

ELECTRICAL LEGEND

LP-1,3 ←←→	HOMERUN TO PNLBRD - ARROWS INDICATE NUMBER OF CIRCUITS. CROSS LINES INDICATE NUMBER OF CONDUCTORS OTHER THAN TWO (PROVIDE NUMBER OF WIRES REQUIRED TO ALLOW SWITCHING SHOWN).
	CIRCUIT NUMBER(S)
	PANEL DESIGNATION
	4' SURFACE MOUNTED LIGHTING FIXTURE
	LIFE SAFETY LIGHTING FIXTURES INDICATED WITH CROSS HATCH
	SURFACE MOUNTED LIGHTING FIXTURE
	RECESSED MOUNTED LIGHTING FIXTURE
	PENDANT MOUNTED LIGHTING FIXTURE
	WALL SCONCE
	SINGLE POLE SWITCH MOUNTED C/L UP 48" AFF
	SINGLE POLE THREE WAY SWITCH C/L UP 48" AFF
	WALL MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED OCCUPANCY SENSOR
	APPLIANCE SWITCH DOOR JAMB MOUNTED
	DIMMER SWITCH MOUNTED C/L UP 48" AFF
	THREE WAY DIMMER SWITCH - LUTRON MAESTRO MSCF-6AM
	SWITCH WITH PILOT LIGHT MOUNTED C/L UP 48" AFF
	DUPLEX RECEPTACLE MOUNTED C/L UP 24" AFF
	QUAD DOUBLE DUPLEX RECEPTACLE MOUNTED C/L UP 24" AFF
	GFI DUPLEX RECEPTACLE MOUNTED C/L UP 24" AFF
	DUPLEX RECEPTACLE MOUNTED C/L UP 48" OR ABOVE COUNTER/BACKSPLASH
	SWITCHED DUPLEX RECEPTACLE MOUNTED C/L UP 24" AFF
	SPECIAL OUTLET MOUNTED C/L UP 24" AFF - SIZE BASED ON LOAD AND OVERCURRENT PROTECTION
	AV WALL BOX - WIREMOLD EVOLUTION SERIES
	POKE-THRU FLOOR BOX TO SERVE POWER AND DATA- WIREMOLD RC9AFFTCGY
	FLUSH CEILING SPEAKER
	TEL/DATA OUTLET
	BELL AND TRANSFORMER
	CCTV CAMERA
	JUNCTION BOX
	ACCESS CONTROL CARD READER
	FUSED DISCONNECT
	UNFUSED DISCONNECT
	MANUAL MOTOR STARTER OR APPLIANCE CONTROL
	MOTOR STARTER
	PANELBOARD
	DRY TYPE TRANSFORMER
	AUTOMATIC TRANSFER SWITCH
	TELECOMMUNICATIONS BACKBOARD
	FIRE ALARM CONTROL PANEL
	VOICE EVAC CONTROL PANEL
	FIRE ALARM MANUAL PULL STATION - MOUNTED C/L UP 48"
	FIRE ALARM HORN/LIGHT UNIT - CANDLE POWER (CD) PER NFPA 72 AND AS NOTED - 15/75 WHERE NOT OTHERWISE INDICATED ON PLANS - MOUNTED BOTTOM OF STROBE UP 80" ON WALL
	FIRE ALARM STROBE LIGHT UNIT - CANDLE POWER (CD) PER NFPA 72 AND AS NOTED - 15/75 WHERE NOT OTHERWISE INDICATED ON PLANS - MOUNTED BOTTOM OF STROBE UP 80" ON WALL
	FIRE ALARM HORN UNIT
	PILOT LIGHT - CEILING MOUNTED
	WALL OR CEILING MOUNTED SMOKE DETECTOR
	CEILING MOUNTED HEAT DETECTOR
	FIRE ALARM CARBON MONOXIDE SENSOR - WALL MOUNTED
	FIRE ALARM FLAMMABLE GAS DETECTOR - WALL MOUNTED
	MAGNETIC DOOR HOLDER
	CEILING MOUNTED EXIT SIGN WITH ARROWS AS INDICATED
	WALL MOUNTED EXIT SIGN WITH ARROWS AS INDICATED OR HATCH INDICATES FACE - WALL MOUNTED DIRECTLY ABOVE DOOR
	EMERGENCY LIGHTING BATTERY UNIT
	EMERGENCY LIGHTING REMOTE HEAD
	KEYNOTE TAG
	"WP" INDICATES WEATHER PROOF
	EXISTING ITEMS SHOWN DASHED

