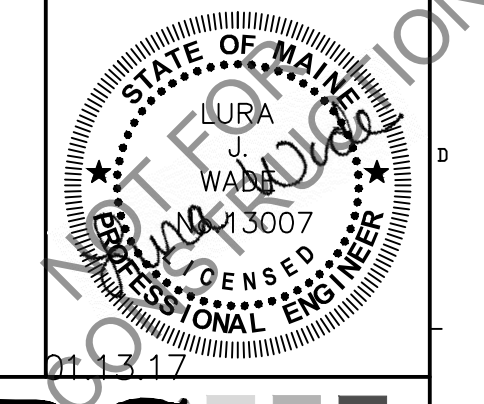


1/13/2017 8:05 AM T:\02 PROJECTS - MAINE\1101-4200\4128.10 USM SCIENCE BLDG CONSULTATION\2 DESIGN\WORKS\BUDG\USM SCIENCE BUILDING\WORKS\4128.10-E-501 ELECTRICAL DETAILS.DWG DREW:MASTERS/BSR/C

				<p>Neutral Wht Unswitched HOT Blk: 120/277 Grn</p> <p>LMR-C213 Triple Relay Over/Under-Volts Dimming Room Controller</p> <p>LMSW-105 Digital 5-Button Scene Switch</p> <p>Class 2 0-10 Volt Control Wiring</p> <p>LMRJ Series Pre-Terminated Cables or CAT5e, Free Toplogy & Splitter Acceptable</p> <p>*NOTE: Corner mount Sensor shown with pigtail & supplied coupler. Ceiling mount Sensor has two RJ45 ports.</p> <p>SEQUENCE OF OPERATION: In this configuration the LMR-C213 defaults to multi-level automatic-on/automatic-off operation. Load (a) on the LMR-C213 turns on automatically, while Load (b) + Load(c), where applicable defaults to manual-on control; all relays turn off automatically. Enhanced room controllers support up to 64 loads and 48 devices per DLM local network. At system startup, default dimming parameters are established including: levels for presets 1-4, fade times, and fade and ramp rates. Dimming and system parameters may be customized.</p>				<p>EXISTING ELEVATOR</p> <p>ELEV. LOBBY ELEV. SHAFT</p> <p>FIFTH FLOOR FOURTH FLOOR THIRD FLOOR SECOND FLOOR FIRST FLOOR</p> <p>ELEV. MACH ROOM</p> <p>TO EACH ELEVATOR CONTROLS</p> <p>NOTE: SEE FLOOR PLANS FOR ACTUAL LOCATIONS & QUANTITIES OF DEVICES</p> <p>EXISTING FIRE ALARM CONTROL PANEL</p> <p>EXISTING POWER SUPPLY</p> <p>NOTIFICATION APPLIANCE CIRCUIT (NAC)</p> <p>BATTERY BATTERY FIRST FLOOR 1001</p> <p>120V 120V 120V</p>			
N1	--	N5	--	J8	LIGHTING CONTROL DIAGRAM		J12	FIRE ALARM RISER DIAGRAM			
NTS	--	NTS	--	NTS			NTS				
J1	--	J5	--	<p>GROUND NEUTRAL HOT</p> <p>LIGHTING LOAD</p> <p>POWER PACK CONTACTS RATED FOR 20 AMPS.</p> <p>RED RED BLACK WHITE</p> <p>RED 24 VDC BLACK COMMON BLUE CONTROL</p> <p>CONTROL (BLUE) TO 24 VDC (RED) CLOSES OSP CONTACTS.</p> <p>OCCUPANCY SENSORS</p> <p>NOTES: 1. MAXIMUM NUMBER OF SENSORS PER POWER PACK IS FOUR. 2. SEE FLOOR PLANS FOR ACTUAL LOCATIONS & QUANTITIES OF DEVICES</p> <p>GENERAL OPERATION: WHEN MULTIPLE OCCUPANCY SENSORS ARE INSTALLED IN A SPACE AS THE MAIN CONTROL (AS SEEN IN WIRING DIAGRAM), OPERATION IS AS FOLLOWS: WHEN SPACE BECOMES OCCUPIED, A SENSE FROM ANY SINGLE OCCUPANCY SENSOR IN CONTROLLED SPACE WILL TRIGGER LIGHT FIXTURES TO TURN ON. ONCE SPACE BECOMES UNOCCUPIED FOR 30 MINUTES, OCCUPANCY SENSORS WILL SIGNAL LIGHT FIXTURES TO TURN OFF. THE FIXTURES WILL REMAIN OFF UNTIL ANY SENSOR IN AREA IS TRIGGERED AGAIN UPON NEW OCCUPANCY.