

Cisco Public

Smart Building Technology and Hybrid Work Solutions

Hybrid Work Office Design Guides

Medium Collaboration Room – Dual Screen

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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 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.

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

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	✓
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Brainstorming	
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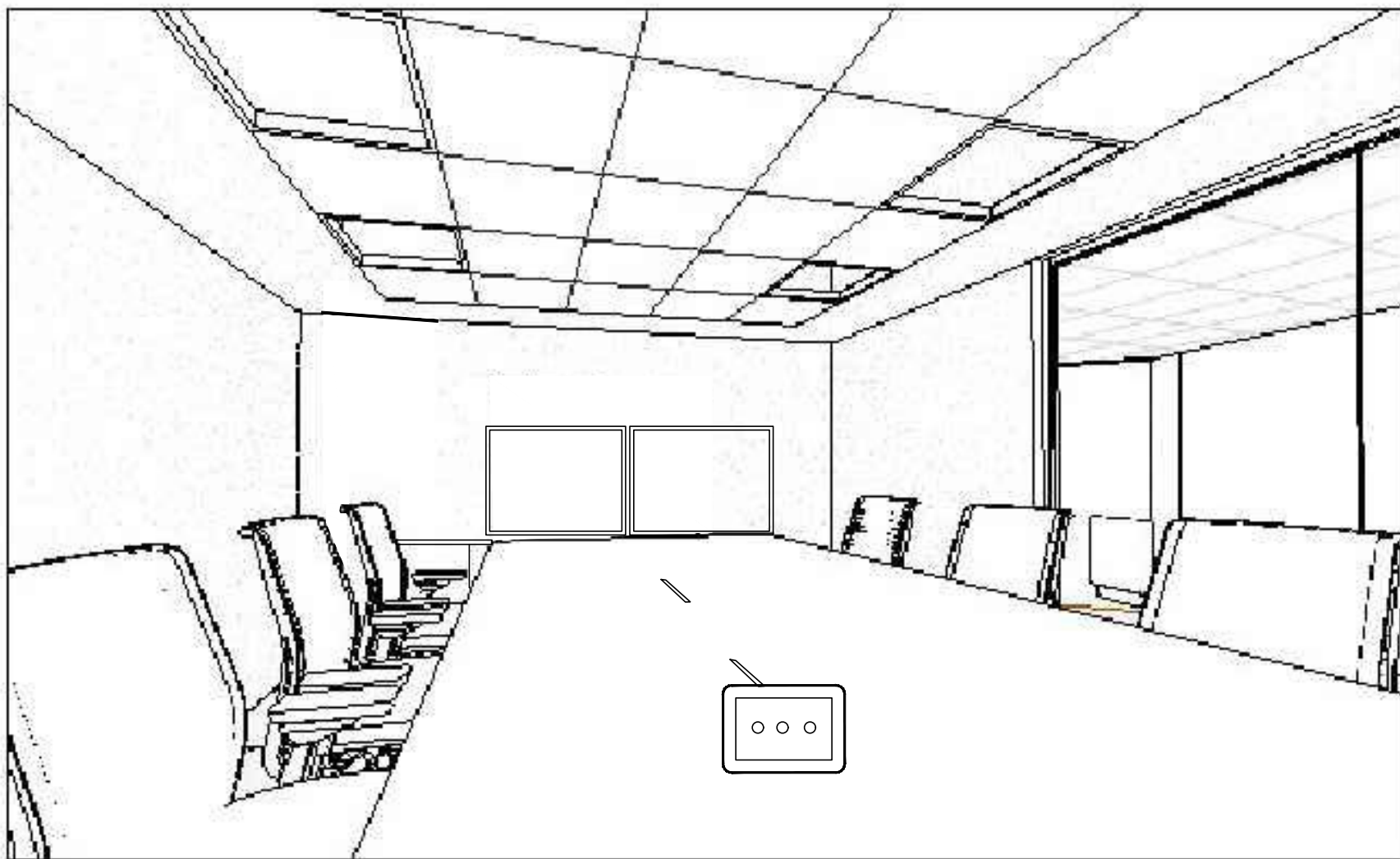
Team Building	
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Decision Making	✓
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Visualization of key Cisco elements

Medium Collaboration Room – Dual Screen



Perspective View



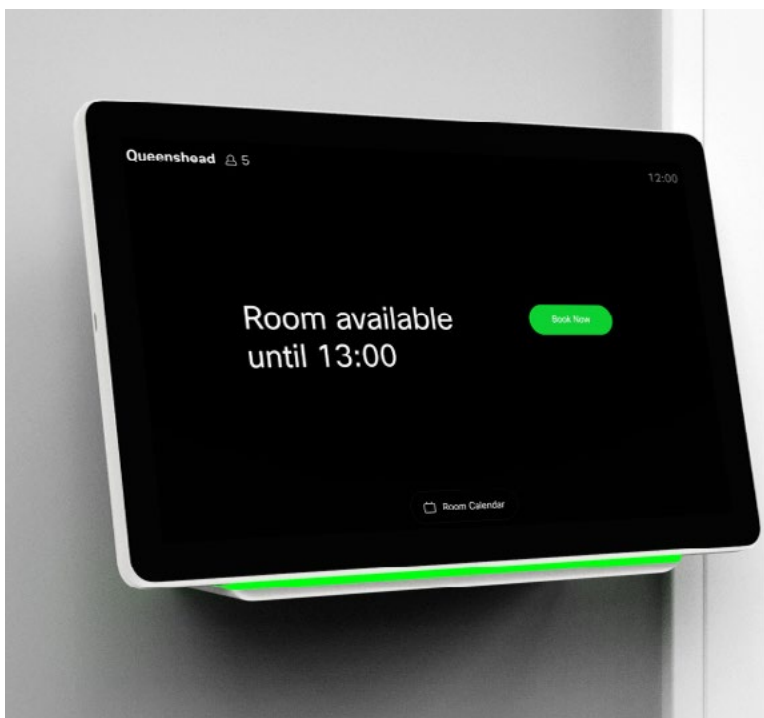
Dual 55” displays
Samsung / LG



Webex Room Kit Plus
& Webex Quad Cam



Cisco Table
Microphones (x 2)



