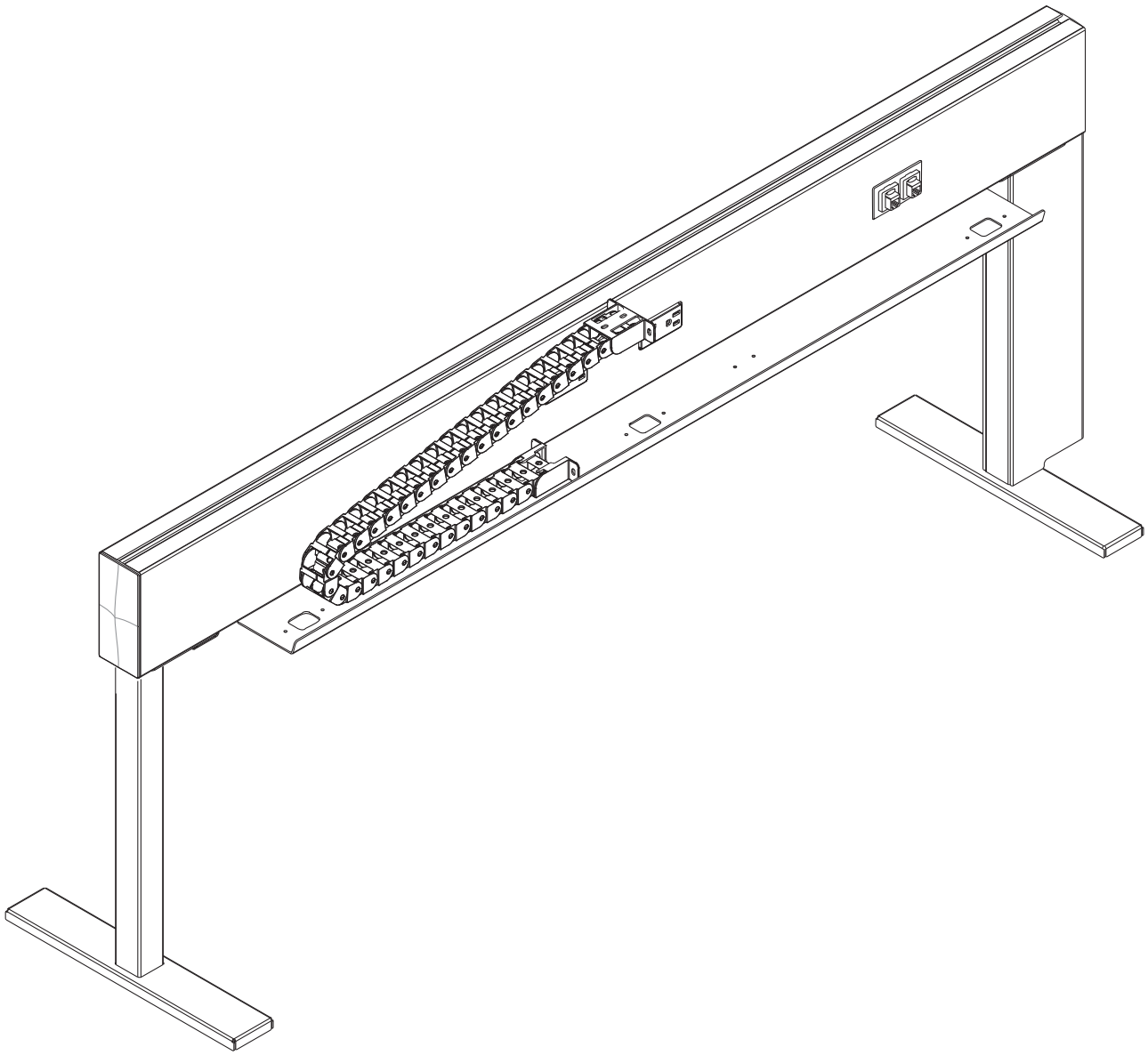
eBEAM

ASSEMBLY INSTRUCTIONS

eBEAM is a straightforward, streamlined solution for adding power to your workstations. With adaptable legs, multiple beam lengths and cable management options that make it practically mess-free, eBEAM is simply powerful (and powerfully simple).



EBEAM ASSEMBLY INSTRUCTIONS

COMPONENT LIST

Component quantities shown are for a standard 2-seat back-to-back configuration.

Quantities will vary with user specifications. For more information, see the table on page 22.

For accessory components, see page 12.

Beam
- Beam (1)
- End Cap (2)

Legs
- Leg (2)
- Mounting Plate (2)
- 5⁄16"–18 × ¾" Screw (4)

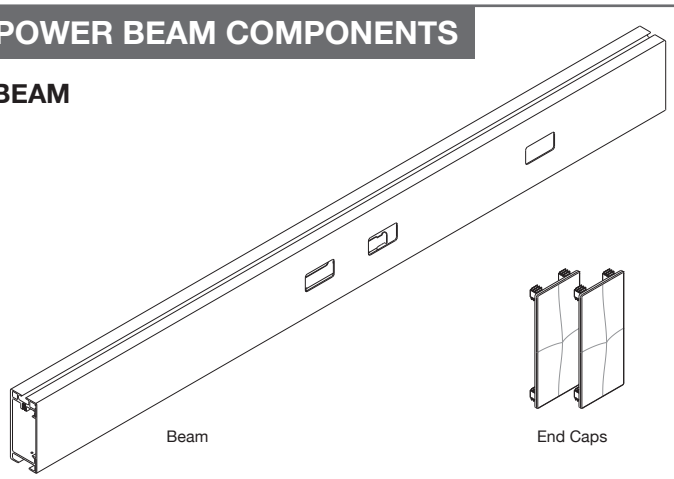
Power
- Power Distribution Harness (1)
- Middle Clip (1)
- Duplex Receptacles (4)
- Power Infeed (1)
- Hose Clamp (1)
- #10–24 × ⅜" Screw (1)

Data Pack
- Data Adapter Tree (1)
- Blank Faceplate (2)
- Data Faceplate (2)

Ganging (If Applicable)
- Ganging Bracket (1)
- #10–24 × ⅜" Screw (6)
- Jumper (1)

POWER BEAM COMPONENTS

BEAM

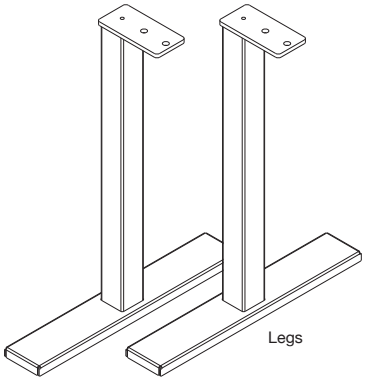


Beam

End Caps

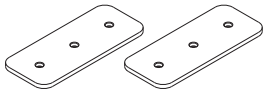
LEGS

Installation may not use all of the provided screws or mounting plates.



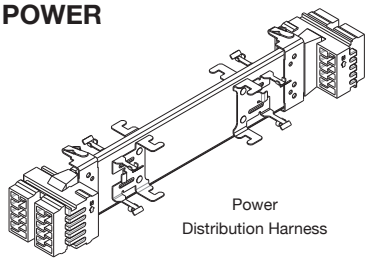
Legs

5⁄16"–18 × ¾" Screws

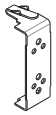


Mounting Plates

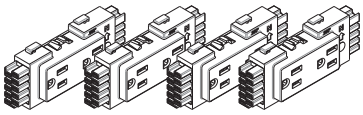
POWER



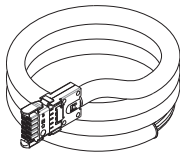
Power Distribution Harness



Middle Clip



Duplex Receptacles



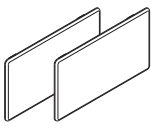
Power Infeed

#10–24 × ⅜" Screw

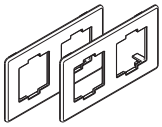
Hose Clamp

DATA PACK

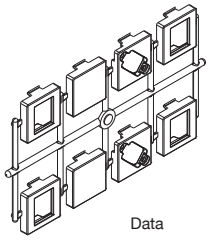
Data adapters are not included.
See page 23 for a list of compatible jacks.



Blank Faceplates



Data Faceplates

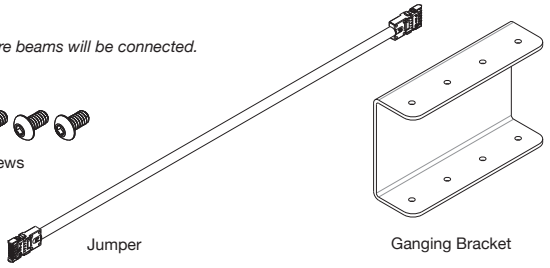


Data Adapter Tree

GANGING

Included if two or more beams will be connected.

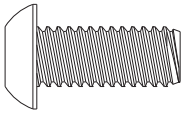
#10–24 × ⅜" Screws



Jumper

Ganging Bracket

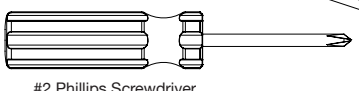
1:1 SCALE



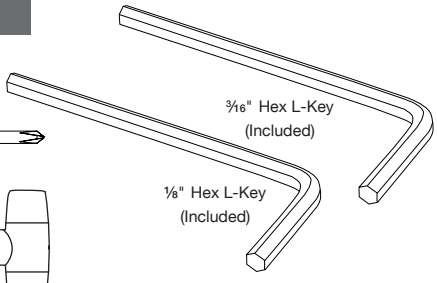
5⁄16"–18 × ¾"

#10–24 × ⅜"

REQUIRED TOOLS

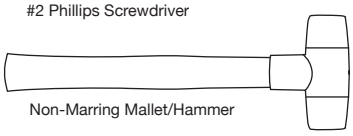


#2 Phillips Screwdriver



3⁄16" Hex L-Key (Included)

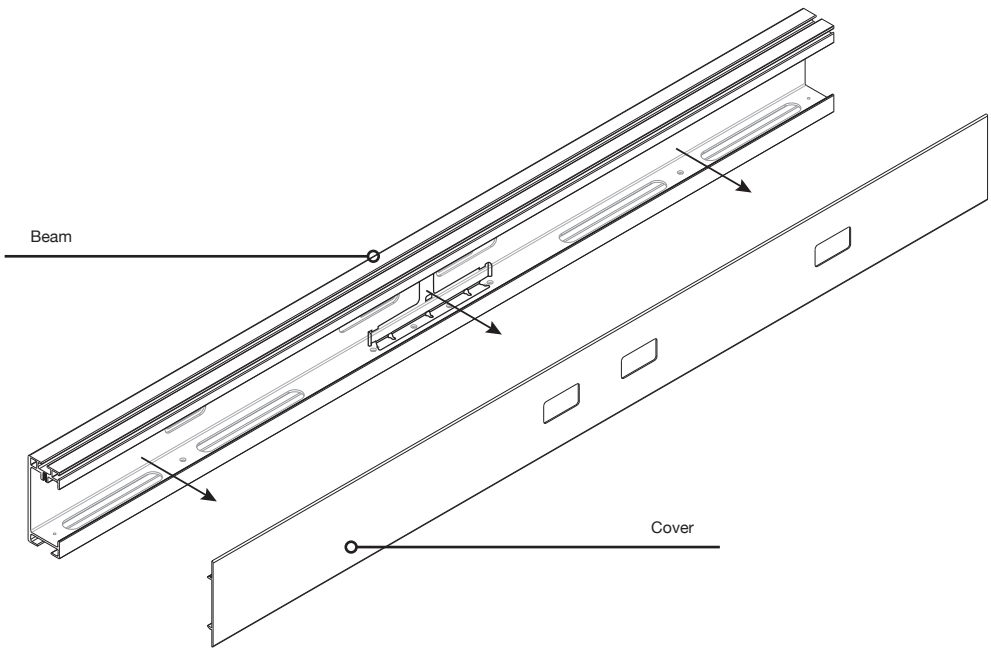
1⁄8" Hex L-Key (Included)



