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NOTES: (UNLESS OTHERWISE SPECIFIED)

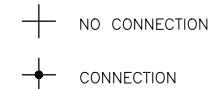
1. REFER TO MANUFACTURER'S DATA SHEETS AND INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
2. LINE FEED 120/230/277 VAC, 60Hz, UNSWITCHED, UNLESS OTHERWISE NOTED.
3. GROUND NOT SHOWN. GROUND DEVICES PER APPLICABLE NATIONAL AND LOCAL CODES AND BEST PRACTICES.
4. FOR EMERGENCY POWER SITUATIONS, ILLUSTRATIONS ASSUME TRANSFER SWITCH BY OTHERS UPSTREAM OF SHOWN DEVICES.
5. LINE VOLTAGE LOAD NOT TO EXCEED CONTACT RATING PER DEVICE SPECIFICATIONS.
6. POWER PACKS RECEIVING SEPARATE FEEDS FOR SWITCHED LOADS AND SELF POWER MUST HAVE BOTH FEEDS ON THE SAME PHASE.
7. ALL LOW-VOLTAGE DEVICES CONSUME CURRENT. DEVICE POWER BUDGET IS ESTIMATED FOR THESE DETAILS – ADDITIONAL POWER SOURCES MAY BE REQUIRED. SEE PRODUCT LITERATURE FOR POWER SPECIFICATIONS.
8. MAXIMUM RUN LENGTH FOR ANALOG WIRING IS 1000' @ #18 AWG.
9. SENSORS WIRED IN PARALLEL WILL CAUSE LINE VOLTAGE RELAY CLOSURE WHEN OCCUPANCY IS DETECTED BY ANY UNIT.
10. DEVICES IN SERIES REQUIRING CONTACT CLOSURE FROM A SINGLE DEVICE, (CLOCK INPUT, DEMAND RESPONSE, EMERGENCY, ETC.), MUST FOLLOW THESE WIRING CONVENTIONS:
  - FIRST DEVICE IN SEQUENCE PROVIDES THE +V TO THE TRIGGERING RELAY;
  - SIGNAL FROM CLOSURE ATTACHED TO ALL DEVICES IN SEQUENCE INPUT;
  - COM FROM FIRST DEVICE IN SEQUENCE ATTACHED TO COM ON ALL DEVICES IN SEQUENCE.
11. APPLICATIONS REQUIRING MULTIPLE POWER PACKS/POWER SUPPLIES AT THE SAME VDC:
  - +V MUST NEVER BE TIED TOGETHER BETWEEN POWER PACKS/ POWER SUPPLIES;
  - COM / DCC MUST BE TIED TOGETHER TO ALL POWER PACKS/ POWER SUPPLIES AND ALL POWERED DEVICES.
12. ULTRASONIC CEILING MOUNT SENSORS SHOULD BE LOCATED A MINIMUM OF SIX (6) FEET FROM HVAC SUPPLY/RETURN VENTS.
13. CEILING SENSORS MOUNTED OVER DOORWAYS SHOULD BE PLACED ONE (1) FOOT INSIDE THE THRESHOLD.
14. TROUGH MOUNTED, PENDANT MOUNTED, AND PENDANT MOUNTED INDIRECT LIGHTING SOURCES AFFECT THE OPERATION OF LOCALLY MOUNTED SENSORS. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING SENSOR LOCATIONS TO ALLOW FOR PROPER OPERATION.
15. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR NON-ADAPTIVE PRODUCTS, FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
16. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE OPERATIONAL OPTIONS OF SENSORS AND RELATED CONTROL DEVICES WITH THE SPECIFIC WORK REQUIREMENTS.
  - WORK RELEVANT ENERGY CODE REQUIREMENTS AFFECT CIRCUITS TO BE CONTROLLED AND THEIR CONTROL CHARACTERISTICS.
  - ONE CONTROLLED RELAY IS REQUIRED FOR EACH CONTROLLED CIRCUIT.
  - REFER TO PRODUCT DATA SHEET FOR POWER OUTPUT AND INSTALLATION GUIDE FOR MAXIMUM NUMBER OF SENSORS CONNECTED TO A CONTROL DEVICE.
  - MULTIPLE CONTROL CIRCUITS MAY BE CONTROLLED BY A SENSOR/MULTIPLE SENSORS. REFER TO PRODUCT INSTALLATION MANUALS FOR INTERCONNECTION DETAILS.
17. UP TO 100 MARK VII STYLE BALLASTS MAY BE CONTROLLED PER DAYLIGHTING ZONE BY IRC/MINI-Z.

