Cisco Public

Smart Building Technology and Hybrid Work Solutions

Hybrid Work Office Design Guides

Medium Collaboration Room – Dual Screen

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Medium Collaboration Room – Dual Screen

Overview and Intent

This document provides guidance on how to effectively design a medium collaboration 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 finalise 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

The perfect space to bring people together for knowledge sharing or decision making, optimally seating 8–9 individuals. When dual 55” displays are used, you see content and remote participants simultaneously.

Supported Collaboration Activities

Information Sharing	✓
Brainstorming	
Team Building	
Decision Making	✓

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** All illustrations are provided for information purposes only. Final plans may vary.*

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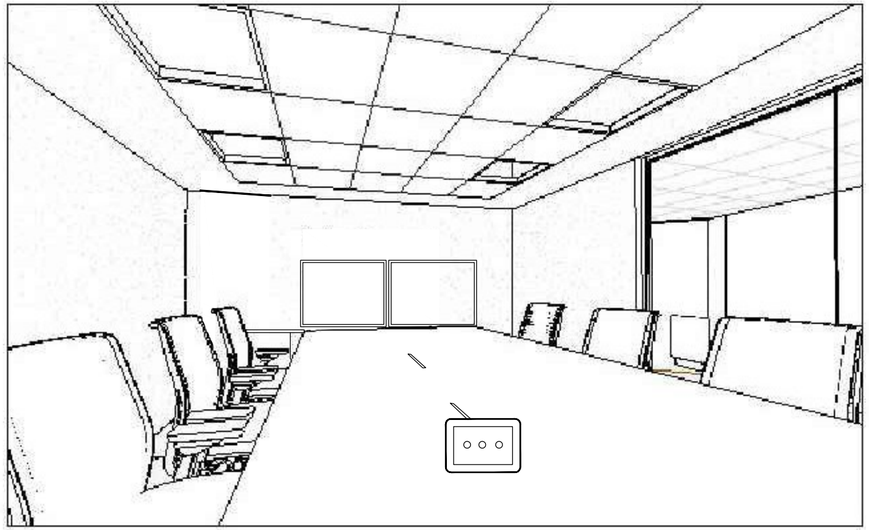
Visualisation of key Cisco elements

Medium Collaboration Room – Dual Screen



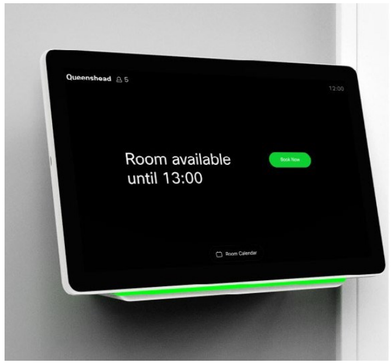
Perspective View

Dual 55” displays

Samsung/LG

Webex Room Kit Plus and Webex Quad Cam

Cisco Table Microphones (x2)



Webex Room Navigator

Wall-mount version

Webex Room Navigator

Table-stand version

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Video Device Mounting Options

There are two mounting options for the video device in the medium collaboration room, directly on the wall or leveraging an A/V compatible credenza. Several factors will go into determining which option is best.

Option 1: Wall Mount

Wall Mounted – Requires wall to be blocked and electrical and data to be elevated.” Specific wall mount hardware must be determined based on the weight of the displays that are selected.

Option 2: Credenza Option

A/V compatible credenza – Free-standing and fully integrated cabinets available from a number of specialised vendors eliminate the requirement for the wall to be blocked and electrical moved. Perfect for new and retrofit installations, allowing for quick and efficient installation.

