











# LIGHTING

-  A FLUORESCENT FIXTURE  
FIXTURE TYPE
-  2x2 FLUORESCENT FIXTURE
-  S<sub>3</sub> 3-WAY TOGGLE SWITCH
-  S<sub>D</sub> DIMMER SWITCH. INCANDESCENT OR  
FLUORESCENT AS REQUIRED.
-  S<sub>os</sub> OCCUPANCY SENSOR SWITCH
-  X OCCUPANCY SENSOR  
a. INDICATES CONTROLLED FIXTURE  
INDICATES AIMING DIRECTION

# COMMUNICATION & DATA SYSTEMS

-  DATA SYSTEM OUTLET




# POWER

-  E DUPLEX RECEPTACLE, NEMA 5-20R.  
INSTALLED ON EMERGENCY CIRCUIT (TYPICAL)
-  DOUBLE DUPLEX (QUADRUPLEX) RECEPTACLE, NEMA 5-20R
-  PANELBOARD, NORMAL POWER
-  PANELBOARD, EMERGENCY POWER

# FIRE ALARM

-  FIRE ALARM AUDIBLE/VISIBLE  
NOTIFICATION APPLIANCE (GENERAL EVACUATION)

# LINE TYPES

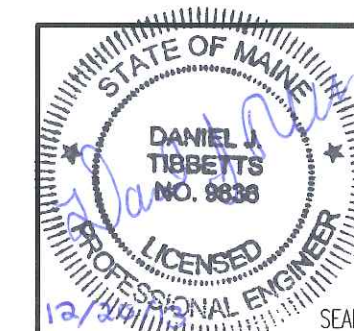
-  EXISTING
-  NEW
-  DEMOLITION

# GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE (NEC).
2. 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.
3. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF SEPARATION.
4. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
5. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH EVERY FEEDER AND BRANCH CIRCUIT.
6. 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.
7. LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE 277 VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
8. CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE GROUNDING TYPE NEMA 5-20R, SIDE WIRED. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
9. DUPLEX AND DOUBLE DUPLEX RECEPTACLES TO BE MOUNTED IN SURFACE METAL BOXES WITH SMOOTH RAISED COVERPLATES.
10. ALL WIRING SHALL BE 600V, COPPER WITH THHN/THWN INSULATION.
11. ALL EXPOSED WIRING TO BE RUN IN EMT. WIRING ABOVE CEILINGS AND WITHIN WALL CAVATIES TO TYPE MC CABLE.

# 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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**SMRT**

USM SCIENCE BUILDING C WING  
CYBER SECURITY LAB FIT-UP  
PROJECT 2013-007  
PORTLAND, MAINE

ISSUED FOR PERMITTING AND CONSTRUCTION 12-20-13	CURRENT ISSUE STATUS:	
	ISSUED FOR PERMITTING AND CONSTRUCTION	DATE
0	12-20-13	
REV	DESCRIPTION	

SCALE:	NONE
PROJECT MANAGER:	SLB
JC/DRAWN BY:	CDS
A/E OF RECORD:	DJT
CAD FILE:	E-001-12014-02
PROJECT NO:	12014-02
DATE:	12-20-13

SHEET TITLE:  
**LEGEND AND GENERAL NOTES**

SHEET No. **E-001**  
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