Smart Building Technology
and Hybrid Work Solutions

Cisco Talent and Collaboration Centers

Casual Huddle Room Design Guide

Open

Introduction

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	✓	✓

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Visualization of key Cisco elements

Option 1

Cisco
Board Pro 55

Adjustable mount
recommended

Cisco Room
Navigator
for Wall

Option 2

Single 55” Display and Display Mount

LG / Panasonic / Samsung / Sony

Cisco Room Bar

Cisco Room
Navigator
for Wall

Cisco Room Navigator
for Table

Certified Third Party Displays

Webex 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 April 25, 2025. For up to date information on certified and compatible Cisco collaboration device partner offers, click on the link below.

Device Partners

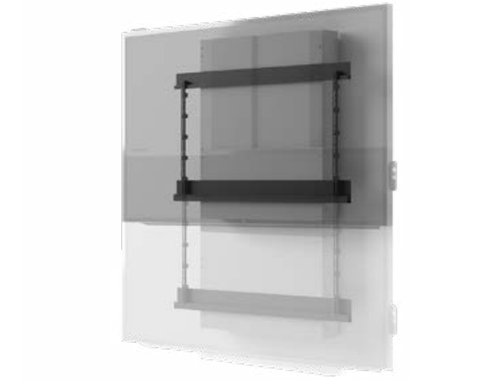
Vendor	Product or Series	Firmware version
Samsung	QMB	1040.7
Samsung	QBB	1040.7
Samsung	QMC	1061.0, 1080.7
Panasonic	EQ2	2.4
LG	UN640S	03.76.05
LG	UL3J	03.08.41
LG	UH5J	03.24.01
LG	UR640S	03.17.00
LG	UM5K	3.70.30
Sony	BZ30J, BU30J, BZ35J, BU35J, BZ40H, BU40H, BZ40J, BU40J	6.5929
NEC	M751, M861, M981	1.200
NEC	MA431, MA491, MA551, P435, P495, P555	3.203
Sharp	PN-LA652, PN-LA752, PN-LA862	1.112
Sharp	M431-2, M501-2, M551-2, M651-2	R5.306

Video Device Mounting Options

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.

