

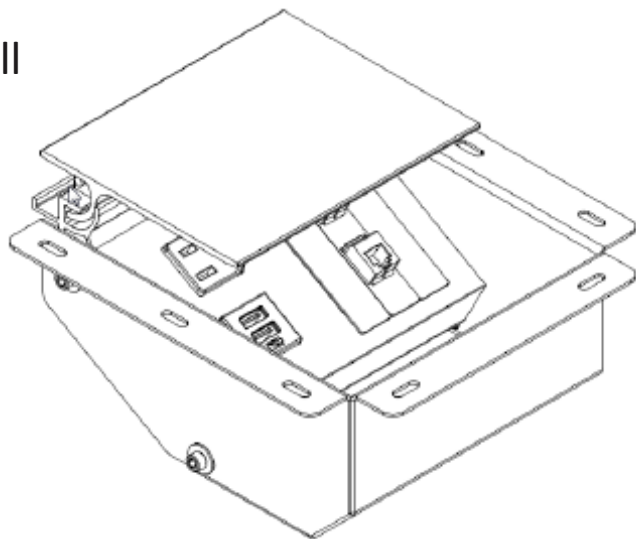
NUCRAFT

Installation Instructions

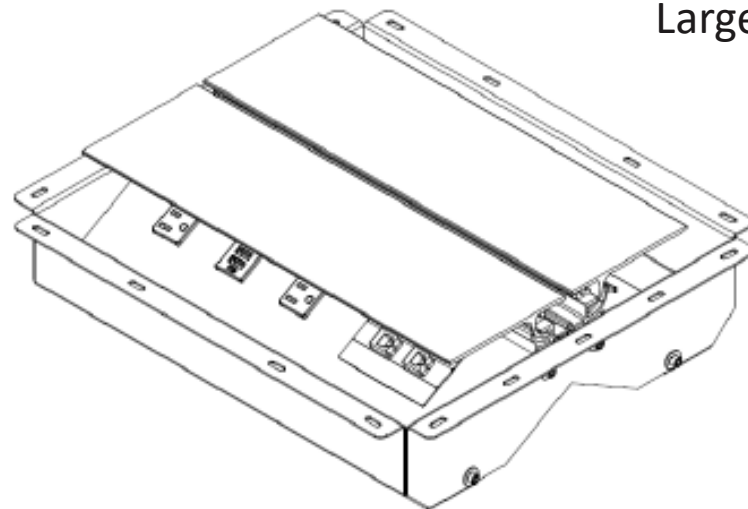
ID: 073 Power Matrix

Standard Power Matrix Sizes

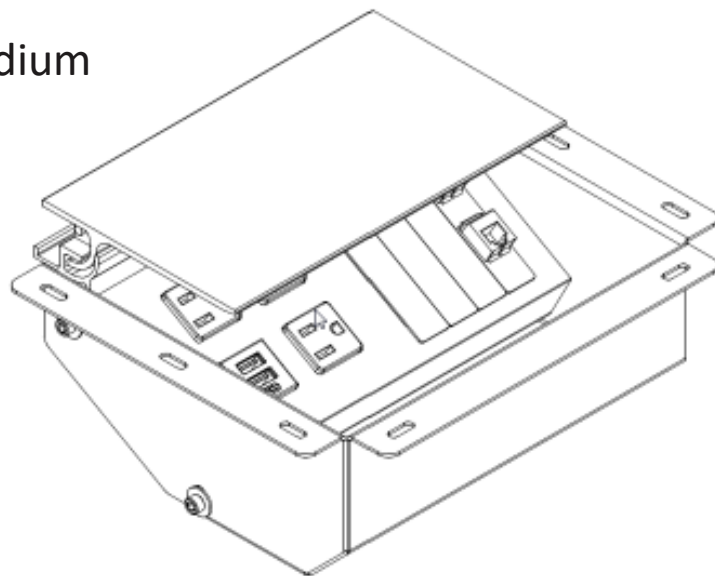
Small



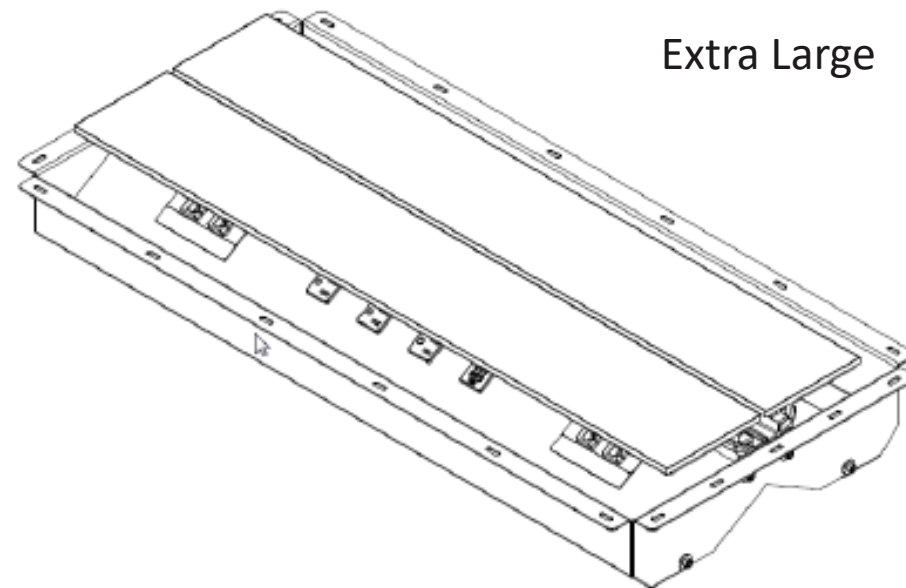
Large



Medium



Extra Large



Note: Ascari Power Matrix Units feature a slightly different Pan.

