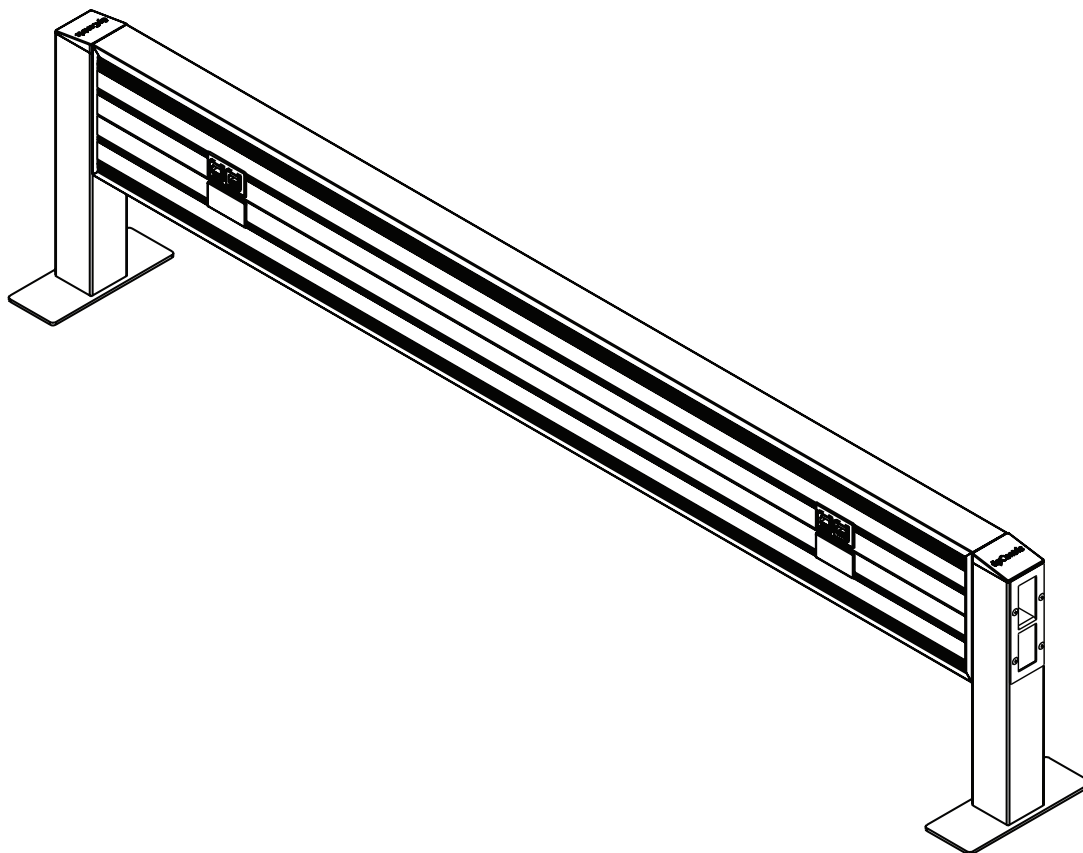


# ↑pCentric®

Power & Data Rail



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- Run Data Cables ..... 16
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## Components

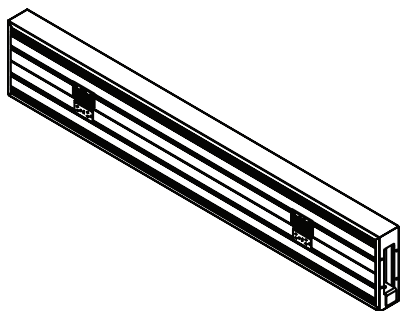
Prior to commencing the installation, these instructions thoroughly. Utilize the accompanying diagrams to verify that all the necessary components for your installation were included in your order. It is advisable not to dispose of the packaging until you are completely satisfied with your products functionality.



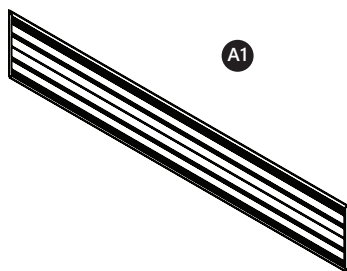
### Safety Instructions/Warning

- Connecting the power feed to building power should be undertaken by a licensed electrician.
- Before connecting the unit to the building power, make sure to first connect the power feed to the unit.

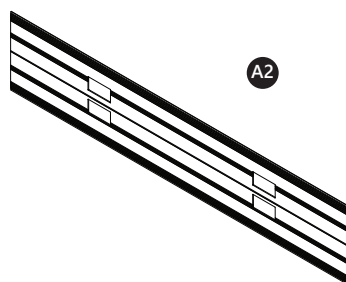
### Group A: Rail parts - found inside rail, installed on rail



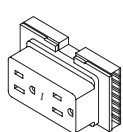
Rail assembly 36" - 96"



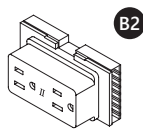
Cover Panel



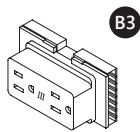
Cover Panel with window



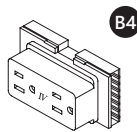
Prise 1



Prise 2



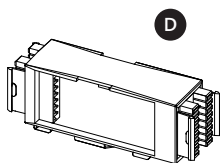
Prise 3



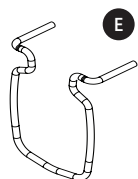
Prise 4



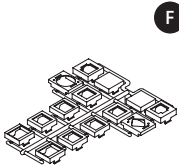
Clevis pin



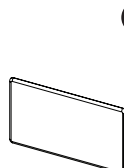
Junction block



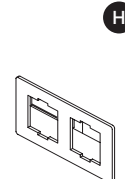
Data cable support clip



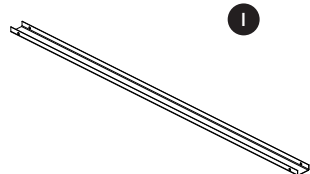
Voice/data adapter kit



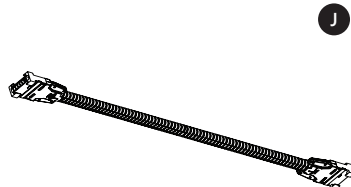
Cover plate



Voice/data plate



Inner trough 36" - 96"



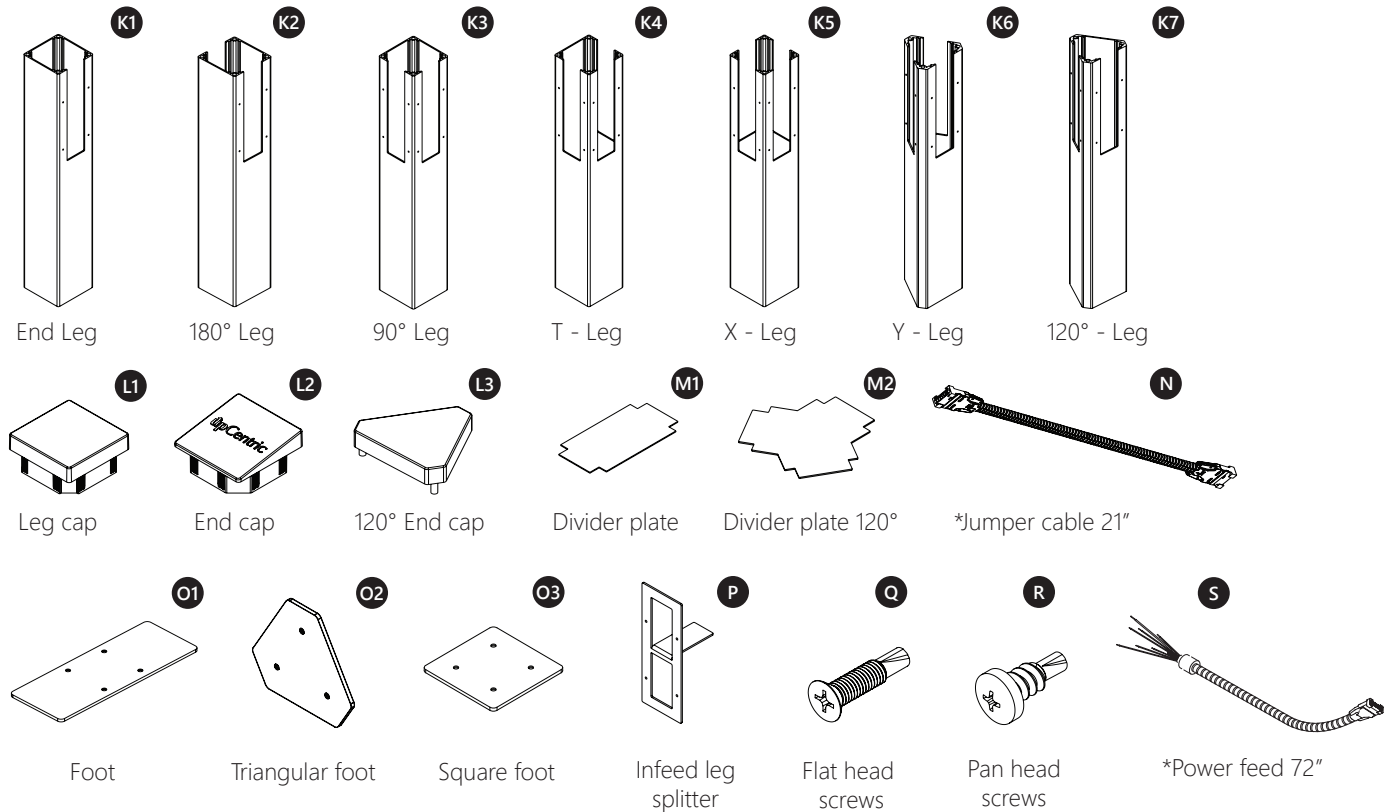
Jumper cable 8" - 68"

