

HARRIMAN

AUBURN PORTLAND MANCHESTER

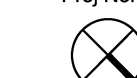
UNIVERSITY OF SOUTHERN MAINE CENTRAL HEAT PLANT UPGRADES

PORTLAND, ME

Harriman Project No. 14411

Key Plan

Prog North



TYPICAL LINE VOLTAGE HOOK UP

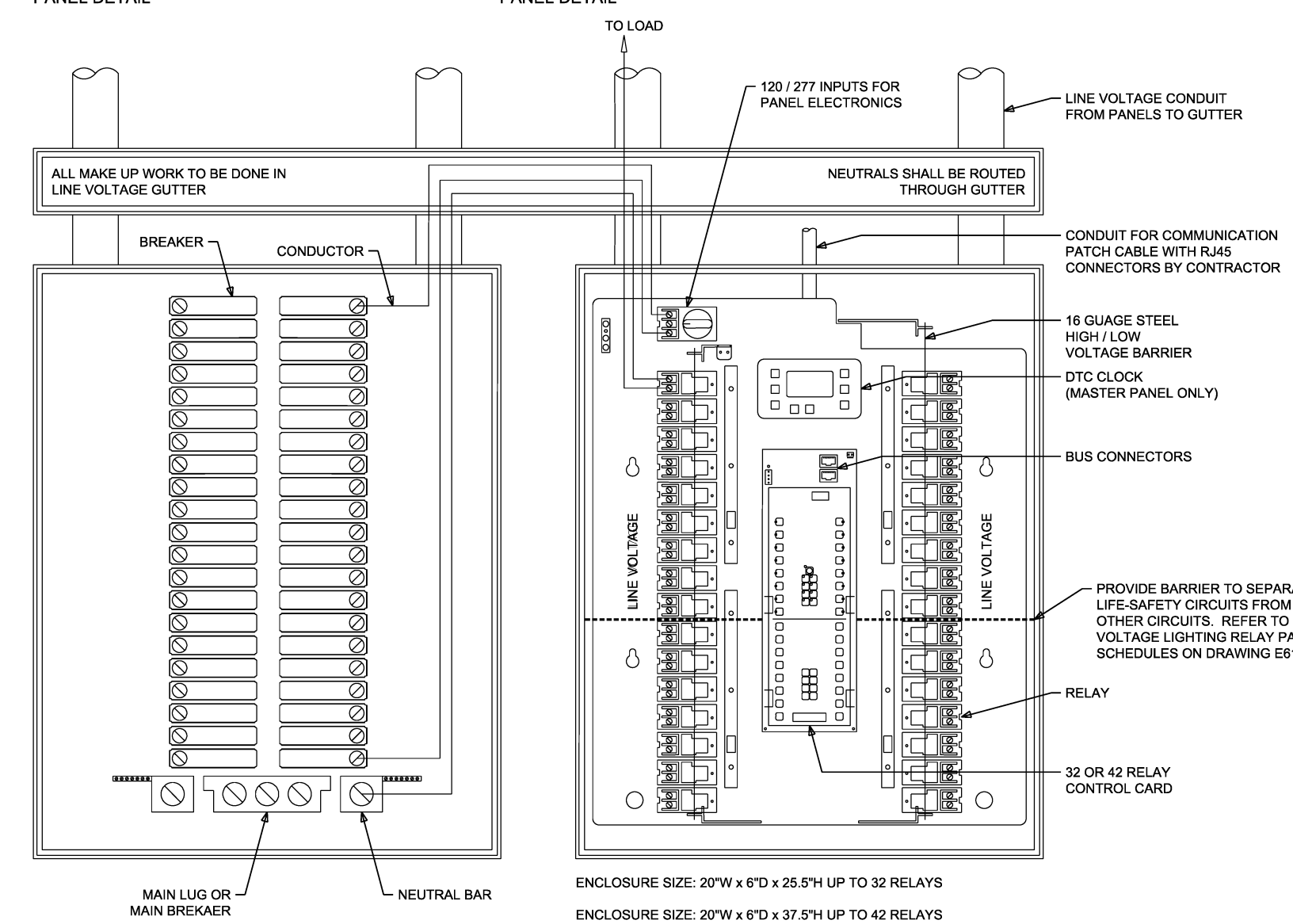
GR2400 PANEL TO BREAKER PANEL

BREAKER PANEL

PANEL DETAIL

LOW VOLTAGE LIGHTING RELAY PANEL

PANEL DETAIL

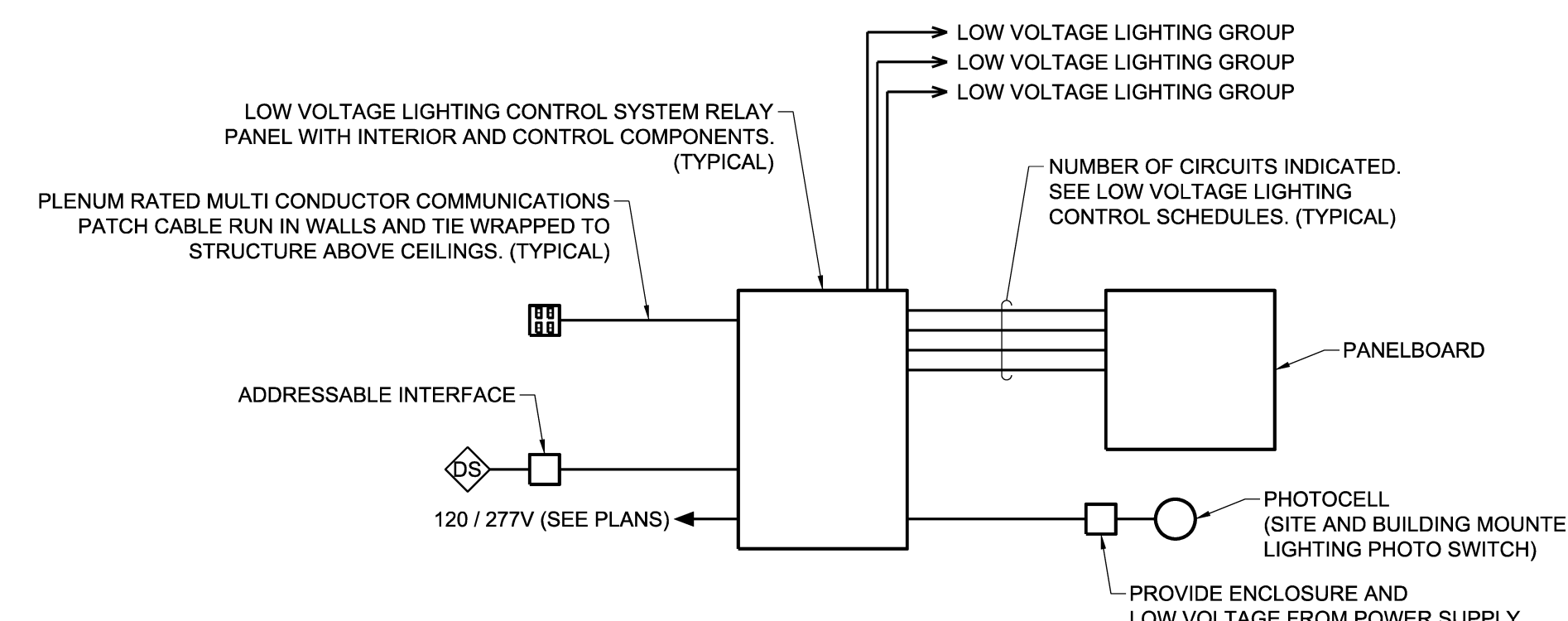


LOW VOLTAGE LIGHTING CONTROL SYSTEM LEGEND

- ⓁV - LOW VOLTAGE CONTROL STATION - SEE LOW VOLTAGE LIGHTING CONTROL RELAY SCHEDULES
- ⓁVM - LOW VOLTAGE MASTER CONTROL STATION - CONTROLS ALL INTERIOR LIGHTING
- ⓁVN - LOW VOLTAGE CONTROL STATION - CONTROLS ALL LIFE-SAFETY/NIGHT LIGHTS