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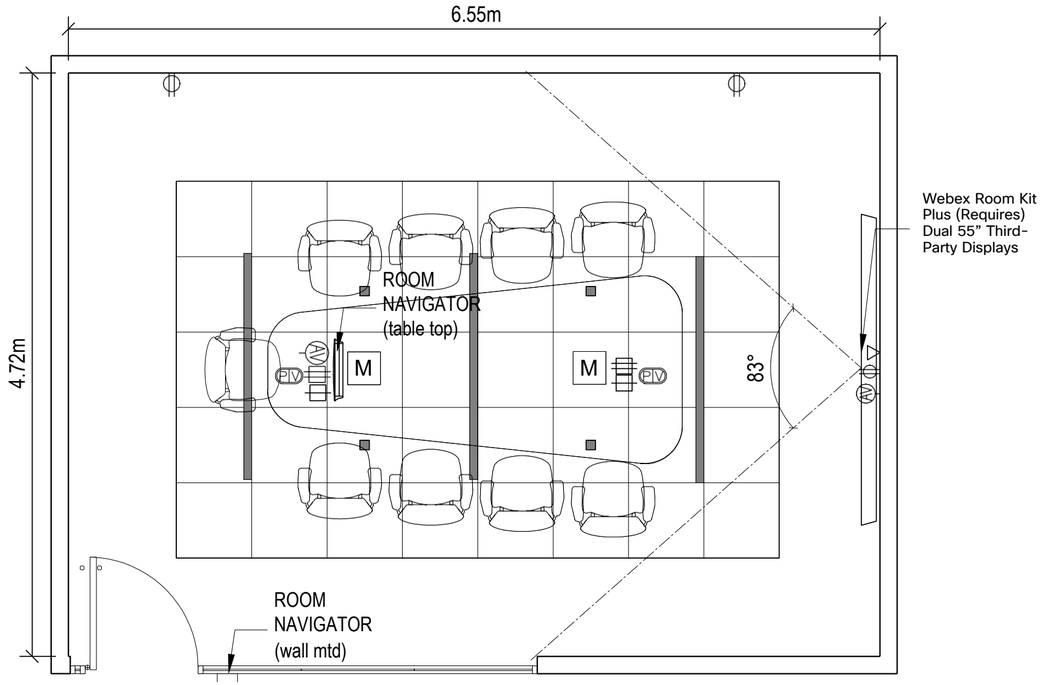
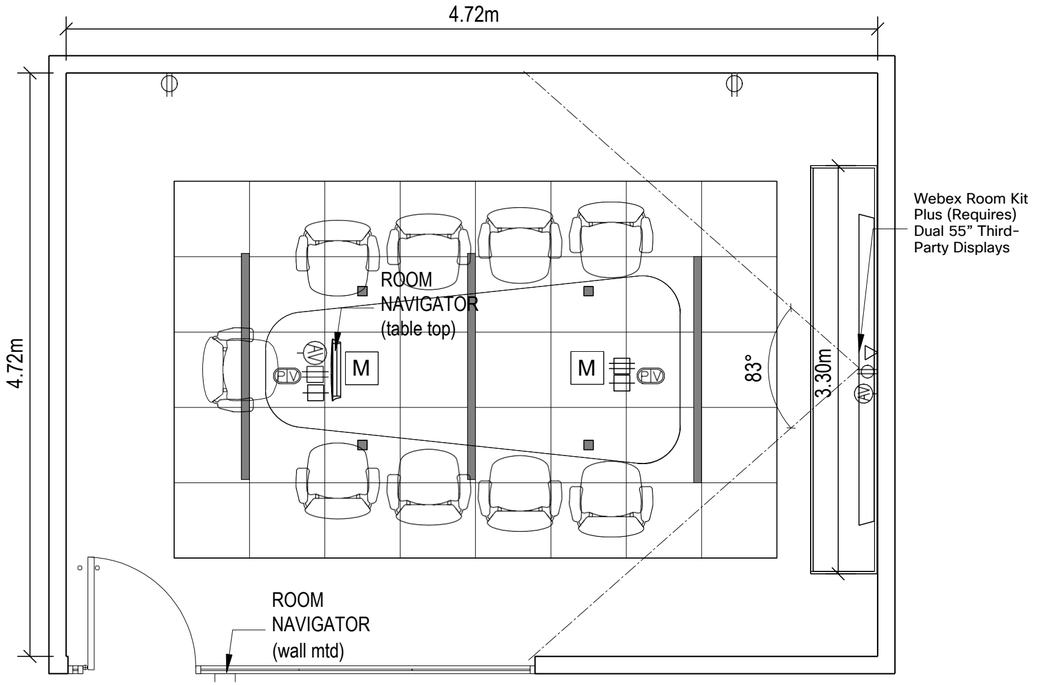
Design Details

Composite Plans

Option 1: Wall Mount



Option 2: Credenza Option



Graphics Symbols

ACOUSTICAL CEILING AND GRID

LIGHT FIXTURES

LIGHT FIXTURES

FURNITURE SYSTEMS MOUNTED DEVICES

DUPLEX RECEPTACLE

DATA RECEPTACLE

POWER AND COMMUNICATION

WALL/CEILING/FLOOR MOUNTED DEVICES

DUPLEX RECEPTACLE

DATA RECEPTACLE

$ LIGHT SWITCH

AV RECEPTACLE

M TABLE-MOUNTED MICROPHONE

PIV COMBINATION POWER AND VOICE/DATA INFEED

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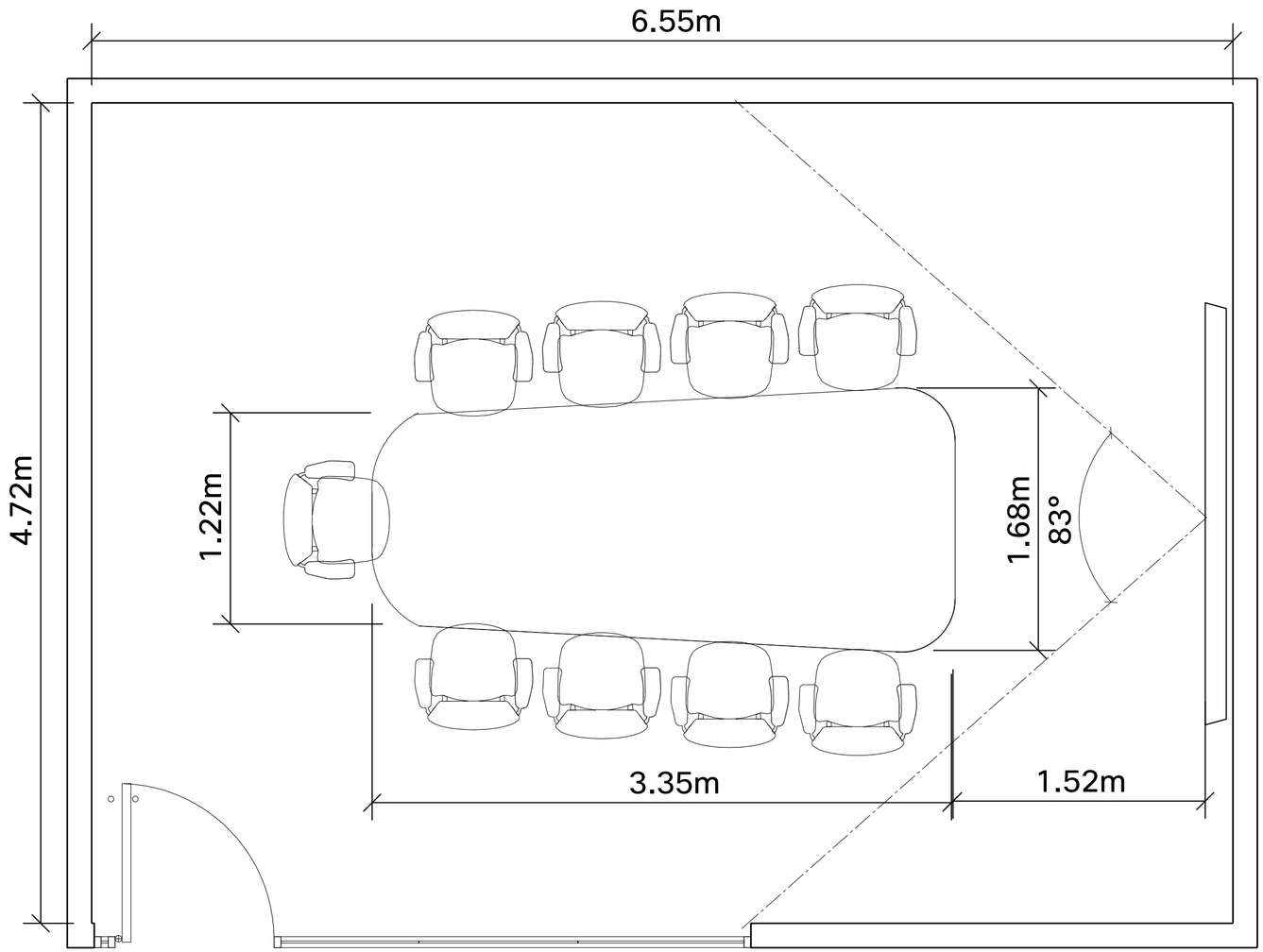
Design Details

