



Smart Building Technology
and Hybrid Work Solutions

Cisco Talent and Collaboration Centers

Brainstorming Huddle Room Design Guide



Introduction

Overview and Intent

This document provides guidance on how to effectively design the Brainstorming Huddle Room.

This design brings space layout, technology, and furnishings together to create an optimal experience for those present locally and for remote attendees.

Each customer project is unique. Thus, it is important to involve local facilities teams, workplace design resources, architects and space designers, IT, and a Cisco-certified integrator. The collective goal is to finalize the details of any design, verify the applicability and address any local concerns – electrical/mechanical, orientation, and location of the room within the floor plan, accessibility, circulation, and external factors such as noise, light, and temperature.

Room Description

A perfect space for an ad-hoc brainstorming session or when you want to co-create with a colleague on an important project. There are two furniture configurations, using a standard or bar height table, with different mounting options for the Cisco Board Pro. Bar height is preferred, as the upright posture encourages people to interact with the technology and discourages employee from “camping.”

Supported Collaboration Activities

Information Sharing	✓
Brainstorming	✓
Team Building	
Decision Making	✓

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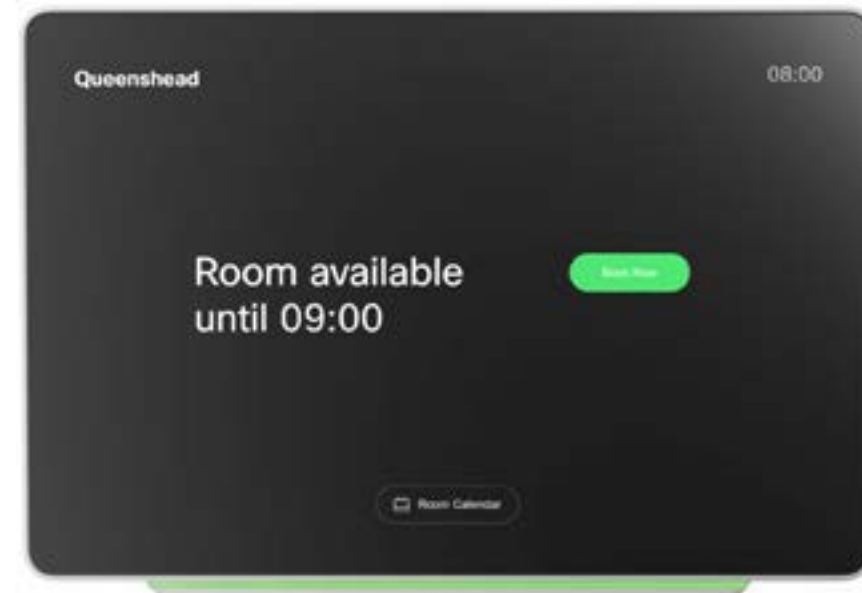
Visualization of key Cisco elements

Cisco Board Pro 55

Adjustable mount recommended



Cisco Room Navigator for Wall



Video Device Mounting Options

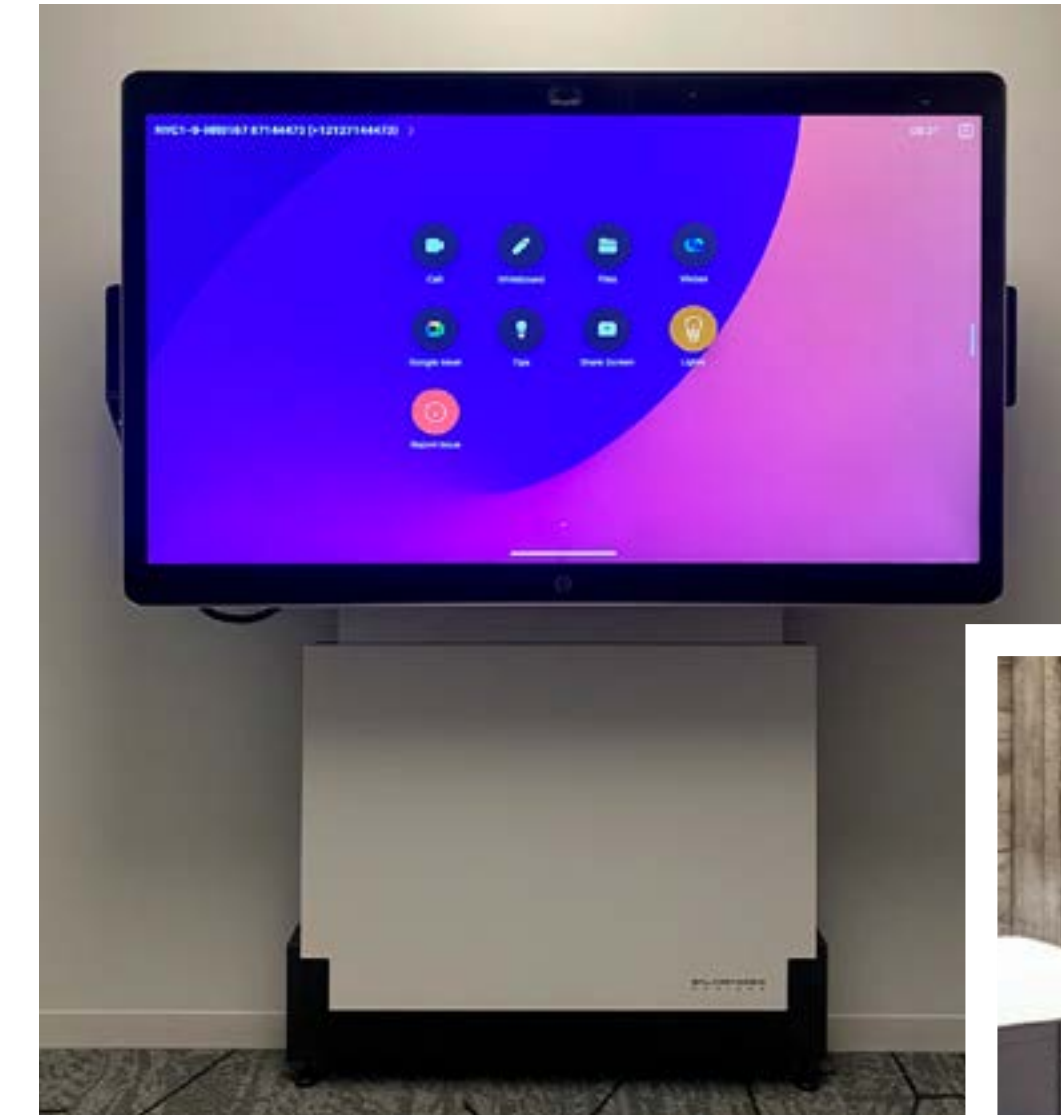
If the wall is blocked, and standard height furniture (28" or ~71cm) is selected, the optimal mounting solution is to use an adjustable height wall mount. This option allows end users to use the device in both a standing and seated position.

If the wall is blocked, and a counter (~36" or ~91cm) or bar height (~42" or ~107cm) table is being used, the Cisco Board Pro is best deployed using the standard wall mount kit from Cisco.

If the wall is not blocked, there are a number of wall stands or low profile (shallow depth) credenzas available that only require wall tethering with anchors. Please note if the credenza option is used, the room may need to be slightly larger. Regardless of the option chosen, please consult the manufacturer for mounting details.



