Extron

Cable Cubby F55 • Installation Guide

This guide provides instructions for an experienced technician to install and connect the Extron Cable Cubby F55.

The Cable Cubby F55 is a lift-up cable access, furniture mountable enclosure for AV connectivity, remote control, and power. The lid lifts up to expose the connectivity interface at a comfortable and ergonomic angle. When closed, the Cable Cubby is nearly flush with the table surface.

Planning the Installation

Check with local and state regulations before starting the installation

- Ensure that the planned installation complies with national and local building and electrical codes.
- Ensure that the planned installation complies with the Americans with Disabilities Act or other accessibility requirements.

Check All Parts and Equipment

- Ensure that all parts are present in each kit.
- Ensure that necessary tools and equipment are available for the installation.
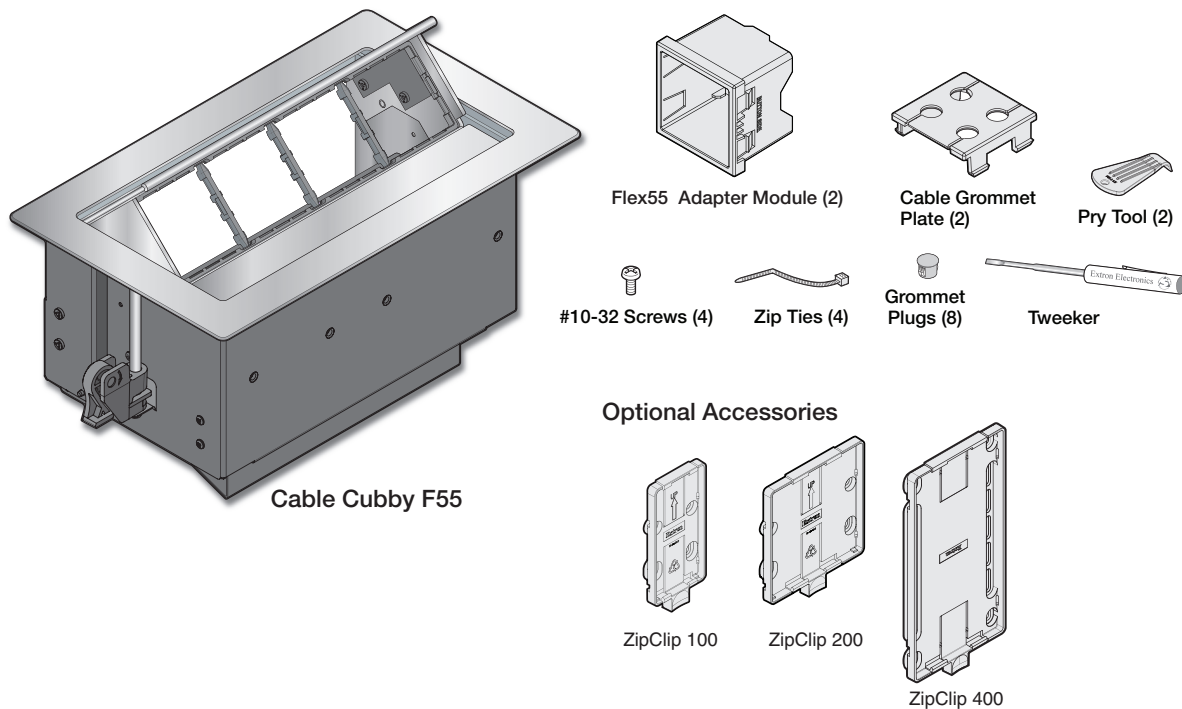
Kit contents

Cable Cubby F55

Flex55 Adapter Module (2)

Cable Grommet Plate (2)

Pry Tool (2)

#10-32 Screws (4)

Zip Ties (4)

Grommet Plugs (8)

