



MX800 Single
with single camera



MX800 Single
with dual camera



MX800 Dual



MX700
with single camera



MX700
with dual camera

Cisco TelePresence MX700 and MX800 Wall Mount

Room preparation guide

This document discusses how to prepare the room before you start to install the wall-mounted version of Cisco TelePresence MX700 and MX800.

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Requirements for the wall and mounting hardware

Follow local regulations

The wall-mounted system must be installed by qualified personnel, in accordance with state and local regulations for buildings and electrical installations.

Safety precaution

The systems power switch must be available at all times, because it serves as the main disconnect device. The power switch is located at the left side of the unit, behind the side cover.

System weight

MX700

- Weight (single camera): 161 kg / 355 lb
- Weight (dual camera): 167 kg / 368 lb

Due to the size and mass of this product, we recommend three people working together to mount the system.

MX800 Single

- Weight (single camera): 110 kg / 242 lb
- Weight (dual camera): 116 kg / 256 lb

Due to the size and mass of this product, we recommend four people working together to mount the system.

MX800 Dual

- Weight: 224 kg / 494 lb

Due to the size and mass of this product, we recommend four people working together to mount the system.

Requirements for the wall

Due to the size and weight of the MX700/MX800 systems, it is important that the wall's structure is able to support the weight of the system, with a good margin.

The **lower wall bracket** holds the total weight of the system, and the focus is mainly on this bracket when speaking about how much load the wall must support.

Calculating the load per mounting point

In order to calculate the load per mounting point for the **lower wall bracket**, you may want to use a safety factor. This safety factor depends on the wall's structure and the state and local building regulations. As a general rule of thumb, a safety factor of four (4) can be used.

Calculating the load per mounting point:

- $\text{Weight of the system [kg]} \times \text{Safety factor} / \text{Number of mounting points} = \text{Kilograms per mounting point}$

Convert to Newton per mounting point:

- $\text{Kilograms per mounting point} \times 9.81 \text{ m/s}^2 = \text{Newton per mounting point}$

If you determine that the load per mounting point is too high for the wall, you should consider adding more mounting points or to reinforce the wall.

Requirements for the mounting hardware

The mounting hardware (screws and bolts) used for wall-mounting must be able to safely support the product.

The screw dimension supported by the wall bracket is 5 mm / 0.20 in. Mounting hardware is not provided.

Place mounting points at the studs in the wall

The studs in the wall are normally spaced evenly, but that is not necessarily the case in all buildings. Place the mounting points at the studs.

The mounting points must hit a minimum number of studs:

- For MX700, the mounting points must hit a minimum of three studs
- For MX800 Single, the mounting points must hit a minimum of two studs
- For MX800 Dual, the mounting points must hit a minimum of four studs

Recommended number of mounting points

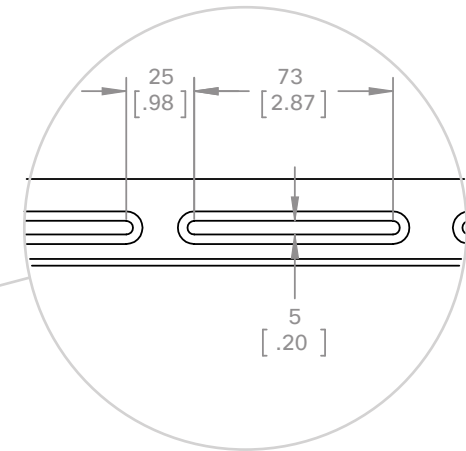
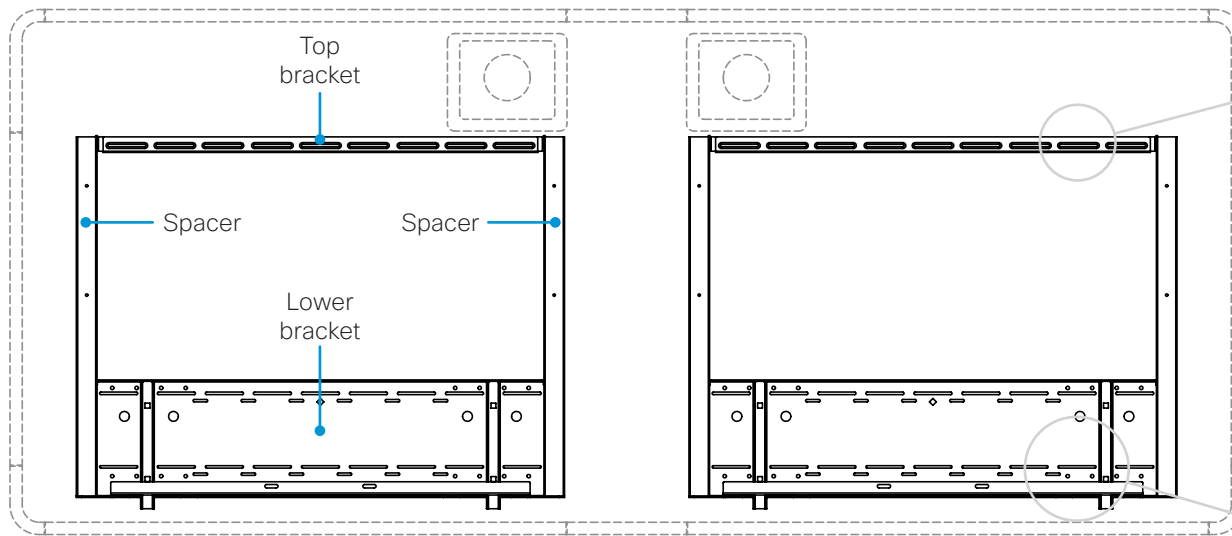
More mounting points than mentioned below can be used.

