



Smart Building Technology  
and Hybrid Work Solutions

# Cisco Talent and Collaboration Centers

Brainstorming Huddle Room Design Guide



## 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	✓

## Table of Contents

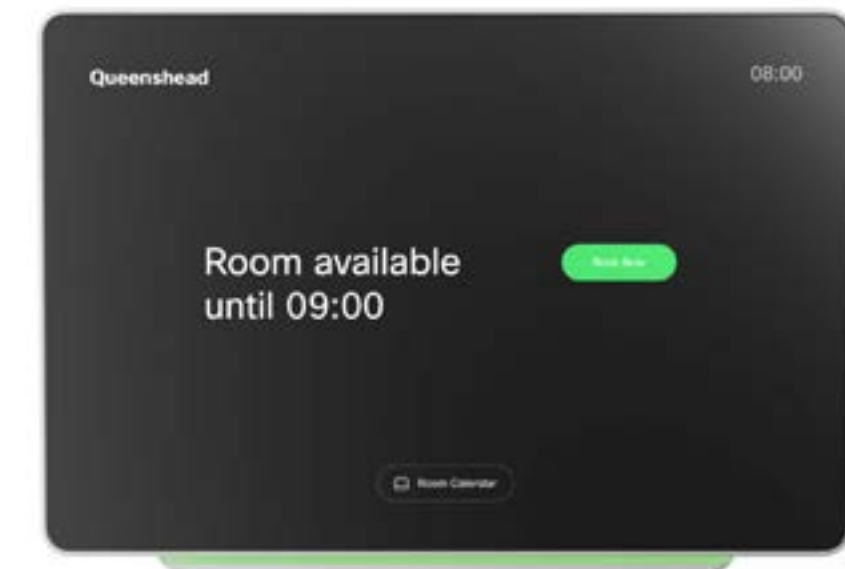
# Visualization of key Cisco elements

## Brainstorming Huddle Room

### Cisco Board Pro 55

Adjustable mount recommended

### Cisco Room Navigator for Wall



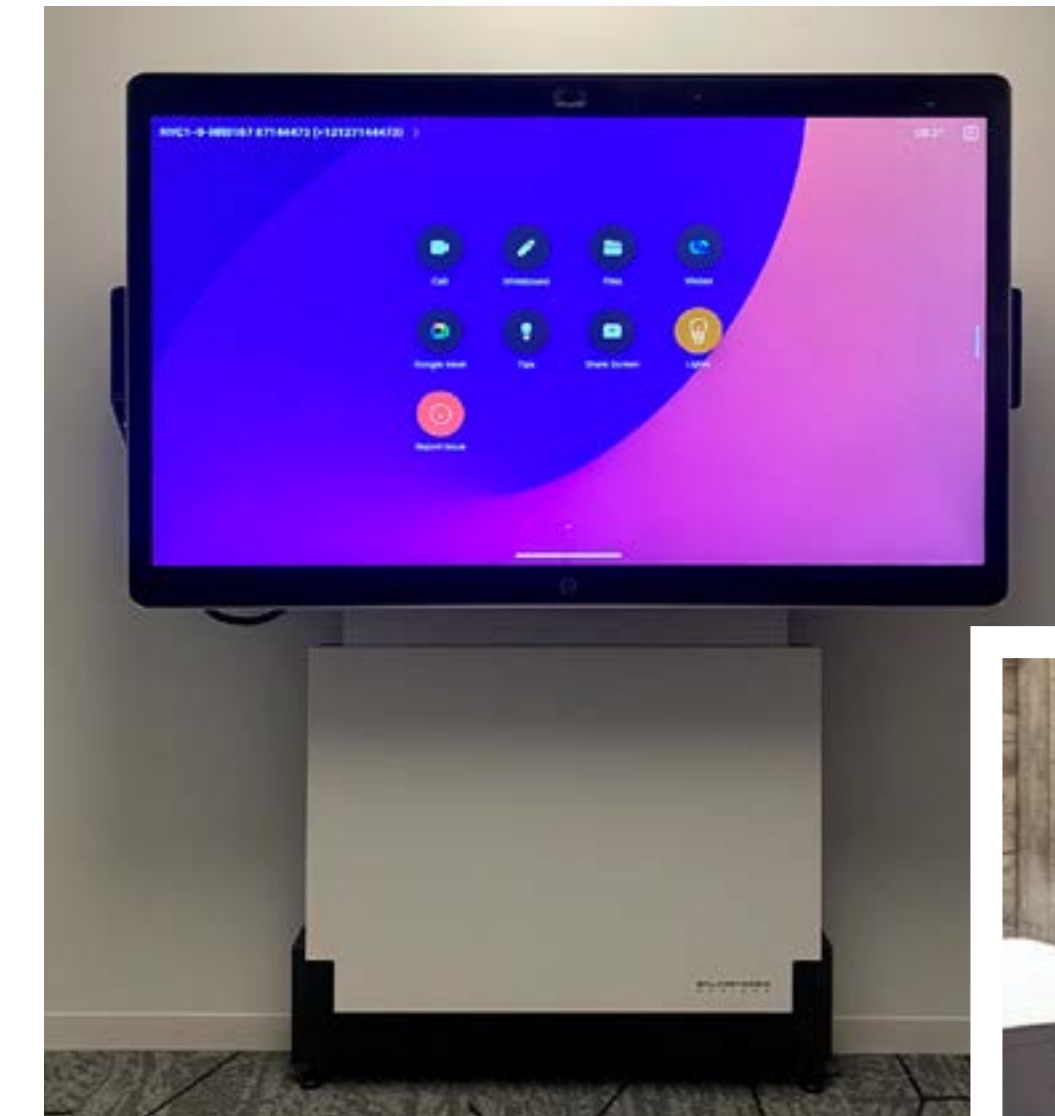
# Video Device Mounting Options

## Brainstorming Huddle Room

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.



Adjustable Height  
Wall Mount



Floor Stand

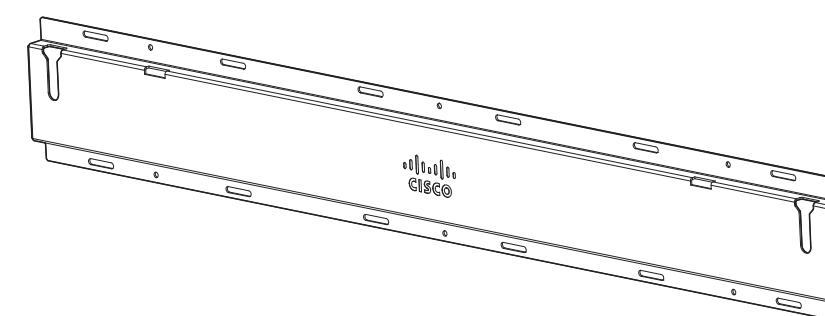


If the wall is blocked, and a counter (~36" or ~91cm) or bar height (~42" or ~107cm) table is being used, the Cisco Board Pro is best deployed using the standard wall mount kit from Cisco.