Tweeker

Optional Accessories

ZipClip 100

ZipClip 200

ZipClip 400

Figure 1. **Cable Cubby F55 Kit Contents**

Application diagram

The application diagram below shows a power, data, and video wiring setup from a laptop to a conference monitor.
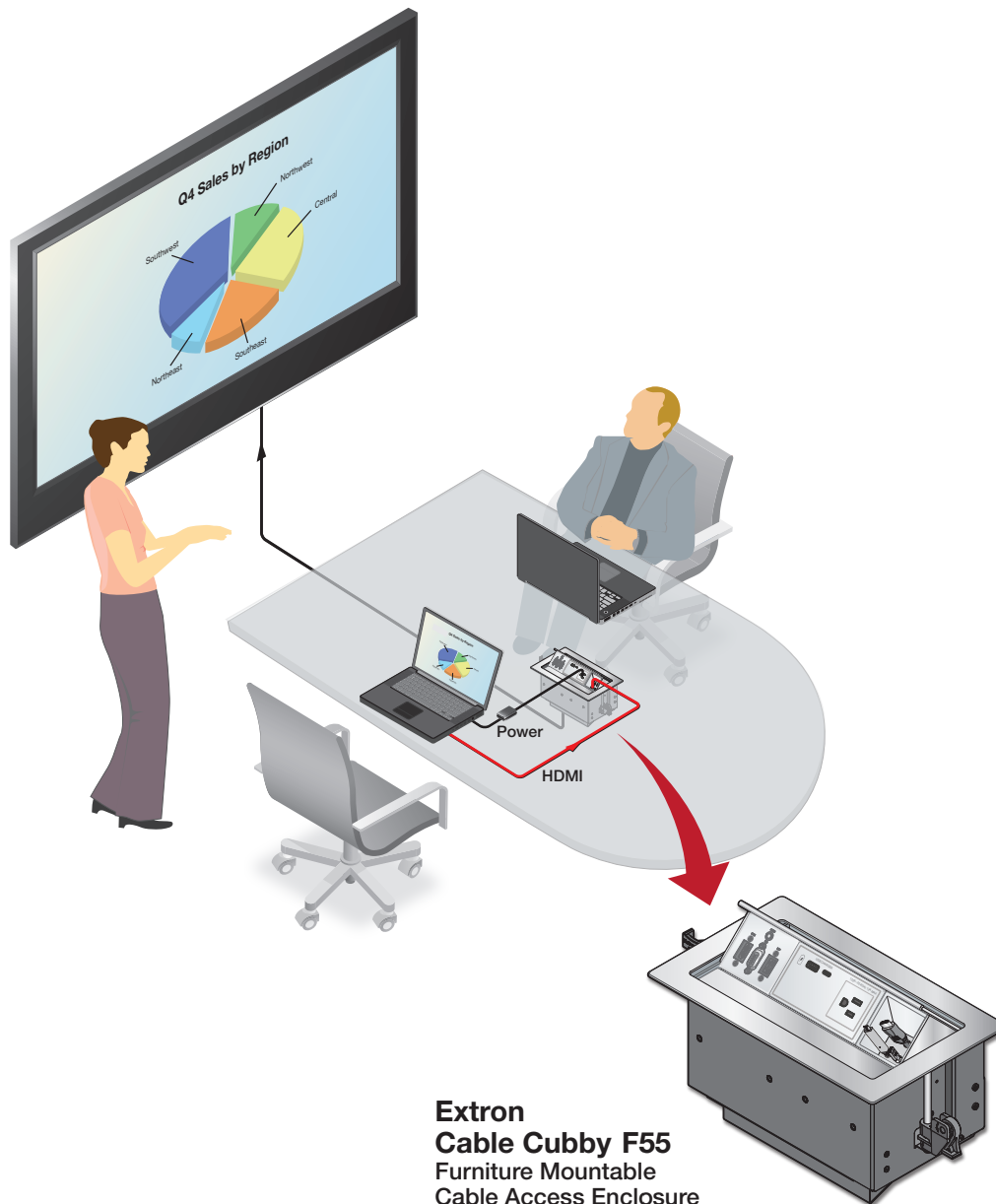

Extron
Cable Cubby F55
Furniture Mountable
Cable Access Enclosure

Preparing the Table

Determine the Best Location for the Enclosure

- Ensure that the location where the Cable Cubby is to be installed is convenient for as many users as possible.
- Ensure that the edge on which the lid opens is oriented correctly.
- Ensure that there is ample space under the table for cables. Allow at least 36 inches of cable loop for each cable (see **Routing and Managing Cables** on page 8).

> **CAUTION:** The flanged edges of the top of the surface enclosure are sharp. These edges are also soft and may be easily nicked or bent. Exercise caution when handling the enclosure to prevent personal injury or damage to the enclosure.
>
> **ATTENTION :** Les extrémités à brides du haut de la surface du boîtier sont aiguisées. Ces extrémités sont aussi lisses et peuvent facilement être coupées ou pliées. Soyez prudents lorsque vous manipulez le boîtier afin d'éviter de l'endommager ou de vous blesser.

Cut a Hole in the Table

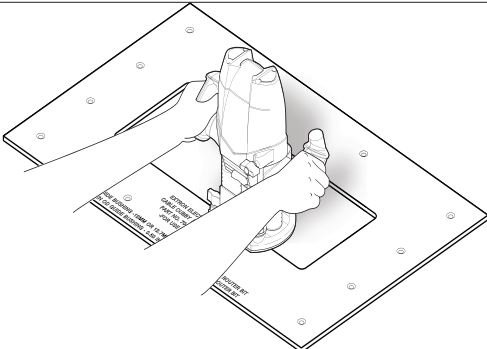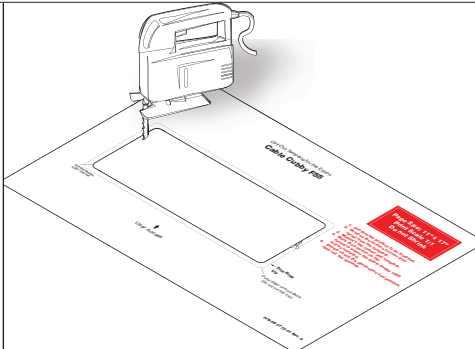Read the following information **before** making a cut in the table.

> **CAUTION:** Wear safety glasses when operating power equipment. Failure to comply can result in eye injury.
>
> **ATTENTION :** Portez des lunettes de sécurité lorsque vous utilisez l'équipement électrique. Ne pas respecter cela peut conduire à une blessure à l'oeil.

> **ATTENTION:**   The opening in the table for the Cable Cubby should be cut only by licensed and bonded craftspeople. Exercise care to prevent scarring or damaging the furniture.
>
> **ATTENTION :**   L'ouverture dans la table pour le Cable Cubby devrait être coupée seulement par des artisans autorisés et qualifiés. Faites attention à ne pas faire de marques sur le meuble et à ne pas l'endommager.

1.   Choose one of the following methods for cutting the hole:

Hand Router and Routing Template	Jigsaw and Paper Cut-Out Template	CNC Wood Router
		If using a CNC wood router or other precise machinery, use the exact cut-out dimensions (see the table below).
Go to **www.extron.com** for routing template part numbers and instructions.	Dimensions and cut-out templates are available online at **www.extron.com**.	

	Cut-out Dimensions	
	User Access Width	Side Dimension
Cable Cubby F55	10.50" (267 mm)	6.00" (152 mm)

2.   Measure and cut the hole in the surface where the enclosure will be installed.

## Installing the Modules into the Cable Cubby F55 Enclosure

The Cable Cubby F55 enclosure supports Flex55 and EU modules, which can be installed in a variety of combinations. These modules can be installed either before or after the Cable Cubby F55 installation, in any slot of the enclosure. Determine where the connectivity modules and power module will be installed in the enclosure.

> **NOTE:**   For a complete and up-to-date list of compatible modules, see the product page at **www.extron.com**.