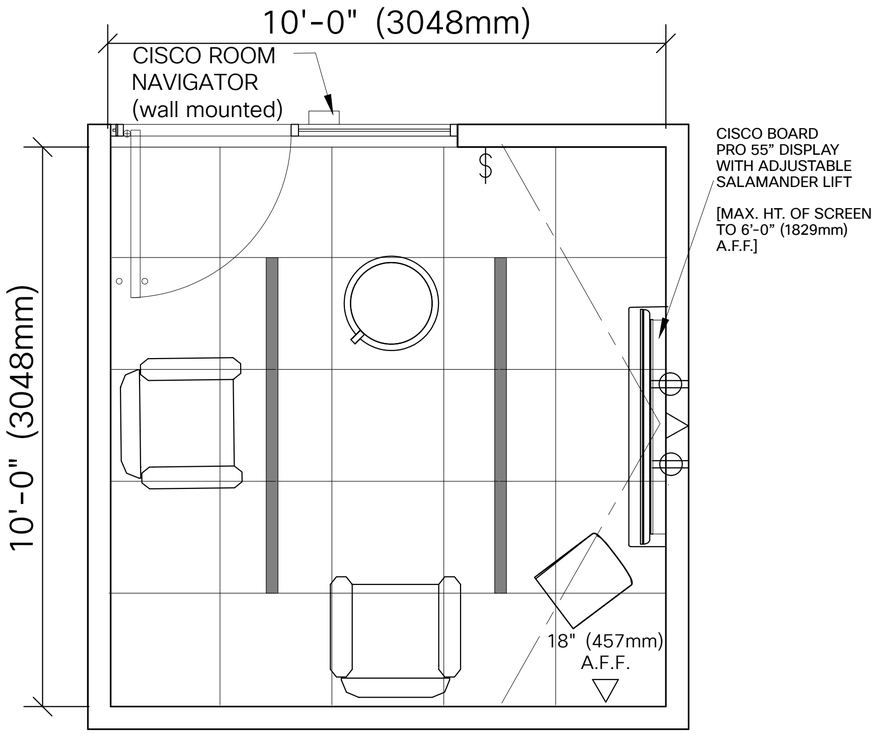


Cisco Room Bar

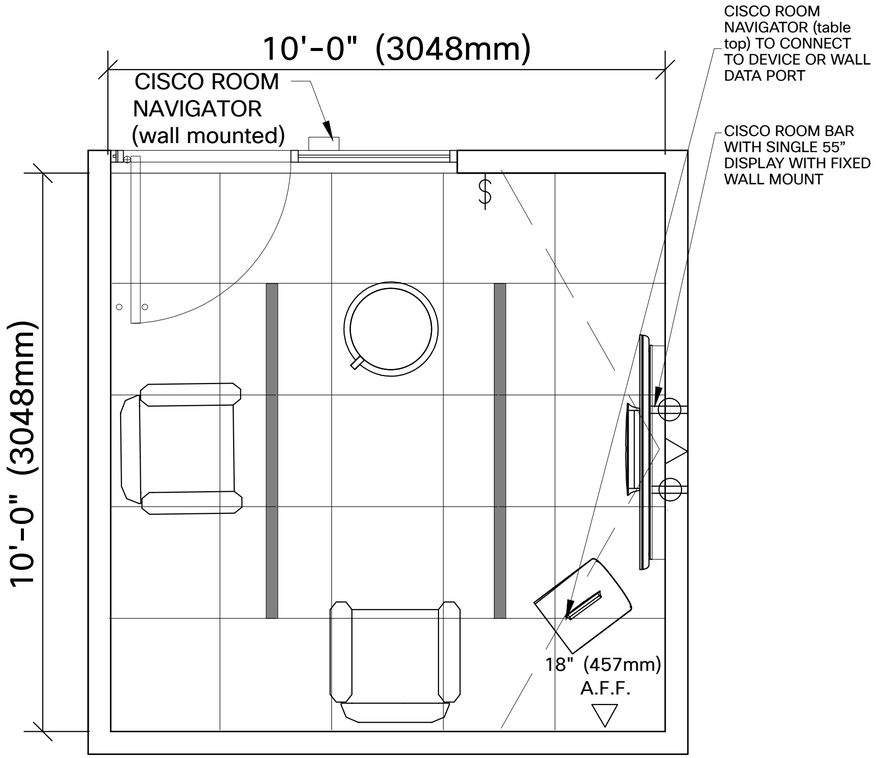
With the Cisco Room Bar option, the display is positioned at a fixed height. Thus it is optimal that a standard display mount is used. This will, however, require that the wall be blocked, and electrical/data elevated to a height that will conceal it behind the mounted display. If there isn't an option 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

