





















LIGHTING

-  2x4 FLUORESCENT FIXTURE ASSOCIATED CONTROL DEVICE FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)
-  FIXTURE WIRED TO UNSWITCHED NORMAL CIRCUIT
-  FIXTURE WIRED TO UNSWITCHED EMERGENCY CIRCUIT
-  FIXTURE WIRED TO SWITCHED EMERGENCY CIRCUIT
-  S₃ 3-WAY TOGGLE SWITCH
-  S_a SINGLE POLE TOGGLE SWITCH INDICATES CONTROLLED FIXTURE
-  S_{os} OCCUPANCY SENSOR SWITCH
-  HOME RUN
-  OCCUPANCY SENSOR
-  a. INDICATES CONTROLLED FIXTURE
-  INDICATES AIMING DIRECTION




COMMUNICATION & DATA SYSTEMS

-  TELEPHONE SYSTEM WALL JACK
- W-INDICATES WALL MOUNTED AT 48" AFF
- P-INDICATES PAYPHONE
- (2)-INDICATES 2 OUTLETS, SINGLE BOX
-  DATA SYSTEM OUTLET
-  COMBINATION VOICE/DATA SYSTEM OUTLET



POWER

-  (A) NON-FUSED SAFETY SWITCH AMPERE RATING
-  (A) FUSED SAFETY SWITCH, TOP NUMBER INDICATES SWITCH AMPERE RATING, LOWER NUMBER INDICATES FUSE RATING
-  (A) NEMA ENCLOSURE
-  JUNCTION BOX
-  DUPLEX RECEPTACLE, NEMA 5-20R, INSTALLED ON EMERGENCY CIRCUIT (TYPICAL)
-  DOUBLE DUPLEX (QUADRUPLEX) RECEPTACLE, NEMA 5-20R

LINE TYPES

-  EXISTING
-  NEW
-  DEMOLITION

FIRE ALARM

-  (110) FIRE ALARM VISIBLE ONLY NOTIFICATION APPLIANCE
-  C CEILING MOUNTED

ABBREVIATIONS

AAMP AMPERE	LA LIGHTNING ARRESTER
AFF ABOVE FINISHED FLOOR	LTG LIGHTING
AFG ABOVE FINISHED GRADE	MC METAL CLAD
AHJ AUTHORITY HAVING JURISDICTION	MCB MAIN CIRCUIT BREAKER
AIC AMPERE INTERRUPTING CAPACITY	MFR MANUFACTURER
AWG AMERICAN WIRE GAUGE	MI MINERAL INSULATED
BFG BELOW FINISHED GRADE	MLO MAIN LUG ONLY
BOS BOTTOM OF STEEL	MTD MOUNTED
C CONDUIT, CONDUCTOR	MV MEDIUM VOLTAGE
CATV CABLE TELEVISION	NC NORMALLY CLOSED
CB CIRCUIT BREAKER	NEC NATIONAL ELECTRICAL CODE
CCTV CLOSED CIRCUIT TELEVISION	NEG NEGATIVE
CPT CONTROL POWER TRANSFORMER	NEUT NEUTRAL
CT CURRENT TRANSFORMER	NIC NOT IN CONTRACT
CU COPPER	NO NORMALLY OPEN
DACT DIGITAL ALARM COMMUNICATOR TRANSMITTER	NTS NOT TO SCALE
DB DIRECT BURIED	PF POWER FACTOR
DISC DISCONNECT	PH PHASE
DN DOWN	PVC POLYVINYL CHLORIDE
EMT ELECTRICAL METALLIC TUBING	RGS RIGID STEEL CONDUIT
EWG ELECTRIC WATER COOLER	RSC RIGID STEEL CONDUIT
FAA FIRE ALARM ANNUNCIATOR	RTD RESISTANCE TEMPERATURE DETECTOR
FACP FIRE ALARM CONTROL PANEL	SN SOLID NEUTRAL
FBO FURNISHED BY OTHERS	STP SHIELDED TWISTED PAIR
FU FUSE	STT SHIELDED TWISTED TRIPLET
FWE FURNISHED WITH EQUIPMENT	SWBD SWITCHBOARD
GEN GENERATOR	SWGR SWITCHGEAR
GFCI GROUND FAULT CIRCUIT BREAKER	TOS TOP OF STEEL
GND GROUND	TRANSF TRANSFORMER
HP HORSEPOWER	TVSS TRANSIENT VOLTAGE SURGE SUPPRESSER
HTR HEATER	V VOLT
IG ISOLATED GROUND	VA VOLT-AMPERE
IMC INTERMEDIATE METAL CONDUIT	VAR VOLT-AMPERE REACTIVE
K KILO	WM WATT METER
KCMIL THOUSAND CIRCULAR MILS	WP WEATHER PROOF
KV KILOVOLT	XFMR TRANSFORMER
KVA KILOVOLT-AMPERE	XP EXPLOSION PROOF
KVAR KILOVOLT-AMPERE REACTIVE	
KW KILOWATT	
KWH KILOWATT-HOUR	

GENERAL NOTES:

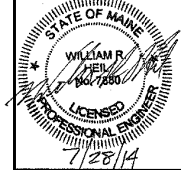
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE (NEC).
2. ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE PROVIDED BY DIVISION 260000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
3. UNLESS OTHERWISE NOTED CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18-INCHES AFF, LIGHTING TOGGLE SWITCHES 48-INCHES AFF, DATA SYSTEM OUTLETS 18-INCHES AFF, FIRE ALARM NOTIFICATION DEVICES 80-INCHES AFF OR 6-INCHES BELOW CEILING, WHICHEVER IS LOWER, AND FIRE ALARM MANUAL PULL STATIONS 48-INCHES TO TOP OF DEVICE.
4. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF SEPARATION.
5. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
6. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH EVERY FEEDER AND BRANCH CIRCUIT.
7. UNLESS OTHERWISE NOTED WIRING SHALL BE 2#12 AWG CONDUCTORS AND #12 GND. HOME RUNS FED FROM 20A-1P CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG.
8. FLEXIBLE CONNECTIONS TO MOTORS SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, UNLESS OTHERWISE NOTED.
9. LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE 277V VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW, LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
10. CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL HOSPITAL GRADE GROUNDING TYPE NEMA 5-20R, SIDE WIRED, LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
11. PROVIDE WALL PLATES FOR ALL WIRING DEVICES, NYLON SMOOTH TYPE IN FINISHED AREAS AND GALVANIZED IN UNFINISHED AREAS.
12. ALL WIRING SHALL BE 600V, COPPER WITH THHN/THWN INSULATION. SERVICE ENTRANCE CONDUCTORS SHALL HAVE XHHW INSULATION.

GENERAL NOTE

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.

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ARCHITECTURE
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INTERIOR DESIGN
COMMISSIONING



SUITE 390 FIT-UP

PORTLAND, ME

PERMIT SET
07/28/14

REV	DESCRIPTION	DATE

GRAPHIC SCALE:
0" 1"

SCALE: AS INDICATED
PROJECT MANAGER: CDP
JC/DRAWN BY: RBB
A/E OF RECORD: WRH
CAD FILE: E-001-13162
PROJECT NO: 13162
DATE:
SHEET TITLE:

ELECTRICAL LEGEND
AND GENERAL NOTES

SHEET No.
E-001
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