



Smart Building Technology  
and Hybrid Work Solutions

# Cisco Talent and Collaboration Centers

## Casual Huddle Room Design Guide



## Overview and Intent

This document provides guidance on how to effectively design the Casual 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

With a capacity of 3-4 individuals, the Casual Huddle Room is specifically designed for informal meetings with colleagues, even when some are remote.

This space has two technology options, a Cisco Board Pro 55 or the Cisco Room Bar with a single 55” display. The option selected should be based on how the space is intended to be used. If whiteboarding or annotation of displayed content is required, the Board 55 Pro option is preferred.

### Supported Collaboration Activities

	Cisco Board Pro 55 Option	Cisco Room Bar Option
Information Sharing	✓	✓
Brainstorming	✓	
Team Building		
Decision Making	✓	✓

## Table of Contents

# Visualization of key Cisco elements

## Casual Huddle Room

### Option 1: Cisco Board Pro 55



Cisco Board Pro 55  
Adjustable mount recommended

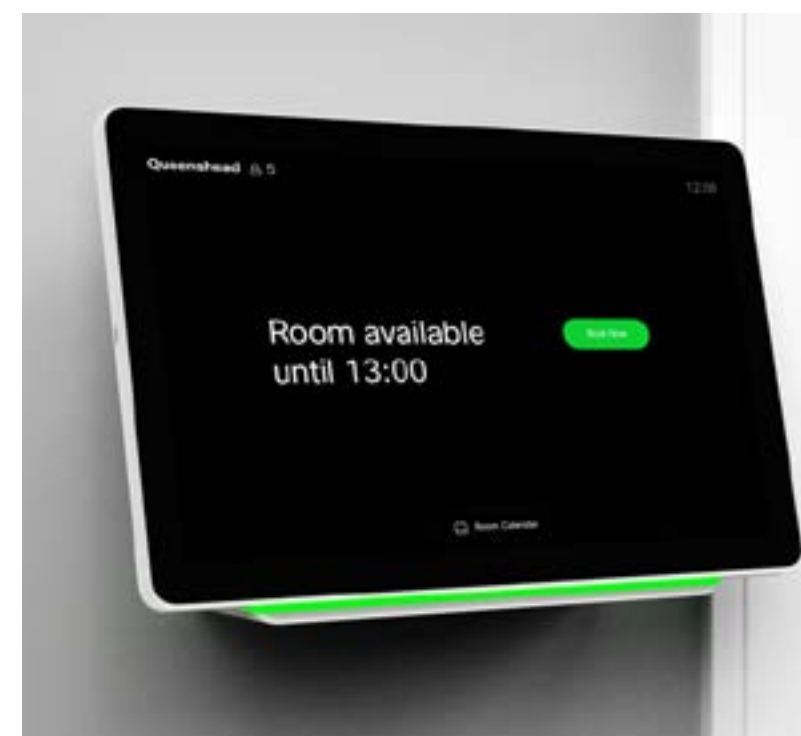
### Option 2: Cisco Room Bar



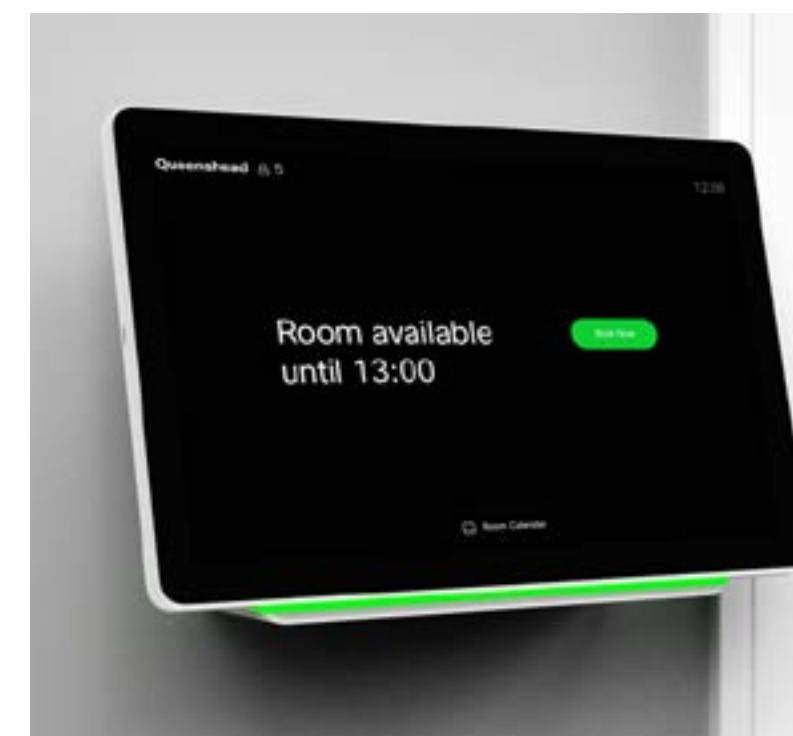
Single 55" Display and Display Mount  
LG / Panasonic / Samsung / Sony



Cisco Room Bar



Cisco Room Navigator for Wall



Cisco Room Navigator for Wall

Cisco Room Navigator for Table



# Certified Third Party Displays

## Casual Huddle Room



Cisco certified displays have been tested for compatibility and robustness of their video interfaces, optical characteristics, and basic security practices.

When connected to a Cisco collaboration device they will automatically reconfigure to the optimal configuration already tested and verified.

This list of verified devices was update on February 16, 2024. For up to date information on certified and compatible Cisco collaboration device partner offers, click on the link below.

Vendor	Product	Firmware version
Samsung	QPR-8K	1110.2
Samsung	QMR	2151.0
Samsung	QBR	2151.0
Samsung	QMB	1040.7
Samsung	QBB	1040.7
Panasonic	EQ1	1.50 Cu
Panasonic	EQ2	2.40
LG	UH5F-H	03.02.00
LG	UL3G	03.12.80
LG	UL3J	03.08.41
LG	UH5J	03.24.01
LG	UR640S	03.14.23
Sony	BZ30J, BU30J, BZ35J, BU35J, BZ40H, BU40H, BZ40J, BU40J	6.5929
Sharp/NEC	M751, M861, M981	1.200
Sharp/NEC	MA431, MA491, MA551, P435, P495, P555	3.203

# Video Device Mounting Options

## Casual Huddle Room

Mounting options vary based on technology selection.

### Cisco Board Pro 55

If the wall is blocked, the optimal solution is to use a manual or electric adjustable mount, allowing end users to use the device in both a standing and seated position. If the wall is not blocked, then there are floor stand units that only require tethering to the wall. If the device is only going to be used in a standing position, the wall mount kit from Cisco is the best solution.