Webex Room Navigator
Wall-mount version

Webex Room Navigator
Table-stand version



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

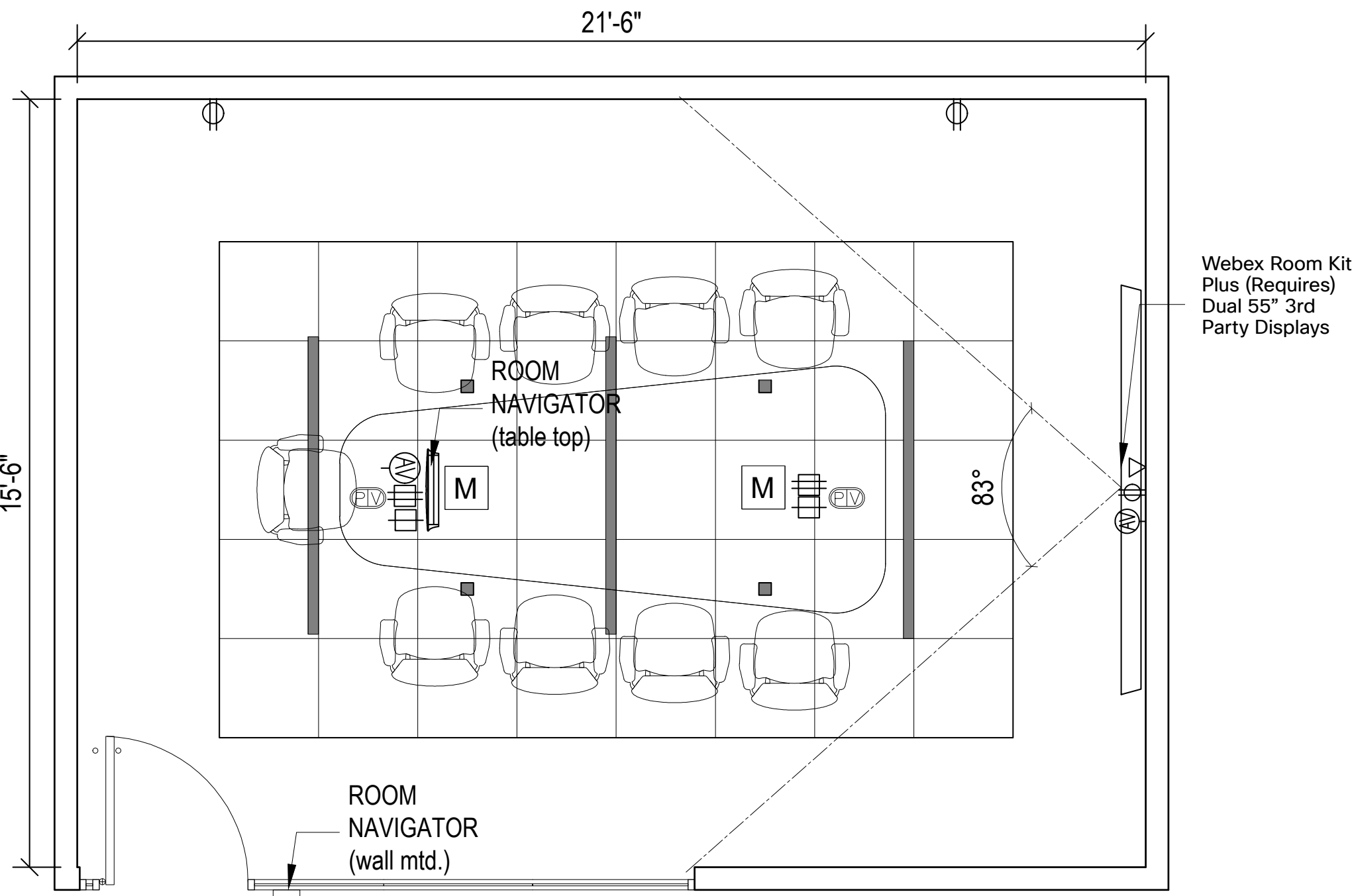
A/V compatible credenza - Freestanding and fully integrated cabinets available from a number of specialized vendors eliminate the requirement for the wall to be blocked and electrical moved. Perfect for new and retrofit installations, allowing for quick and efficient installation.



