POWER WORK NOTES

1. CONTRACTOR SHALL COORDINATE AND CONFIRM ALL STORAGE ROOM EQUIPMENT AND ASSOCIATED POWER DEVICE LOCATIONS IN FIELD WITH ARCHITECT PRIOR TO ROUGH-IN.

POWER PLAN

SCALE: 1/8" = 1'-0"

PANEL PP (STORAGE RM) SECTION 1 120/208 3PH 4W 400 AMP MCB 22K AIC NEMA TYPE 1 (RECESSED) Feed thru Lugs

CKT#	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT#	LOAD DESCRIPTION	AT	P	CA	DF	DA
1	FACP	20	1	4	1.00	4	2	RECEPTS: VESTIBULE & CORRIDOR	20	1	11	0.50	5
3	RECEPTS: GEN USE CUSTODIAL & LOCKER RMS	20	1	11	0.50	5	4	RECEPT AT SINK: MENS LOCKER RM	20	1	14	0.50	7
5	RECEPT AT SINK: WOMENS LOCKER RM	20	1	14	0.50	7	6	TBB: TOP RECEPT	20	1	2	0.50	1
7	WH (GAS)	20	1	2	1.00	2	8	TBB: BOTTOM RECEPT	20	1	2	0.50	1
9	RECEPT AT BAR	20	1	12	1.00	12	10	DRINKING FOUNTAINS: FITNESS RM	20	1	5	1.00	5
11	COOLER LOCATED IN STORAGE	20	1	12	1.00	12	12	RECEPTS: GEN USE FITNESS RM	20	1	9	0.50	5
13	QUAD FLOOR RECEPT: MEETING/FLEX RM	20	1	3	0.50	2	14	WELDER	30	3	20	0.50	10
15	WELDER	30	3	20	0.50	10	16				20	0.50	10
17				20	0.50	10	18				20	0.50	10
19				20	0.50	10	20	GRINDER	30	1	20	0.50	10
21	RECEPT: FITNESS RM EQUIP	20	1	14	0.50	7	22	RECEPT: FITNESS RM EQUIP	20	1	14	0.50	7
23	RECEPT: FITNESS RM EQUIP	20	1	14	0.50	7	24	RECEPT: FITNESS RM EQUIP	20	1	14	0.50	7
25	RECEPT: FITNESS RM EQUIP	20	1	14	0.50	7	26	RECEPT: FITNESS RM EQUIP	20	1	14	0.50	7
27	RECEPT: FITNESS RM EQUIP	20	1	14	0.50	7	28	RECEPTS: GYM CLASS RM	20	1	6	0.50	3
29	GEN USE RECEPTS: STORAGE RM	20	1	11	0.50	5	30	F-1	20	1	13	1.00	13
31	OVERHEAD DOOR OPERATOR: STORAGE RM	20	1	12	0.20	2	32	RECEPTS: GEN USE MEETING/FLEX RM	20	1	8	0.50	4
33	RECEPTS: GEN USE MEETING/FLEX RM	20	1	8	0.50	4	34	OVERHEAD DOOR OPERATOR: MEETING/FLEX RM	20	1	12	0.20	2
35	OVERHEAD DOOR OPERATOR: MEETING/FLEX RM	20	1	12	0.20	2	36	REFRIGERATOR: MEETING/FLEX RM	20	1	12	1.00	12
37	REFRIGERATOR: MEETING/FLEX RM	20	1	12	1.00	12	38	DISHWASHER: MEETING/FLEX RM	20	1	12	0.50	6
39	COUNTER RECEPTS: MEETING/FLEX RM	20	1	3	0.50	2	40	COUNTER RECEPTS: MEETING/FLEX RM	20	1	3	0.50	2
41	COUNTER RECEPTS: MEETING/FLEX RM	20	1	3	0.50	2	42	LIGHTS: CUSTODIAL, LOCKER RMS & EXTERIOR FLOODS	20	1	9	0.80	8

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

PANEL PP (STORAGE RM) SECTION 2 120/208 3PH 4W 400 AMP MLO 22K AIC NEMA TYPE 1 (RECESSED)

CKT#	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT#	LOAD DESCRIPTION	AT	P	CA	DF	DA
43	LIGHTS: FITNESS & CARDIO RMS	20	1	12	0.80	10	44	LIGHTS: STORAGE RM	20	1	8	0.80	6
45	LIGHTS: MEETING/FLEX RM & PATIO	20	1	11	0.80	9	46	RECEPTS: EXTERIOR	20	1	8	0.50	4
47	ROOFTOP EXHAUST FAN (EF)	20	1	5	1.00	5	48	RTU-1	50	3	37	1.00	37
49	RECEPT AT RTU-1	20	1	2	0.50	1	50				37	1.00	37
51	RECEPT AT RTU-2	20	1	2	0.50	1	52				37	1.00	37
53	RTU-2	60	3	50	1.00	50	54	BAND SAW	30	3	20	0.50	10
55				50	1.00	50	56				20	0.50	10
57				50	1.00	50	58				20	0.50	10
59	SANDER	20	3	10	0.50	5	60	LATHE	20	3	10	0.50	5
61				10	0.50	5	62				10	0.50	5
63				10	0.50	5	64				10	0.50	5
65	MILL	40	3	30	0.50	15	66	RECEPT: STORAGE RM	20	1	2	0.50	1
67				30	0.50	15	68	RECEPT: STORAGE RM	20	1	2	0.50	1
69				30	0.50	15	70	RECEPT: STORAGE RM	20	1	2	0.50	1
71	RECEPT: STORAGE RM	20	1	2	0.50	1	72	GAS RANGE: MEETING/FLEX RM	20	1	12	0.50	6
73	LIGHTS: VESTIBULE & CORRIDOR	20	1	11	0.80	9	74	HAND DRYERS: MENS' & WOMENS' BATHROOMS	20	1	9	0.50	5
75	LIGHTING CONTACTOR PHOTOCELL/TIMECLOCK	20	1	4	0.80	3	76	BUILDING MOUNTED LIGHTS VIA LIGHTING CONTACTOR	20	1		0.80	0
77	POLE MOUNTED LIGHTS VIA LIGHTING CONTACTOR	20	1	10	0.80	8	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

STATE OF MAINE
STEVEN A. MCMASON
#9468
LICENSED
PROFESSIONAL ENGINEER

Reviewed for Code Compliance
Inspection Division
Portland, Maine
Date: 10/15/15

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POWER PLAN

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