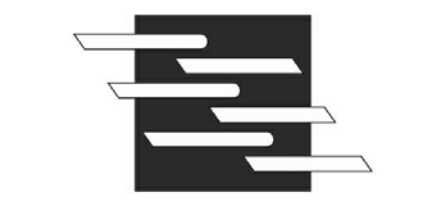


Project Title

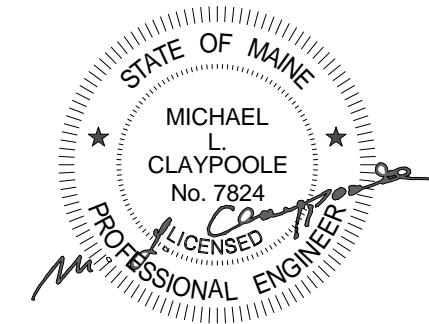
HYATT PLACE
PORTLAND - OLD
PORT

433 FORE STREET, PORTLAND, ME

CSS Project No. 12013



BENNETT ENGINEERING
MECHANICAL • ELECTRICAL
(207) 965-9475



Branch Panel: EDP

Location: Supply From: ATS 600A
Mounting: Wall Mounted

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Mains Rating: 200 A
MCB Rating:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1				13157	19733					2	
3	EDP2	200 A	3		10014	17810			3 200 A EDP3	4	
5				17186	2658			9437	18496	6	
7										8	
9	EDP4	200 A	3		18067	3445			3 200 A EDP5	10	
11						17717		4800		12	
13										14	
15	Power ELEV 1 EL-71	20 A	3	8200		8200				16	
17								8200		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:	60934 VA	57537 VA		58650 VA			
				Total Amps:	509 A	479 A		490 A			

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	28730 VA	100.00%	28730 VA	
Lighting	10816 VA	100.00%	10816 VA	Total Conn. Load: 179560 VA
Lighting - Dwelling Unit	31174 VA	41.26%	12861 VA	Total Est. Demand: 114703 VA
Power	24600 VA	100.00%	24600 VA	Total Conn.: 498 A
Receptacle	84240 VA	44.75%	37696 VA	Total Est. Demand: 318 A

Notes:

Branch Panel: EDP2

Location: Supply From: EDP
Mounting: Wall Mounted

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Mains Rating: 200 A
MCB Rating:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	HVAC MECHANICAL B-1	20 A	1	1200	1200				1 20 A HVAC MECHANICAL B-2	2	
3					240	240				4	
5	HVAC MECHANICAL BP-1	20 A	3		240	240			3 20 A HVAC MECHANICAL 226	6	
7										8	
9					2519	2519				10	
11	HVAC MECHANICAL CP-1	60 A	3			2519		2519	3 60 A HVAC MECHANICAL CP-2	12	
13					2519	2519				14	
15					1260	1260				16	
17	HVAC MECHANICAL CP-3	35 A	3			1260		1260	3 35 A HVAC MECHANICAL CP-4	18	
19					1260	1260				20	
21	HVAC MECHANICAL 226	20 A	1		744	744			1 20 A HVAC MECHANICAL 226	22	
23	HVAC	20 A	1					10	360	24	
25	Lighting - Dwelling Unit CORRIDOR 718	20 A	1	1320	360				2 20 A HVAC	26	
27	Lighting - Dwelling Unit ICE 730	20 A	1		329	481			1 20 A Lighting	28	
29	Lighting	20 A	1					651	592	1 20 A Lighting	30
31	Lighting	20 A	1	651	568				1 20 A Lighting	32	
33										34	
35										36	
37										38	
39										40	
41										42	
				Total Load:	13337 VA	10334 VA		9651 VA			
				Total Amps:	112 A	87 A		80 A			

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	28730 VA	100.00%	28730 VA	
Lighting	2816 VA	100.00%	2816 VA	Total Conn. Load: 33812 VA
Lighting - Dwelling Unit	2266 VA	100.00%	2266 VA	Total Est. Demand: 33812 VA
Power	0 VA	0.00%	0 VA	Total Conn.: 94 A
				Total Est. Demand: 94 A

Notes:

Branch Panel: EDP3

Location: Supply From: EDP
Mounting: Wall Mounted

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Mains Rating: 200 A
MCB Rating:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	Receptacle TVs RMs 214-216	20 A	1	1800	933				1 20 A Lighting - RM 214-216	2	
3	Receptacle KING TYPE - KA 316-TV	20 A	1		1800	933			1 20 A Lighting - RM 315, 316, 318-321	4	
5	Receptacle KING TYPE - KB 416-TV	20 A	1			1800		933	1 20 A Lighting - RM 415, 416, 418-421	6	
7	Receptacle KING TYPE - KB 516-TV	20 A	1	1800	869				1 20 A Lighting - RM 515, 516, 518-521	8	
9	Receptacle KING TYPE - KA 616	20 A	1		1800	933			1 20 A Lighting - RM 615, 616, 618-621	10	
11	Receptacle KING TYPE - KA 213-TV	20 A	1			1800		933	1 20 A Lighting - RM 309-314	12	
13	Receptacle KING TYPE - KA 413-TV	20 A	1	1800	933				1 20 A Lighting - RM 409-414	14	
15	Receptacle KING TYPE - KA 513-TV	20 A	1		1800	933			1 20 A Lighting - RM 509-514	16	
17	Receptacle KING TYPE - KA 613	20 A	1			1800		933	1 20 A Lighting - RM 609-614	18	
19	Receptacle KING TYPE - KA 210-TV	20 A	1	1800	933				1 20 A Lighting - RM 207-211	20	
21	Receptacle KING TYPE - KA 310-TV	20 A	1		1800	933			1 20 A Lighting - RM 211-213	22	
23	Receptacle KING TYPE - KA 410-TV	20 A	1			1800		933	1 20 A Lighting - Dwelling Unit KING TYPE - K...	24	
25	Receptacle KING TYPE - KA 510-TV	20 A	1	1800	933				1 20 A Lighting - Dwelling Unit KING TYPE - K...	26	
27	Receptacle KING TYPE - KA 610	20 A	1		1800	933			1 20 A Lighting - Dwelling Unit KING TYPE - K...	28	
29	Lighting KING TYPE - KA 207	20 A	1					933	933	1 20 A Lighting - Dwelling Unit KING TYPE - K...	30
31	Receptacle KING TYPE - KA 207-TV	20 A	1	1800	1800				1 20 A Receptacle KING TYPE - KA 204-TV	32	
33	Lighting - RM 201-206	20 A	1		697	933			1 20 A Lighting - RM 303-308	34	
35	Receptacle KING TYPE - KA 307-TV	20 A	1			1800		1244	1 20 A Lighting - Rm 403-408	36	
37	Receptacle KING TYPE - KA 407-TV	20 A	1	1800	933				1 20 A Lighting - RM 503-508	38	
39	Receptacle KING TYPE - KA 507-TV	20 A	1		1800	933			1 20 A Lighting - RM 603, 604, 605, 606, 607, 608, 609	40	
41	Receptacle KING TYPE - KA 607	20 A	1			1800		1084	1 20 A Lighting QUEEN TYPE - QA(1) 321	42	
				Total Load:	19934 VA	18028 VA		18726 VA			
				Total Amps:	167 A	150 A		157 A			

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	4288 VA	100.00%	4288 VA	
Lighting - Dwelling Unit	16400 VA	46.89%	7690 VA	Total Conn. Load: 56688 VA
Receptacle	36000 VA	51.11%	18400 VA	Total Est. Demand: 30378 VA
				Total Conn.: 157 A
				Total Est. Demand: 84 A

Notes:

Branch Panel: EDP4

Location: Supply From: EDP
Mounting: Wall Mounted

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Mains Rating: 200 A
MCB Rating:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	Receptacle QUEEN TYPE - QA 318-TV	20 A	1	1200	1244				1 20 A Lighting QUEEN TYPE - QA(1) 418	2	
3	Receptacle QUEEN TYPE - QA 418-TV	20 A	1		1200	1244			1 20 A Lighting - Dwelling Unit QUEEN TYPE - ...	4	
5	Receptacle QUEEN TYPE - QA 521-TV	20 A	1			1200		1200	1 20 A Receptacle QUEEN TYPE - QA 319	6	
7	Lighting QUEEN TYPE - QA(1) 618	20 A	1	1244	1200				1 20 A Receptacle QUEEN TYPE - QA(1) 621	8	
9	Receptacle QUEEN TYPE - QA 619	20 A	1		1200	1200			1 20 A Receptacle QUEEN TYPE - QA 519	10	
11	Receptacle QUEEN TYPE - QA 419	20 A	1			1200		1200	1 20 A Receptacle KING TYPE KB 236	12	
13	Receptacle KING TYPE - KA 201	20 A	1	1200	1800				1 20 A Receptacle KING TYPE - KB 326-TV	14	
15	Lighting - RM 301, 302, 326-329	20 A	1						1 20 A Receptacle QUEEN TYPE - QB 329-TV	16	
17	Lighting - RM 401, 402, 426-429	20 A	1		1244	1800			1 20 A Receptacle KING TYPE - KB 426-TV	18	
19	Receptacle QUEEN TYPE - QB 429-TV	20 A	1	1800	933				1 20 A Lighting - Dwelling Unit QUEEN TYPE - ...	20	
21	Lighting - RM 501, 502, 526-529	20 A	1		933	1800			1 20 A Receptacle KING TYPE - KB 526-TV	22	
23	Lighting - Dwelling Unit QUEEN TYPE - ...	20 A	1			933		1800	1 20 A Receptacle QUEEN TYPE - QB 529-TV	24	
25	Lighting - RM 601, 602, 626-629	20 A	1	933	1800				1 20 A Receptacle KING TYPE - KB 626	26	
27	Lighting - Dwelling Unit QUEEN TYPE - ...	20 A	1		933	1800			1 20 A Receptacle QUEEN TYPE - QB 629	28	
29	Lighting - Dwelling Unit KING TYPE - K...	20 A	1			697		2760	1 20 A Receptacle KING TYPE - KA 604	30	
31	Lighting - Dwelling Unit KING TYPE - K...	20 A	1	697	1800				1 20 A Receptacle KING TYPE - KA 304-TV	32	
33	Lighting - Dwelling Unit KING TYPE - K...	20 A	1		697	1800			1 20 A Receptacle KING TYPE - KA 404-TV	34	
35	Lighting - Dwelling Unit KING TYPE - K...	20 A	1			697		1800	1 20 A Receptacle KING TYPE - KA 504-TV	36	
37	Lighting - RM 701, 710, 711	20 A	1	444	1080				1 20 A Receptacle KING TYPE - KA 307	38	
39	Receptacle KING TYPE - KH 711-...	20 A	1		1200	1200			1 20 A Receptacle KING TYPE - KH 710- Livin...	40	
41	Lighting - RM 705-709	20 A	1		444	1200			1 20 A Receptacle KING TYPE - KH...	42	
				Total Load:	17375 VA	18251 VA		17864 VA			
				Total Amps:	145 A	153 A		149 A			

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	3200 VA	100.00%	3200 VA	
Lighting - Dwelling Unit	11050 VA	52.65%	5818 VA	Total Conn. Load: 53490 VA
Receptacle	39240 VA	50.19%	19696 VA	Total Est. Demand: 28714 VA
				Total Conn.: 148 A
				Total Est. Demand: 80 A

Notes:

Branch Panel: EDP5

Location: Supply From: EDP
Mounting: Wall Mounted

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: Mains Rating: 200 A
MCB Rating:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	Receptacle KING TYPE - KH 708-Livin...	20 A	1	1200	444				1 20 A Lighting - Dwelling Unit STAIR 2 ST-72	2	
3	Receptacle KING TYPE - KD 707-...	20 A	1		1200	620			1 20 A Lighting - Dwelling Unit KING TYPE - K...	4	
5	Receptacle KING TYPE - KK 705- Livin...	20 A	1			1200		1800	1 20 A Receptacle KING TYPE - KJ 704- Eat...	6	
7	Receptacle KING TYPE - KM 703-...	20 A	1	600	444				1 20 A Lighting - RM 702-704	8	
9	Receptacle KING TYPE - KL 703-...	20 A	1		1200	462			1 20 A Lighting - Dwelling Unit KING TYPE - K...	10	
11	Receptacle KING TYPE - KM 701-...	20 A	1			1800				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:	2688 VA	3482 VA		4800 VA			
				Total Amps:	22 A	30 A		41 A			

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	512 VA	100.00%	512 VA	
Lighting - Dwelling Unit	1458 VA	100.00%	1458 VA	Total Conn. Load: 10970 VA
Receptacle	9000 VA	80.00%	7200	