Reviewed for Code Compliance
Inspection Division
City of Portland, Maine
Date: 11/12/14

PARTIAL BUILDING PLAN
SCALE: 3/32"=1'-0"

PANEL NP (IT ROOM 131) SECTION 1 120/208 3PH 4W 225 AMP BUS - MCB 42K AIC NEMA TYPE 1 (RECESSED)

CKT#	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT#	LOAD DESCRIPTION	AT	P	CA	DF	DA
1	SOFFIT LIGHTS	20	1	10	1.00	10	2	SOFFIT LIGHTS	20	1	10	1.00	10
3	SOFFIT LIGHTS	20	1	10	1.00	10	4	LIGHTS RM's 102.1,104, 104.1, 112, 113,115 & 135	20	1	8	1.00	8
5	RECEPTION AREA RECEPTS	20	1	8	0.50	4	6	RECEPTION AREA RECEPTS	20	1	6	0.50	3
7	COPIER RM 113	20	1	14	0.50	7	8	LOBBY COUNTER RECEPT	20	1	14	0.50	7
9	GREAT RM AQUARIUM	20	1	14	1.00	14	10	CORRIDOR MONITOR LOCATIONS	20	1	15	1.00	15
11	CORRIDOR MONITOR LOCATIONS	20	1	15	1.00	15	12	EQUIP RM 113 RECEPTS	20	1	8	0.50	4
13	LIGHTS RM's 116, 126, 127, 128, 131, 132 & 133	20	1	12	1.00	12	14	GREAT ROOM LIGHTS	20	1	13	1.00	13
15	LIGHTS RM 124	20	1	10	1.00	10	16	LIGHTS RM's 120,122,123,137, 138, 139 & 140	20	1	10	1.00	10
17	RM 115 REFRIGERATOR	20	1	12	1.00	12	18	RESTROOMS 102.1 & 104.1 RECETPS	20	1	3	0.50	2
19	RM 115 COUNTER RECEPTS	20	1	3	0.50	2	20	CONFERENCE RM 104 RECEPTS	20	1	8	0.50	4
21	RM 115 COUNTER RECEPTS	20	1	3	0.50	2	22	OFFICE 132 RECEPTS	20	1	8	0.50	4
23	RM 115 COUNTER RECEPTS	20	1	3	0.50	2	24	OFFICE 132 RECEPTS	20	1	9	0.50	5
25	LIVING RM 116 RECEEPTS	20	1	5	0.50	3	26	SERVER ROOM AND HALL 110 RECEPTS	20	1	3	0.50	2
27	ERSTROOMS 126 & 127 RECEPTS	20	1	3	0.50	2	28	SERVER	20	1	12	1.00	12
29	RESTROOM 126 HEATER	20	1	13	0.50	6	30	RESTROOM 127 HEATER	20	1	13	0.50	6
31	OFFICE 136 RECEPTS	20	1	8	0.50	4	32	REHAB RECEPTS	20	1	9	0.50	5
33	OFFICE 136 RECEPTS	20	1	8	0.50	4	34	REHAB & SPEECH RECEPTS	20	1	8	0.50	4
35	KITCHEN 139 REFRIGERATOR	20	1	12	1.00	12	36	KITCHEN 139 RANGE	50	2	32	0.50	16
37	KITCHEN 139 COUNTER RECEPTS	20	1	3	0.50	2	38				32	0.50	16
39	KITHCEN 139 DISHWASHER	20	1	12	0.50	6	40	ROOM's 119, 137 & 140 RECEPTS	20	1	12	0.50	6
41	KITCHEN 139 COUNTER RECEPTS	20	1	3	0.50	2	42	BATHROOMS 122 & 123 RECEPTS	20	1	3	0.50	2

PROVIDE WITH FEED THRU LUGS FOR SECTION 2

Section 1

Tot Amps/PH - Connected Load	**138.50**
Demand Factor	**69.61%**
Total Amps/PH - Demand	**96.42**
Connected KVA	**49.84**
Demand KVA	**34.69**
Min. Panel Size (Demand x 1.25) - Amps	**120.52**

PANEL NP (IT ROOM 131) SECTION 2 120/208 3PH 4W 225 AMP BUS - MLO 42K AIC NEMA TYPE 1 (RECESSED)

CKT#	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT#	LOAD DESCRIPTION	AT	P	CA	DF	DA
43	BATHROOM 122 HEATER	20	1	13	0.70	9	44	BATHROOM 123 HEATER	20	1	13	0.70	9
45	SCU-1	20	2	15	0.70	11	46	SCU-1A	20	2	13	0.70	9
47				15	0.70	11	48				13	0.70	9
49	KITCHEN 133 COUNTER RECEPT	20	1	2	0.50	1	50	SAC-2A, SAC-2B, SAC-2C, & SAC-2D	15	2	4	0.70	3
51	KITCHEN 133 COUNTER RECEPT	20	1	2	0.50	1	52				4	0.70	3
53	KITCHEN 133 COUNTER RECEPT	20	1	2	0.50	1	54	KITCHEN 133 REFRIGERATOR	20	1	12	1.00	12
55	KITCHEN 133 COUNTER RECEPT	20	1	2	0.50	1	56	KITCHEN 133 COUNTER RECEPT	20	1	2	0.50	1
57	KITCHEN 133 COUNTER RECEPT	20	1	2	0.50	1	58	KITCHEN 133 COUNTER RECEPT	20	1	2	0.50	1
59	KITCHEN 133 HOTPLATE	20	1	15	0.70	11	60	KITCHEN 133 UNDERCOUNTER FREEZER	20	1	12	1.00	12
61	KITCHEN 133 COMMERCIAL HOOD	20	1	15	1.00	15	62	KITCHEN 133 COUNTER RECEPT	20	1	2	0.50	1
63	KITCH 133 UNDERCOUNTER REFRIGERATOR	20	1	12	1.00	12	64	KITCHEN 133 COUNTER RECEPT	20	1	2	0.50	1
65	KITCHEN 133 COUNTER RECEPT	20	1	2	0.50	1	66	EF-1 ON ROOF	20	1	10	0.70	7
67	SPARE	20	1			0	68	SPARE	20	1			0
69	SPARE	20	1			0	70	SPARE	20	1			0
71	SPARE	20	1			0	72	SPARE	20	1			0
73	SPARE	20	1			0	74	SPARE	20	1			0
75	SPARE	20	1			0	76	SPARE	20	1			0
77	SPARE	20	1			0	78	SPARE	20	1			0
79	SPARE	20	1			0	80	SPARE	20	1			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	**61.67**
Demand Factor	**76.11%**
Total Amps/PH - Demand	**46.93**
Connected KVA	**22.19**
Demand KVA	**16.89**
Min. Panel Size (Demand x 1.25) - Amps	**58.67**

Total Combined Load

Tot Amps/PH - Connected Load	**200.17**
Demand Factor	**0.914685**
Total Amps/PH - Demand	**143.35**
Connected KVA	**72.03**
Demand KVA	**51.58**
Min. Panel Size (Demand x 1.25) - 179.19	

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

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GENERAL NOTES:

REVISIONS:
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Project Status:
Permit and Bid Set

Project Number:
SRH0314

STATE OF MAINE
STEVEN J. JOHNSON
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LICENSED
PROFESSIONAL ENGINEER

Seaside Rehabilitation and Healthcare Center
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Drawing Name:
PARTIAL BUILDING PLAN

Scale:
AS NOTED

Date:
07/18/14

SHEET:
E-1.1