1 LEGEND

SCALE: NO SCALE

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 70, NATIONAL ELECTRICAL CODE (NEC), OSHA REGULATIONS, AS WELL AS APPLICABLE REGULATIONS OF THE PERTINENT FEDERAL, STATE, COUNTY, AND CITY AGENCIES. PROVIDE MATERIALS AND EQUIPMENT THAT COMPLY WITH ANSI, IEEE, IES, AND NEMA STANDARDS, WHERE APPLICABLE. PROVIDE ONLY MATERIALS THAT ARE U.L. LISTED AND LABELED.
- THE ELECTRICAL SUBCONTRACTOR SHALL VISIT THE SITE AND INSPECT EXISTING CONDITIONS, SERVICES, CONDUITS, SPATIAL CONSIDERATIONS AND ALL OTHER PERTINENT CONDITIONS TO FULLY FAMILIARIZE HIMSELF WITH CONDITIONS TO BE ENCOUNTERED IN THE PERFORMANCE OF THIS WORK. THE ELECTRICAL SUBCONTRACTOR SHALL COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR DURING CONSTRUCTION. FAILURE TO DO SO WILL NOT RELIEVE THE ELECTRICAL SUBCONTRACTOR OF THE RESPONSIBILITY FOR FULL COMPLETION OF THE WORK IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SPECIFICATIONS. VERIFY EXISTING SYSTEMS THAT WILL BE UTILIZED FOR CONNECTION TO THE NEW SYSTEM. IF DISCREPANCIES EXIST BETWEEN THE CONTRACT DRAWINGS AND THE ACTUAL EXISTING CONDITIONS, THE ELECTRICAL SUBCONTRACTOR SHALL NOTIFY THE ENGINEER/OWNER PRIOR TO PROCEEDING WITH THE INSTALLATION.
- CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. INSTALL CONDUIT WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE CONSIDERING THE BUILDINGS CONSTRUCTION AND OBSTRUCTIONS, EXCEPT WHERE OTHERWISE NOTED.
- ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS THAT ARE NOT PROVIDED BY OTHER DIVISIONS, SHALL BE PROVIDED BY DIVISION 26, UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL PENETRATIONS THROUGH FIRE-RATED FLOORS, WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
- WHERE IT IS INDICATED THAT EXISTING WIRING IS TO BE REUSED, THE ELECTRICAL SUBCONTRACTOR SHALL VERIFY THAT THE INTEGRITY OF THE INSULATION IS ADEQUATE FOR REUSE. ALL SUSPECT WIRING SHALL BE REPLACED BY THE SUBCONTRACTOR.

GENERAL NOTES (CON'T)