Floor Plan



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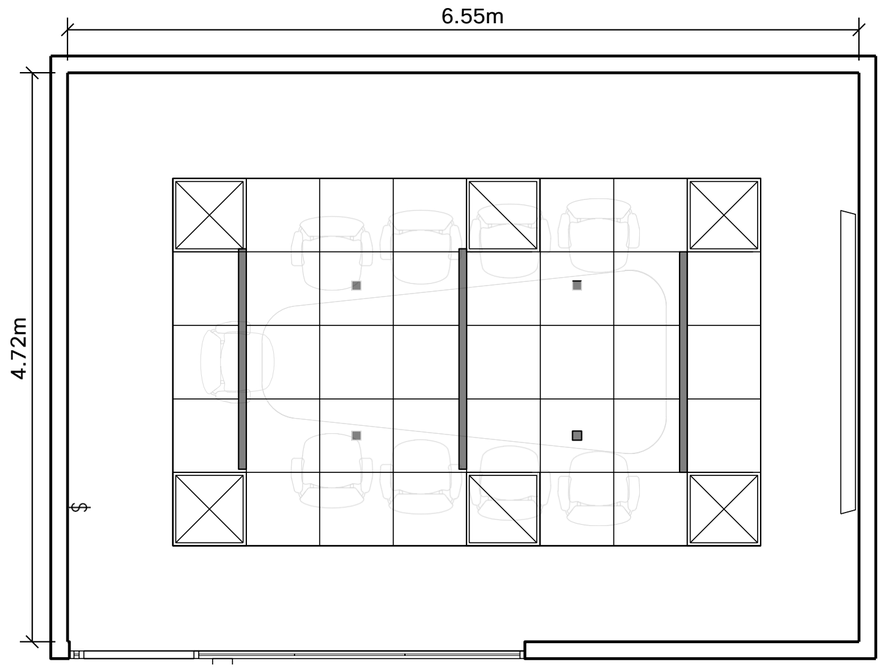
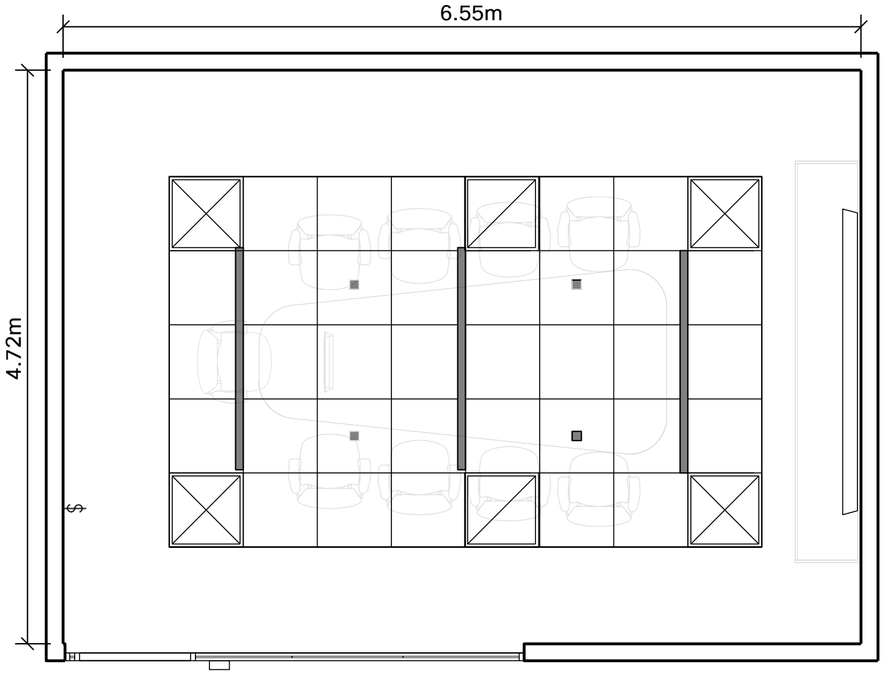
Design Details