- The **lower wall bracket** holds the total weight of the monitor. We recommend that you use a minimum of four mounting points for each lower bracket. Locate the studs in the wall and align the mounting points to the studs.
- The **top wall bracket** secures that the top of the monitor is held in place and prevents the monitor from tipping forward. We recommend that you use a minimum of two mounting points for each top bracket.
- The **left spacer** and **right spacer** ensures that the space between the top and lower bracket is correct. We recommend that you use two mounting points for each spacer.

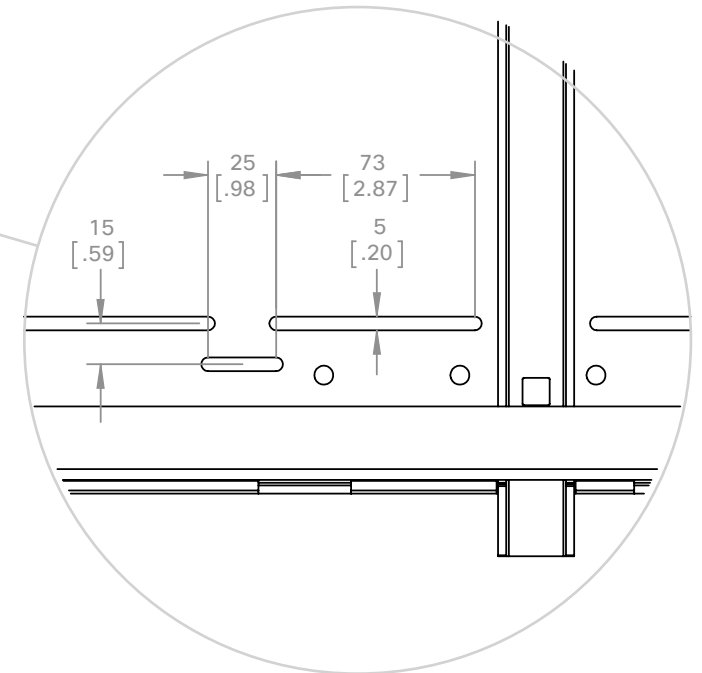
Screw dimensions for the wall bracket

The screw dimension for the wall bracket is 5 mm / 0.20 in. The screw dimension is equal for MX700 and MX800. The size of the wall brackets for MX700 and MX800 are not equal.

The illustration shows the wall brackets with an MX700.