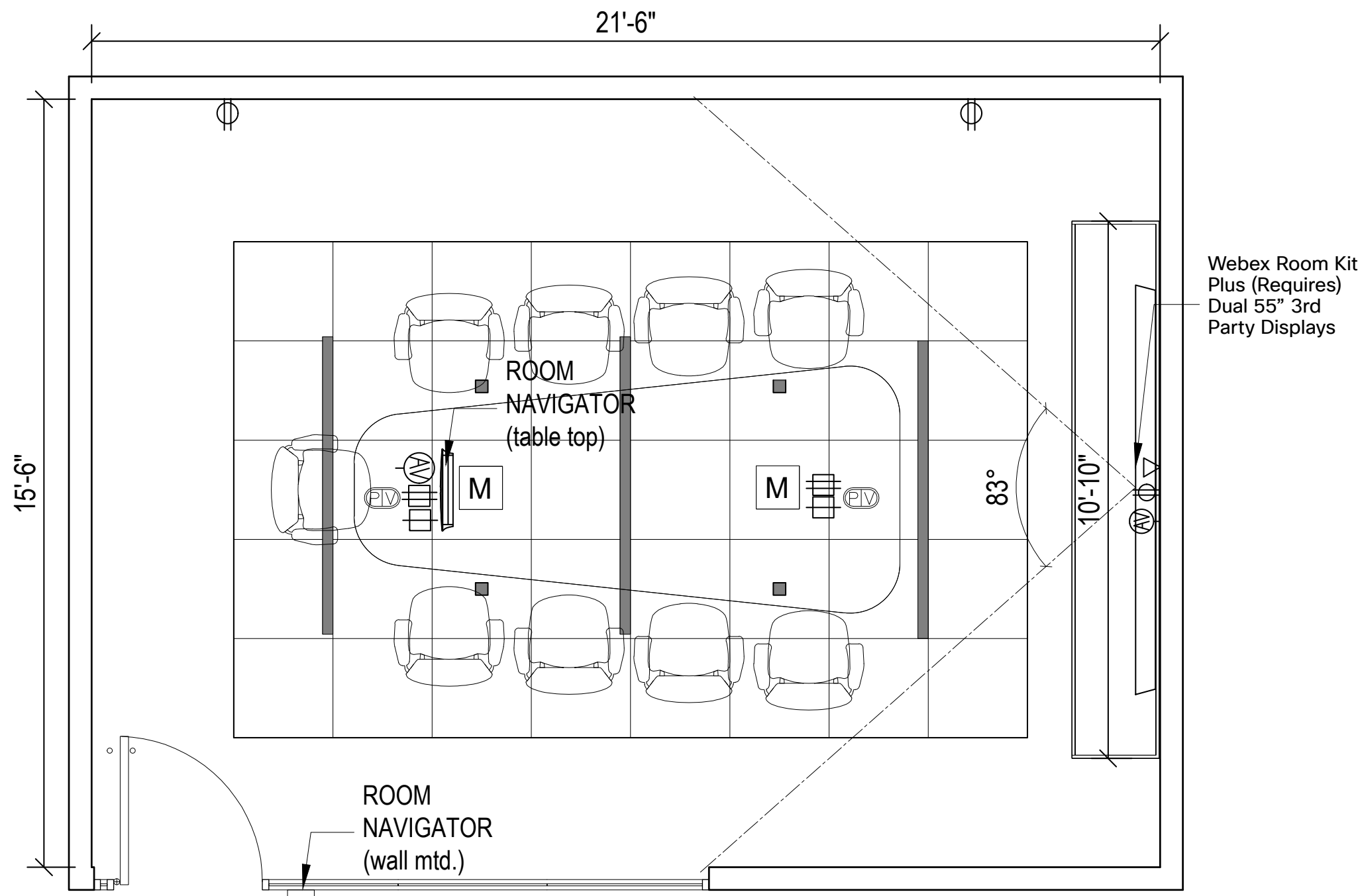
Design Details

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



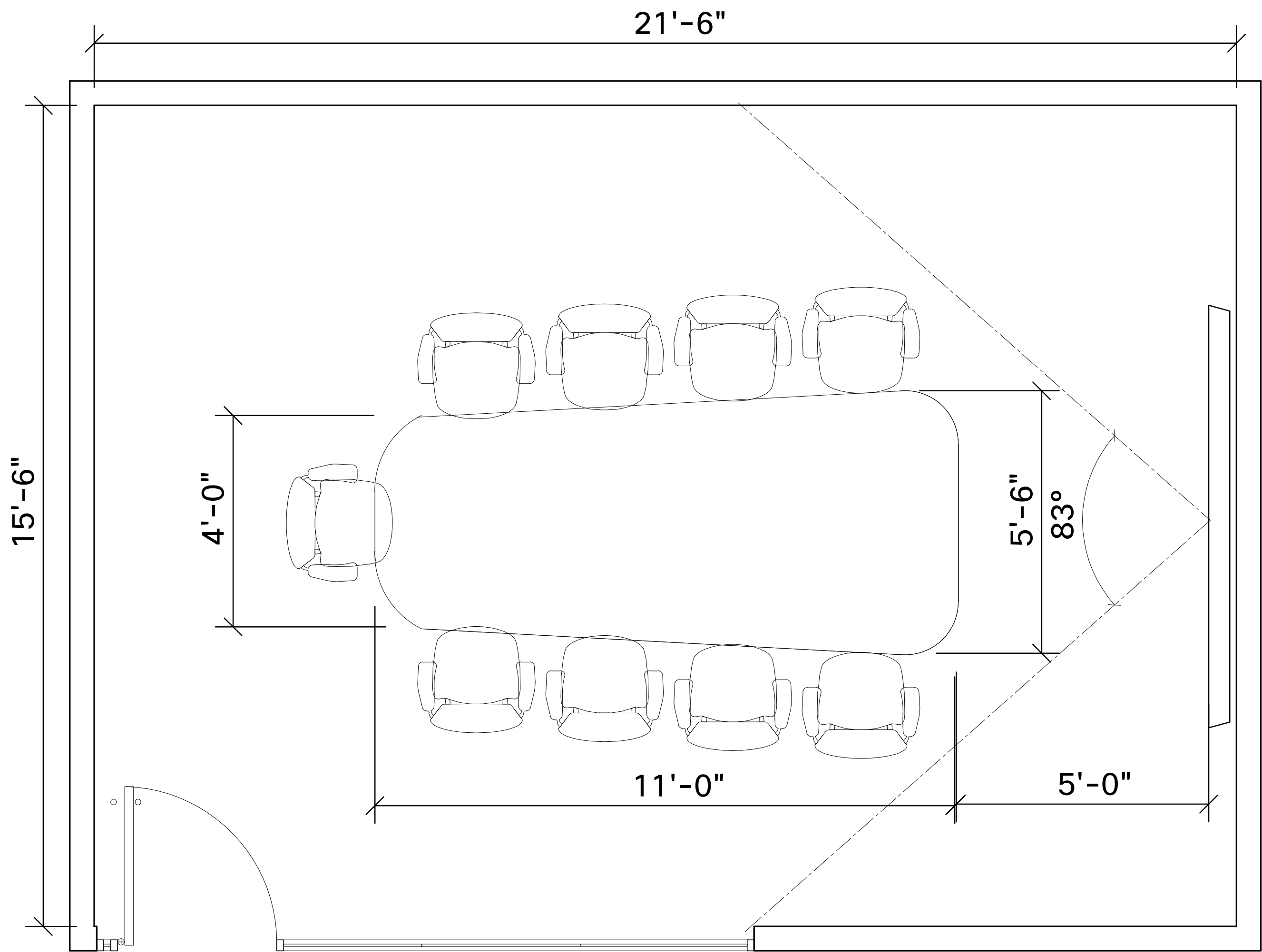
TABLE MOUNTED MICROPHONE



COMBINATION POWER & VOICE / DATA INFEEED

Design Details

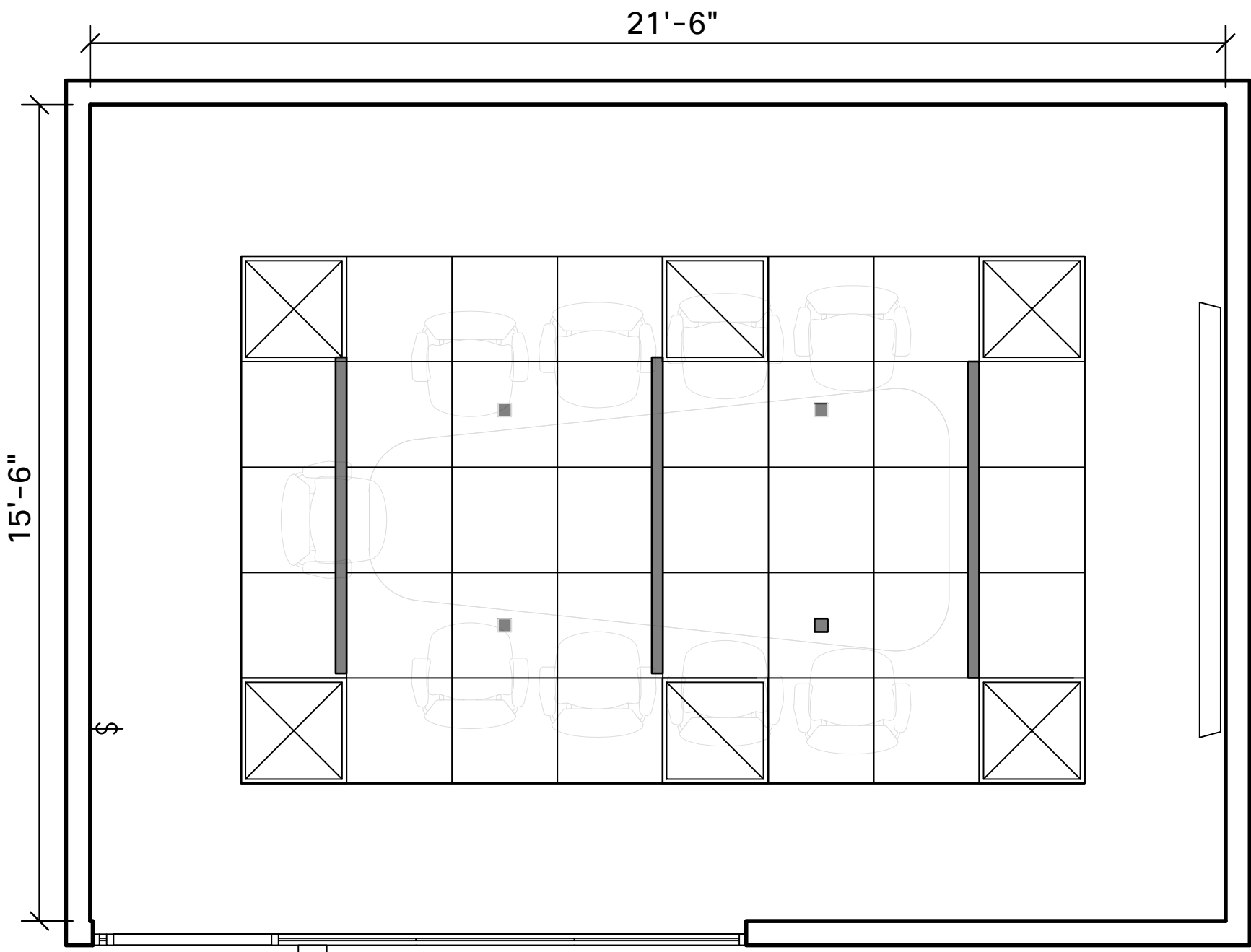
Floor Plan



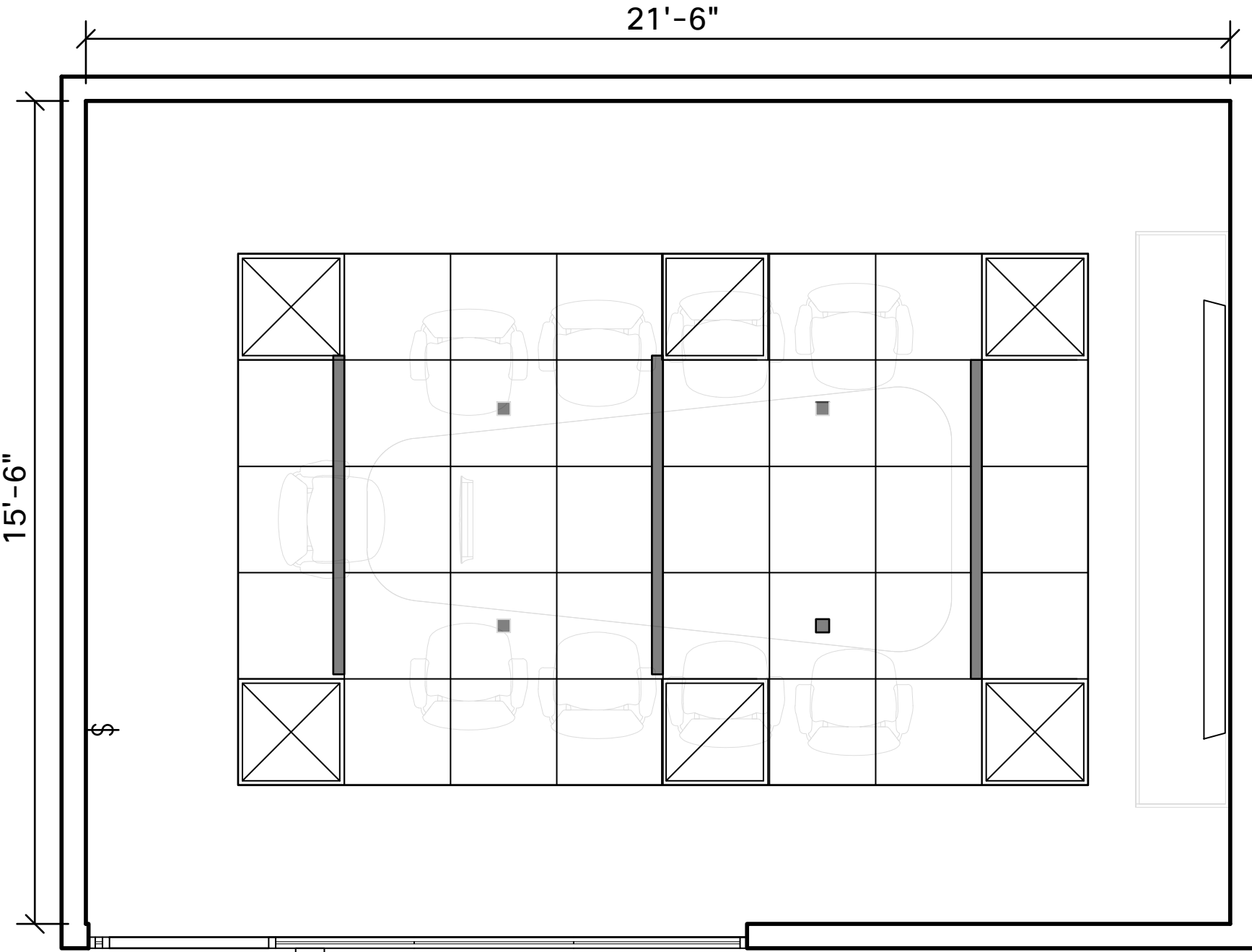
Design Details

Reflective Ceiling Plan

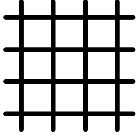
Option 1: Wall Mount




