

ELECTRICAL SYMBOLS

- LIGHTING**
- S_D 120/277V, 20A DIMMER SWITCH,
 - S_P 120/277V, 20A PILOT LIGHT SWITCH, SPECIFICATION GRADE
 - LED LIGHT FIXTURES
 - LED DOWNLIGHT
 - EMERGENCY LIGHT, BATTERY POWERED TWO LAMPS
 - OCCUPANCY SENSOR
W = WALL SWITCH TYPE, WITH DIMMING AND PHOTOCCELL. BASIS OF DESIGN IS HUBBELL LIGHTHAWK 2 LHD-IRS-3-N-WH
 - ILLUMINATED EXIT SIGN, LED TYPE SINGLE FACE OR DOUBLE FACE, ARROW INDICATES DIRECTION OF FLOW FOR THE FACE

- RECEPTACLES**
- DUPLEX RECEPTACLE, 120V, 20A, SPECIFICATION GRADE, NEMA 5-20 R
 - DUPLEX RECEPTACLE, 120V, 20A SPECIFICATION GRADE, NEMA 5-20 R SUBSCRIPT "G" INDICATES GROUND FAULT INTERRUPT

- LINE TYPE LEGEND**
- REMOVE EXISTING ITEMS
 - EXIST ITEMS TO REMAIN
 - PROVIDE ITEMS
 - S REMOVE SWITCH (REMOVALS DRAWINGS)
 - S PROVIDE SWITCH (INSTALLATION DRAWINGS)
 - S EXISTING SWITCH TO REMAIN

- GENERAL**
- MOTOR
 - NON-FUSED DISCONNECT SWITCH
 - FUSED DISCONNECT SWITCH WP INDICATES WEATHERPROOF.
 - COMBINATION MAGNETIC STARTER
 - JUNCTION BOX
 - A-1 BRANCH CIRCUIT HOMERUN, A-1 INDICATES PANEL DESIGNATION AND CIRCUIT NUMBER
 - EXISTING PANELBOARD
 - FIRE ALARM STROBE
 - FIRE ALARM CONTROL PANEL
 - HORN/STROBE

ELECTRICAL ABBREVIATIONS

- A, AMP AMPERE
- A3P AMPERES, 3-POLE
- AC ALTERNATING CURRENT
- AFF ABOVE FINISHED FLOOR
- AIC AMPERE INTERRUPTING CAPACITY
- AVG AVERAGE
- AWG AMERICAN WIRE GAUGE
- BKR BREAKER
- C CONDUCTOR, CONDUIT
- CAT CATALOG, CATEGORY
- CB CIRCUIT BREAKER
- CKT CIRCUIT
- CU COPPER
- DWG DRAWING
- EMT ELECTRICAL METALLIC TUBING
- FACP FIRE ALARM CONTROL PANEL
- G GROUND; GROUND FAULT CIRCUIT INTERRUPTER
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- HP HORSEPOWER
- HVAC HEATING, VENTILATION, AND AIR CONDITIONING
- KCMIL KILO-CIRCULAR MILS
- KVA KILO-VOLT-AMPERE
- KW KILO-WATT
- LED LIGHT EMITTING DIODE
- LTG LIGHTING
- M MOTOR LOAD TYPE FOR PANEL SCHEDULE
- MAX MAXIMUM
- MCB MAIN CIRCUIT BREAKER
- MIN MINIMUM
- MLO MAIN LUG ONLY
- N NEUTRAL
- NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- NFPA NATIONAL FIRE PROTECTION ASSOCIATION
- NIC NOT IN CONTRACT
- NO, # NUMBER
- OCC OCCUPANCY
- Ø PHASE
- P POLE
- P/O PART OF
- R RECEPTACLE LOAD TYPE FOR PANEL SCHEDULE
- REC RECEPTACLE
- RGS RIGID GALVANIZED STEEL
- RM ROOM
- RMC RIGID METAL CONDUIT
- SPDT SINGLE POLE, DOUBLE THROW
- SQ SQUARE
- SW SWITCH
- THHN HEAT RESISTANT THERMOPLASTIC WIRE WITH NYLON JACKET
- THWN MOISTURE & HEAT RESISTANT THERMOPLASTIC WIRE WITH NYLON JACKET
- TMGB TELECOM MAIN GROUND BUSBAR
- TYP TYPICAL
- UE UNDERGROUND ELECTRIC
- UL UNDERWRITERS LABORATORIES
- V VOLT
- VA VOLT AMPERE
- VFC VARIABLE FREQUENCY CONTROLLER
- W WATT, WIRE
- W/ WITH
- WP WEATHERPROOF

ELECTRICAL GENERAL NOTES

1. ELECTRICAL INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE CURRENTLY ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), NFPA, AND STATE AND LOCAL CODES.
2. WORK SHALL BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL TRADES.
3. ELECTRICAL EQUIPMENT AND WIRING SHALL BE NEW AND UL LISTED UNLESS OTHERWISE NOTED.
4. LIGHT FIXTURES AND OTHER CEILING MOUNTED ELECTRICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL WORK TO AVOID INTERFERENCE.
5. A SEPARATE GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH INDIVIDUAL CIRCUIT. METAL CONDUIT SHALL BE GROUNDED BUT SHALL NOT BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR.
6. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS AND REPORT DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL PROCEED WITH THE WORK ONLY AFTER THE DISCREPANCIES HAVE BEEN RESOLVED BY THE OWNER'S REPRESENTATIVE.
7. CONDUITS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE.
8. CONDUIT SHALL BE MINIMUM 1/2" UNLESS OTHERWISE NOTED.
9. A SEPARATE NEUTRAL CONDUCTOR SHALL BE PROVIDED FOR EACH INDIVIDUAL 120V CIRCUIT.