Reflective Ceiling Plan

Option 1: Wall Mount



Option 2: Credenza Option



Graphics Symbols

ACOUSTICAL CEILING AND GRID

HVAC DIFFUSERS (T.B.D.) - SHOWN AS EXAMPLE ONLY

LIGHT FIXTURES

LIGHT FIXTURES

FURNITURE SYSTEMS MOUNTED DEVICES

DUPLEX RECEPTACLE

DATA RECEPTACLE

POWER AND COMMUNICATION

WALL/CEILING/FLOOR MOUNTED DEVICES

DUPLEX RECEPTACLE

DATA RECEPTACLE

LIGHT SWITCH

AV RECEPTACLE

TABLE-MOUNTED MICROPHONE

COMBINATION POWER AND VOICE/DATA INFEED

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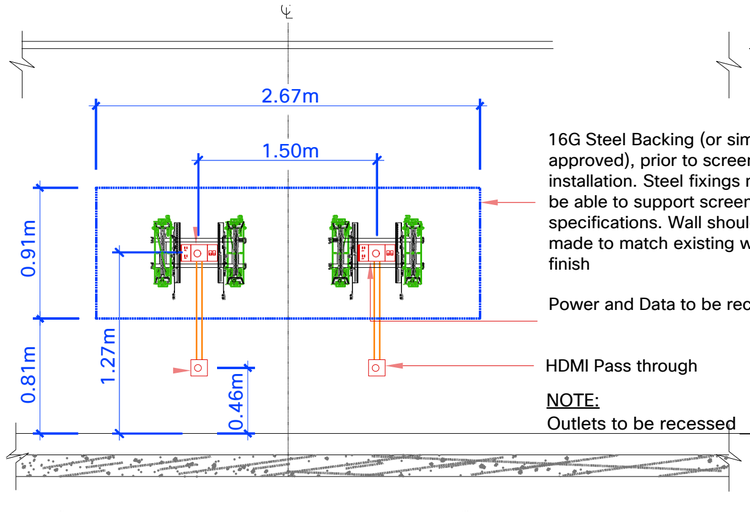
Medium Collaboration Room Elevations

Wall-Mounted Option

Conduit Elevation



16G Steel Backing (or similar approved), prior to screen installation. Steel fixings must be able to support screen specifications. Wall should be made to match existing wall finish

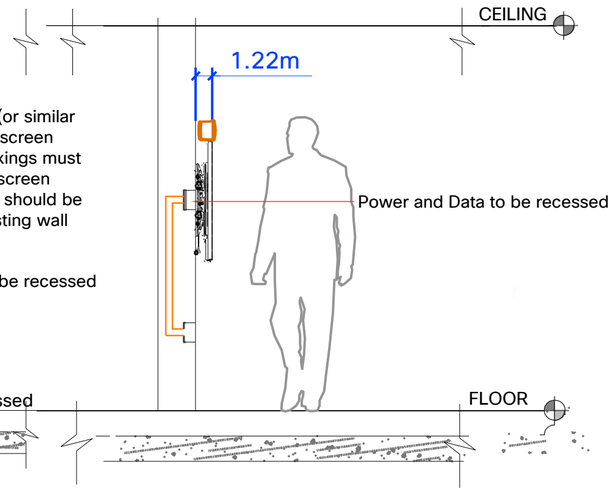
Power and Data to be recessed

HDMI Pass through

NOTE:
Outlets to be recessed

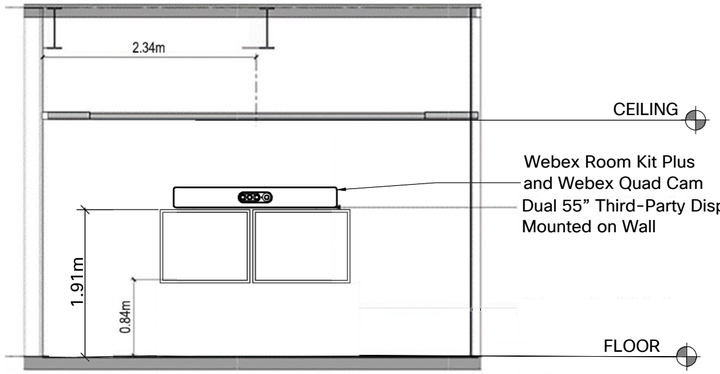
NOTE:
Location of gang boxes (or close to inside wall) dependant on mount design used. Outlets shall be positioned to be hidden from view

Side Elevation



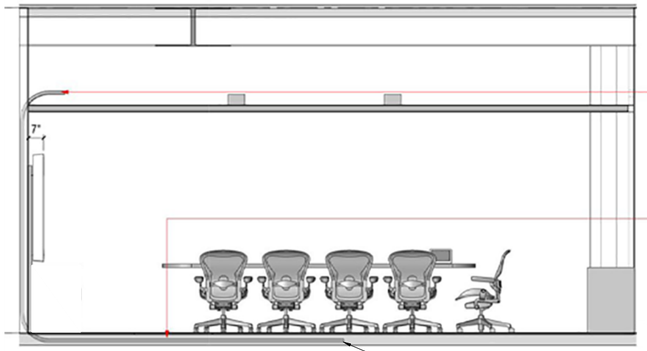
Power and Data to be recessed

Front Elevation



Webex Room Kit Plus
and Webex Quad Cam
Dual 55” Third-Party Display
Mounted on Wall

Side Elevation



0.04 m Rigid Plastic Conduit
to Accessible Ceiling above

0.04 m Rigid Plastic Conduit
to Accessible Ceiling above

Conduit Between Device
and Table May Be Required
if Table Microphones or A/V
Cables Are Present