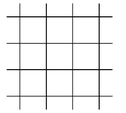
Option 1: Cisco Board Pro 55



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

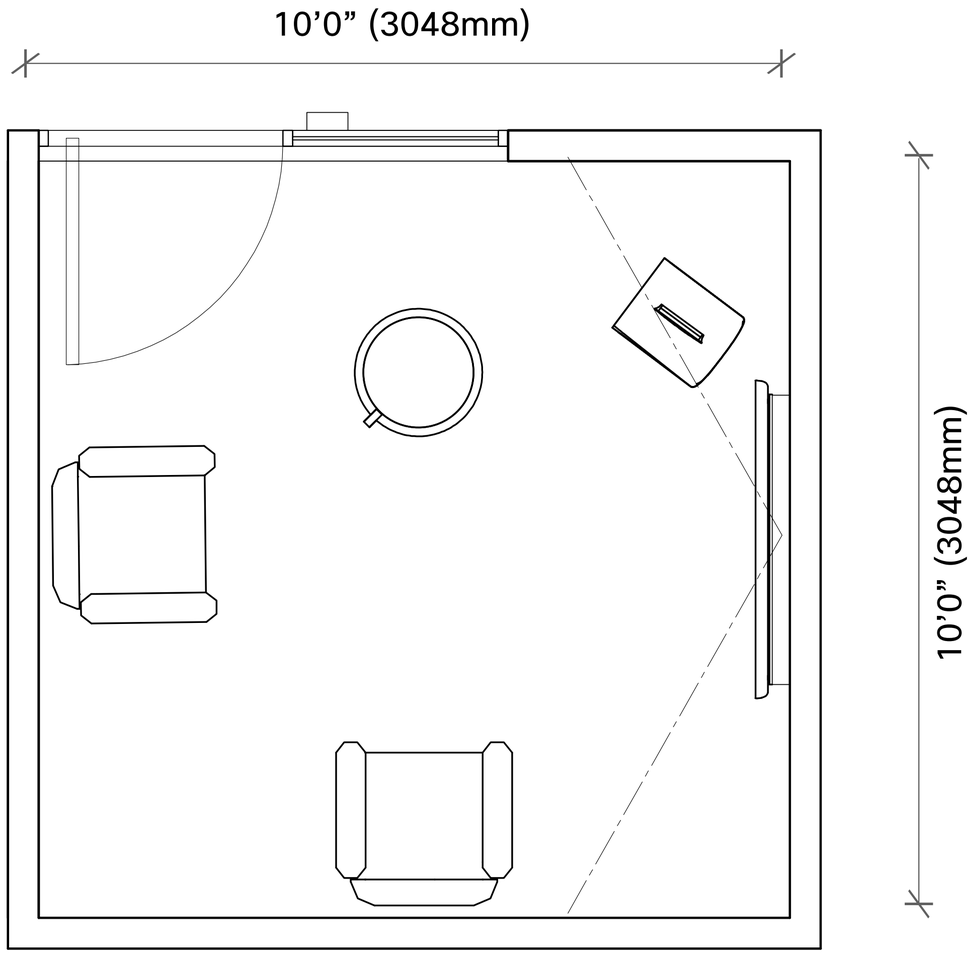
$ LIGHT SWITCH

AV AV RECEPTACLE

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

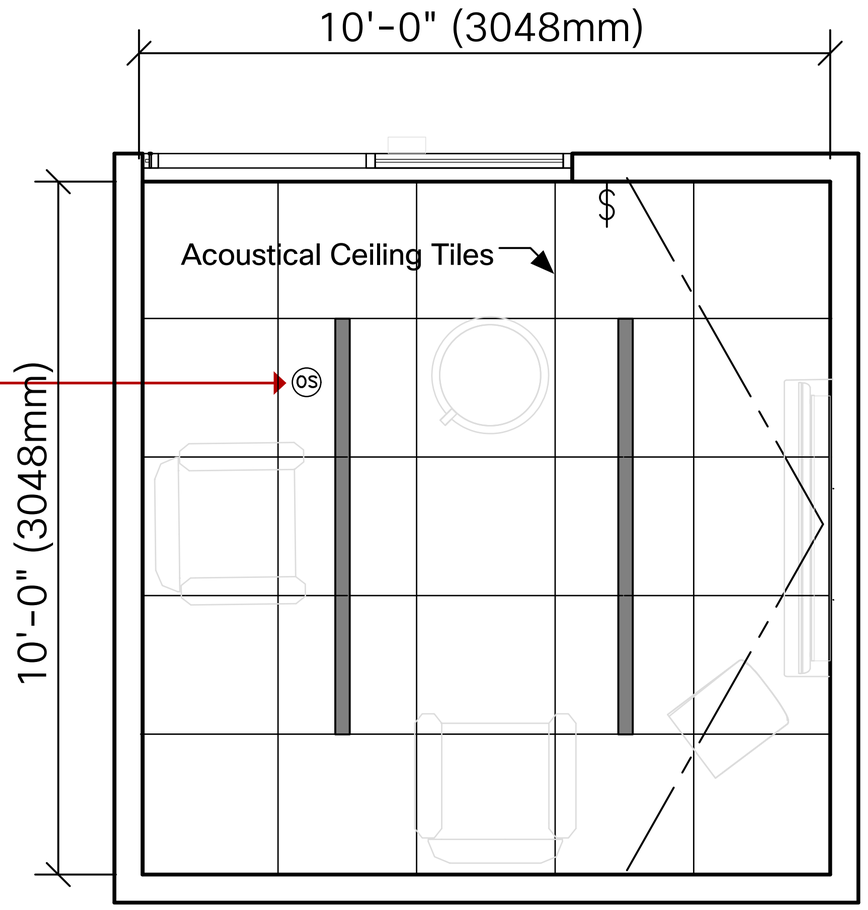
Room Layout

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

Combination occupancy and daylight sensor



Graphics Symbols

ACOUSTICAL CEILING AND GRID

LIGHT FIXTURES

LIGHT FIXTURE

POWER AND COMMUNICATION

CEILING MOUNTED DEVICES