Figure 3 shows the process for removing the supports in order to install a double-size module, such as the Flex55 AC+USB 130 US Power Module, into the Cable Cubby F55 enclosure. Half- and full-size modules can be snapped into the enclosure without removing the supports (❶).

❶ For a double-size module installation, use pliers to carefully twist the desired support back and forth until loose, and remove.

> **NOTE:** Removal of a bridge support is irreversible.
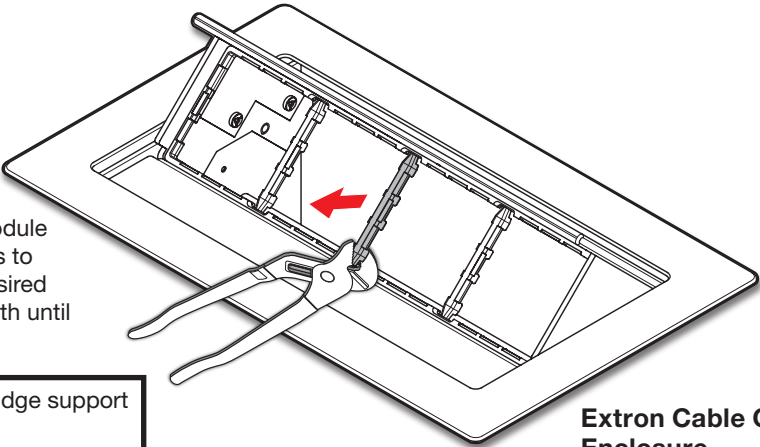
Extron Cable Cubby F55 Enclosure

Figure 3.   **Removing a Support for a Double-sized Flex55 Module Installation**   3

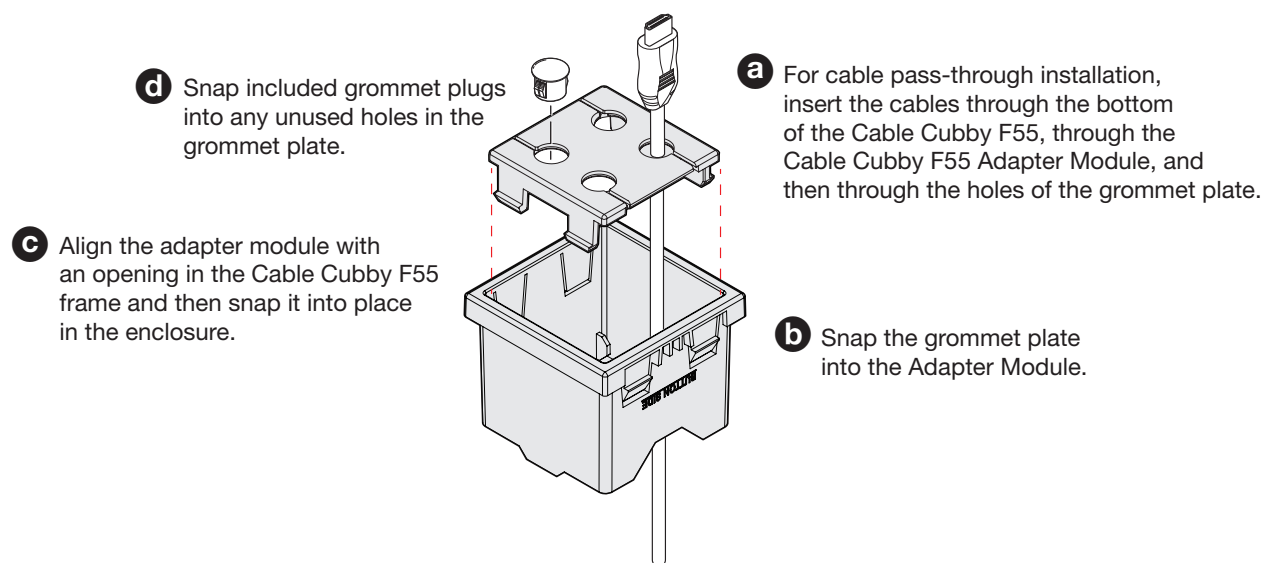**2** Install the cable grommet plate for cable pass-through applications.

d Snap included grommet plugs into any unused holes in the grommet plate.

a For cable pass-through installation, insert the cables through the bottom of the Cable Cubby F55, through the Cable Cubby F55 Adapter Module, and then through the holes of the grommet plate.

c Align the adapter module with an opening in the Cable Cubby F55 frame and then snap it into place in the enclosure.

b Snap the grommet plate into the Adapter Module.

Figure 4.   Setting Up the Cable Grommet Plate

Connect to power source.

Plug in any additional devices here.

3 Feed the cables through the Cable Cubby F55 enclosure for the Flex55 and EU modules being installed. Attach the cables to the modules before snapping the modules into place.

