 1 480/277 3PH 4W 400 AMP BUS - MLO 42K AIC NEMA TYPE 1 (SURFACE)																		
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	AT	DA						
1	ELEVATOR	70	70	3	70	0.20	14	2	SPARE	20	20	1	0					
3					70	0.20	14	4	SPARE	20	20	1	0					
5					70	0.20	14	6	SPARE	20	20	1	0					
7											8				0			
9											10				0			
11							12				0							
13	ERV-1	20	20	3	14	1.00	14	14				0						
15					14	1.00	14	16						0				
17					14	1.00	14	18						0				
19											20	ERV-2	20	20	3	14	1.00	14
21											22					14	1.00	14
23							24								0			
25							26								0			
27							28								0			
29							30								0			
31							32								0			
33							34								0			
35							36								0			
37							38								0			
39							40	DTT #2	100	100	3	266	0.67	178				
41							42					266	0.67	178				

LOCATION: ELECTRICAL ROOM

AF - Amp Frame
 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 1
Tot Amps/PH - Connected Load 363.93
Demand Factor 60%
Total Amps/PH - Demand 219.70
Connected KVA 302.21
Demand KVA 182.44
Min. Panel Size (Demand x 1.25) - Amps 274.63
Panel Size (Demand x 1.56) - Amperes 342.73

PANEL LP (ELECTRICAL ROOM) SECTION 1 120/208 3PH 4W 225 AMP BUS - MLO 22K AIC NEMA TYPE 1 (SURFACE)															
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	AT	DA			
1	SAC-1, SAC-2, SAC-3, SAC-4, SAC-5, SAC-6	15	15	2	1	1.00	1	2	COUNTER RECEIPT DINING 117	20	20	1	14	0.50	7
3					1	1.00	1	4	COUNTER RECEIPT DINING 117	20	20	1	14	0.50	7
5					1	1.00	1	6	COUNTER RECEIPT DINING 117	20	20	1	14	0.50	7
7					1	1.00	1	8	RECEPTS DINING 117	20	20	1	5	0.50	2
9	SAC-8, SAC-9, SAC-10, SAC-11, SAC-12, SAC-13	15	15	2	1	1.00	1	10	SAC-14, SAC-15, SAC-16	15	15	2	1	1.00	1
11					1	1.00	1	12					1	1.00	1
13	SAC-18, SAC-19, SAC-20, SAC-21	15	15	2	1	1.00	1	14	SAC-17	15	15	2	1	1.00	1
15					1	1.00	1	16					1	1.00	1
17					1	1.00	1	18					WH-2 RM 174 & WH-2 STAIR 1	20	20
19	RECEPTS ROOMS 101, 102 & 174	20	20	1	8	0.50	4	20	COUNTER RECEIPT COMMUNITY 153	20	20	1	12	0.50	6
21	WH-2 CORR 176 & WH-2 STAIR 2	20	20	1	8	1.00	8	22	COUNTER RECEIPT COMMUNITY 153	20	20	1	12	0.50	6
23	RECEPTS ROOMS 130, 133 & 176	20	20	1	9	0.50	5	24	COUNTER RECEIPT COMMUNITY 153	20	20	1	12	0.50	6
25	RECEPTS NURSES STA 122	20	20	1	5	0.50	2	26	RECEPTS COMMUNITY 153	20	20	1	5	0.50	2
27	RECEPTS NURSES STA 122	20	20	1	6	0.50	3	28	RECEPTS NURSES STA 122	20	20	1	6	0.50	3
29	RECEPTS NURSES STA 122	20	20	1	6	0.50	3	30	RECEPTS NURSES STA 122	20	20	1	6	0.50	3
31	RECEPTS ROOMS 121, 175 & 177	20	20	1	9	0.50	5	32	REFRIGERATOR MEDS 1ST FLR	20	20	1	14	0.50	7
33	RECEPTS TEL/COM	20	20	1	3	0.50	2	34	RECEPTS IT ROOM	20	20	1	3	0.50	2
35	RECEPTS TEL/COM	20	20	1	3	0.50	2	36	RECEPTS IT ROOM	20	20	1	3	0.50	2
37	TCP	20	20	1	4	1.00	4	38	RECEPTS IT ROOM	20	20	1	3	0.50	2
39	SERVER	20	20	1	14	1.00	14	40	SAC-IT	15	15	2	13	1.00	13
41	SPARE	20	20	1			0	42					13	1.00	13