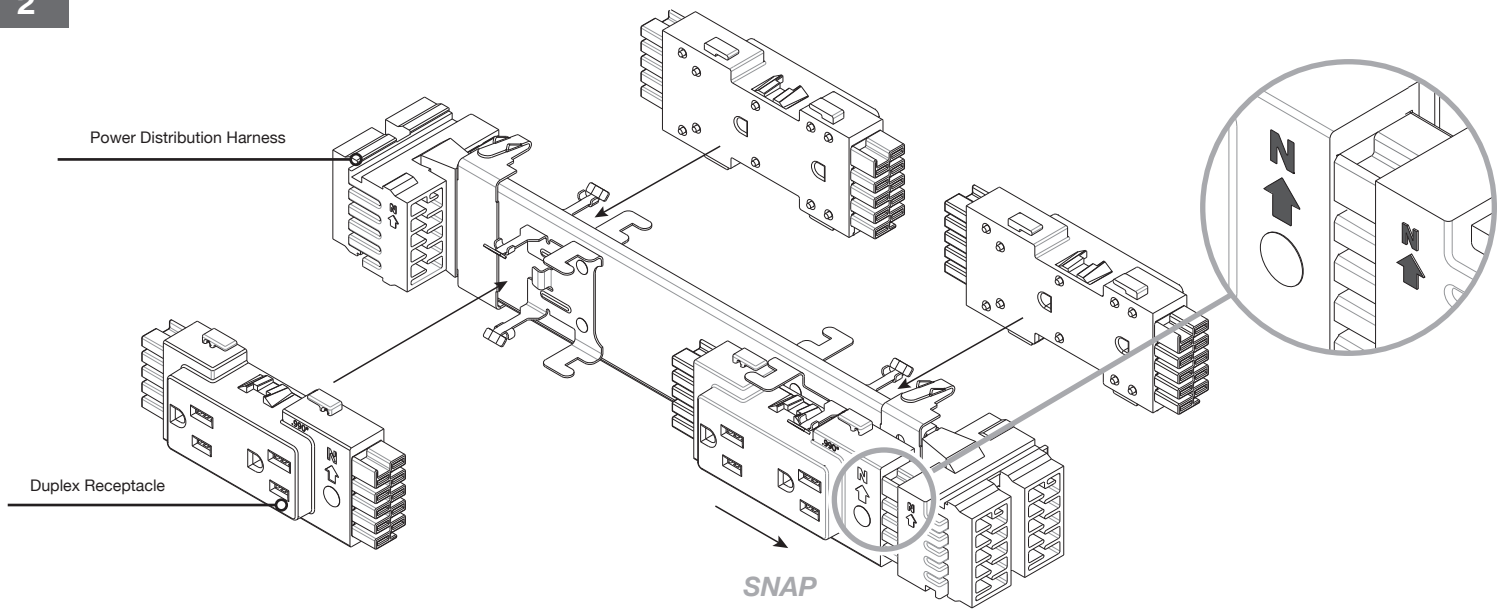
Non-Marring Mallet/Hammer

EBEAM ASSEMBLY INSTRUCTIONS

1



2

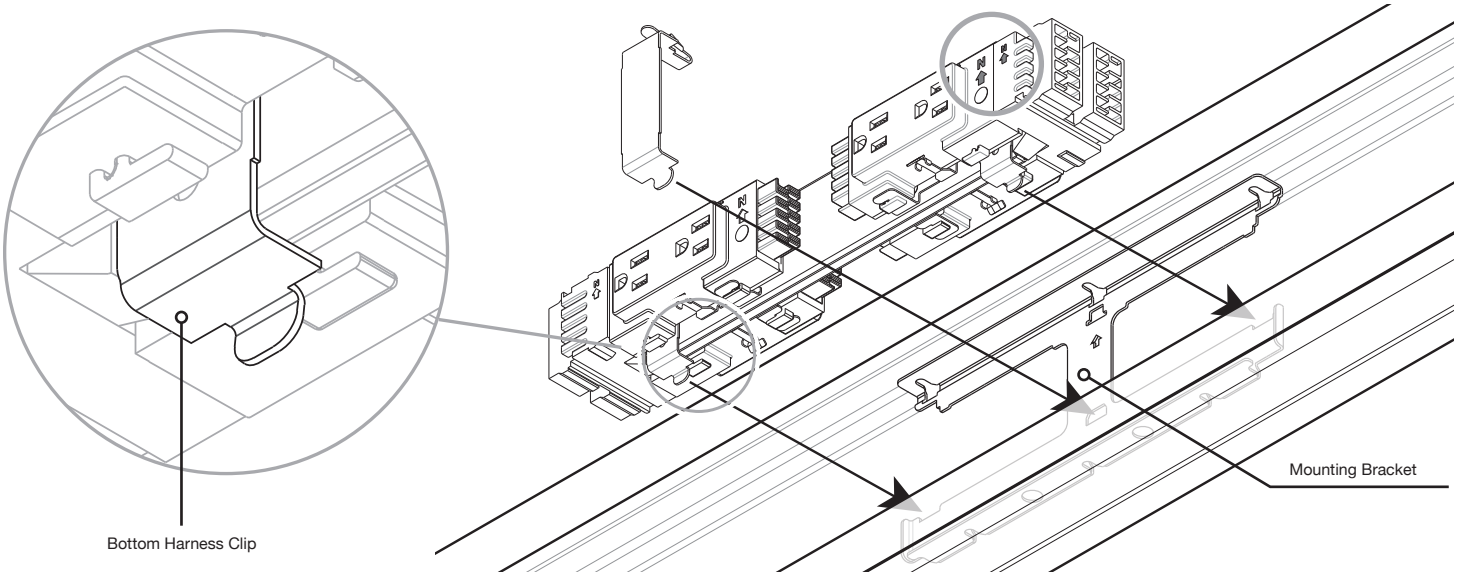


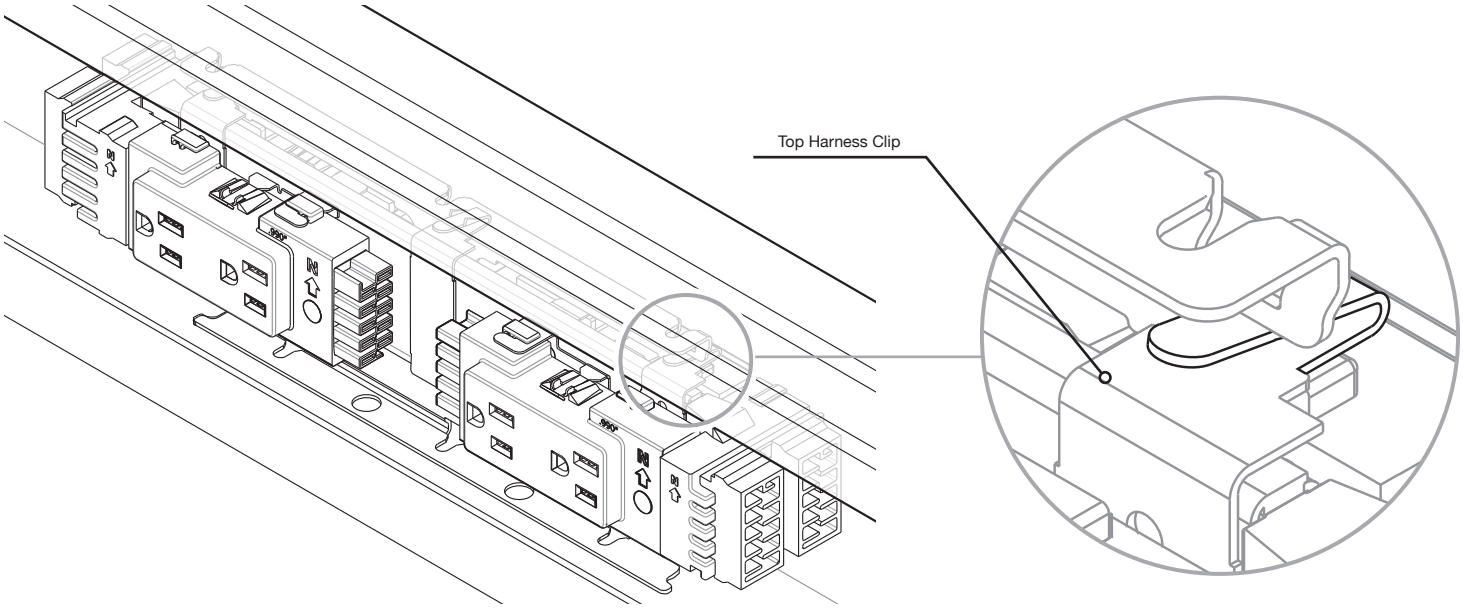
STEPS

Note: We recommend reading these instructions in their entirety and laying all components out in advance.

1. Remove cover from beam and set aside.
2. If duplex receptacles were purchased, set them into the power distribution harness with the arrows pointing up, then slide outwards to snap them into place.

3





STEPS

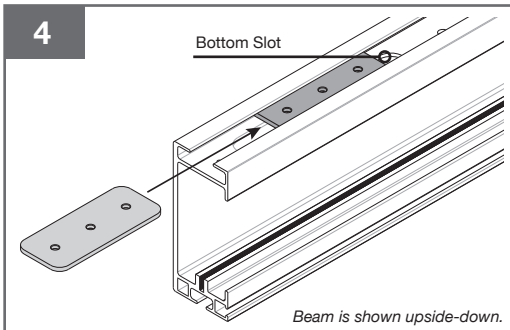
To attach a distribution harness:

3. Align distribution harness with the pre-installed mounting bracket, ensuring that the arrows on both the distribution harness and the duplexes point up. Hook the bottom harness clips first, then rotate slightly and apply pressure to snap the top harness clips into the mounting bracket. The mounting bracket is pre-installed on the inside center of the beam.

   Place the middle clip over the distribution harness and attach it to the mounting bracket, hooking the bottom first, before snapping the top of the clip into mounting bracket.

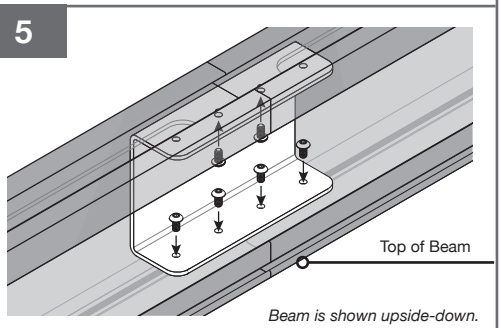
EBEAM ASSEMBLY INSTRUCTIONS

4



Beam is shown upside-down.

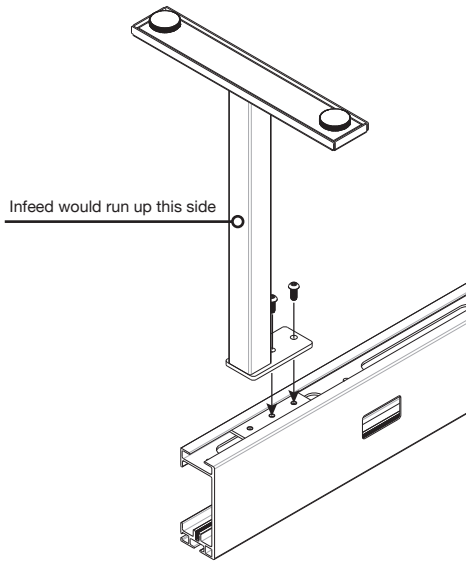
5



Beam is shown upside-down.

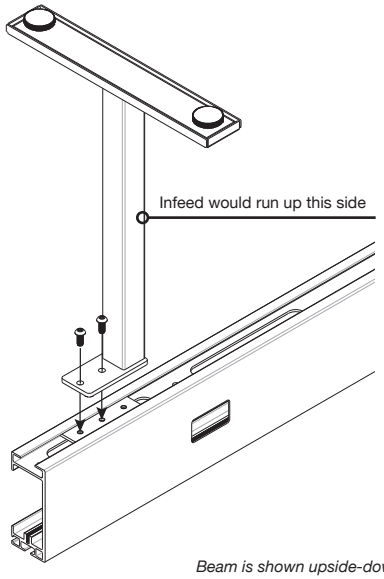
6

LEG FACES IN



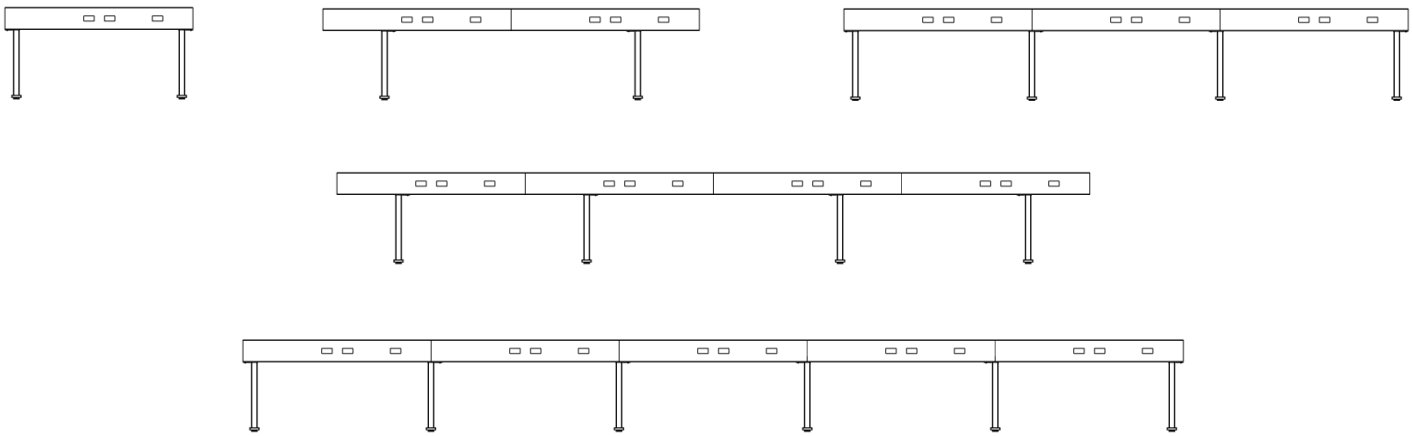
Beam is shown upside-down.

LEG FACES OUT



Beam is shown upside-down.

RECOMMENDED LEG PLACEMENT



STEPS

For leg installation without wire trays, complete steps 4–6 below.
For leg installation with wire trays, see steps 7–11 (pages 6–7).

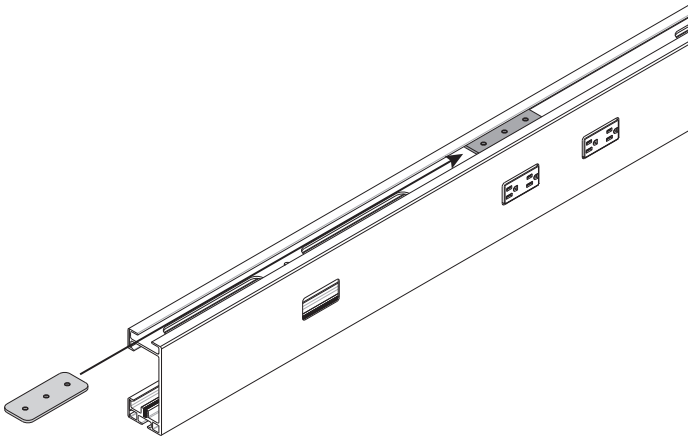
4. Flip the beam upside-down and slide in one mounting plate per leg, aligning them to the desired locations, leaving at least a 3" gap in one of the bottom slots for the power infeed and ¾" spacing from the open ends of the beam for the end caps.

5. **If attaching multiple beams:** From within the ganging bracket, inside of the beam (shown inverted above), fasten the ganging bracket using the ⅛" hex L-key to install two #10–24 × ⅜" screws up into the inside bottom of the beam and four #10–24 × ⅜" screws down into the inside top of the beam.

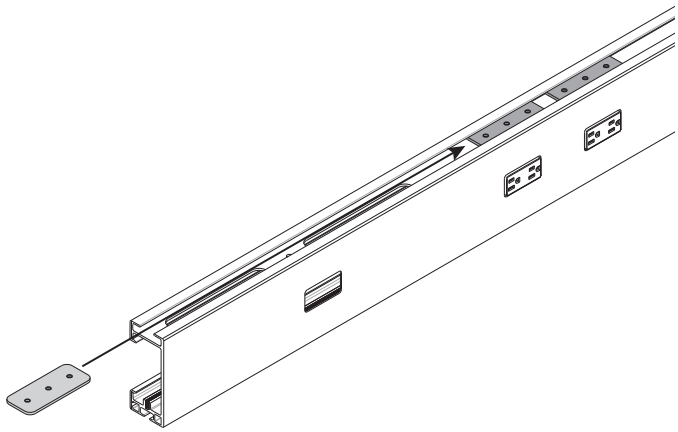
6. Place the legs in position and use the 3⁄16" hex L-key to secure them in place with two 5⁄16"–18 × ¾" screws per mounting bracket. Turn beam upright. Note: Legs can be mounted in two different directions.