Before Beginning Installation

- Read through the entire instruction thoroughly
- A minimum of 2 persons is required for this assembly
- If damage is found, STOP. Document damage and packaging and report to dealer.

Required Tools

- Coreless Drill/Driver (Low Torque Setting)



- #2 Phillips Bit 

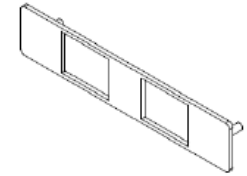
- 5/32" or 4mm Hex Wrench



- Basic Tool Kit 

NOTE: Two RJ-45 plates come preinstalled in the Power Matrix along with one blank plate.

A. RJ-45 Plate – Part #HW7649 (QTY 1)



B. Blank Plate – Part #HW7650 (QTY 2)



C. Phillips Screws
(#8 x 5/8")

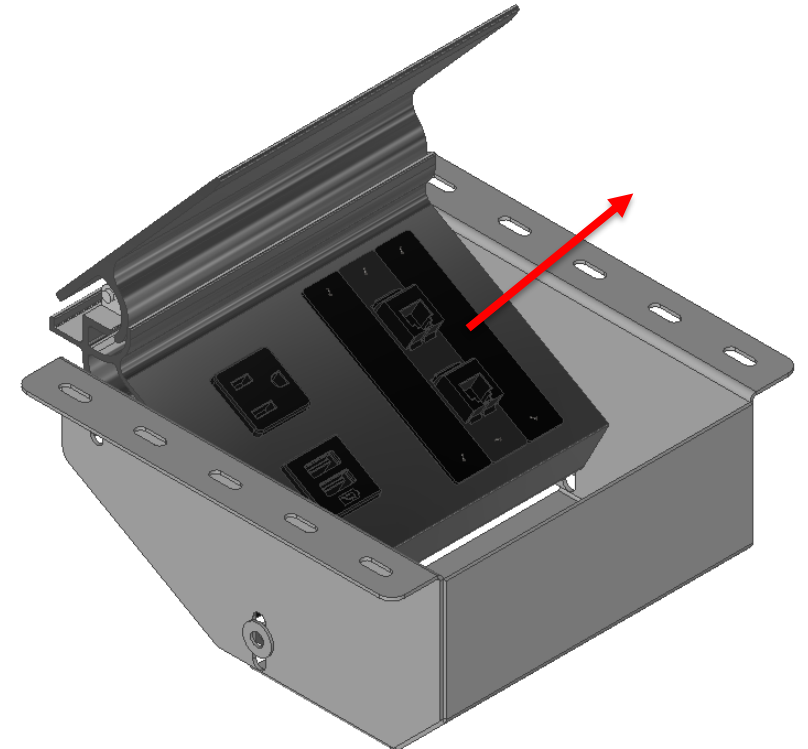
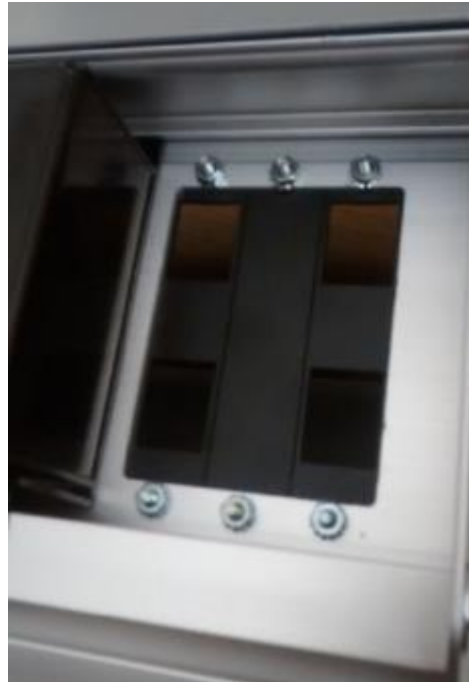
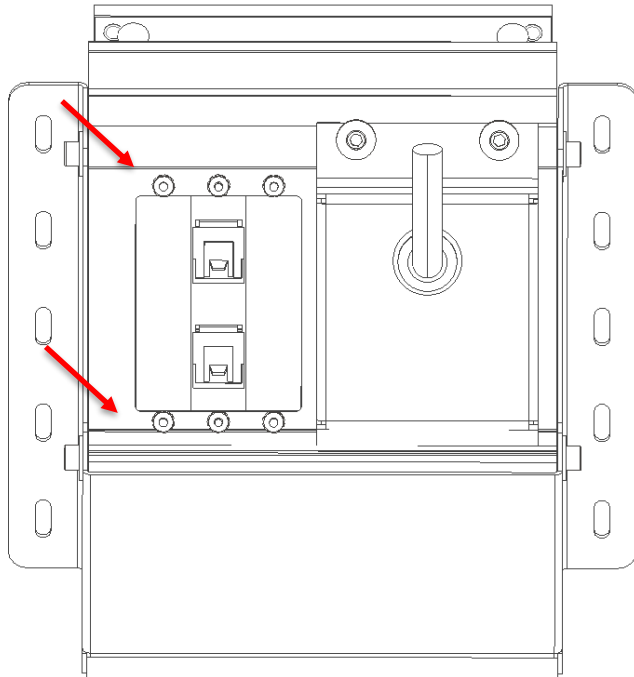


Step 1: Faceplate Replacement

- All Power Matrix units are compatible with Extron AAP faceplates, one of the most popular faceplates in the AV industry