</p>				<p>SYMBOL LEGEND</p> <p>ID DESCRIPTION</p> <p>CR CARD READER - PROVIDE 1-GANG BOX</p> <p>EL ELECTRIFIED DOOR STRIKE</p> <p>DS DOOR POSITION SWITCH - PROVIDE CONDUIT TO DOOR HEADER CHANNEL - DO NOT CUT HOLE IN DOOR HEADER</p> <p>SUSPENDED CEILING</p> <p>6"</p> <p>3/4" EMT</p> <p>6"</p> <p>40"</p> <p>3" ABOVE STRIKE CUTOUT</p> <p>FLOOR</p> <p>OUTSIDE SECURED AREA</p> <p>NOTES: 1. COORDINATE WITH OWNER'S SECURITY VENDOR BEFORE DOING ANY WORK. 2. COORDINATE EXACT LOCATIONS AND MOUNTING REQUIREMENTS OF ALL CONDUITS AND BOXES WITH OWNER'S SECURITY VENDOR & ARCHITECTURAL DRAWINGS. 3. ELECTRIC DOOR STRIKES WILL BE FURNISHED AND INSTALLED BY THE DOOR HARDWARE CONTRACTOR. 4. DOOR POSITION SWITCHES AND CARD READERS WILL BE FURNISHED AND INSTALLED BY OWNER'S SECURITY VENDOR.</p>			
E1	--	E5	--	E8	MULTIPLE OCCUPANCY SENSOR WIRING DIAGRAM						
NTS	--	NTS	--								
				<p>L4B</p> <p>FOURTH FLOOR</p> <p>(4) #4(1) #6 IN 1 1/2" C.</p> <p>THIRD FLOOR</p> <p>A WING</p> <p>C WING</p> <p>PPS1 (E)</p> <p>PPS1A (E)</p> <p>DP3 (E)</p> <p>DP5 (E)</p> <p>CONDUITS TO EXTEND TO JUNCTION BOX MOUNTED ABOVE CEILING AT PROJECTOR LOCATION</p> <p>1" SPARE CONDUIT</p> <p>1 1/2" ACTIVE CONDUIT</p> <p>NOTE: CONTROL & AUDIOVISUAL CABLES SHALL BE PROVIDED & INSTALLED BY OWNER'S VENDOR.</p> <p>TWO GANG BOX FOR INPUTS TO THE PROJECTOR. MOUNT AT 24" AFF. DEVICE PLATES WITH PROPER INPUTS SHALL BE PROVIDED AT BOTH JUNCTION BOXES BY OWNER'S VENDOR.</p>				<p>CONDUITS TO EXTEND TO JUNCTION BOX MOUNTED ABOVE CEILING AT PROJECTOR LOCATION</p> <p>1" SPARE CONDUIT</p> <p>1 1/2" ACTIVE CONDUIT</p> <p>NOTE: CONTROL & AUDIOVISUAL CABLES SHALL BE PROVIDED & INSTALLED BY OWNER'S VENDOR.</p> <p>TWO GANG BOX FOR INPUTS TO THE PROJECTOR. MOUNT AT 24" AFF. DEVICE PLATES WITH PROPER INPUTS SHALL BE PROVIDED AT BOTH JUNCTION BOXES BY OWNER'S VENDOR.</p>			
A1	--	A5	--	A8	PARTIAL ONE-LINE RISER DIAGRAM		A12	PROJECTOR PROVISIONS DETAIL			
NTS	--	NTS	--	NTS			NTS				

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REV.	DESCRIPTION	DATE



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USM SCIENCE BUILDING OFFICE RENOVATIONS

PROJECT: PORTLAND, ME

ELECTRICAL DETAILS

SHEET TITLE:	4128.10 - E-501
WBRC CAD FILE:	4128.10
PROJECT No.:	4128.10
SCALE:	AS NOTED
PROJECT MANAGER:	MEJ
DRAWN BY:	KRM
CHECKED BY:	LJW

E-501