- ⓁVEXT - LOW VOLTAGE CONTROL STATION - CONTROLS ALL EXTERIOR LIGHTS
- ⓁV - LOW VOLTAGE LIGHTING CONTROL SYSTEM RELAY PANEL - SEE PLANS FOR LOCATIONS - SEE LOW VOLTAGE LIGHTING CONTROL RELAY SCHEDULES

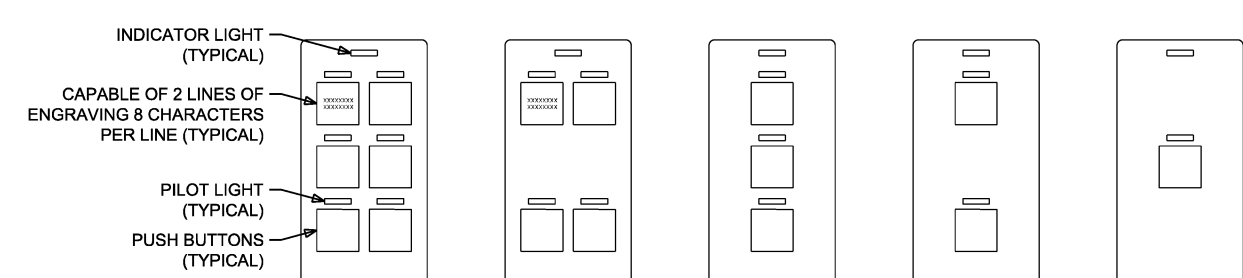
NOTES:

1. ALL DEVICES AND MODULES ARE NOT NECESSARILY SHOWN ON DIAGRAM, DEVICES AND MODULES SHALL BE PROVIDED AS REQUIRED TO MEET THE INTENT OF ALL CONTRACT DRAWINGS AND SPECIFICATION.
2. PROVIDE ALL NECESSARY POWER SUPPLIES, ENCLOSURES, DATA LINE, LOW VOLTAGE AND LINE VOLTAGE WIRING AND ADDITIONAL COMPONENTS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM PER MANUFACTURERS RECOMMENDATIONS.
3. EXTERIOR LIGHTING SHALL BE CONTROLLED BY AN EXTERIOR LIGHT SENSOR ON THE EAST SIDE OF THE BUILDING POSITIONED SO AS NOT AFFECTED BY ARTIFICIAL LIGHT.
4. LOW VOLTAGE SWITCHES SHALL BE PROVIDED TO ALLOW ON AND OFF CONTROL OF ALL CONTROLLED LIGHTING IN THEIR RESPECTIVE AREAS. SEE FLOOR PLANS FOR EXACT LOCATIONS.
5. VERIFY AND MODIFY ALL ON/OFF TIMES WITH OWNER AT COMPLETION OF PROJECT.
6. ALL LOW VOLTAGE WIRING SHALL BE PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
7. NOTE THAT SUB LETTER SWITCH CONTROL IS INTENDED TO CONTROL THE LOCAL AREA (IE. CLASSROOM, CORRIDOR, LIBRARY...).
8. WIRING IS SHOWN DIAGRAMMATICALLY ONLY. PROVIDE NUMBERS OF CIRCUITS AND CONDUCTORS AS REQUIRED TO MEET THE INTENT OF THE DESIGN.
9. VERIFY QUANTITIES AND EXACT LOCATIONS OF ALL DEVICES WITH DRAWINGS AND SPECIFICATIONS.