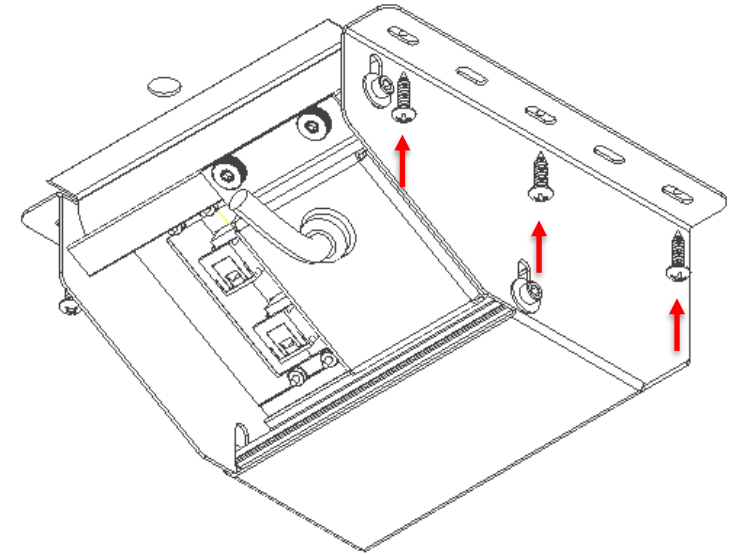
If a different faceplate is required:

1. On the bottom side of the power matrix, remove the lock nuts securing the faceplate using the ¼" nut driver or socket, then remove the faceplate.
2. Replace the old faceplate with the desired faceplate and secure it with the lock nuts.

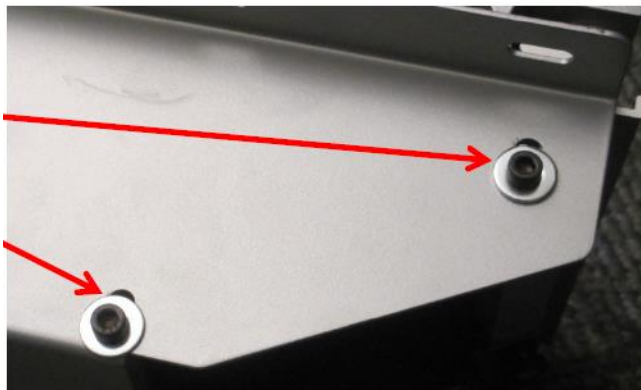


Power Matrix Installation

1. To determine the location of a wood grain matched power matrix, match the code on the power matrix to the code stamped next to each cutout in the work surface.
2. Place the power matrix in the cutout and align the hinge side of the matrix with the edge of the cutout, then secure it using the drill/driver, Phillips drill bit, and the Phillips screws.
 - a. Use the predrilled pilot holes
 - b. Start screws, and then ensure that the door opens smoothly, with no interference.
 - c. Adjust the location of the power matrix as necessary, then tighten the screws, being careful not to over tighten, as this may damage the work surface.
 - d. Inspect the top of the power matrix lid to ensure that it is flush with the work surface. If it is not, use the 5/32" or 4mm hex wrench to loosen the four hex screws on the side panels of the matrix and adjust as needed. Then retighten the hex screws.



Aligning the Hinge Side

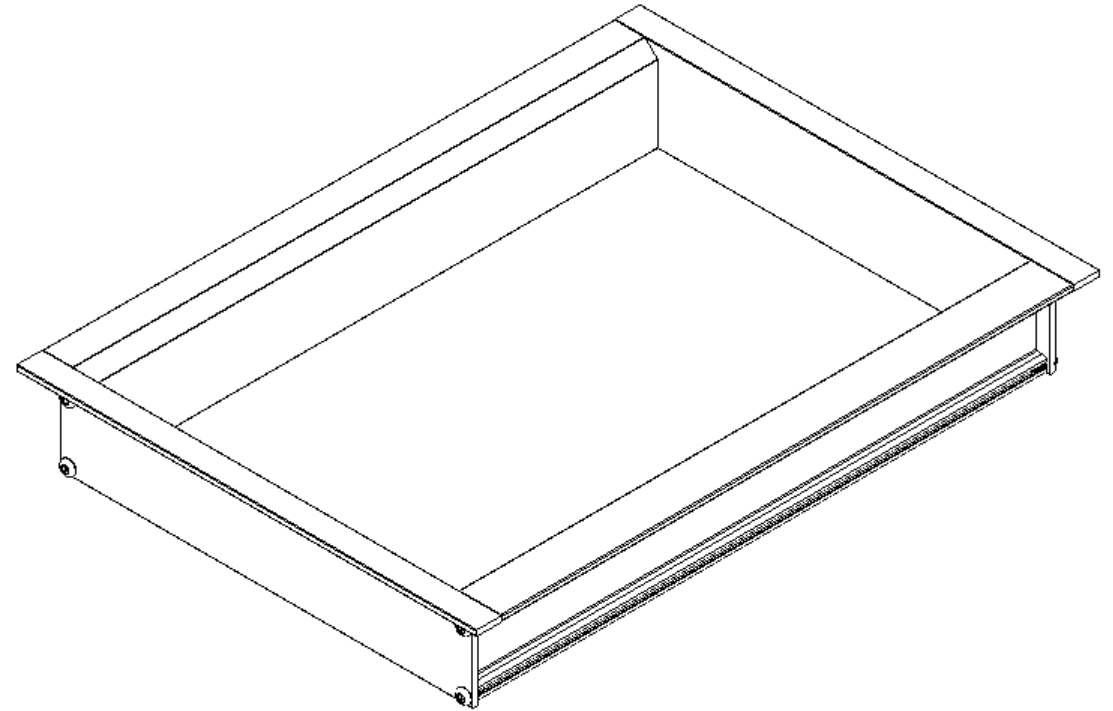


Power Matrix Bezel Installation (If Specified)

Please Note:

- Bezels are **NOT REQUIRED** on Veneer Tops.
- As a standard, Bezels are only featured on Stone, Glass and Laminate Tops.
- Bezels come with double-sided tape preinstalled.