18. ALL RELAYS SHOWN IN DE-ENERGIZED STATE.
19. INDIVIDUALLY CAP OFF UNUSED LEADS.
20. ONE-LINE PARENTHESIS USE:  
(X) – FUNCTION  
[#] – TERMINAL
21. N-WAY SWITCHING  
HIGH VOLTAGE 3-WAY SWITCHING  
PER INDUSTRY STANDARDS: (2) HIGH VOLTAGE TRAVELERS PLUS (1) HIGH VOLTAGE LINE/LOAD PER SWITCH. SWITCH EQUAL TO LEVITON 1223-W (TOGGLE) OR 5623-2 (DECORA) UNLESS OTHERWISE NOTED.  
LOW VOLTAGE ANALOG MAINTAINED 3-WAY SWITCHING  
(2) #18 AWG TRAVELERS PLUS (1) #18 AWG SOURCE/SIGNAL PER SWITCH. SWITCH EQUAL TO LEVITON 1223-W (TOGGLE) OR 5623-2 (DECORA) UNLESS OTHERWISE NOTED.  
LOW VOLTAGE ANALOG MOMENTARY N-WAY SWITCHING  
(1) #18 AWG SOURCE PLUS (1) #18 AWG SIGNAL PER SWITCH. QUANTITY OF LOW VOLTAGE MOMENTARY SWITCHES AS REQUIRED, TERMINATED IN PARALLEL.  
DIGITAL STATIONS  
DIGITAL STATIONS ARE SOFTWARE PROGRAMMABLE AND SHOULD BE WIRED ACCORDING TO THEIR DIGITAL COMMUNICATIONS PROTOCOL.
22. PLUG LOAD CONTROL – COMMERCIAL RECEPTACLE P/N'S:  
STANDARD DUPLEX:  
SPLIT CONTROL (1 OUTLET) CR015-1PX, CR020-1PX.  
FULL CONTROL (2 OUTLETS) CR015-2PX, CR020-2PX.  
DECORA:  
SPLIT CONTROL (1 OUTLET) 16252-1PX, 16352-1PX.  
FULL CONTROL (2 OUTLETS) 16252-2PX, 16352-2PX.
23. CONTROL RECEPTACLE:
  - QUANTITY PER APPLICABLE CODES.
  - TERMINATION SHOWN SPLIT RECEPTACLE. TERMINATION PER APPLICABLE CODES..
  - RECEPTACLE MARKINGS PER APPLICABLE ENERGY CODES.

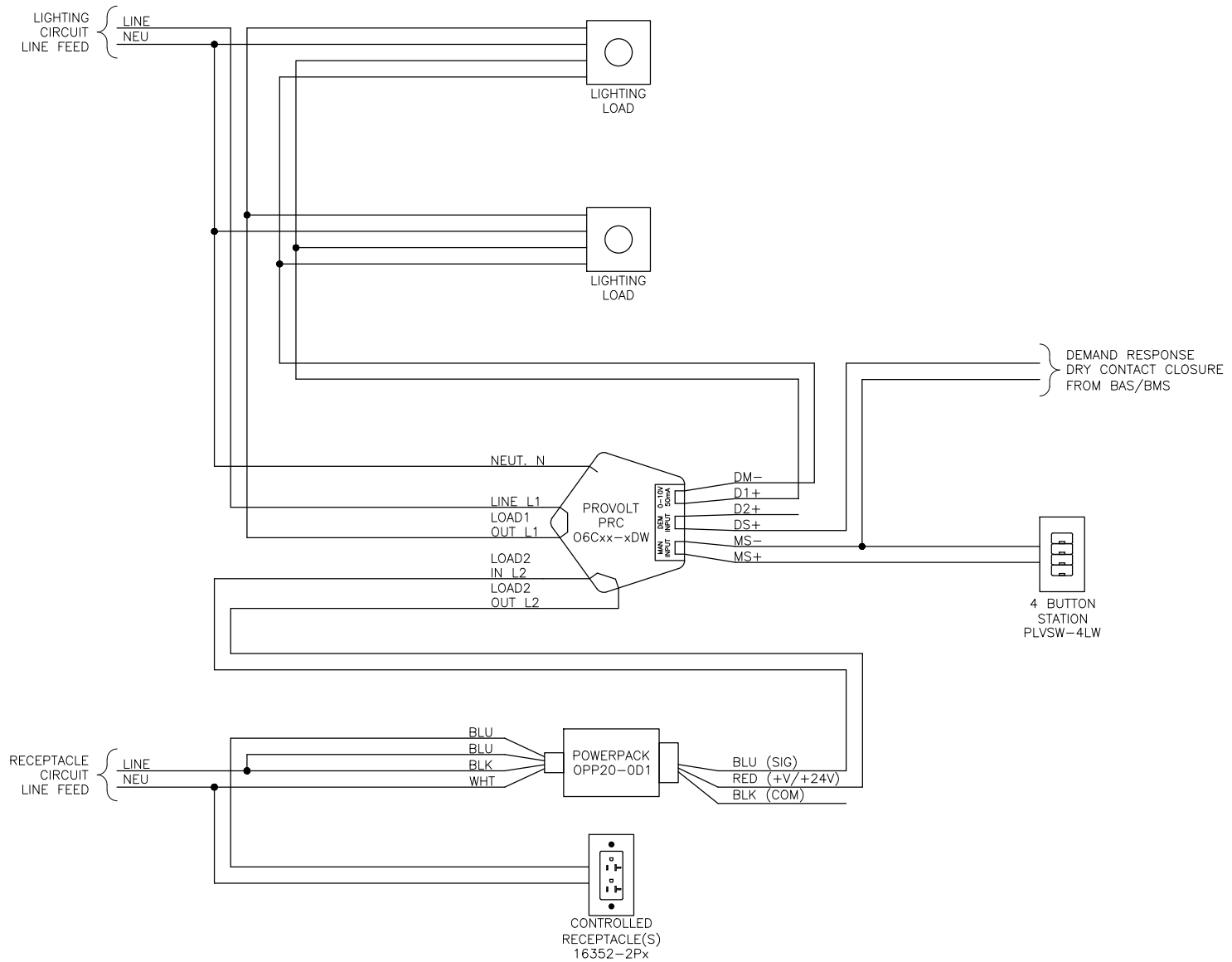
ABBREVIATIONS:

LC	LUMA-CAN
LV	LOW VOLTAGE
HV	HIGH VOLTAGE SWITCH (MAINTAINED)
LVM	LOW VOLTAGE SWITCH (MOMENTARY) EQUAL TO LEVITON: 1081 (TOGGLE) OR 56081 (DECORA)
LVT	LOW VOLTAGE SWITCH (MAINTAINED) EQUAL TO LEVITON: 12021-2 (TOGGLE) OR 56021-2 (DECORA)
LV2	IRC LOW VOLTAGE SWITCH EQUAL TO LEVITON: RLVSW-1LW (1 BUTTON) OR RLVSW-2LW (2 BUTTON) OR RLVSW-4LW (4 BUTTON)
UON	UNLESS OTHERWISE NOTED
BLK	BLACK
WHT	WHITE
BLU	BLUE
YEL	YELLOW
ORG	ORANGE
VIO	VIOLET
BRN	BROWN

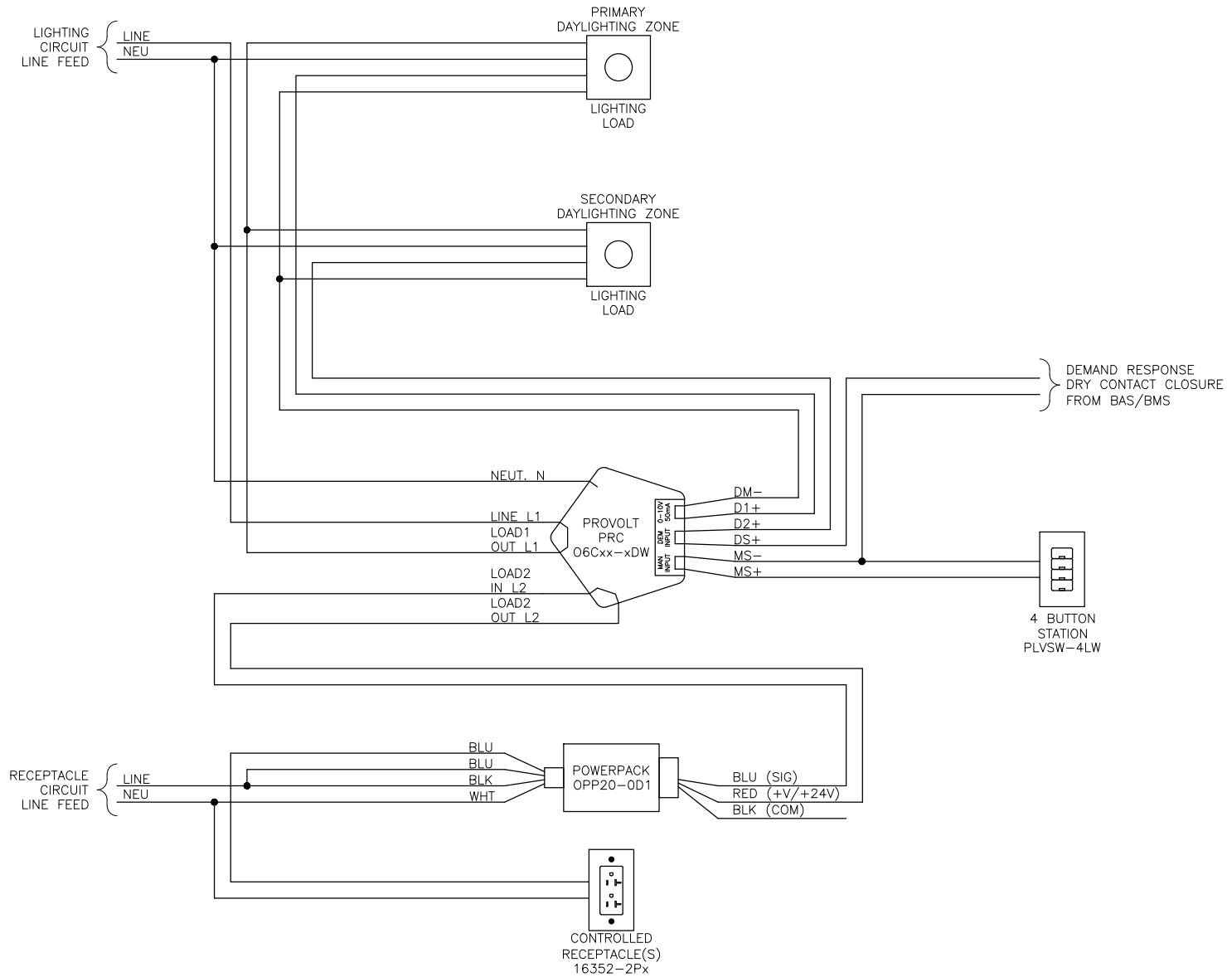
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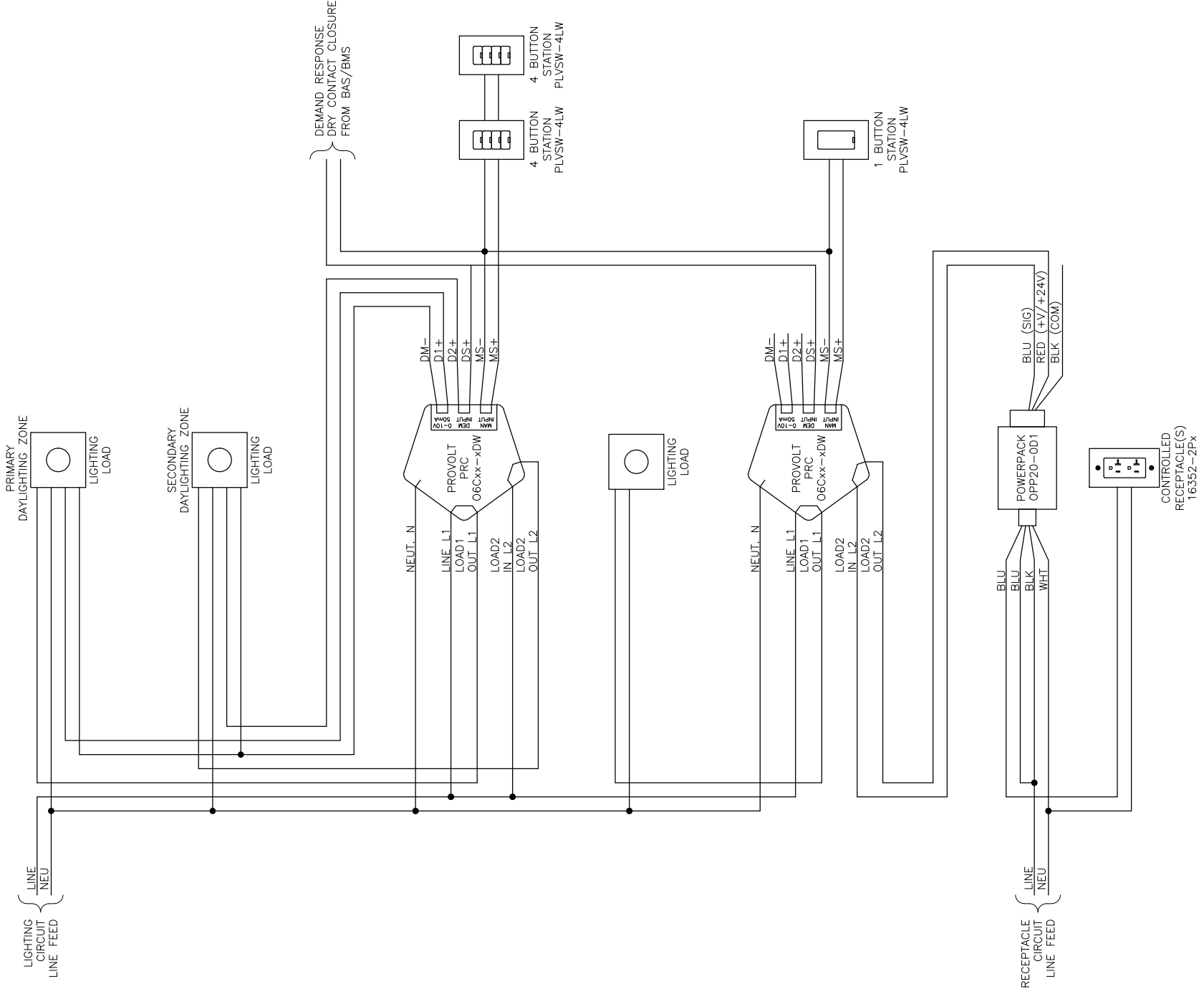
SMALL OFFICE – SINGLE ZONE  
PRC