### Cisco Room Bar

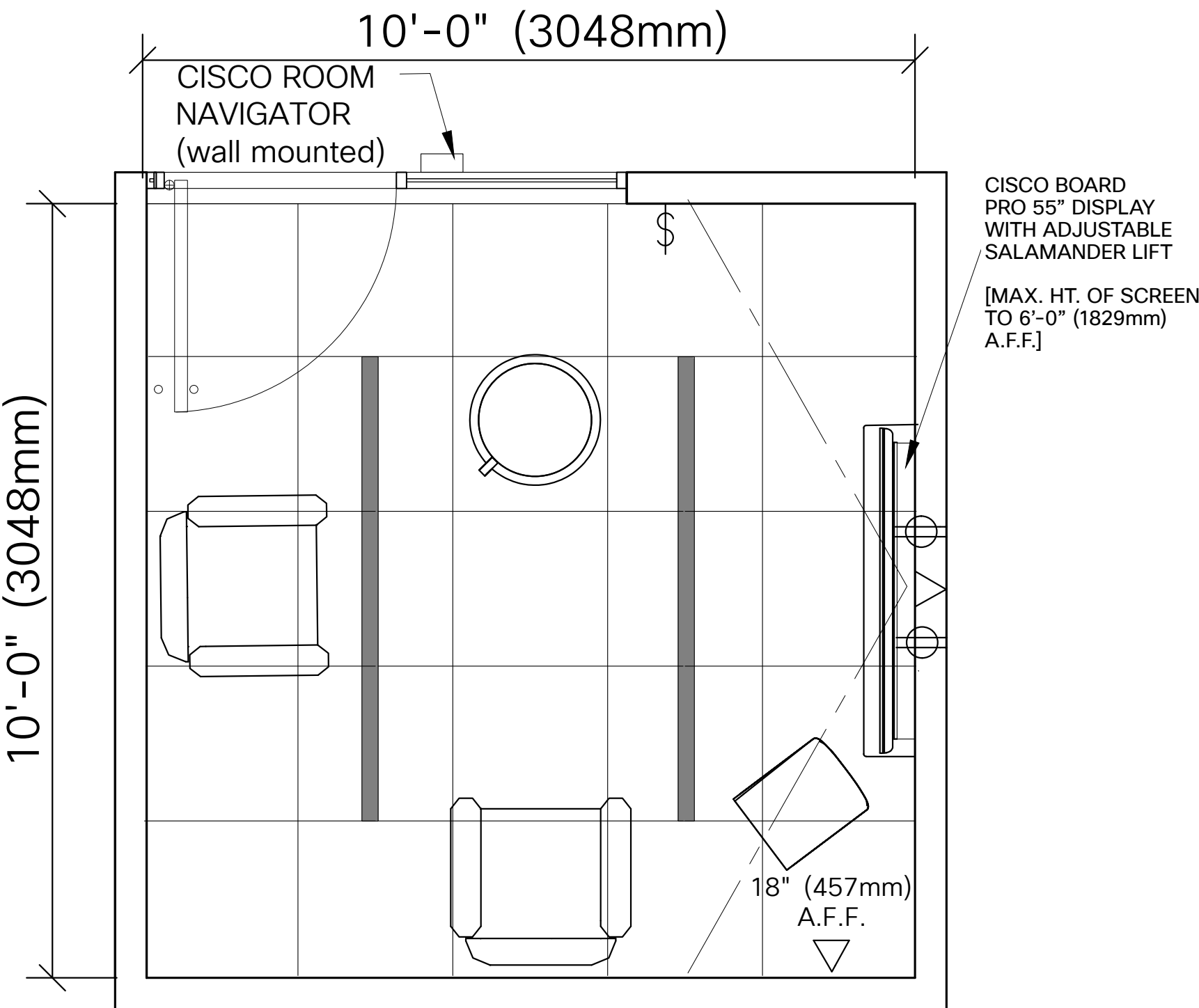
With the Cisco Room Bar option, the display is positioned at a fixed height. Thus it is optimal that a standard display mount is used. This will, however, require that the wall be blocked, and electrical/data elevated to a height that will conceal it behind the mounted display. If there isn't an option to block and/or move electrical/data, some specialty A/V manufacturers offer low-profile credenzas that can be used to eliminate the need to mount the display directly to the wall.