1. Remove backer from double sided tape.
2. Place bezel in cutout.
 - a. If installing a small or medium size power matrix, align the chamfered edge of the bezel to the user side.



Power Matrix Bezel

Connecting to Building Power

Power Matrix is available with two options for connection with building power:

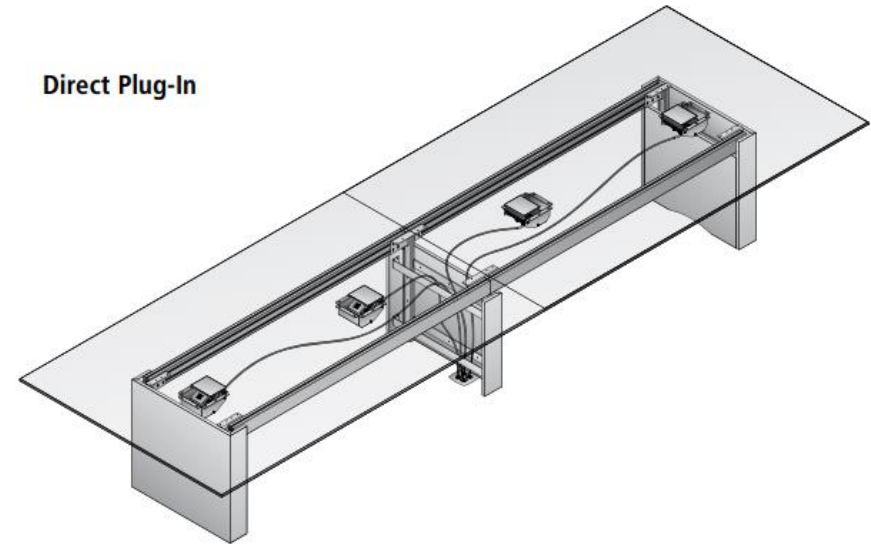
- **DIRECT PLUG-IN**

The 15-amp power cord from each Power Matrix unit is plugged into a floor monument. The floor monument must have at least one power outlet per small or medium Power Matrix unit in the table and two power outlets per large or extra-large Power Matrix (e.g., a table with four small or medium Power Matrix units would need four power outlets in the floor monument).

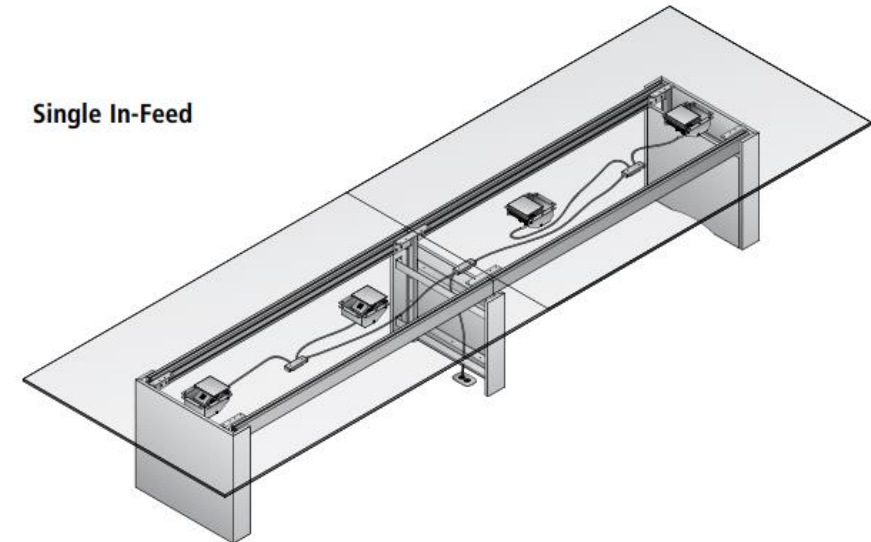
- **SINGLE INFEED**

Each Power Matrix unit is plugged into a two-circuit modular electrical system in the table from which a single connection is made to a floor monument. This connection can be either hardwired (to utilize both of the circuits in the modular electrical system) or corded (which requires a 20-amp power outlet in the floor monument and reduces the modular electrical system in the table to a single circuit).

Direct Plug-In



Single In-Feed

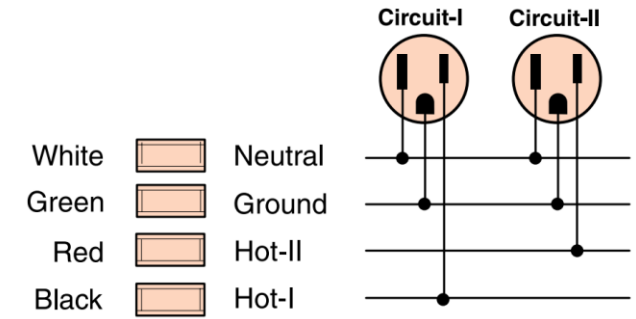


Two-Circuit Modular Electrical System

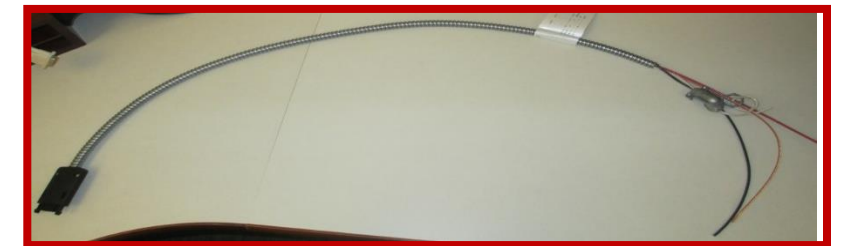
Only present on tables specified with the Single In-Feed option