Cisco Board Pro  
Wall Mounting Kit

Board Pro 55 wall mount bracket



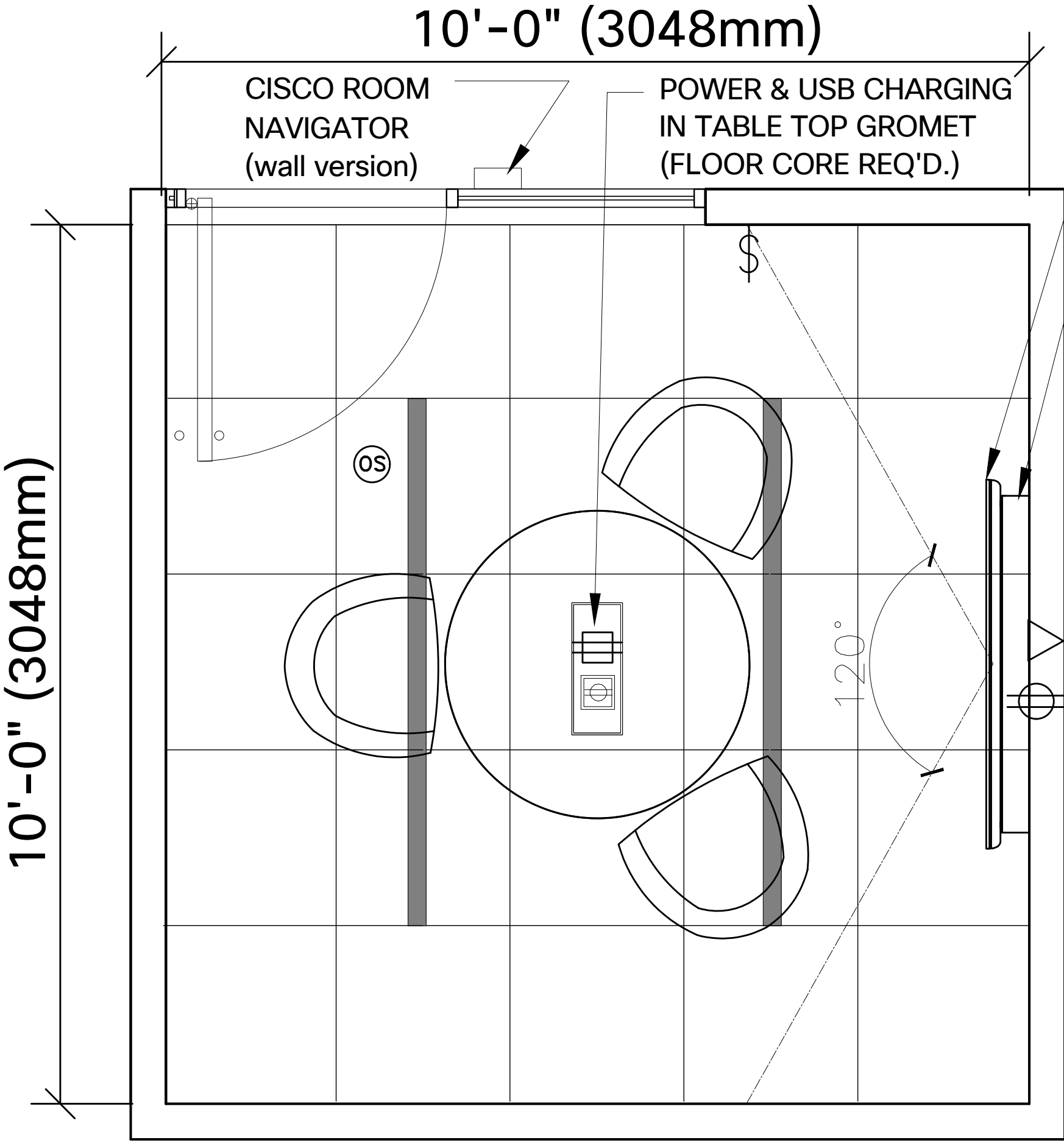
If the wall is not blocked, there are a number of wall stands or low profile (shallow depth) credenzas available that only require wall tethering with anchors. Please note if the credenza option is used, the room may need to be slightly larger. Regardless of the option chosen, please consult the manufacturer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



Low-profile  
Credenza

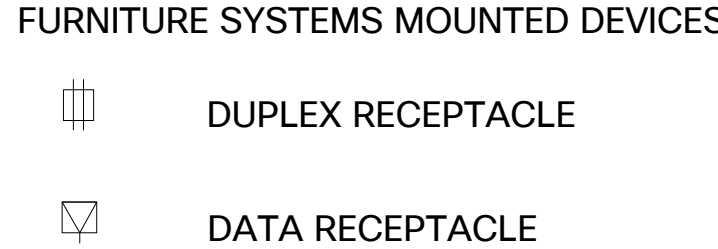
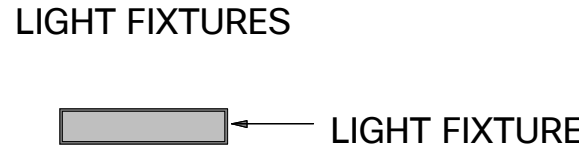
# Composite Plan

## Brainstorming Huddle Room

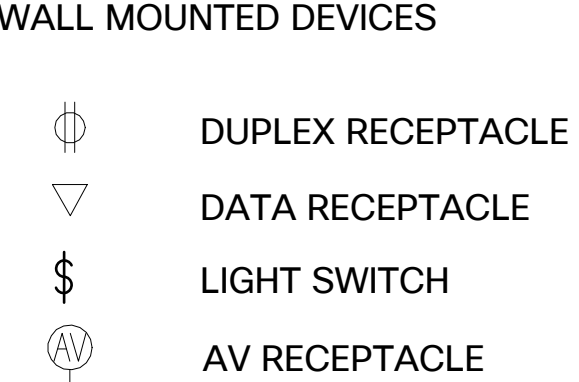


CISCO BOARD PRO 55"  
FIXED OR ADJUSTABLE MOUNT  
(DEPENDING ON TABLE HEIGHT)