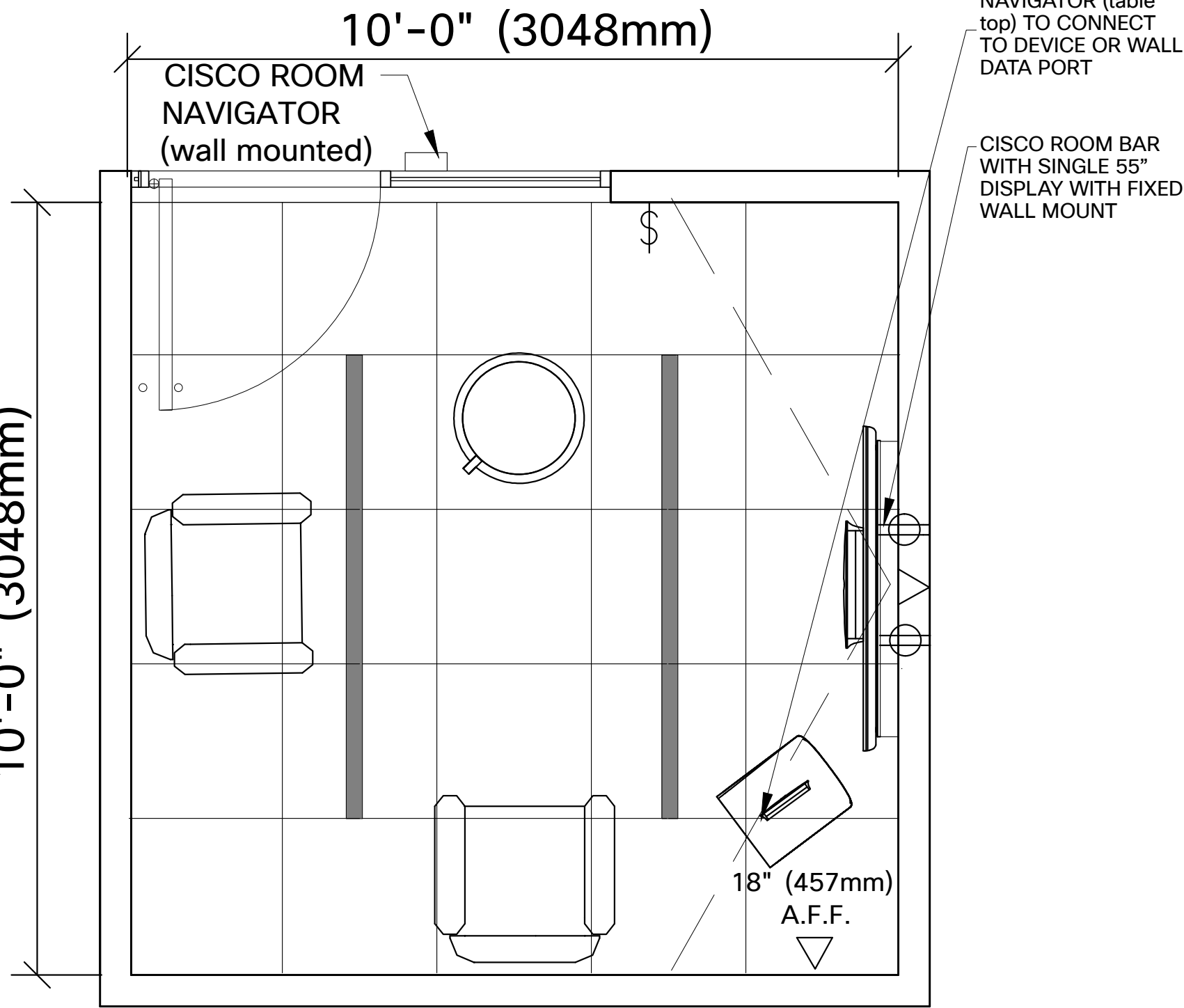
# Composite Plans

## Casual Huddle Room

### Option 1: Cisco Board Pro 55



### Option 2: Cisco Room Bar



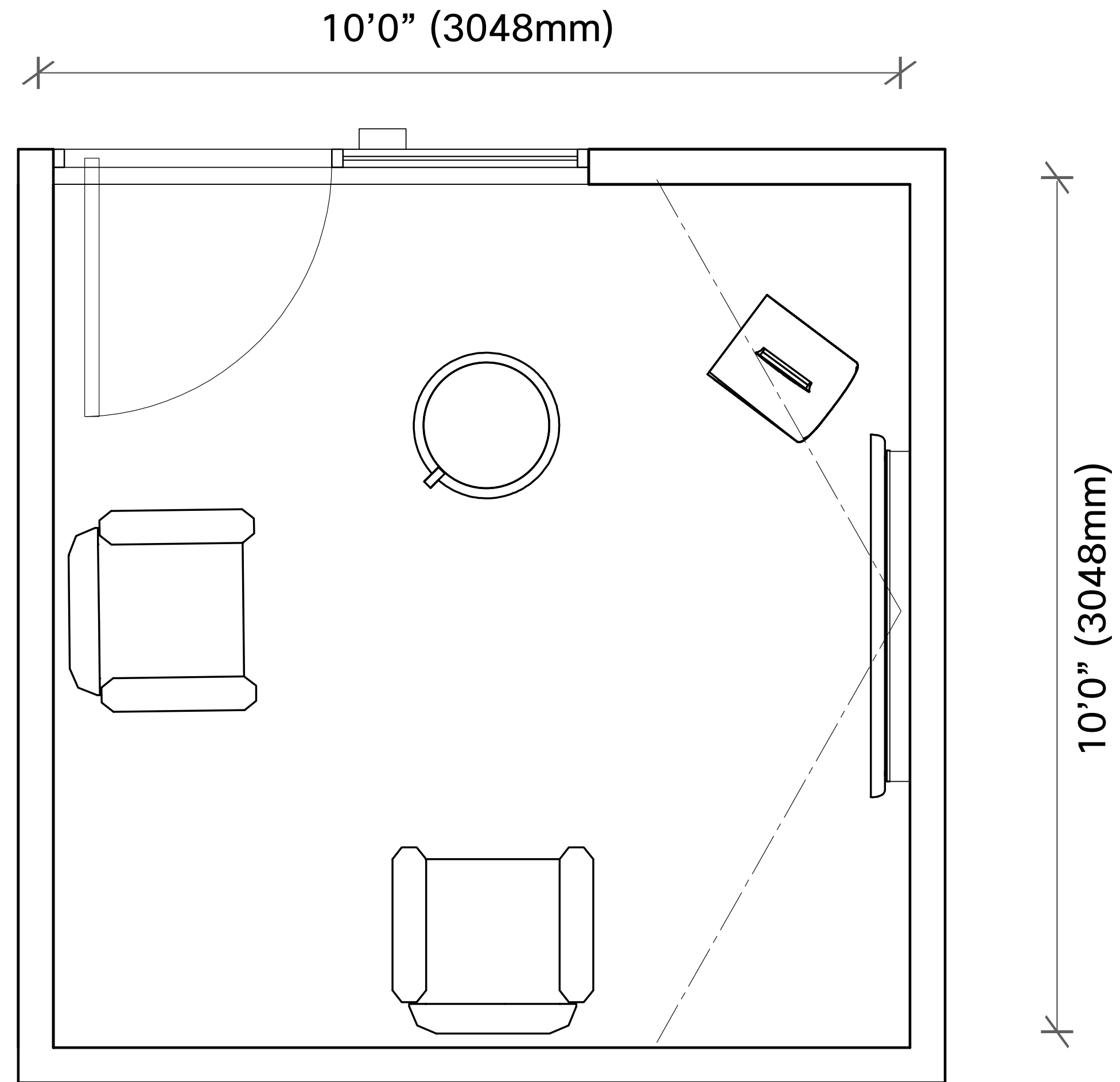
### Graphics Symbols

- 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

# Room Layout

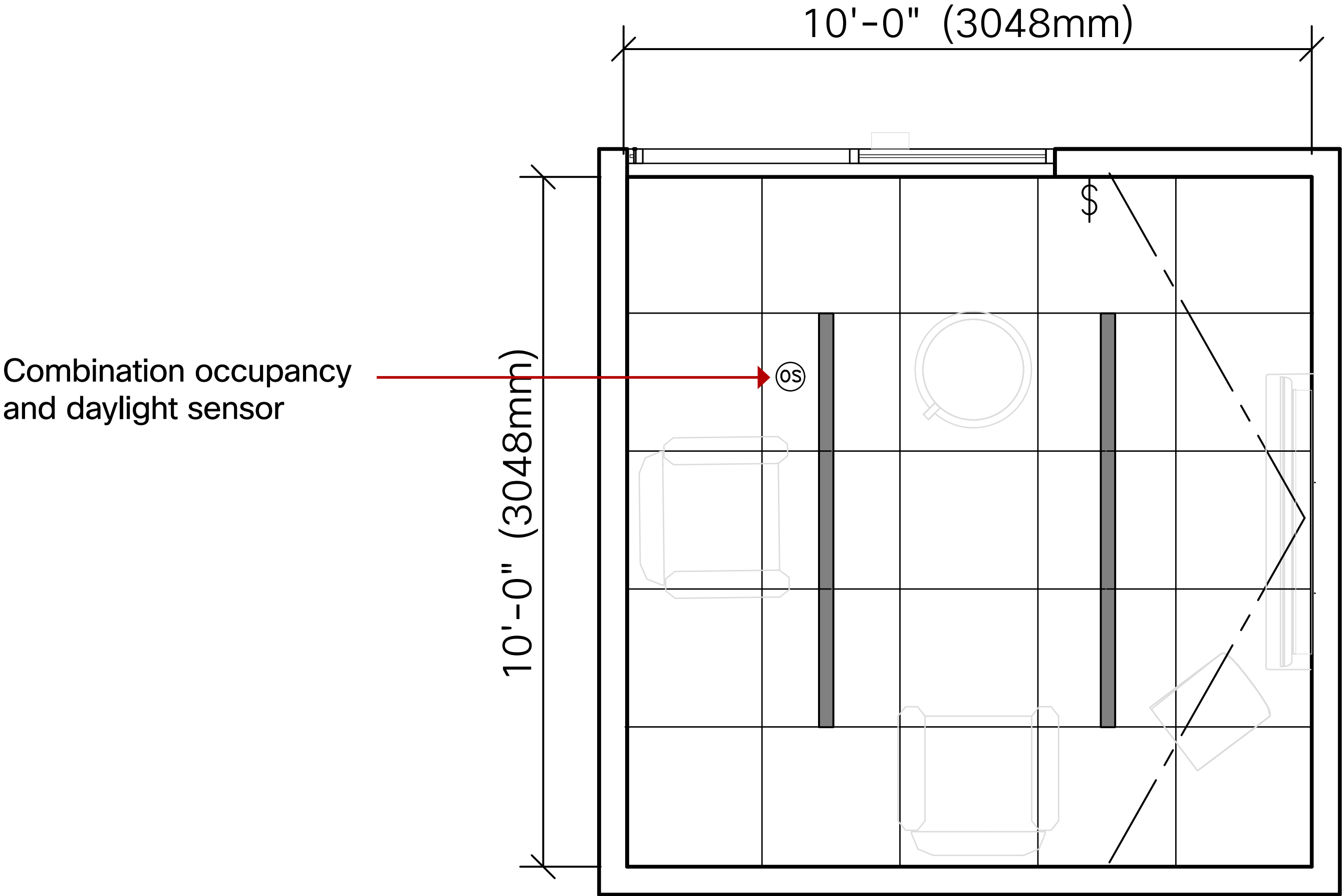
## Casual Huddle Room

The furniture shown in this design is there to indicate the scale of the space. The selection of specific furniture elements should be based on local preference and how the room is planned to be used.