4 Insert the modules (in this example, the double-size Flex55 AC+USB 130 US), into the opening and snap them into the frame.
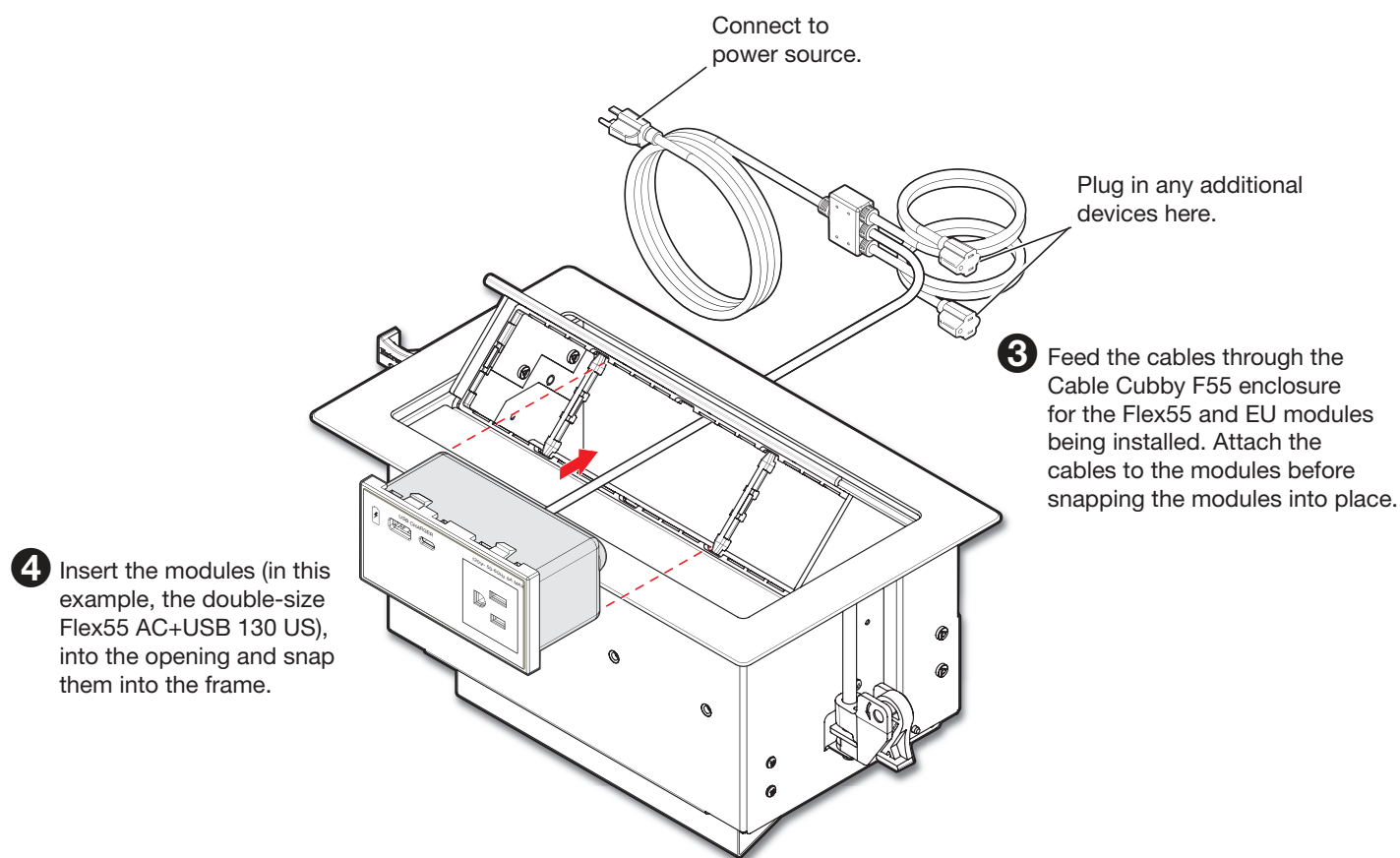
Figure 5.   Installing Flex55 and EU Modules into the Cable Cubby F55 Enclosure

Cable Cubby F55 • Installation Guide (Continued)

Attaching an Optional ZipClip Mounting Device to the Cable Cubby F55

The ZipClip 100, 200, or 400 can be attached to the Cable Cubby F55 with the included #10-32 screws, in order to mount a power supply or other device to the enclosure. Determine which ZipClip to use, and ensure there is ample space for the device and its cables.

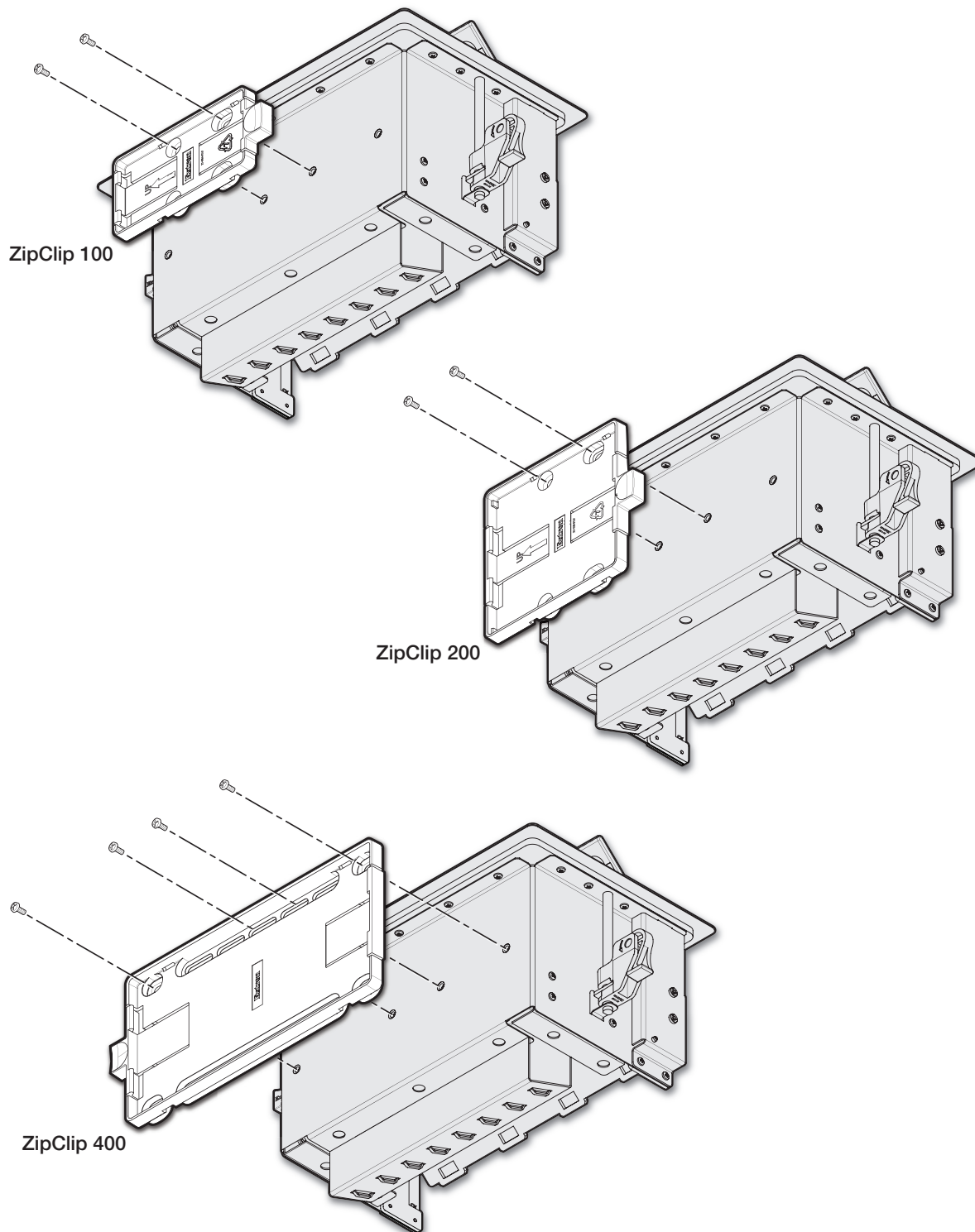> **NOTE:** All ZipClips must be mounted with **horizontal** orientation.