Adjustable Height
Wall Mount

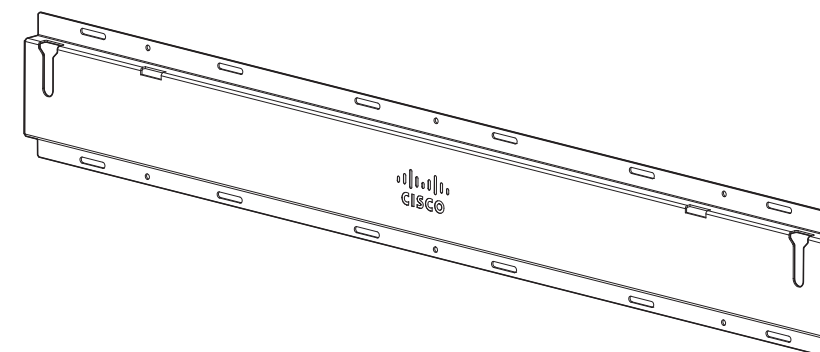


Floor Stand



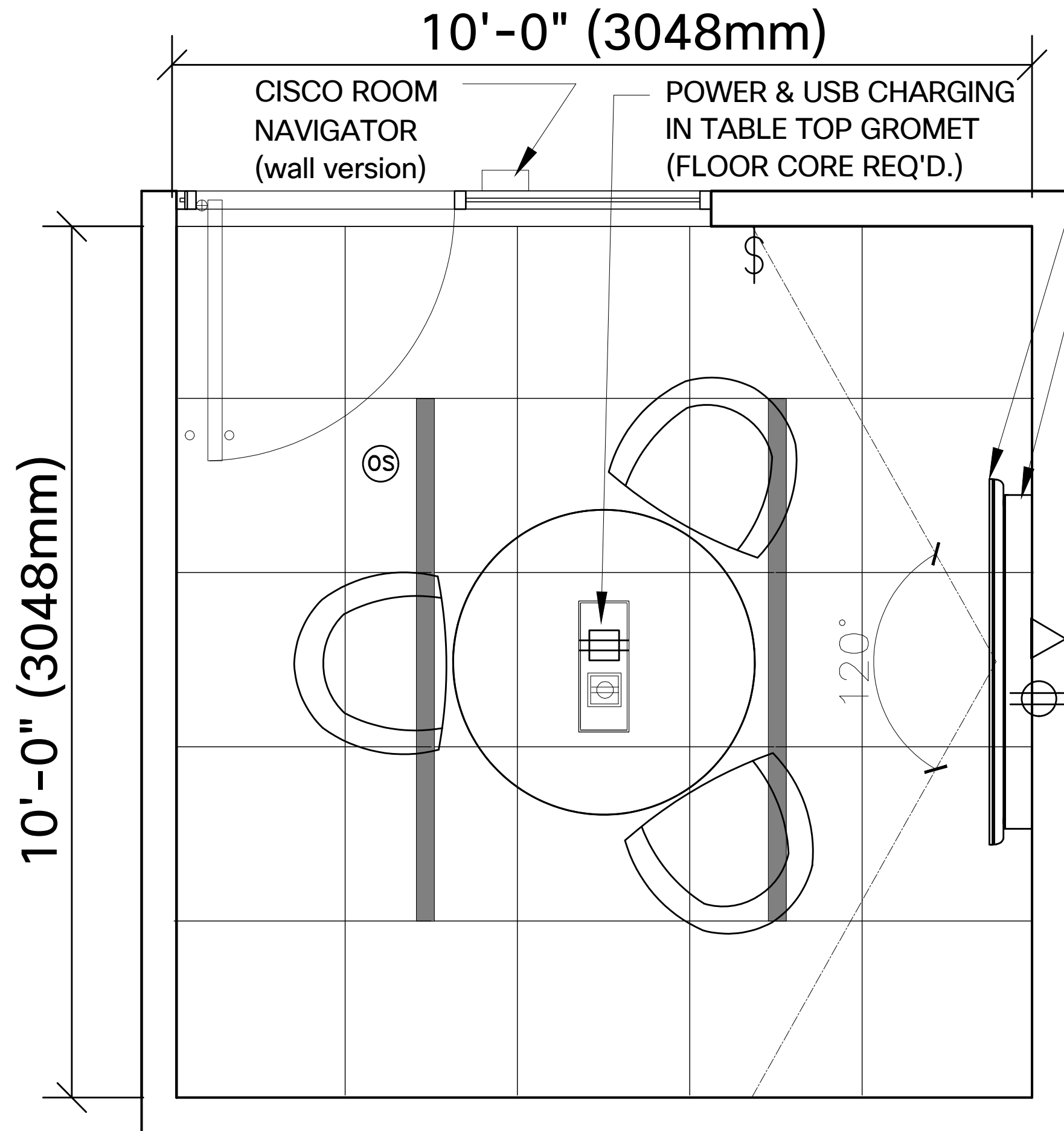
Cisco Board Pro
Wall Mounting Kit

Board Pro 55
Wall Mount Bracket



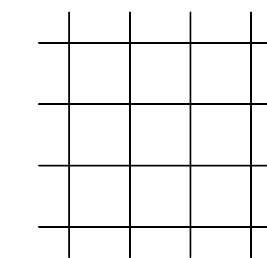
Low-profile
Credenza

Composite Plan



CISCO BOARD PRO 55"
FIXED OR ADJUSTABLE MOUNT
(DEPENDING ON TABLE HEIGHT)