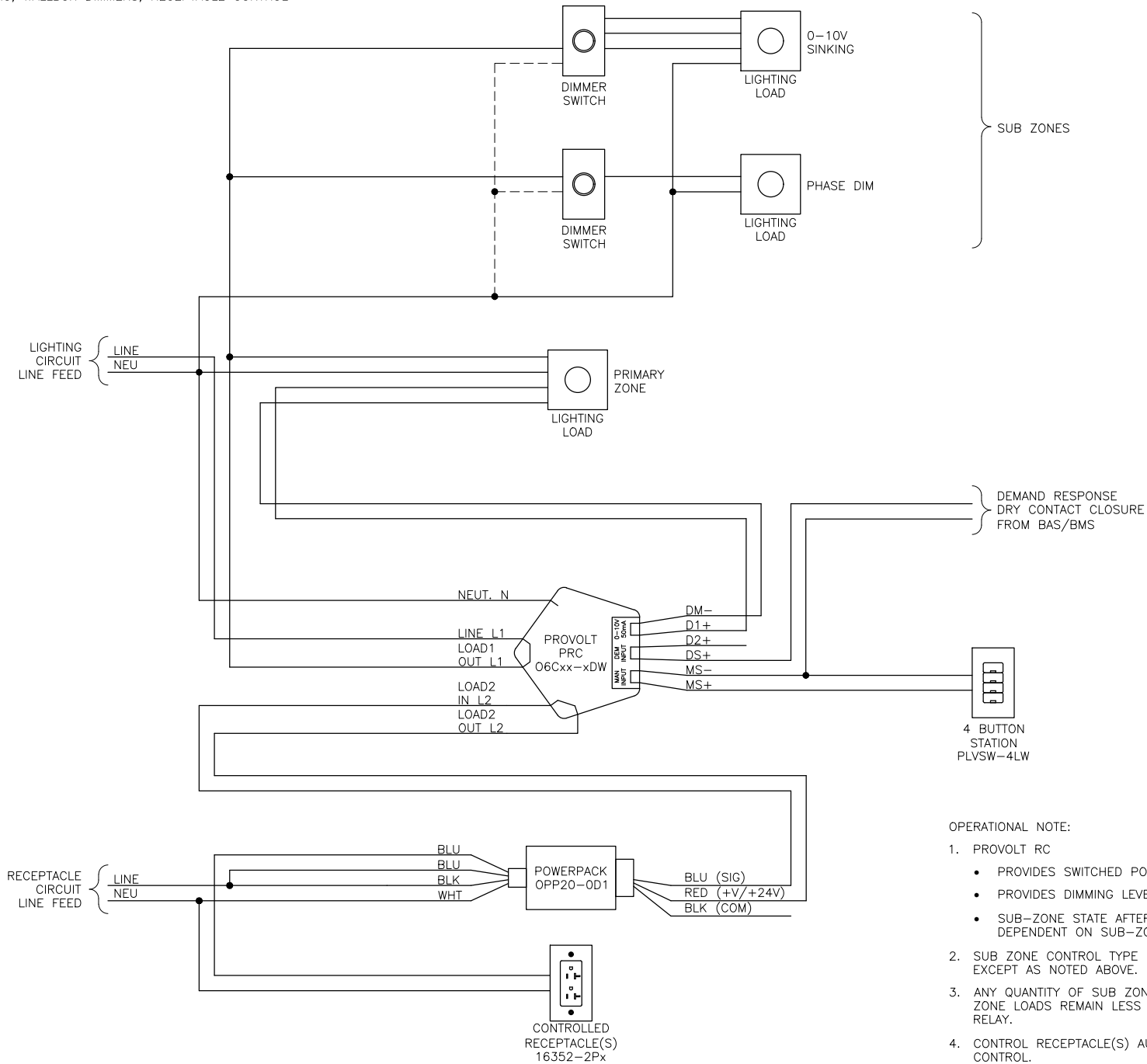
SMALL OFFICE – TWO ZONE  
PRC



CLASSROOM  
PRC



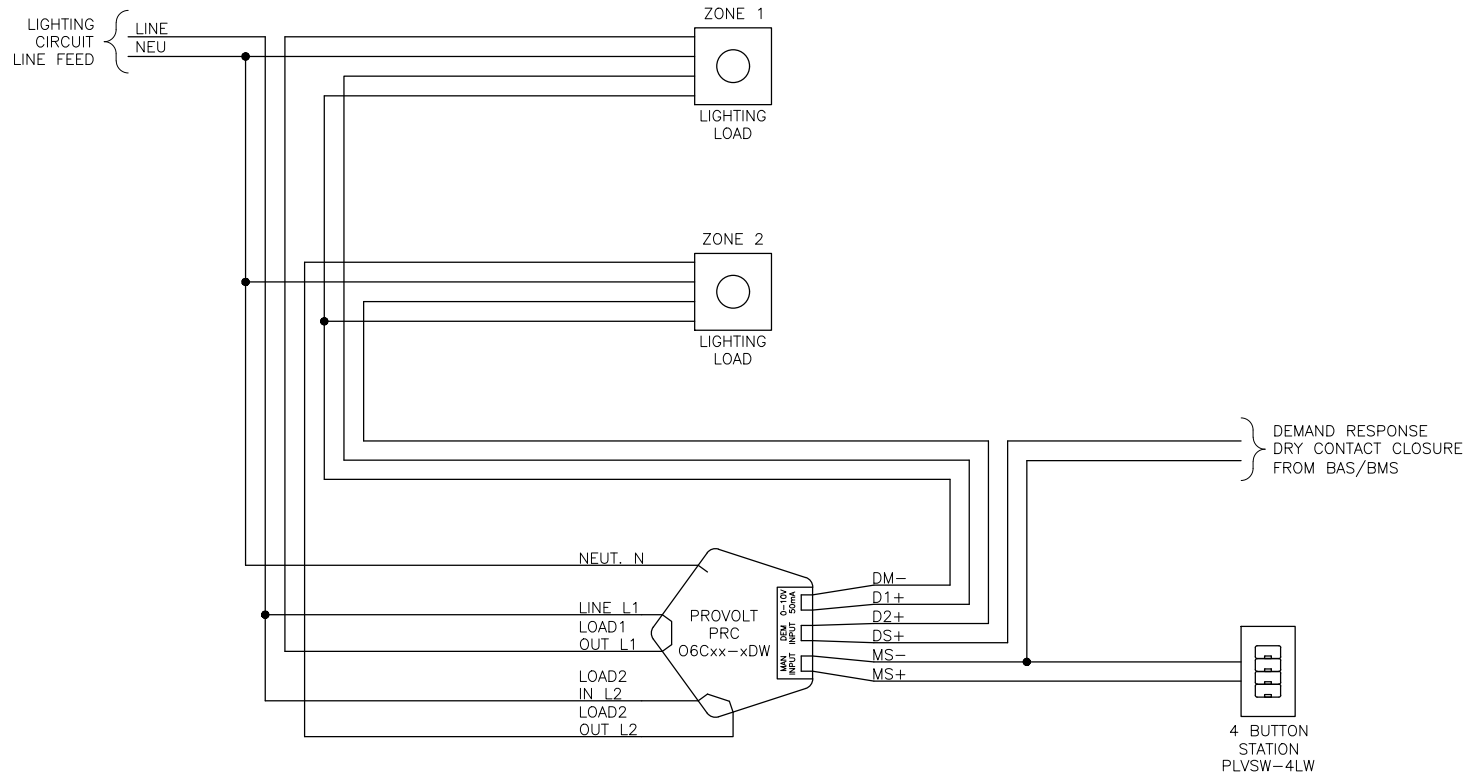
