

**POWER SYMBOLS**

- CIRCUIT BREAKER
- 20 AMPERE, 120 VOLT DUPLEX RECEPTACLE, +18" AFF
- 20 AMPERE, 120 VOLT DUPLEX HOSPITAL GRADE RECEPTACLE, +18" AFF
- 20 AMPERE, 120 VOLT DOUBLE DUPLEX RECEPTACLE, +18" AFF
- 20 AMPERE, 120 VOLT DOUBLE DUPLEX HOSPITAL GRADE RECEPTACLE, +18" AFF
- 20 AMPERE, 120 VOLT DUPLEX GFCI RECEPTACLE, +18" AFF
- 20 AMPERE, 120 VOLT DUPLEX HOSPITAL GRADE GFCI RECEPTACLE, +18" AFF
- OTHER POWER RECEPTACLE NEMA DESIGNATION AS NOTED
- JUNCTION BOX
- PANELBOARD NORMAL POWER
- FLOOR RECEPTACLE CONDUIT INSTALLED IN SLAB
- UNFUSED SAFETY SWITCH, RATING AS NOTED
- FUSED SAFETY SWITCH, RATING AS NOTED
- MAGNETIC MOTOR STARTER, RATING AS NOTED
- MANUAL TOGGLE OPERATED MOTOR STARTER

**SYSTEMS SYMBOLS**

- TELEPHONE SYSTEM WALL JACK
- COMBINATION VOICE/DATA SYSTEM OUTLET (2) - CAT6 DROPS UNLESS OTHERWISE NOTED I.E. "3D"
- COMBINATION VOICE/DATA SYSTEM OUTLET IN FLOOR BOX. FURNISH 1" CONDUIT IN SLAB
- CATV JACK
- PULL STATION
- FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (GENERAL EVACUATION)
- STROBE UNIT XX= CANDELA
- NON-SYSTEM STROBE UNIT
- SMOKE DETECTOR
- FIRE ALARM CONTROL PANEL

**FIRE ALARM SYMBOLS**

**ABBREVIATIONS**

A	AMPERE	LV	LOW VOLTAGE
AC	ALTERNATING CURRENT	MCB	MAIN CIRCUIT BREAKER
AF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
AFG	ABOVE FINISHED GRADE	MCP	MOTOR CIRCUIT PROTECTION
AIC	AMPERES INTERRUPTING CAPACITY	MH	METAL HALIDE
AL	ALUMINUM	EMH	ELECTRICAL MANHOLE
ASYM	ASYMMETRICAL	MLO	MAIN LUGS ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MO	MECHANICALLY OPERATED
AUX	AUXILIARY	MOD	MOTOR OPERATED DAMPER
AWG	AMERICAN WIRE GAUGE	MTS	MANUAL TRANSFER SWITCH
BKR	BREAKER	MV	MERCURY VAPOR
C	CONDUIT	MVA	MEGAVOLT-AMPERE
CAB	CABINET	NC	NORMALLY CLOSED
CB	CIRCUIT BREAKER	NO	NORMALLY OPENED
CKT	CIRCUIT	OH	OVERHEAD
CT	CURRENT TRANSFORMER	OL	OVER LOAD
CU	COPPER	OOA	ON-OFF-AUTOMATIC
DC	DIRECT CURRENT	OSY	OUTSIDE STEM & YOKE VALVE (FA SYSTEM)
DISC	DISCONNECT	P	POLE
EG	EQUIPMENT GROUND	PB	PUSH BUTTON
EH	ELECTRICALLY HELD	PF	POWER FACTOR
EM	EMERGENCY	PH	PHASE
EMT	ELECTRICAL METALLIC TUBING	PNL	PANEL
EO	ELECTRICALLY OPERATED	PRI	PRIMARY
EPR	ETHYLENE PROPYLENE RUBBER	PT	POTENTIAL TRANSFORMER
EQUIP	EQUIPMENT	PVC	POLYVINYL CHLORIDE
EX	EXTERIOR	RGSC	RIGID GALVANIZED STEEL CONDUIT
FA	FIRE ALARM	RVSS	REDUCED VOLTAGE SOLID STATE
FC	FOOT-CANDLE	RSC	RIGID STEEL CONDUIT
FDR	FEEDER	RVAT	REDUCED VOLTAGE AUTO TRANSFORMER
FLUOR	FLUORESCENT	S	SIGNAL
FS	FLOW SWITCH (FA SYSTEM)	SEC	SECONDARY
FVNR	FULL VOLTAGE NON REVERSING	SHLD	SHIELDED CABLE
FVR	FULL VOLTAGE REVERSING	SW	SWITCH
GEN	GENERATOR	SWBD	SWITCHBOARD
GF	GROUND FAULT	SYM	SYMMETRICAL
GFI	GROUND FAULT CIRCUIT INTERRUPTER	TEL	TELEPHONE
GND	GROUND	TR	TRANSFORMER
H	HAND HOLE	TBD	TO BE DETERMINED
HOA	HAND-OFF-AUTOMATIC	TD	TELEDIALER
HP	HORSE POWER	TDR	TIME DELAY RELAY
HPS	HIGH PRESSURE SODIUM	TEL	TELEPHONE
HV	HIGH VOLTAGE	TM	TELEMETRY
HZ	HERTZ	UG	UNDERGROUND
IG	ISOLATED GROUND	UT	UTILITY
IMC	INTERMEDIATE METAL CONDUIT	V	VOLT
INCAND	INCANDESCENT	VA	VOLT-AMPERE
JB	JUNCTION BOX	VFD	VARIABLE FREQUENCY DRIVE
KCMIL	THOUSAND CIRCULAR MILS	W	WATT
KV	KILOVOLT	WH	WATT HOUR
KVA	KILO VOLT-AMPERE	WP	WEATHERPROOF
KW	KILOWATT	WPF	TRANSFORMER
KWH	KILOWATT HOUR	XLP	CROSS LINKED POLYETHYLENE
LPS	LOW PRESSURE SODIUM LIGHTING	XP	EXPLOSION PROOF
LTG	LIGHTING		
LSW	LIGHT SWITCH		