LOCATION: ELECTRICAL ROOM

AF - Amp Frame
 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 1
Tot Amps/PH - Connected Load 82.65
Demand Factor 63%
Total Amps/PH - Demand 51.81
Connected KVA 25.74
Demand KVA 15.64
Min. Panel Size (Demand x 1.25) - Amps 64.77
Panel Size (Demand x 1.56) - Amperes 80.83

COMBINED SECTION LOADS
Tot Amps/PH - Connected Load 144.27
Demand Factor 65%
Total Amps/PH - Demand 93.69
Connected KVA 51.92
Demand KVA 33.71
Min. Panel Size (Demand x 1.25) - Amps 117.11
Panel Size (Demand x 1.56) - Amperes 146.16

PANEL ELP (ELECTRICAL ROOM) SECTION 1 120/208 3PH 4W 400 AMP BUS - MLO 22K AIC NEMA TYPE 1 (SURFACE)															
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	AT	DA			
1	RECEPT IN RES RM'S 105, 106, 111 & 112	20	20	1	6	0.50	3	2	RECEPT IN RES RM'S 205, 206, 211 & 212	20	20	1	6	0.50	3
3	RECEPT IN RES RM'S 123, 128 & 129	20	20	1	5	0.50	2	4	RECEPT IN RES RM'S 223, 228 & 229	20	20	1	5	0.50	2
5	RECEPT IN RES RM'S 134, 139, 140, & 146	20	20	1	6	0.50	3	6	RECEPT IN RES RM'S 234, 239, 240, & 246	20	20	1	6	0.50	3
7	RECEPT IN RES RM'S 147, 152, 154, & 159	20	20	1	6	0.50	3	8	RECEPT IN RES RM'S 247, 252, 254, & 259	20	20	1	6	0.50	3
9	RECEPT IN RES RM'S 160, 166, 167, & 172	20	20	1	6	0.50	3	10	RECEPT IN RES RM'S 260, 266, 267, & 272	20	20	1	6	0.50	3
11	ELEVATOR POWER	20	20	1	4	1.00	4	12	SPARE	20	20	1			0
13	SPARE	20	20	1			0	14	B1	20	20	1	14	0.70	10
15	RECEPTS EMR	20	20	1	3	0.50	2	16	CP1	20	20	1	5	0.70	4
17	CP-6	20	20	1	2	0.70	1	18	B2	20	20	1	14	0.70	10
19	CP-7	20	20	1	1	0.70	1	20	CP2	20	20	1	5	0.70	4
21	CP-5	20	20	1	2	0.70	1	22	RECEPT @ ERV-1	20	20	1	2	0.50	1
23	RECEPT @ CU-1	20	20	1	2	0.50	1	24	RECEPT @ ERV-2	20	20	1	2	0.50	1
25	ELEVATOR PIT LIGHT & RECEPT	20	20	1	4	0.50	2	26	ELEVATOR SUMP PUMP CONTROL PANEL	20	20	1	6	1.00	6
27	SPARE	20	20	1			0	28	SPARE	20	20	1			0
29	SPARE	20	20	1			0	30	SPARE	20	20	1			0
31	LIGHTS COMMUNITY 153	20	20	1	6	0.50	3	32	SPARE	20	20	1			0
33	SPARE	20	20	1			0	34	SPARE	20	20	1			0
35	LIGHTS DINING 117 CENTER	20	20	1	10	0.50	5	36	LIGHTS DINING 117 PREIMETER	20	20	1	10	0.50	5
37	LIGHTS DINING 117 CENTER	20	20	1	8	0.50	4	38	LIGHTS DINING 117 PREIMETER	20	20	1	10	0.50	5
39	LIGHTS COMMUNITY 253	20	20	1	12	0.50	6	40	SPARE	20	20	1			0
41	LIGHTS ELECT. EMR, MECHANICAL	20	20	1	10	0.50	5	42	DRY SYSTEM COMPRESSOR	20	20	1	14	0.70	10