# Installation Guide

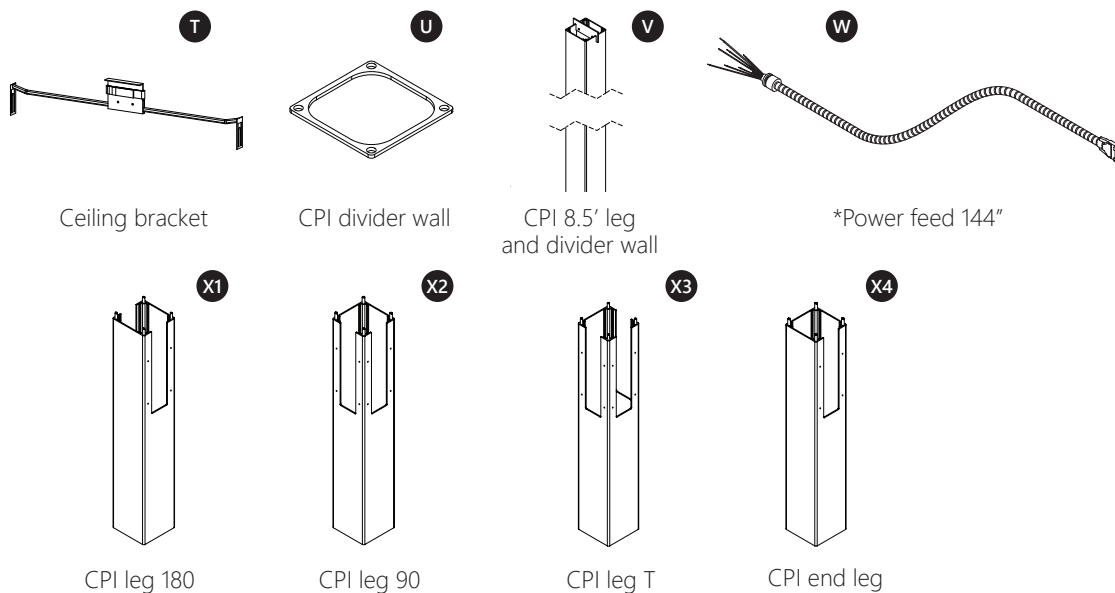
upCentric Power & Data Rail



## Group B: Leg parts - found in leg packaging



## Group C: CPI - Ceiling power infeed specific parts



## Tools required

- Power Drill
- Philips #3 Bit
- Philips #2 x 3" bits or longer

## \*Power Feed:

- 72" - Used for WPI legs
- 144" - Used for CPI legs

## \*Jumper Cable:

- Legs 180°, 120° and 90° - Use 1 Jumper
- Legs Y and T - Use 2 Jumpers
- Legs X - Use 3 Jumpers



## Power & Data Rail

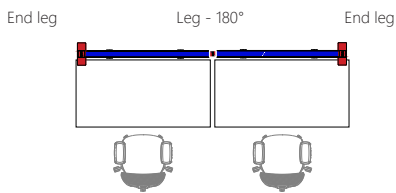
Note: any alterations to listed components will void the manufacture's warranty. The manufacturer will not be responsible for any damage or bodily harm caused by alterations in accordance with national or local electrical codes and manufacturer's specifications. In accordance with the manufacturer's policy of continual product improvement, the product presented in this document is subject to change without notice or obligation.

upCentric Power & Data Rail is designed to optimize floorplans with a clean and tidy look by providing organized power & data for each individual desk. upCentric Power & Data Rail eliminates the need for messy wires on the floor, reducing trip hazards and improving workplace safety.

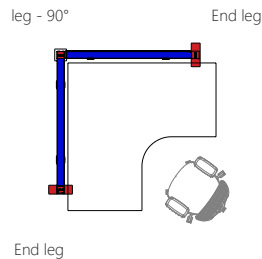
The Byrne 8-Trac system is employed for the Power and Data Rail, incorporating UL-recognized electrical elements. It features fast-connect components, streamlining the installation process for speed and ease. Utilizing the hardwire power infeed enables the connection of either 12 rails or up to 24 desks.

Note: The diagrams below are shown from the top view

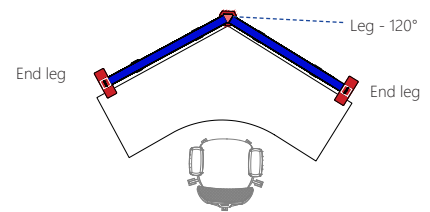
Configuration - 180°



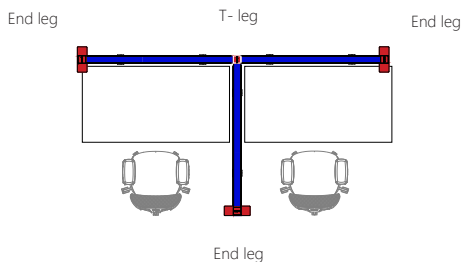
Configuration - 90°



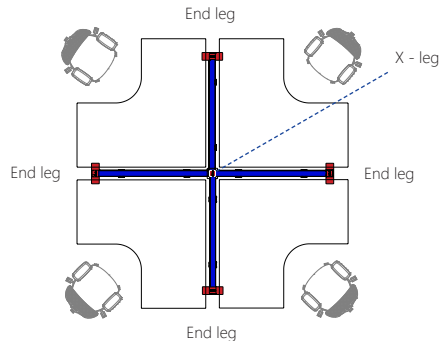
Configuration - 120°



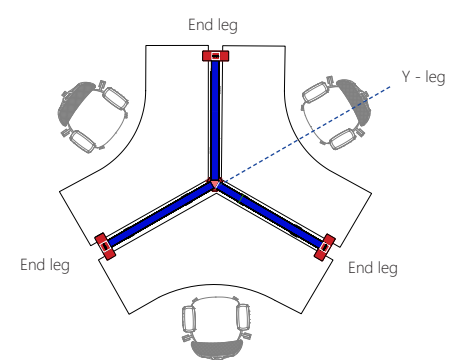
Configuration - T



Configuration - X



Configuration - Y

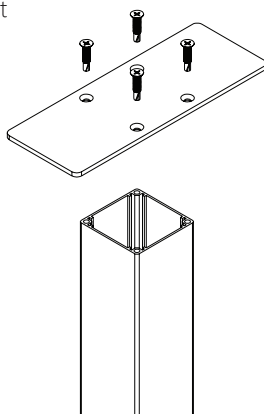


## Leg Assembly and Rail Preparation

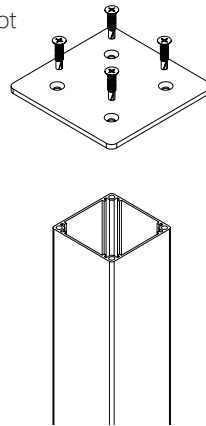
### Step 1: Assemble all Connector Legs:

- a) Attach foot to bottom of the leg with flat head screws (Q).
- b) Set aside caps (L), jumpers (N), divider plates (M), pan head screws (R), and infeed leg splitter (P) for future use.