Option 2: Credenza Option



Graphics Symbols




ACOUSTICAL CEILING AND GRID




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

LIGHT FIXTURES




LIGHT FIXTURES

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



TABLE MOUNTED MICROPHONE



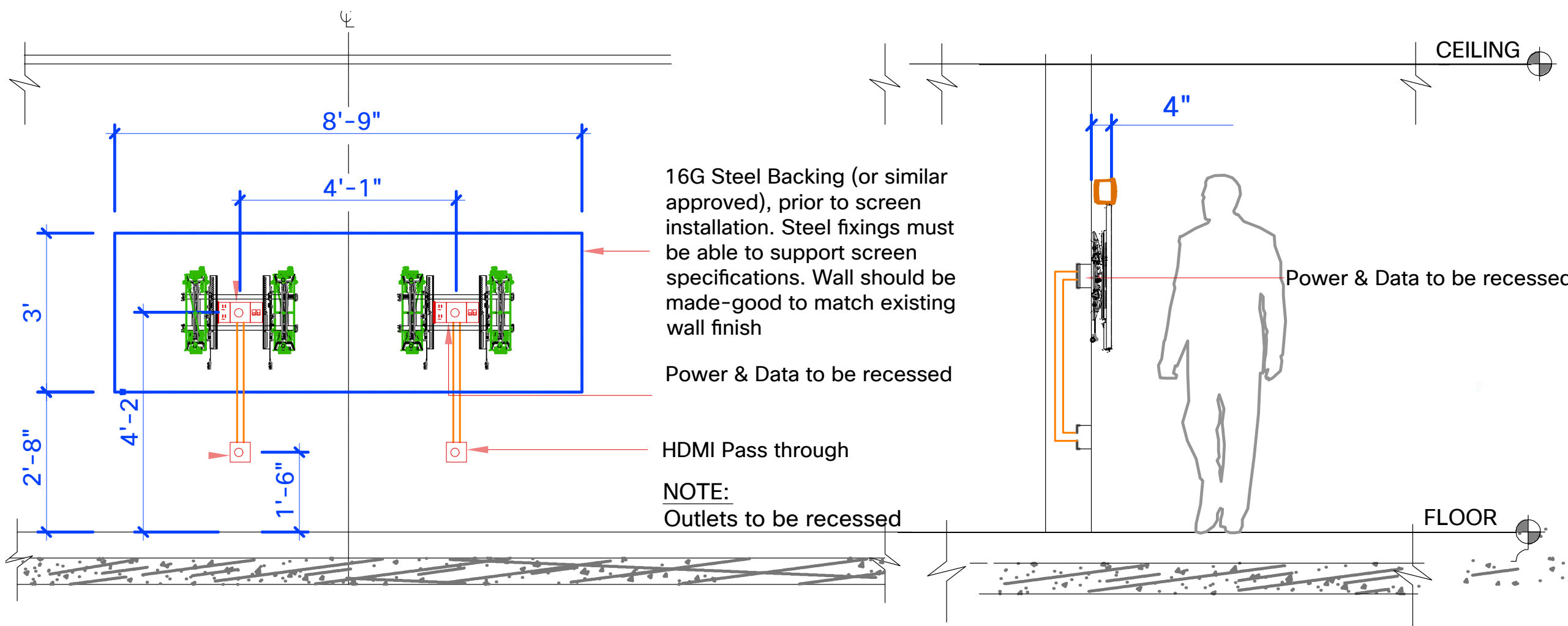
COMBINATION POWER & VOICE / DATA INFEEED

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Medium Collaboration Room Elevations