7

SINGLE-SIDED

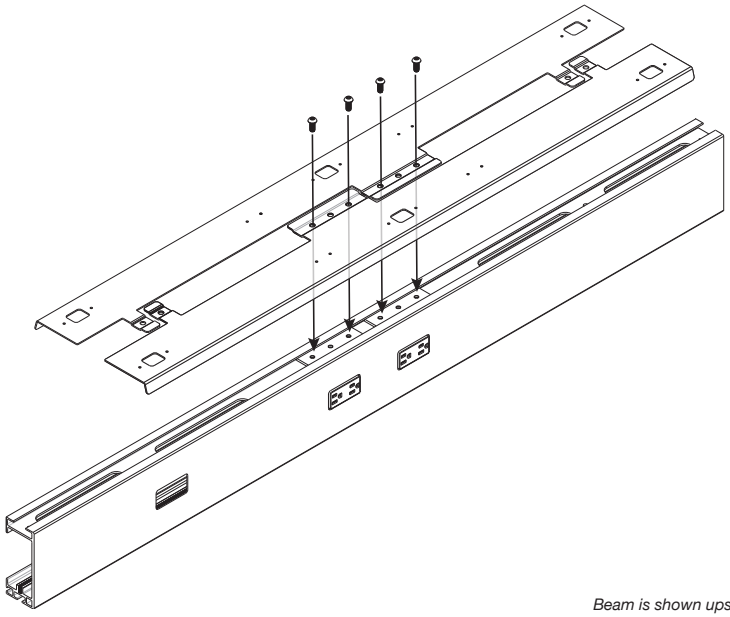


BACK-TO-BACK



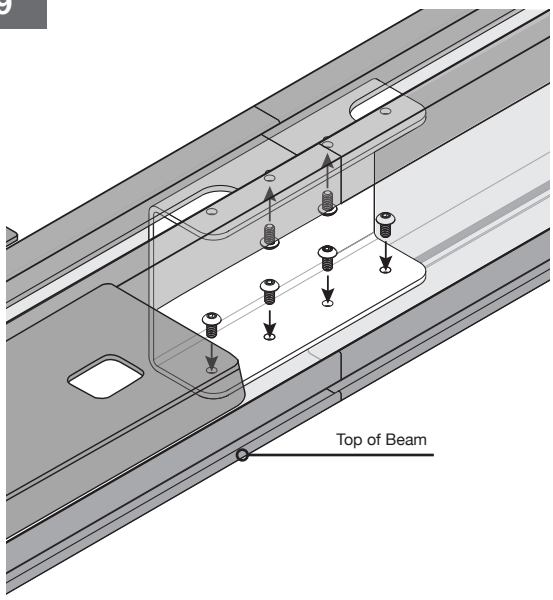
Beam is shown upside-down.

8



Beam is shown upside-down.

9



Beam is shown upside-down.

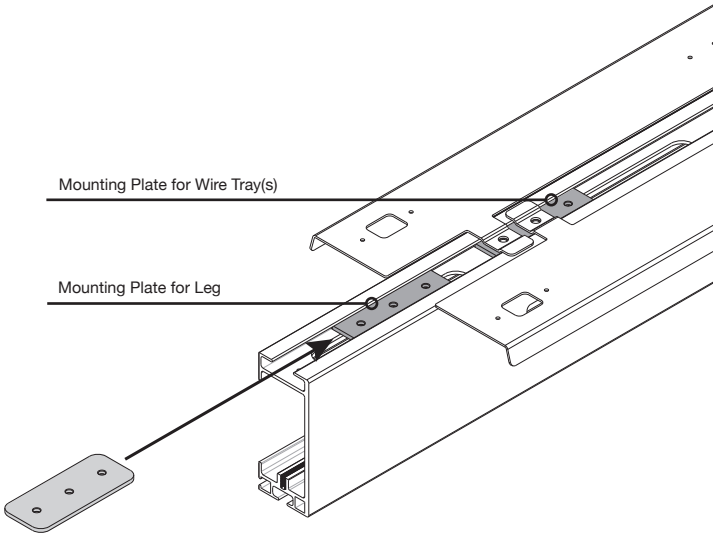
STEPS

For leg installation with wire trays complete steps 7–11:

7. Flip the beam upside-down and slide in one mounting plate per wire tray, aligning them with the central holes of the beam.
8. Place the wire tray(s) in position and then secure the trays to the mounting plates by using the 3⁄16" hex L-key to fasten two 5⁄16"–18 × ¾" per mounting plate.
9. **If attaching multiple beams:** From within the ganging bracket, inside of the beam (shown inverted above), fasten the ganging bracket using the ⅛" hex L-key to install two #10–24 × ⅜" screws up into the inside bottom of the beam and four #10–24 × ⅜" screws down into the inside top of the beam.

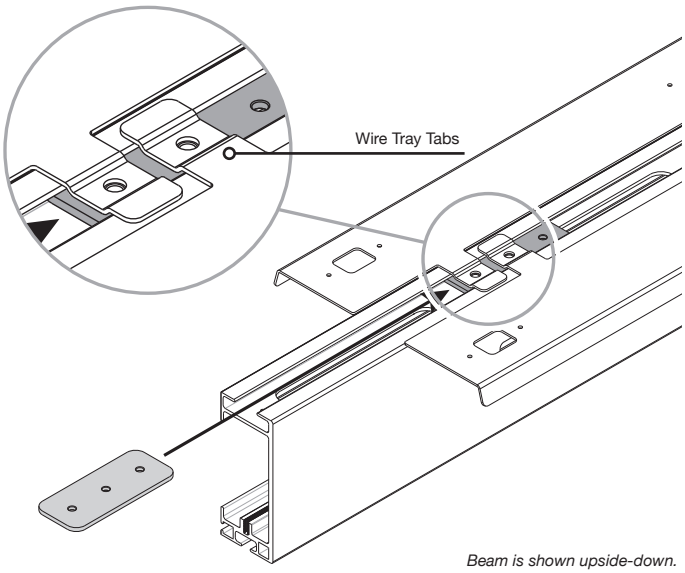
EBEAM ASSEMBLY INSTRUCTIONS

10 SEPARATE MOUNTING PLATE



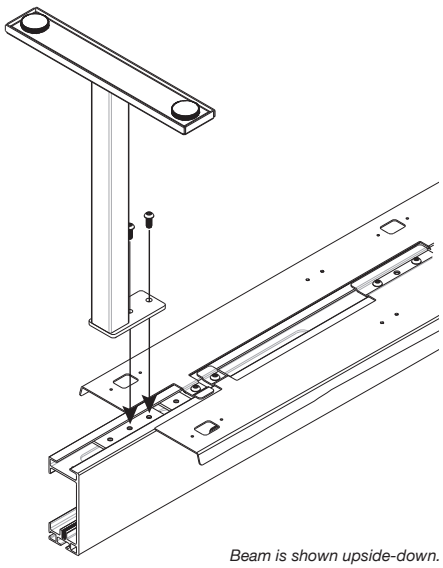
Beam is shown upside-down.

SHARED MOUNTING PLATES



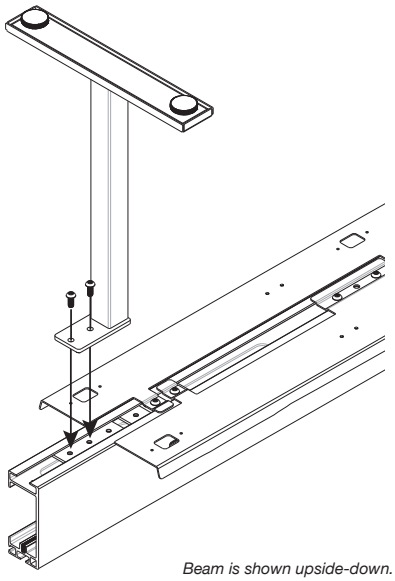
Beam is shown upside-down.

11 MOUNTING PLATE FACES IN



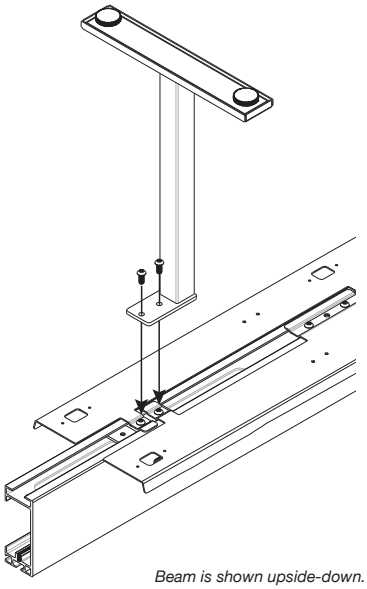
Beam is shown upside-down.

MOUNTING PLATE FACES OUT



Beam is shown upside-down.

SHARED MOUNTING PLATE



Beam is shown upside-down.

STEPS

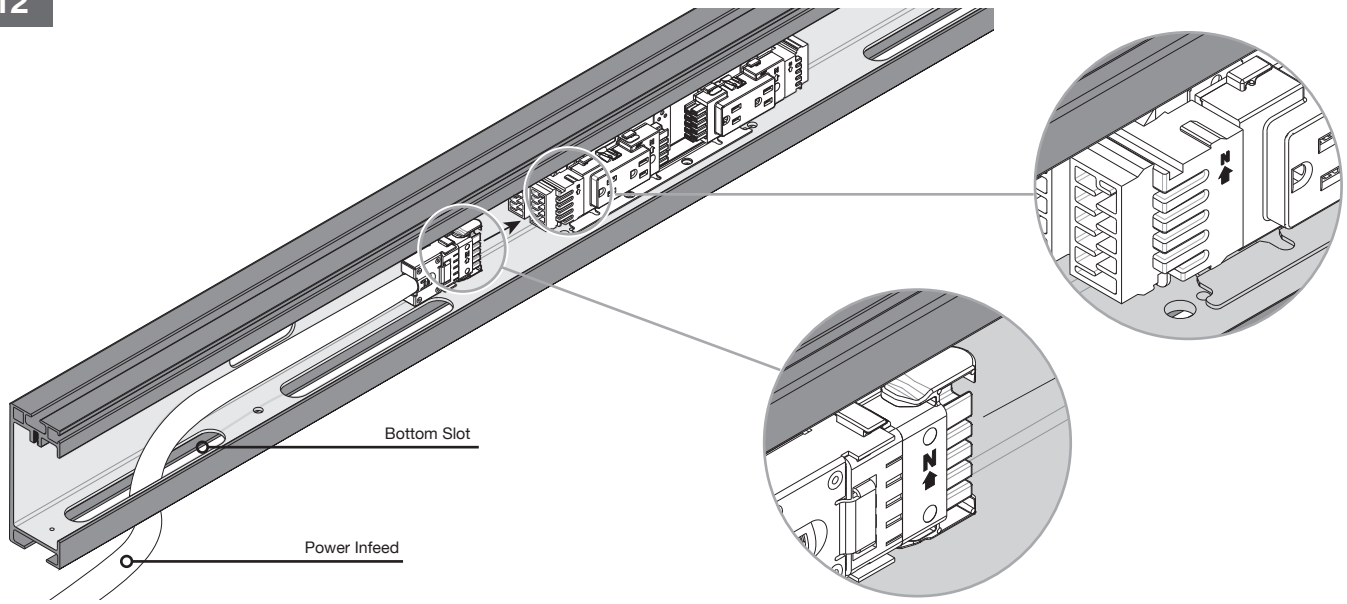
10. **If legs share mounting plates with the wire tray(s):** Slide in one mounting plate per leg and align them to the outer wire tray tabs. (Use this installation option with the mounting plate closest to the infeed when using a 48" beam.)

    If legs do not share mounting plates with the wire tray: Slide in one mounting plate for each leg and set of wire tray tabs. The mounting plates for the legs can be placed inside or outside the wire trays' outer mounting plates.

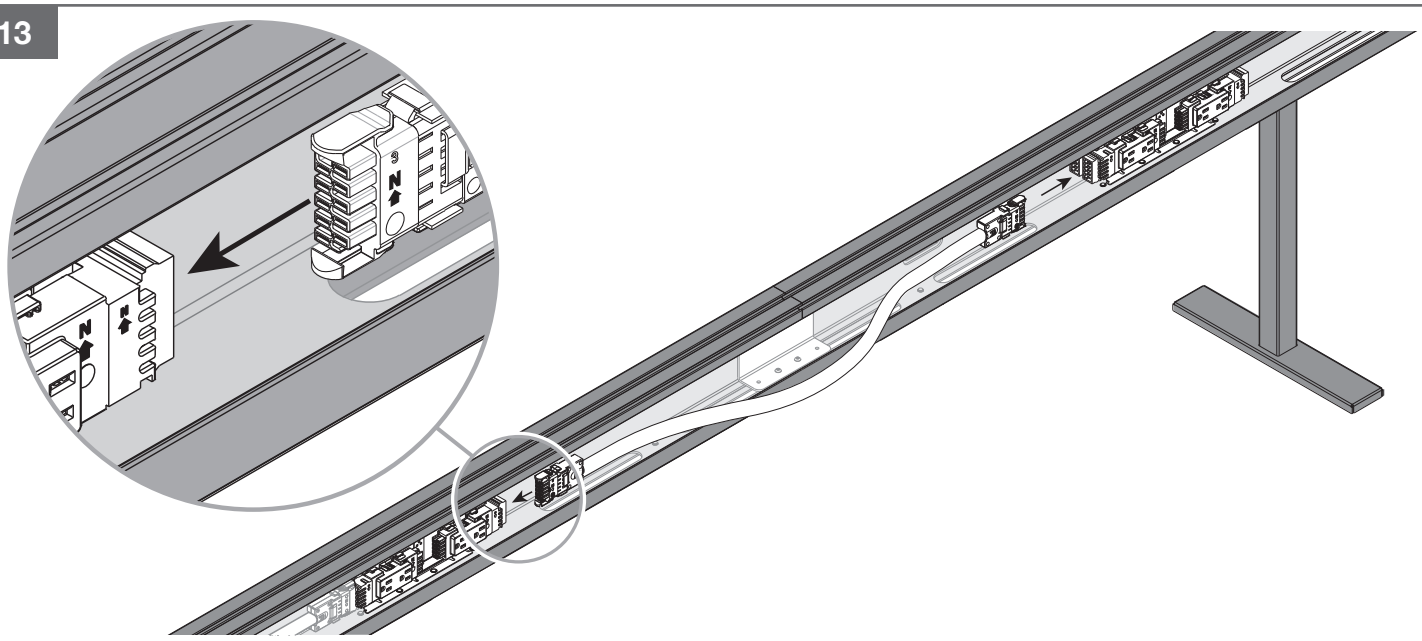
    Note: Leave at least a 3" gap in the bottom slot for the infeed and ¾" spacing from the open ends of the beam for the end caps. Some mounting plates or screws may be left over after installation.