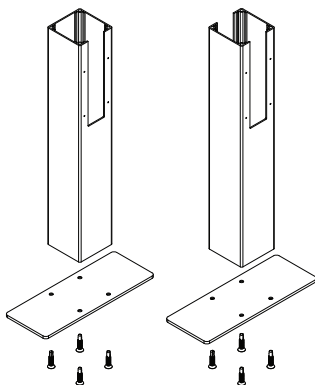
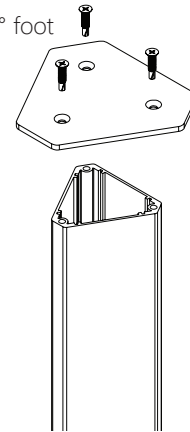
Foot



Square foot

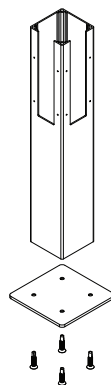


120° foot

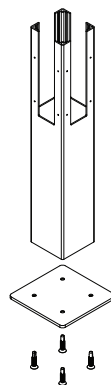


End Leg

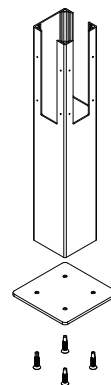
180° Leg



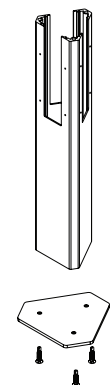
90° Leg



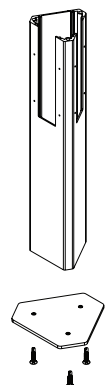
X Leg



T Leg



Y Leg



120° Leg

# Installation Guide

upCentric Power & Data Rail

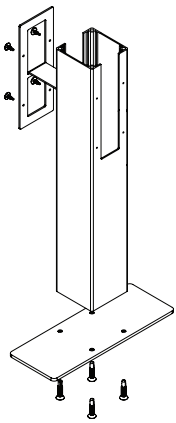


## Build Power Infeed Legs:

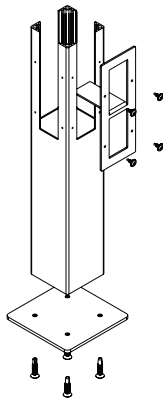
### a) Wall Power Infeed (WPI) Legs:

- Attach foot to bottom of each leg using flat head screws (Q).
- Secure the Infeed plate using pan head screws (R).

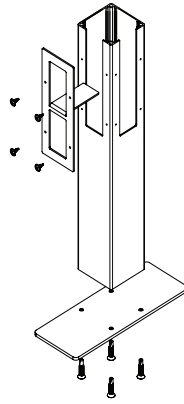
#### WPI - Wall Power Infeed



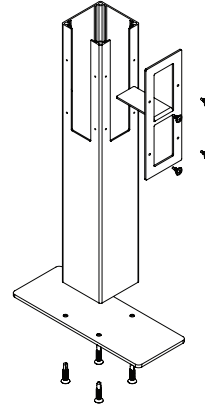
WPI - PIED



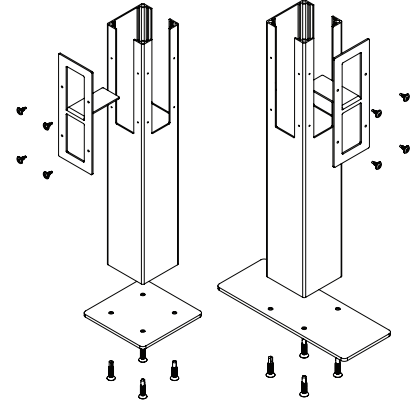
WPI - TC



WPI - PIED 90° G



WPI - PIED 90° D



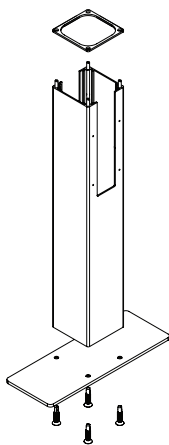
WPI - 90°

WPI - 180°

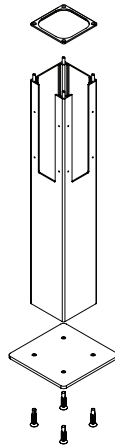
### b) Ceiling Power Infeed (CPI) Legs:

- Attach the Foot to the bottom of each leg using flat head screws (Q).
- Slide the plastic gasket (U) onto the four posts on top of each leg.

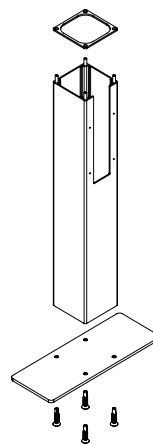
#### CPI - Ceiling Power Infeed



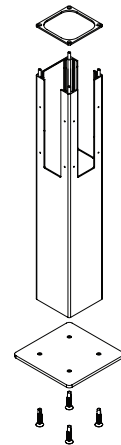
CPI - 180°



CPI - 90°



CPI - END



CPI - TC

# Installation Guide

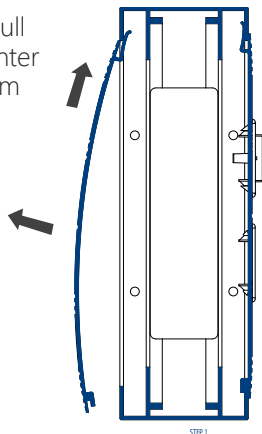
upCentric Power & Data Rail

**upCentric**

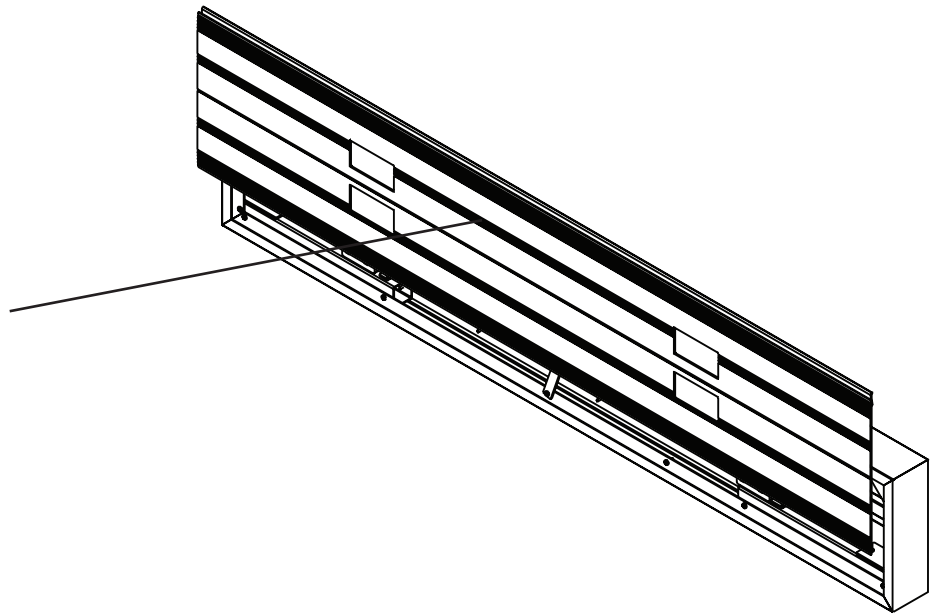
## Step 2: Remove Cover Panels and VGA Kits:

- a) Remove the Cover Panels from all rails and set them aside. Raise the panel from its lower edge and then pull the panel from the center until the bottom hook disengages from the lower lip of the rail.
- b) Set aside VGA addapter kit (F) and window cover (G).

\* Lift panel and pull out from the center to release bottom of the panel.