Wall Mounted Option

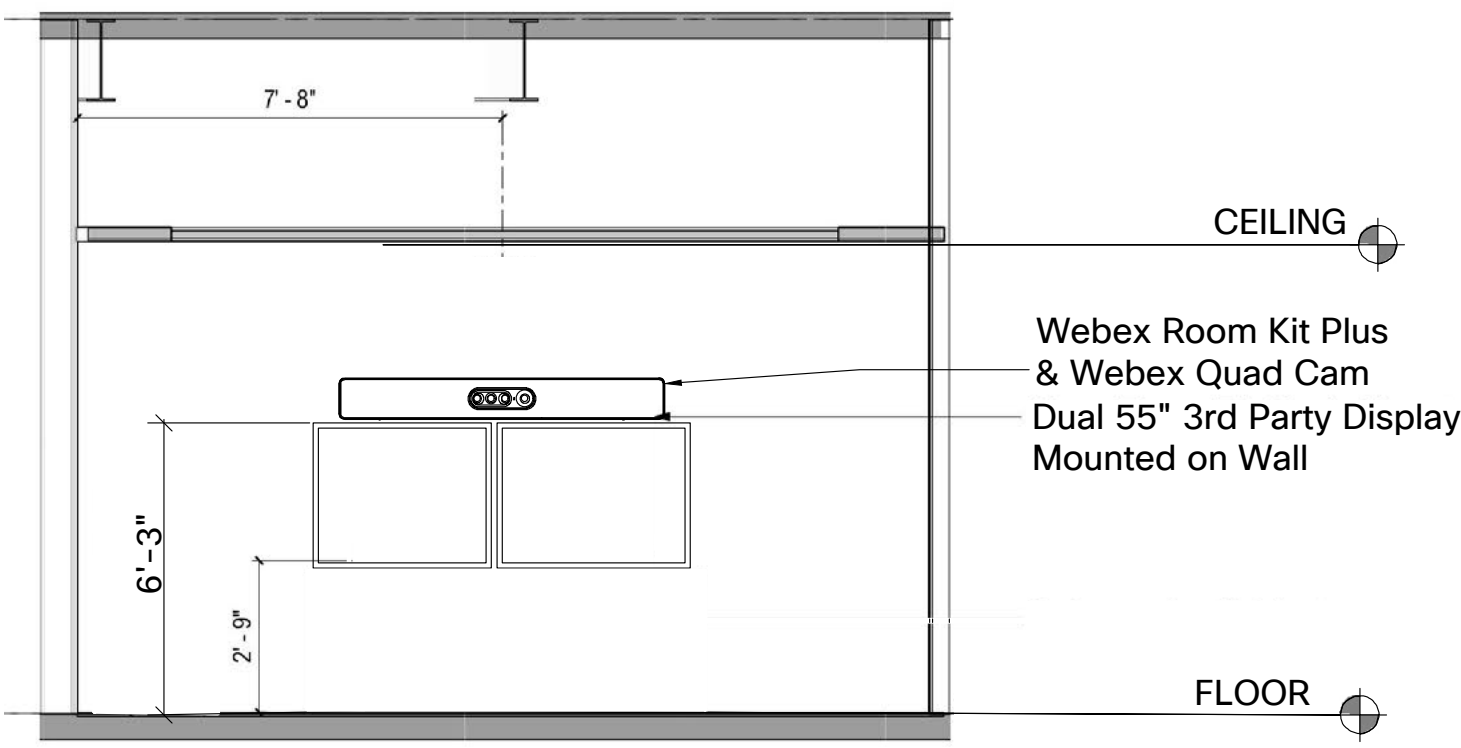
Conduit Elevation



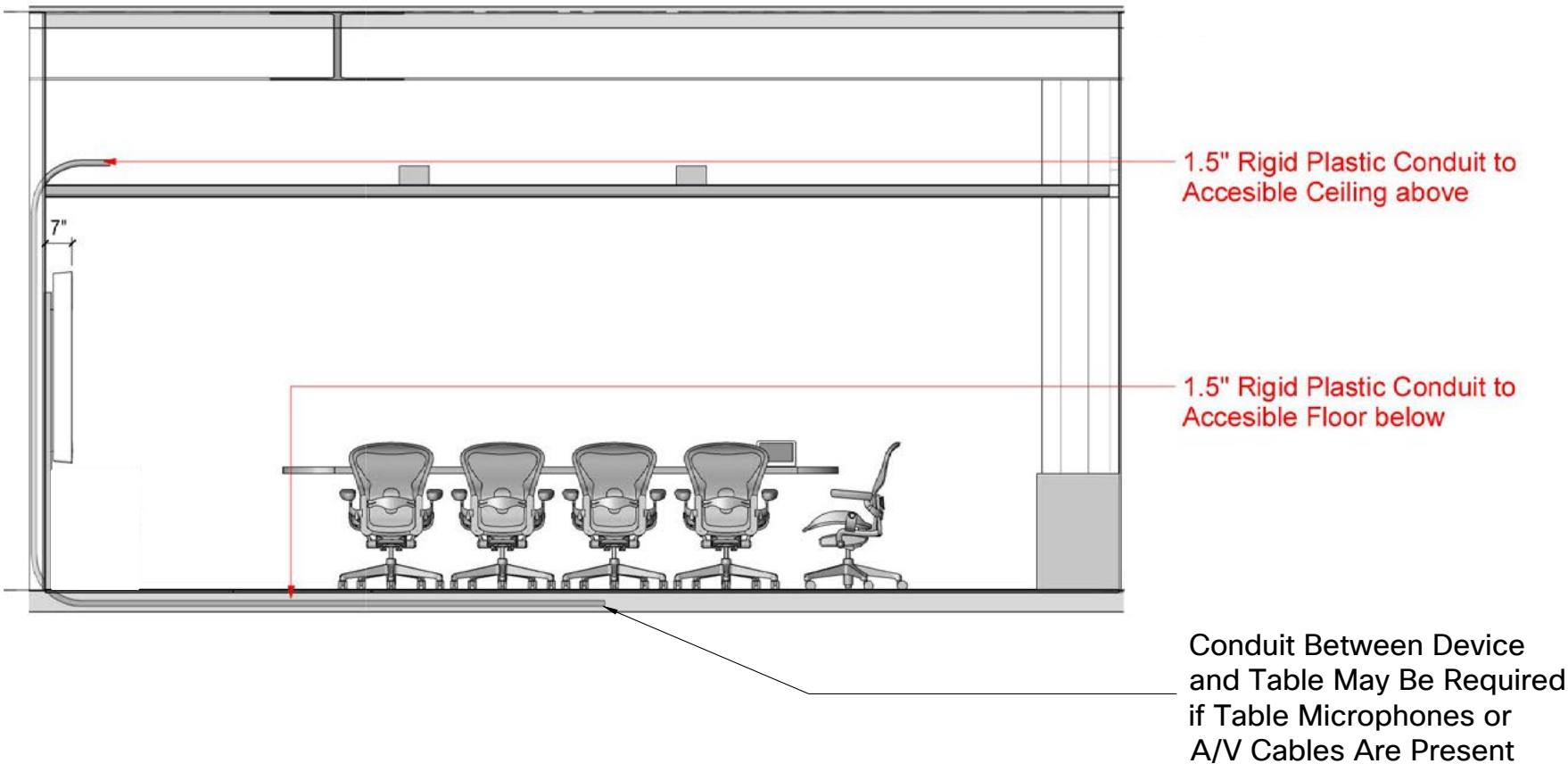
NOTE:
Location of gangboxes (or close to inside wall) dependant on mount design used. Outlets shall be positioned to be hidden from view