Graphics Symbols



ACOUSTICAL CEILING AND GRID

LIGHT FIXTURES



LIGHT FIXTURE

FURNITURE SYSTEMS MOUNTED DEVICES



DUPLEX RECEPTACLE



DATA RECEPTACLE

POWER AND COMMUNICATION

WALL MOUNTED DEVICES



DUPLEX RECEPTACLE



DATA RECEPTACLE



LIGHT SWITCH



AV RECEPTACLE

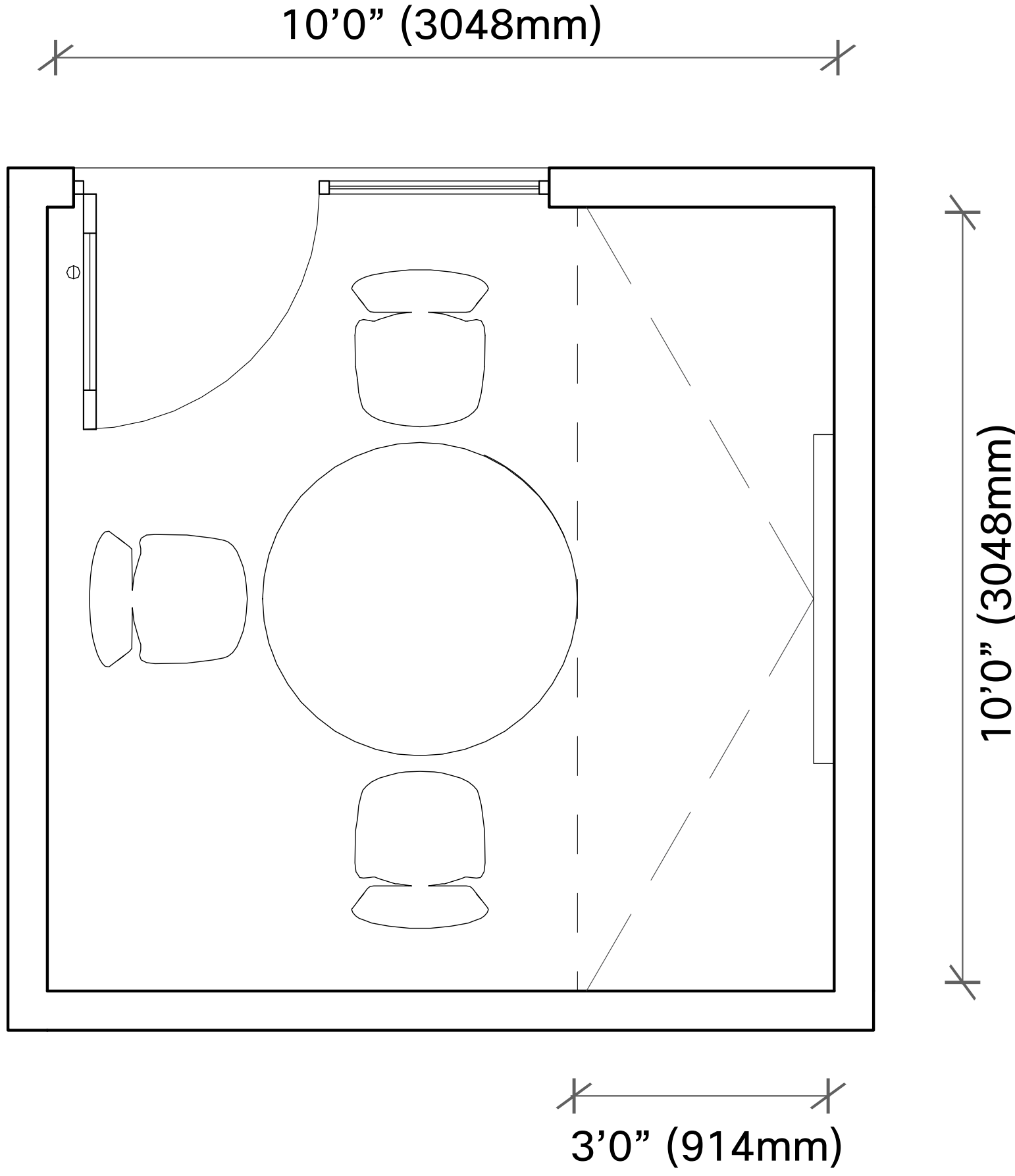
NOTE: PROVIDE SOLID BLOCKING IN WALLS FOR ALL WALL MOUNTED EQUIPMENT & DEVICES

FLUSH FLOOR MOUNTED DEVICES

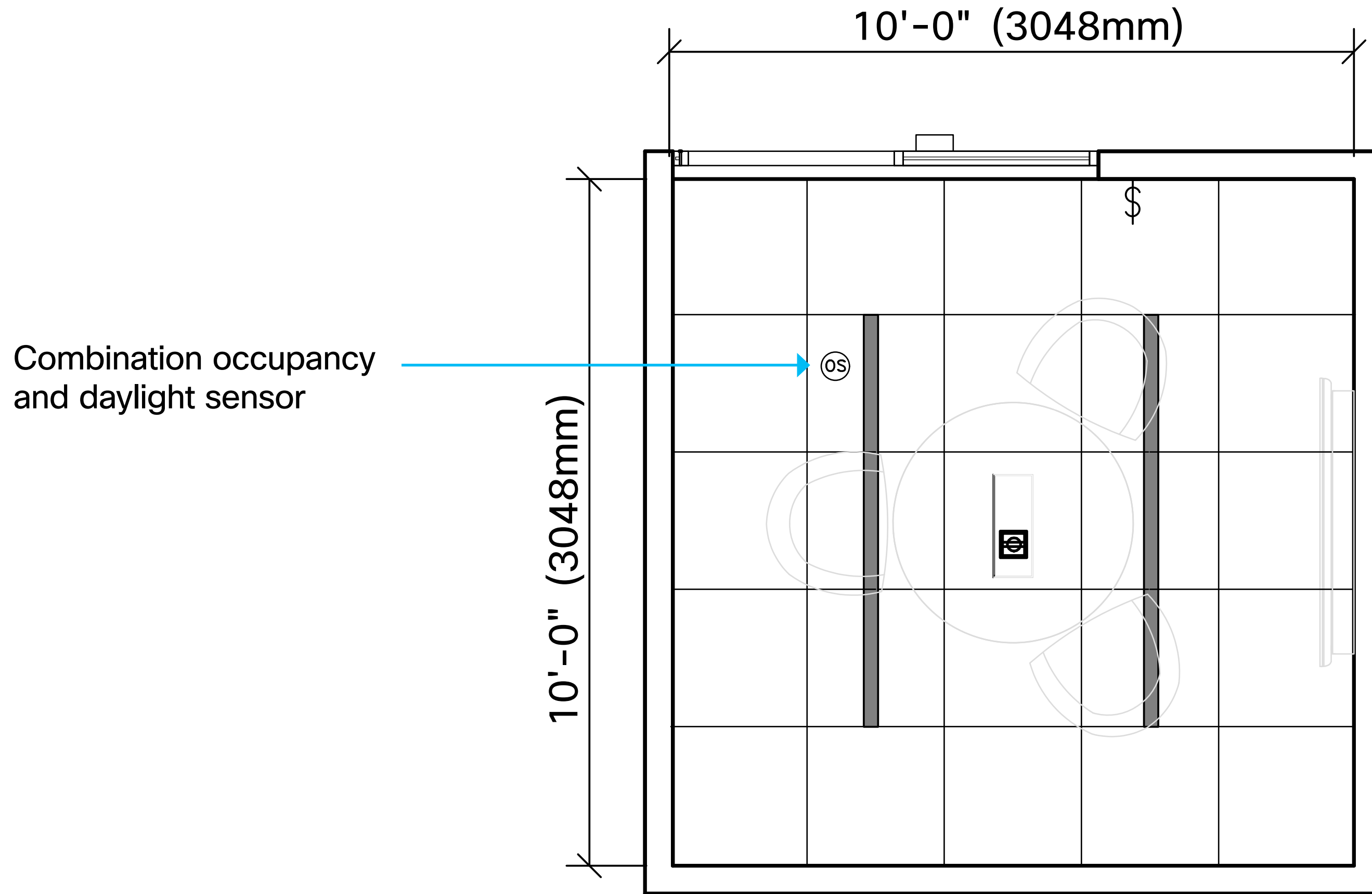


DUPLEX RECEPTACLE

Room Layout

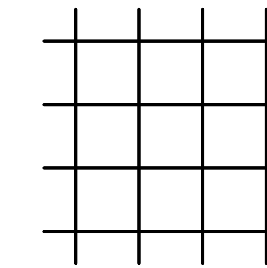


Reflective Ceiling Plan



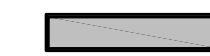
Combination occupancy
and daylight sensor

