

ONE LINE DIAGRAM
SCALE: NONE

PANEL MP (Utility Rm 131) SECTION 1 480/277 3PH 4W 100 AMP BUS - MCB 42K AIC NEMA TYPE 1 (SURFACE)													
CKT	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT	LOAD DESCRIPTION	AT	P	CA	DF	DA
1	PANEL P2 VIA DTT	65	0.58	38			2	LIGHTS	20	1		1.00	0
3		65	0.58	38			4	SPARE	20	1			0
5		65	0.58	38			6	SPARE	20	1			0
7	SPARE	20	1				8	SPARE	20	1			0
9	SPARE	20	1				10	SPARE	20	1			0
11	SPARE	20	1				12	SPARE	20	1			0
13	SPARE	20	1				14	SPARE	20	1			0
15	SPARE	20	1				16	SPARE	20	1			0
17	SPARE	20	1				18	SPARE	20	1			0
19	SPARE	20	1				20	SPARE	20	1			0
21	SPARE	20	1				22	SPARE	20	1			0
23	SPARE	20	1				24	SPARE	20	1			0
25	SPARE	20	1				26	SPARE	20	1			0
27	SPARE	20	1				28	SPARE	20	1			0
29	SPARE	20	1				30	SPARE	20	1			0
31	SPARE	20	1				32	SPARE	20	1			0
33	SPARE	20	1				34	SPARE	20	1			0
35	SPARE	20	1				36	SPARE	20	1			0
37	SPARE	20	1				38	SPARE	20	1			0
39	SPARE	20	1				40	SPARE	20	1			0
41	SPARE	20	1				42	SPARE	20	1			0

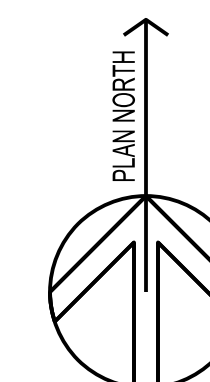
AF - Amp Frame
 AT - Amp Trip
 P - Poles
 A - Amps
 CA - Connected Amperes
 DF - Demand Factor (1 - .1)
 DA - Demand Amperes
 MLO - Main Lug Only
 MCB - Main Circuit Breaker
 ST - Shunt Trip Breaker

Tot Amps/PH - Connected Load 65.17
Demand Factor 58.18%
Total Amps/PH - Demand 37.92
Connected KVA 54.11
Demand KVA 31.49
Min. Panel Size (Demand x 1.25) - Amps 47.40

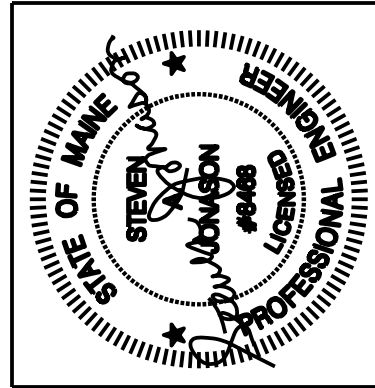
PANEL P2 (Utility Rm 131) SECTION 1 120/208 3PH 4W 125 AMP BUS - MCB 10K AIC NEMA TYPE 1 (SURFACE)													
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA
1	RECEPTS	20	1	12	0.50	6	2	RECEPTS RECEPTION AREA	20	1	12	0.50	6
3	RECEPTS CORRIDORS & WAITING	20	1	11	0.50	5	4	RECEPTS OFFICE 126 & TRAINING 124	20	1	9	0.50	5
5	RECEPTS TOILET 123 & PRETEST 121, 122	20	1	11	0.50	5	6	RECEPTS TECH 105 & CONTACTS 106	20	1	8	0.50	4
7	RECEPTS OFFICE 114 & STORAGE 113	20	1	9	0.50	5	8	RECEPTS BREAK ROOM	20	1	9	0.50	5
9	T B B	20	1	2	0.50	1	10	REFRIGERATOR BREAKROOM	20	1	12	1.00	12
11	RECEPT UTILITY	20	1	2	0.50	1	12	RECEPTS EXAM 127	20	1	6	0.50	3
13	RECEPTS ROOMS 107 & 117	20	1	12	0.50	6	14	RECEPTS EXAM 128	20	1	6	0.50	3
15	RECEPTS OPTICAL 104	20	1	6	0.50	3	16	RECEPTS EXAM 129	20	1	6	0.50	3
17	RECEPTS LAB	20	1	5	0.50	2	18	RECEPTS EXAM 130	20	1	6	0.50	3
19	RECEPTS LAB	20	1	5	0.50	2	20	EBB-1	20	2	10	0.70	7
21	WH-1 (VESTIBULE)	14	0.70	10			22		10		0.70	7	
23		14	0.70	10			24	AUTOMATIC DOOR OPERATORS	20	1	4	1.00	4
25	SPARE	20	1			0	26	SPARE	20	1			0
27	SPARE	20	1			0	28	SPARE	20	1			0
29	SPARE	20	1			0	30	SPARE	20	1			0
31	SPARE	20	1			0	32	SPARE	20	1			0
33	SPARE	20	1			0	34	SPARE	20	1			0
35	SPARE	20	1			0	36	SPARE	20	1			0
37	SPARE	20	1			0	38	SPARE	20	1			0
39	SPARE	20	1			0	40	SPARE	20	1			0
41	SPARE	20	1			0	42	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
 ST - Shunt Trip Breaker

Section 1
Tot Amps/PH - Connected Load 65.83
Demand Factor 58.91%
Total Amps/PH - Demand 38.78
Connected KVA 23.69
Demand KVA 13.96
Min. Panel Size (Demand x 1.25) - Amps 48.48



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Title
 ONE-LINE AND
 PANEL SCHEDULES

Scale: 1/4" = 1'-0"

Date:

Revisions
 1, 09/09/15 CD SUBMISSION

Sheet
E3