11. Place the legs in position and use the 3⁄16" L-hex key to secure the legs and outer wire tray mounting plates in place with two 5⁄16"–18 × ¾" per mounting bracket. Turn beam upright. Note: Legs can be mounted in two different directions.

12



13



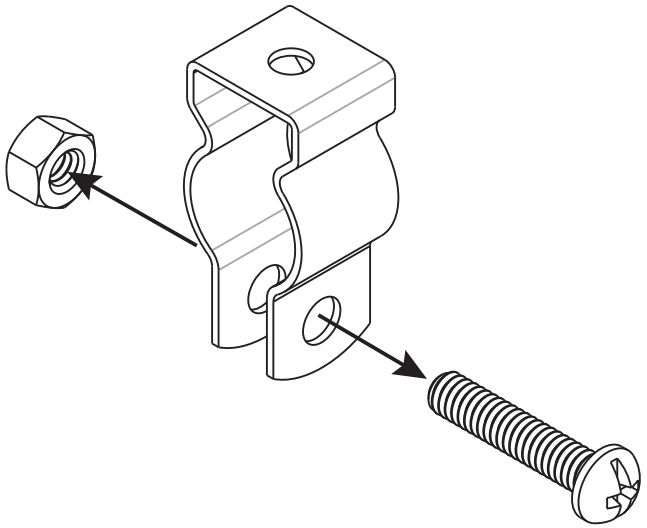
STEPS

12. Route power infeed through one of the bottom slots of the beams and plug the end of the power infeed into the nearest distribution harness, ensuring that the arrows on both the distribution harness and the power infeed point upwards.

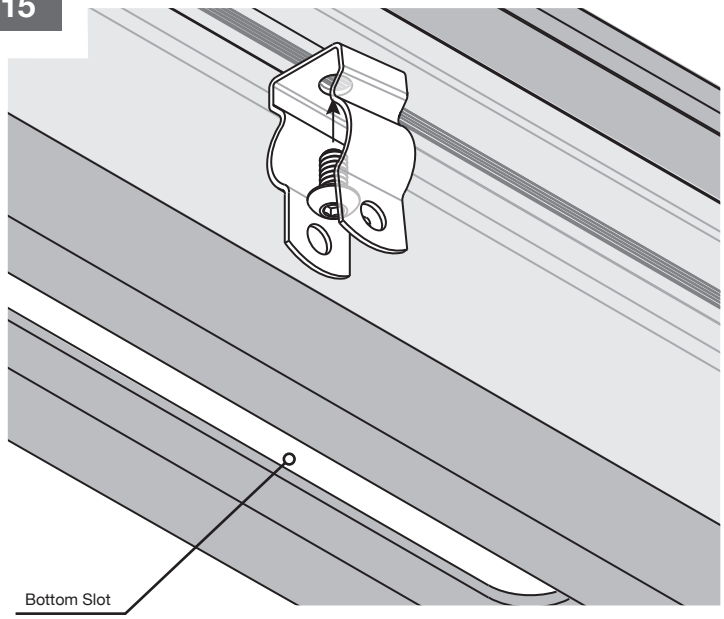
13. **If attaching multiple beams together:** Plug one end of the jumper into each beam's distribution harness, ensuring that the arrows on both the distribution harnesses and the jumper point up.

    Note: The jumper and infeed can be plugged in next to each other if the infeed is not on the outer distribution harness.

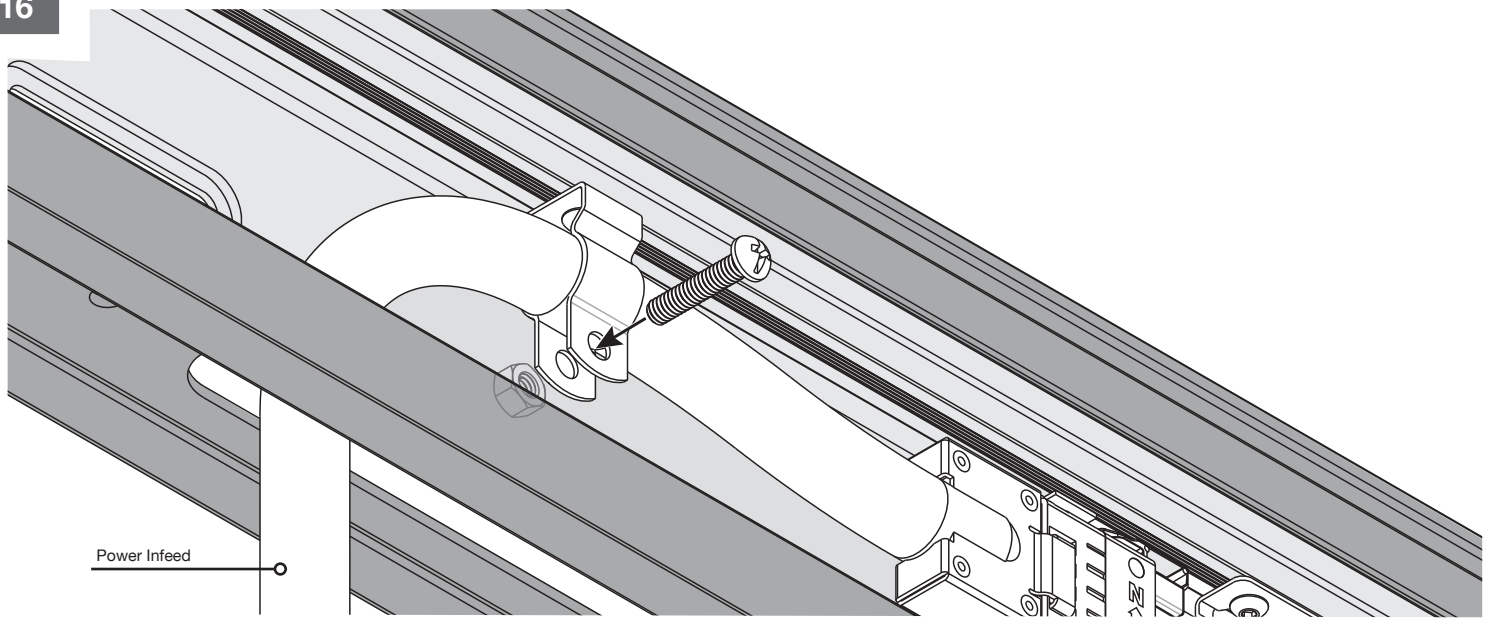
14



15



16



STEPS

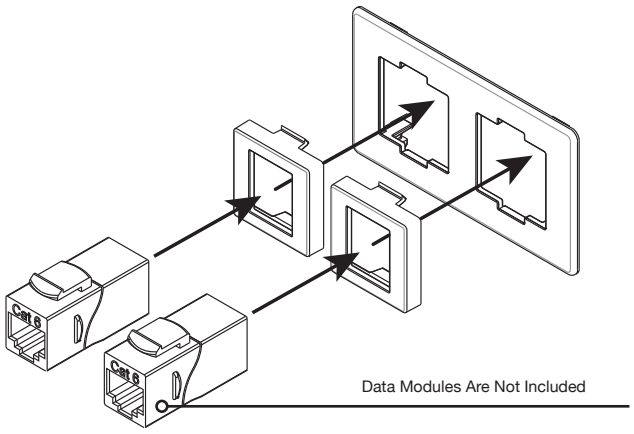
14. Remove the ¼"–20 × 1¼" screw and ¼"–20 × ¼" hex nut from the pre-attached hose clamp assembly.
15. Position the hose clamp above one of the bottom slots and fasten it to the thread feature on the upper inside of beam with a #10–24 × ⅜" screw using the ⅛" hex L-key.
16. Hold the power infeed within the hose clamp opening and slide the ¼"–20 × 1¼" screw through the hose clamp holes. Then tighten the ¼"–20 × ¼" hex nut onto the screw using a #2 Phillips screwdriver.

STOP

Connection to building wiring must be done by a qualified electrician.
See page 23 for 4-2-2 wiring schematic.

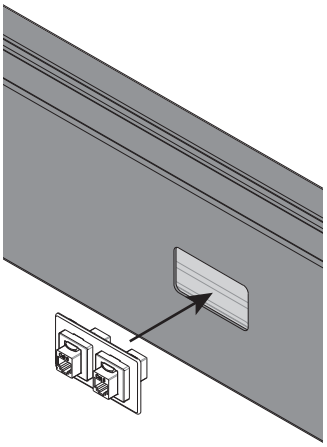
EBEAM ASSEMBLY INSTRUCTIONS

17

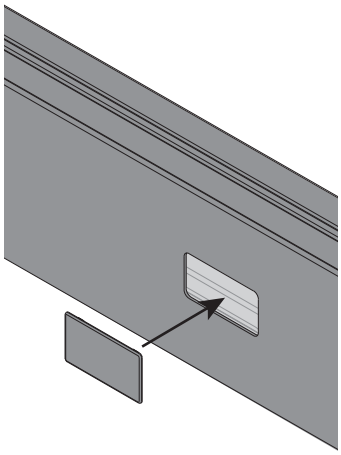


18

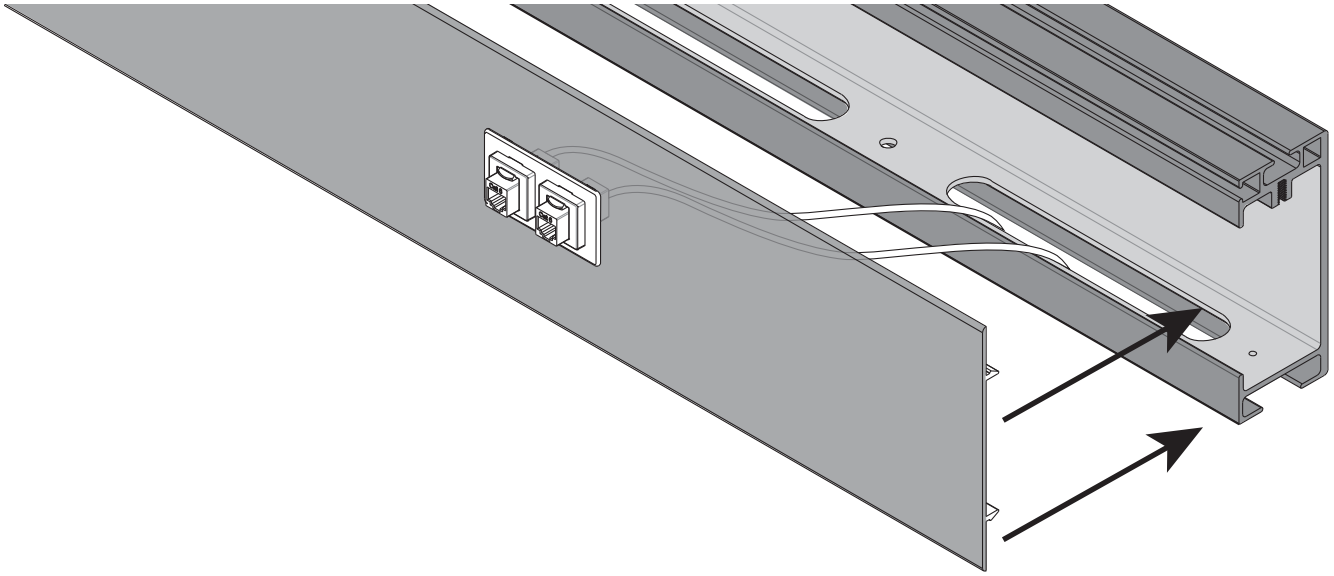
DATA FACEPLATE



BLANK FACEPLATE



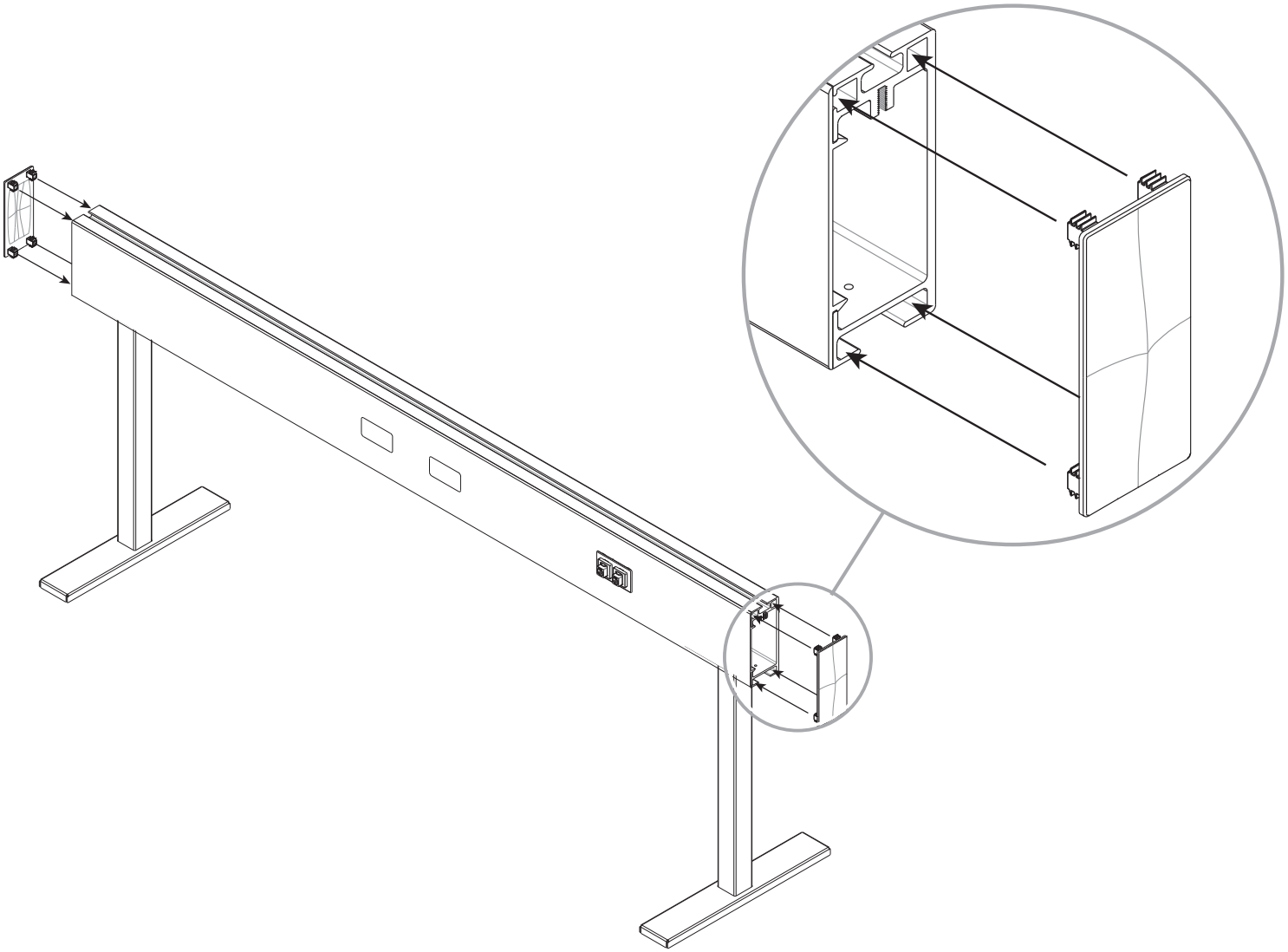
19



STEPS

17. Break off applicable data adapters from tree and snap into data faceplates, then snap in respective data modules, etc. (not supplied).
18. Snap blank faceplates and/or data faceplates into window cutouts on the beam and beam cover.
19. Route data cables through bottom slot of the beam and connect into data modules. Then align and snap the beam cover back onto the beam.