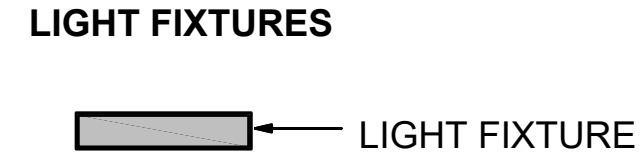


# Reflective Ceiling Plan

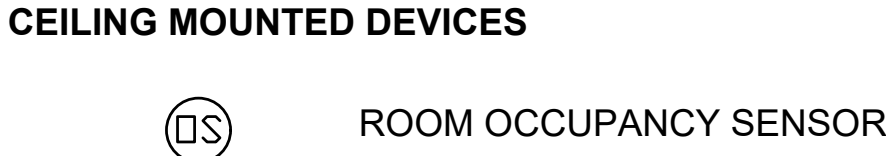
## Casual Huddle Room



### Graphics Symbols



### POWER AND COMMUNICATION

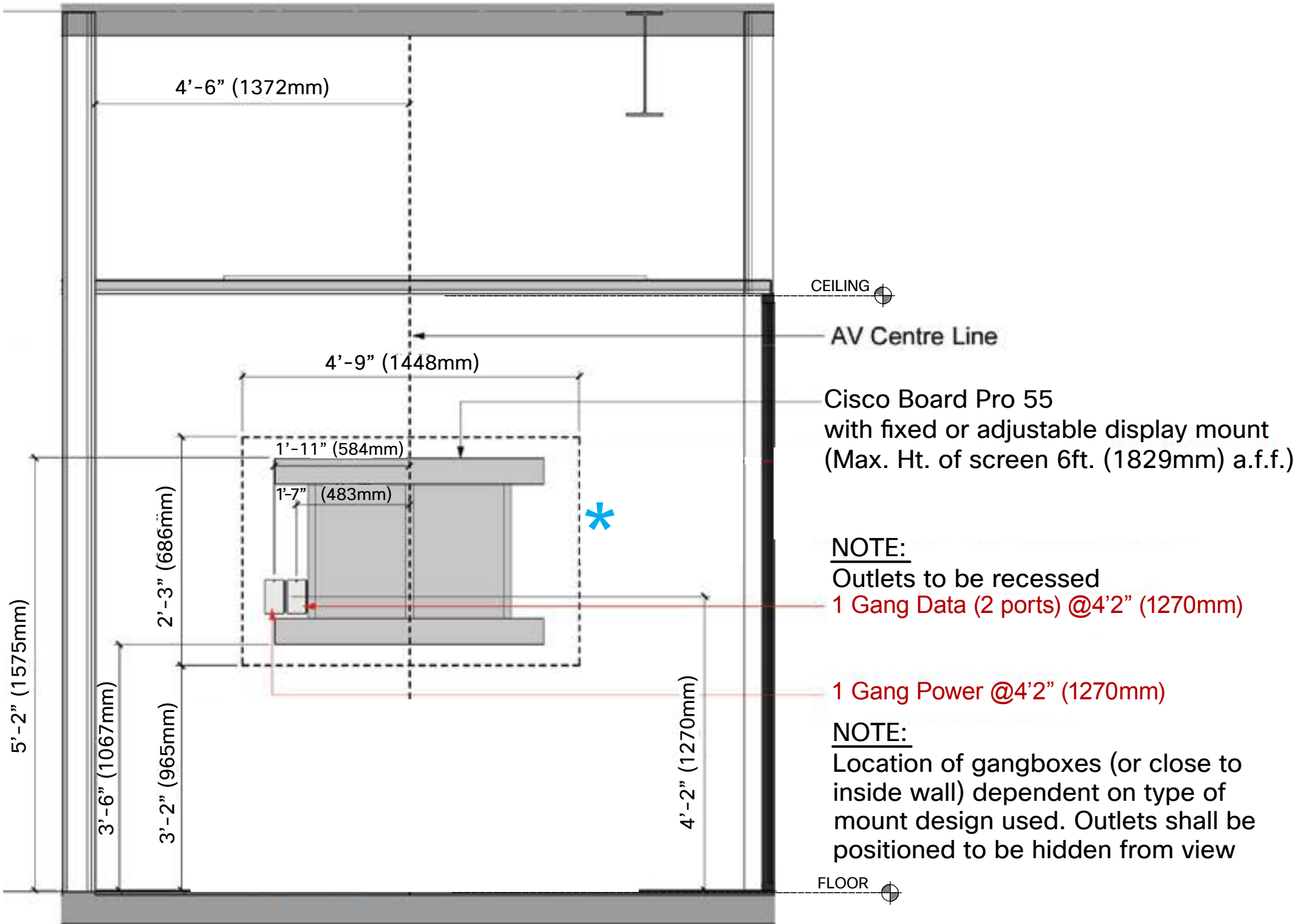




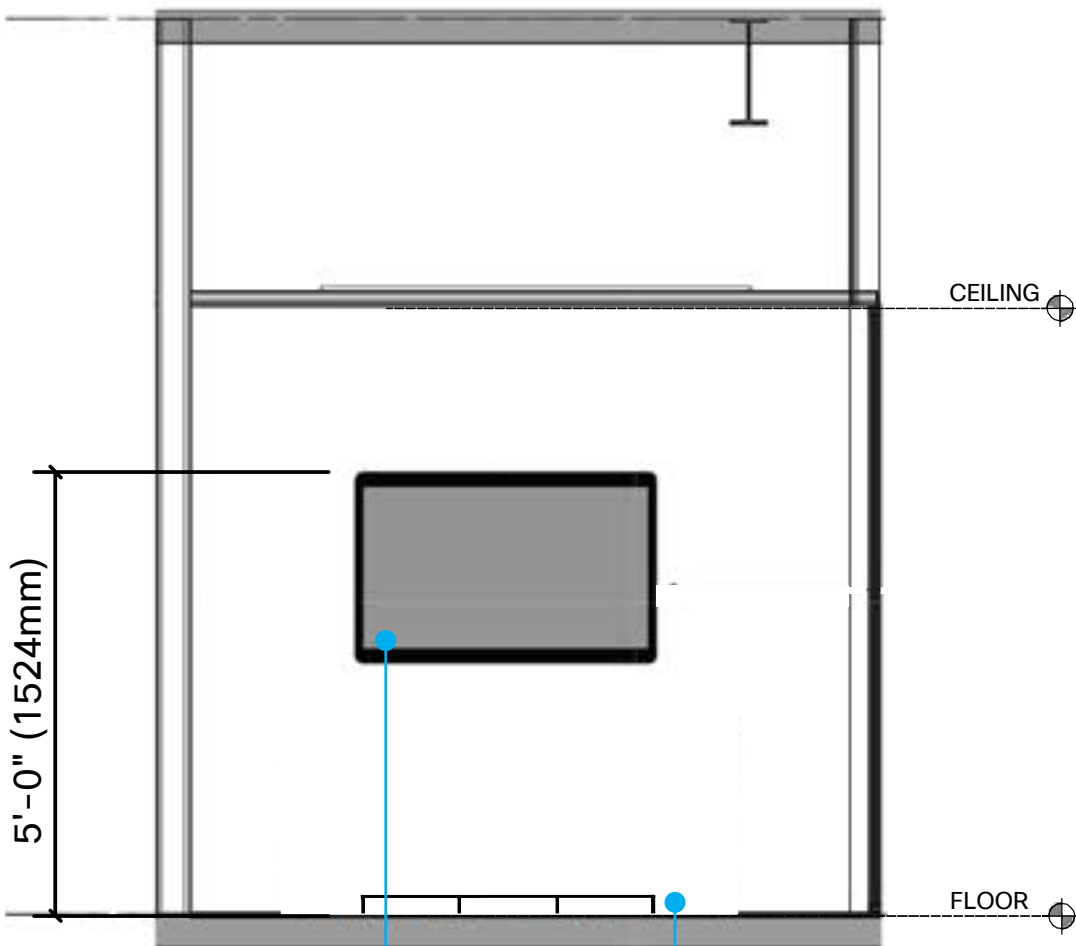
# Room Elevations

## Casual Huddle Room (Cisco Board 55 Option)

### Conduit Elevation



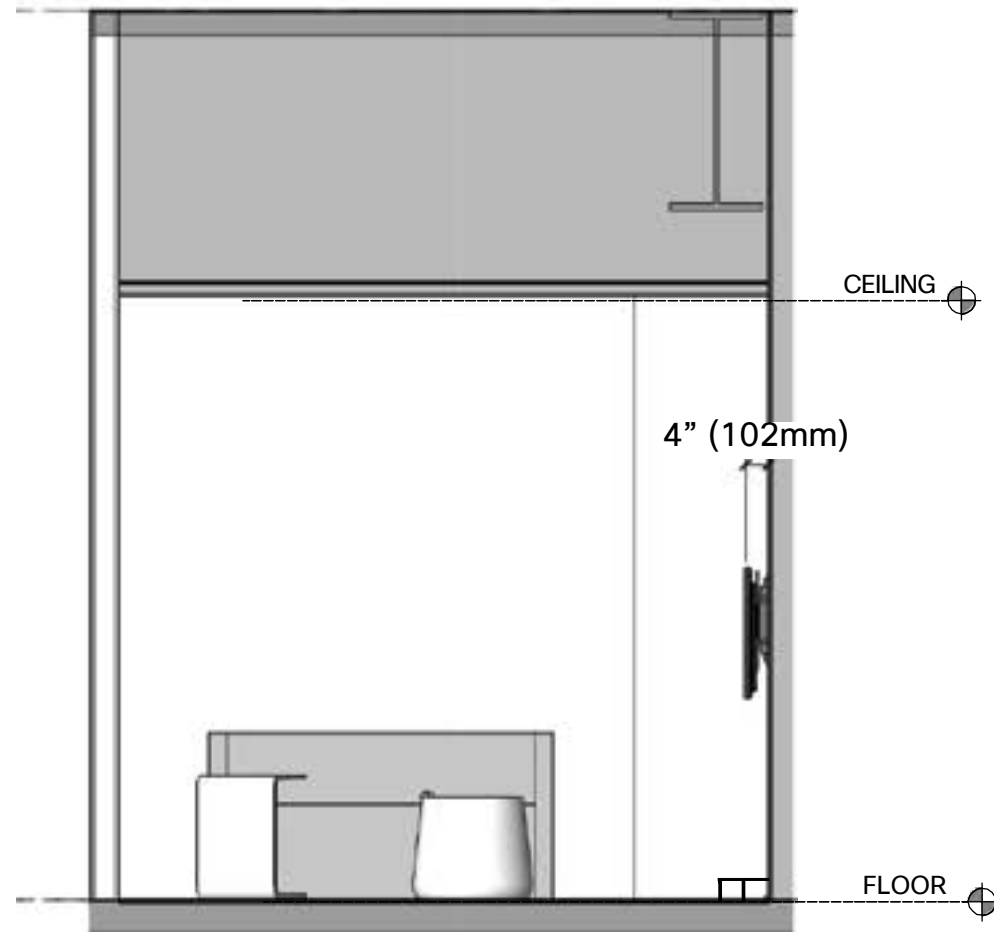
### Front Elevation



Cisco Board Pro 55 with fixed or adjustable display mount

Depending on the wall mount used, some building codes may require the addition of a cane rail below the device.