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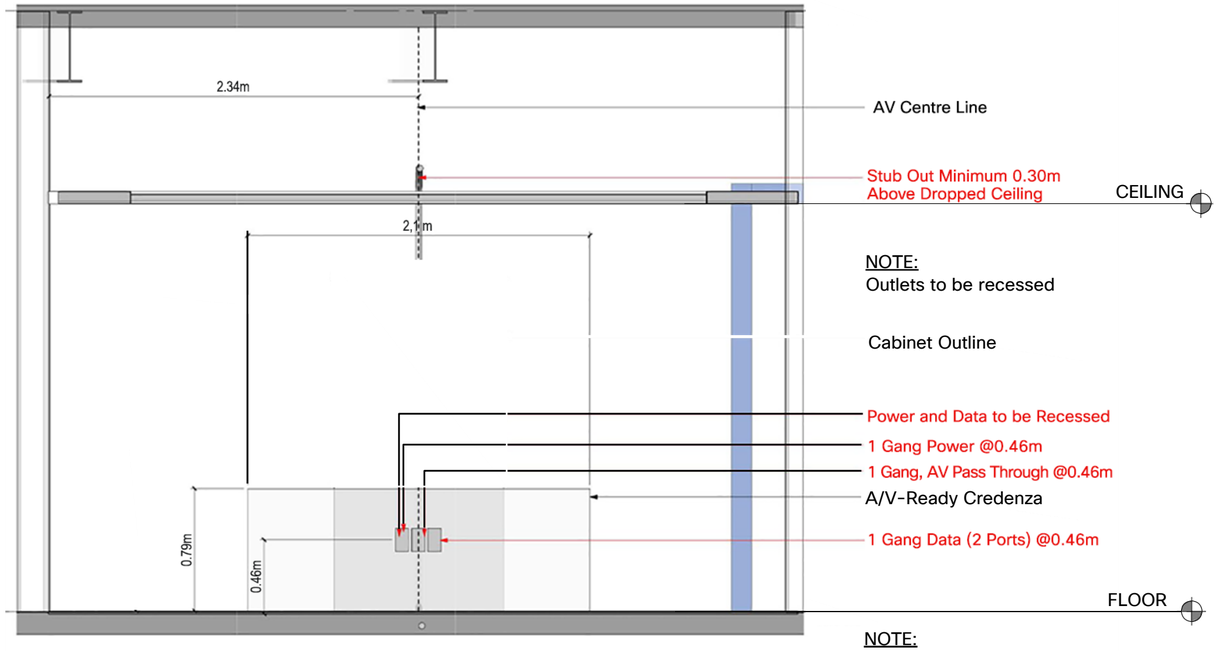
Medium Collaboration Room Elevations

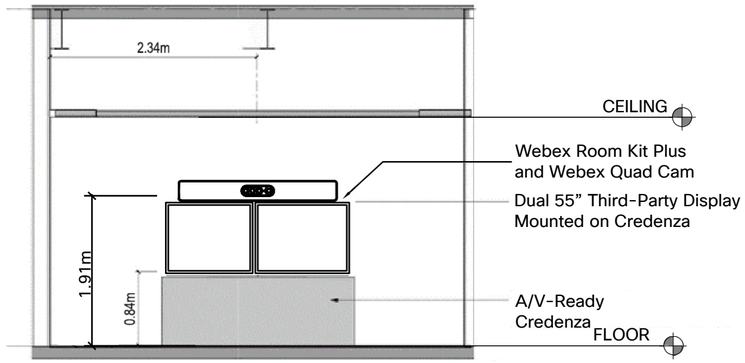
Credenza Option

Conduit Elevation

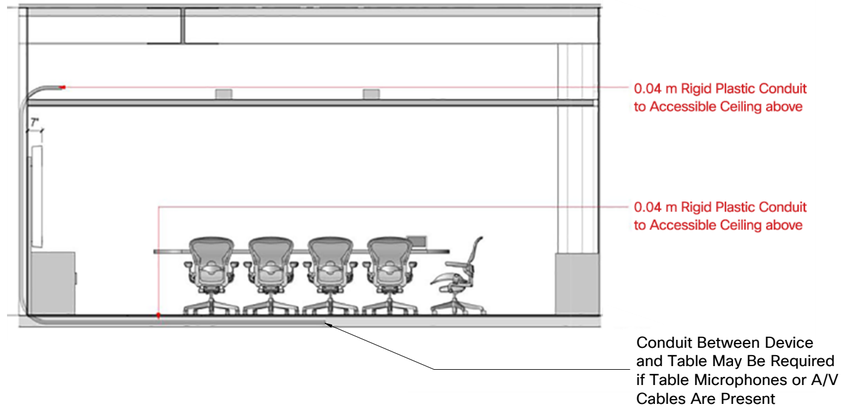


NOTE:
Location of gang boxes dependent on mount design used. Outlets shall be positioned to be hidden from view