Graphics Symbols



ACOUSTICAL CEILING AND GRID

LIGHT FIXTURES



LIGHT FIXTURE

POWER AND COMMUNICATION

CEILING MOUNTED DEVICES



ROOM OCCUPANCY SENSOR

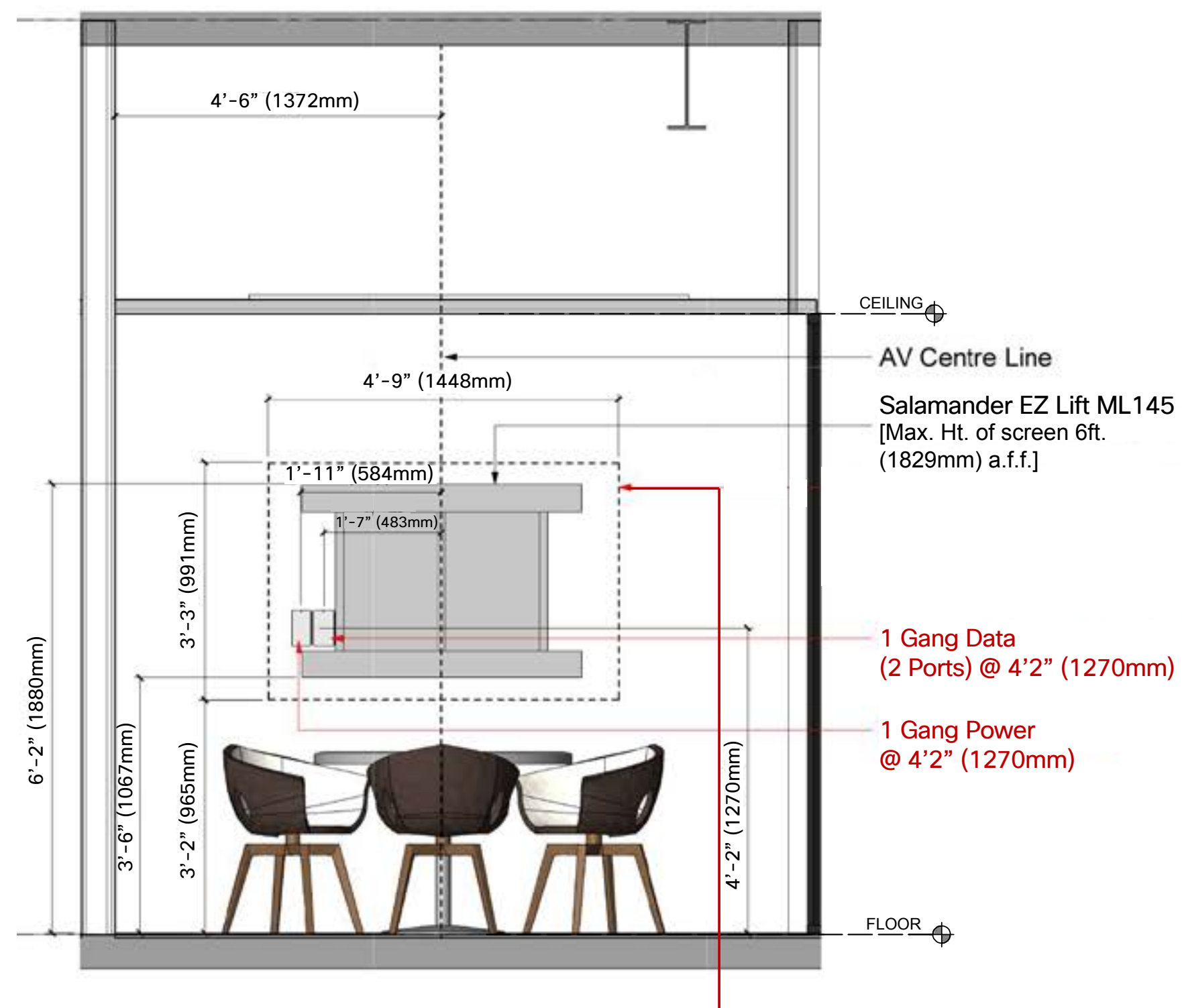
WALL MOUNTED DEVICES



LIGHT SWITCH

Room Elevations - Standard Height Furniture Option

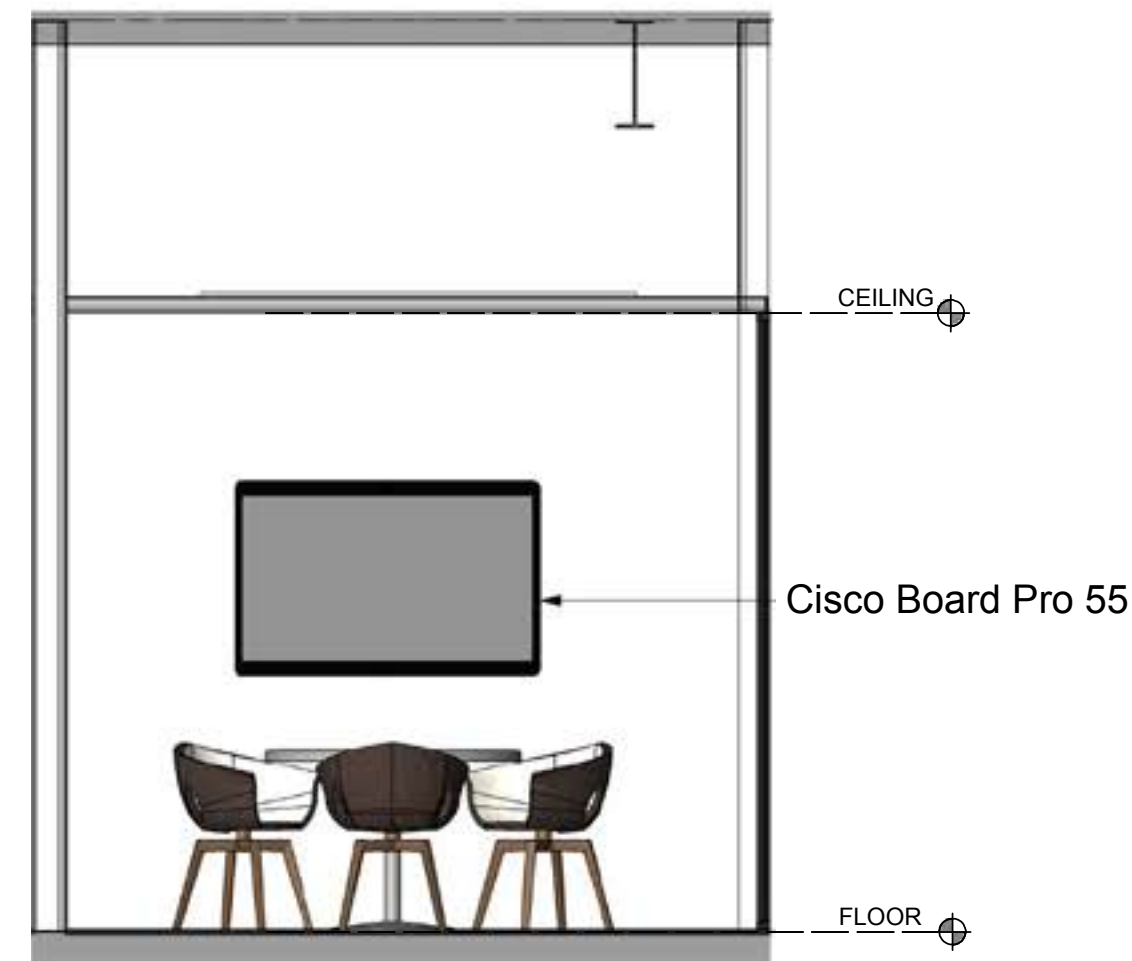
Construction Elevation



Power & Data Notice:
Location to be placed 13"-23"
(330mm - 584mm) off center, away
from exposed entry, flush mounted.

11-Ply (or similar approved), prior to screen
installation. Steel fixings must be able to support
screen specifications. Wall should be made
good to match existing wall finish.