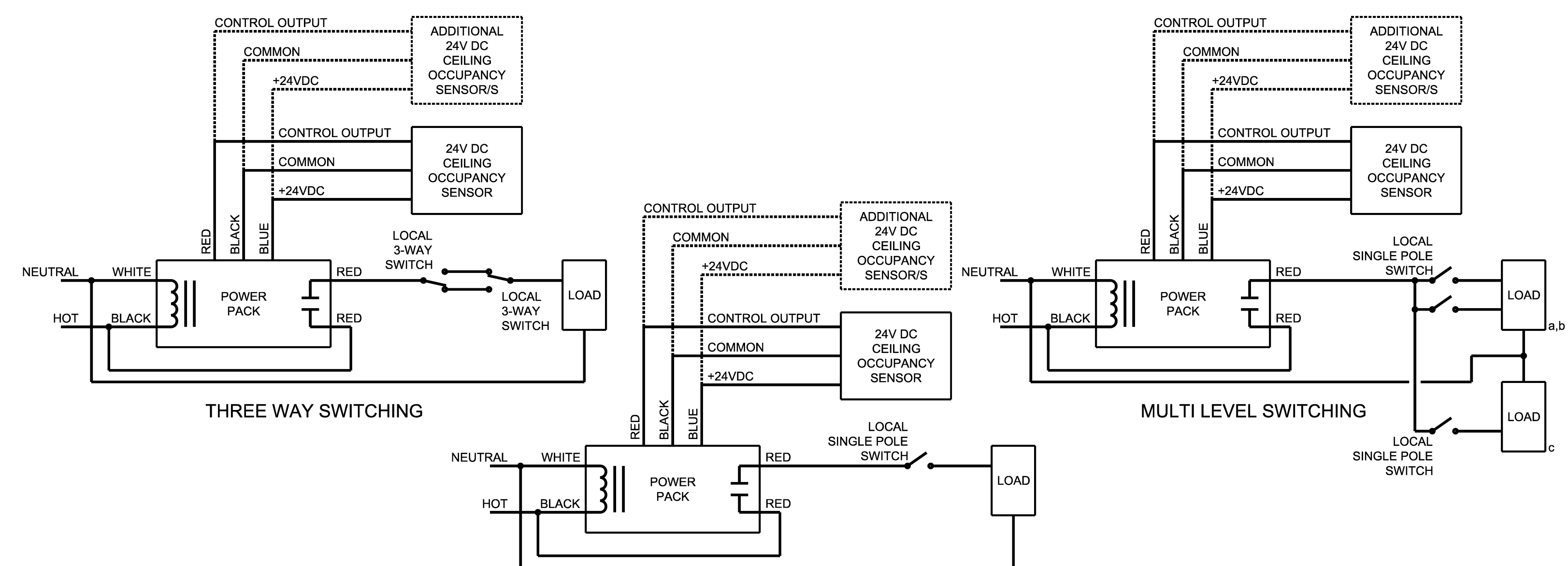
LOW VOLTAGE ON/OFF CONTROL STATION CONFIGURATIONS