- UNLESS OTHERWISE NOTED, WIRING SHALL BE 2#12 AWG CONDUCTORS & #12 GND. HOMERUNS FED FROM 20A, SINGLE POLE CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG UNLESS INDICATED OTHERWISE. INSULATION TYPE SHALL BE THHN/THWN, 75 DEG. C, AND 600V CLASS UNLESS SPECIFIED OTHERWISE.
- FLEXIBLE CONNECTIONS TO MOTORS SHALL BE FLEXIBLE LIQUID TIGHT CONDUIT.
- UNLESS OTHERWISE NOTED, ALL WIRING SHALL BE 600V, COPPER WITH THHN-THWN INSULATION.
- ALL GENERAL NOTES, SYMBOLS, LISTS, ABBREVIATIONS AND DETAILS ARE TO BE CONSIDERED APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT.
- WHERE A DISCREPANCY OCCURS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE SPECIFICATIONS SHALL PREVAIL. CONTACT THE ENGINEER FOR CLARIFICATION WHEN SUCH A SITUATION OCCURS.
- WHERE MATERIAL IS CALLED OUT IN THE LEGEND BY MANUFACTURER, TYPE OR CATALOG NUMBER, SUCH DESIGNATIONS ARE TO ESTABLISH STANDARDS OR DESIRED QUALITY. ACCEPTANCE OR REJECTION OF THE PROPOSED SUBSTITUTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT, DEVICES, AND FURNITURE REQUIREMENTS, PRIOR TO ROUGHING IN FOR SAME.
- IN AREAS AFFECTED BY THIS RENOVATION, THE ELECTRICAL SUBCONTRACTOR SHALL MAINTAIN CONTINUITY OF EXISTING ELECTRICAL SERVICE.
- PRIOR TO REMOVAL OF EQUIPMENT, THE OWNER WILL INDICATE WHICH EXISTING DEVICES OR MATERIALS SHALL BE SALVAGED AND TURNED OVER FOR STORAGE.
- WHERE EXISTING EQUIPMENT AND DEVICES ARE TO BE RELOCATED, ALL ASSOCIATED WIRING, CONDUIT AND ACCESSORIES SHALL BE EXTENDED, RELOCATED OR REPLACED WHERE REQUIRED.

FIRE ALARM SYSTEM NOTES

- MODIFY THE EXISTING NOTIFIER MAIN FIRE ALARM CONTROL PANEL PRESENTLY INSTALLED TO ACCOMMODATE THE NEW DEVICES INDICATED. PROVIDE NEW ZONES (IDENTIFY AS REQUIRED). NEW CONTACTS, ADDITIONAL POWER SUPPLIES AND ALL OTHER ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM.
 - PROVIDE NEW FIRE ALARM SMOKE DETECTORS WHERE INDICATED.
 - PROVIDE NEW FIRE ALARM HORN/STROBES WHERE INDICATED.
 - PROVIDE NEW FIRE ALARM STROBES WHERE INDICATED.
 - PROVIDE NEW FIRE ALARM PULL STATIONS WHERE INDICATED.
 - RELOCATE EXISTING FIRE ALARM HEAT DETECTORS WHERE INDICATED.
- REFER TO ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS OF ALL FIRE ALARM DEVICES ASSOCIATED WITH FIRE PROTECTION SYSTEMS.

JUNCTION BOX IDENTIFICATION COLOR CODE CHART

FIRE ALARM	---	RED
SIGNAL (NURSE CALL, PA)	---	PURPLE
AUDIO VISUAL	---	WHITE
480V	---	BROWN
277V	---	ORANGE
120V	---	BLUE
208V	---	BLACK

LIGHTING FIXTURE NOTES

- THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET JOB REQUIREMENTS.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND LOCATION AGAINST PLANS, ELEVATIONS, AND DETAIL DRAWINGS. EXACT LOCATION OF ALL FIXTURES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGHING IN.
- FIXTURE LETTERS SHOWN ON A CONTINUOUS ROW OF FIXTURES SHALL BE TYPICAL FOR THAT ROW UNLESS OTHERWISE NOTED.
- ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILINGS.
- ALL FLUORESCENT FIXTURES SHALL BE ENERGY SAVING TYPE.
- ALL FLUORESCENT FIXTURES SHALL HAVE ELECTRONIC BALLASTS - U.L. APPROVED AS A COMBINATION WITH ENERGY SAVING LAMPS SUPPLIED.
- ALL FLUORESCENT LAMPS ARE TO BE STANDARD COLOR 3500K UNLESS OTHERWISE NOTED.
- ALL LIGHT FIXTURES SHALL MEET UTILITY COMPANY INCENTIVE REQUIREMENTS. INCENTIVE FORMS SHALL BE COMPLETED BY ELECTRICAL CONTRACTOR. ALL INCENTIVES SHALL BE PAID DIRECTLY TO OWNER.
- OCCUPANCY SENSOR SHALL CONTROL THE LIGHTING CIRCUIT SERVING THE ROOM AHEAD OF SWITCH CONTROLS. PROVIDE POWER PACKS AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM.