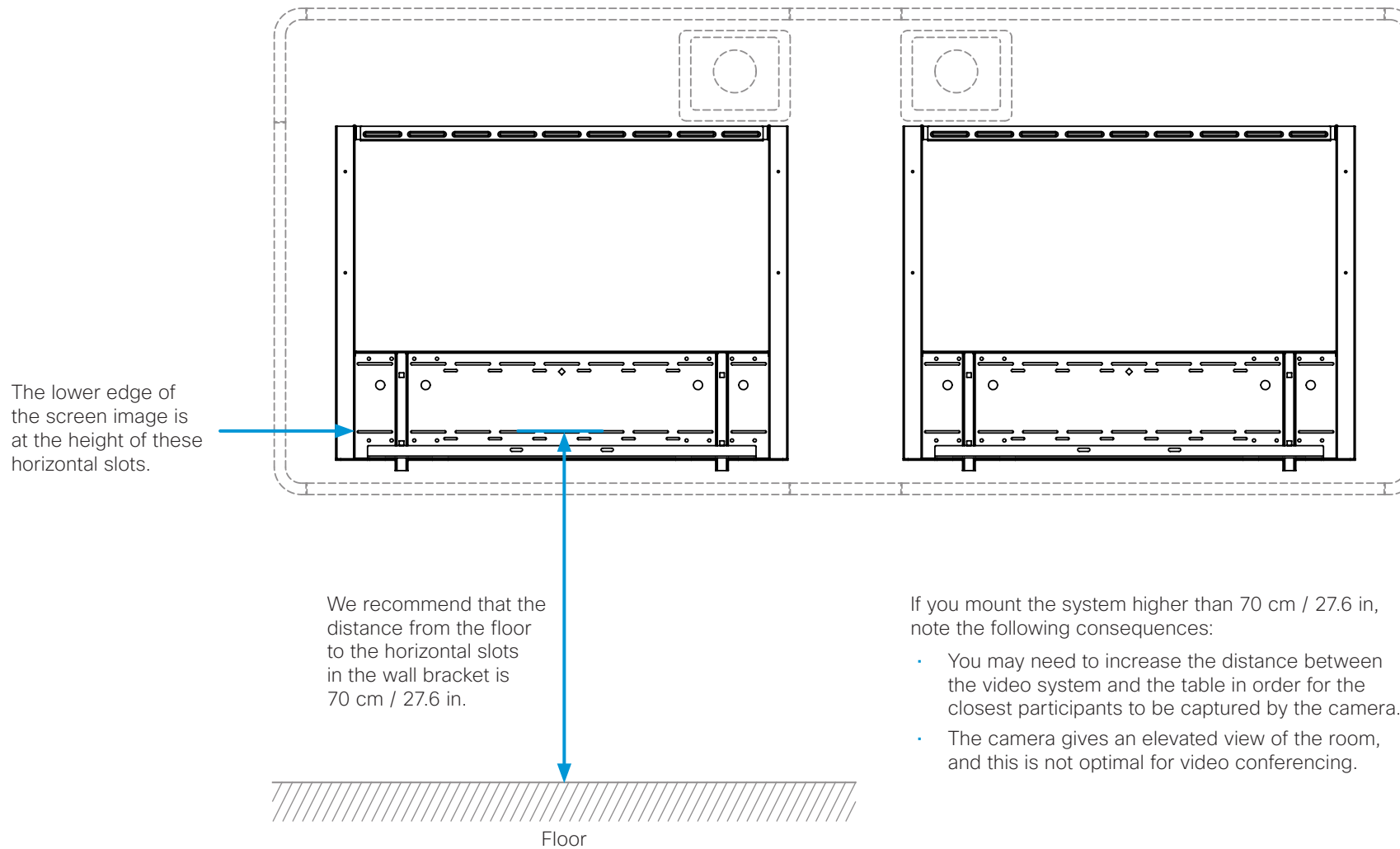
Top bracket dimensions



Lower bracket dimensions

Planning the mounting height

The recommended mounting height, measured from the floor to the horizontal slots in the wall bracket (see illustration), is the same for MX700 and MX800. The illustration shows the wall brackets with an MX700.



If you mount the system higher than 70 cm / 27.6 in, note the following consequences:

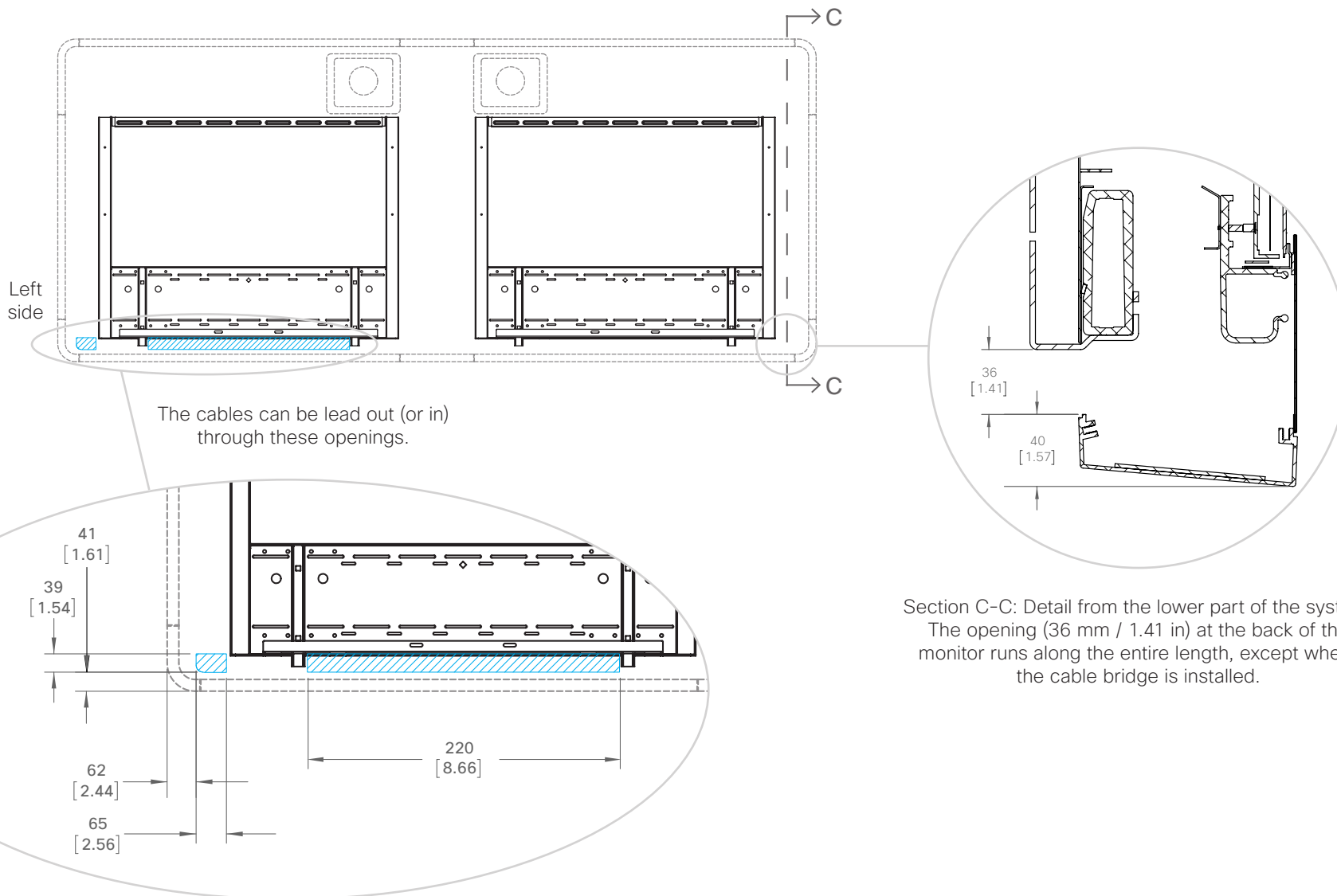
- You may need to increase the distance between the video system and the table in order for the closest participants to be captured by the camera.
- The camera gives an elevated view of the room, and this is not optimal for video conferencing.

Planning the cable placement for MX700 with single or dual camera

The illustration shows an MX700 with dual camera. The same dimensions apply to the single camera version.

Safety precaution

The systems power switch must be available at all times, because it serves as the main disconnect device. The power switch is located at the left side of the unit, behind the side cover.