20



STEPS

If no screens were purchased, complete step 20 below to finish the beam.
For optional screen assembly, complete steps 21–26 and continue from there.

20. Align end caps with square shapes and bottom opening at each end of the beam and pound flush into place with a non-marring mallet/hammer, then peel off protective film.

    If no additional accessories were purchased, the beam is now complete.

For other optional accessories, reference:
Power infeed cover installation (page 16).
Vertical wire manager (pages 17–20).

EBEAM ACCESSORY ASSEMBLY INSTRUCTIONS

COMPONENT LIST

Component quantities are per accessory.

Quantities will vary with user specifications. For more information, see the table on page 22.

Horizontal Wire Tray (Per Side)

- Wire Tray (1)
- Mounting Plate (3)
- 5⁄16"–18 × ¾" Screw (4)

Vertical Wire Manager (Each)

- Wire Manager (1)
- Wire Manager Clip (2)
- #10–24 × 3⁄16" Screw (2)
- #8 × ⅝" Screw (2)

Screen

- Screen

Per Mount:

- U-Bracket (2 Halves)
- Mounting Bar (1)
- M4 × 12 mm Screw (2)
- M6 × 20 mm Screw (1)
- M6 × 35 mm Screw (1)
- Gasket (2)

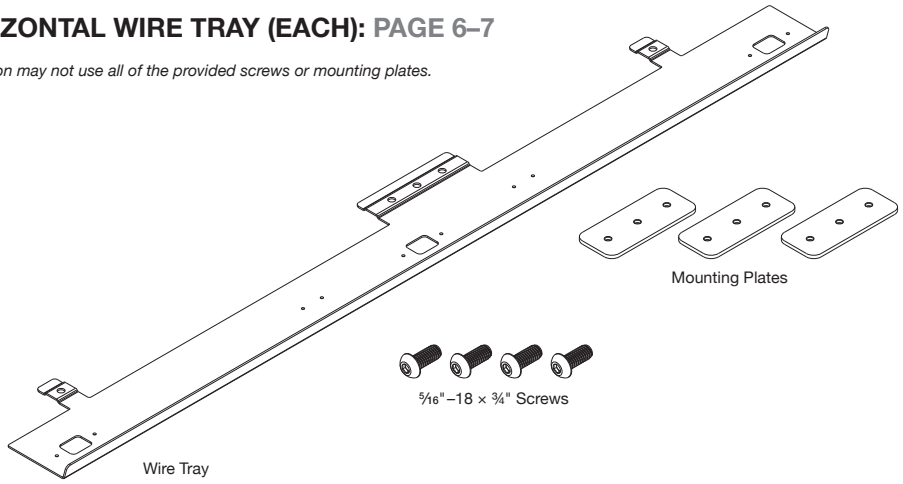
Power Infeed Cover

- Power Infeed Cover (1)

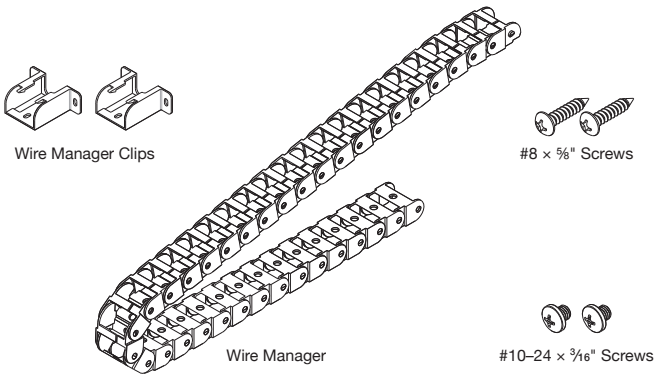
OPTIONAL ACCESSORY COMPONENTS

HORIZONTAL WIRE TRAY (EACH): PAGE 6–7

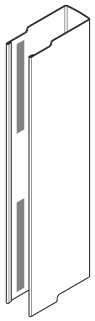
Installation may not use all of the provided screws or mounting plates.



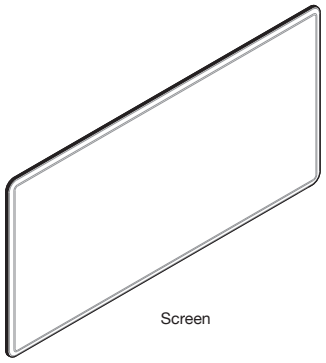
VERTICAL WIRE MANAGER (EACH): PAGE 17–20



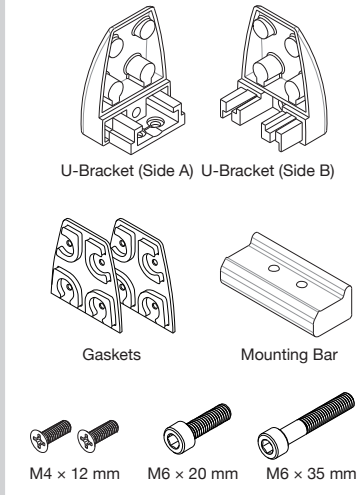
POWER INFEED COVER: PAGE 16



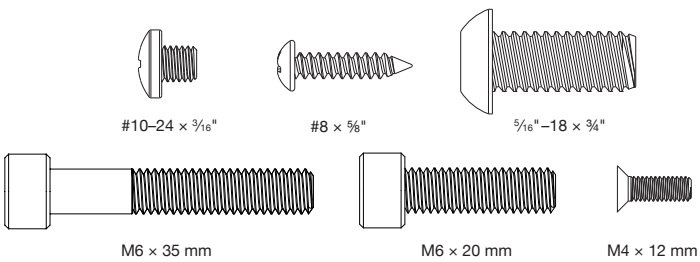
SCREEN: PAGES 13–15



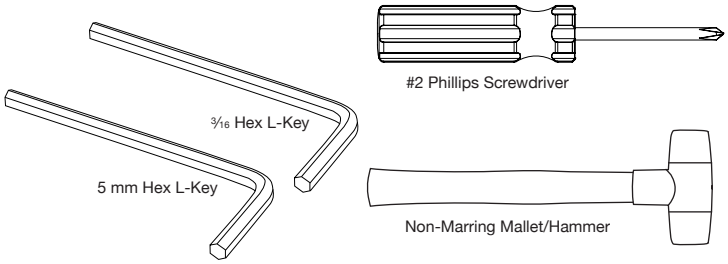
PER MOUNT



1:1 SCALE



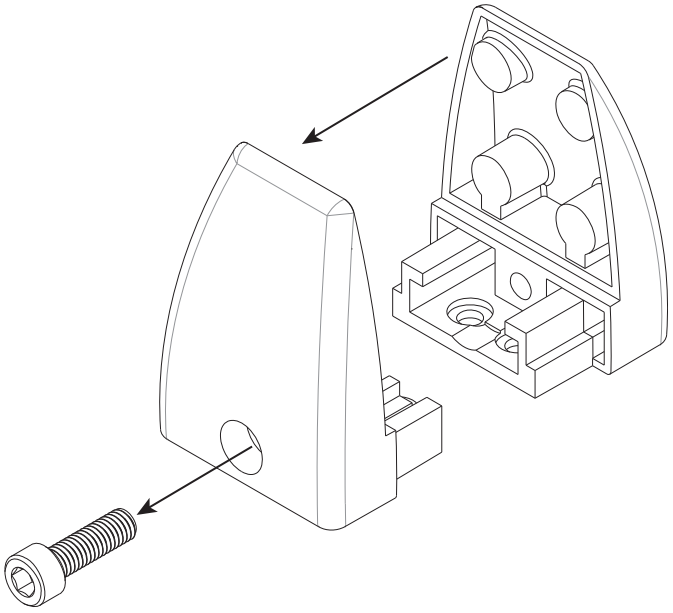
REQUIRED TOOLS



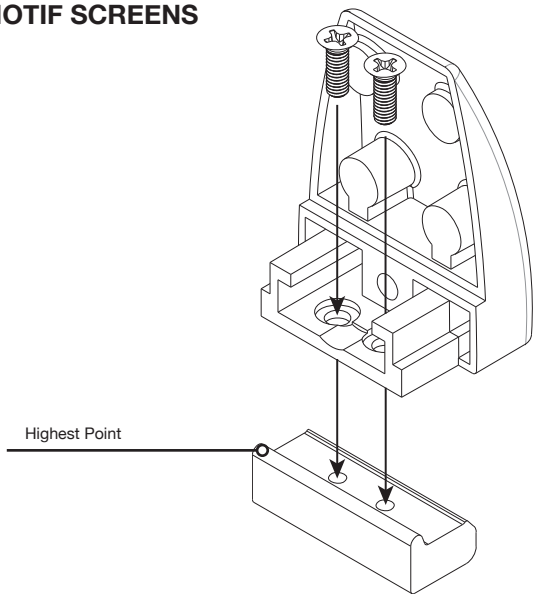
EBEAM ACCESSORY ASSEMBLY INSTRUCTIONS

Steps 21-25: Parts and instructions are per mount. There are two mounts included with 48" screens or three mounts included with 60"–72" screens.

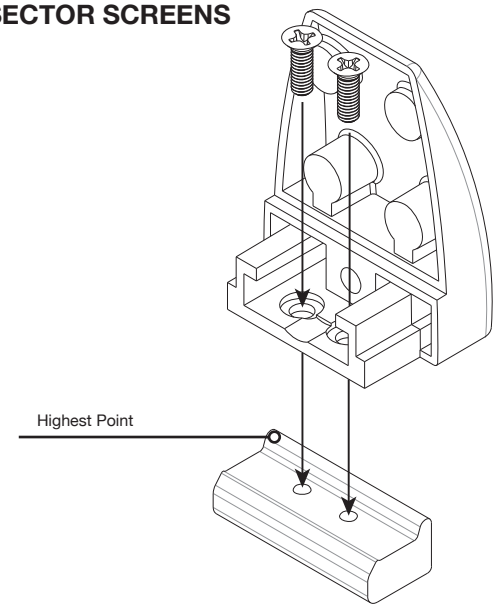
21



22 **MOTIF SCREENS**



DOODLE AND SECTOR SCREENS



STEPS

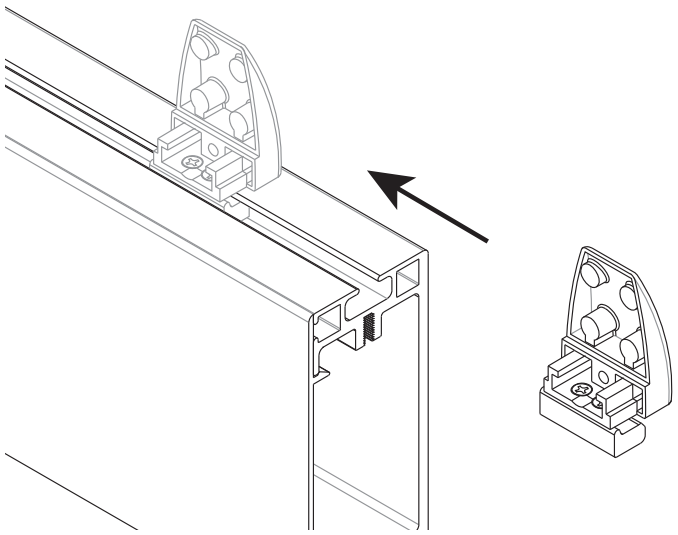
21. Separate U-bracket halves.
22. One side of the U-bracket (side A) has screw holes. Loosely attach the A side of the U-bracket to the mounting bar using two M4 × 12 mm screws and a #2 Phillips screwdriver.

    Note: Mounting bar direction varies with screen material. Rotate appropriately. See above.

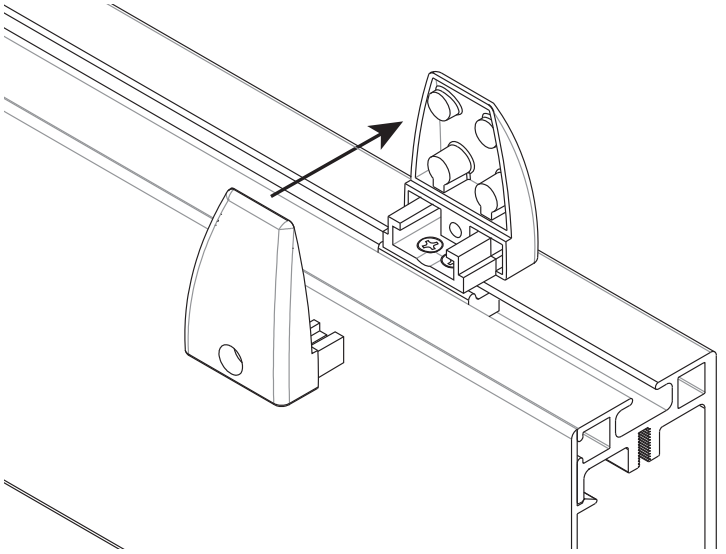
EBEAM ACCESSORY ASSEMBLY INSTRUCTIONS

Steps 21-25: Parts and instructions are per mount. There are two mounts included with 48" screens or three mounts included with 60"–72" screens.