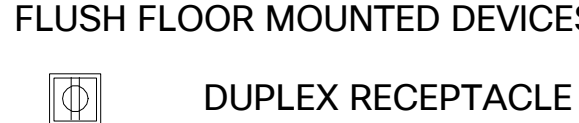
### Graphics Symbols



### POWER AND COMMUNICATION

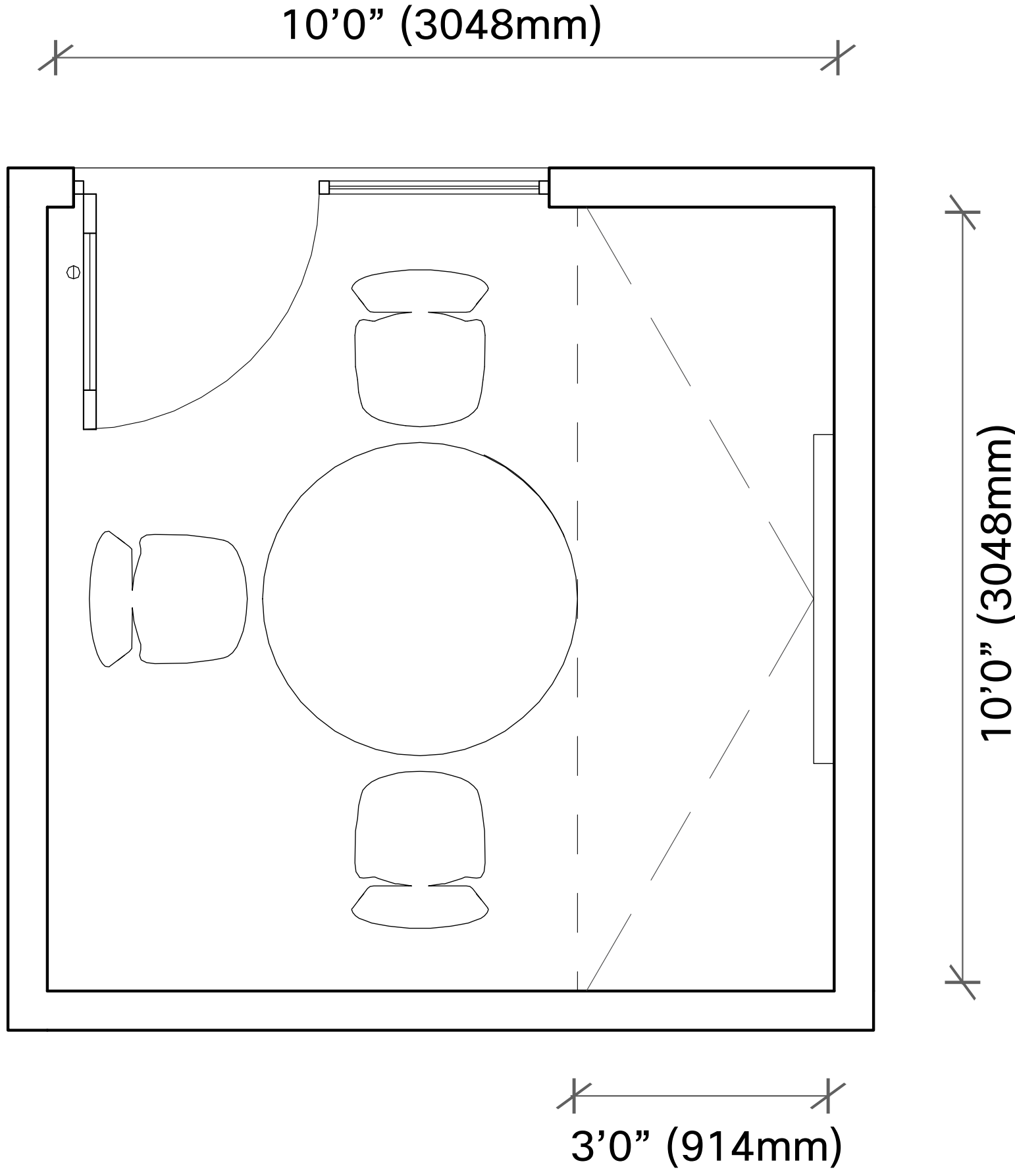


NOTE: PROVIDE SOLID BLOCKING IN WALLS FOR ALL WALL MOUNTED EQUIPMENT & DEVICES



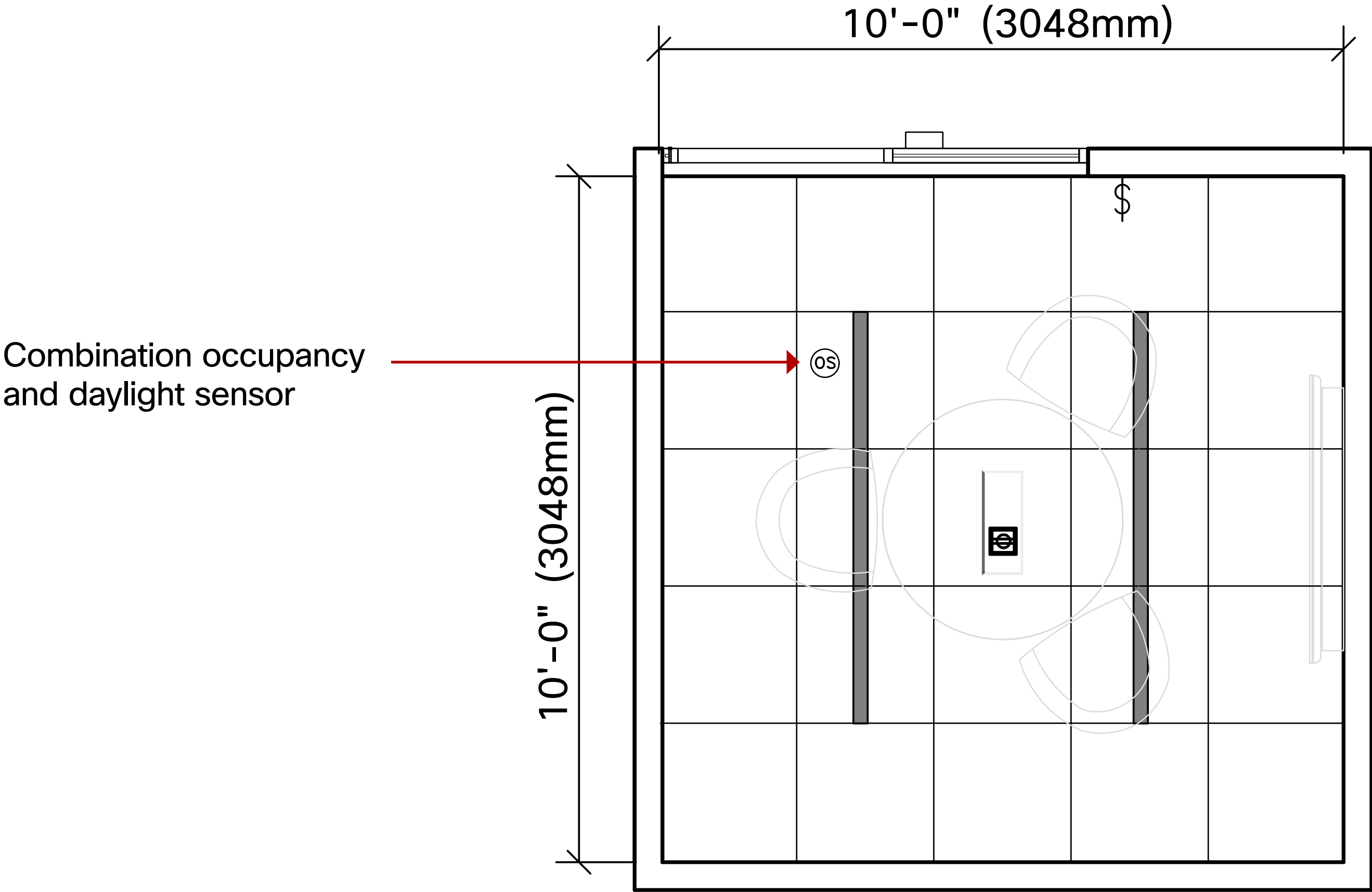
# Room Layout

## Brainstorming Huddle Room

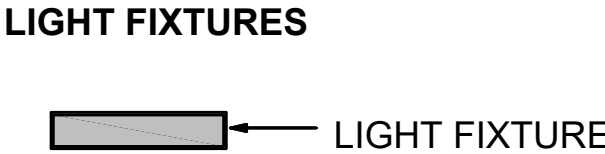
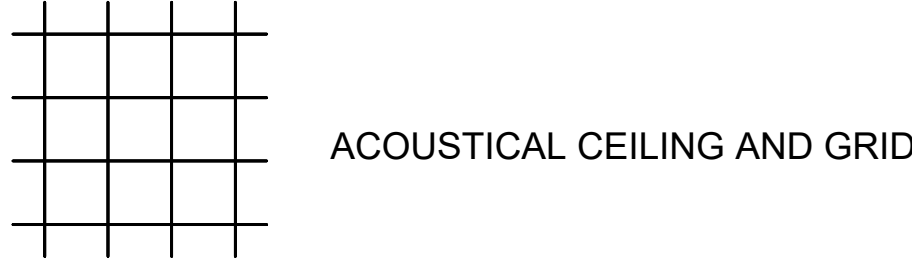


