

BLADE POWER & DATA

Includes Add-ons [A1/A4/A5/A6](#)

*General Guide | See Master Plan

EDITION CODE

BL8 - BLADE Power & Data Introduction4

Title

Cable Tray Power6

Power.....10

Vertebrae..... 12

Additional Surface Power Modules..... 14

J-Channels 14

IMPORTANT NOTES

Connections to the building wiring must be done by a qualified electrician according to national, state, and local codes.

Never connect components while system is under load.

All unused outlets must be capped.



WARNING

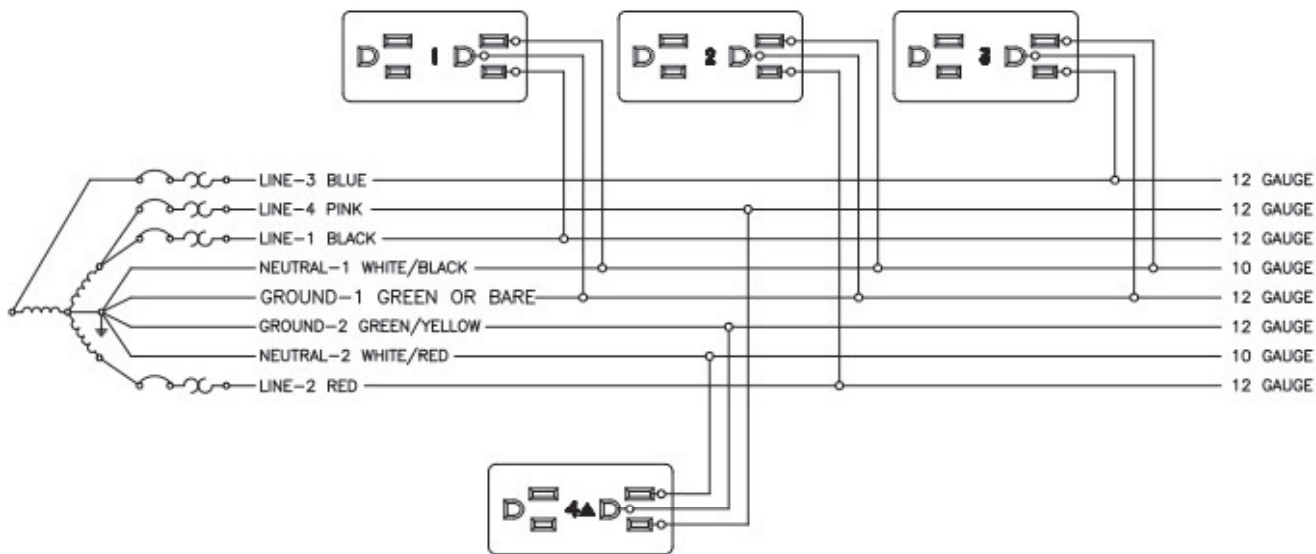
**Risk of fire or electric shock.
Do not electrically connect a
distribution harness to more
than one supply source.
Disconnect power before
servicing. Failure to do so
may cause shock and/or
personal injury.**