Rail assembly  
side view

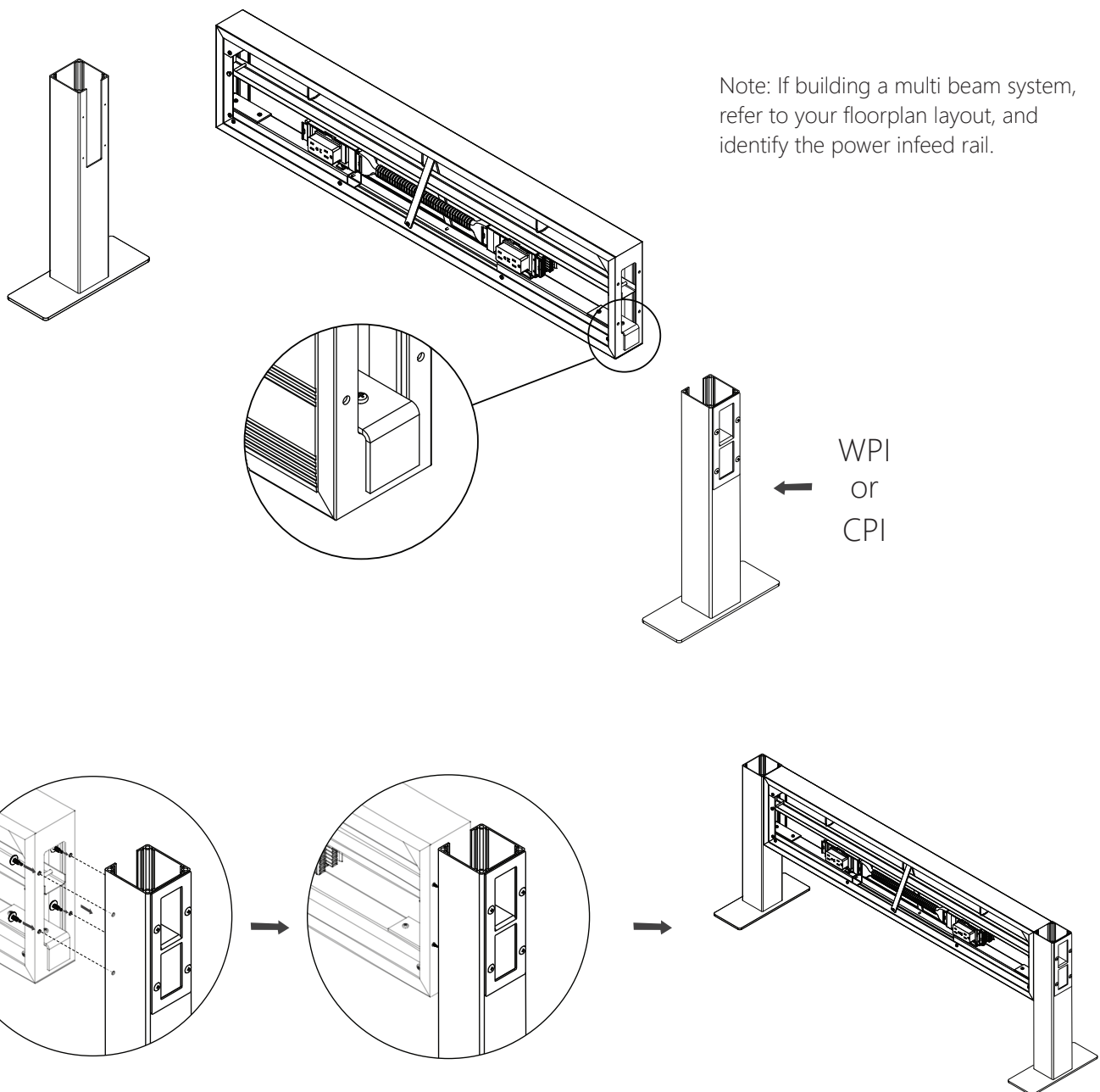


## Assemble the Power & Data Rail Systems

### Step 3: Assemble the first rail - "Power Infeed Rail"

- a) Hook both ends of the first rail to your power infeed leg and to the next leg in the layout.
- b) Attach rail to legs with pan head screws (R).

Note: When building a single rail system and the second leg is an End Leg, proceed to step 7.



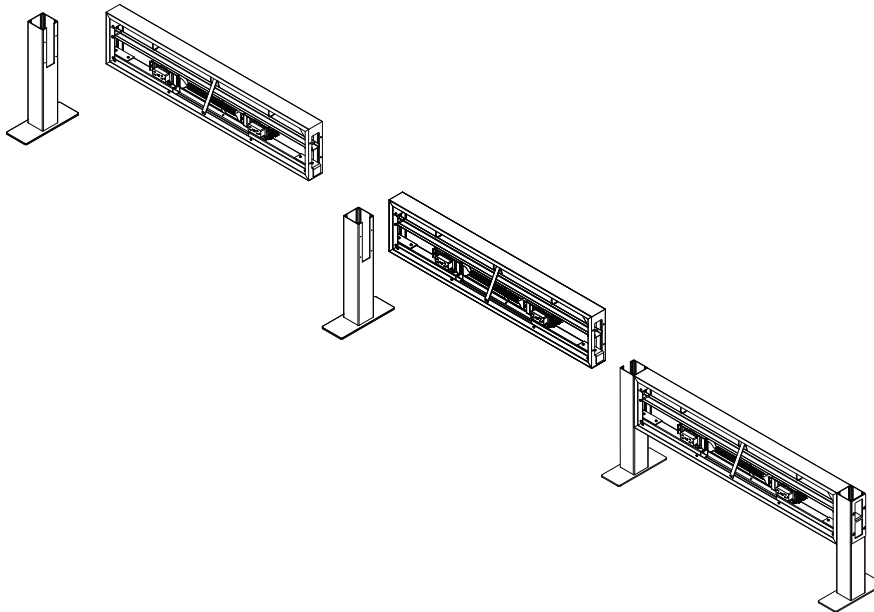
# Installation Guide

upCentric Power & Data Rail

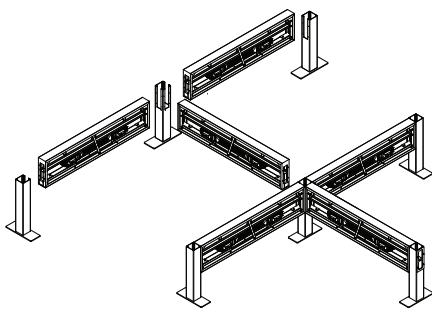
upCentric®

## Step 4: Installing the next Rail

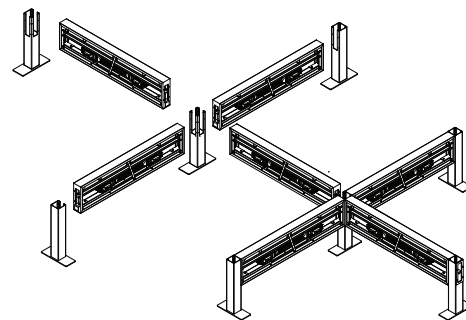
Install the subsequent rails and legs according to the layout, repeating the steps outlined in Step 3. Continue this process until you have completed the entire layout.