ROOM OCCUPANCY SENSOR

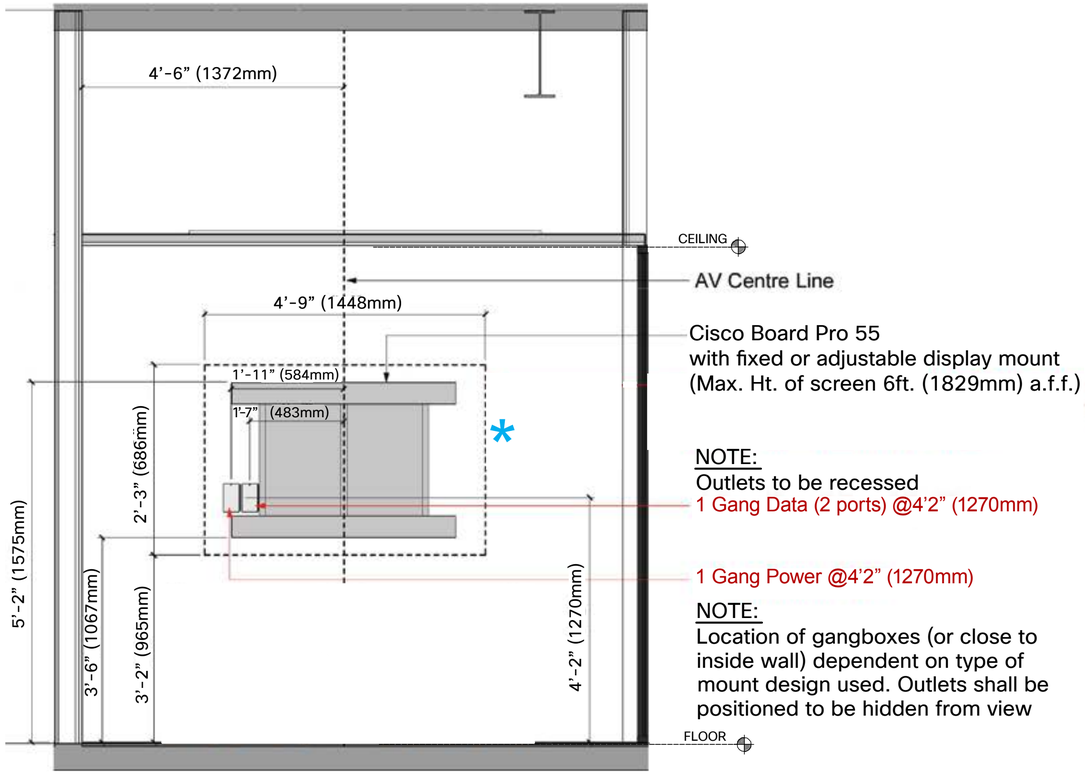
WALL MOUNTED DEVICES

$ LIGHT SWITCH

Casual Huddle Room

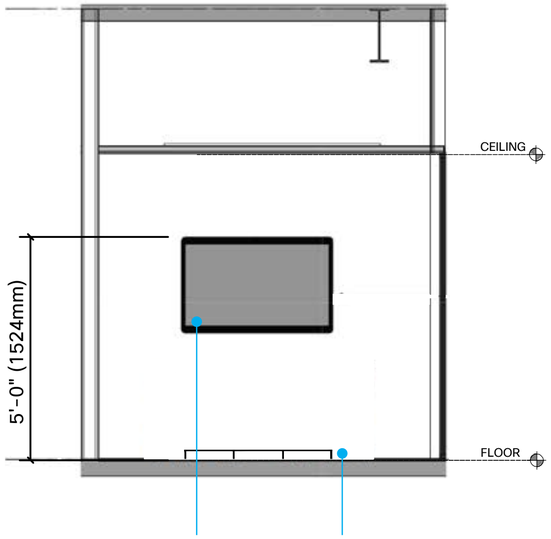
Room Elevations

Construction 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.

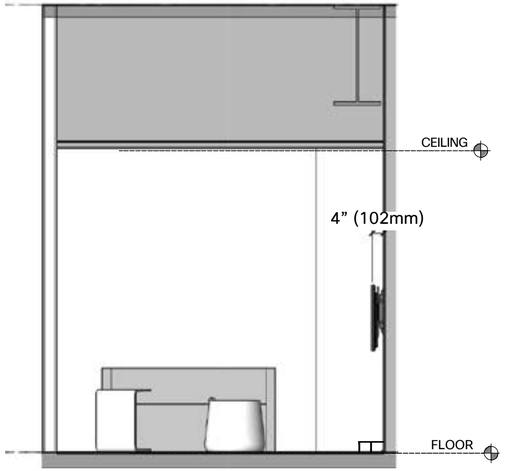
Front Elevation



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.

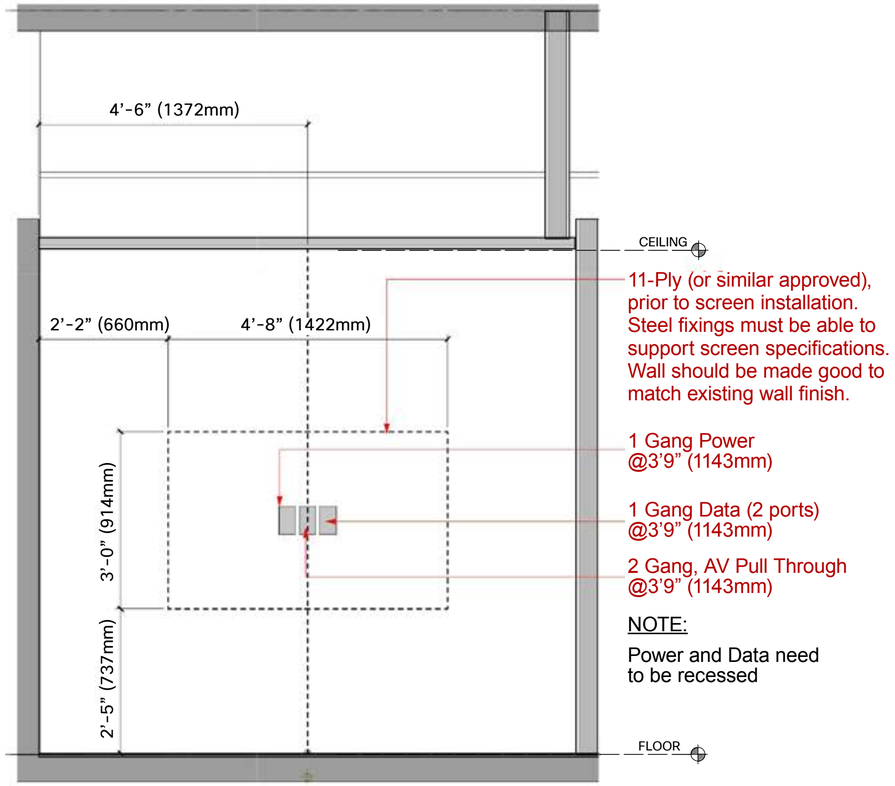
Side Elevation



Casual Huddle Room

Room Elevations

Construction 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.