ZipClip 100

ZipClip 200

ZipClip 400

Figure 6. Mounting a ZipClip to the Cable Cubby F55 Enclosure

Mounting the Cable Cubby F55 in the Table

Step 1 — Mount the Cable Cubby Flush with the Table

❶ Ensure the side clamps are seated against the enclosure and positioned on the lower part of the shaft.

❷ Lower the Cable Cubby into the hole to test the fit. If necessary, carefully enlarge the opening.

❸ After the enclosure is lowered and resting in the table, remove the plastic strips and film on the surface of the Cable Cubby.
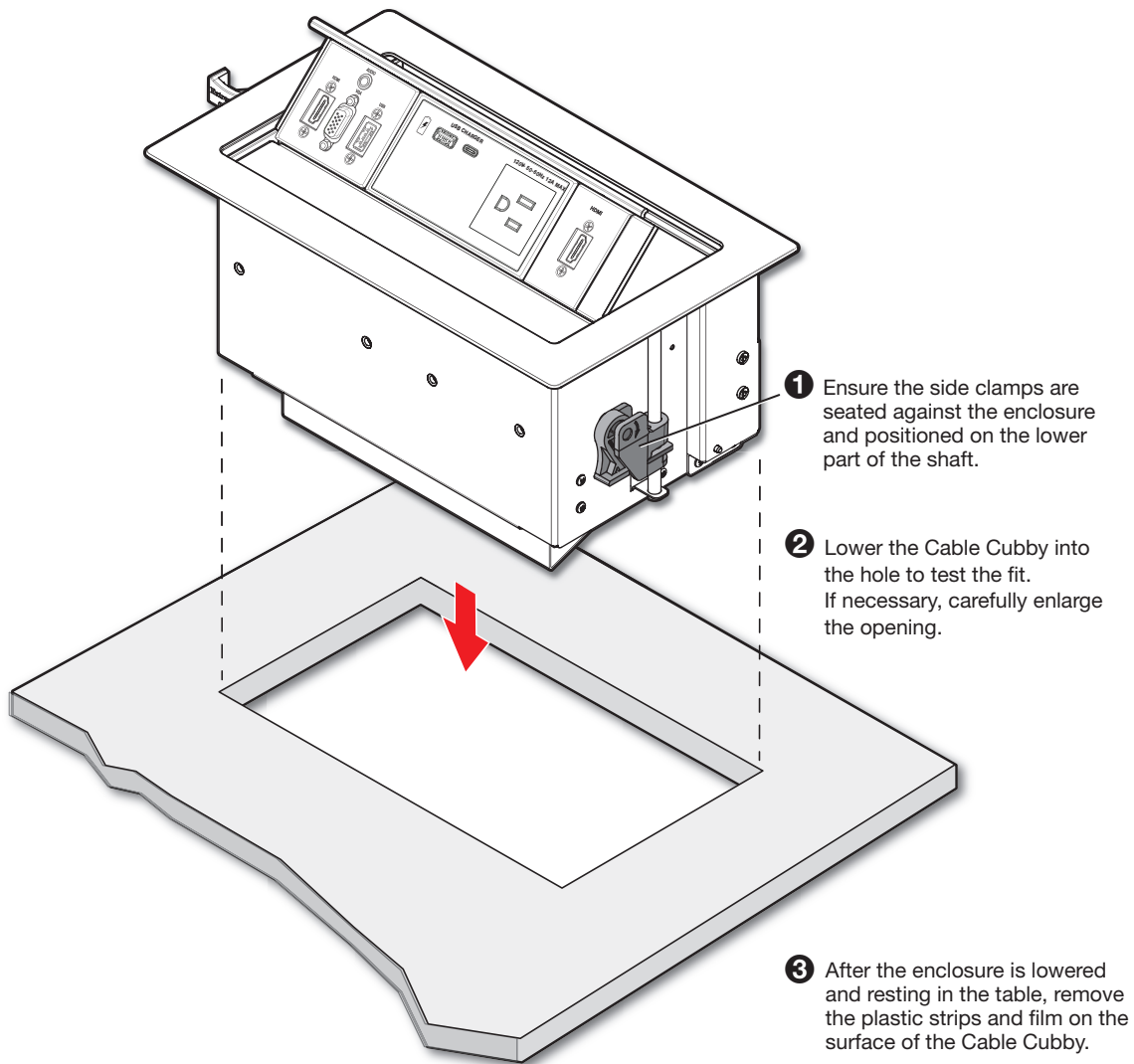
Figure 7. Mounting the Cable Cubby F55 to a Table