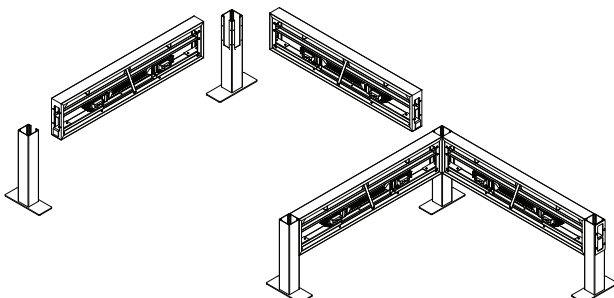
Configuration 180°



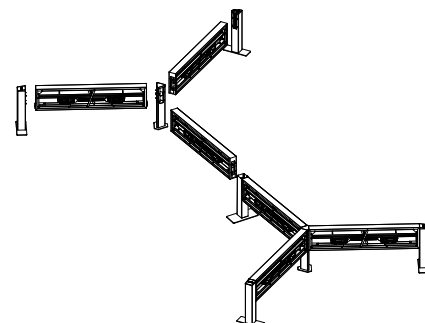
Configuration T



Configuration X



Configuration 90°



Configuration Y

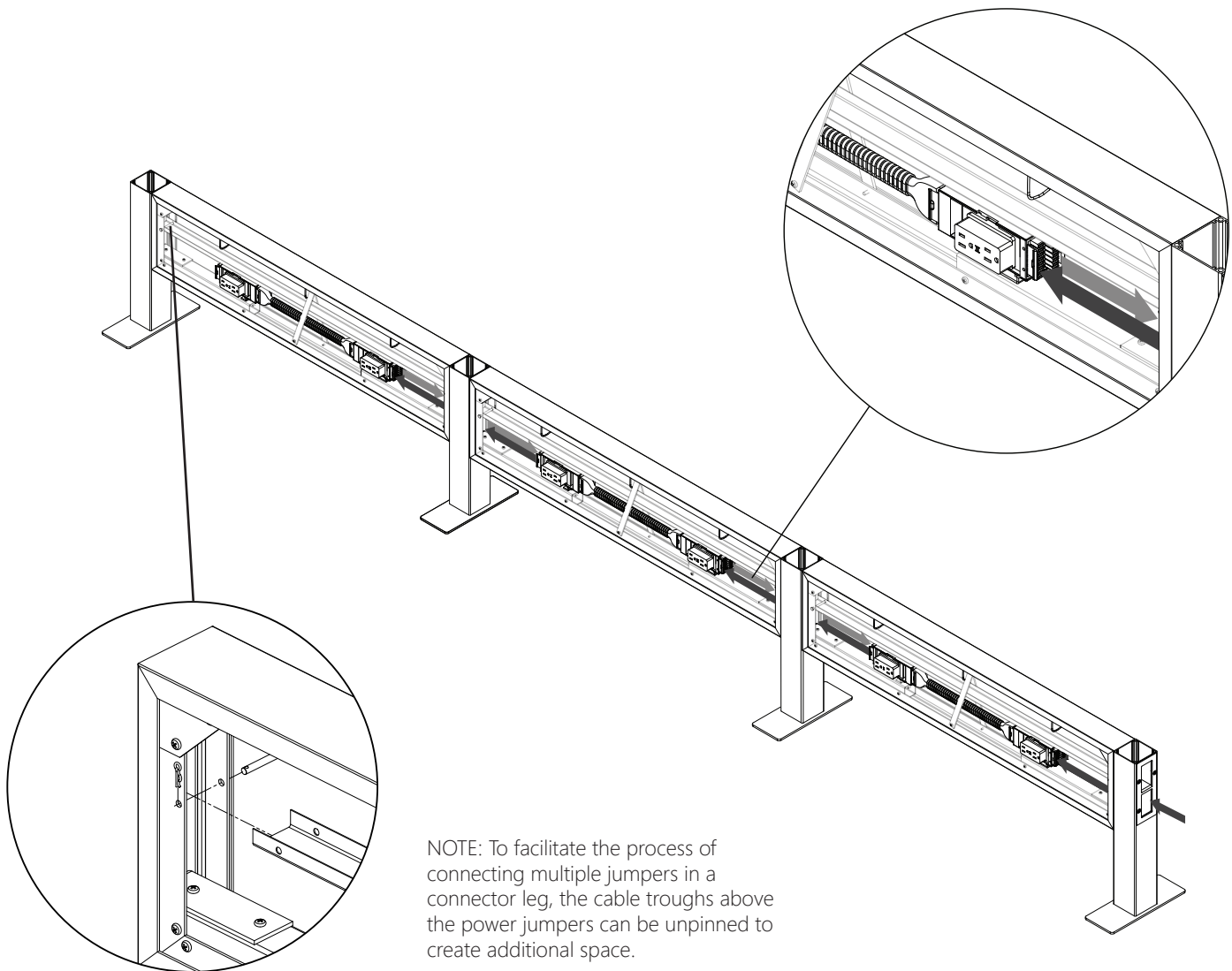
# Installation Guide

upCentric Power & Data Rail



## Step 5: Install Jumpers to interconnect all rails:

- a. Begin with the First Rail and install a Jumper between the first and second rail. Run the Jumper through the connector leg, and attach each end to the nearest Junction Block (D).
- b. Repeat this process until every rail in the system is connected to the Power Infeed Rail.

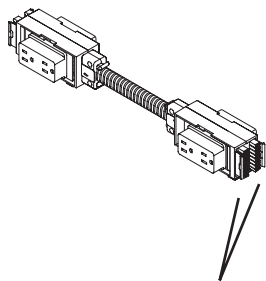
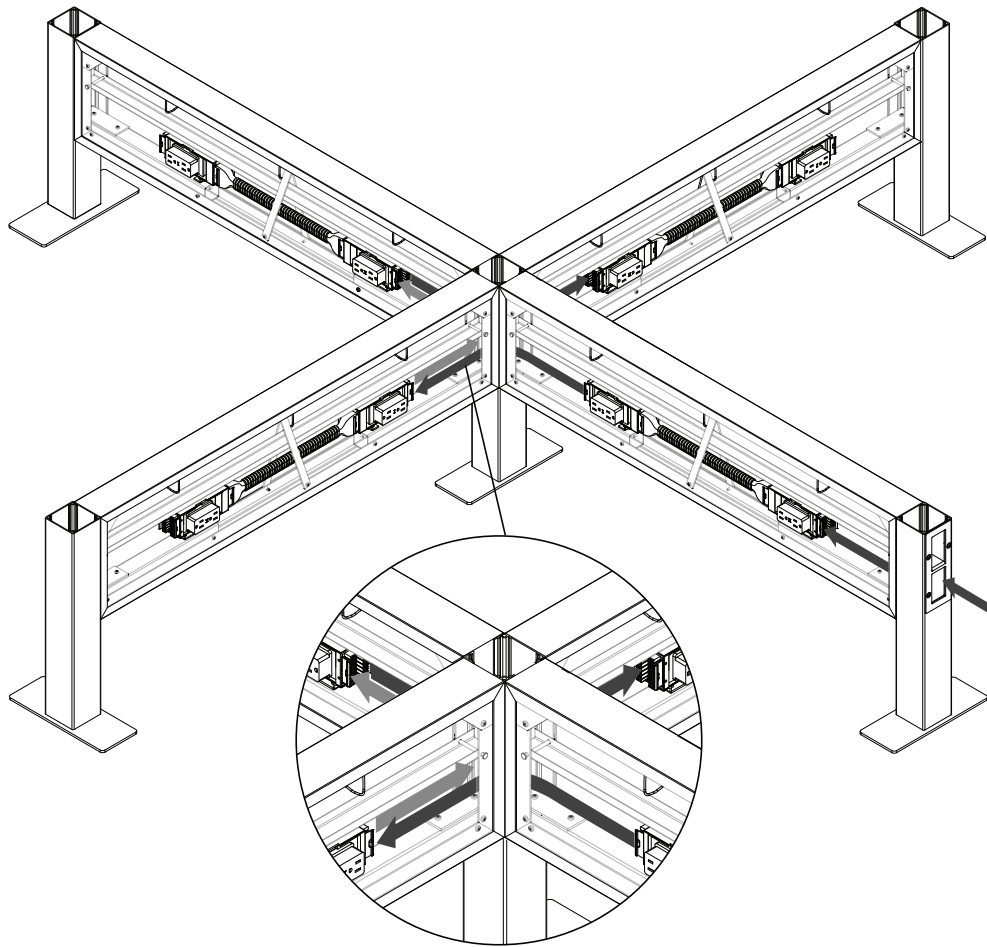


NOTE: To facilitate the process of connecting multiple jumpers in a connector leg, the cable troughs above the power jumpers can be unpinned to create additional space.

# Installation Guide

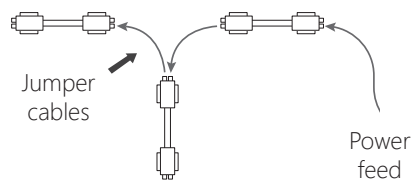
upCentric Power & Data Rail

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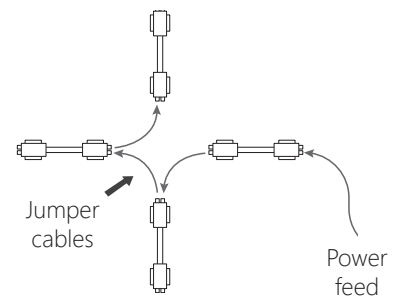
Accommodates two  
jumper cable connections

3-way routing



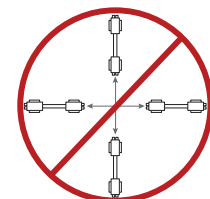
When 3-way routing (T leg or Y  
leg), use two jumpers.