1 Gang Power @3’9” (1143mm)

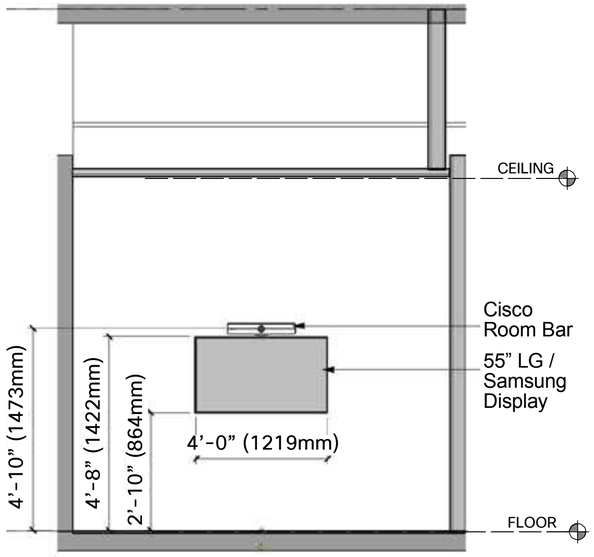
1 Gang Data (2 ports) @3’9” (1143mm)

2 Gang, AV Pull Through @3’9” (1143mm)

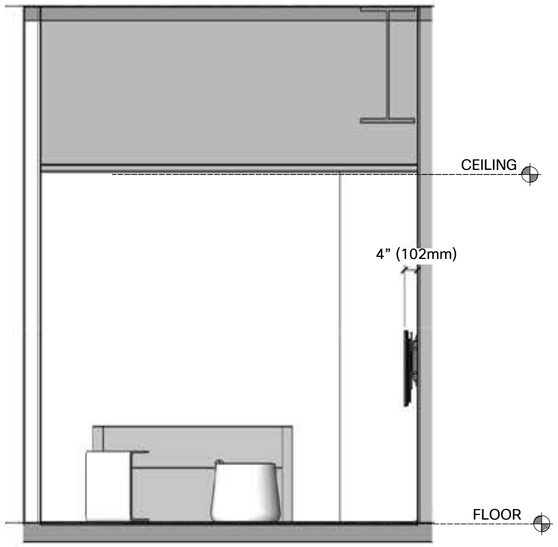
NOTE:

Power and Data need to be recessed

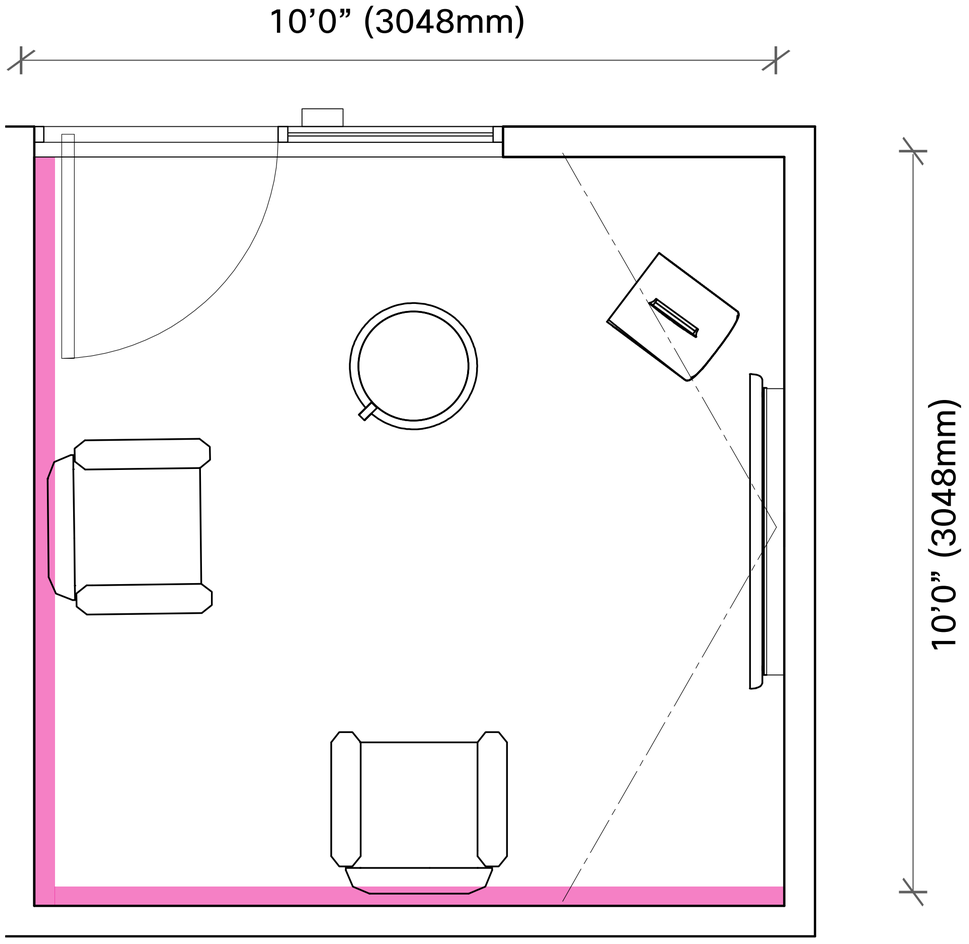
Front Elevation



Side Elevation



Acoustical Treatment



- Installation of an absorptive ceiling, through the use of acoustic ceiling tiles, as well as the addition of acoustical panels to two adjoining walls within the room (preferably opposite the device and away from the entry location) is highly recommended.