# Reflective Ceiling Plan

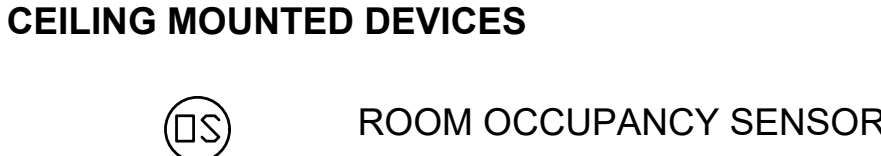
## Brainstorming Huddle Room



### Graphics Symbols



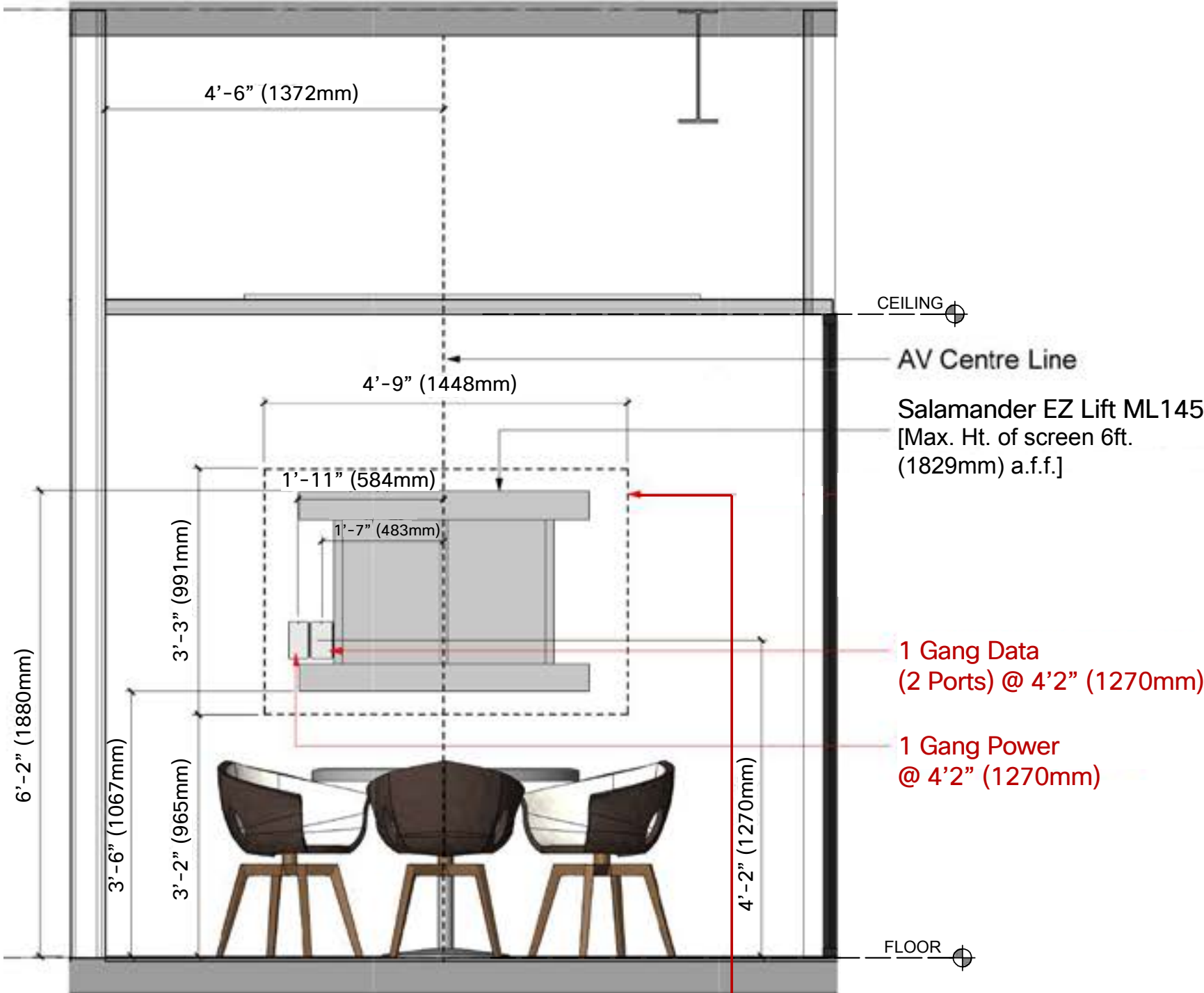
### POWER AND COMMUNICATION



# Room Elevations

## Brainstorming Huddle Room (Standard