- 4-wire, 20-amp, 2-circuit modular electrical system.
- All electrical components satisfy National Electrical Code (NEC) requirements and are UL listed.
- Hardwire or Plug-In (20-amp) in-feed options.
 - A licensed electrician is required to complete hardwire connections to building's power source.
 - Neutral (white) wires are 10 gauge, hot and ground wires are 12 gauge.
- The plug in feed is a 1 circuit system only

Electrical Diagram — Hardwire Power Infeed Only



Plug-In In-feed



Hardwire In-feed

Modular Power Components



Circuit 1 Duplex



Circuit 2 Duplex

(For Hardwired Systems only)

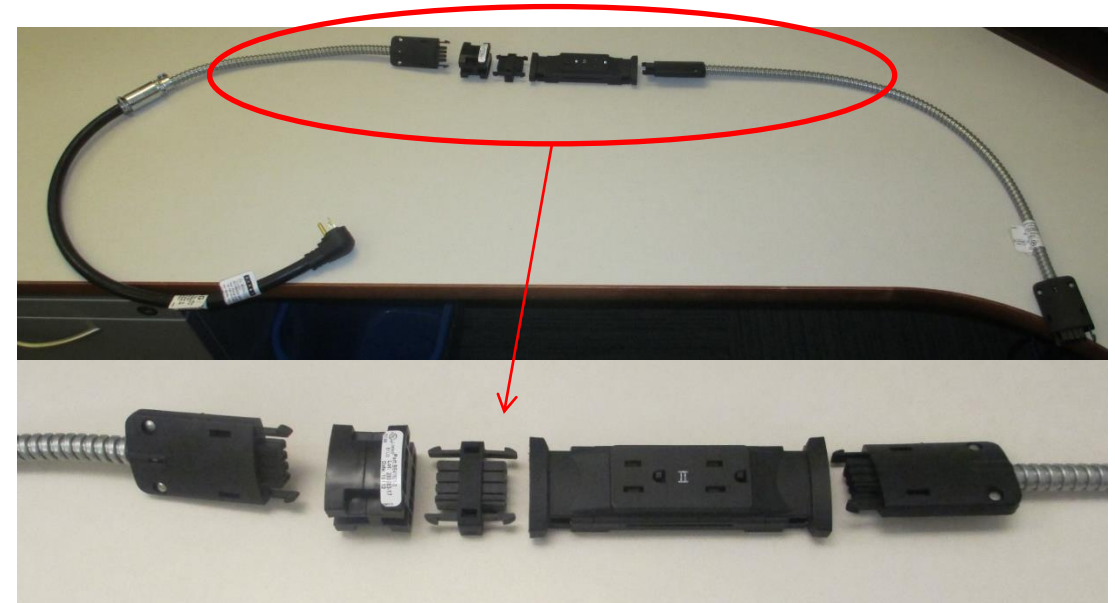
If your system has both Circuit 1 and Circuit 2 duplexes they should be alternated in series



“H” Connector
(4 female connections)



Male to Male Connector



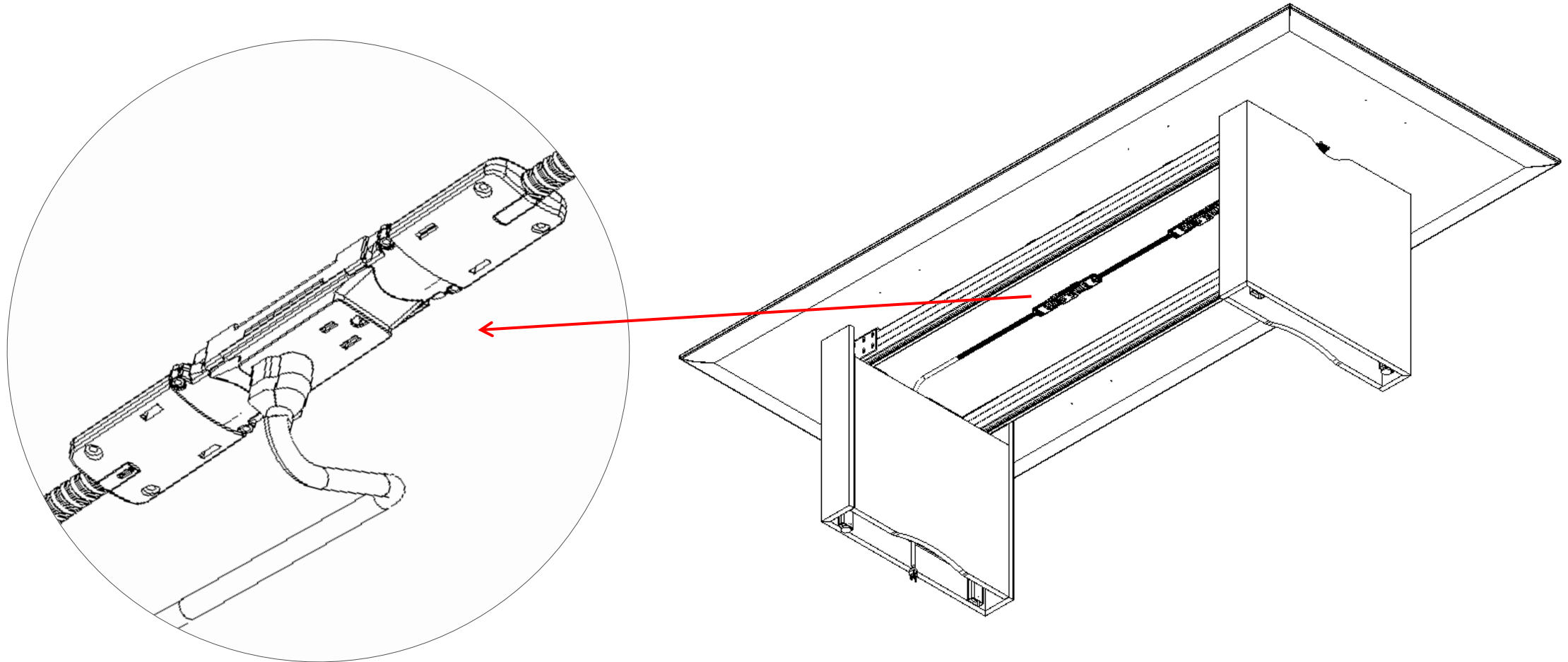
Jumper (various lengths)



