PANEL HP2 (ROOM 222) SECTION 1 120/208 3PH 4W 400 AMP BUS - MLO 22K AIC NEMA TYPE 1 (RECESSED)

CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
1	LIGHTS RES RM 205	20	20	1	4	1.00	4	2	LIGHTS RES RM 206	20	20	1	4	1.00	4
3	BATHROOM 204 RECEPT	20	20	1	14	0.50	7	4	BATHROOM 207 RECEPT	20	20	1	14	0.50	7
5	RES RM 205 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	6	RES RM 206 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
7	LIGHTS RES RM 211	20	20	1	4	1.00	4	8	LIGHTS RES RM 212	20	20	1	4	1.00	4
9	BATHROOM 210 RECEPT	20	20	1	14	0.50	7	10	BATHROOM 213 RECEPT	20	20	1	14	0.50	7
11	RES RM 211 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	12	RES RM 212 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
13	LIGHTS RES RM 223	20	20	1	4	1.00	4	14	LIGHTS RES RM 228	20	20	1	4	1.00	4
15	BATHROOM 227 RECEPT	20	20	1	14	0.50	7	16	BATHROOM 224 RECEPT	20	20	1	14	0.50	7
17	RES RM 223 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	18	RES RM 228 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
19	LIGHTS RES RM 229	20	20	1	4	1.00	4	20	LIGHTS RES RM 234	20	20	1	4	1.00	4
21	BATHROOM 232 RECEPT	20	20	1	14	0.50	7	22	BATHROOM 238 RECEPT	20	20	1	14	0.50	7
23	RES RM 229 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	24	RES RM 234 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
25	LIGHTS RES RM 239	20	20	1	4	1.00	4	26	LIGHTS RES RM 240	20	20	1	4	1.00	4
27	BATHROOM 235 RECEPT	20	20	1	14	0.50	7	28	BATHROOM 242 RECEPT	20	20	1	14	0.50	7
29	RES RM 239 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	30	RES RM 240 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
31	LIGHTS RES RM 247	20	20	1	4	1.00	4	32	LIGHTS RES RM 246	20	20	1	4	1.00	4
33	BATHROOM 248 RECEPT	20	20	1	14	0.50	7	34	BATHROOM 245 RECEPT	20	20	1	14	0.50	7
35	RES RM 247 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	36	RES RM 246 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
37	LIGHTS RES RM 252	20	20	1	4	1.00	4	38	LIGHTS RES RM 254	20	20	1	4	1.00	4
39	BATHROOM 251 RECEPT	20	20	1	14	0.50	7	40	BATHROOM 258 RECEPT	20	20	1	14	0.50	7
41	RES RM 252 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	42	RES RM 254 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4

LOCATION: ROOM 222

AF - Amp Frame	Section 1		COMBINED SECTION LOADS	
AT - Amp Trip	**Tot Amps/PH - Connected Load**	**119.00**	**Tot Amps/PH - Connected Load**	**321.67**
P - Poles	**Demand Factor**	**58%**	**Demand Factor**	**58%**
A - Amps	**Total Amps/PH - Demand**	**68.83**	**Total Amps/PH - Demand**	**186.83**
CA - Connected Amperes	**Connected KVA**	**42.82**	**Connected KVA**	**115.75**
DF - Demand Factor (1 - .1)	**Demand KVA**	**24.77**	**Demand KVA**	**67.23**
DA - Demand Amperes	**Min. Panel Size (Demand x 1.25) - Amps**	**86.04**	**Min. Panel Size (Demand x 1.25) - Amps**	**233.54**
MLO - Main Lug Only	**Panel Size (Demand x 1.56) - Amperes**	**107.38**	**Panel Size (Demand x 1.56) - Amperes**	**291.46**
MCB - Main Circuit Breaker				

PANEL HP2 (ROOM 222) SECTION 2 120/208 3PH 4W 400 AMP BUS - MLO 22K AIC NEMA TYPE 1 (RECESSED)

CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
43	LIGHTS RES RM 259	20	20	1	4	1.00	4	44	LIGHTS RES RM 250	20	20	1	4	1.00	4
45	BATHROOM 255 RECEPT	20	20	1	14	0.50	7	46	BATHROOM 265 RECEPT	20	20	1	14	0.50	7
47	RES RM 259 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	48	RES RM 260 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
49	LIGHTS RES RM 266	20	20	1	4	1.00	4	50	LIGHTS RES RM 267	20	20	1	4	1.00	4
51	BATHROOM 262 RECEPT	20	20	1	14	0.50	7	52	BATHROOM 268 RECEPT	20	20	1	14	0.50	7
53	RES RM 266 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	54	RES RM 267 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
55	LIGHTS RES RM 272	20	20	1	4	1.00	4	56	SPARE	20	20	1			0
57	BATHROOM 271 RECEPT	20	20	1	14	0.50	7	58	SPARE	20	20	1			0
59	RES RM 272 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	60	SPARE	20	20	1			0
61	SPARE	20	20	1			0	62	SPARE	20	20	1			0
63	SPARE	20	20	1			0	64	SPARE	20	20	1			0
65			0				0	66			0				0
67			0				0	68			0				0
69			0				0	70			0				0
71			0				0	72			0				0
73			0				0	74			0				0
75			0				0	76			0				0
77			0				0	78			0				0
79			0				0	80					160	0.58	93
81			0				0	82	PANEL HP1 FEEDER	225	225	3	160	0.58	93
83			0				0	84					160	0.58	93