SWITCH DETAIL



4 LOW VOLTAGE LIGHTING CONTROL DEFINITIONS AND SINGLE LINE RISER

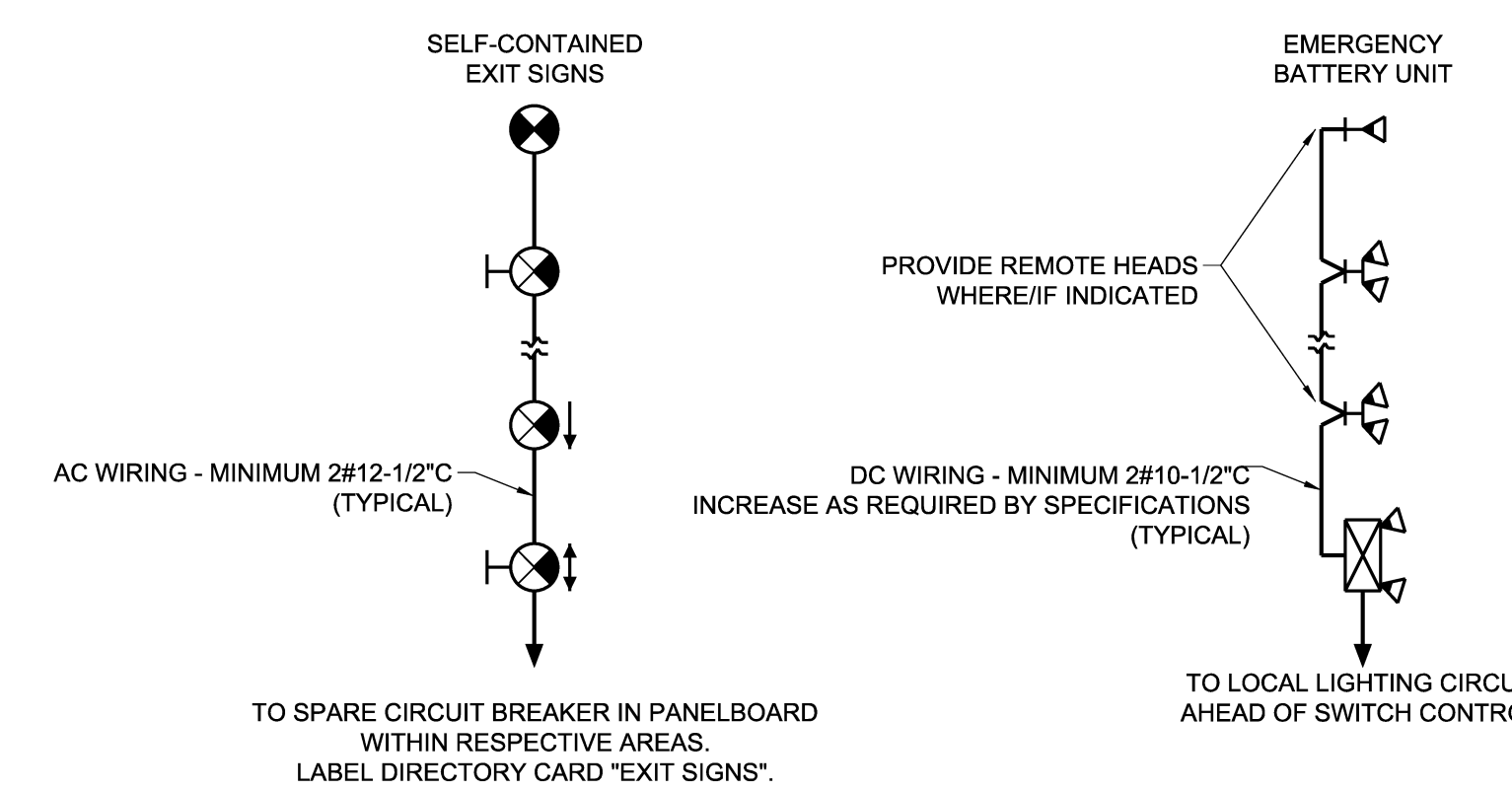
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NOTE: QUANTITY AND LOCATION OF DEVICES AS INDICATED ON PLANS. WIRE POWER PACK TO CIRCUIT INDICATED ON PLAN DRAWINGS.

3 OCCUPANCY SENSOR CONTROL DETAIL

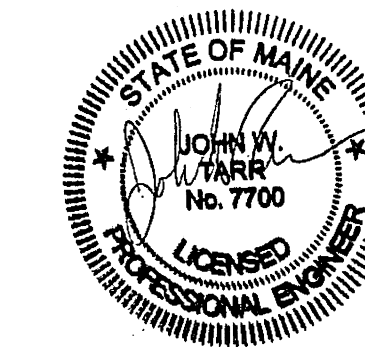
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1 EXIT SIGN AND EMERGENCY BATTERY UNIT WIRING

SCALE: NO SCALE

Mark	Date	Description
-	10-10-14	FINAL REVIEW
-	10-23-14	100% REVIEW
-	10-31-14	ISSUED FOR BID



Drawing Scales

PA / PE: JWT © 2014
Drawn By: BSO Harriman Associates

ELECTRICAL DETAILS

E70.1