Front Elevation



Side Elevation



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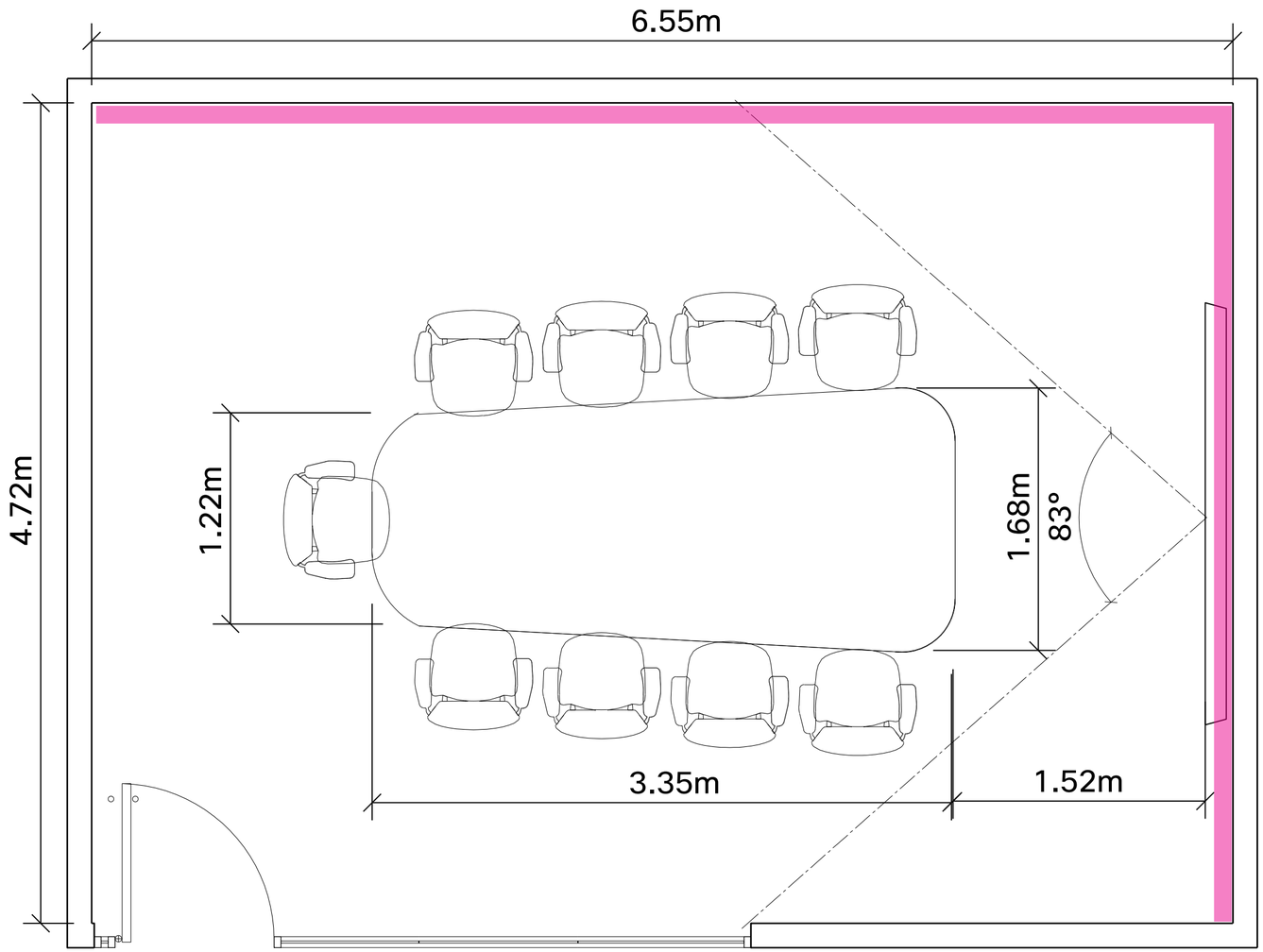
Acoustical Treatment



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Power and Data

General Specifications

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

Power and Data

Provide two (2) data jacks and dual plugs on wall behind video device. Provide a minimum of two (2) data jacks on floor under the table; if table-top data is required quantity will increase.

Power in Tabletop

User power should be surface mounted in tabletop. If pop-ups or table wells are used it is important to verify that they can accommodate all laptop power supplies. Provide shared power – 1 power port for every two seats.

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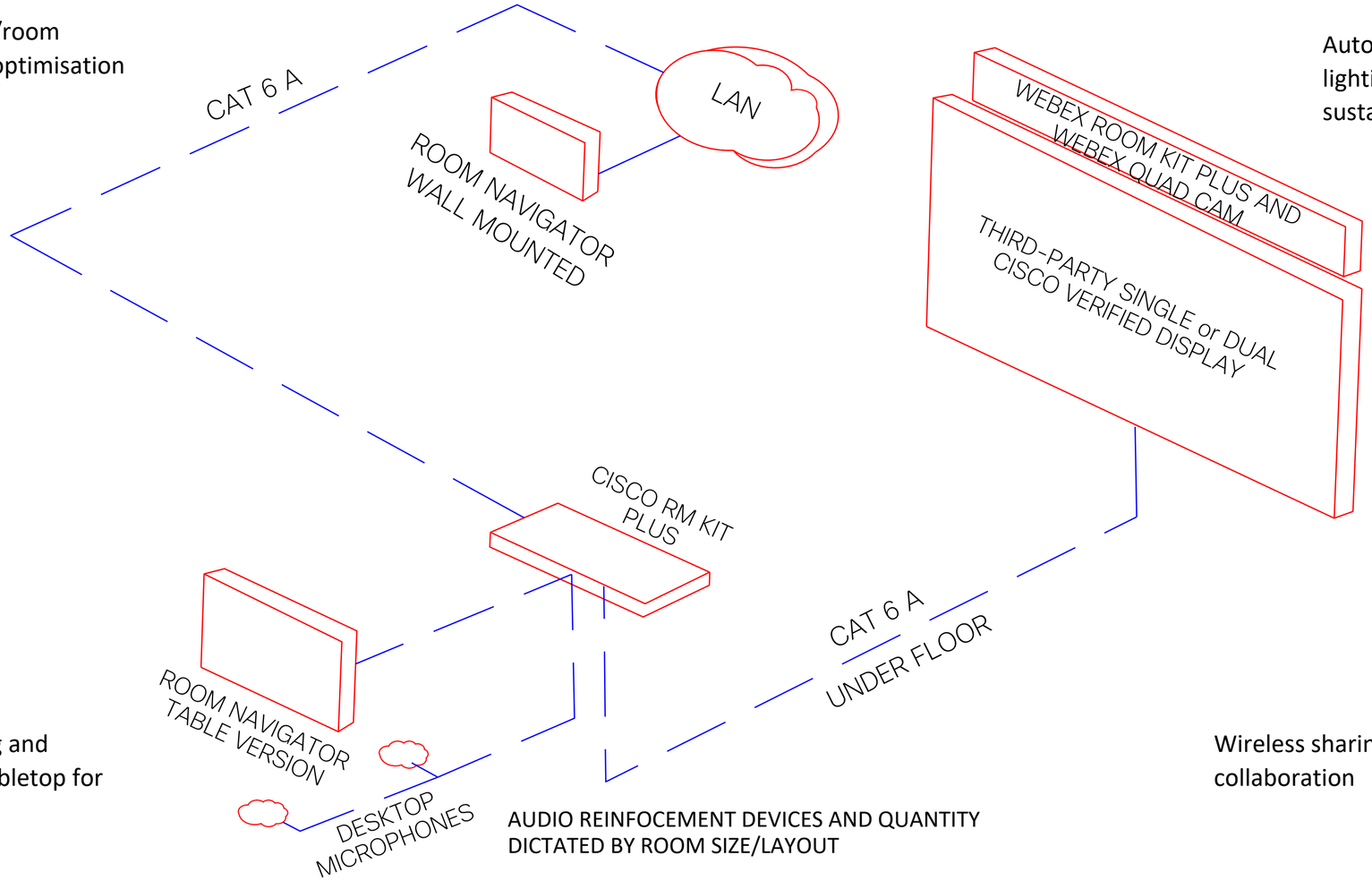
Exploded IT Diagram