Side Elevation

Front Elevation



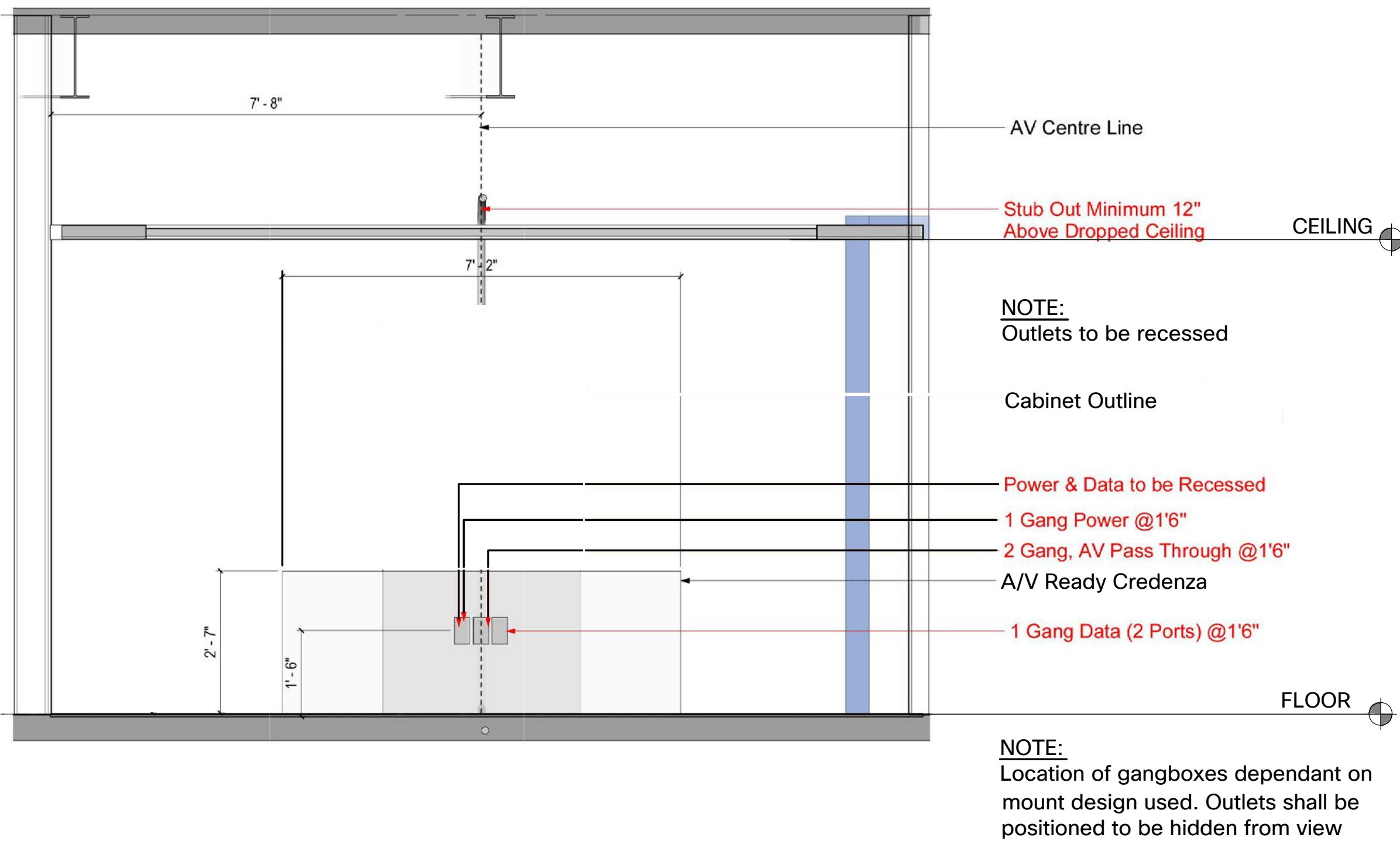
Side Elevation



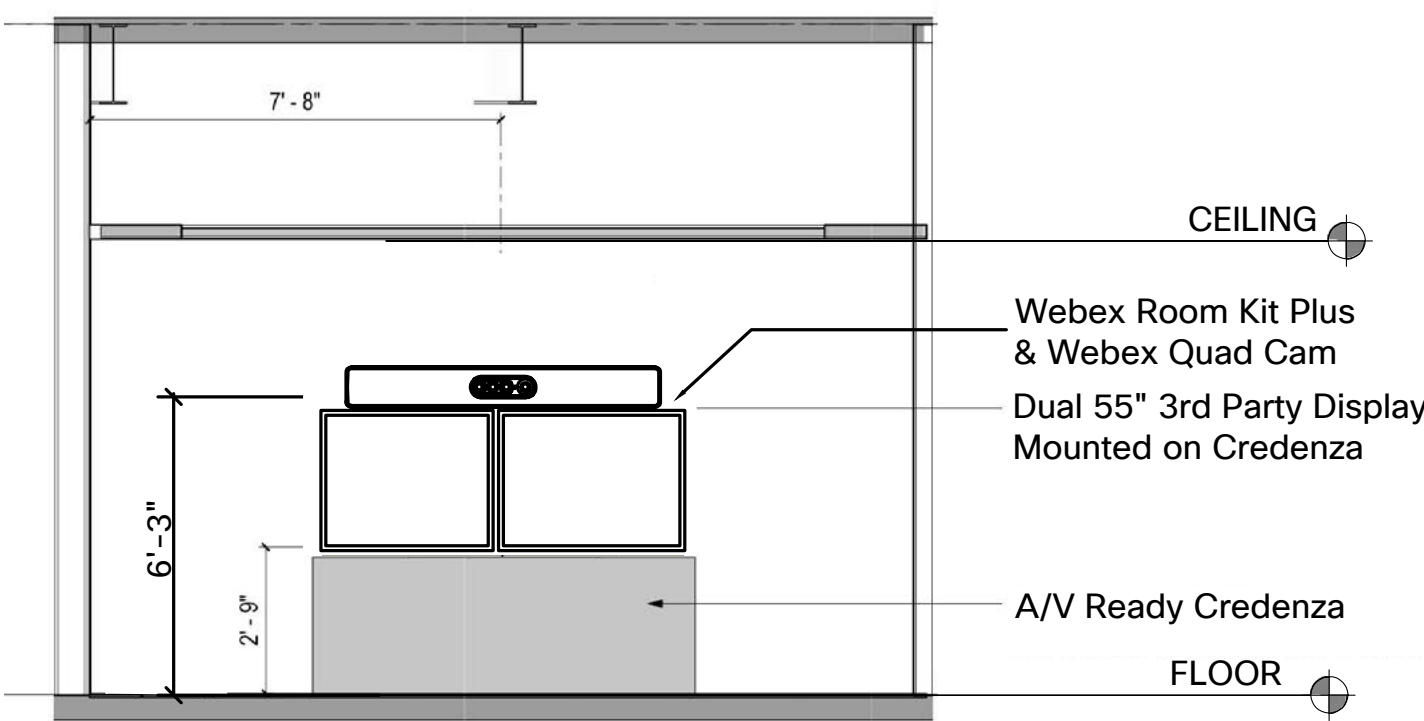
Medium Collaboration Room Elevations

Credenza Option

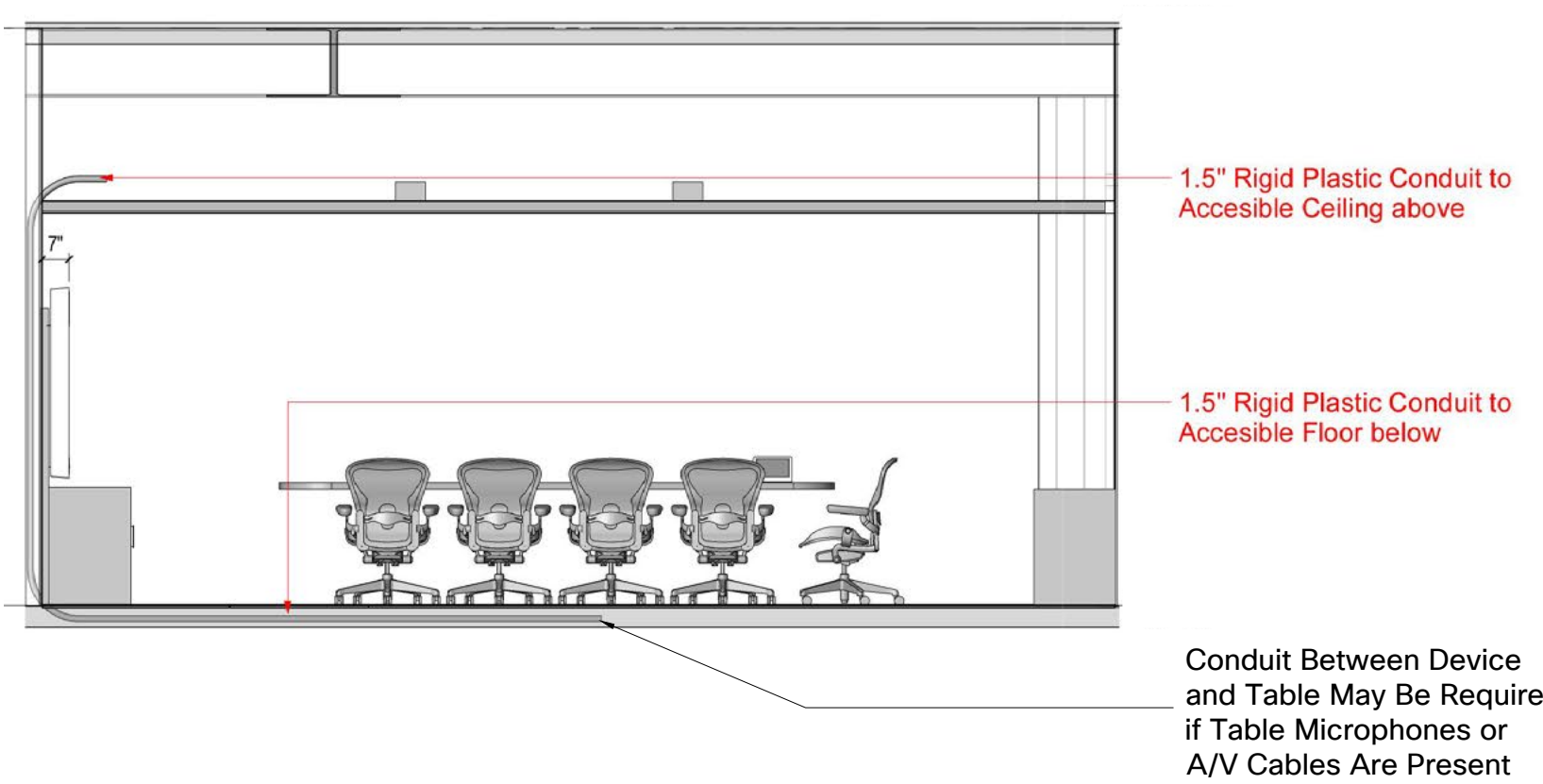