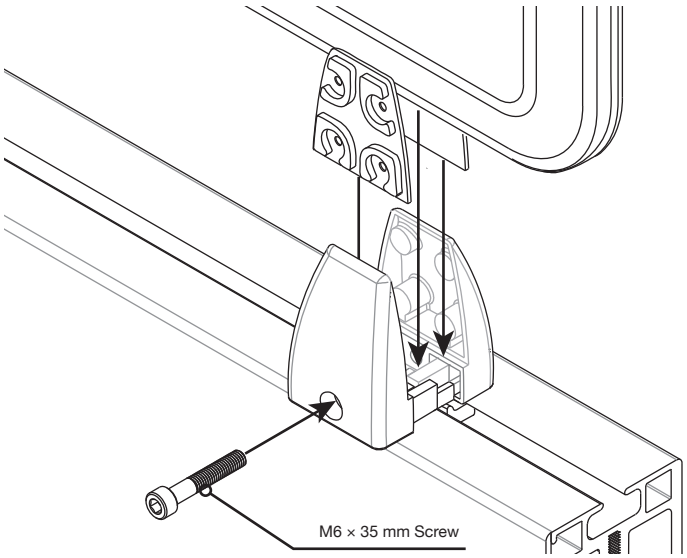
23



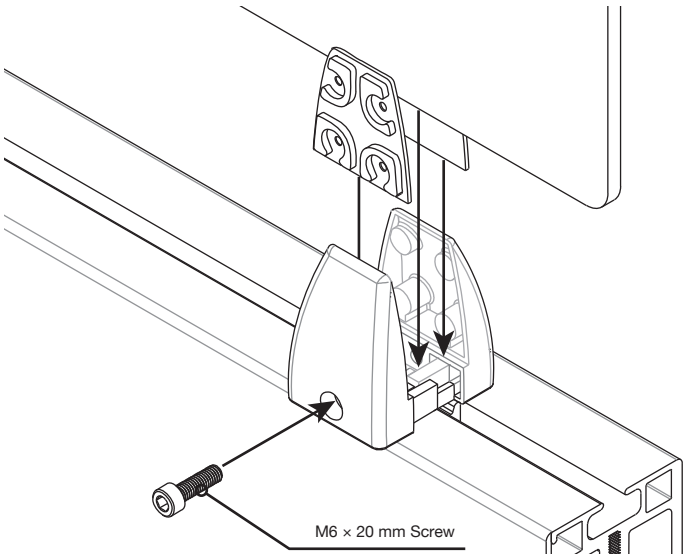
24



25 **MOTIF SCREENS**



DOODLE AND SECTOR SCREENS



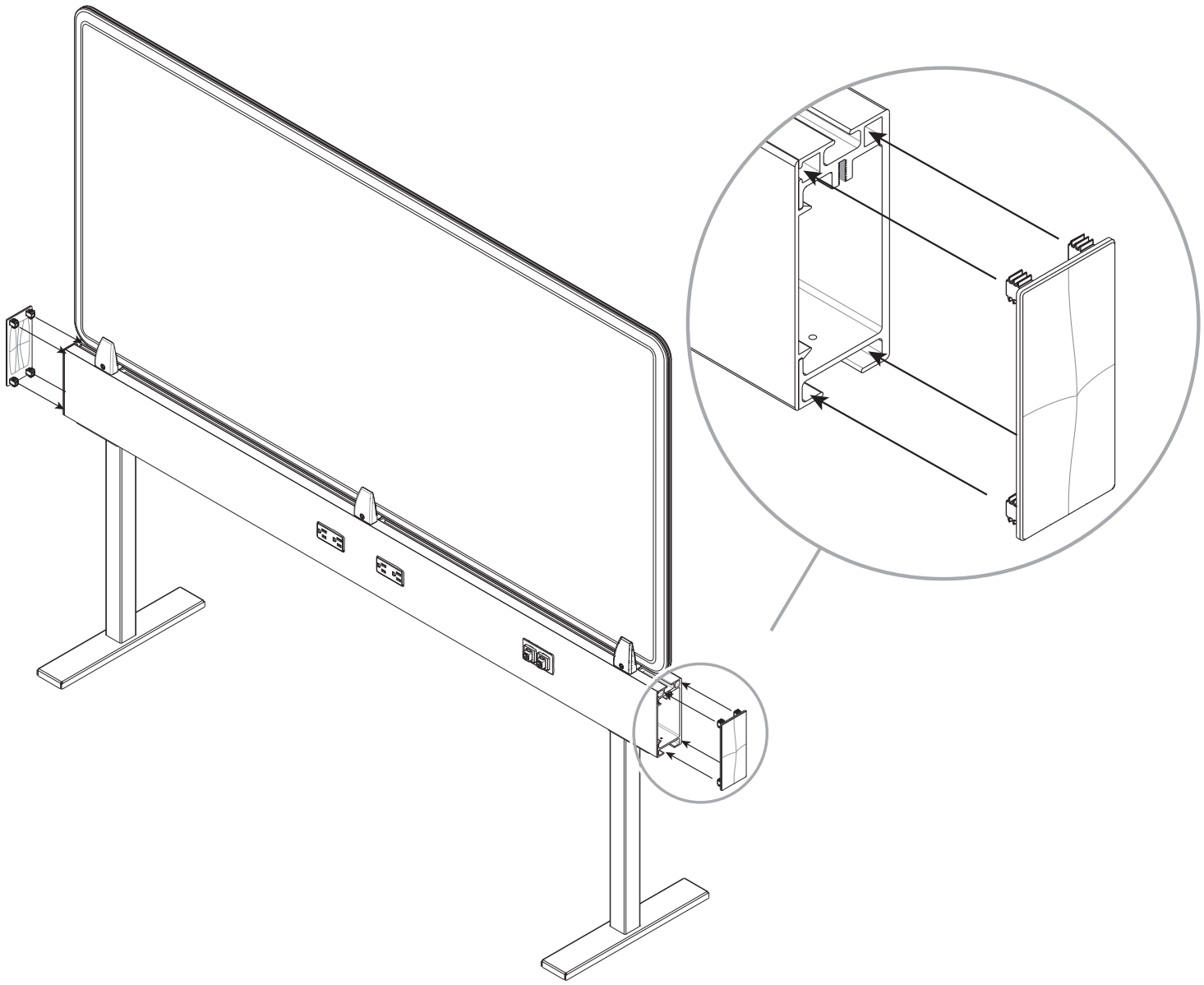
STEPS

23. Slide the U-bracket/mounting bar assemblies from the end of the beam into position. Tighten the M4 × 12 mm screws with a #2 Phillips screwdriver.

24. Slide the B side of the U-bracket onto the A side. Attach the two sides together using the M6 screw that is appropriate for the screen material and a 5 mm hex L-key. Do not close. Make sure to leave a gap for the screen.

25. First, insert the gaskets, pressing them against the inside of both halves of the U-bracket. Then insert the screen into the assembled mount. Close the U-bracket by tightening the appropriate M6 screw with the 5 mm L-hex key. Continue until the screen is secure.

26



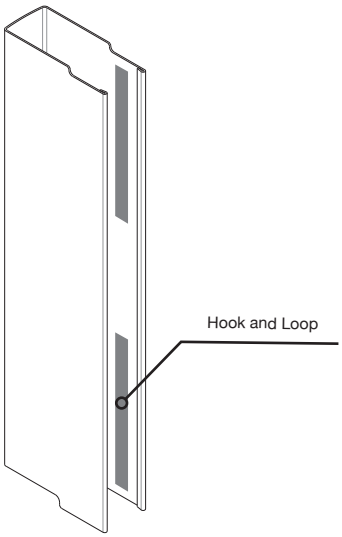
STEPS

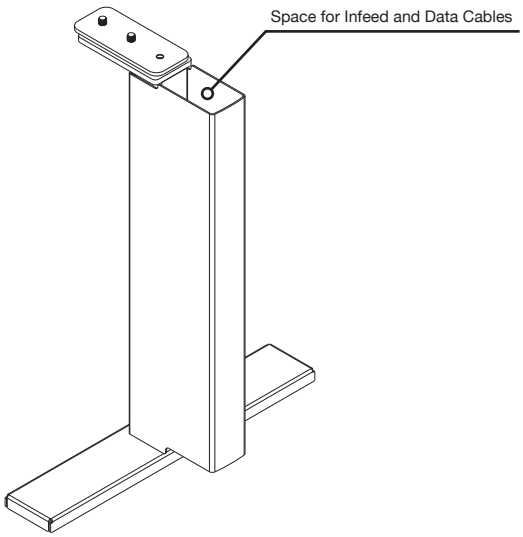
26. Align end caps with square shapes and bottom opening at each end of the beam and pound flush into place with a non-marring mallet/hammer, then peel off protective film.

    If no additional accessories were purchased, the beam is now complete.

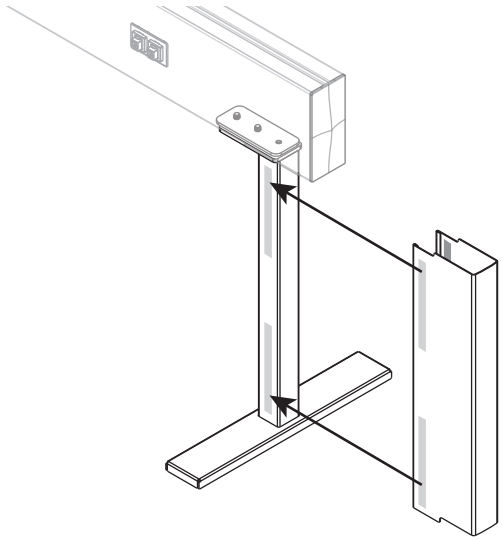
For other optional accessories, reference:
Power infeed cover installation (page 16).
Vertical wire manager (pages 17–20).

27

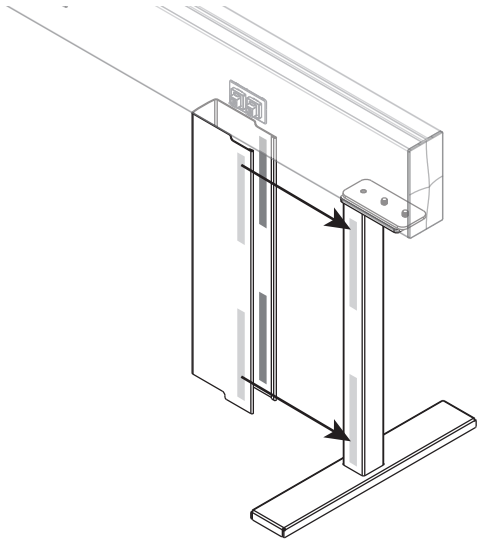




MOUNTING PLATE FACES INWARD



MOUNTING PLATE FACES OUTWARD



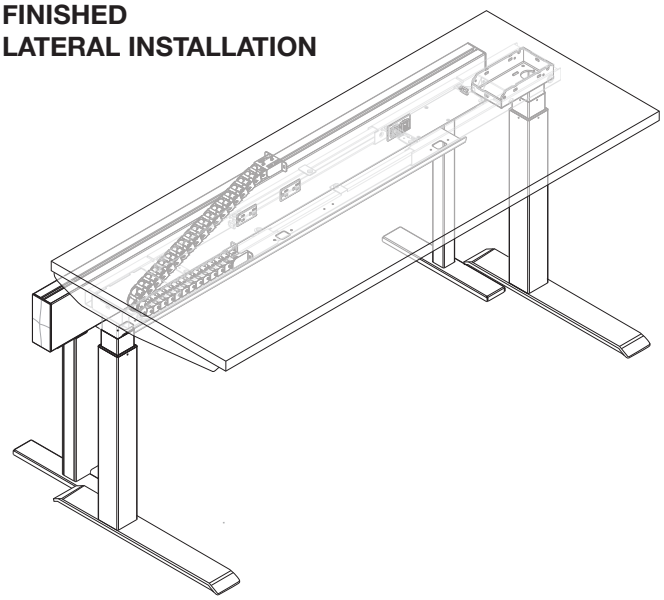
STEPS

27. **For optional power infeed cover assembly:** To install the infeed cover, remove backing from all pieces of the hook and loop. Slide over, position around legs and cables. Provide pressure onto both sides of the exterior of the infeed cover for at least 30 seconds to set the hook and loop adhesive.

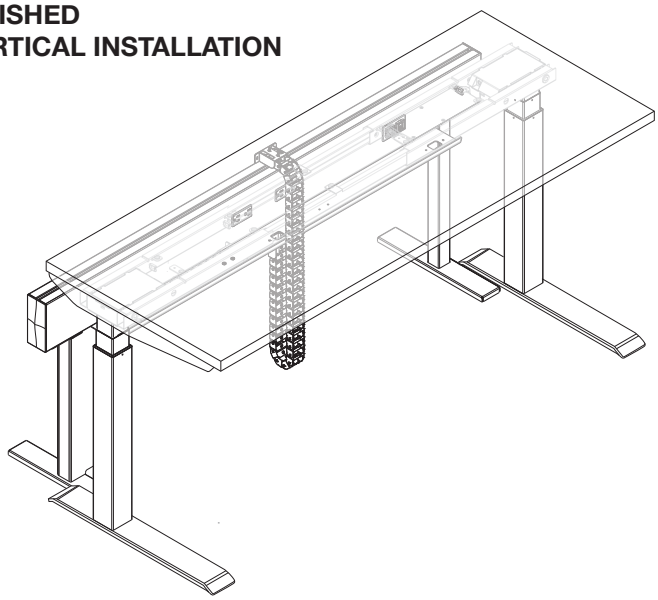
    Note: The open end of the infeed cover will face the mounting plate direction.