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. Refer to the elevations page for details. The specific location should be confirmed with the mount manufacturer. With the Cisco Room Bar option, an additional data receptacle should also be added to the space for Cisco Room Navigator for Table connectivity. Exact location to be determined based in consultation with the architect and design teams.

Casual Huddle Room

Exploded IT Diagram

Cisco Room Navigator for Wall

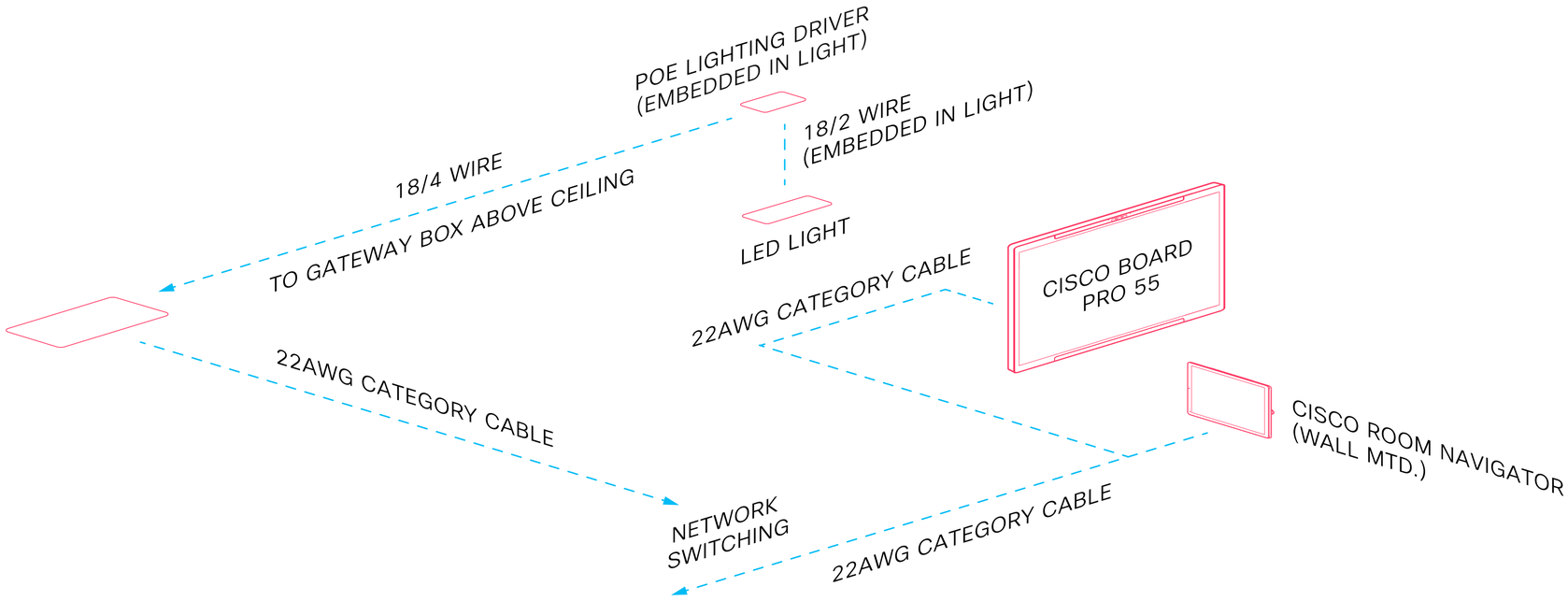
It is recommended to run the cable inside the wall or through the door frame directly back to a network switch.

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 typically required.



Casual Huddle Room

Exploded IT Diagram

Cisco Room Navigator for Table (required)

If possible, the Cisco Room Navigator for Table should be connected to the Cisco Room Bar over the IT network, via a separate ethernet jack within the space. The location of this jack should be made in conjunction with the architect and/or interior design team, based on the layout of the furniture (as to be convenient to users of the space).

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.