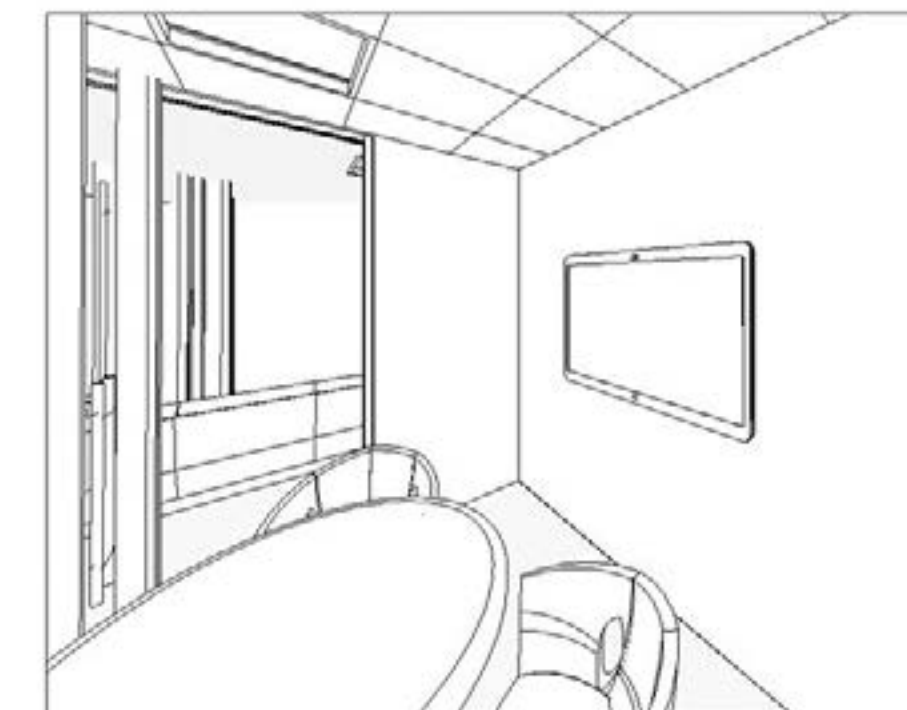
Front Elevation



Side Elevation

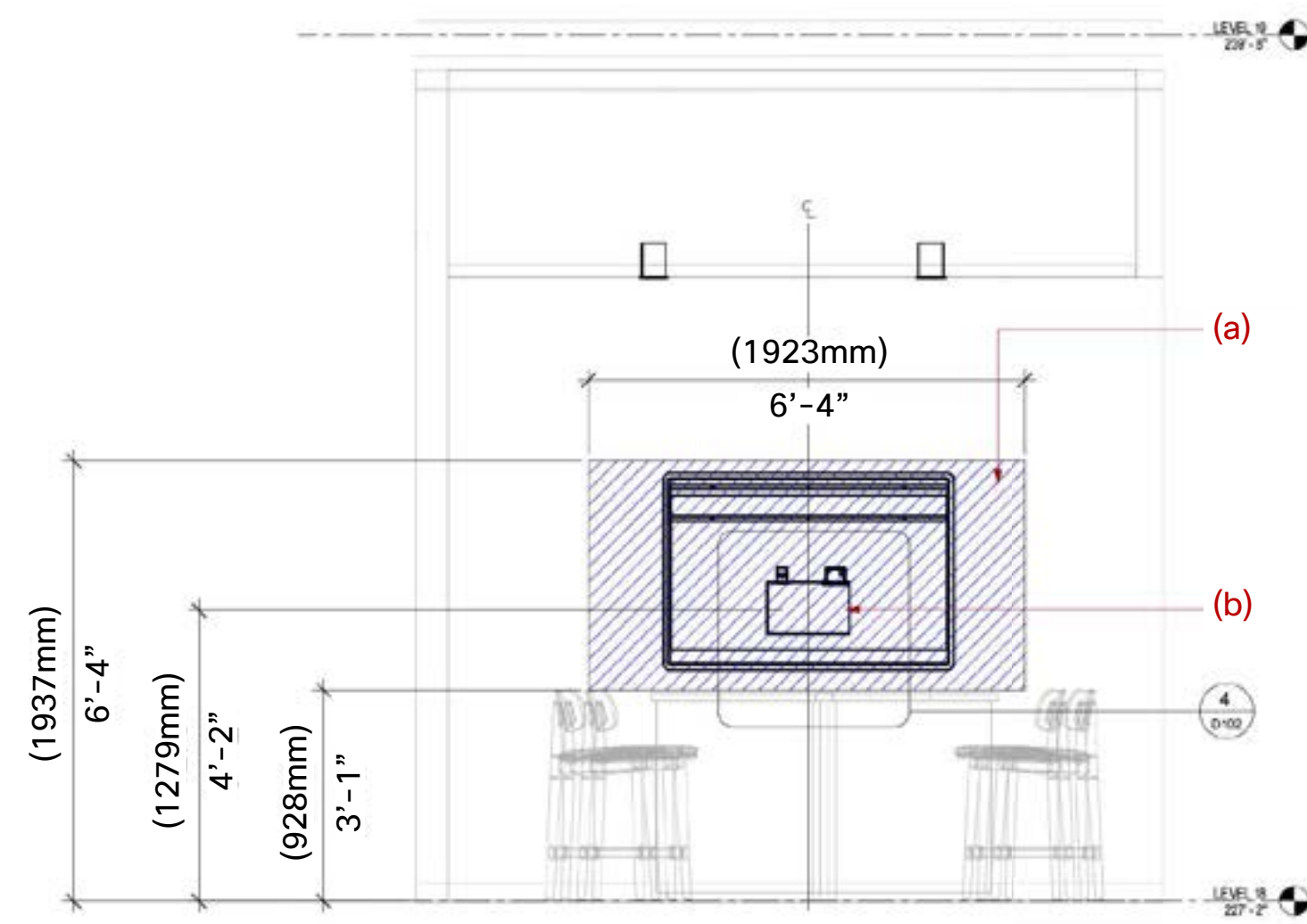


Perspective View



Room Elevations - Bar or Counter Height Furniture Option

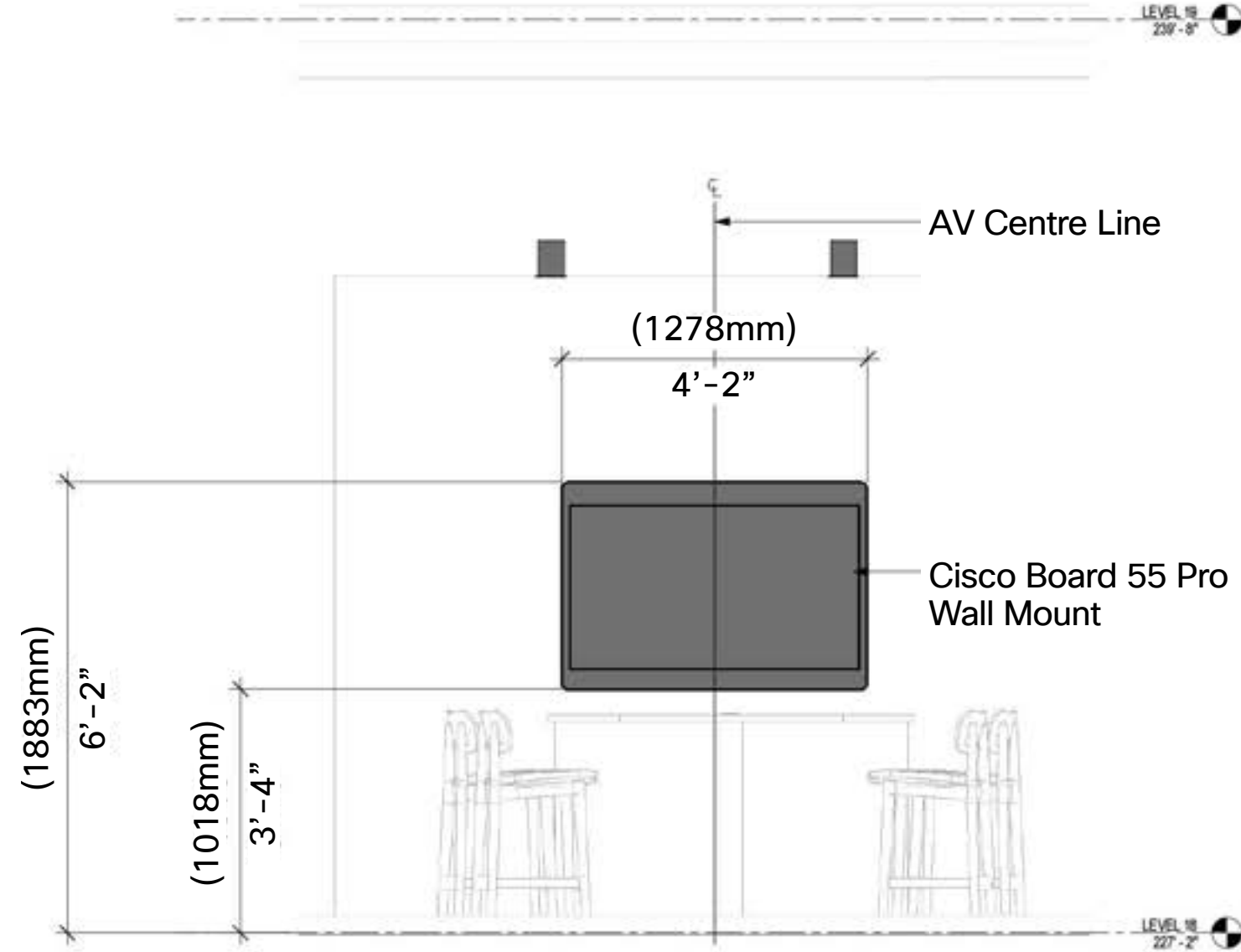
Construction Elevation



(a) 11-Ply (or similar approved), prior to screen installation. Steel fixings must be able to support screen specifications. Wall should be made good to match existing wall finish.

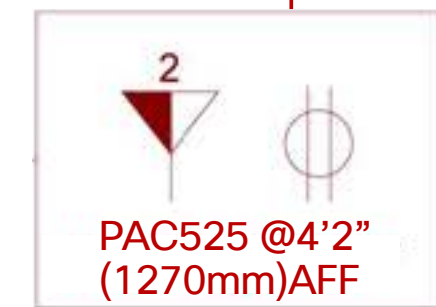
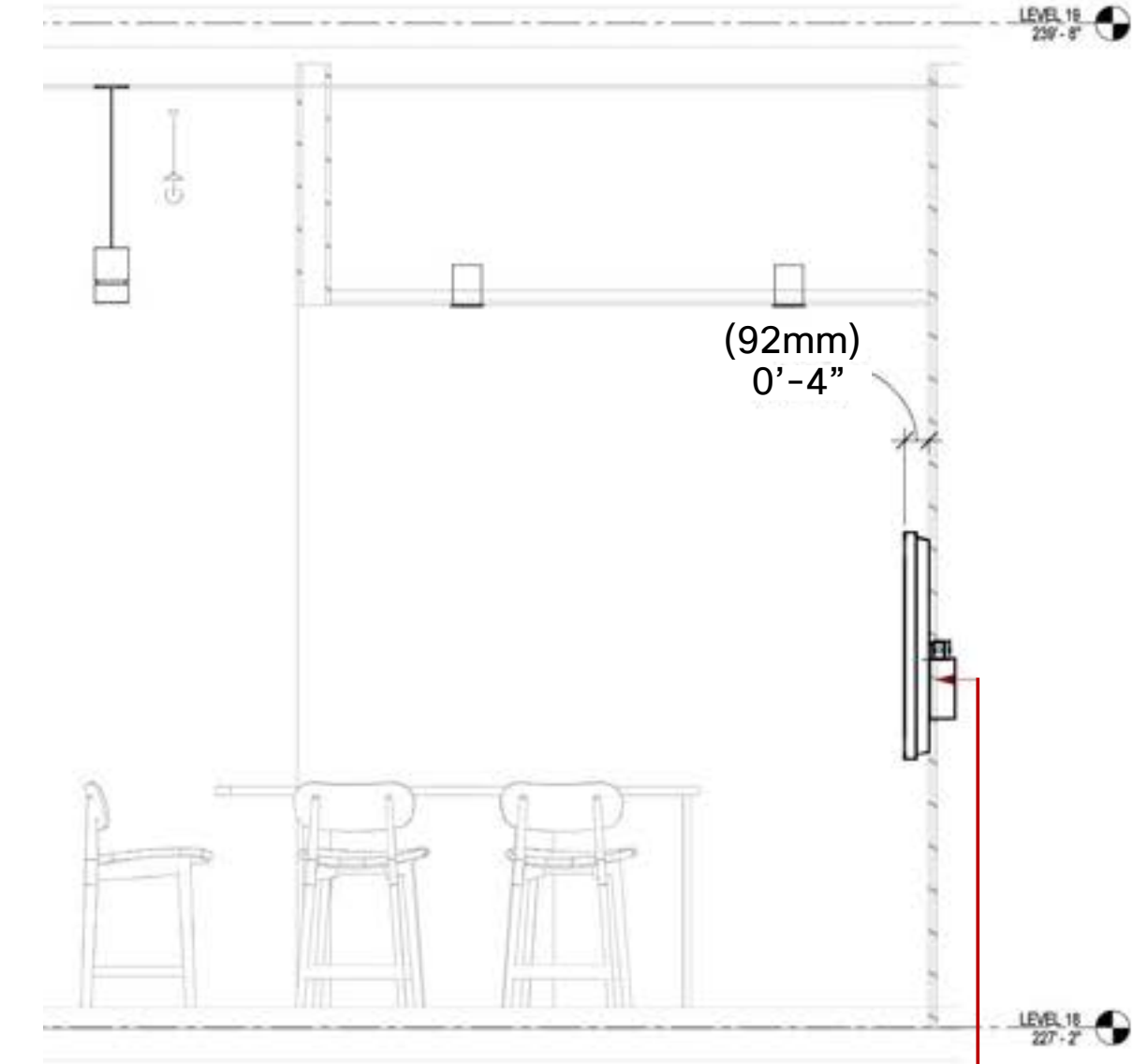
(b) Chief PAC525 installed by others