Jumpers come in various length depending on the application required.
The proper length jumpers will be included with the table.

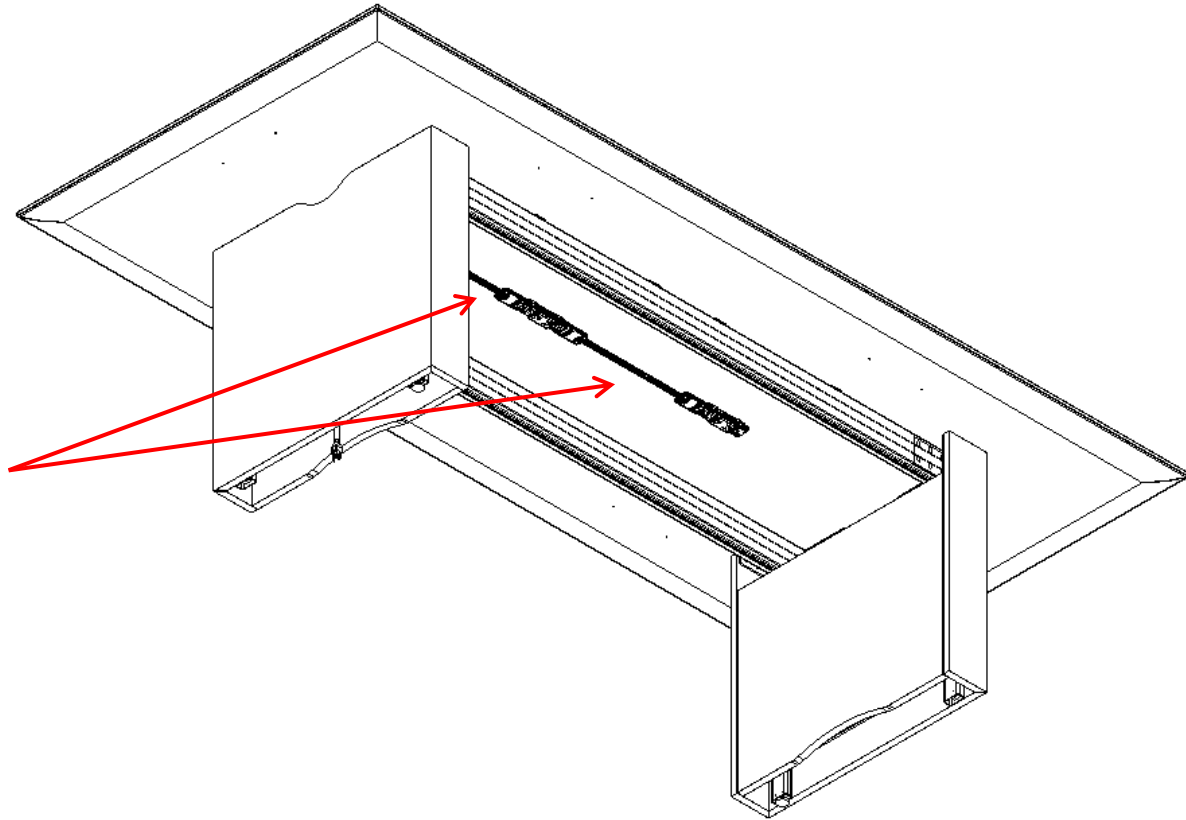
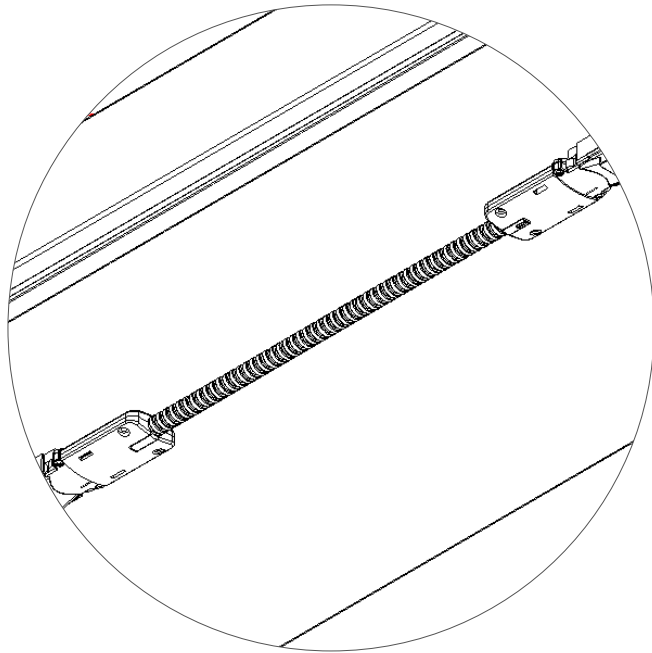
Step 1: Duplex Receptacles

- Duplexes are secured on the underside of the work surface, with bracket hardware (EL0147).
 - Duplexes can be used as is or attach to power infeed.