LOCATION: ELECTRICAL ROOM

AF - Amp Frame
 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 1
Tot Amps/PH - Connected Load 67.67
Demand Factor 58%
Total Amps/PH - Demand 39.30
Connected KVA 24.35
Demand KVA 14.14
Min. Panel Size (Demand x 1.25) - Amps 49.13
Panel Size (Demand x 1.56) - Amperes 61.31

COMBINED SECTION LOADS
Tot Amps/PH - Connected Load 266.33
Demand Factor 67%
Total Amps/PH - Demand 178.10
Connected KVA 95.84
Demand KVA 64.09
Min. Panel Size (Demand x 1.25) - Amps 222.63
Panel Size (Demand x 1.56) - Amperes 277.84

PANEL LP (ELECTRICAL ROOM) SECTION 2 120/208 3PH 4W 225 AMP BUS - MLO 22K AIC NEMA TYPE 1 (SURFACE)															
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	AT	DA			
43	DINING 117	20	20	1	6	0.50	3	44	SAC-22, SAC-23, SAC-24, SAC-25, SAC-26, SAC-27	15	15	2	1	1.00	1
45	SAC-28, SAC-38	15	15	2	2	1.00	2	46	SAC-29, SAC-30, SAC-31, SAC-32, SAC-33, SAC-34	15	15	2	1	1.00	1
47					2	1.00	2	48					1	1.00	1
49	SAC-35, SAC-36, SAC-37, SAC-39, SAC-40, SAC-41, SAC-42	15	15	2	1	1.00	1	50	WH-2 & RECEPTS STAIR 1	20	20	1	10	0.50	5
51							0	52	WH-2 & RECEPTS STAIR 2	20	20	1	10	0.50	5
53	COUNTER RECEIPT COMMUNITY 253	20	20	1	12	0.50	6	54	COUNTER RECEIPT NURSES STA 222	20	20	1	3	0.50	2
55	COUNTER RECEIPT COMMUNITY 253	20	20	1	12	0.50	6	56	COUNTER RECEIPT NURSES STA 222	20	20	1	3	0.50	2
57	COUNTER RECEIPT COMMUNITY 253	20	20	1	12	0.50	6	58	COUNTER RECEIPT NURSES STA 222	20	20	1	3	0.50	2
59	RECEPTS COMMUNITY 253	20	20	1	10	0.50	5	60	COUNTER RECEIPT NURSES STA 222	20	20	1	3	0.50	2
61	RECEPTS 2ND FLR MEDS AND SPA	20	20	1	6	0.50	3	62	COUNTER RECEIPT NURSES STA 222	20	20	1	3	0.50	2
63	RECEPTS 2ND FLR JC AND CORRIDOR	20	20	1	5	0.50	2	64	RECEPTS NURSES STA 222	20	20	1	5	0.50	2
65	TCP 2ND FLR	20	20	1	6	1.00	6	66	REFRIGERATOR MEDS 2ND FLR	20	20	1	14	1.00	14
67	RECEPTS ELECT RM	20	20	1	3	0.50	2	68	RECEPTS STORE	20	20	1	5	0.50	2
69	TCP'S AND ETP MECH RM	20	20	1	10	1.00	10	70	RECEPTS MECHANICAL ROOM	20	20	1	6	0.50	3
71	LIGHTS SPA, STORE, JC	20	20	1	6	0.50	3	72	SPARE	20	20	1			0
73	SAC-EMR	15	15	2	13	1.00	13	74	SPARE	20	20	1			0
75					13	1.00	13	76	SPARE	20	20	1			0
77	SPARE	20	20	1			0	78							0
79							0	80							0
81							0	82							0
83							0	84							0

LOCATION: ELECTRICAL ROOM

AF - Amp Frame
 AT - Amp Trip
 P - Poles
 A - Amps
 CA - Connected Amperes
 DF - Demand Factor (1 - .1)
 DA - Demand Amperes