Height Option)

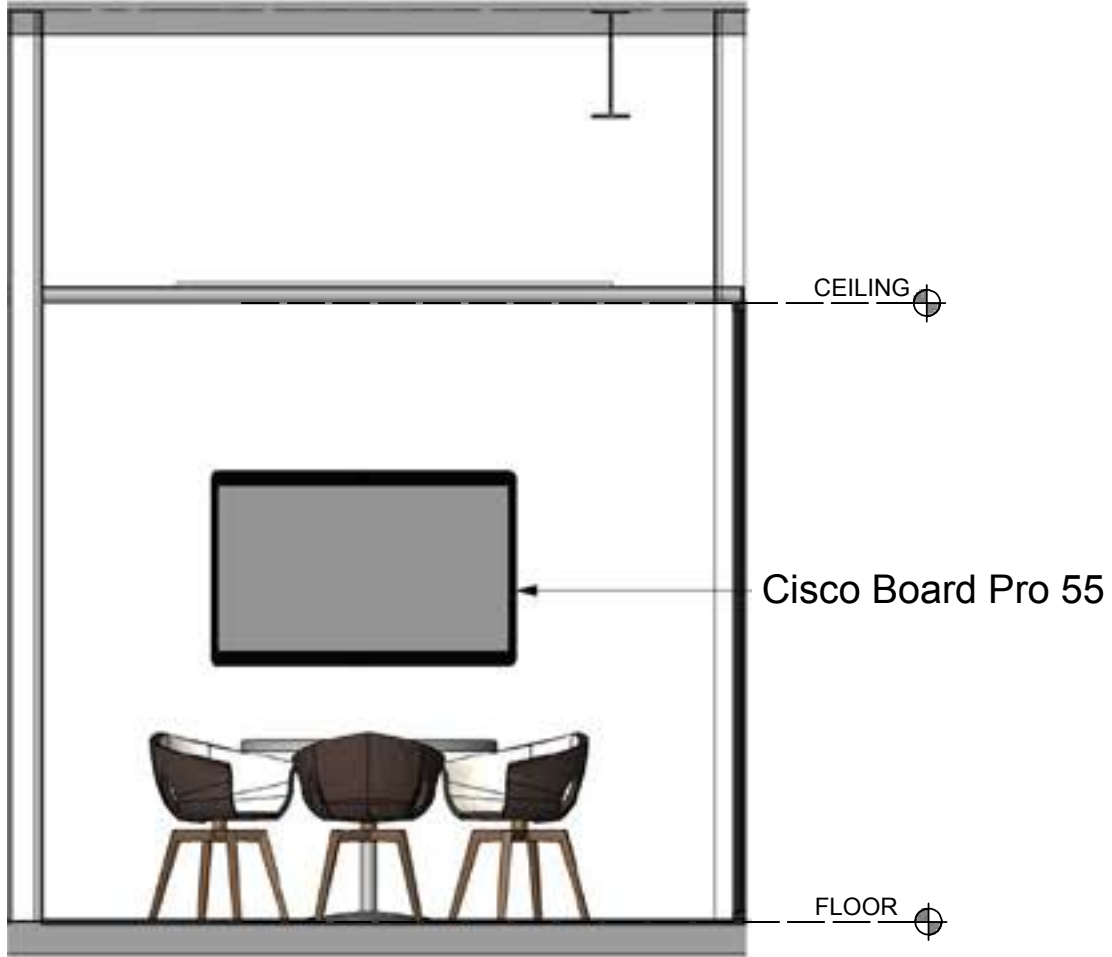
### Conduit Elevation



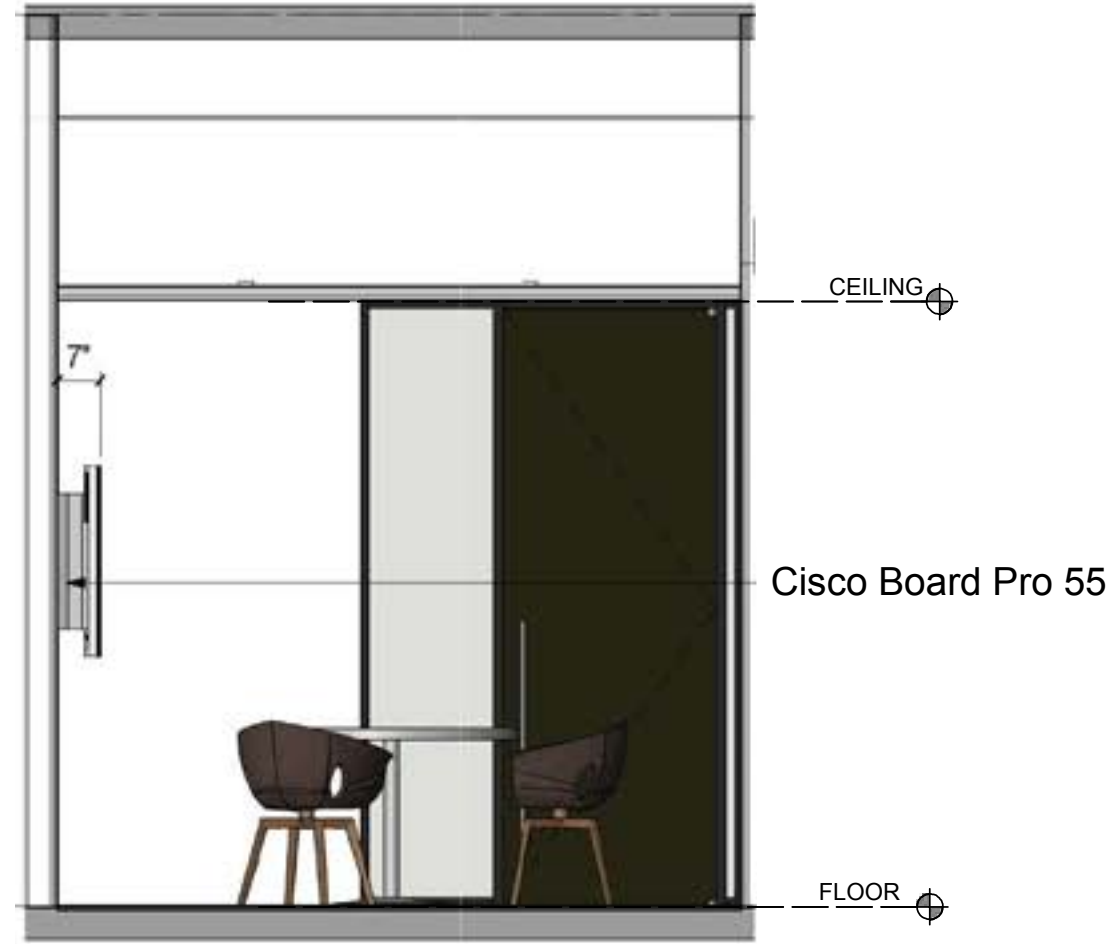
**Power & Data Notice:**  
Location to be placed 13"-23" (330mm - 584mm) off center, away from exposed entry, flush mounted.