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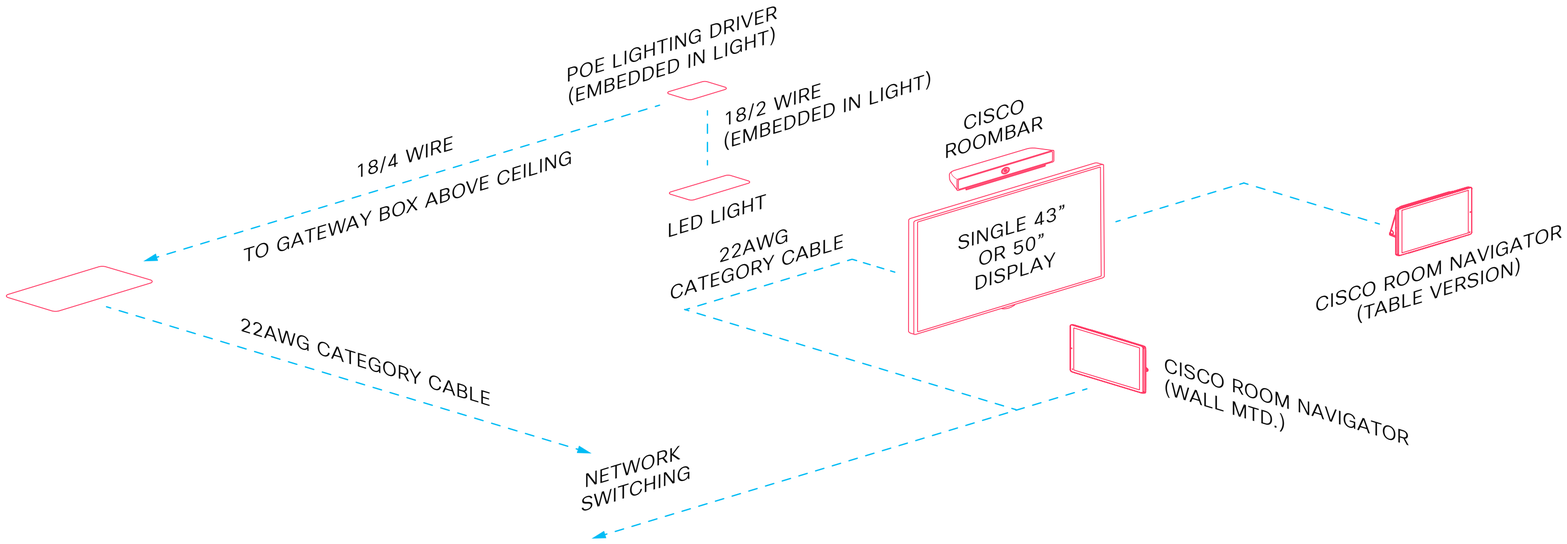
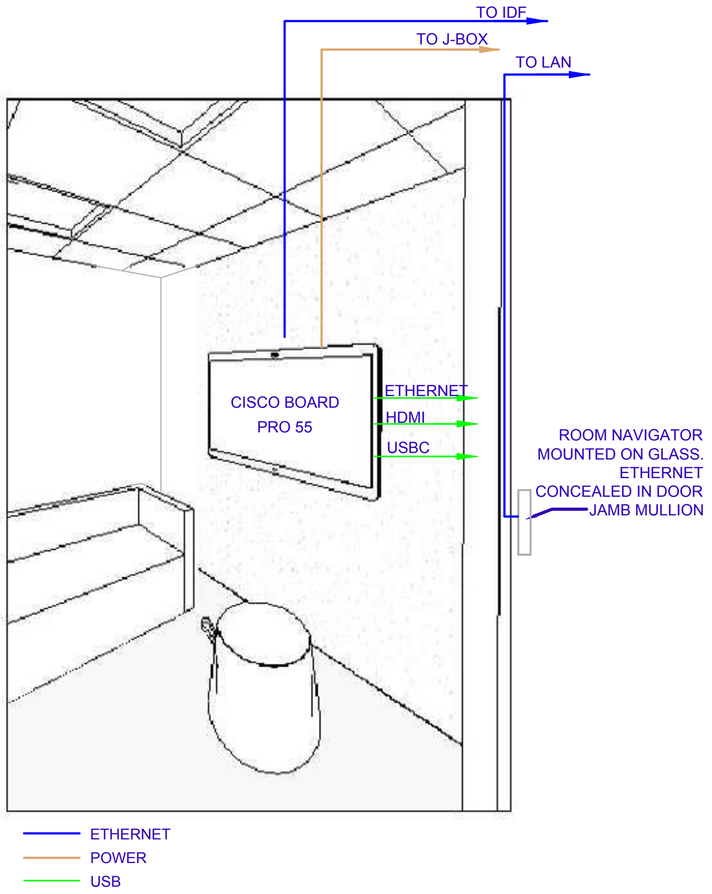
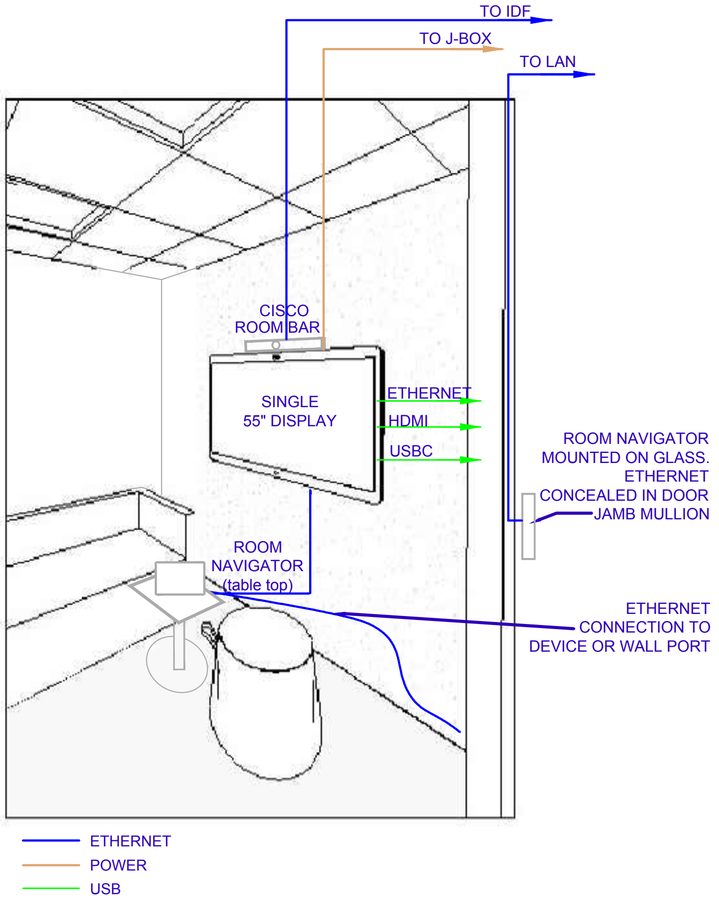