2 NOTES

SCALE: NO SCALE

3 LIGHTING FIXTURE SCHEDULE

SCALE: NO SCALE

LIGHTING FIXTURE SCHEDULE

ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL HARDWARE LAMPS, HANGERS, FITTINGS, ETC. FOR A COMPLETE AND PROPER INSTALLATION

TYPE	MANUFACTURER	CATALOG NO.	MTG.	VOLT	LAMPS			REMARKS/BALLAST INFORMATION
					NO.	WATT	TYPE	
A	2X2 RECESSED LED FIXTURE							
	FINELITE	HPR LED-EP-A-2X2-DCO-SO-3500-120-SC-C1	R	120	LED	36.8	LED	
AE	2X2 RECESSED LED FIXTURE WITH EMERGENCY BATTERY PACK							
	FINELITE	HPR LED-EP-A-2X2-DCO-SO-3500-120-SC-C1-EL	R	120	LED	36.8	LED	PROVIDE WITH INTEGRAL BATTERY BACKUP
B	1X4 SURFACE MOUNTED WRAP							
	LITHONIA	LB-2-32-MVOLT-GEB10PS	R	MVOLT	2	32	T8	
C	4" LED RECESSED DOWNLIGHT							
	GOTHAM	EVO-35/20-4AR-MWD-LSS-MVOLT-EZ1	R	MVOLT	LED	23	LED	
CE	4" LED RECESSED DOWNLIGHT WITH EMERGENCY BATTERY PACK							
	GOTHAM	EVO-35/20-4AR-MWD-LSS-MVOLT-EZ1-EL	R	MVOLT	LED	23	LED	PROVIDE WITH INTEGRAL BATTERY BACKUP
D	NOT USED							
E	EDGE LIT SINGLE OR DOUBLE SIDED LED RED ON CLEAR EXIT SIGN WITH CHEVRONS PER DRAWINGS							
	PHILIPS CHLORIDE	RGLO-LED1-PGL01-RC	R	UNV	LED	5	LED	PROVIDE CHEVRON PER DRAWINGS
F	TRACK LIGHTING TRACK HEAD							
	TECH LIGHTING	700-MO-JON-03-SN	T	-	1	20	MR16	
G	TRACK LIGHTING PENDANT							
	TECH LIGHTING	700-MO-MHUD-W-S-LEDS830	T	-	1	6	LED	

HARRIMAN

AUBURN PORTLAND MANCHESTER

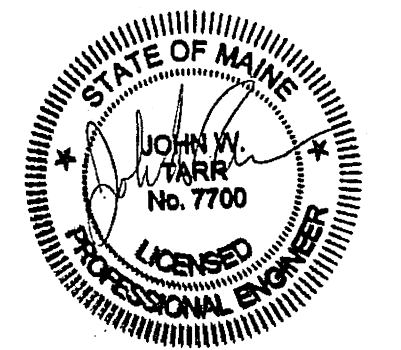
UNIVERSITY OF SOUTHERN MAINE DEPARTMENT REORGANIZATION PROJECT 2015-011
PORTLAND, MAINE

Harriman Project No. 15457

Key Plan Prog North

Issues and Revisions

Mark	Date	Description
--	07-09-15	75% REVIEW
--	07-23-15	100% REVIEW
--	08-03-15	OWNER REVIEW
--	08-10-15	ISSUED FOR BID
--	09-25-15	ISSUED FOR PERMIT



Drawing Scales

PA / PE: JWT © 2015
Drawn By: BSO Harriman Associates

ELECTRICAL LEGEND, NOTES AND SCHEDULES

E00.1