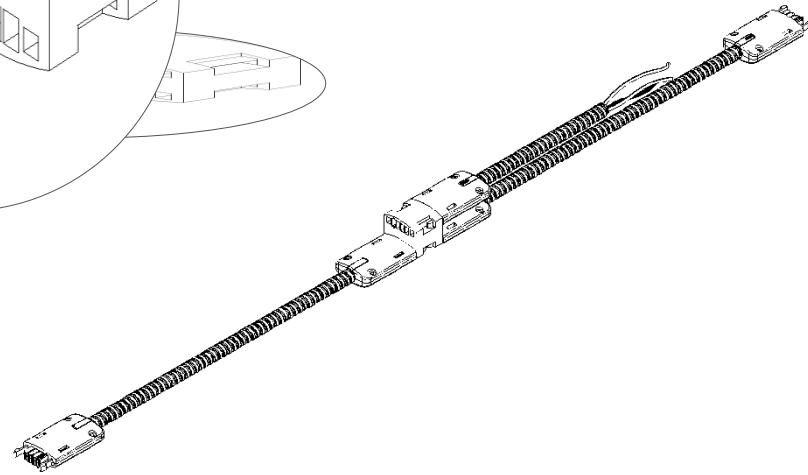
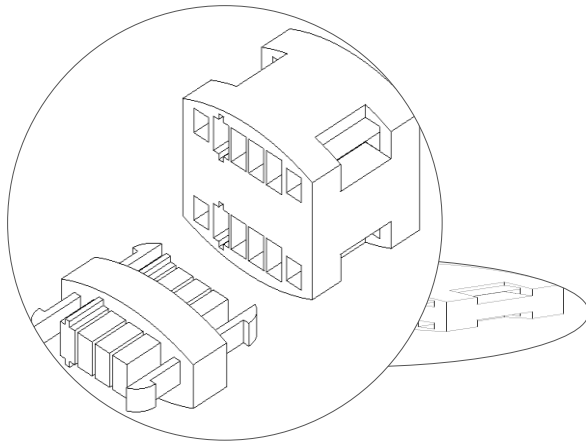
Step 2: Jumpers

- Duplexes are connected to each other by jumpers that click together, no hardware required.
- They direct the infeed from one end of the table to the other in different configurations depending on the path of power.

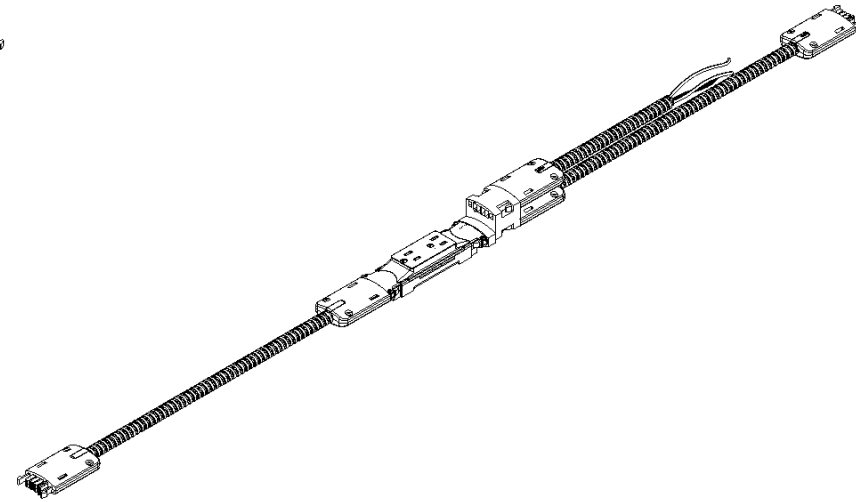


Step 3: Block Connector and “H” Connector

- If applicable:
- Block connectors and “H” connectors are used together to split the infeed in different directions.
 - Four ports for jumpers and/or duplexes to branch from.