EBEAM ACCESSORY ASSEMBLY INSTRUCTIONS

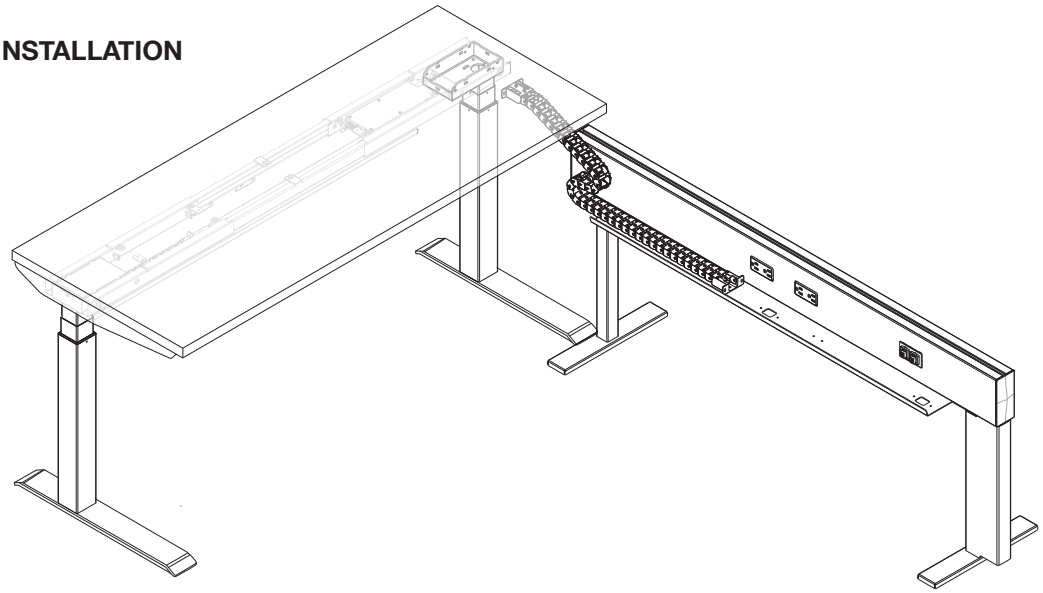
FINISHED
LATERAL INSTALLATION



FINISHED
VERTICAL INSTALLATION



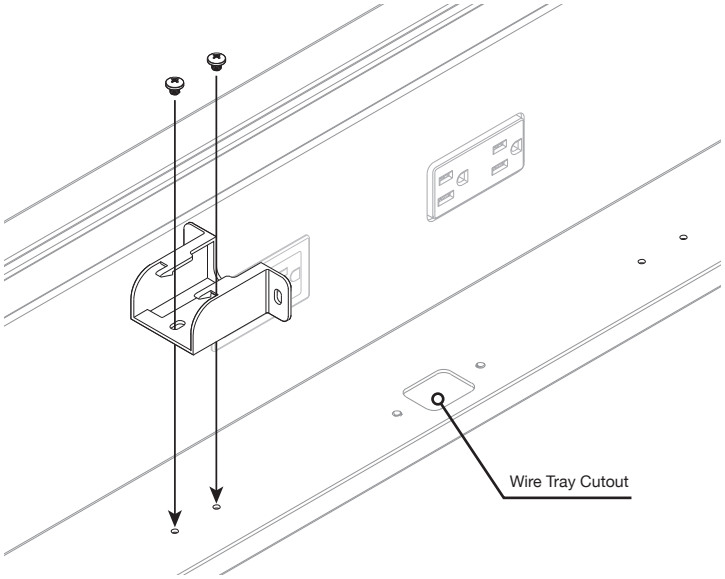
FINISHED
PERPENDICULAR INSTALLATION



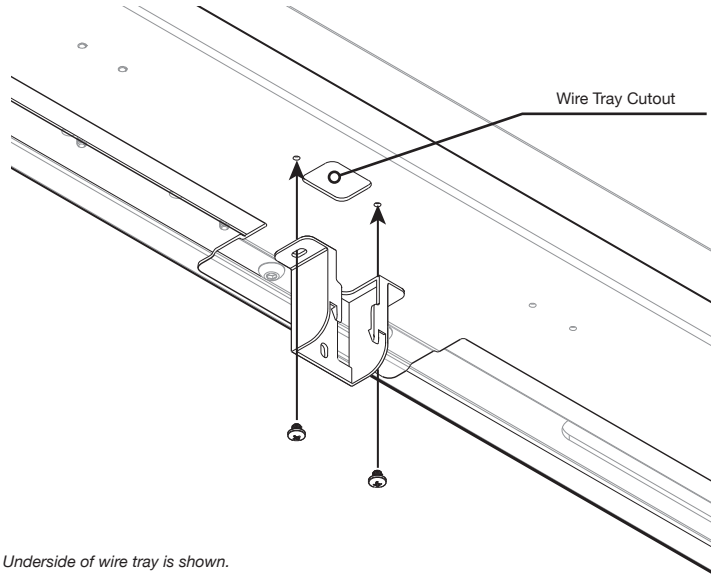
STEPS

For optional vertical wire manager assembly: choose one of the installation styles above. Then, complete steps 28–30.

28 LATERAL INSTALLATION

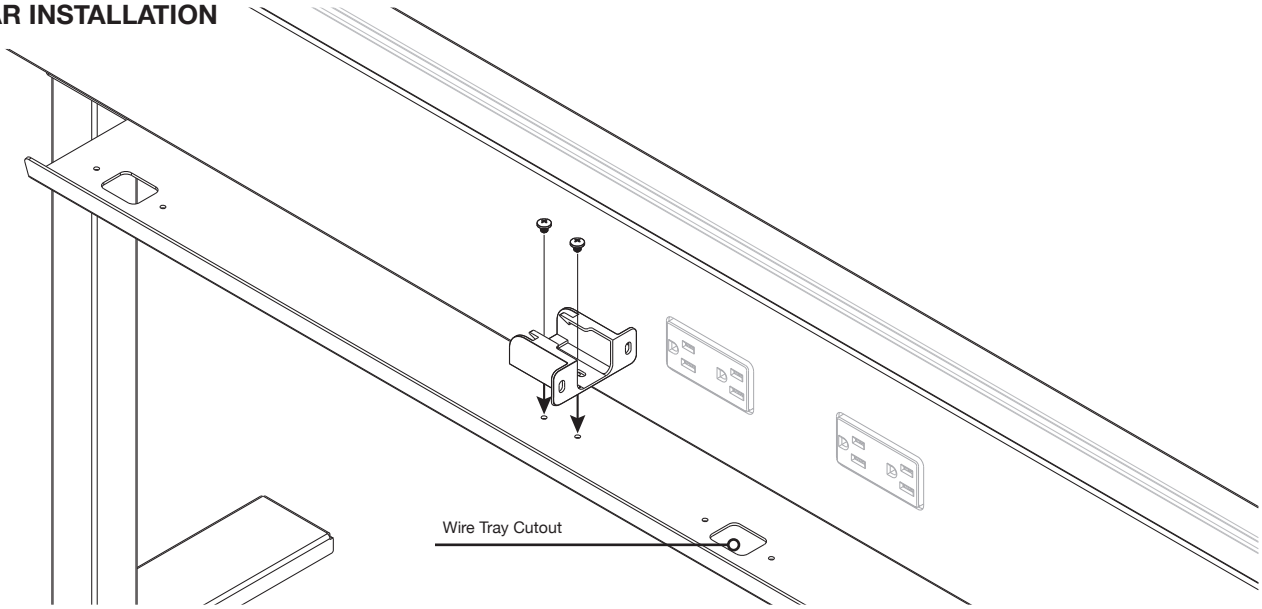


VERTICAL INSTALLATION



Underside of wire tray is shown.

PERPENDICULAR INSTALLATION

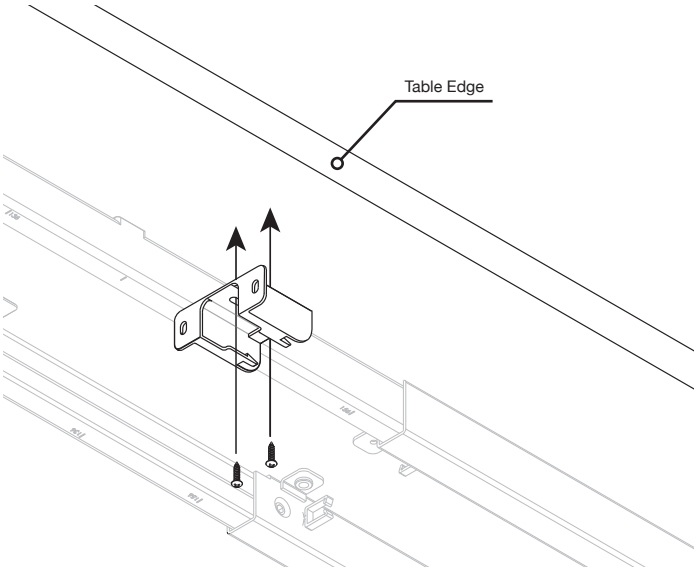


STEPS

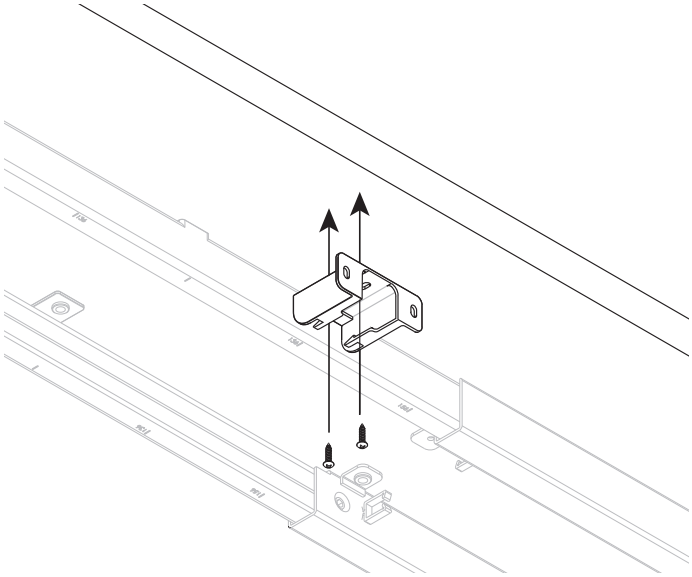
28. **Vertical installation:** Attach the first wire manager clip to the underside of the wire tray using two #10–24 × 3⁄16 screws and a #2 Phillips screwdriver. Align to one of the three wire tray cut outs.

    Lateral or perpendicular installation: Attach the first wire manager clip to the top side of the wire tray using two #10–24 × 3⁄16 screws and a #2 Phillips screwdriver. Align to a set of predrilled holes, found left or right of center.

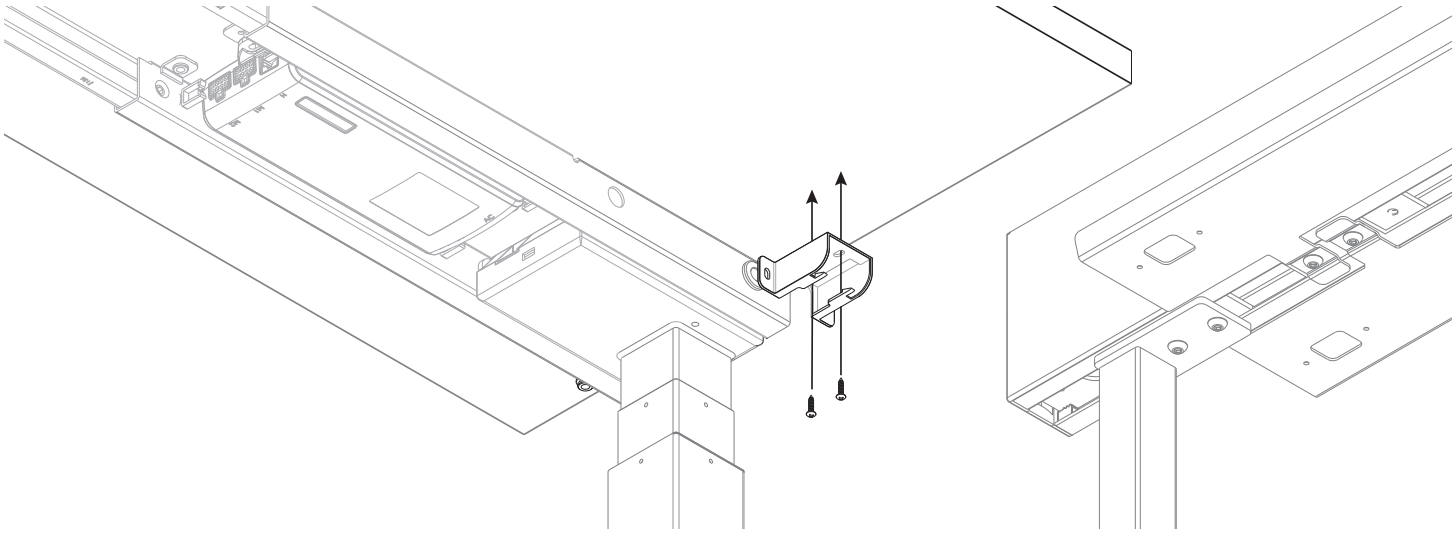
29 LATERAL INSTALLATION



VERTICAL INSTALLATION



PERPENDICULAR INSTALLATION

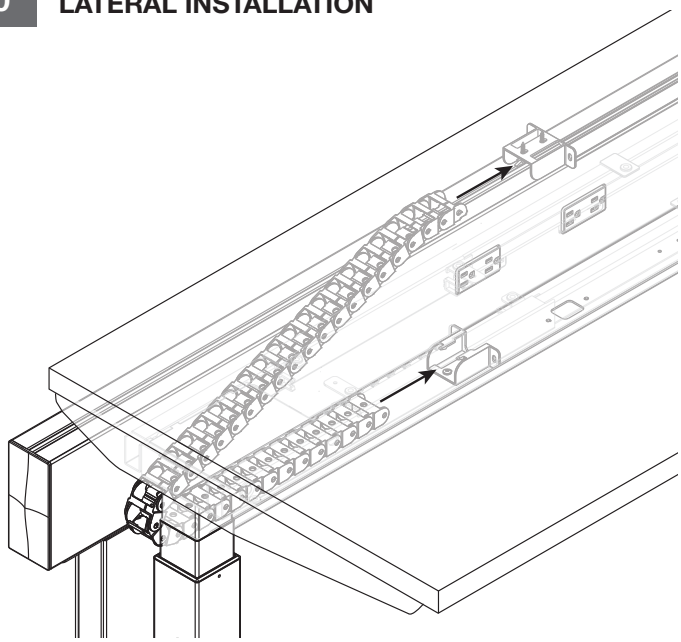


STEPS

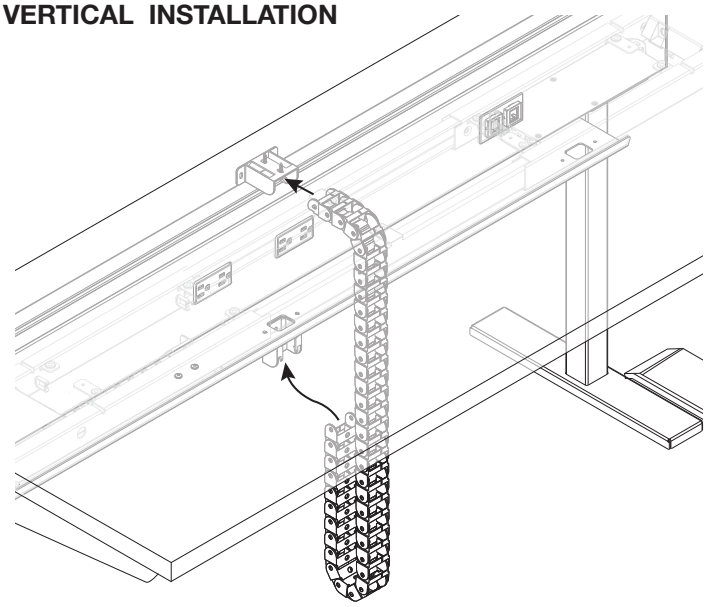
29. Attach the second wire manager clip to the underside of the adjacent table top and use a Phillips #2 driver to fasten with two #8 × ⅝" wood screws.