Medium Collaboration Room

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



Automated POE lighting for LEED and sustainability goals

Consideration: USBC charging and convinience outlets on the tabletop for occupant convenience

AUDIO REINFOCEMENT DEVICES AND QUANTITY DICTATED BY ROOM SIZE/LAYOUT

Wireless sharing for ease of collaboration

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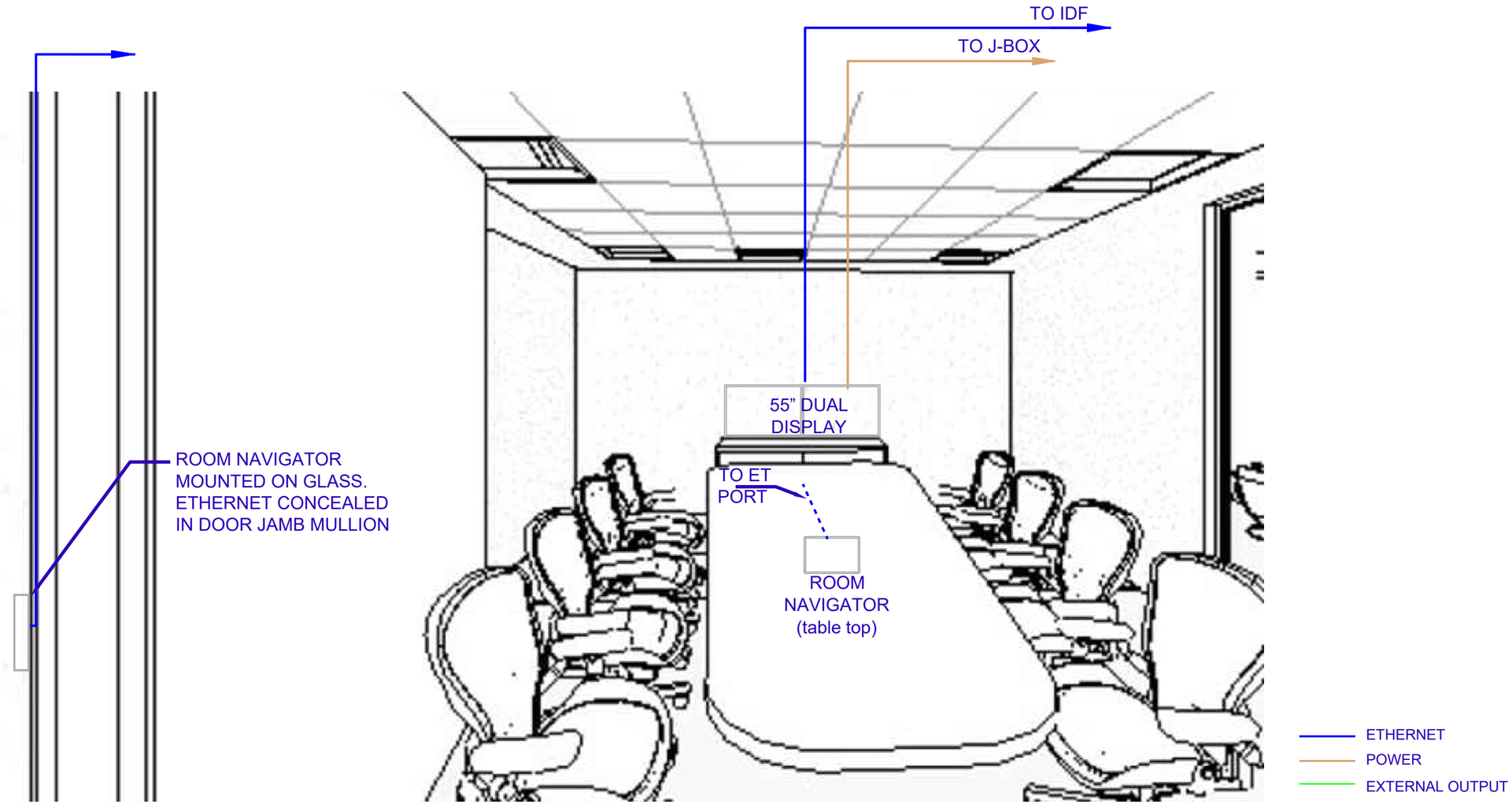
Connectivity View