SQUARE D 44-89237-10 **REVISED PANELBOARD SCHEDULE A (EXISTING PANELBOARD)**

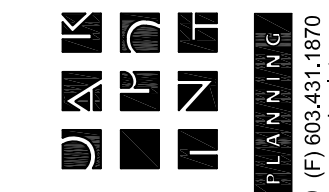
CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT BKR		CKT BKR		LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C			TRIP	POLE	TRIP	POLE			A	B	C	
1	.	.	.	EF-1, EF-D	-	20	1	20	1	-	RM 031, 033, 034 & LOFT LTS	.	.	.	2
3	.	.	.	EF-12, EF-B	-	20	1	20	1	-	RM 030, 032 & EF-A	.	.	.	4
5	.	.	.	EF-12	-	20	1	20	1	-	RM 001	.	.	.	6
7	.	.	.	EF-12	-	20	1	20	1	-	RM 001	.	.	.	8
9	.	.	.	CUH-1	-	20	1	20	1	-	RM 035	.	.	.	10
11	.	.	.	UV-2	-	20	1	20	1	-	RM 035	.	.	.	12
13	.	.	.	TOILET	-	20	1	20	1	-	RM 038 EWH	.	.	.	14
15	.	.	.	RM 035	-	20	1	20	1	-	4-PADDLE FANS	.	.	.	16
17	.	.	.	RM 035	-	20	1	20	1	-	EWG	.	.	.	18
19	.	.	.	RM 035	-	20	1	20	1	R	RECEPTACLE RM 144	1.5	.	.	20
21	.	.	.	RM 035	-	20	1	20	1	R	RECEPTACLE RM 141	.	3	.	22
23	.	.	.	RM 035	-	20	1	20	1	-	RM 030, 034, 040 & 043	.	.	.	24
25	.	.	.	VENDING 003	-	20	1	20	1	-	RM 042, 043 & VENDING	.	.	.	26
27	.	.	.	VENDING 003	-	20	1	20	1	-	RM 030, 040	.	.	.	28
29	.	.	.	VENDING 003	-	20	1	20	1	-	RM 043	.	.	.	30
31	.	.	.	VENDING 003	-	20	1	20	1	-	RM 030, STOMP VENDING	.	.	.	32
33	.	.	.	RM 030	-	20	1	20	1	-	FA PANEL	.	.	.	34
35	.	.	.	RM 032	-	20	1	20	1	-	TELEPHONE REC	.	.	.	36
37	.	.	.	RM 031	-	20	1	20	1	-	EF-11, RM 420	.	.	.	38
39	.	.	.	RM 034	-	20	1	20	1	-	-	.	.	.	40
41	.	.	.	CHEMICAL DISPOSAL-JAN	-	20	1	20	1	-	LIGHTS RM 141 & 144	.	.	.	42
TOTAL/PHASE				VOLTS: 120/208, 3 PHASE, 4 WIRE							DESIGNATION: A				
				MCB: <input type="checkbox"/>							LOCATION: RM 138				
				MLO: <input checked="" type="checkbox"/>							MOUNTING: SURFACE				
				FAULT AMPS:							BUS AMPS: 225				

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	SOURCE	LUMENS	VOLTS	W/VA	MOUNTING	NOTES	MANUFACTURER	CATALOG NUMBER
F1	RECESSED 12"x24"	LED	2756	120	23	RECESSED	1,2	COLUMBIA	LCA12-35LWG-R-EDU-FK12
F2	WALL MOUNT 4"x48"	LED	2079	120	28.4	WALL MOUNT	1,2	FINELITE	S17-LWED-ACF-SF-4'-H-8-35-120-SC
F3	RECESSED 2"	LED	900	120	17	RECESSED	1,2	PRESCOLITE	D2LED-2D9LED9L35K8-WFL4S
F4	SURFACE ROUND 5"	LED	679	120	12.7	SURFACE	1	PRESCOLITE	LBS-5LEDA6L-30K-9WH

FIXTURE SCHEDULE NOTES:

1. LIGHTING FIXTURES SHOWN IN LIGHTING FIXTURE SCHEDULE ARE TO INDICATE QUALITY, PERFORMANCE, STYLE AND APPEARANCE. EQUIVALENT FIXTURES FROM ALTERNATE MANUFACTURERS WILL BE RECEIVED DURING SUBMITTAL PROCESS.
2. FIXTURES SHALL BE DIMMABLE.



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PORTLAND, MAINE

WOODBURY CAMPUS CENTER
BATHROOM ADDITION
Portland, Maine

ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

SCALE: AS NOTED

DATE: 06-30-17

DWG: E-001

SHEET: 11 OF 12