4 - way routing



When 4-way routing ( X leg),  
use three jumpers.

Note: Connect jumpers as shown above.  
Do not cross Jumpers.





# Installation Guide

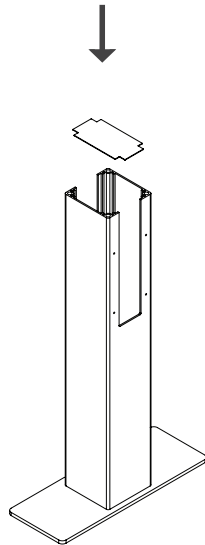
upCentric Power & Data Rail



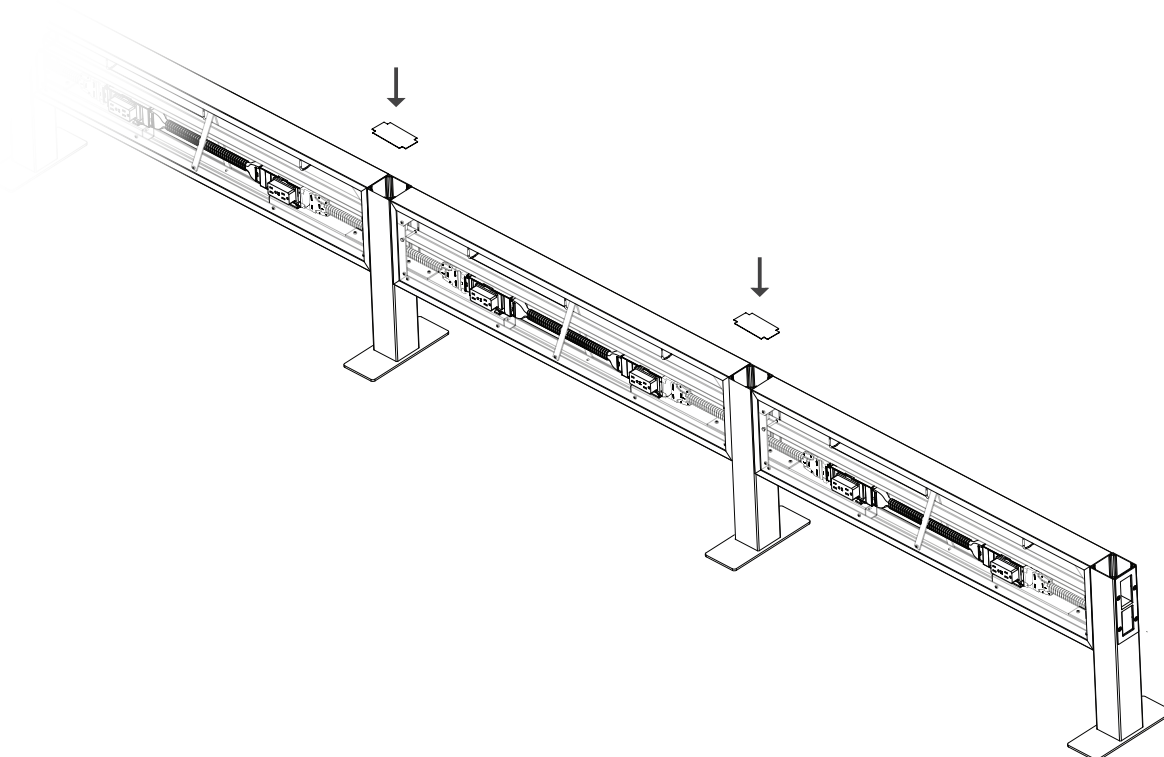
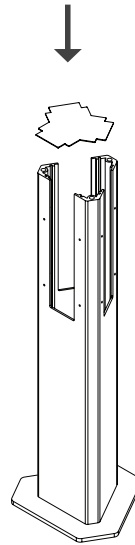
## Step 6: Install Leg Divider Plates:

Place the leg divider plates into all connector legs, ensuring that the tabs rest on top of the Data Cable Troughs in the rails, effectively covering all Power Jumpers.

This plate can  
also be used for :  
180 leg, 90 leg,  
X leg and T leg



This plate can  
also be used for :  
Y leg only



# Installation Guide

upCentric Power & Data Rail

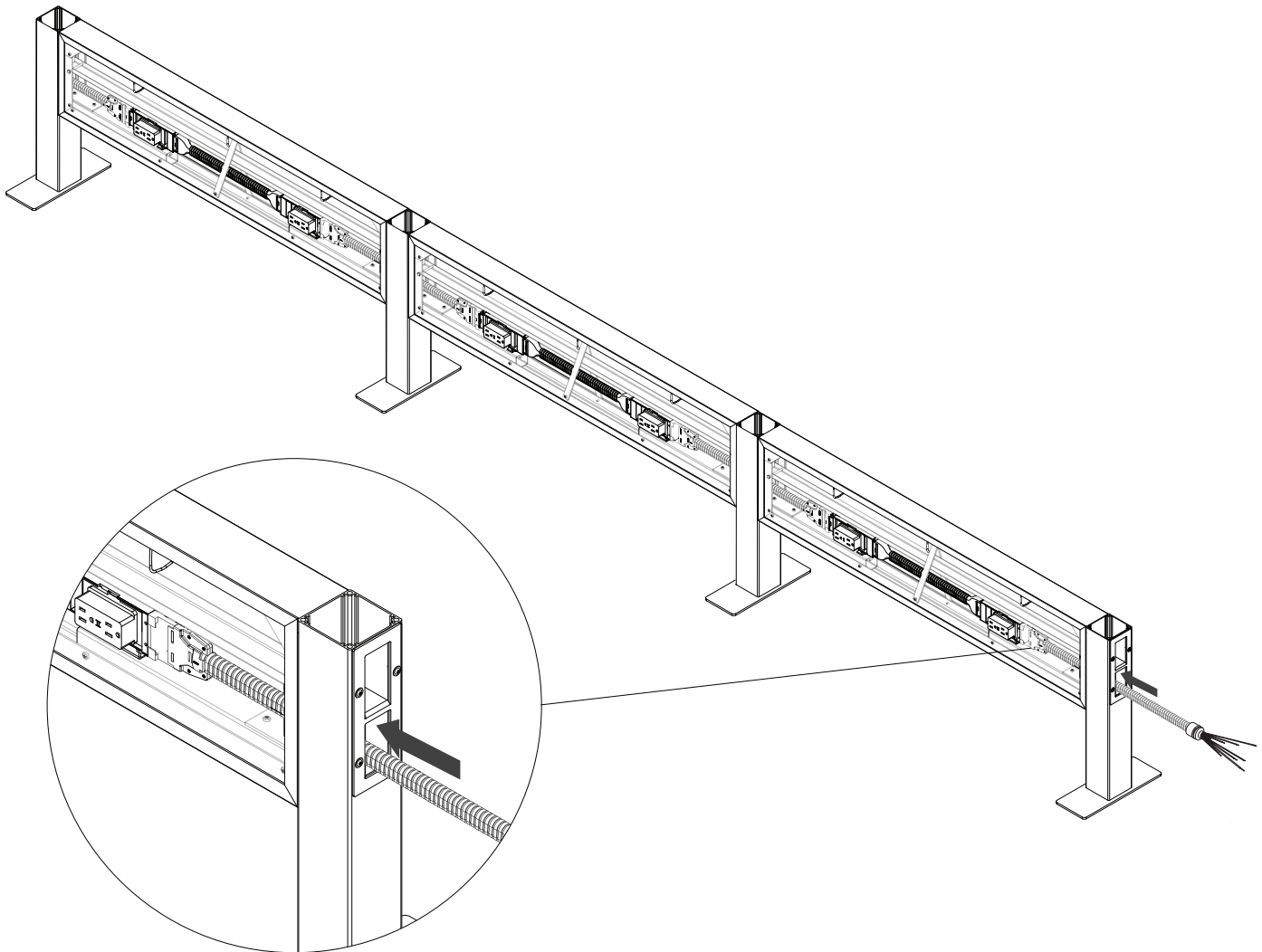


## Step 7: Connect and test the system:

Note: Power Infeed Cable must be installed before performing this step.  
Power Infeeds must be installed by a licensed electrician. Please see Power Infeed Electrical Installation guide for details.