Conduit Elevation



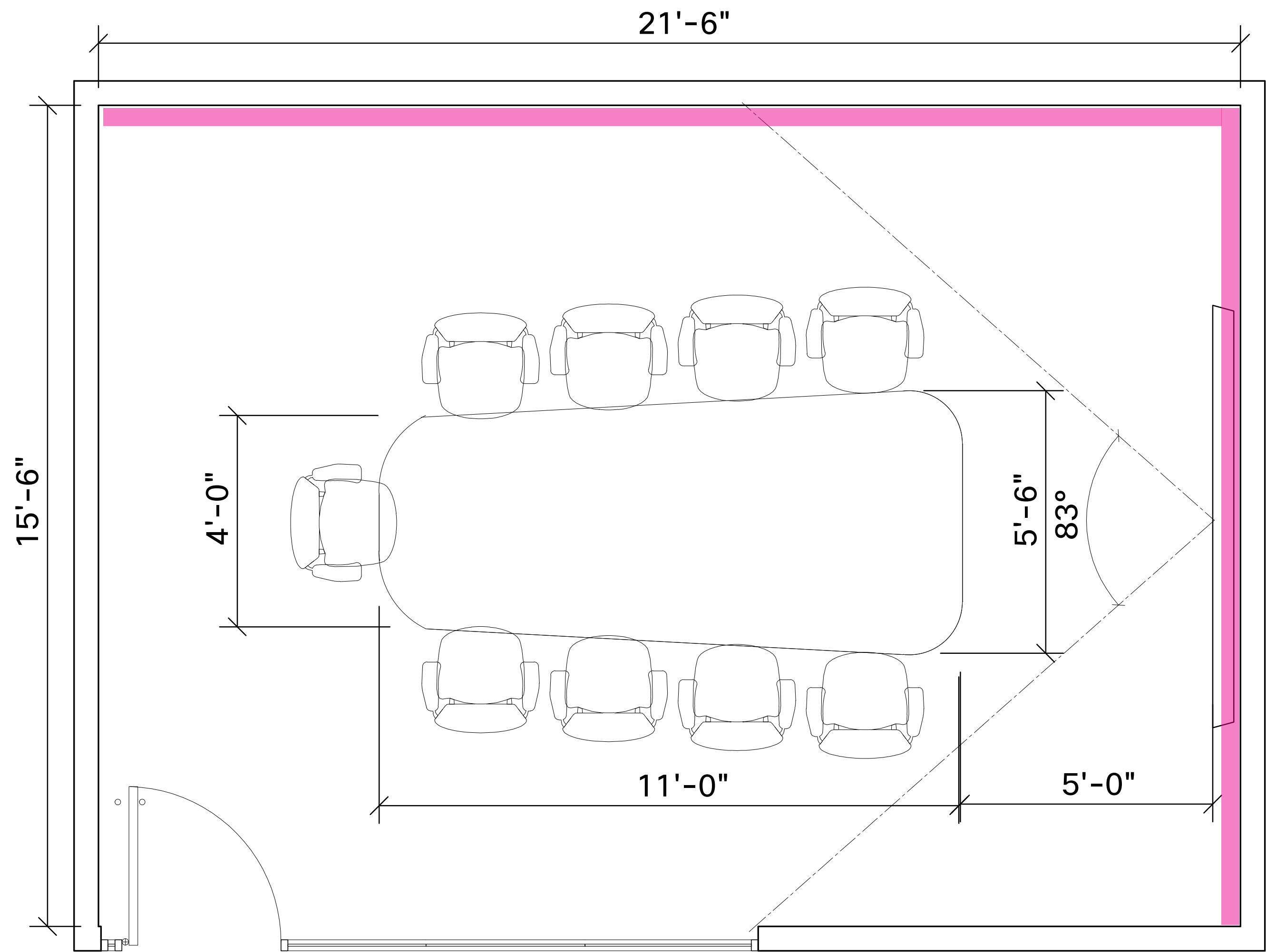
Front Elevation



Side Elevation



Acoustical Treatment



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 & 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.