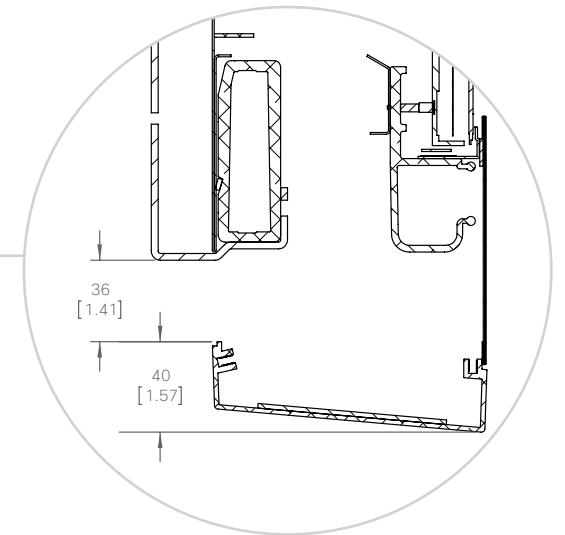
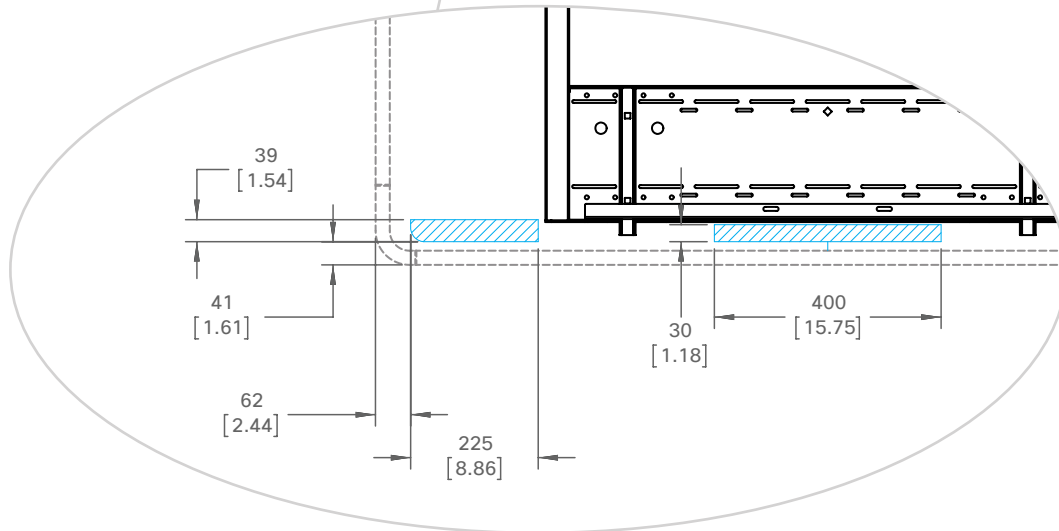
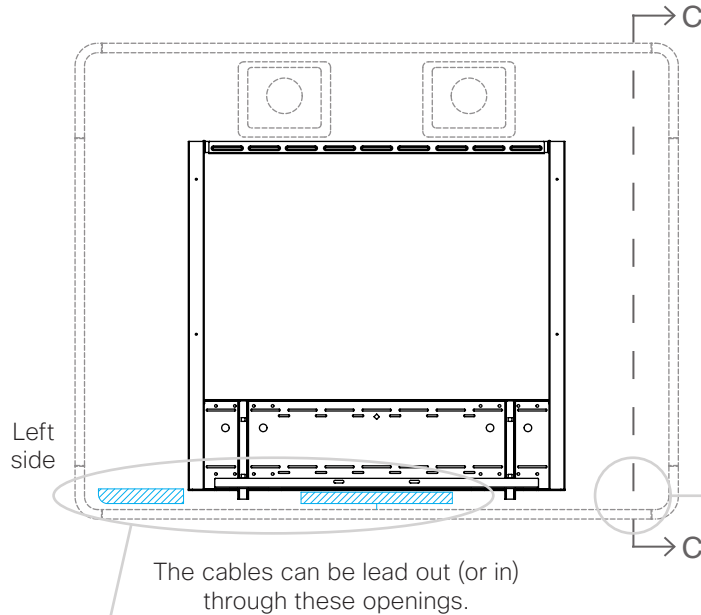


Planning the cable placement for MX800 Single with single or dual camera

The illustration shows an MX800 Single monitor with dual camera. The same dimensions apply to the single camera version.

Safety precaution

The systems power switch must be available at all times, because it serves as the main disconnect device. The power switch is located at the left side of the unit, behind the side cover.