Connectivity View

Option 1: Cisco Board Pro 55

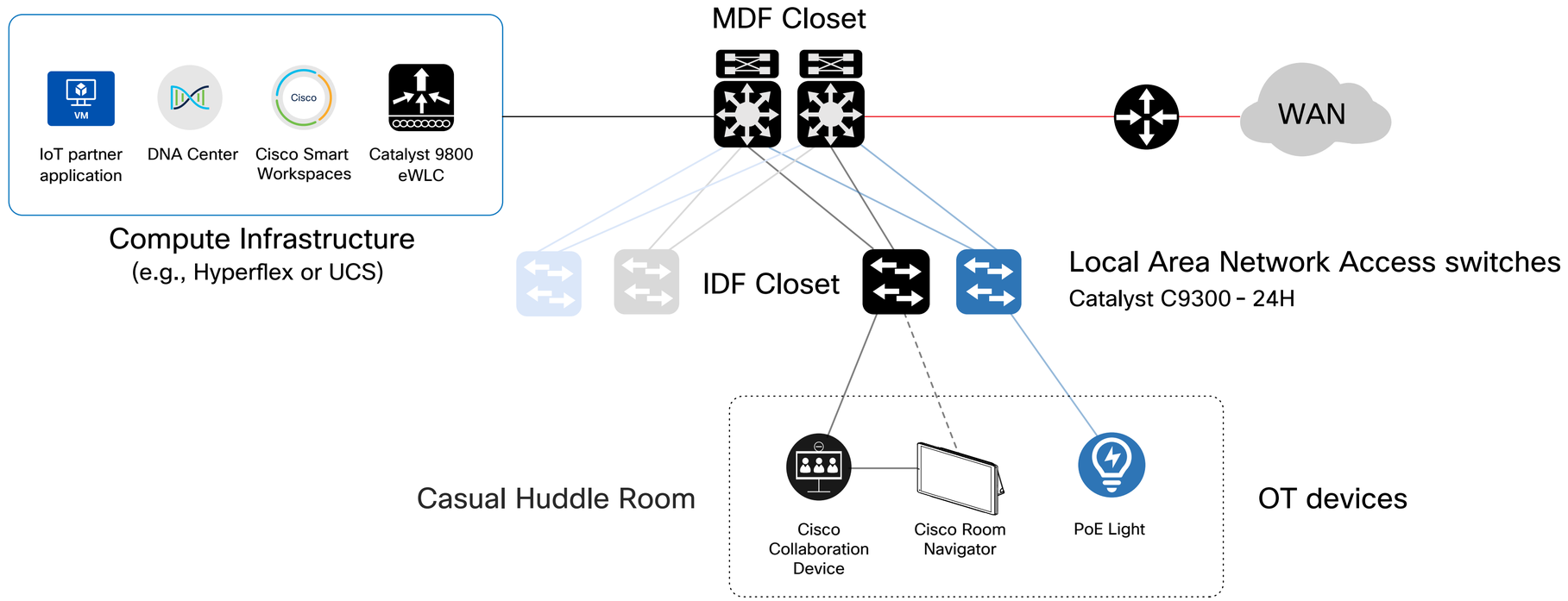


Option 2: Cisco Room Bar



IT/OT Reference Architectures

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



IT/OT Bill of Material

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-TS-G-K9** Cisco Room Navigator for Table (included with Cisco Room Bar)
- **CS-T10-WM-K9=** Cisco Room Navigator for Wall

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

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

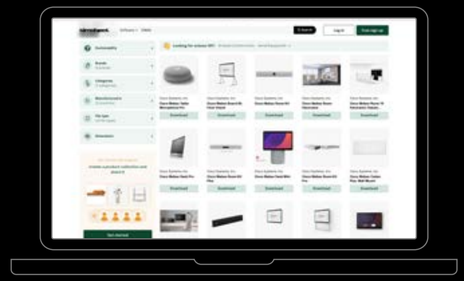
- [ ] Verify manual adjustment of lights, shades and environmentals are operational from wall controls
- [ ] Confirm lighting occupancy sensor is functional
- [ ] Check any tabletop power and data functionality
- [ ] Verify any smart buildings integrations are working properly

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, search "Cisco."



Resources

Cisco.com	
Guide	Guide: Best Practices for Creating Effective Video-enabled Rooms
Data Sheet	Cisco Room Bar Data Sheet

Version 28 (May 5, 2025)

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.