

Conference Room

Title 24 Part 6 2022 Compliant

Dimming with NX Distributed Intelligence

BILL OF MATERIALS

NXHNB2 - NX Network Bridge Module for networking rooms together
NXRCFX2-1RD-UNV - NX Room Controller 1 relay on/off for receptacle or 0-10 volt dimming for lighting
NXRCFX2-2RD-UNV - NX Room Controller with 2 relays with 0-10 volt dimming
NXSMDT-OMNI - The NX Occupancy/Daylight Sensor, 24V, Ceiling Mount, PIR and Ultrasonic, 360°, 2,000 Sq. Ft.
NXSWR-SS-WH - NX Digital Scene Switch, 6 Buttons, 4 Presets, Raise/Lower, White
NXSW-TH3 - NX Touch Screen Interface

| QTY | SYMBOL LIST |
|-----|---|
| 1 |  NETWORK BRIDGE |
| 2 |  ROOM CONTROLLER 1 RELAY |
| 2 |  ROOM CONTROLLER 2 RELAYS |
| 2 |  OCCUPANCY/DAYLIGHT SENSOR |
| 1 |  SWITCH-SCENE |
| 1 |  TOUCH SCREEN SWITCH |

CODE REQUIREMENTS

- 130.1(a): Manual Area Controls
 130.1(b): Multilevel Lighting Controls
 Table 130.1-A: Continuous Dimming 10-100 %
 130.1(c): Shut - Off Controls
 130.1(d): Automatic Daylight Responsive
 130.1(e): Demand Response Controls for Building > 4000 Watts
 110.12 (a): 1.B responding to signal from a certified Virtual End Node
 130.1(f): Control Interactions
 130.5(d): Controlled Receptacles

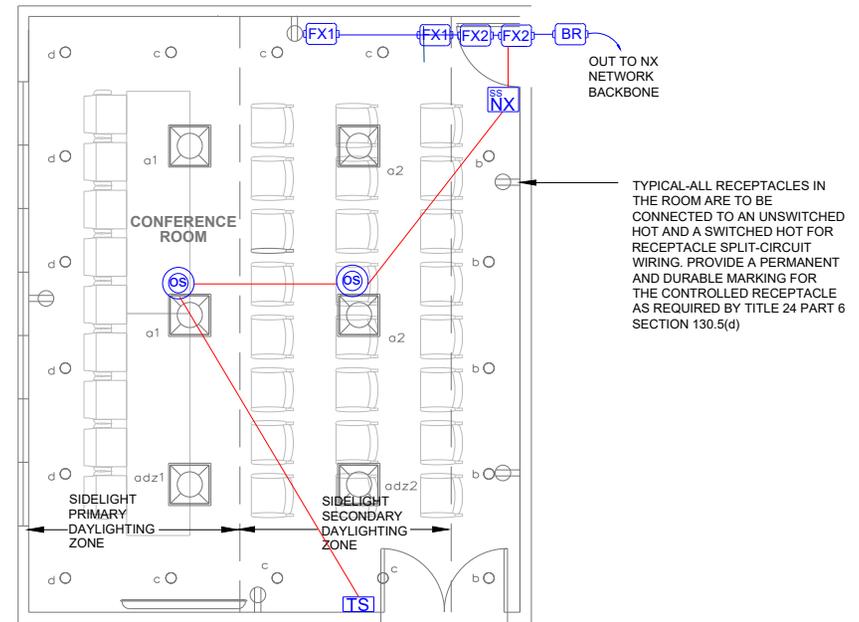
SEQUENCE OF OPERATION

- General lighting (a1, a2) Partial On to 50% and controlled receptacles Auto On when occupancy detected.
- Manual On/Off/Dim general lighting (a1, a2) and down lighting (b, c, d) with scene switch or touch screen.
- Scene settings

| | |
|------------------|---|
| General Lighting | (a1, a2) 100%, (b) 0%, (c) 0%, (d) 0% |
| Projection | (a1, a2) 0%, (b) 75%, (c) 50%, (d) 0% |
| Conferencing | (a1, a2) 50%, (b) 50%, (c) 25%, (d) 50% |
| All Off | (a1, a2) 0%, (b) 0%, (c) 0%, (d) 0% |
- Lighting in primary (a1) and secondary (a2) daylight zones will continuously dim based on daylight contribution to maintain a consistent task level.
- Auto off all lighting and controlled receptacles within 20 minutes of vacancy.

DESIGN CONSIDERATIONS

- BMS Integration and Demand Response functions are enabled by using a NX bridge for connectivity.



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| PLP <small>SoCal</small> | REV: | QUOTE ID: | DATE: | BY: | TITLE 24 PART 6 2022 Large Conference Room |
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| <small>Controls Dept. Phone: 213-471-7245 Email: lighting@currentlighting.com</small> | Current | | | | <small>PROJECT #: ISSUED BY: ISSUE DATE: DRAWING - CURRENT REVISION © 2022 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values unless indicated under laboratory conditions.</small> |
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