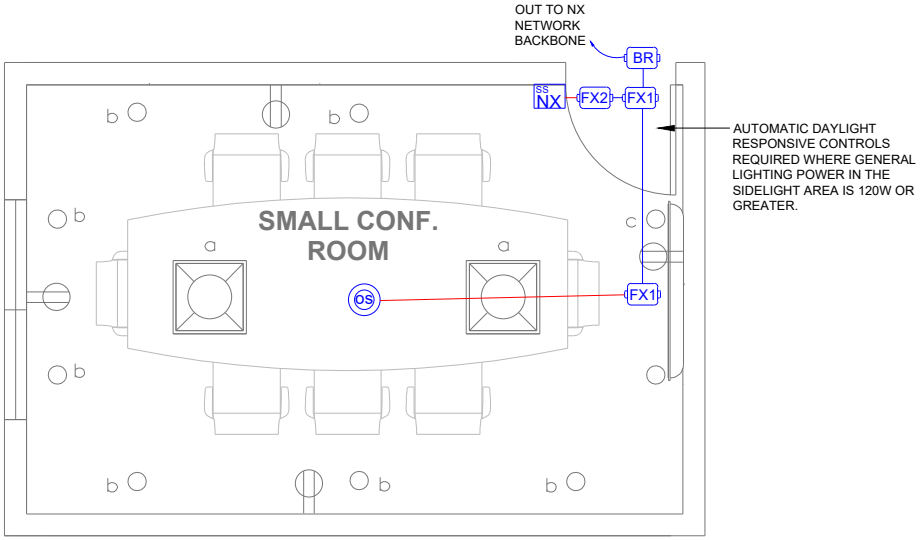
Small Conference Room

Title 24 Part 6 2022 Compliant
Dimming with NX Distributed Intelligence

QTY	SYMBOL LIST
1	BR NETWORK BRIDGE
2	FX1 ROOM CONTROLLER 1 RELAY
1	FX2 ROOM CONTROLLER 2 RELAYS
1	OS OCCUPANCY/DAYLIGHT SENSOR
1	SS NX SWITCH-SCENE

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 - NX Occupancy/Daylight Sensor, 24V, Ceiling Mount, PIR and Ultrasonic, 360º, 2,000 Sq. Ft.
NXSW2-SS-WH - NX Digital Scene Switch, 6 Buttons, 4 Presets, Raise/Lower, White



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(e): Demand Response Controls 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

1. General lighting (a) Partial On to 50% and controlled receptacles Auto On when occupancy detected.
2. Manual On/Off/Dim general lighting (a) and down lighting (b, c) with scene switches.
3. Scene settings

General Lighting	(a) 100%, (b) 0%, (c) 0%,
Video	(a) 0%, (b) 75%, (c) 50%,
Conferencing	(a) 50%, (b) 50%, (c) 25%,
All Off	(a) 0%, (b) 0%, (c) 0%,

4. Auto off all lighting and controlled receptacles within 20 minutes of occupants leaving.

DESIGN CONSIDERATIONS

- BMS Integration and Demand Response functions are enabled by using a NX bridge for connectivity.
- System Configuration Tools:
  Standalone rooms use the NX Lighting Controls APP (Apple or Android)
  Networked rooms NX Area Controller (NXAC)

LIGHTING SYSTEMS
www.ltgsys.com
(510) 982-3900
2322 6th Street
Berkeley, CA 94710

TYP SMALL CONFERENCE ROOM - TITLE 24 2022

MANUFACTURER: NX BY CURRENT

APPLICATION

DATE: 07/26/23

1.2.0