    Note: The wire manager clip will turn sideways on a lateral installation or face backwards on a vertical installation.

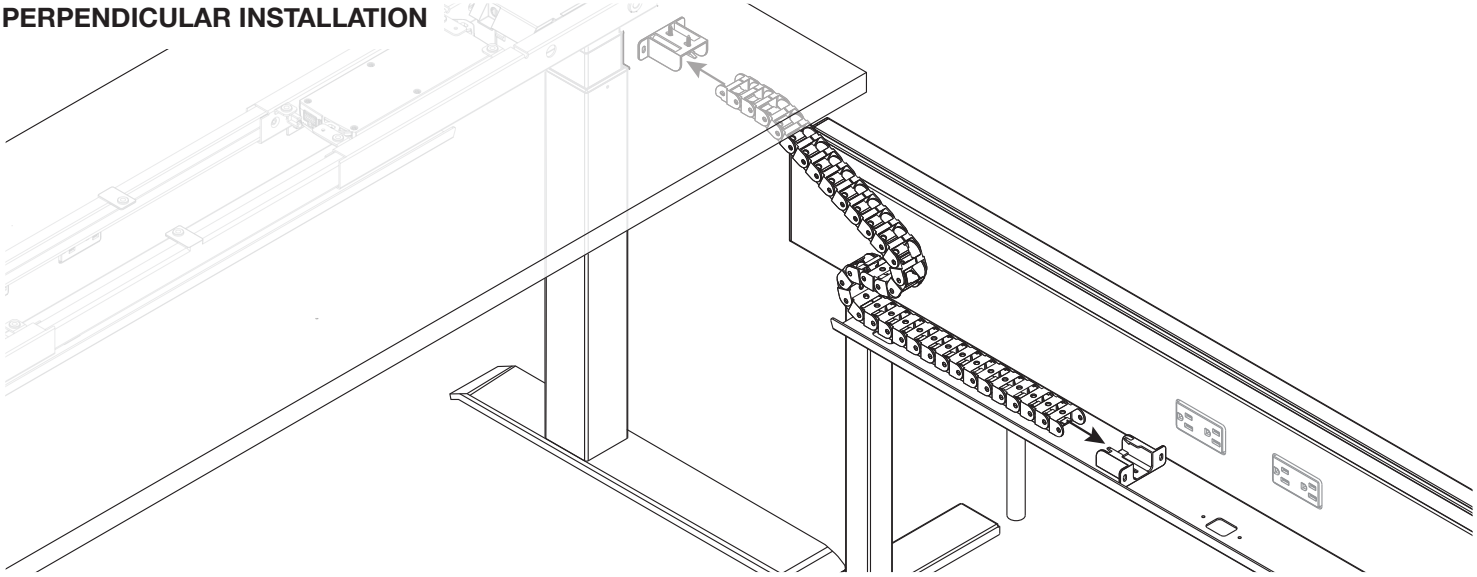
30 **LATERAL INSTALLATION**



VERTICAL INSTALLATION



PERPENDICULAR INSTALLATION



STEPS

30. Snap the ends of the carrier into the installed wire management clips.

    Note: To change the direction of the the wire management curvature, links can be detached and rotated 180º.

EBEAM SAFETY INFORMATION

⚠ DANGER Save these instructions.

To reduce the risk of death, serious injury, or property damage: Read and follow the safety information and the provided instructions when assembling this product. Do not change or replace components and accessories provided by SitOnIt Seating.

PROFESSIONAL ASSISTANCE REQUIRED

Connection to the building wiring must be completed by a qualified electrician.

NON-LOAD BEARING

Beam is not load-bearing. Do not place heavy objects on beam.

KEEP BEAM FRAME DRY

Keep all electrical components away from water and humidity. Not approved for outdoor use.

To reduce the risk of electric shock:
Always unplug from the electrical outlet before cleaning.

EBEAM SPECIFICATION INFORMATION

	SINGLE-SIDED					BACK-TO-BACK				
Power Beam	**1-Seat**	**2-Seat**	**3-Seat**	**4-Seat**	**5-Seat**	**2-Seat**	**4-Seat**	**6-Seat**	**8-Seat**	**10-Seat**
Beam Parts										
Beam	1	2	3	4	5	1	2	3	4	5
End Cap	2	2	2	2	2	2	2	2	2	2
Leg Parts										
Leg	2	2	4	4	6	2	2	4	4	6
Mounting Plate	2	2	4	4	6	2	2	4	4	6
5⁄16"–18 × ¾" Screw	4	4	8	8	12	4	4	8	8	12
Power										
Distribution Harness	1	2	3	4	5	1	2	3	4	5
Duplex Receptacles	2	4	6	8	10	4	8	12	16	20
Hose Clamp	1	1	1	1	1	1	1	1	1	1
Middle Clip	1	2	3	4	5	1	2	3	4	5
Power Infeed	1	1	1	1	1	1	1	1	1	1
#10–24 × ⅜" Screw	1	1	1	1	1	1	1	1	1	1
Data Pack										
Blank Faceplate	6	12	18	24	30	6	12	18	24	30
Data Adapter Tree	1	2	3	4	5	1	2	3	4	5
Data Faceplate	2	4	6	8	10	2	4	6	8	10
Ganging										
Ganging Bracket	0	1	2	3	4	0	1	2	3	4
Jumper	0	1	2	3	4	0	1	2	3	4
#10–24 × ⅜" Screw	0	6	12	18	24	0	6	12	18	24
Accessories	**1-Seat**	**2-Seat**	**3-Seat**	**4-Seat**	**5-Seat**	**2-Seat**	**4-Seat**	**6-Seat**	**8-Seat**	**10-Seat**
Horizontal Wire Tray										
Wire Tray	1	2	3	4	5	2	4	6	8	10
Mounting Plate	3	6	9	12	15	6	12	18	24	30
5⁄16"–18 × ¾" Screw	4	8	12	16	20	8	16	24	32	40
Power Infeed Cover										
Power Infeed Cover	1	1	1	1	1	1	1	1	1	1
Screens										
Screen	1	2	3	4	5	1	2	3	4	5
U-Bracket	3	6	9	12	15	3	6	9	12	15
Mounting Bar	3	6	9	12	15	3	6	9	12	15
Gasket	6	12	18	24	30	6	12	18	24	30
M4 × 12 mm	6	12	18	24	30	6	12	18	24	30
M6 × 20 mm	3	6	9	12	15	3	6	9	12	15
M6 × 35 mm	3	6	9	12	15	3	6	9	12	15
Vertical Wire Manager										
Wire Manager	1	2	3	4	5	2	4	6	8	10
Wire Manager Clips	2	4	6	8	10	4	8	12	16	20
#8 × ⅝" Screws	2	4	6	8	10	4	8	12	16	20
#10–24 × 3⁄16" Screws	2	4	6	8	10	4	8	12	16	20

EBEAM TECHNICAL INFORMATION

Specifications

- System rating 20A/120V
- 15 amp duplex receptacle
- Shared neutral wiring systems
  All shared neutrals use 10 guage wire, rated at 35 Amps
- Shared: 8-wire (4-2-2)
- 8-Wire (4-2-2) configuration: Up to 52 receptacles per infeed
- Power infeed options: Flexible and LiquidTight

UL 183: Manufactured Wiring Systems

- UL listed and CSA certified
- Where Used: full wall panels, tables, underfloor/overhead, other applications
- Reference NEC code 300-22 Section C

Compatible VGA Jack

- Byrne 120" VGA Connector

Wiring Configurations

Power Beam	8-Wire 4-2-2 Shared
Lines (12 Ga)	4
Neutrals (10 Ga)	2
Grounds (12 Ga)	2
Utility Circuits	3
Dedicated Circuits	1
Receptacles Per Infeed	52
Receptacles Per Circuit	13

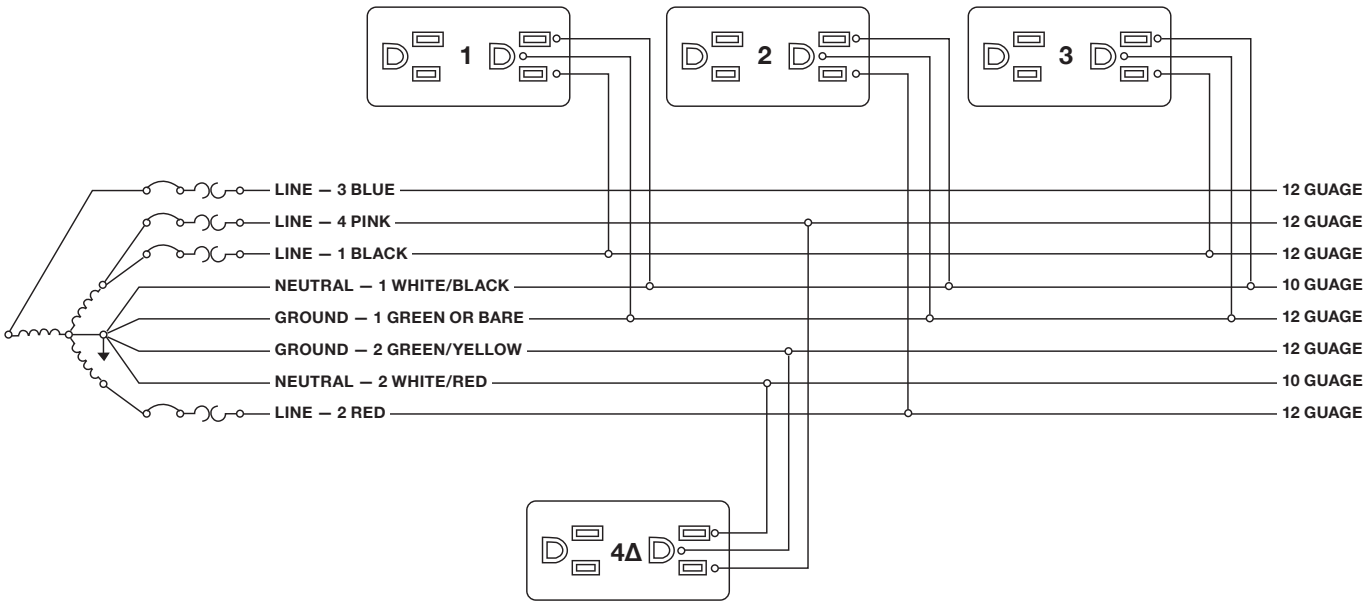
Compatible Keystone Jacks

- Belden Industrial REVConnect
- Allen Tel Versa Tap Series
- L-com Keystone Jacks
- Levinton Quick Port® System Adapters and Jacks
- Siemon Keystone Connectivity Solutions
- Byrne HDMI Adapter Cable

Conduit Dimensions

	Flexible	LiquidTight
Size	9/16"	½"
Min. External Diameter	0.705"	0.82"
Max. External Diameter	0.735"	0.84"
Minimum Bend Radius	1.5"	3.25"

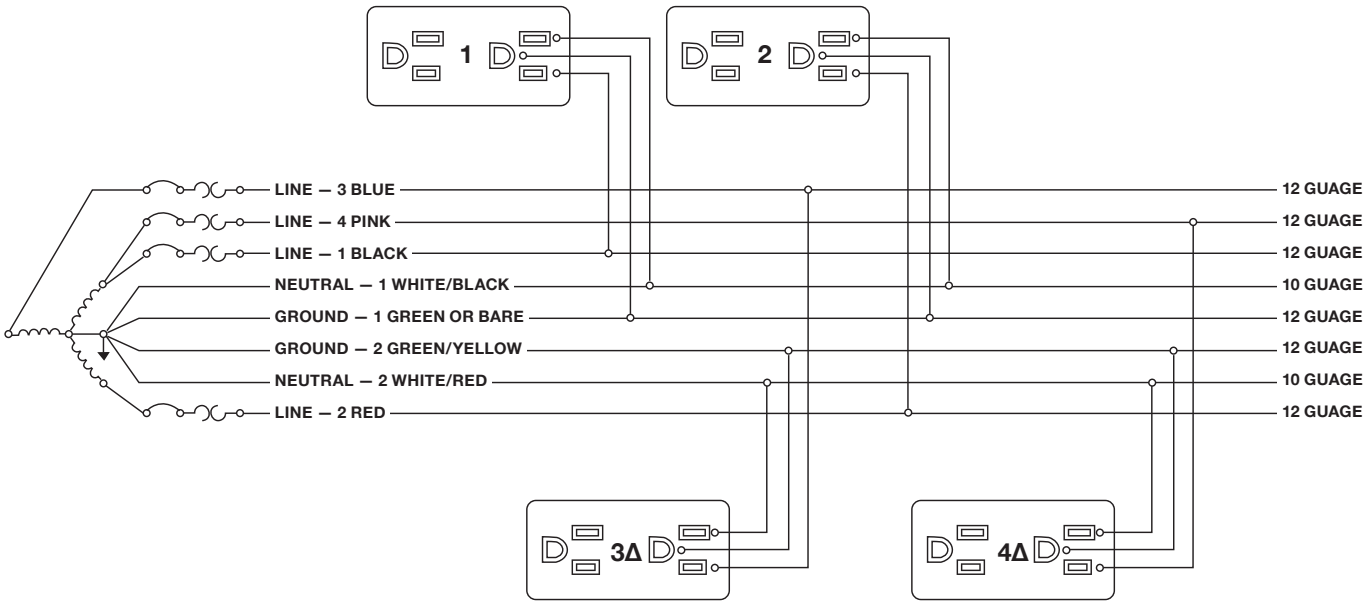
4-2-2 WIRING SCHEMATIC | 8-WIRE SHARED NEUTRAL | "3 + 1" — 3 UTILITY CIRCUITS, 1 DEDICATED



120/208V WYE | DELTA CONNECTIONS & OTHER RECEPTACLE CONFIGURATIONS AVAILABLE ON REQUEST

DISTRIBUTION END VIEW **PLUG END VIEW**

4-2-2 WIRING SCHEMATIC | 8-WIRE SHARED NEUTRAL | "2 + 2" — 2 UTILITY CIRCUITS, 2 DEDICATED



120/208V WYE | DELTA CONNECTIONS & OTHER RECEPTACLE CONFIGURATIONS AVAILABLE ON REQUEST

DISTRIBUTION END VIEW **PLUG END VIEW**