### Side Elevation

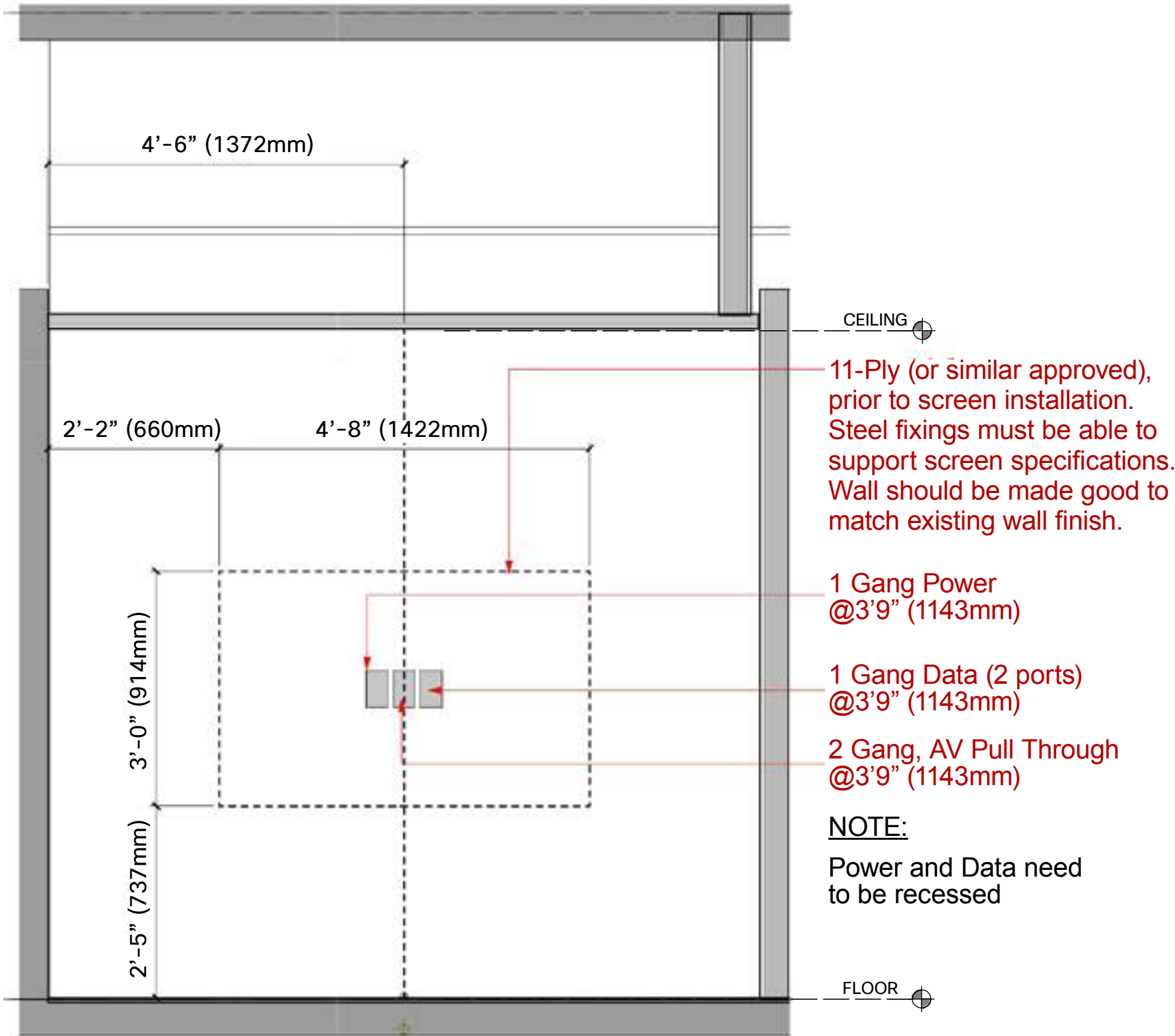


\* 11-Ply (or similar approved), prior to screen installation. Steel fixings must be able to support screen specifications. Wall should be made good to match existing wall finish.