**GENERAL NOTES**

- ALL WORK SHALL BE IN COMPLIANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE.
- ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE FURNISHED BY DIVISION 16000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
- UNLESS OTHERWISE NOTED, CONVENIENCE RECEPTACLES AND VOICE AND DATA OUTLETS SHALL BE MOUNTED 18 INCHES AFF AND LIGHTING TOGGLE SWITCHES 48 INCHES AFF. WALL MOUNTED TELEPHONE JACKS SHALL BE MOUNTED 48" AFF.
- FIRE ALARM DEVICES SHALL BE MOUNTED AS FOLLOWS: STROBES AND HORN STROBES SHALL BE WALL MOUNTED 80" AFF OR 6" BELOW CEILING WHICH EVER IS LOWER. FIRE ALARM PULL STATIONS SHALL BE MOUNTED 48" AFF TO TOP OF DEVICE.
- ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH A UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
- LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE, 120 VOLT, SIDE WIRED AS MANUFACTURED BY LEVITON, PASS & SEYMOUR, OR APPROVED EQUAL UNLESS OTHERWISE NOTED.
- CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE AND HOSPITAL SPECIFICATION GRADE IN EXAM/LAB ROOMS, GROUNDING TYPE, NEMA 5-20R, SIDE WIRED, AS MANUFACTURED BY LEVITON, PASS & SEYMOUR, OR APPROVED EQUAL.
- DEMOLITION NOTES: INTENT IS TO REMOVE ALL WIRING FEEDING EXISTING LOCATIONS SHOWN ON THE DEMOLITION PLAN IN COORDINATION WITH THE ARCHITECTURAL PHASING PLAN. IN AREAS WHERE LIGHTING FIXTURES ARE BEING REMOVED AND REINSTALLED INTO NEW CEILINGS IT MAY BE POSSIBLE TO REUSE EXISTING WIRING IF CONDITIONS WARRANT.
- UNLESS OTHERWISE NOTED ALL HOMERUNS FOR 15 OR 20A CIRCUITS SHALL BE 2#12AWG & #12 GND. HOMERUNS FED FROM 20A, 1P CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10AWG. ALL WIRING SHALL BE COPPER.
- CONDUIT SYSTEMS: MC CABLE SHALL BE USED ABOVE CEILINGS AND IN WALLS. FIRE ALARM WIRING SHALL BE IN MC CABLE ASSEMBLIES WITH RED FINISH.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RE-SUPPORTING VOICE/DATA CABLES THAT ARE TO REMAIN IN AREAS WHERE CEILING IS BEING REPLACED.
- INTENT DURING THE PHASED CONSTRUCTION IS TO ASSURE THAT ELECTRICAL SERVICE REMAINS ACTIVE FOR ALL AREAS OUTSIDE THE PHASE BEING COMPLETED TO ALLOW CLINIC OPERATIONS TO CONTINUE WITHOUT INTERRUPTION.