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.

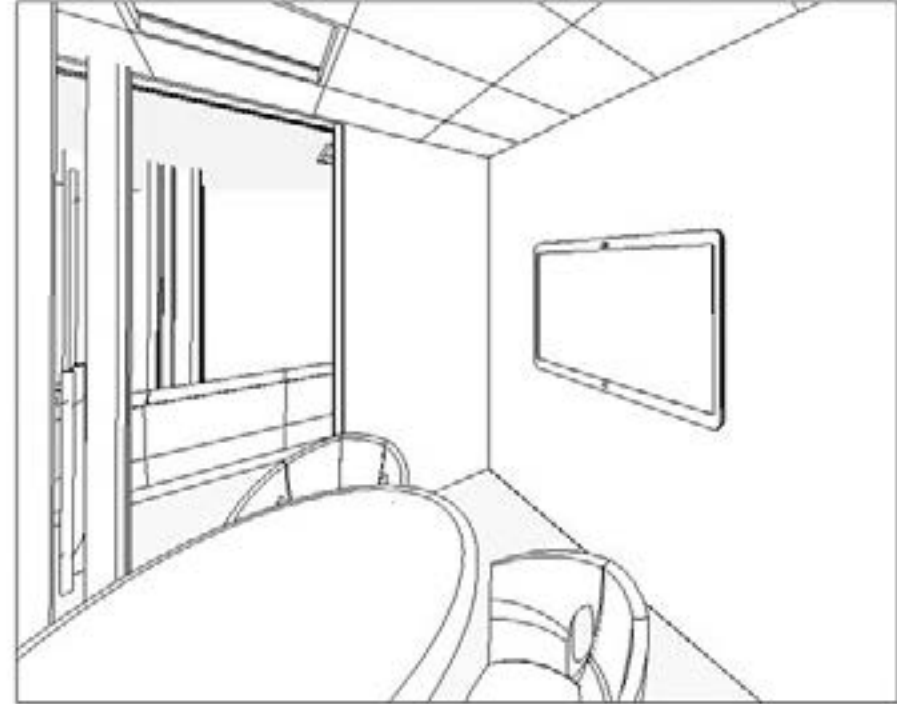
### Front Elevation



### Side Elevation



### Perspective View

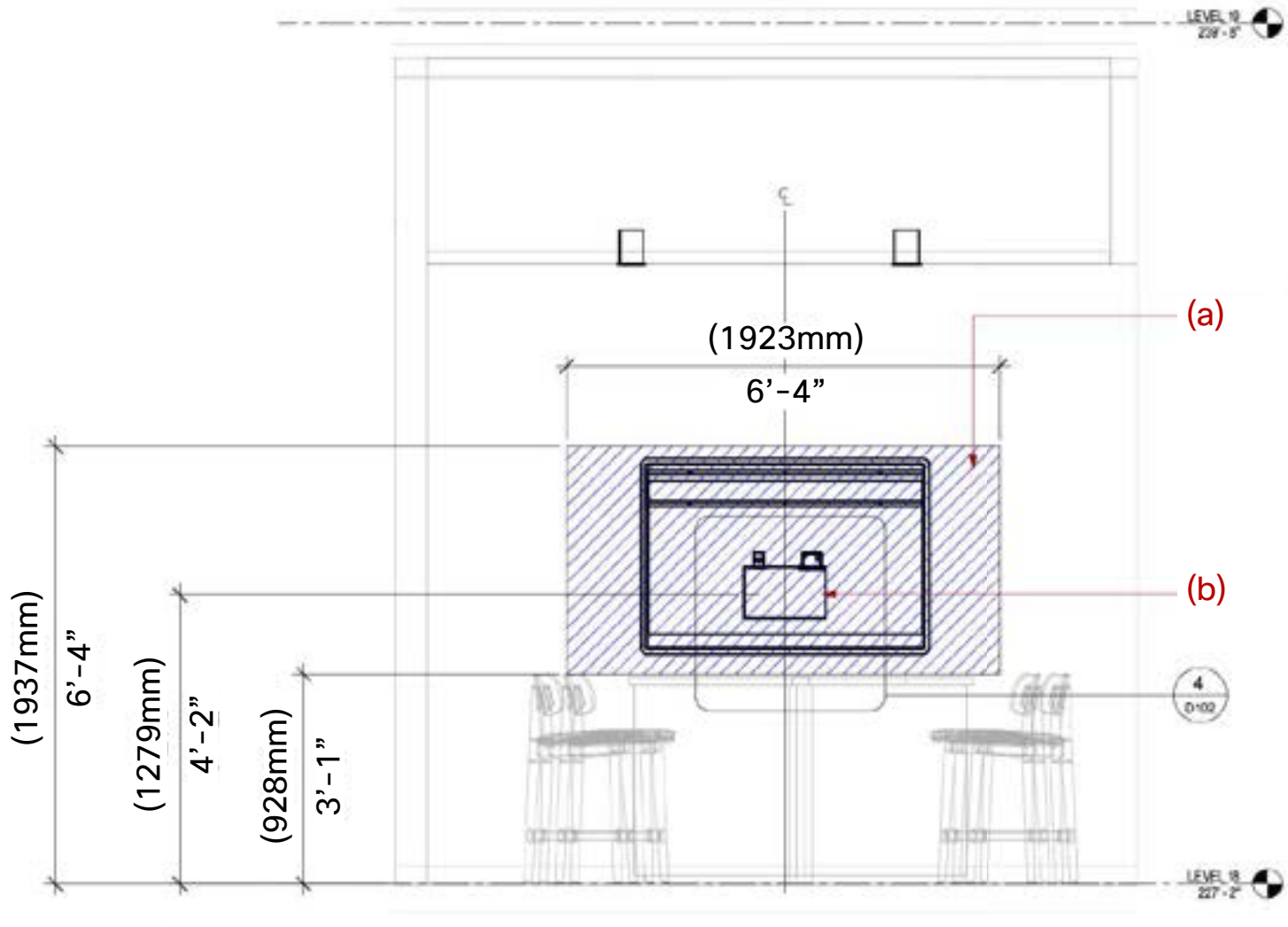




# Room Elevations

## Brainstorming Huddle Room (Bar Height Option)

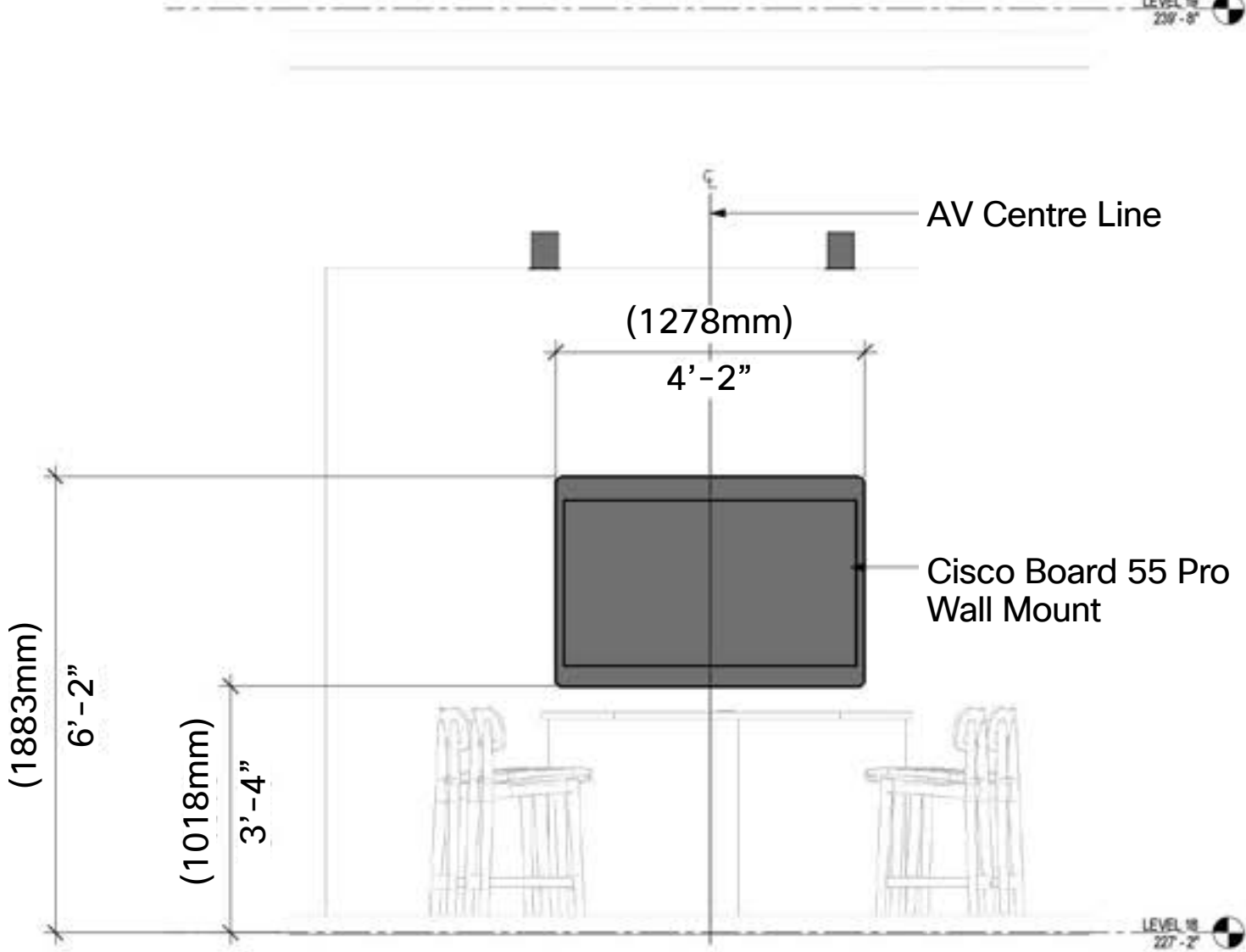
### Conduit Elevation



(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.