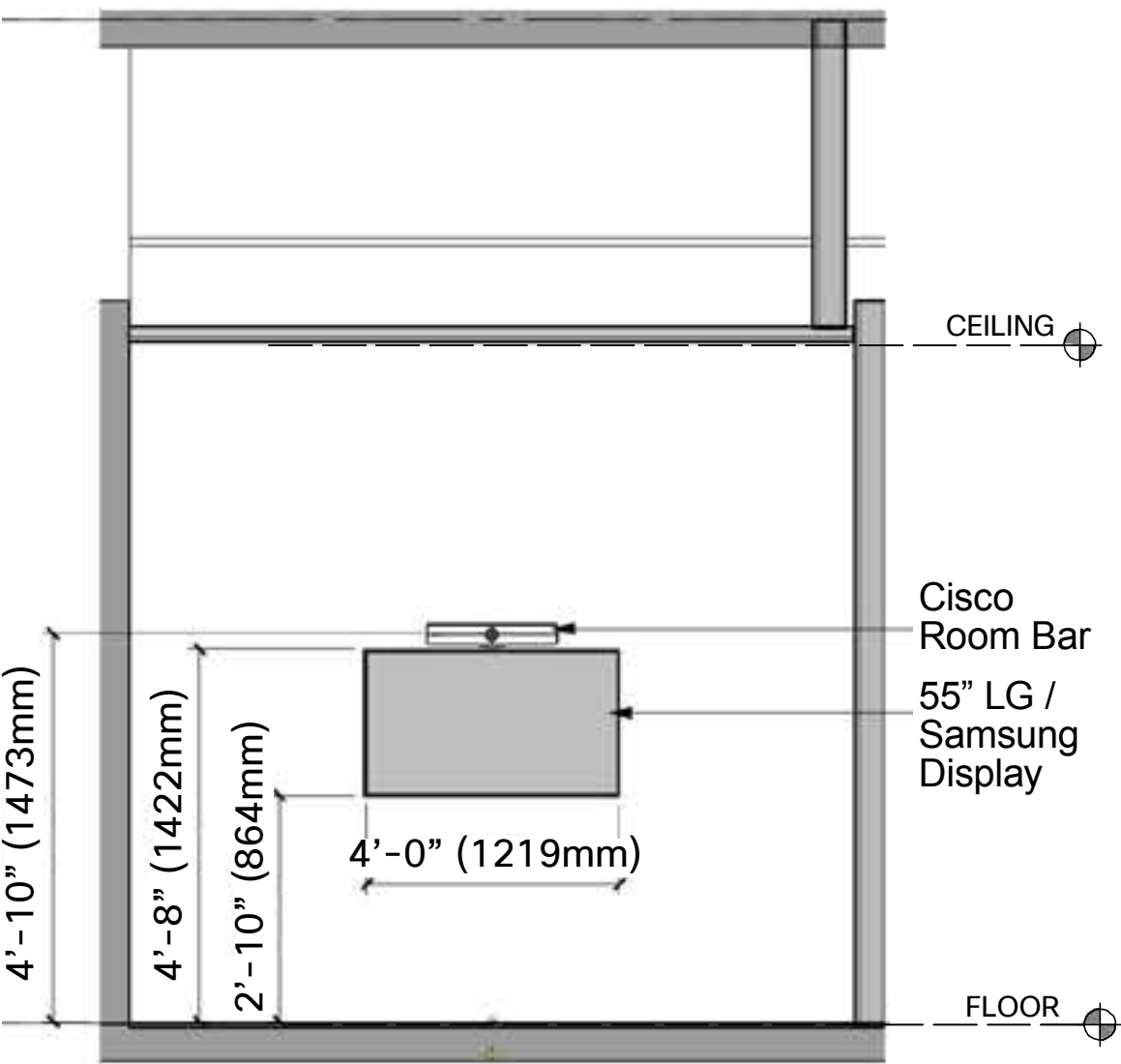
# Room Elevations

## Casual Huddle Room (Cisco Room Bar Option)

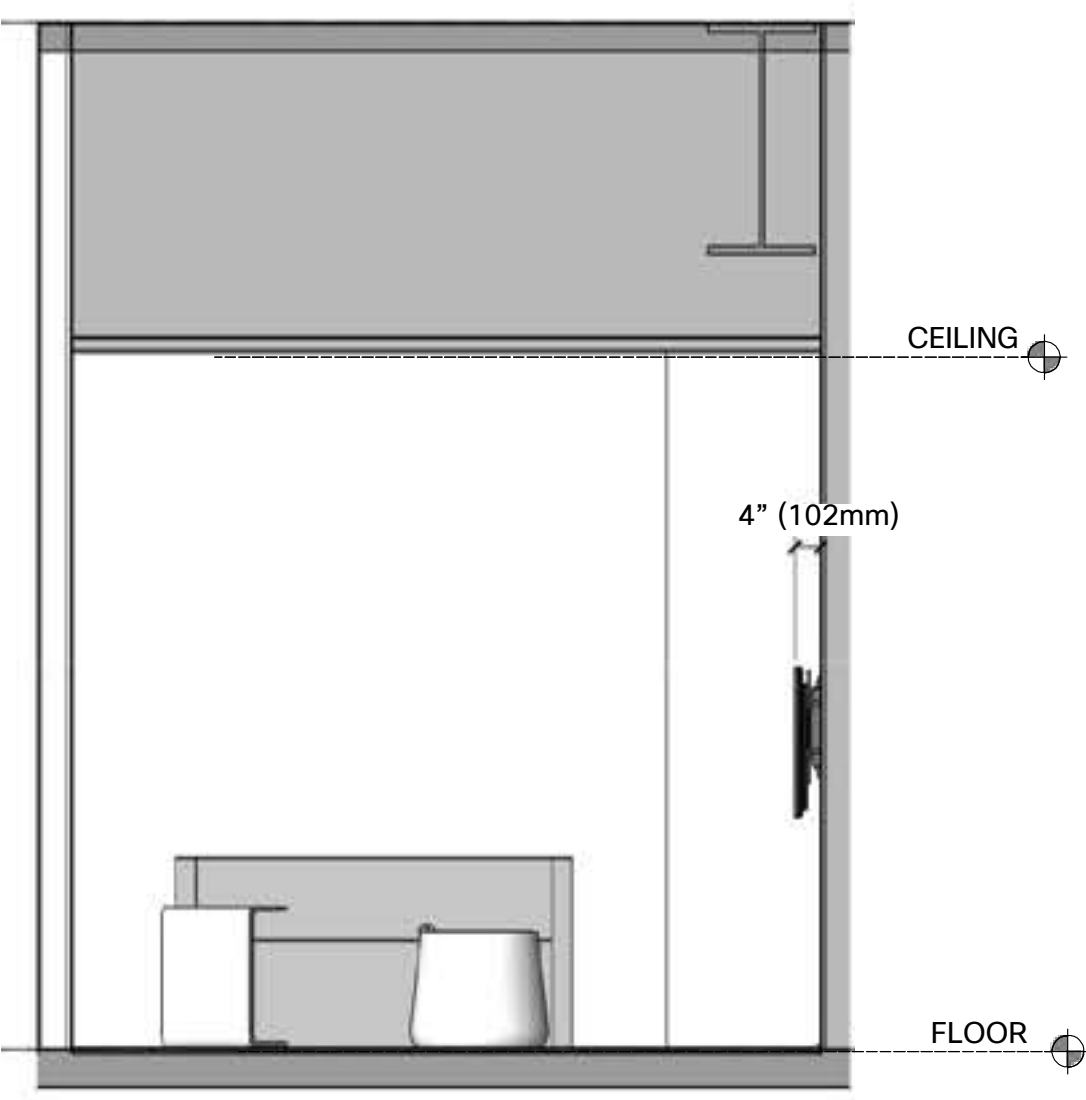
Conduit Elevation



Front Elevation

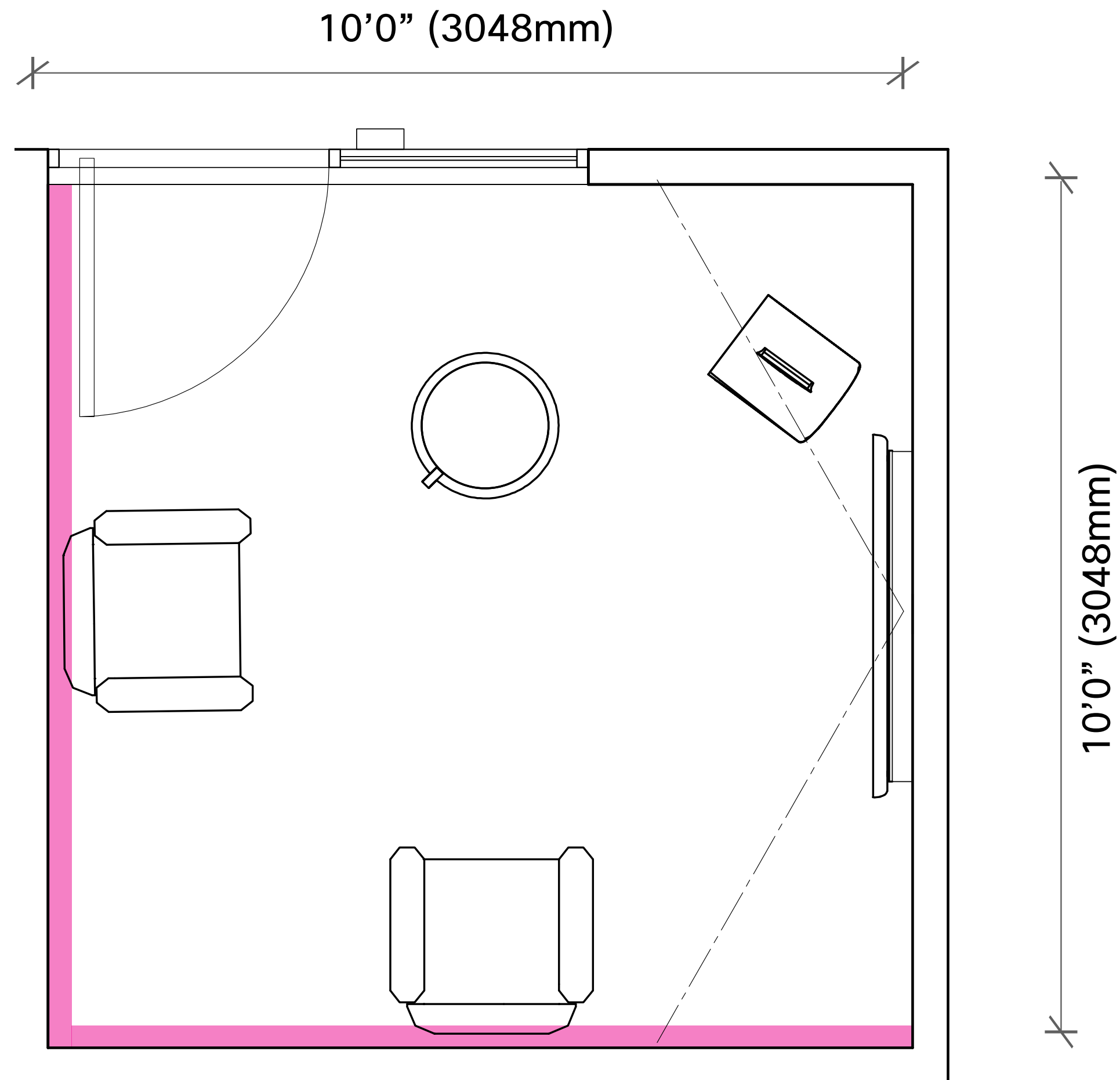


Side Elevation



# Acoustical Treatment

## Casual 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

## Casual 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. Refer to the elevations page for details. The specific location should be confirmed with the mount manufacturer.