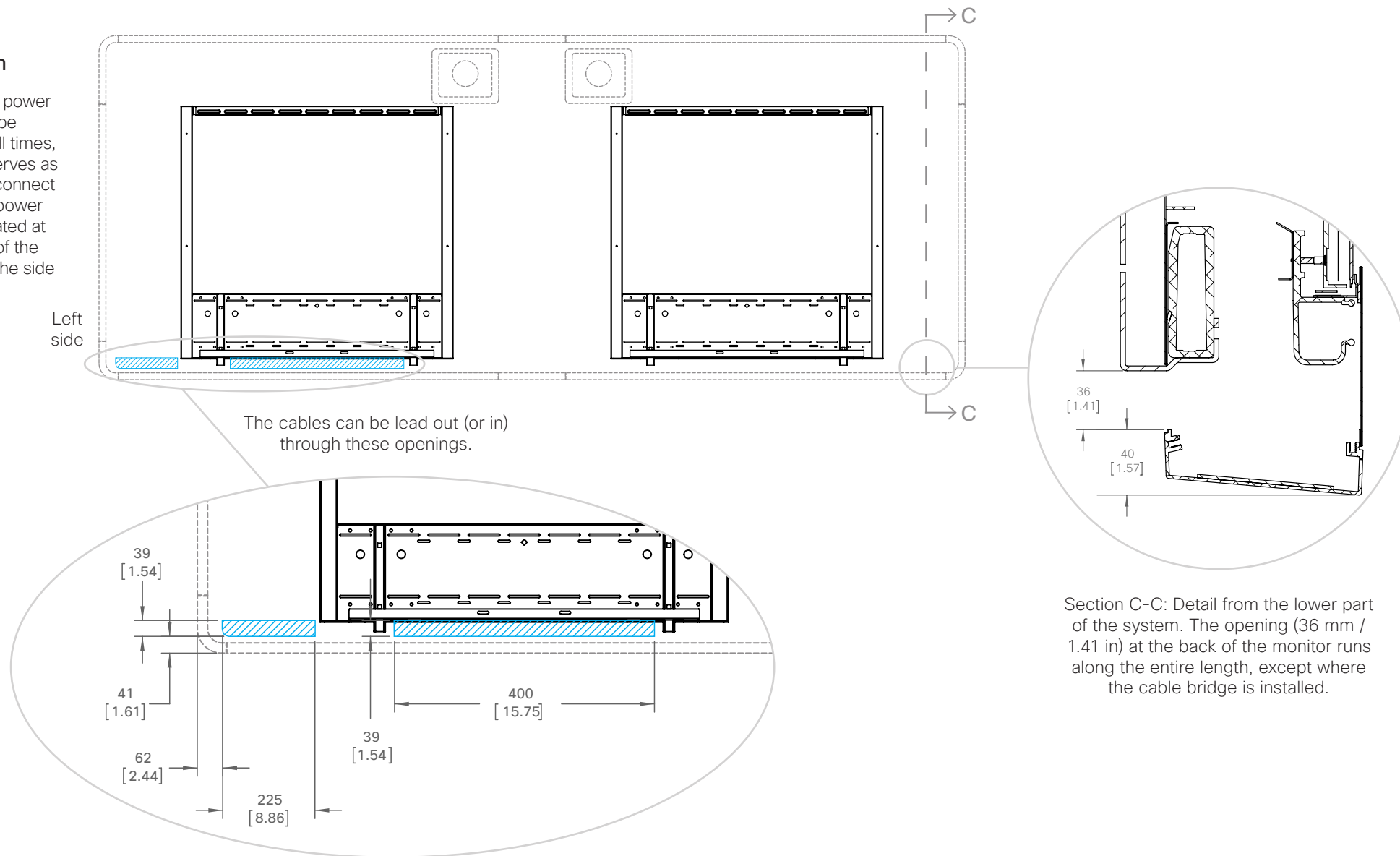


Section C-C: Detail from the lower part of the system. The opening (36 mm / 1.41 in) at the back of the monitor runs along the entire length, except where the cable bridge is installed.

Planning the cable placement for MX800 Dual

Safety precaution

The systems power switch must be available at all times, because it serves as the main disconnect device. The power switch is located at the left side of the unit, behind the side cover.



Left side

The cables can be lead out (or in) through these openings.

Section C-C: Detail from the lower part of the system. The opening (36 mm / 1.41 in) at the back of the monitor runs along the entire length, except where the cable bridge is installed.

More resources

User documentation for the MX series

User documentation for the MX series is found here:

<http://www.cisco.com/go/mx-docs>

2D CAD drawings with dimensions for MX700 and MX800

A set of 2D CAD drawings with dimensions for the MX series is found here:

<http://www.cisco.com/c/en/us/support/collaboration-endpoints/telepresence-mx-series/products-technical-reference-list.html>

Explore Project Workplace

Project Workplace can help you design and implement video enabled work spaces to improve collaboration:

<http://projectworkplace.cisco.com/#/>

Best Practices Guide

Download the Best Practices For Creating Effective Video-Enabled Rooms:

<http://www.cisco.com/c/dam/assets/sol/tp/project-workplace/index.html#/page/download>

Design Zone for Collaboration

Learn about the preferred architecture and system design for deploying Cisco Collaboration technology in the enterprise:

<http://www.cisco.com/c/en/us/solutions/enterprise/design-zone-collaboration/index.html>