Exploded IT Diagram

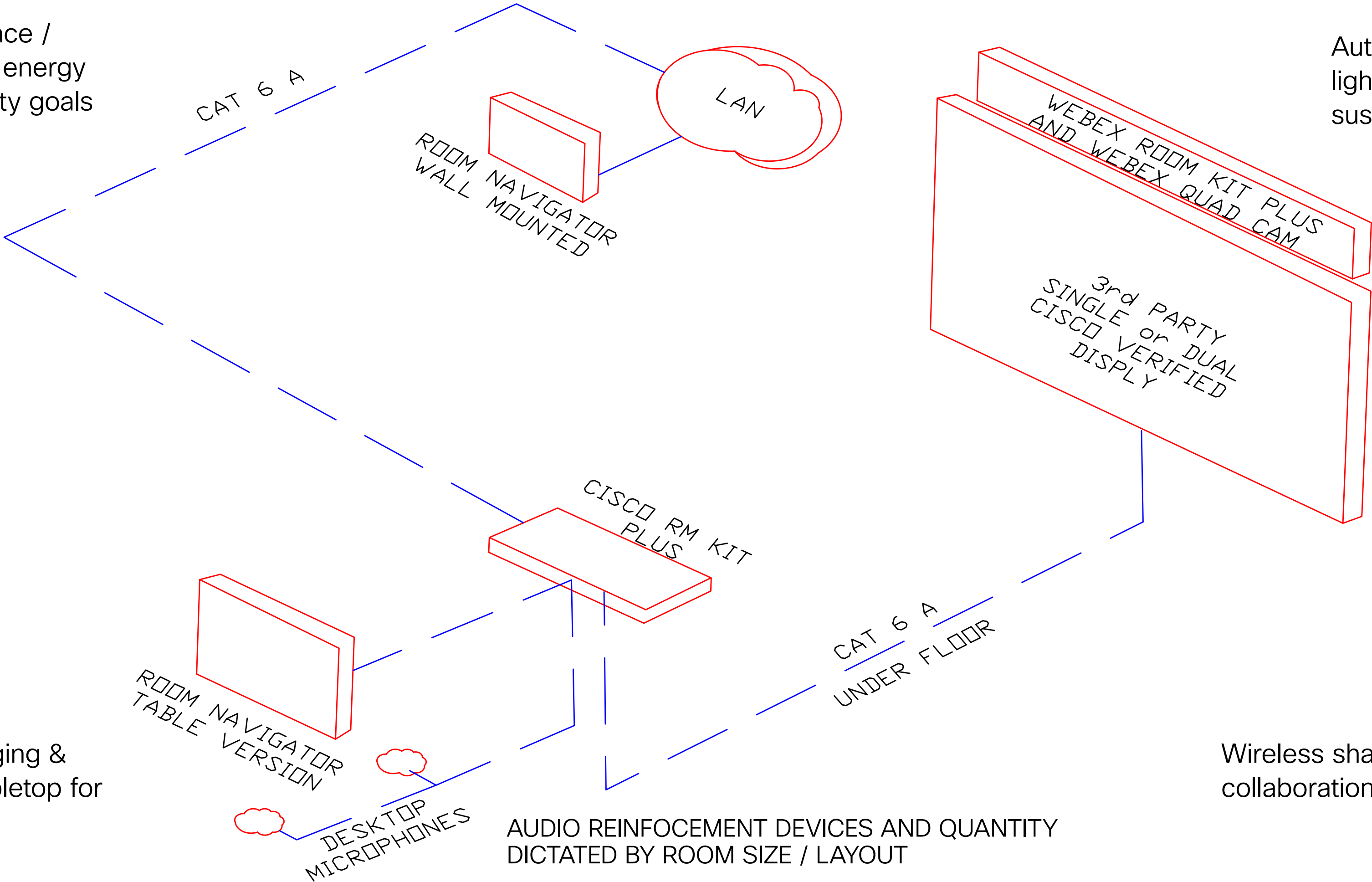
Medium Collaboration Room

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

Automated POE
lighting for LEED &
sustainability goals

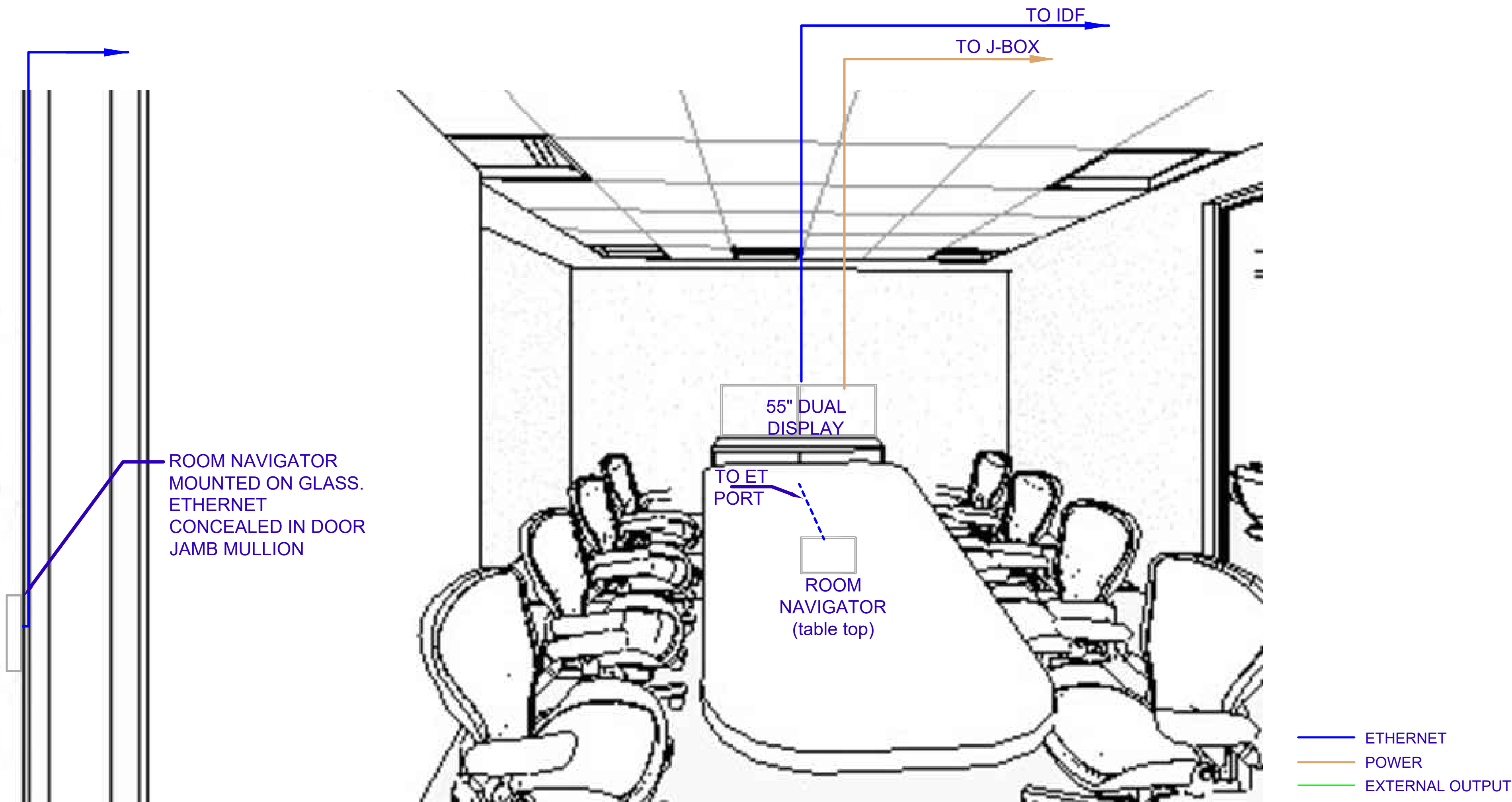
Consideration: USBC charging &
convince outlets on the tabletop for
occupant convenience

Wireless sharing for ease of
collaboration



Connectivity View

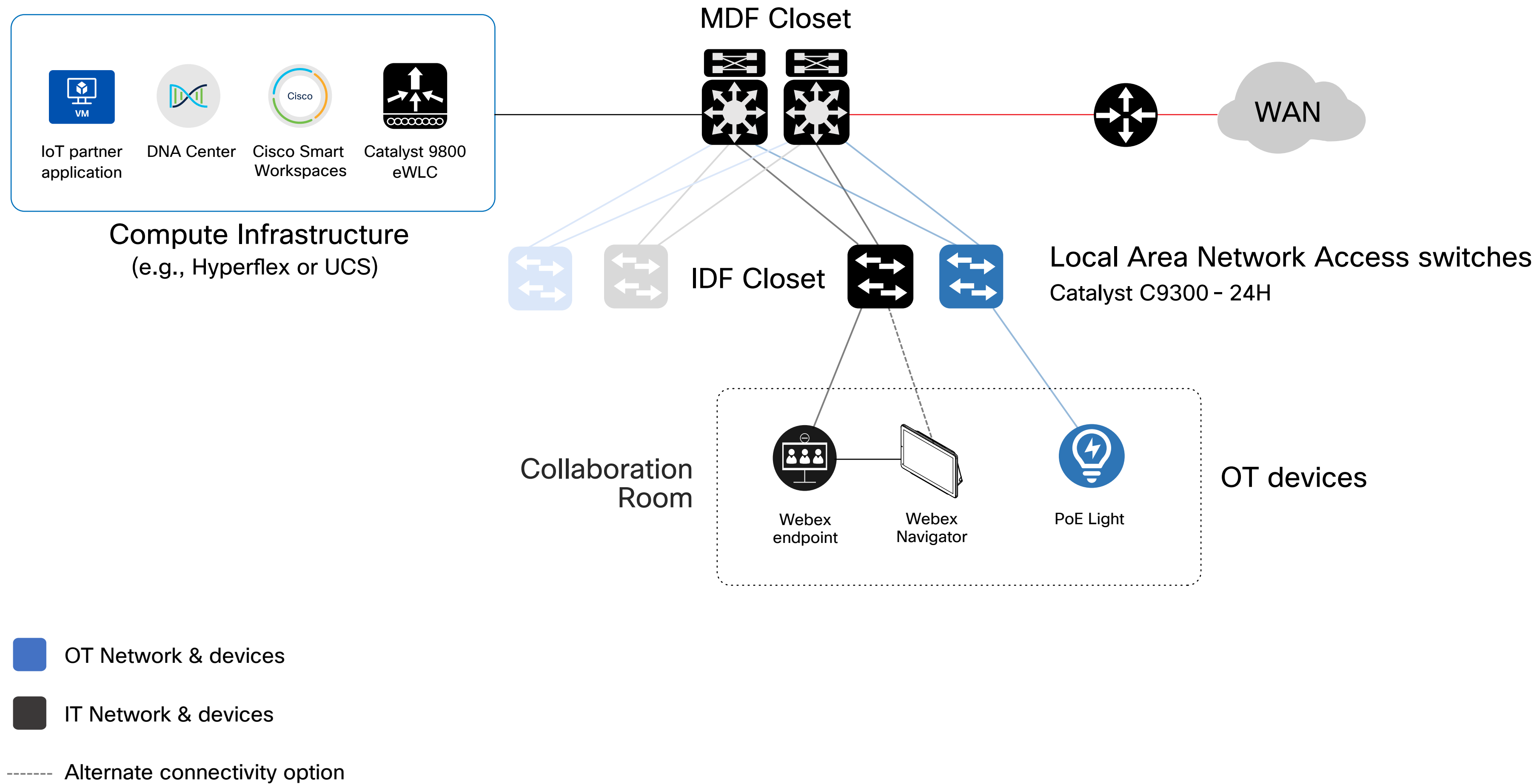
Medium Collaboration Room



IT/OT Reference Architectures

Medium Collaboration Room

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



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

Non-Cisco peripherals

- Dual 55” Video Displays

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 power by 4 ports on the ceiling
- Traditional DC Wall Switch
- No ASHRARE 90.1 outlets
- No individual HVAC control in the space

External microphones and speakers

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

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).



Learn more

Talk to a hybrid work expert >

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