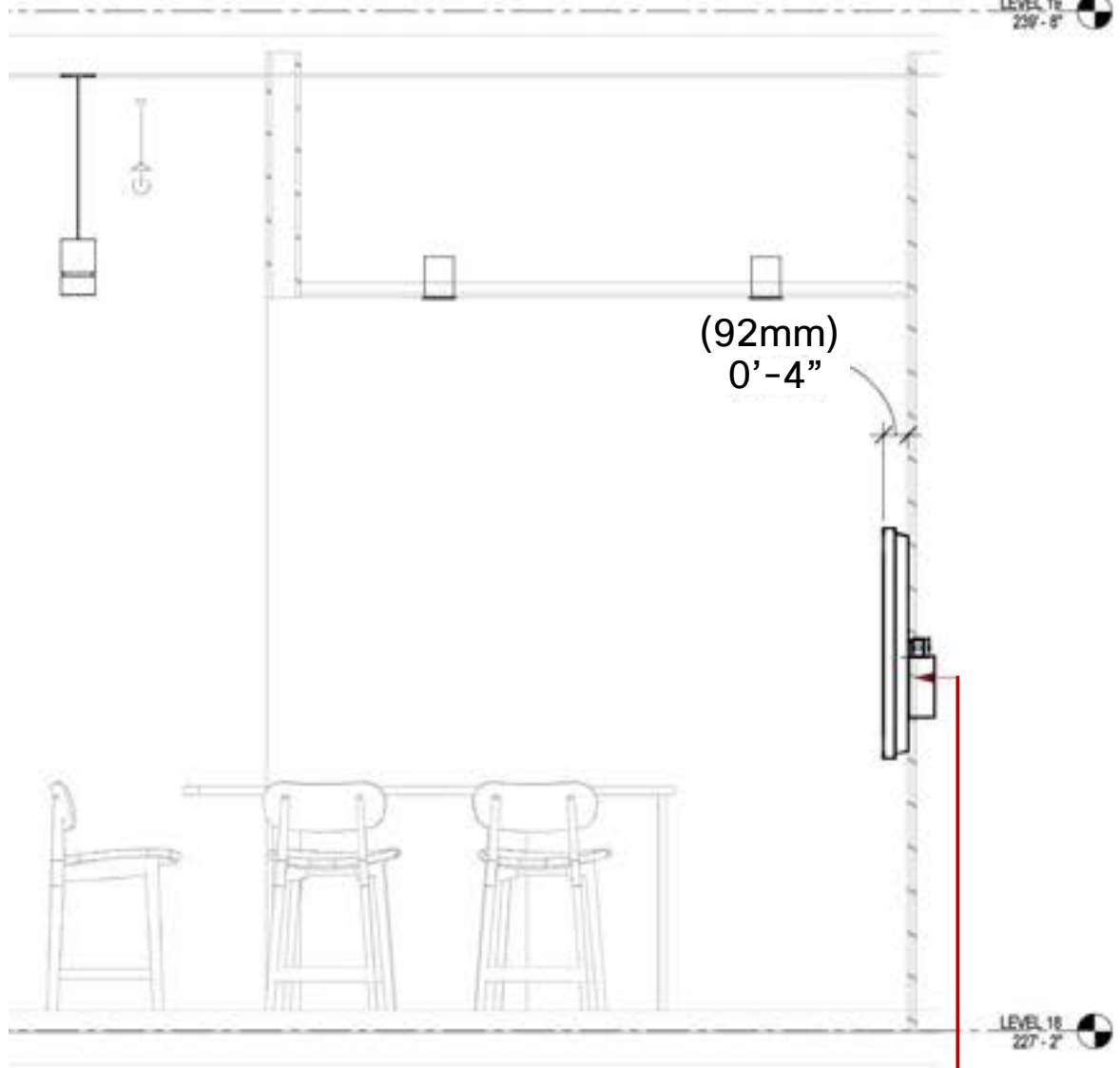
(b) Chief PAC525 installed by others

### Front Elevation



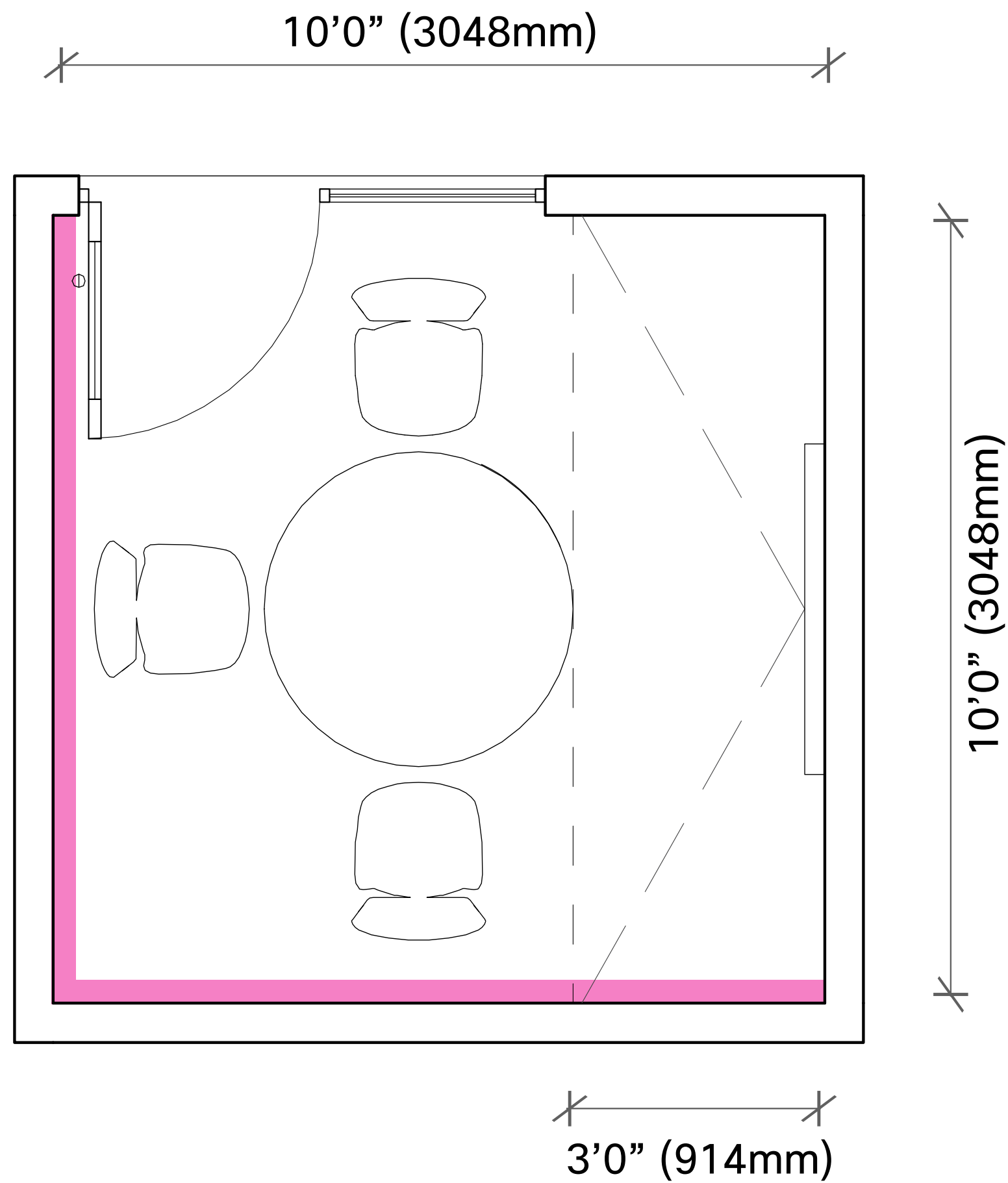
Note: AV Centre Line will be determined by Dimensions on Room Specific Floor Plans

### Side Elevation



# Acoustical Treatment

## Brainstorming Huddle Room



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

# Power & Data

## Brainstorming Huddle Room

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### 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 two (2) data jacks and dual plugs 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, then power and data will be flush mounted and off-center (away from any doors or sidelights so it is not visible), per the requirements of the manufacturer. With the wall stand, or credenza option, power and data can be standard height, per local code. The specific location should be confirmed with the manufacturer.

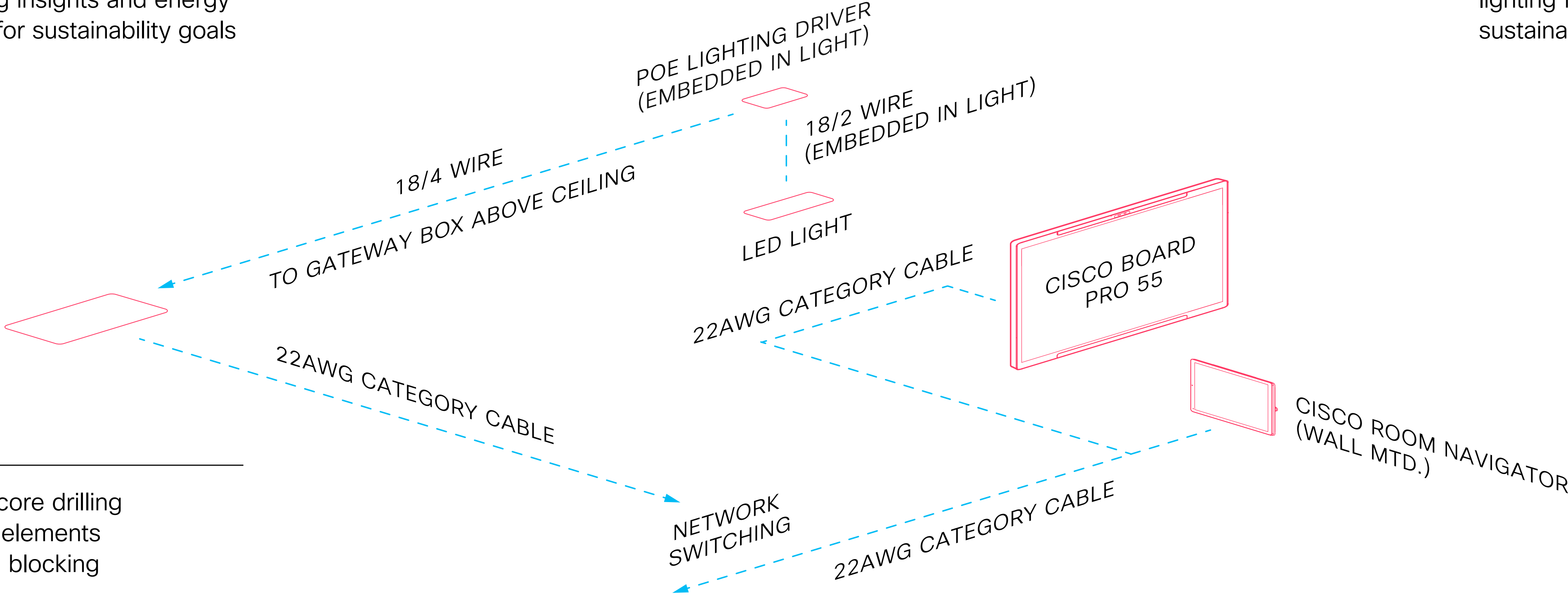


# Exploded IT Diagram

## Brainstorming Huddle Room

Occupancy sensing for space / room booking insights and energy optimization for sustainability goals