SMALL SPACE, MANUAL SUBZONES  
 PRC, WALLBOX DIMMERS, RECEPTACLE CONTROL



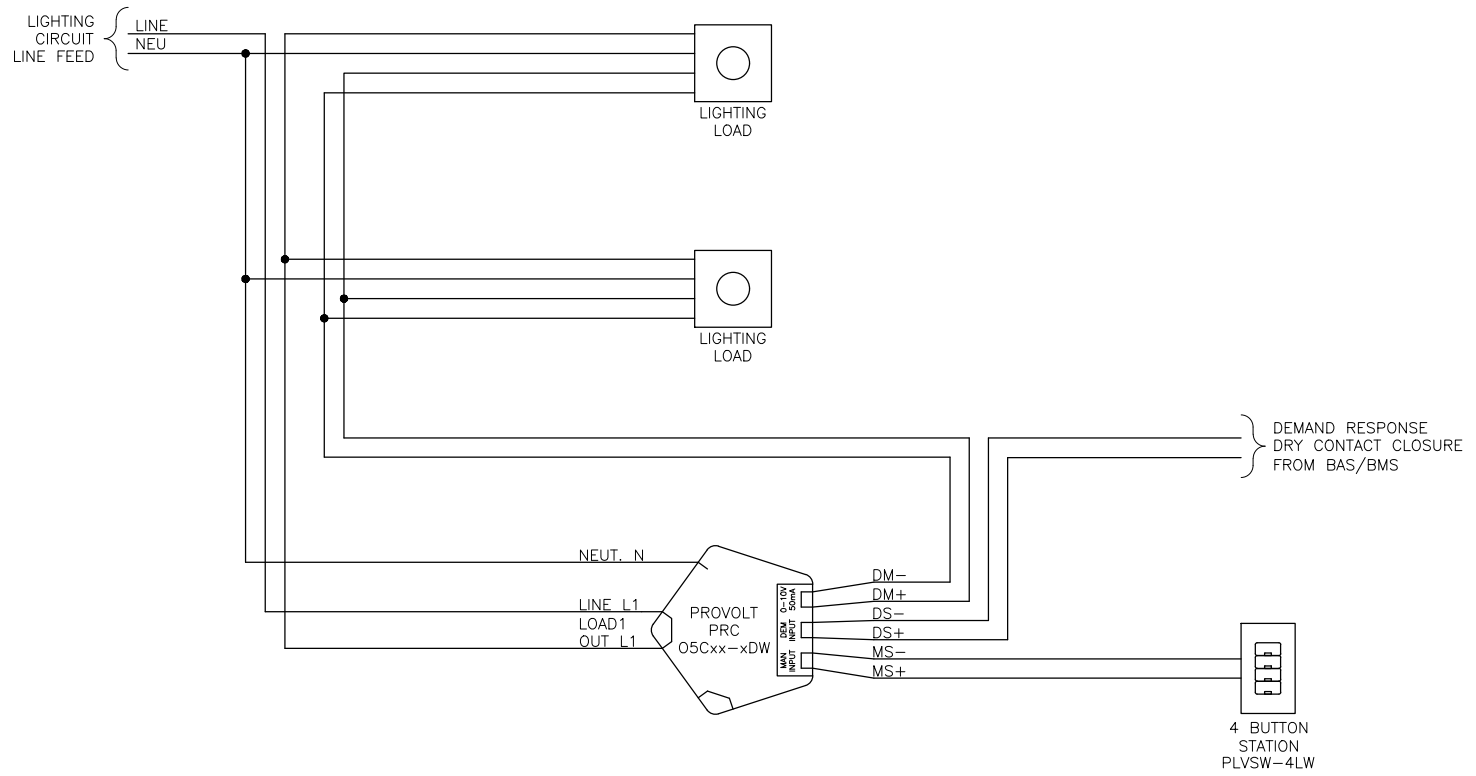
OPERATIONAL NOTE:

1. PROVOLT RC
  - PROVIDES SWITCHED POWER CONTROL TO PRIMARY AND SUB ZONES.
  - PROVIDES DIMMING LEVEL AND DAYLIGHTING CONTROL TO PRIMARY ZONE.
  - SUB-ZONE STATE AFTER PROVOLT RC DE-ENERGIZE/RE-ENERGIZE CYCLE DEPENDENT ON SUB-ZONE CONTROLLER.
2. SUB ZONE CONTROL TYPE (SWITCHED OR DIMMED) INDEPENDENT OF PROVOLT RC EXCEPT AS NOTED ABOVE.
3. ANY QUANTITY OF SUB ZONES MAY BE EMPLOYED AS LONG AS PRIMARY AND SUB ZONE LOADS REMAIN LESS THAN THE RATED CAPACITY OF THE PROVOLT RC RELAY.
4. CONTROL RECEPTACLE(S) AUTO ON/OFF BASED ON OCCUPANCY – NO MANUAL CONTROL.

STARIWELL LANDING – TWO ZONE  
PRC

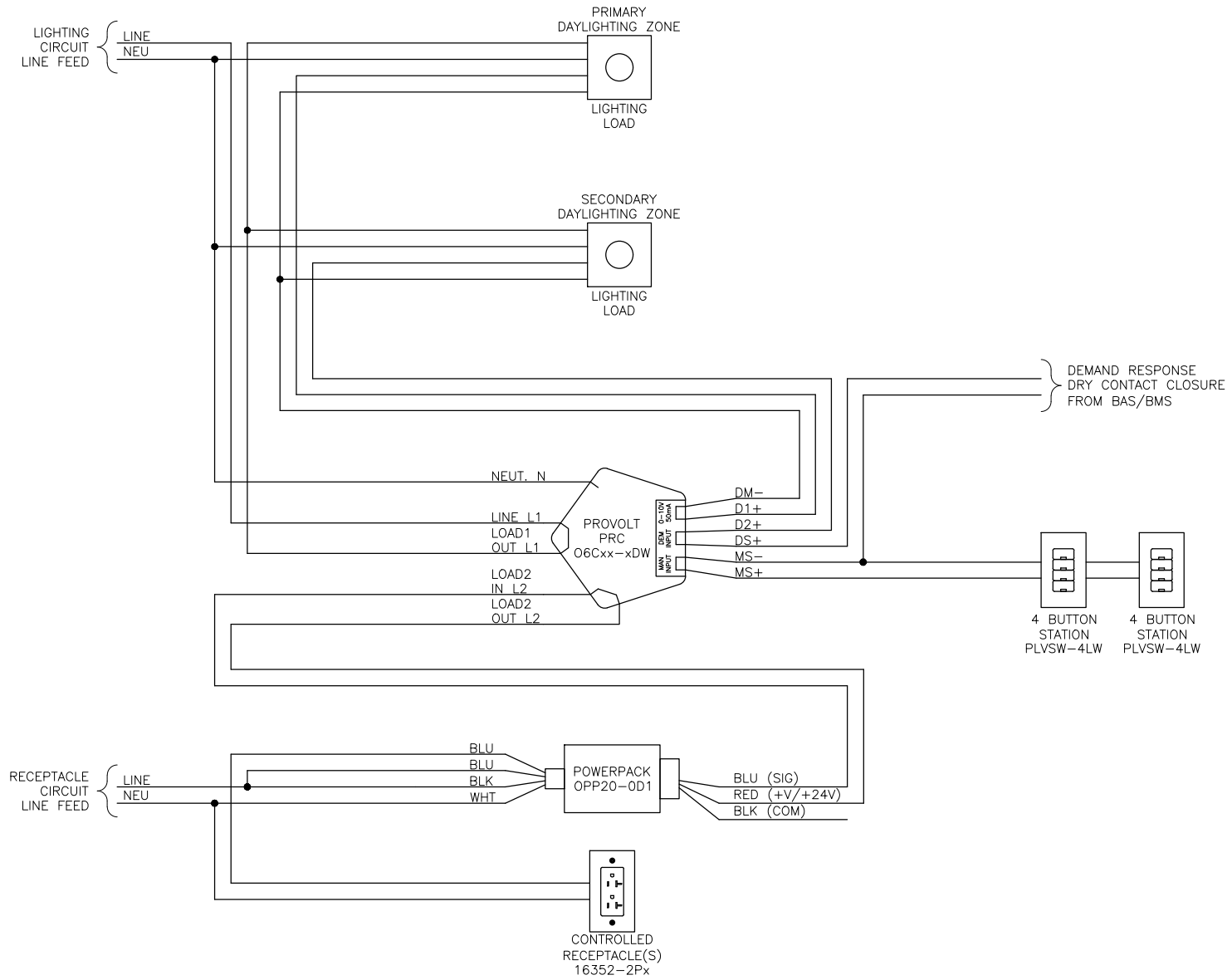


STAIRWELL LANDING – SINGLE ZONE  
PRC



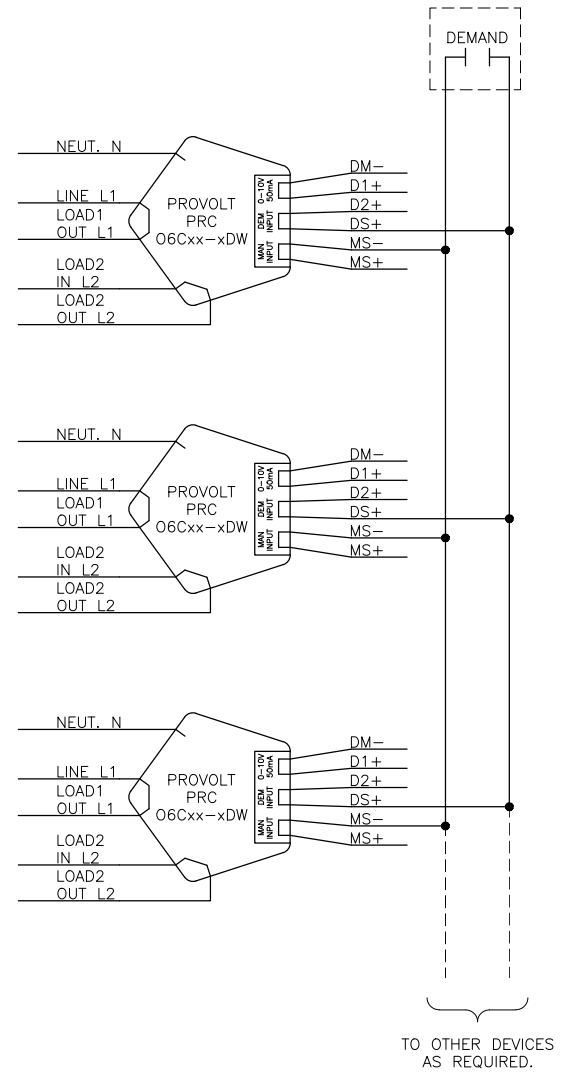
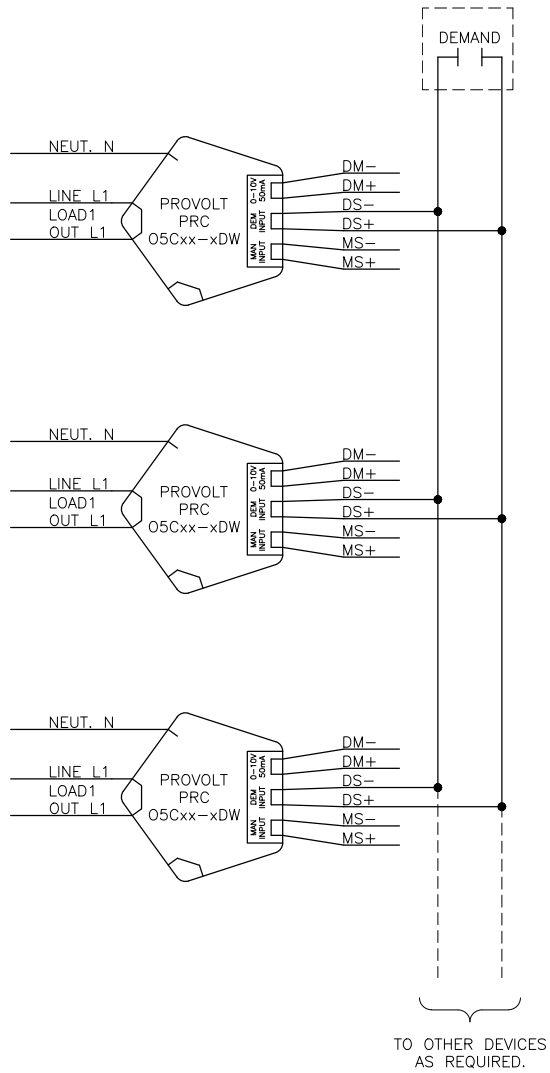


COMMON AREA  
PRC



# DEMAND RESPONSE TERMINATIONS

## PRC



### NOTES:

1. DEMAND RESPONSE
  - TRIGGERED BY DRY CONTACT CLOSURE.
  - DEMAND RESPONSE PER ENERGY CODE OPERATIONAL REQUIREMENT.
  - QUANTITY OF DEVICES TRIGGERED ON SAME CLOSURE NOT TO EXCEED 30.
2. OTHER CONNECTIONS NOT SHOWN FOR CLARITY. REFER TO PRODUCT INSTALLATION MANUALS FOR MORE INFORMATION.
3. ADDITIONAL DEVICES (AS REQUIRED) WIRE IN PARALLEL.