Front Elevation

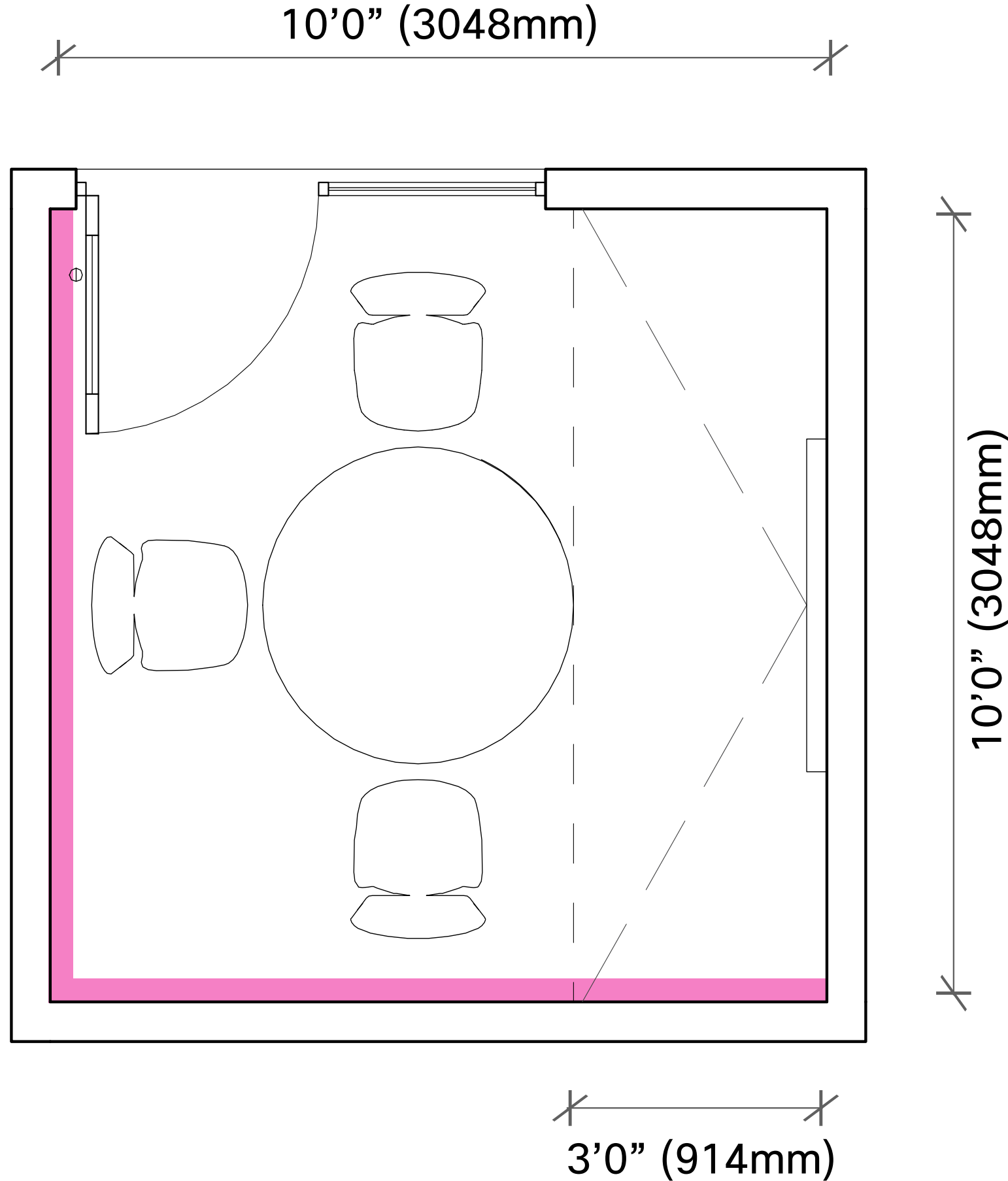


Note: AV Centre Line will be determined by Dimensions on Room Specific Floor Plans

Side Elevation



Acoustical Treatment



- Two walls of acoustical wall treatment is optimal, preferred location is wall opposite device and then adjoining, away from entry location.



Power & Data

General Specifications

Power and data requirements need to be verified for each project. Provide video device power and data even if the project plan does not include it on day one. Based on the design of this space, core drills, and floor boxes will not be required.

Power & Data

Provide one (1) duplex power outlet and one data receptacle with two (2) ethernet ports on the wall behind the video device. If a wall mounting option is used, power and data should be centered and recessed behind the device. If an adjustable lift is used, power and data will be flush mounted and off-center (away from any doors or sidelights so it is not visible), per the manufacturer's requirements. Power and data can be standard height per local code when using the credenza option. The specific location should be confirmed with the manufacturer.

Exploded IT Diagram



Cisco Room Navigator for Wall

It is recommended to run the cable inside the wall or through the door frame directly back to a network switch.

Table Top Charging

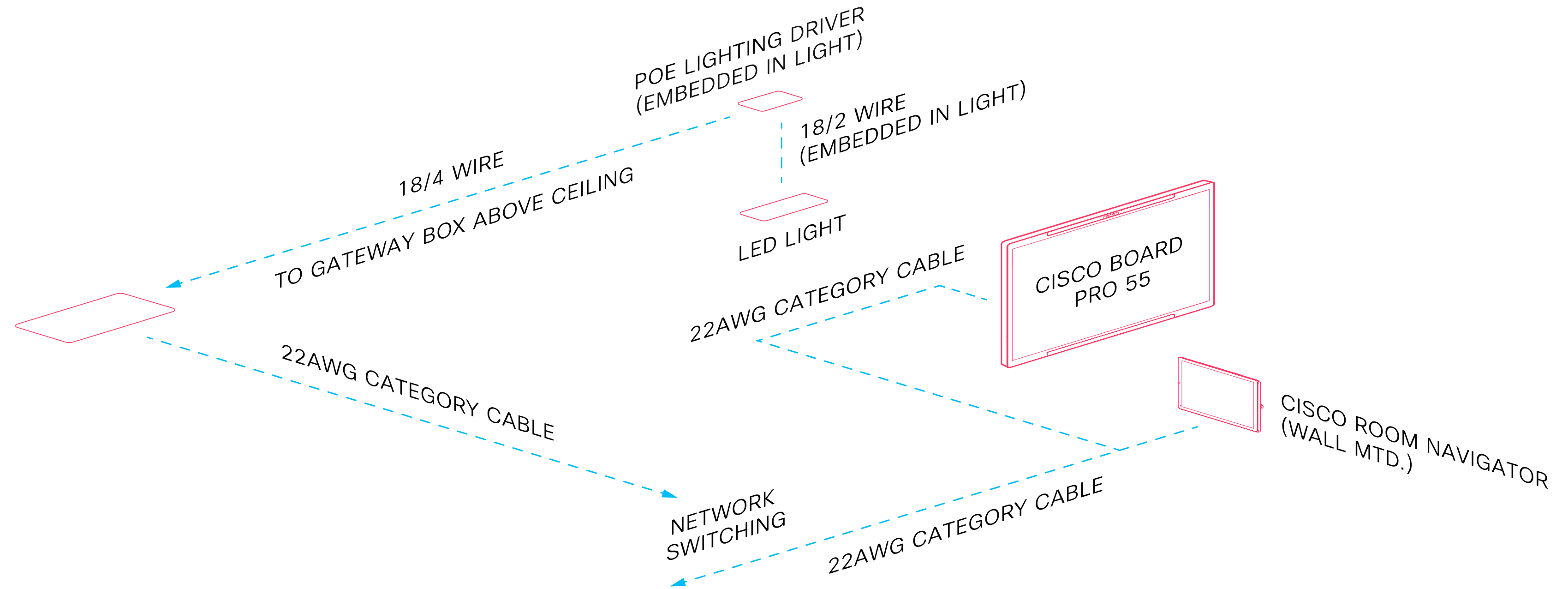
USB-C charging and convenience outlets on table top. Ensure the size of the trough and layout can accommodate a variety of laptop power supplies.