Wall Power Infeed:

- a) Route the Power Infeed Cable into the system through the lower opening on the Infeed plate and connect it to the first power block.
- b) Test all Duplexes to ensure proper connectivity and functionality.



# Installation Guide

upCentric Power & Data Rail

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## b. Ceiling Power Infeed:

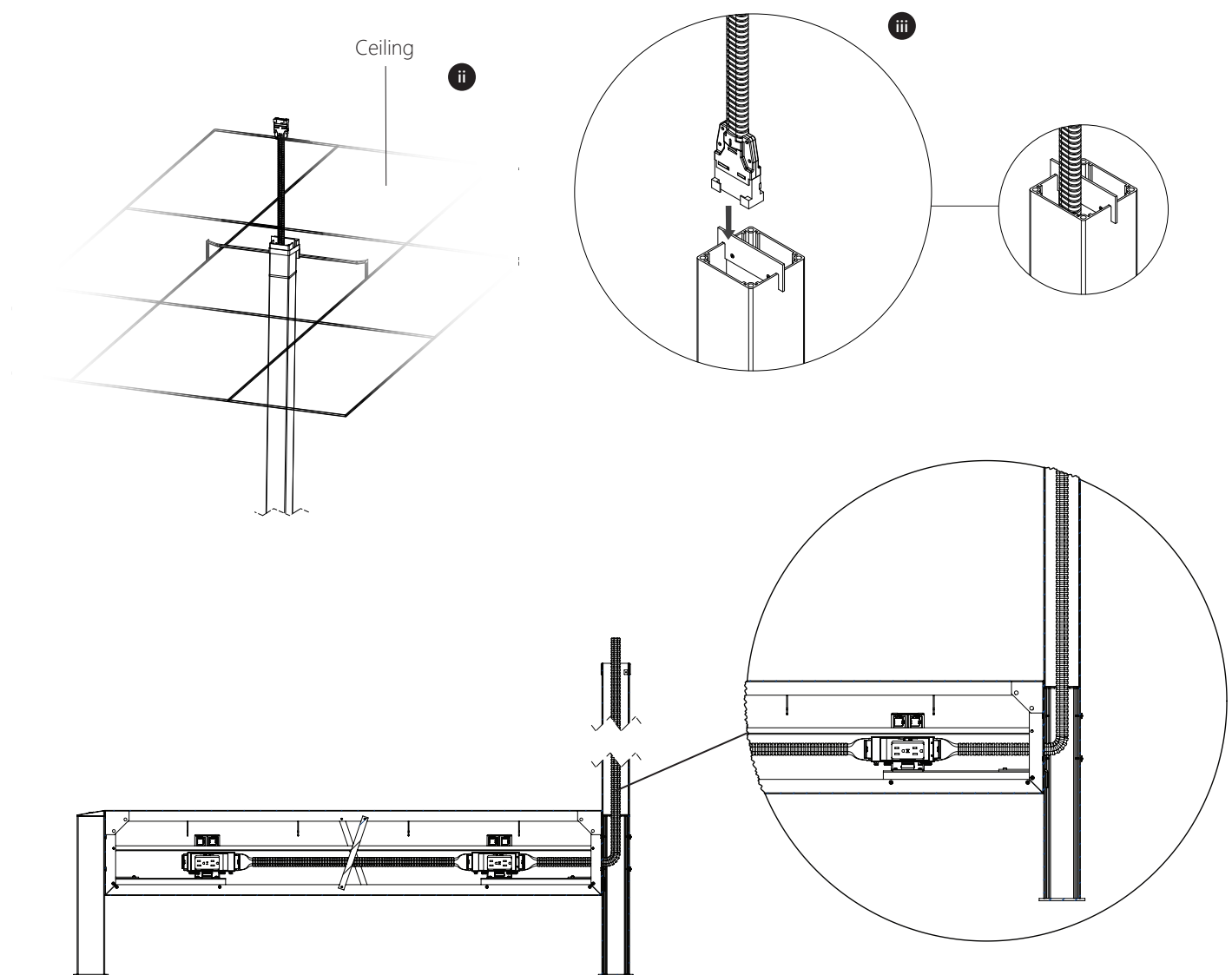
i. Position the ceiling pole on top of the CPI leg, inserting the four posts into the corresponding holes at the bottom.

ii. Secure the pole to the ceiling using the Ceiling bracket (T). Attach ceiling bracket to T-frame ceiling directly above power leg. Use velcro strap to hold power pole in place.

Note: Keep the Velcro strap slightly loose to allow for lifting.

iii. Route the power cable into the top of the pole and run it through to the end, where it enters the First Rail and connects to the power block.

Note: It may be necessary to lift the ceiling pole off the leg to access the wire and properly run it into the system.



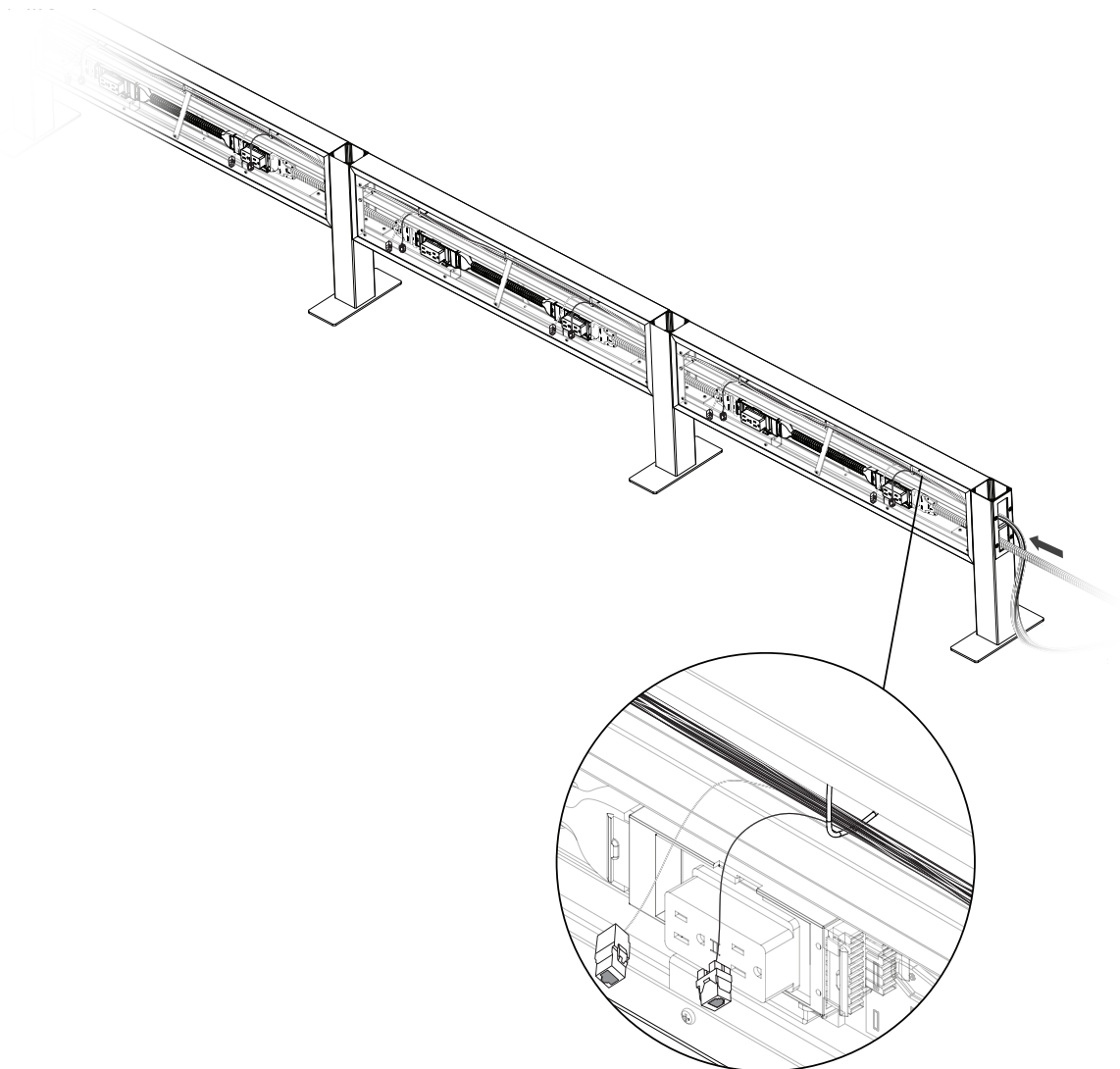
## Run Data Cables

### Step 8: Run Data Cable into the Rail System

*(Skip to step 9 if data cables are not used with the rail)*

#### a) Wall Power Infeed Legs:

- i. Feed the Ethernet Cables into the system through the upper opening on the Infeed plate.
- ii. Run the cables through the upper channel in the Power & Data Rail system, ensuring that the Ethernet endings reach their intended locations (refer to layout for larger systems). Leave approximately 6"-12" of slack for each cable.
- iii. Utilize the Data Cable Support Clip (E) to secure the wires to the top of the upper channel as you run them through the system, ensuring they remain in place.