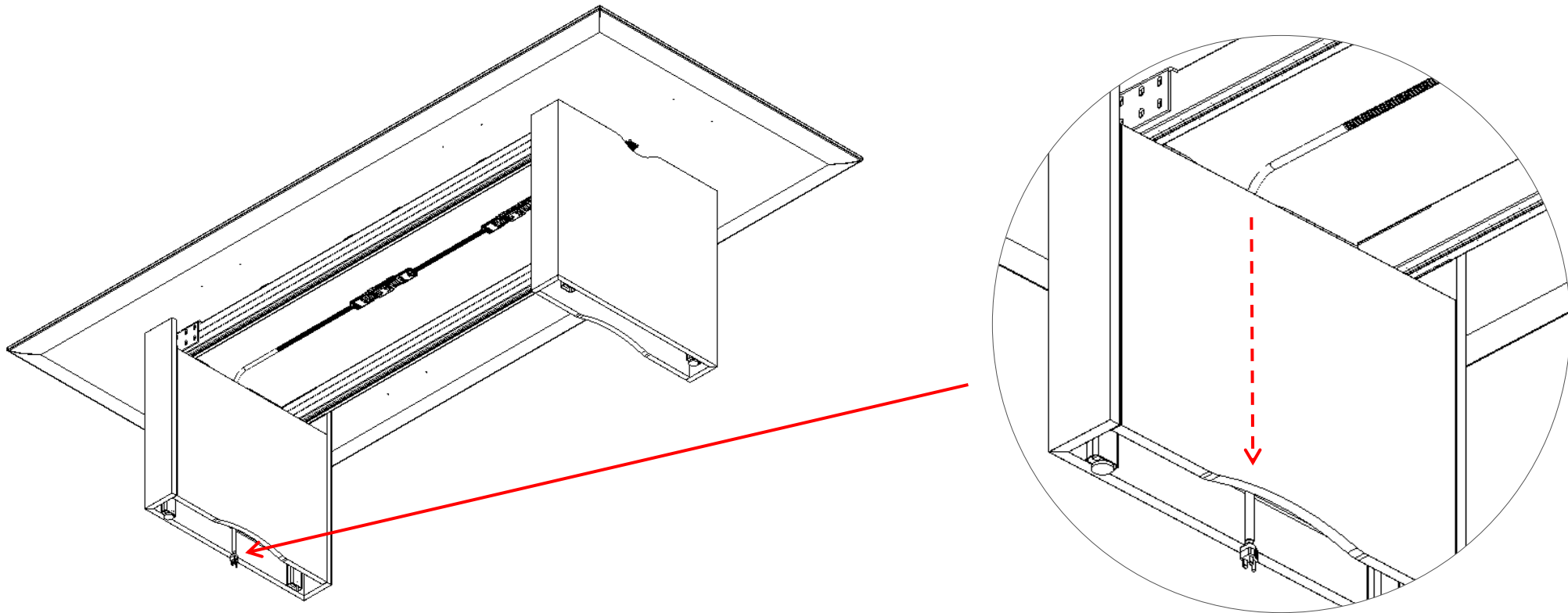
Jump Split



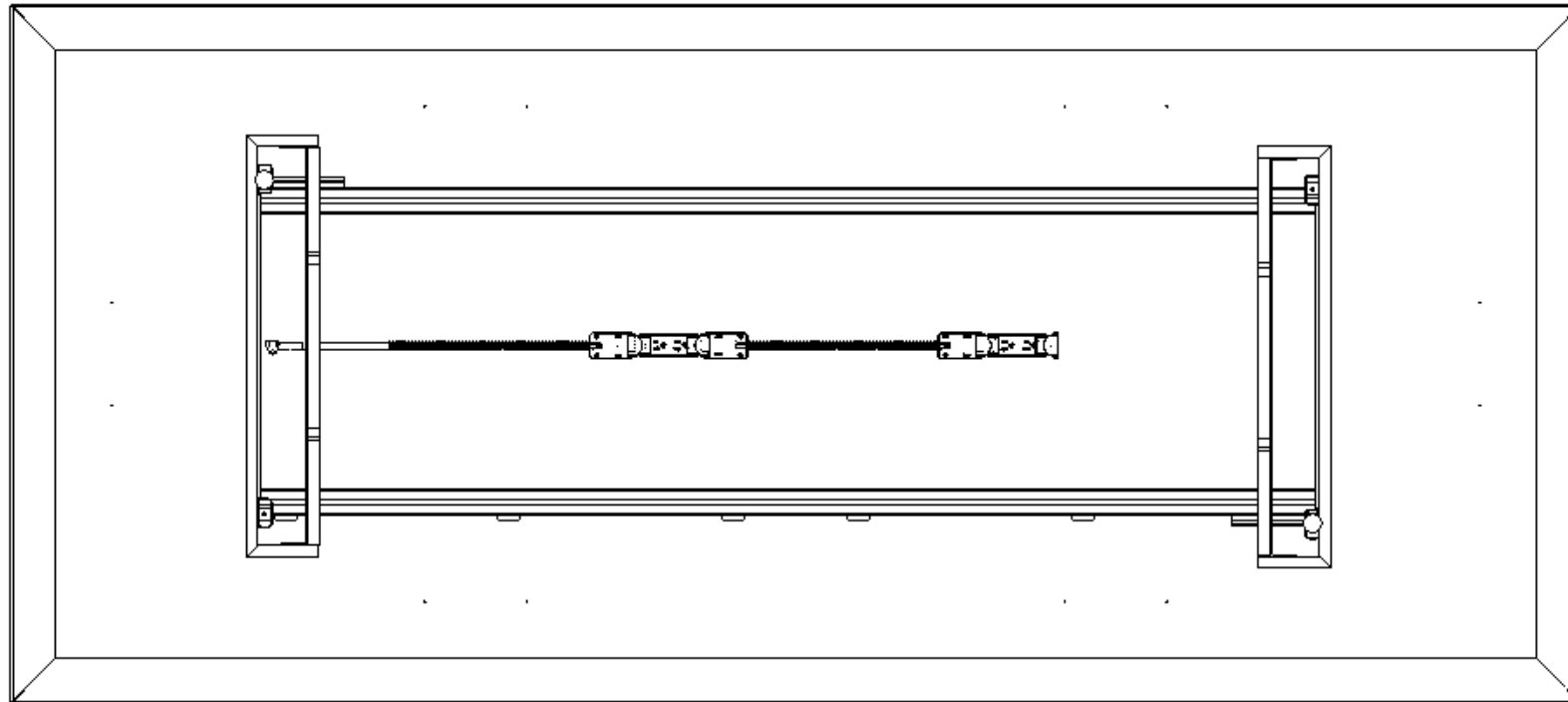
Duplex Split

Step 4: Infeed

- Connect the plug-in or hardwire infeed to the duplex (or jumper) nearest the desired base. Then run the infeed down through the base to the customer's floor core.



Single Infeed Bottom View



Center Infeed Bottom View