Medium Collaboration Room



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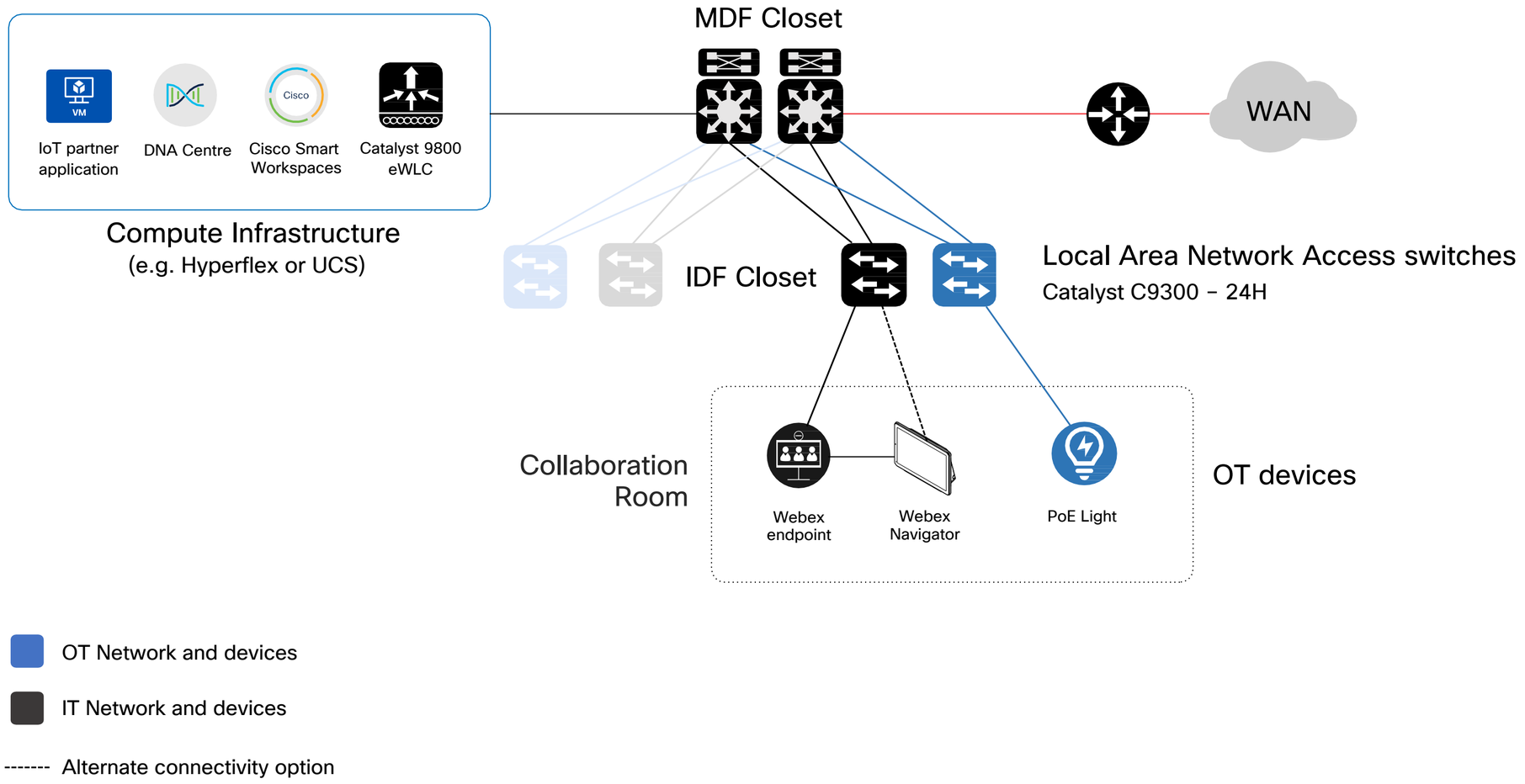
IT/OT Reference Architectures

Medium Collaboration Room

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



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IT/OT Bill of Material

Medium Collaboration Room

Cisco Products

- CS-KITPLUS-K9 Cisco WebEx Room Kit Plus
- CS-MIC-TABLE-J add on qty 2 tabletop Mic
- CS-T10-WM-K9 Cisco Webex Room Navigator – Wall Mount version

IOT Devices

- IAQ coming from the Webex Room Navigator, No additional IoT IAQ
- Occupancy sensing is coming from the Webex Endpoints and IoT sensor
- Suggested lighting specifications: 220LPW raw, 140LPW delivered
- Each Medium Collaboration room POE lights being powered by 4 ports on the ceiling
- Traditional DC Wall Switch
- No ASHRARE 90.1 outlets
- No individual HVAC control in the space

Non-Cisco peripherals

- Dual 55” Video Displays

External microphones and speakers

- Mic and speakers are embedded in the Webex Endpoints, No additional mic or speakers required

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Commisioning-User Acceptance Testing (UAT) Criteria

Medium Collaboration Room

End User Journeys to be covered under UAT for this space

- [ ] Internet connectivity of Webex device
- [ ] Initiate test calls via Webex Room Navigator – table version and via Webex Assistant voice commands
- [ ] Table top power and data functionality
- [ ] Check for proper facial illumination
- [ ] Validate noise readings are being read from endpoint
- [ ] Validate noise readings are being displayed on Room Navigator and/or endpoint
- [ ] If applicable, verify Webex Room Navigator – Wall Version is operational, not limited to displaying calendar booking information and being able to book room (if configured).

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