# Installation Guide

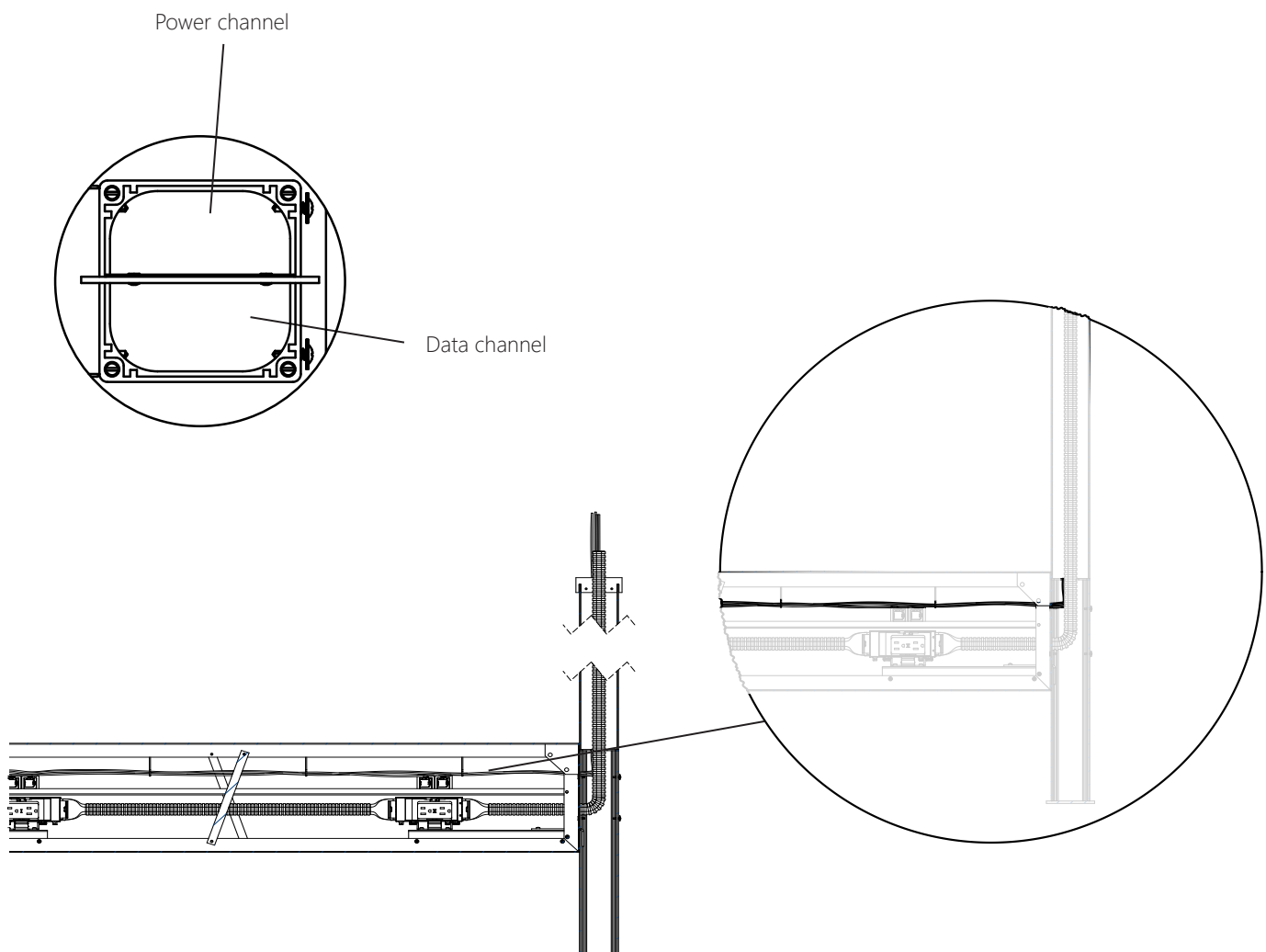
upCentric Power & Data Rail



## b. CPI Legs:

- i. Feed the Ethernet cables down the Ceiling pole, using the channel opposite the power cable.
- ii. Pull the cables down through the pole and into the First Rail and through entire system
- iii. Run the cables through the upper channel in the Power & Data Rail system, ensuring that the Ethernet endings reach their intended locations (refer to layout for larger systems). Leave approximately 6"-12" of slack for each cable.
- iv. Utilize wire the Data Cable Support Clip (E) to secure the wires to the top of the upper channel as you run them through the system, ensuring they remain in place.

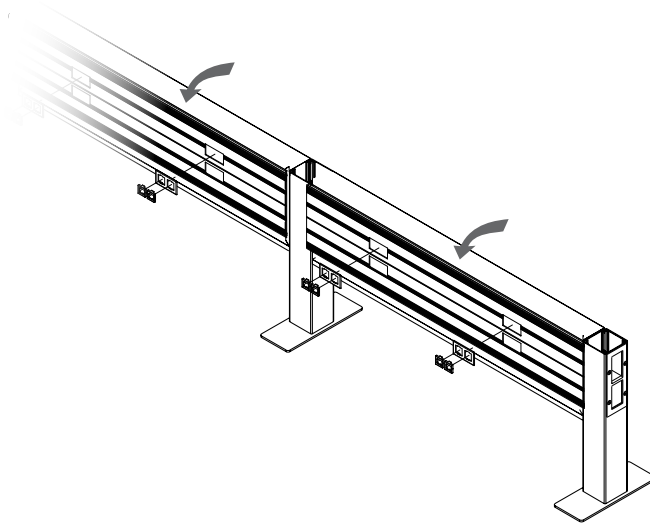
Note: It may be necessary to loosen the power pole ceiling bracket and lift the ceiling pole off the leg to facilitate the pulling of all Data cables.



## Finishing the Assembly

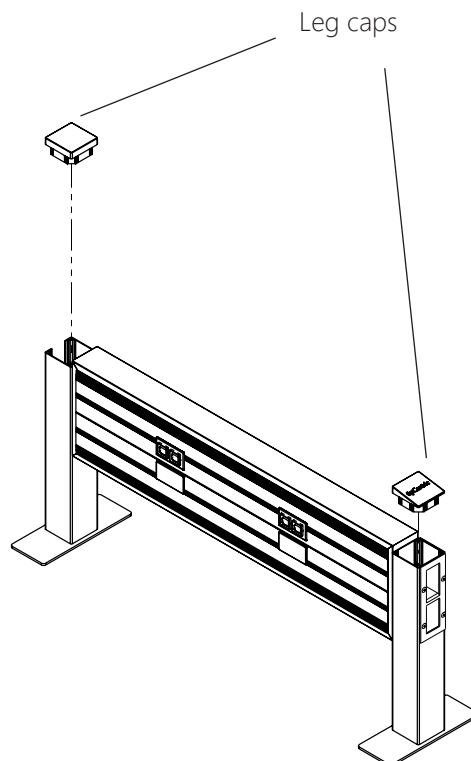
### Step 9: Install Cover Panels

- a) Run wires through openings in the Voice/Data Plate (H) in the cover panel, then reinstall the cover panel.
- b) Use adaptors from VGA adaptor Kits (F) to fit ethernet cable ends into the Voice/Data Plate.
- c) Cover all unused data port windows with solid window covers from VGA kits



### Step 10: Installing Leg Caps:

Install the leg caps to provide a finished appearance and protection to the leg ends.



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fx: 1 800 848-5190 | 905 696-0899

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[ergocentric.com](http://ergocentric.com)

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