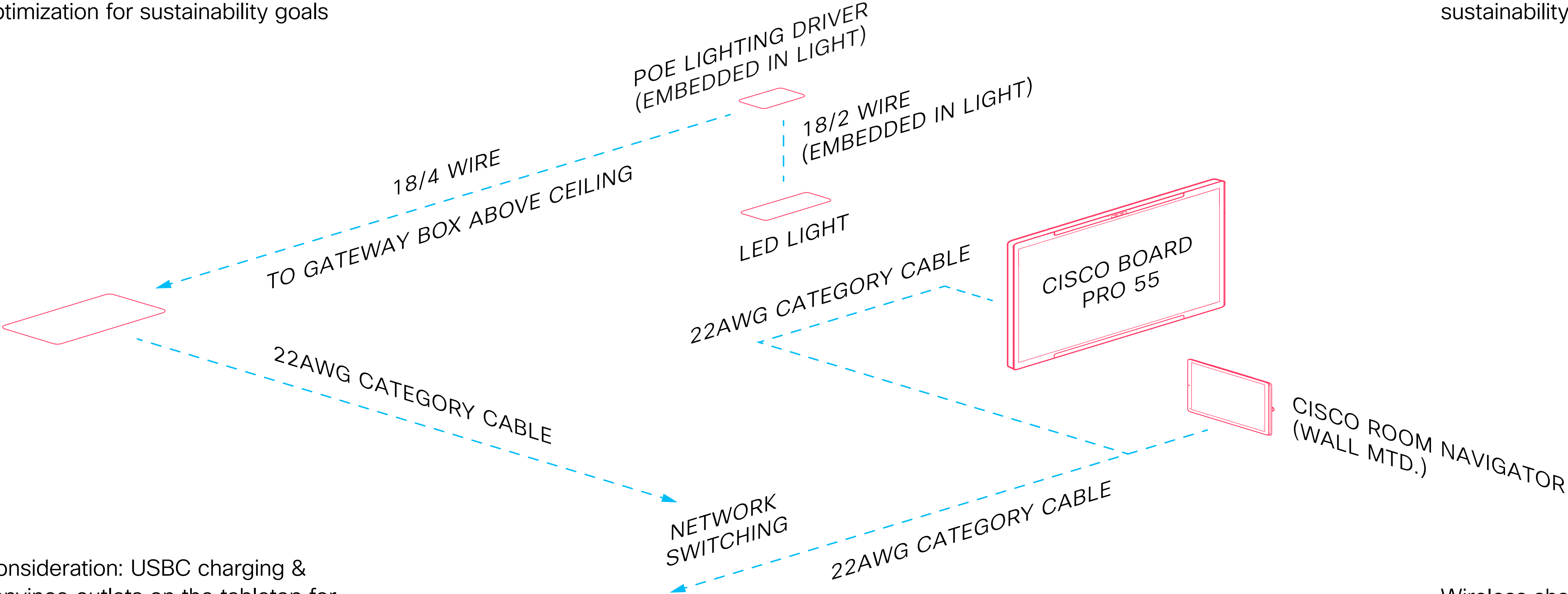


# Exploded IT Diagram

## Casual Huddle Room (Cisco Board Pro 55 Option)

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

Automated POE  
lighting for LEED &  
sustainability goals



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

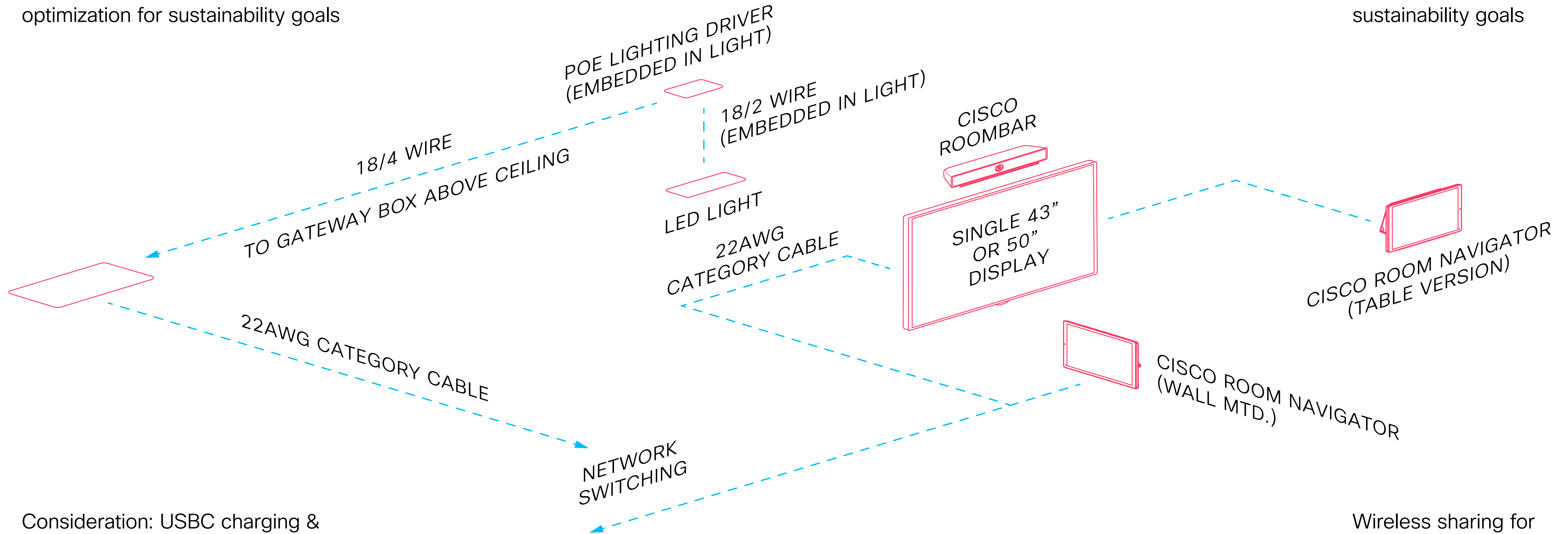
Wireless sharing for  
ease of collaboration

# Exploded IT Diagram

## Casual Huddle Room (Cisco Room Bar Option)

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

Automated POE  
lighting for LEED &  
sustainability goals



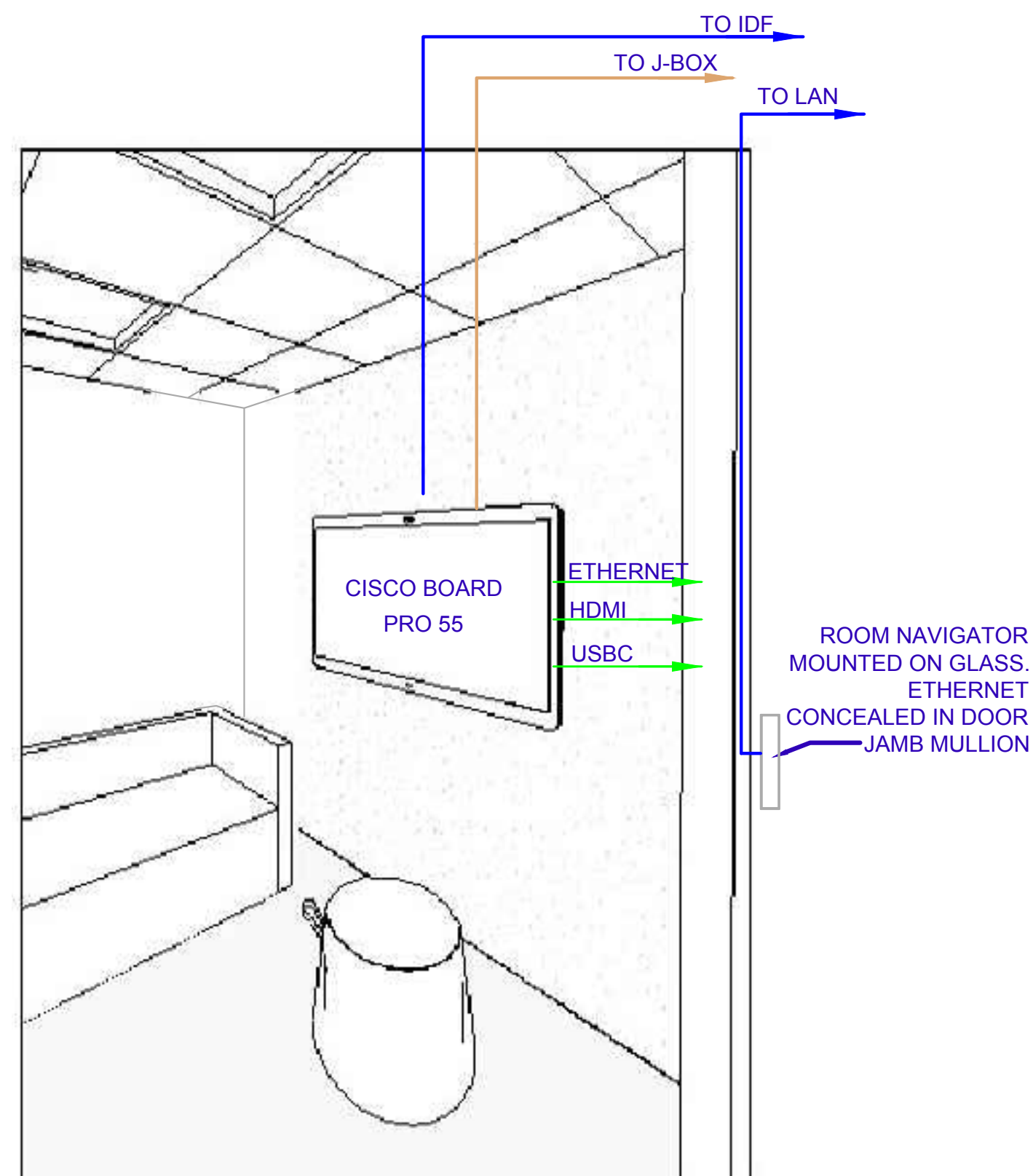
Consideration: USBC charging &  
convince outlets on the tabletop for  
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ease of collaboration