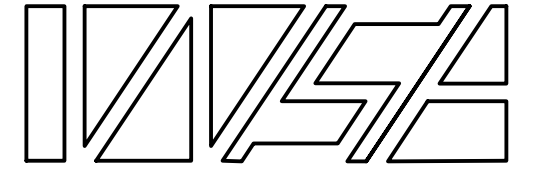
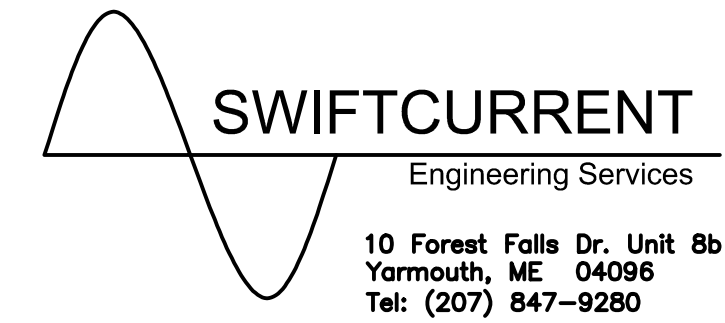
**LIGHTING SYMBOLS**

- FLUORESCENT LIGHT FIXTURE
- FLUORESCENT PARABOLIC LIGHT FIXTURE
- ROUND RECESSED CEILING MOUNTED FIXTURE
- EMERGENCY LED EXIT SIGN
- COMBINATION EMERGENCY EXIT SIGN & LIGHTING FIXTURE WITH DUAL LAMPS HEADS BATTERY AND CHARGER
- EMERGENCY LIGHTING FIXTURE WITH DUAL LAMPS HEADS BATTERY AND CHARGER
- REMOTE EMERGENCY LIGHTING LAMP HEAD
- LIGHT SWITCH
- DENOTES FIXTURE SWITCHED D = DIMMING SWITCH 3 = 3-WAY (WHERE NOTED) 4 = 4-WAY (WHERE NOTED)
- ULTRASONIC/INFRARED OCCUPANCY SENSOR
- C = CEILING MOUNTED W = WALL MOUNTED 48" AFF (TO TOP)

**LIGHTING SCHEDULE**

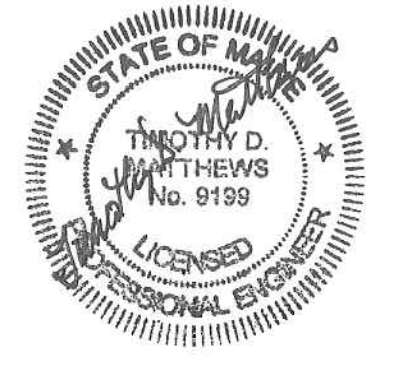
TYPE	DESCRIPTION	MANUFACTURER	LAMPS	MOUNTING	NOTES
A	2'x4' RECESSED FULL DISTRIBUTION FLUORESCENT FIXTURE WITH SUPER T8 LAMP/BALLAST COMBINATION 120V	COLUMBIA LIGHTING E-POC	(2)-32W SUPER T8	CEILING GRID	MODEL #: EPC24-232G-DL-*--U-F0841
B	2'x4' RECESSED PARABOLIC FLUORESCENT FIXTURE WITH SUPER T8 LAMP/BALLAST COMBINATION 120V	COLUMBIA LIGHTING P224	(2)-32W SUPER T8	CEILING GRID	MODEL #: P224-232G-LS48-S-EP-U
C	2'x4' RECESSED ACRYLIC LENSED FLUORESCENT FIXTURE WITH SUPER T8 LAMP/BALLAST COMBINATION 120V	COLUMBIA LIGHTING ST8	(2)-32W SUPER T8	CEILING GRID	MODEL #: ST824-232G-FSA12-EPU
D	6" LED DOWNLIGHT 120V	PRESCOLITE LITEFRAME	18W-LED	SURFACE UNDER-CABINET	MODEL #: LF6LED-6LFLED540K
	WALL MOUNT PASSIVE INFRARED OCCUPANCY SENSOR 120V	HUBBELL	N/A	WALL	MODEL #: LHIRS11
	EMERGENCY BATTERY UNIT 120V	DUAL-LITE	(2) 10 WATT HALOGEN	WALL SURFACE	MODEL #: LZ2N
	WEATHER PROOF REMOTE HEAD 120V	DUAL-LITE	(1) 10 WATT HALOGEN	WALL SURFACE	MODEL #: LZRSW0610
	LED EXIT SIGN EMERGENCY BATTERY UNIT COMBINATION 120V	DUAL-LITE	(2) 5 WATT HALOGEN	CEILING SURFACE	MODEL #: LTURW3

1 LIGHTING FIXTURE SCHEDULE SCALE: NOT TO SCALE



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Architecture / Planning  
Preservation Architecture  
Interior Architecture



Portland  
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Portland, Maine

CONSTRUCTION DOCUMENTS  
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ELECTRICAL LEGEND,  
ABBREVIATIONS, &  
GENERAL NOTES  
3/16" = 1' - 0"

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