Wall Blocking

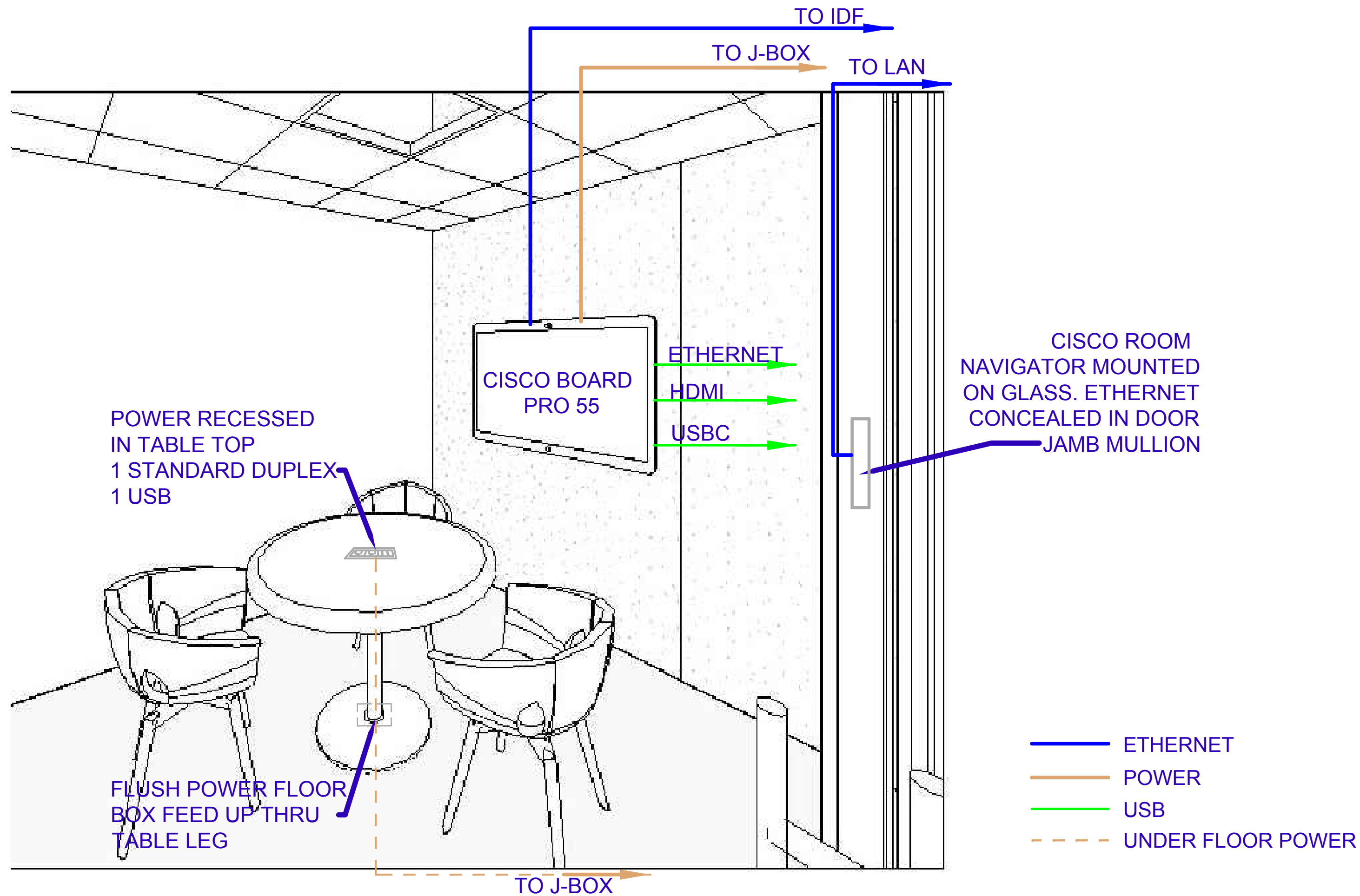
Required when the device is wall-mounted. The size and composition of blocking materials should be determined based on the overall weight of the solution deployed.

Core Drilling

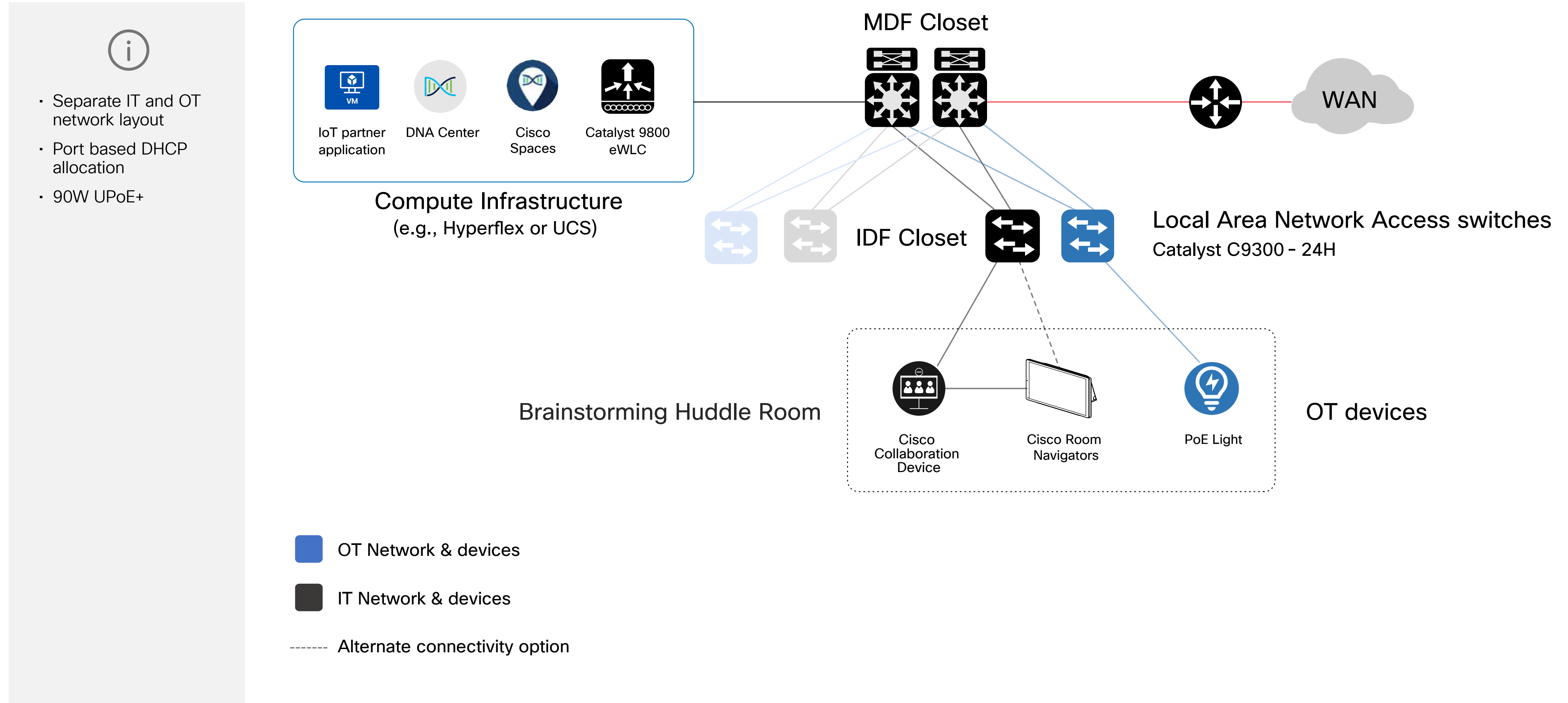
Not required unless HDMI/USB-C cables are present for content sharing, and/or if a Cisco Room Navigator for Table is used and directly connected to the Cisco Board Pro 55.