# Connectivity View

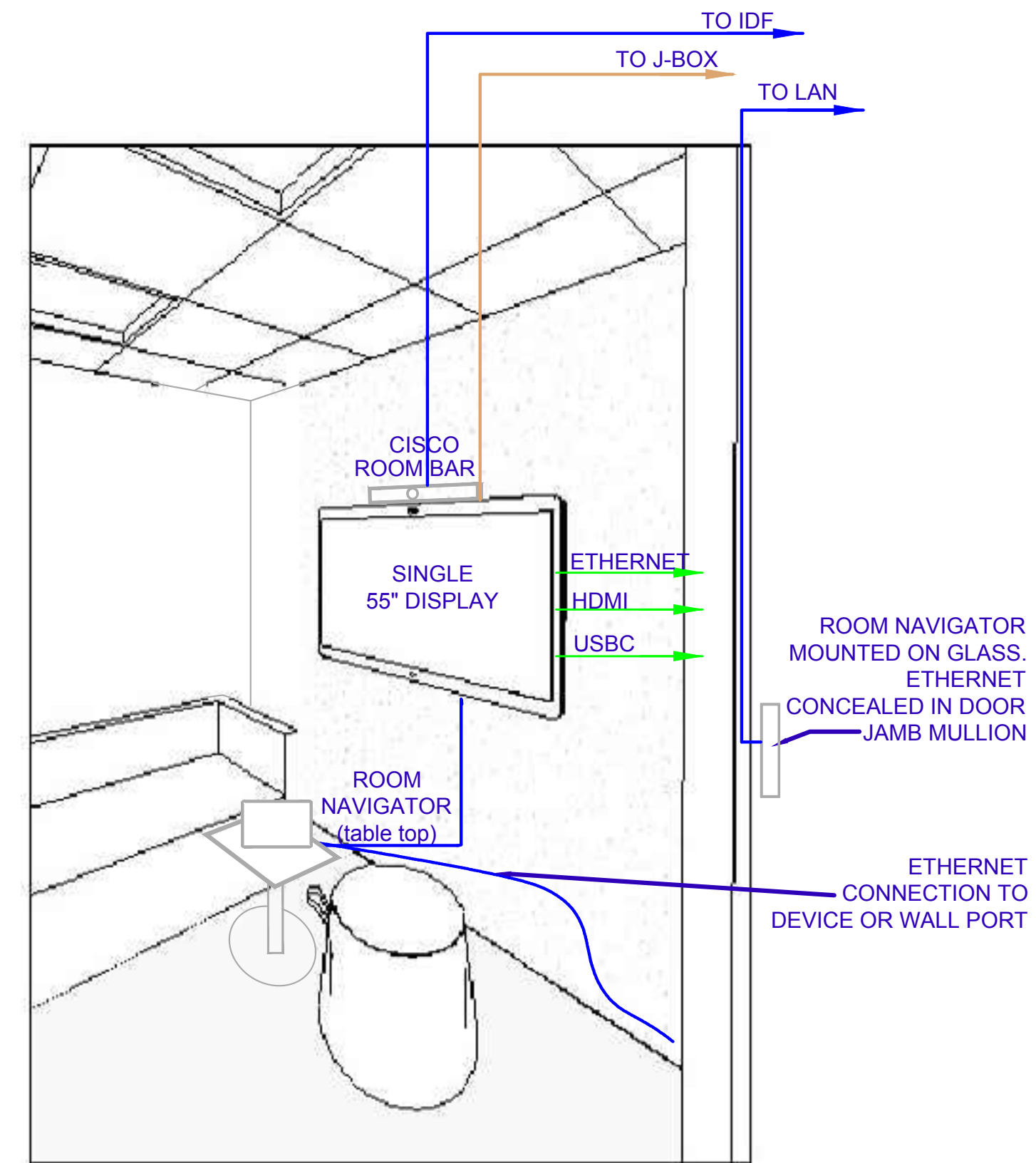
## Casual Huddle Room

### Option 1: Cisco Board Pro 55



— ETHERNET  
— POWER  
— USB

### Option 2: Cisco Room Bar

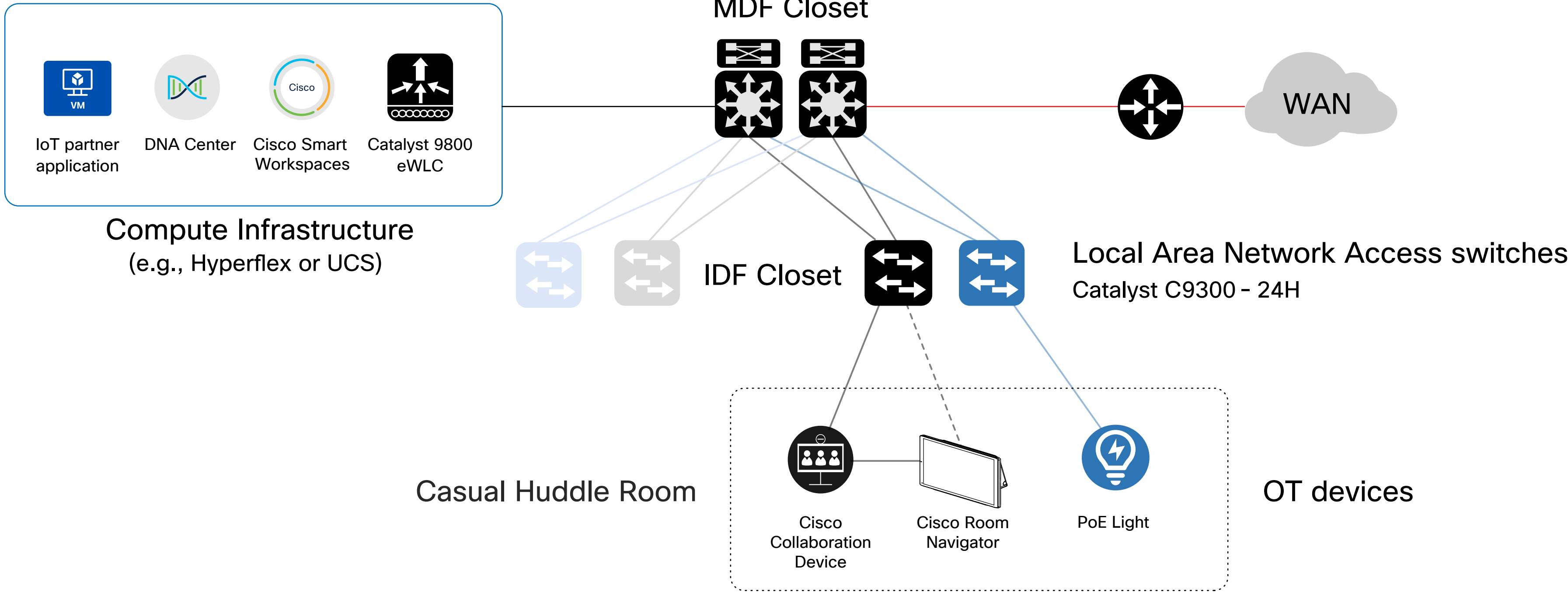


— ETHERNET  
— POWER  
— USB

# IT/OT Reference Architectures

## Casual 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

## Casual Huddle Room

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### Cisco Products - Cisco Board Pro 55 Option

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

### Cisco Products - Cisco Room Bar Option

- **CS-BAR-T-K9** Cisco Room Bar Bundle - Carbon
- **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
- 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 Collaboration device is not plugged into ASHRAE 90.1 outlet

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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)

## Casual 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

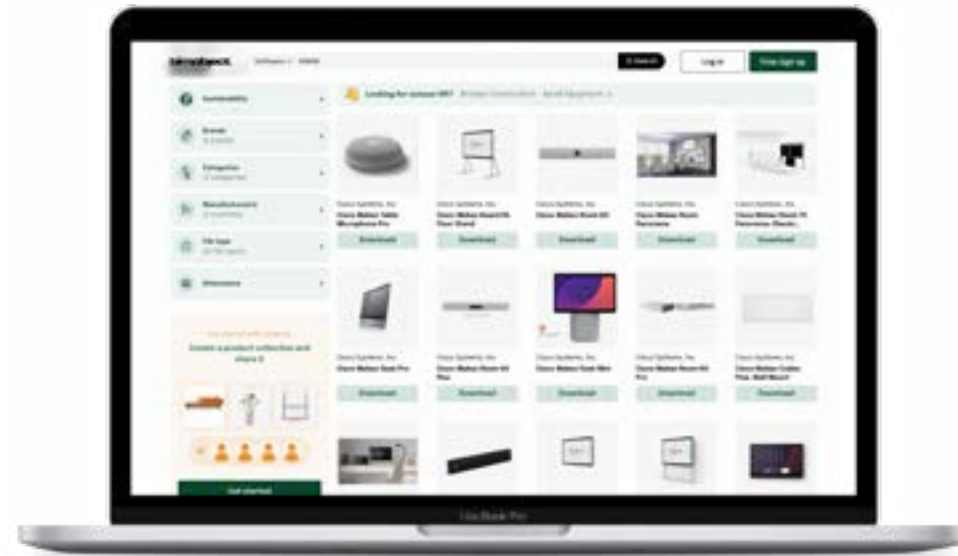
### IT Testing

- Internet connectivity of Cisco Collaboration device
- Initiate test calls on video endpoint (via Room Navigator or Board Pro, Webex app and voice controls)
- Validate environmental metrics are being displayed on collaboration device and Room Navigator
- 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 Casual Huddle 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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