Switchboard: MDP

Location: **Supply From:** MDP **Mounting:** DO NOT USE
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 100,000 A **Mains Rating:** 3000 A **MCB Rating:** 3000 A

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	HP	3	400 A	20 A	63934 VA	
2	HP1	3	400 A	20 A	0 VA	
3	RP1	3	400 A	200 A	51400 VA	
4	RP2	3	400 A	200 A	50520 VA	
5	RP3	3	400 A	200 A	48900 VA	
6	RP4	3	400 A	200 A	48820 VA	
7	RP5	3	400 A	200 A	82270 VA	
8	RP6	3	400 A	200 A	51676 VA	
9	RP7	3	400 A	200 A	44640 VA	
10	RP8	3	400 A	200 A	52160 VA	
11	RP9	3	400 A	200 A	72222 VA	
12	ATS 600A-EMERGENCY DISTRIBUTION PANEL	3	600 A	600 A	176970 VA	
13	LIFE SAFETY DISCONNECT	3	100 A	100 A	4955 VA	
14	REST	3	100 A	100 A	0 VA	
15	HVAC-ERV-1	3	400 A	70 A	29363 VA	
16	HVAC-ERV-2	3	400 A	100 A	30731 VA	
17	HVAC-ERV-3	3	400 A	100 A	30766 VA	
18	HVAC-MAU-1	3	400 A	80 A	19971 VA	
19	Power ELEV 2 EL-72	3	400 A	20 A	24600 VA	
20						
21						
22						
23						
24						

Total Conn. Load: 889782 VA
Total Amps: 2470 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	335129 VA	100.00%	335129 VA		
Heating	15000 VA	100.00%	15000 VA	**Total Conn. Load:**	889782 VA
Lighting	14730 VA	100.00%	14730 VA	**Total Est. Demand:**	636344 VA
Lighting - Dwelling Unit	35292 VA	40.53%	14302 VA	**Total Conn.:**	2470 A
Other	19971 VA	100.00%	19971 VA	**Total Est. Demand:**	1766 A
Power	75580 VA	100.00%	75580 VA		
Receptacle	394080 VA	41.02%	161632 VA		

Notes:

Branch Panel: RETAIL

Location: Retail 105 **Supply From:** **Mounting:** Wall Mounted
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: **Mains Rating:** 100 A **MCB Rating:**

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	HVAC-SCU-R1	20 A	2	2912	2912					2	20 A	HVAC-SCU-R2	2
3						2912	2912						4
5	Heating	20 A	1					1800					6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
		Total Load:		5824 VA		5824 VA		1800 VA					
		Total Amps:		54 A		54 A		15 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Heating	1800 VA	100.00%	1800 VA		
Other	11648 VA	100.00%	11648 VA	**Total Conn. Load:**	13448 VA
Power	0 VA	0.00%	0 VA	**Total Est. Demand:**	13448 VA
				Total Conn.:	37 A
				Total Est. Demand:	37 A

Notes:

Branch Panel: REST

Location: SERVICE ENTRANCE 116 **Supply From:** MDP **Mounting:** Wall Mounted
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: **Mains Rating:** 400 A **MCB Rating:**

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1													2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		0 VA		0 VA		0 VA					
		Total Amps:		0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:

Branch Panel: HP

Location: **Supply From:** MDP **Mounting:** Wall Mounted
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: **Mains Rating:** 400 A **MCB Rating:**

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	HVAC	20 A	2	2278	2278					2	20 A	HVAC	2
3						2278	2278						4
5	HVAC	20 A	2					2278	520	2	20 A	HVAC	6
7				2278	520								8
9	HVAC	20 A	1			720	3000			1	20 A	Heating MECHANICAL 226	10
11	HVAC ELECTRICAL 225	20 A	2					988	792	1	20 A	HVAC-EF-DW	12
13				988	3960								14
15						792	3960			3	20 A	HVAC-CT-1	16
17	HVAC-EF-KH-1	20 A	3					792	3960				18
19				792	988					2	20 A	HVAC	20
21	Receptacle	20 A	1			900	988						22
23	Receptacle Corridor	20 A	1					1260	180	1	20 A	Receptacle ICE 730	24
25	Receptacles Corridor	20 A	1	1080	1260					1	20 A	Receptacle STORAGE 623	26
27	Receptacle TEL/DAT 625	20 A	1			180	1620			1	20 A	Receptacles Corridor	28
29	Receptacle TEL/DAT 525	20 A	1					180	180	1	20 A	Receptacle ICE 530	30
31	Receptacle STORAGE 523	20 A	1	180	1620					1	20 A	Receptacles Corridor	32
33	Receptacle TEL/DAT 425	20 A	1			180	360			1	20 A	Receptacle STORAGE 423	34
35	Heating STAIR B ST-42	20 A	2					3000	3000	2	20 A	Heating STAIR A ST-41	36
37				3000	3000								38
39	Receptacle Corridor	20 A	1			1620	180			1	20 A	Receptacle ICE 330	40
41	Receptacle TEL/DAT 325	20 A	1					180	540	1	20 A	Receptacle STORAGE 323	42
43	Power	20 A	1	500	500					1	20 A	Power	44
45	Power	20 A	1			500	500			1	20 A	Power	46
47	Power	20 A	1					500	500	1	20 A	Power	48
49	Receptacle Corridor	20 A	1	1800									50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
		Total Load:		27022 VA		20056 VA		18850 VA					
		Total Amps:		227 A		169 A		157 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	22547 VA	100.00%	22547 VA		
Heating	15000 VA	100.00%	15000 VA	**Total Conn. Load:**	65927 VA
Power	14880 VA	100.00%	14880 VA	**Total Est. Demand:**	61827 VA
Receptacle	13500 VA	69.63%	9400 VA	**Total Conn.:**	183 A
				Total Est. Demand:	172 A

Notes:

Branch Panel: HP1

Location: **Supply From:** MDP **Mounting:** Wall Mounted
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: **Mains Rating:** 400 A **MCB Rating:**

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1													2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
		Total Load:		0 VA		0 VA		0 VA					
		Total Amps:		0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:

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No. 7824
LICENSED
PROFESSIONAL ENGINEER

Project Title

HYATT PLACE PORTLAND - OLD PORT

433 FORE STREET, PORTLAND, ME

CSS Project No. 12013

Mark	Date	Description

Project Status

ISSUED FOR CONSTRUCTION

03-01-2013

Drawing Title

Electrical Panel Schedules

Scale:

Drawing Number

E30.1