Step 2 — Under the Table, Adjust the Side Clamps on the Enclosure

Lever

1 Rotate the side clamp outward and ensure that the lever is down.

2 Slide the clamp all the way up against the bottom of the table.

3 Ensure the Cable Cubby is firmly seated in the table. Raise the lever to secure the Cable Cubby.

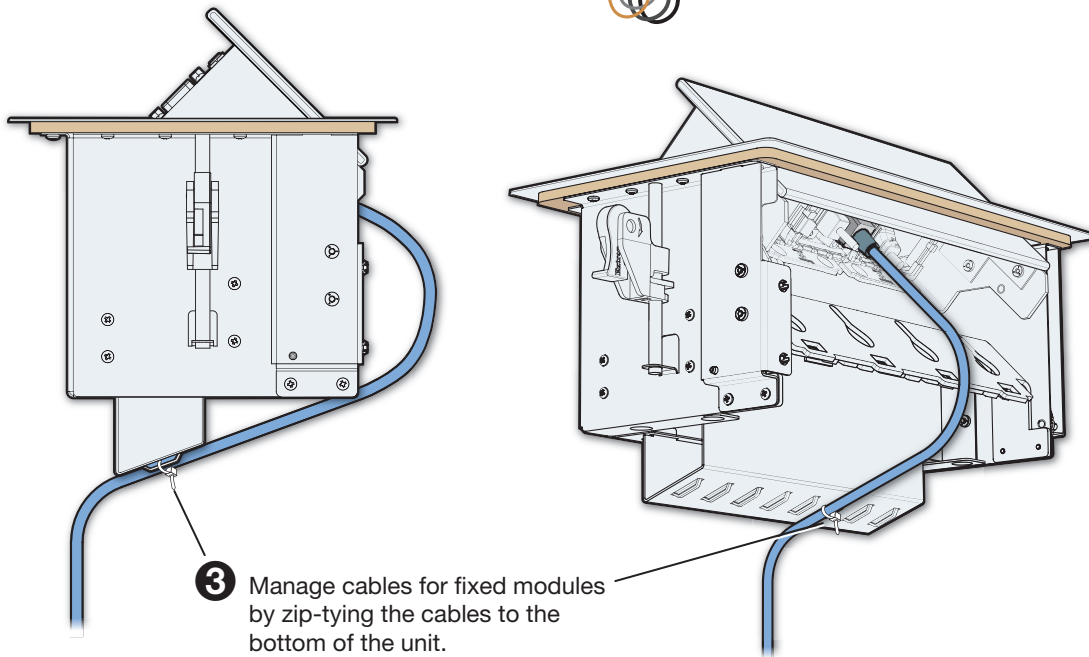**Figure 8.** Adjusting and Securing the Side Clamps

Routing and Managing Cables

Organize and connect cables as shown in figure 8. Use zip ties (provided) to fasten the cables to the enclosure where needed.

1 Manage the cables with the lid in the fully open position.
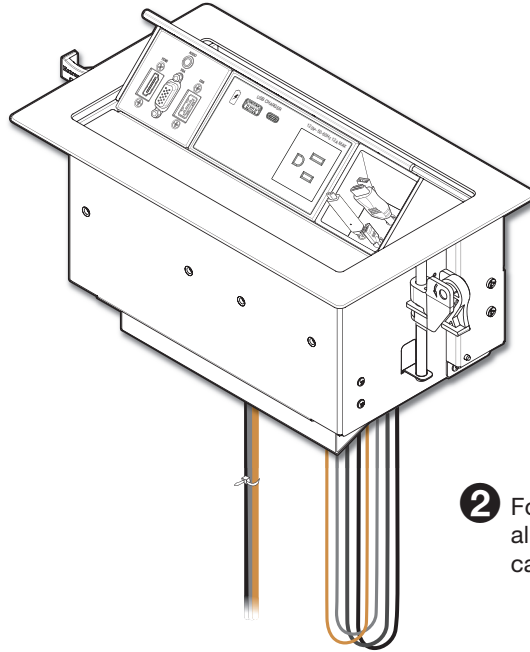
2 For cable pass-through applications, allow at least 36 inches (914 mm) of cable loop for each cable.

3 Manage cables for fixed modules by zip-tying the cables to the bottom of the unit.
Give a generous cable loop to allow the lid to open and close without restrictions.

4 Raise and lower the lid again after cabling is installed to ensure the lid operates as desired. Provide more loop in the cabling if necessary and re-secure to the enclosure.