Connectivity View



IT/OT Reference Architectures



IT/OT Bill of Material

Cisco Products - Video Endpoint in Brainstorming Huddle Room

- **CS-BRD55P-K9** Cisco Board Pro 55
- **CS-T10-WM-K9=** Cisco Room Navigator for Wall

IOT Devices

- IAQ coming from the Cisco Room Navigator or the Cisco Board Pro 55, No additional IoT IAQ
- Occupancy sensing is coming from the Cisco Endpoints
- Suggested lighting specifications: 220LPW raw, 140LPW delivered
- Each Huddle room PoE lights being power by a single port on the ceiling
- Traditional DC Wall Switch
- Ensure the device is not plugged into ASHRAE 90.1 outlet (if used)

External microphones and speakers

- Mic and speakers are embedded in the Cisco Endpoints, no additional mic or speakers required
-

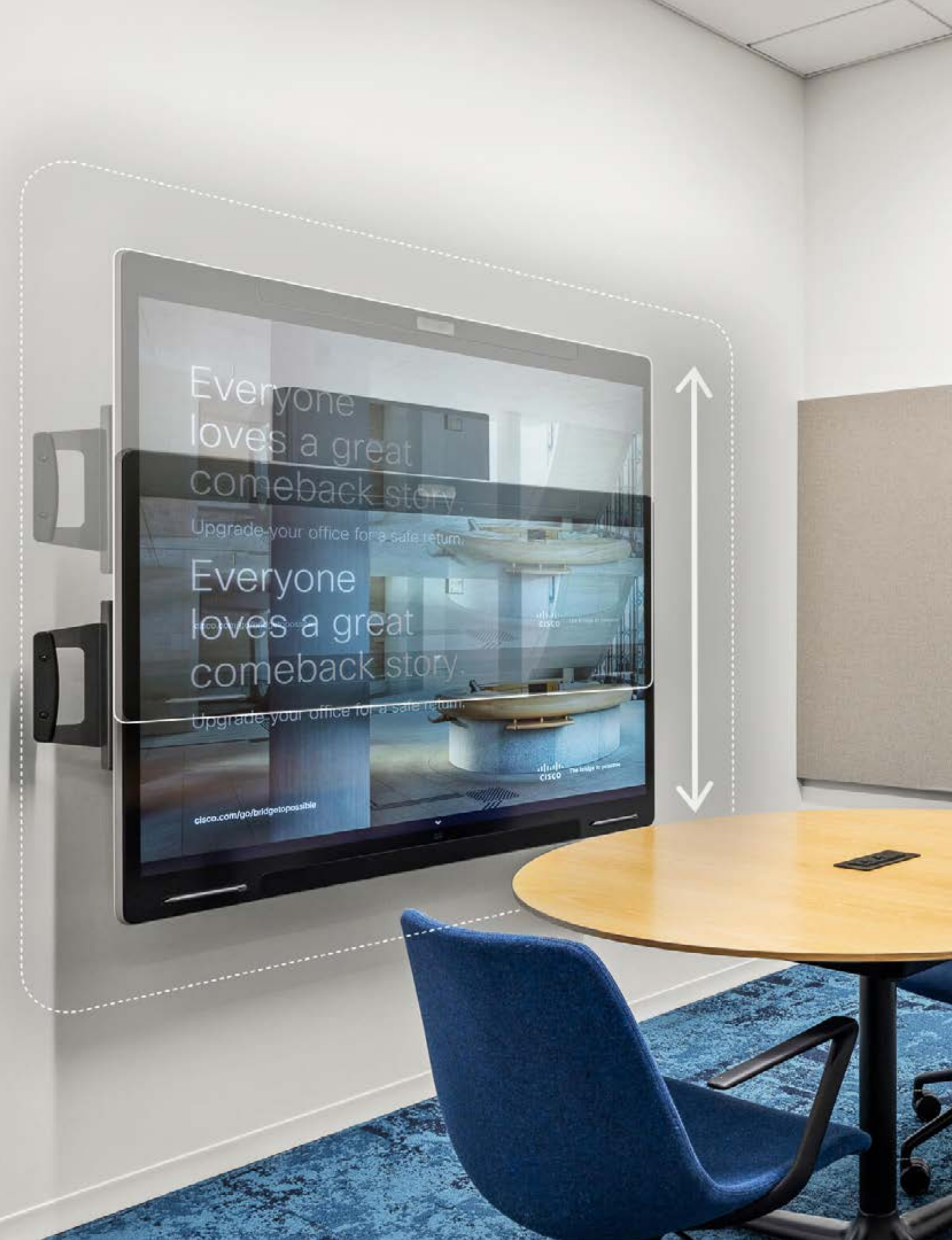
Commissioning-User Acceptance Testing (UAT) Criteria (Sample)

OT/Space Testing

- Verify manual adjustment of lights, shades and environmental controls are operational from wall controls
- Confirm lighting occupancy sensor is functional
- Check any tabletop power and data functionality
- Verify any smart buildings integrations are working properly

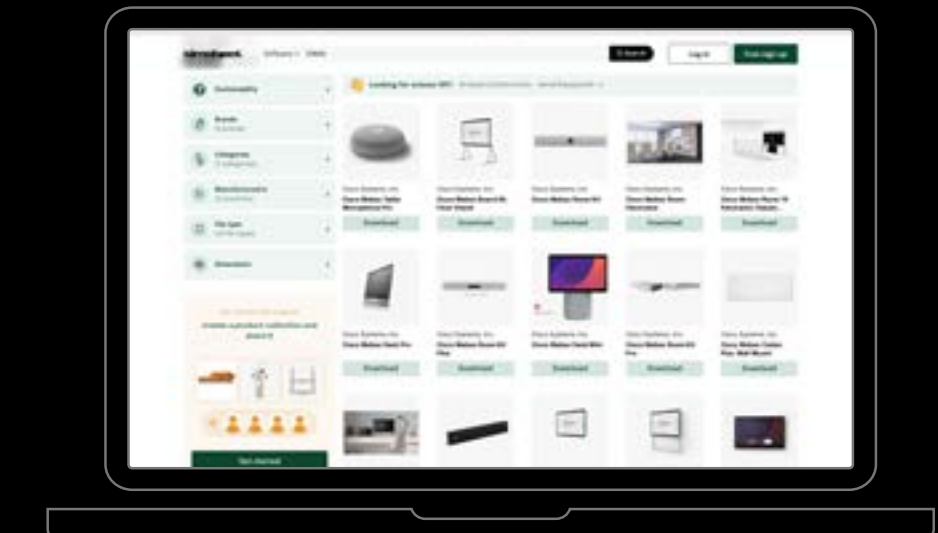
IT Testing

- Internet connectivity of Cisco Collaboration device
- Initiate test calls on video endpoint (via Board Pro, Webex app and voice controls)
- Validate environmental metrics are being displayed on Cisco Board Pro 55
- Confirm help videos are loaded
- Confirm occupancy beacon function is correctly working on Cisco Room Navigator for Wall
- Verify the Cisco Smart Workspaces display is showing proper presence status



Design Files

Design files (Revit, AutoCAD, Sketch up, Rhino3D, etc.) for Cisco's collaboration devices, network switches, wireless access points and Meraki security cameras can be found at www.bimobjects.com, search "Cisco."



Resources

Guide: Best Practices for Creating Effective Video-enabled Rooms

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The intent of this document is to highlight the details, components and partners used in the creation of a Large Collaboration Room. Any reference herein to any specific commercial products or service does not necessarily constitute or imply its endorsement or recommendation.

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