LOCATION: ROOM 222

AF - Amp Frame	Section 2	
AT - Amp Trip	**Tot Amps/PH - Connected Load**	**202.67**
P - Poles	**Demand Factor**	**58%**
A - Amps	**Total Amps/PH - Demand**	**118.00**
CA - Connected Amperes	**Connected KVA**	**72.93**
DF - Demand Factor (1 - .1)	**Demand KVA**	**42.46**
DA - Demand Amperes	**Min. Panel Size (Demand x 1.25) - Amps**	**147.50**
MLO - Main Lug Only	**Panel Size (Demand x 1.56) - Amperes**	**184.08**
MCB - Main Circuit Breaker		

PANEL HP1 (ROOM 122) SECTION 1 120/208 3PH 4W 225 AMP BUS - MLO 22K AIC NEMA TYPE 1 (RECESSED)

CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
1	LIGHTS RES RM 105	20	20	1	4	1.00	4	2	LIGHTS RES RM 106	20	20	1	4	1.00	4
3	BATHROOM 104 RECEPT	20	20	1	14	0.50	7	4	BATHROOM 107 RECEPT	20	20	1	14	0.50	7
5	RES RM 105 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	6	RES RM 106 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
7	LIGHTS RES RM 111	20	20	1	4	1.00	4	8	LIGHTS RES RM 112	20	20	1	4	1.00	4
9	BATHROOM 110 RECEPT	20	20	1	14	0.50	7	10	BATHROOM 113 RECEPT	20	20	1	14	0.50	7
11	RES RM 111 RECEPTS (5 TOTAL)	20	20	1	4	0.50	2	12	RES RM 112 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
13	LIGHTS RES RM 123	20	20	1	4	1.00	4	14	LIGHTS RES RM 128	20	20	1	4	1.00	4
15	BATHROOM 127 RECEPT	20	20	1	14	0.50	7	16	BATHROOM 124 RECEPT	20	20	1	14	0.50	7
17	RES RM 123 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	18	RES RM 128 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
19	LIGHTS RES RM 129	20	20	1	4	1.00	4	20	LIGHTS RES RM 134	20	20	1	4	1.00	4
21	BATHROOM 132 RECEPT	20	20	1	14	0.50	7	22	BATHROOM 138 RECEPT	20	20	1	14	0.50	7
23	RES RM 129 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	24	RES RM 134 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
25	LIGHTS RES RM 139	20	20	1	4	1.00	4	26	LIGHTS RES RM 140	20	20	1	4	1.00	4
27	BATHROOM 135 RECEPT	20	20	1	14	0.50	7	28	BATHROOM 142 RECEPT	20	20	1	14	0.50	7
29	RES RM 139 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	30	RES RM 140 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
31	LIGHTS RES RM 147	20	20	1	4	1.00	4	32	LIGHTS RES RM 146	20	20	1	4	1.00	4
33	BATHROOM 148 RECEPT	20	20	1	14	0.50	7	34	BATHROOM 145 RECEPT	20	20	1	14	0.50	7
35	RES RM 147 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	36	RES RM 146 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
37	LIGHTS RES RM 152	20	20	1	4	1.00	4	38	LIGHTS RES RM 154	20	20	1	4	1.00	4
39	BATHROOM 151 RECEPT	20	20	1	14	0.50	7	40	BATHROOM 158 RECEPT	20	20	1	14	0.50	7
41	RES RM 152 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4	42	RES RM 154 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4

LOCATION: ROOM 122

AF - Amp Frame	Section 1		COMBINED SECTION LOADS	
AT - Amp Trip	**Tot Amps/PH - Connected Load**	**117.83**	**Tot Amps/PH - Connected Load**	**160.17**
P - Poles	**Demand Factor**	**58%**	**Demand Factor**	**58%**
A - Amps	**Total Amps/PH - Demand**	**68.25**	**Total Amps/PH - Demand**	**93.42**
CA - Connected Amperes	**Connected KVA**	**42.40**	**Connected KVA**	**57.63**
DF - Demand Factor (1 - .1)	**Demand KVA**	**24.56**	**Demand KVA**	**33.62**
DA - Demand Amperes	**Min. Panel Size (Demand x 1.25) - Amps**	**85.31**	**Min. Panel Size (Demand x 1.25) - Amps**	**116.77**
MLO - Main Lug Only	**Panel Size (Demand x 1.56) - Amperes**	**106.47**	**Panel Size (Demand x 1.56) - Amperes**	**145.73**
MCB - Main Circuit Breaker				

PANEL HP1 (ROOM 122) SECTION 2 120/208 3PH 4W 225 AMP BUS - MLO 22K AIC NEMA TYPE 1 (RECESSED)

CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
43	LIGHTS RES RM 159	20	20	1	6	1.00	6	44	LIGHTS RES RM 160	20	20	1	6	1.00	6
45	BATHROOM 155 RECEPT	20	20	1	14	0.50	7	46	BATHROOM 165 RECEPT	20	20	1	14	0.50	7
47	RES RM 159 RECEPTS (5 TOTAL)	20	20	1	6	0.50	3	48	RES RM 160 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
49	LIGHTS RES RM 166	20	20	1	6	1.00	6	50	LIGHTS RES RM 167	20	20	1		1.00	0
51	BATHROOM 162 RECEPT	20	20	1	14	0.50	7	52	BATHROOM 168 RECEPT	20	20	1	14	0.50	7
53	RES RM 166 RECEPTS (5 TOTAL)	20	20	1	6	0.50	3	54	RES RM 167 RECEPTS (5 TOTAL)	20	20	1	8	0.50	4
55	LIGHTS RES RM 172	20	20	1	6	1.00	6	56	SPARE	20	20	1			0
57	BATHROOM 171 RECEPT	20	20	1	14	0.50	7	58	SPARE	20	20	1			0
59	RES RM 172 RECEPTS (5 TOTAL)	20	20	1	6	0.50	3	60	SPARE	20	20	1			0
61	SPARE	20	20	1			0	62	SPARE	20	20	1			0
63	SPARE	20	20	1			0	64	SPARE	20	20	1			0
65			0				0	66			0				0
67			0				0	68			0				0
69			0				0	70			0				0
71			0				0	72			0				0
73			0				0	74			0				0
75			0				0	76			0				0
77			0				0	78			0				0
79			0				0	80			0				0
81			0				0	82			0				0
83			0				0	84			0				0

LOCATION: ROOM 122

AF - Amp Frame	Section 2	
AT - Amp Trip	**Tot Amps/PH - Connected Load**	**42.33**
P - Poles	**Demand Factor**	**59%**
A - Amps	**Total Amps/PH - Demand**	**25.17**
CA - Connected Amperes	**Connected KVA**	**15.23**
DF - Demand Factor (1 - .1)	**Demand KVA**	**9.06**
DA - Demand Amperes	**Min. Panel Size (Demand x 1.25) - Amps**	**31.46**
MLO - Main Lug Only	**Panel Size (Demand x 1.56) - Amperes**	**39.26**
MCB - Main Circuit Breaker		

PANEL LSP (ELECTRICAL ROOM) SECTION 1 480/277 3PH 4W 100 AMP BUS - MLO 22K AIC NEMA TYPE 1 (SURFACE)

CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
1	LIGHTS CORRIDOR 174, 175, 176	20	20	1	10	1.00	10	2	LIGHTS CORRIDOR 274, 275, 276	20	20	1			0
3	WALL SCONCES CORRIDOR 273, 274, 275	20	20	1	10	1.00	10	4	WALL SCONCES CORRIDOR 273, 274, 275	20	20	1	10	1.00	10
5	LIGHTS CORRIDORS 174, 175, 176	20	20	1	10	1.00	10	6	LIGHTS NURSES STA & MEDS 2ND FLR	20	20	1	10	1.00	10
7	SPARE	20	20	1	4	1.00	4	8	WALL SCONCES CORRIDOR 174, 175, 176	20	20	1	10	0.50	5
9	LTS NURSE, MEDS, JC, IT & TEL/COM 1ST FLR	20	20	1	12	1.00	12	10	SPARE	20	20	1	4	1.00	4
11	WALL SCONCES CORRIDOR 174,175,176	20	20	1	10	0.50	5	12	LIGHTS STAIR 1, RM 102 & RM 202	20	20	1	6	1.00	6
13	LIGHTS STAIR 2, RM 130 & RM 230	20	20	1	6	1.00	6	14		20	20	1			0
15		20	20	1			0	16		20	20	1			0
17		20	20	1			0	18		20	20	1			0
19					3	1.00	3	20		20	20	1			0
21	DTT #3	25	25	3	3	1.00	3	22		20	20	1			0
23					3	1.00	3	24		20	20	1			0

LOCATION: ELECTRICAL ROOM

AF - Amp Frame		
AT - Amp Trip	**Tot Amps/PH - Connected Load**	**36.67**
P - Poles	**Demand Factor**	**91%**
A - Amps	**Total Amps/PH - Demand**	**33.33**
CA - Connected Amperes	**Connected KVA**	**30.45**
DF - Demand Factor (1 - .1)	**Demand KVA**	**27.68**
DA - Demand Amperes	**Min. Panel Size (Demand x 1.25) - Amps**	**41.67**
MLO - Main Lug Only	**Panel Size (Demand x 1.56) - Amperes**	**52.00**
MCB - Main Circuit Breaker		

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Project Status:
Bid Set

Project Number:
SR0712

Project Title:
Seaside Rehab & Healthcare Center
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Portland, ME

Drawing Name:
PANEL SCHEDULES

Scale:
NOT TO SCALE

Date:
10/29/12

SHEET
E4.3