Figure 9. Routing and Managing the Cables

Appendix

Removing Flex55 and EU Modules from the Cable Cubby F55

If the modules need to be replaced or removed from the Cable Cubby F55 enclosure, the following diagrams show the procedure for removing modules with the provided pry tools. This process applies to any compatible Flex55 and EU module.
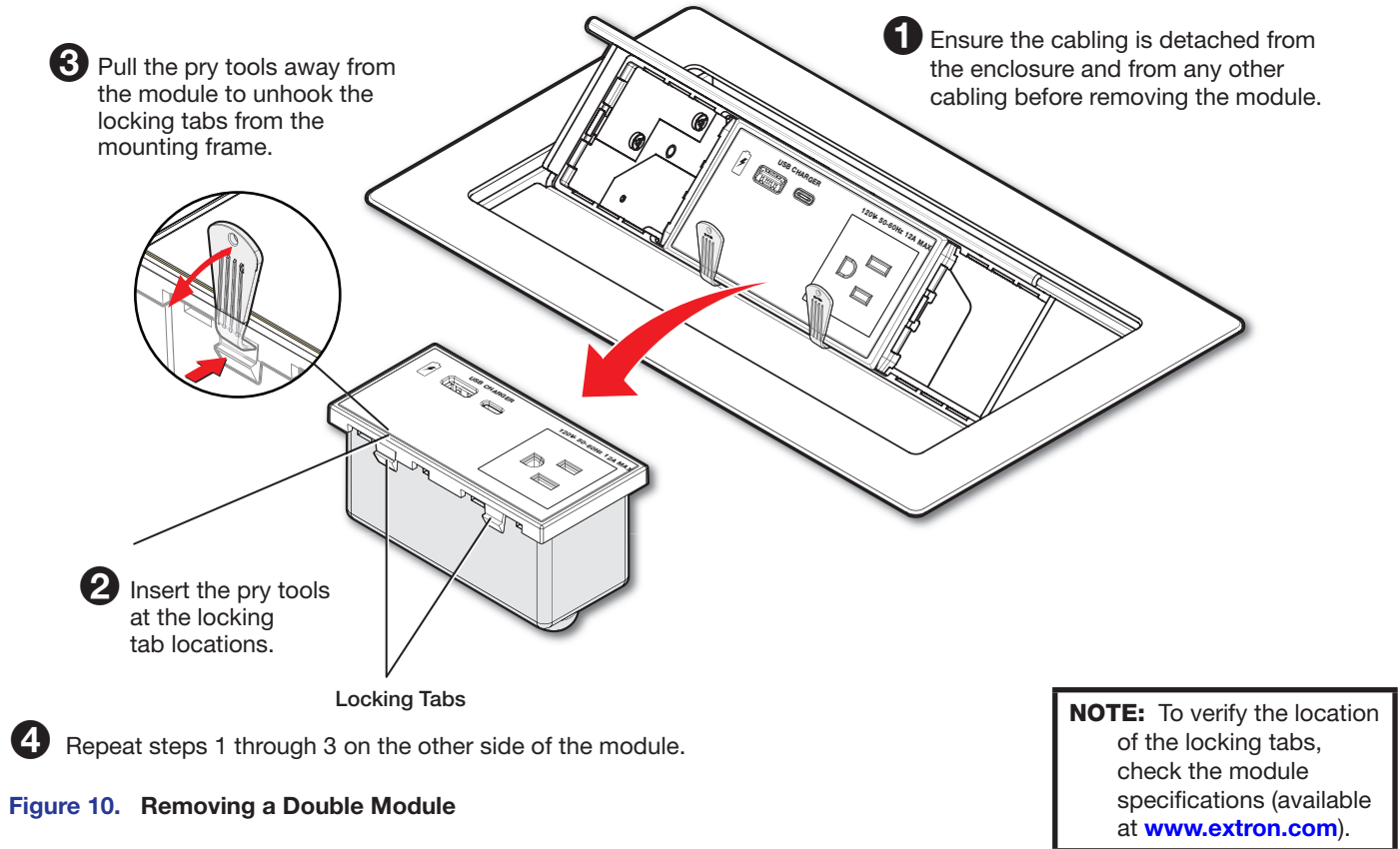
3 Pull the pry tools away from the module to unhook the locking tabs from the mounting frame.

1 Ensure the cabling is detached from the enclosure and from any other cabling before removing the module.

2 Insert the pry tools at the locking tab locations.

Locking Tabs

4 Repeat steps 1 through 3 on the other side of the module.

NOTE: To verify the location of the locking tabs, check the module specifications (available at **www.extron.com**).

Figure 10.   Removing a Double Module

1 Insert the pry tool at the locking tab location.

Locking Tabs

HDMI
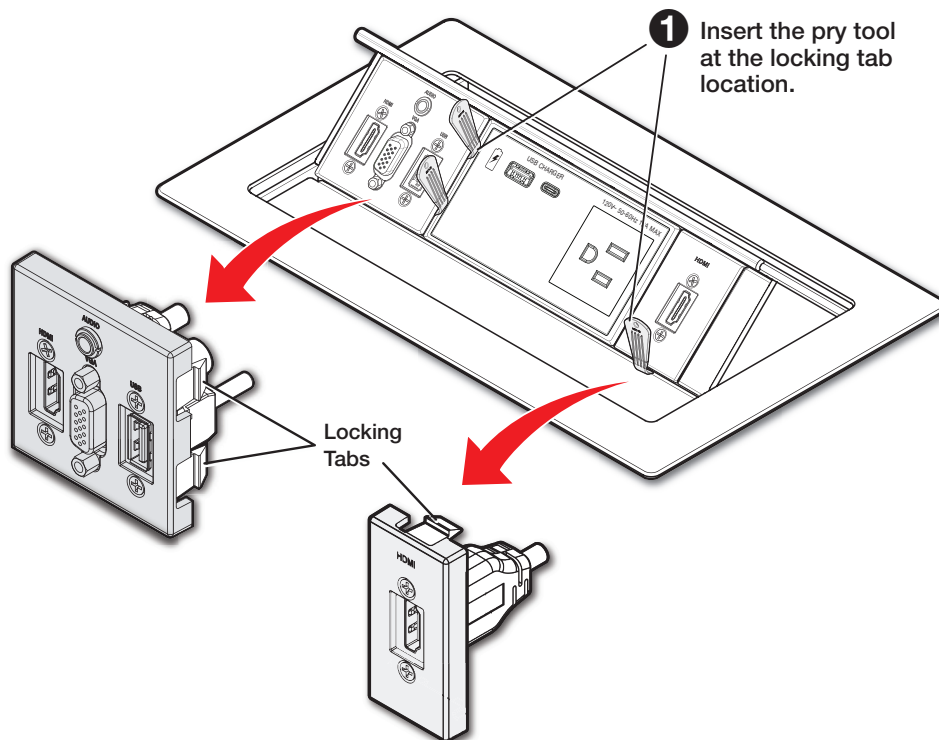
Figure 11.   Removing Flex55 and EU Modules

Removing the Enclosure from the Table

To remove the Cable Cubby F55 enclosure from its mounting location in the table, release the side clamps as shown below:

NOTE: When the clamps cannot be loosened by hand, an Extron Tweeker or other small screwdriver may be necessary to help with leverage.
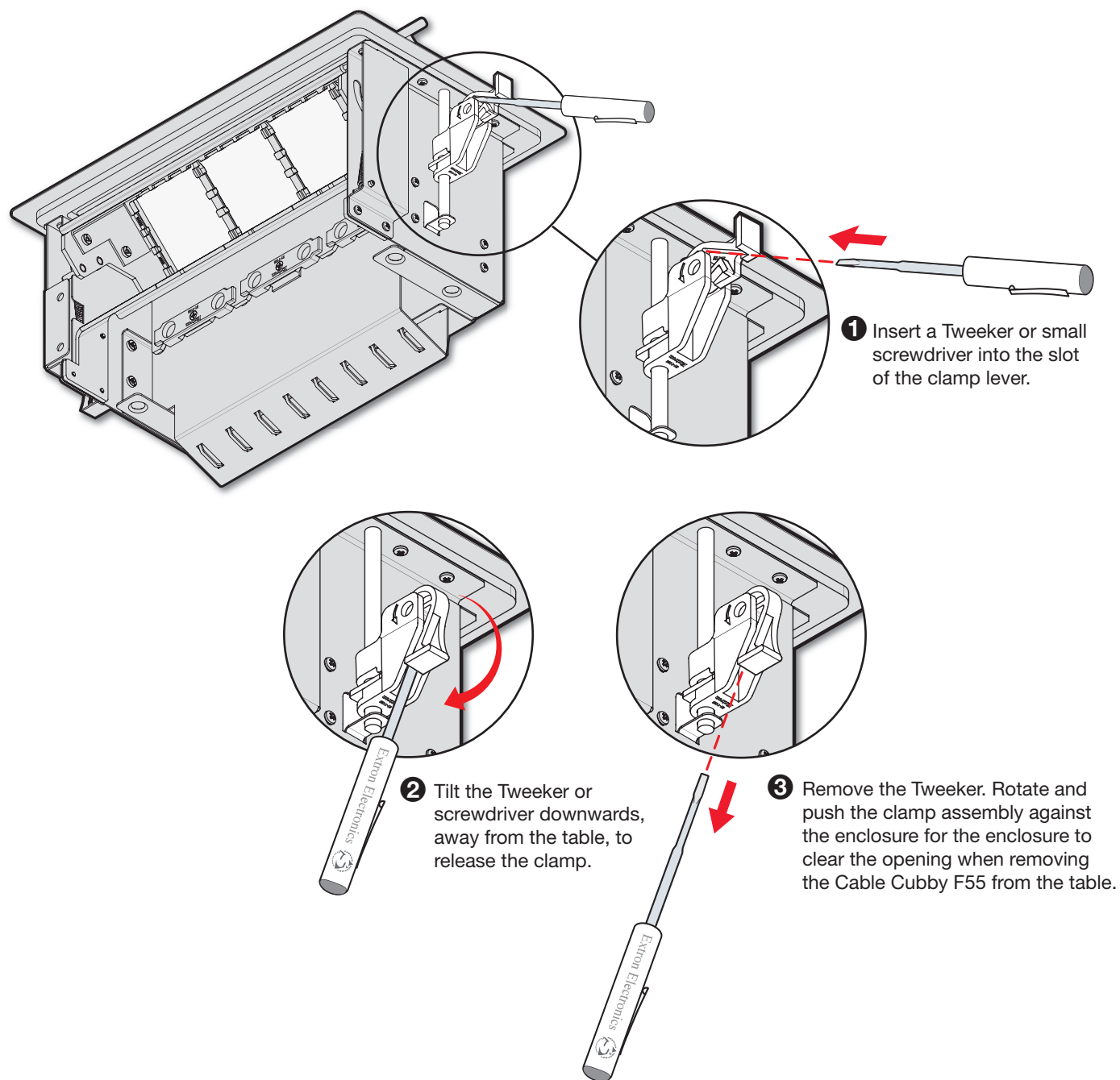
❶ Insert a Tweeker or small screwdriver into the slot of the clamp lever.

❷ Tilt the Tweeker or screwdriver downwards, away from the table, to release the clamp.

❸ Remove the Tweeker. Rotate and push the clamp assembly against the enclosure for the enclosure to clear the opening when removing the Cable Cubby F55 from the table.

Figure 12.   Removing the Cable Cubby F55 Enclosure from the Table

Installation Overview

1. **Plan the installation (see page 1).**
    *   Check with local and state regulations before starting the installation.
    *   Check all parts and equipment before installation.

2. **Prepare the table (see page 2).**
    *   Determine the best location for the enclosure.
    *   Choose a method for cutting the hole in the table.

3. **Install the modules into the Cable Cubby F55 enclosure (see page 3).**
    *   Check the modules for compatibility and installation requirements.
    *   Remove bridge supports if necessary to accommodate a double-sized module. **Note that removal of bridge supports is irreversible.**
    *   Cable and install half-, single- and double-size modules into the Cable Cubby F55.

4. **(Optional) Attach a ZipClip mounting device to the Cable Cubby F55 (see page 5).**
    *   **If using a ZipClip**, determine which model to use (100, 200, or 400). Plan and ensure there is ample space for the device and its cables.
    *   Attach the ZipClip to the Cable Cubby F55.
    *   Attach the desired power supply or other device to the ZipClip.

5. **Mount the Cable Cubby F55 in the table (see page 6).**
    *   Seat the clamps against the enclosure and in the lowest position.
    *   Drop the enclosure into the cut opening.
    *   Remove the plastic strip and film.
    *   Under the table, adjust the side clamps on the enclosure, and secure it to the table.

6. **Route and manage the cables (see page 8).**
    *   Organize and connect the cables. For cable pass-through applications, allow at least 36 inches (1 meter) of cable loop.
    *   With the lid open, allow sufficient cable loop. Use tie wraps to attach cables to the enclosure where needed.
    *   Raise and lower the lid to ensure it operates as desired.

For information on safety guidelines, regulatory compliances, EMI/EMF compatibility, accessibility, and related topics, see the **Extron Safety and Regulatory Compliance Guide** on the Extron website.