Automated POE lighting for LEED & sustainability goals



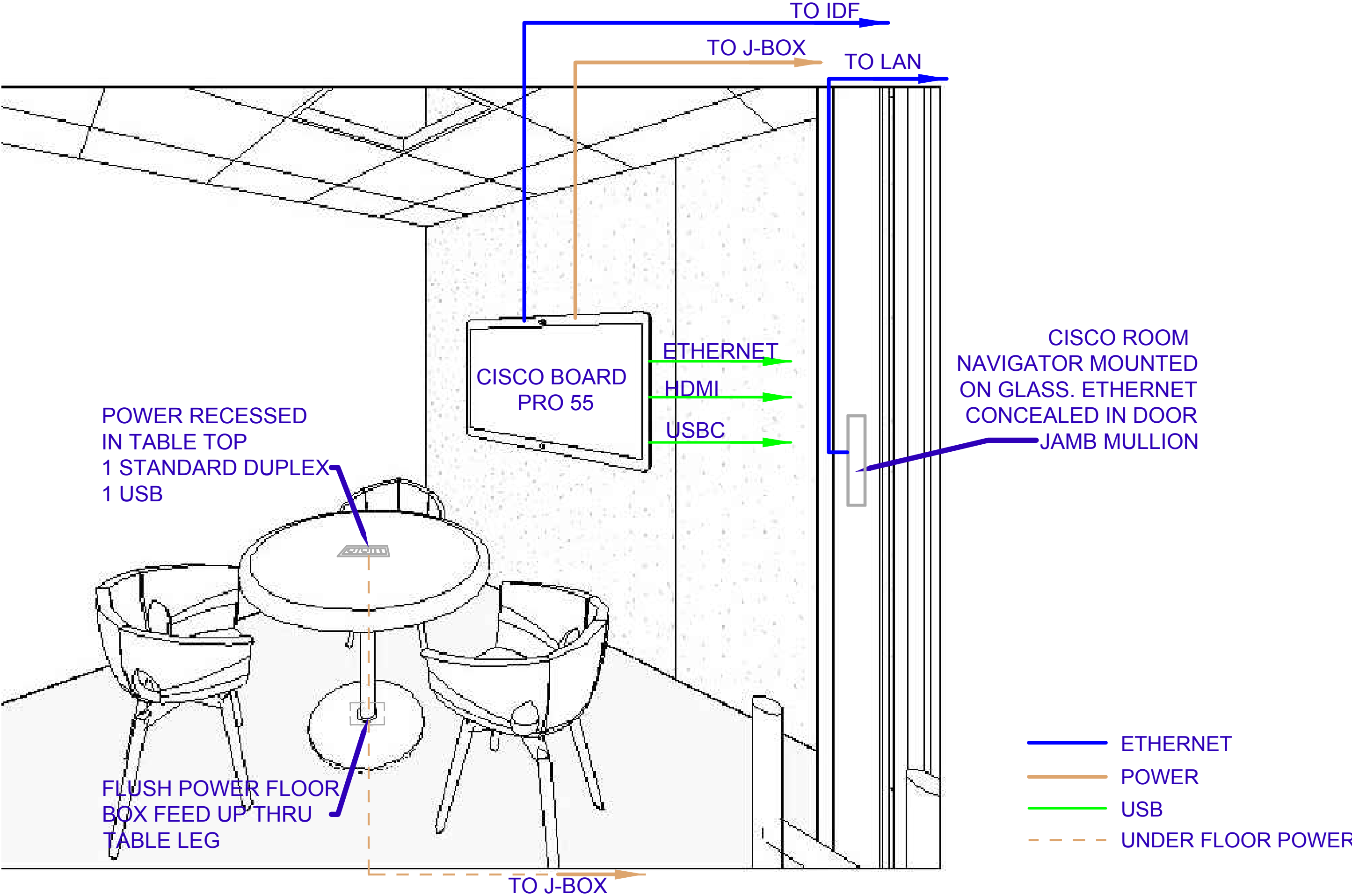
No need for core drilling  
Need ceiling elements  
No need wall blocking

Consideration: USBC charging & convince outlets on the tabletop for occupant convenience

Wireless sharing for ease of collaboration

# Connectivity View

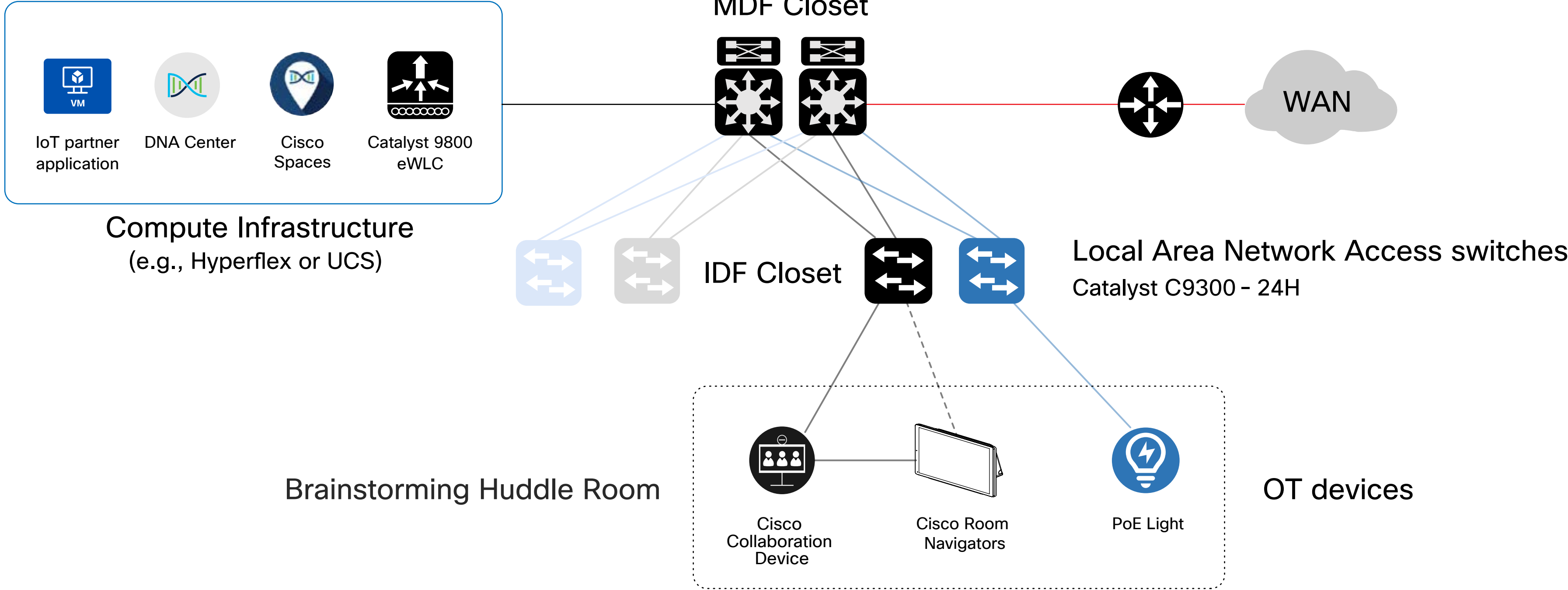
## Brainstorming Huddle Room



# IT/OT Reference Architectures

## Brainstorming Huddle Room

- Separate IT and OT network layout
- Port based DHCP allocation
- 90W UPoE+



- OT Network & devices
- IT Network & devices
- Alternate connectivity option

# IT/OT Bill of Material

## Brainstorming Huddle Room

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### Cisco Products - Video Endpoint in Brainstorming Huddle Room

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

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### 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)

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### External microphones and speakers

- Mic and speakers are embedded in the Cisco Endpoints, no additional mic or speakers required
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# Commissioning-User Acceptance Testing (UAT) Criteria (Sample)

## Brainstorming Huddle Room

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### 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

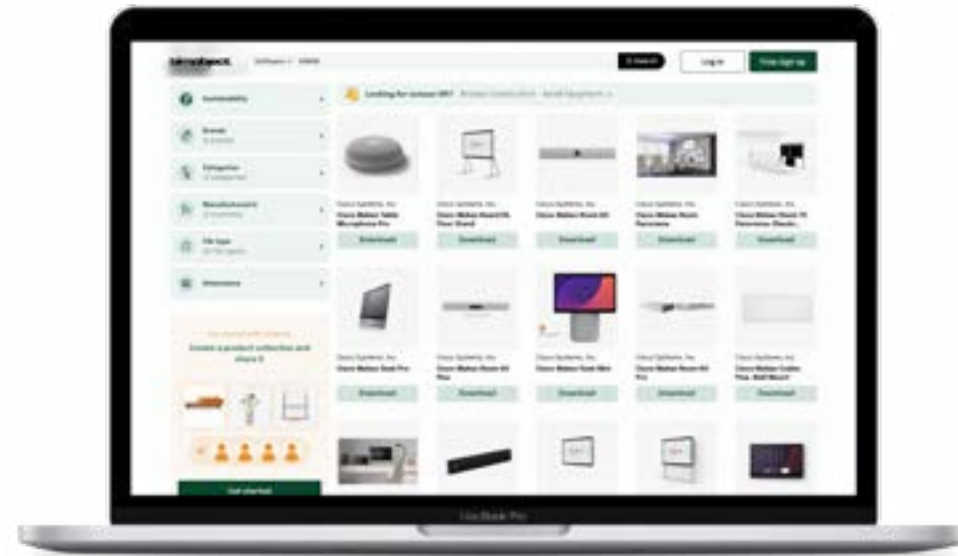
- Internet connectivity of Cisco Collaboration device
- Initiate test calls on video endpoint (via Board Pro, Webex app and voice controls)
- Validate environmental metrics are being displayed on Cisco Board Pro 55
- Confirm help videos are loaded
- Confirm occupancy beacon function is correctly working 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](http://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 Brainstorming Huddle Room. Any reference herein to any specific commercial products or service does not necessarily constitute or imply its endorsement or recommendation.