ELECTRICAL SPECIFICATIONS

4-2-2 Wiring Schematic

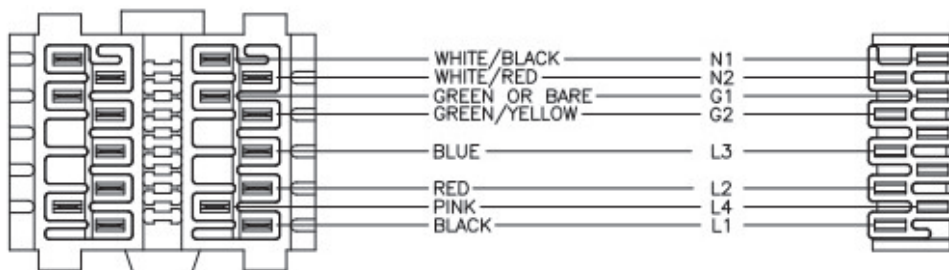
8-Wire Shared Neutral

"3 + 1" - 3 Utility circuits, 1 dedicated



120/208V WYE

*Delta Connections & Other Receptacle
Configurations Available Upon Request*



WIRING ORDER 8-WIRE
4-2-2 (3 + 1)
DISTRIBUTION END VIEW

WIRING ORDER 8-WIRE
4-2-2 (3 + 1)
PLUG END VIEW

4 | DUPLEX SEQUENCE

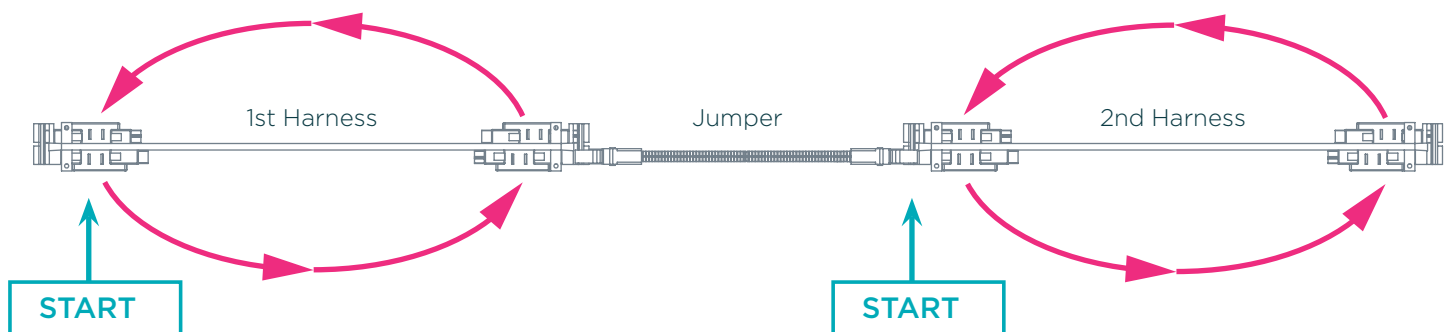
The duplexes must be attached to the harness in a particular order. Arrange the duplexes in the correct order by following the sequence.

START at the far left position. Continue in a straight line, following the sequence. Start in the same position on the next harness in line, and continue with the sequence.

STANDARD SEQUENCE



TITLE 24 SEQUENCE



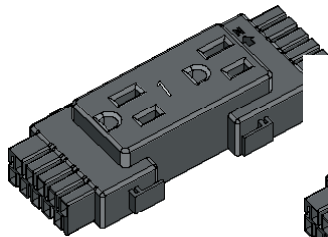
ATTACH ALL DUPLEXES LEFT TO RIGHT

1 | DUPLEX RECEPTACLE

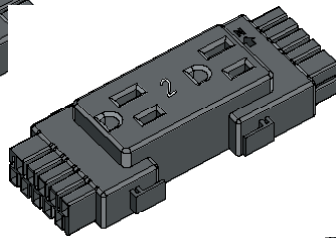
The duplex receptacle are designated as circuit 1, 2, 3, or 4.

The number is printed on each duplex.

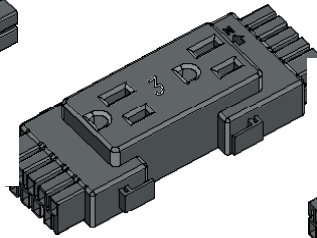
Circuit 4 is the sensor activated control circuit.



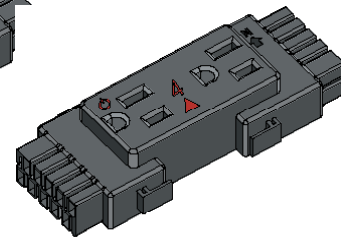
BPDR_C1



BPDR_C2



BPDR_C3



BPDR_T24_C4

SENSOR ACTIVATED
CONTROL CIRCUIT

2 | TITLE 24 COMPLIANCE

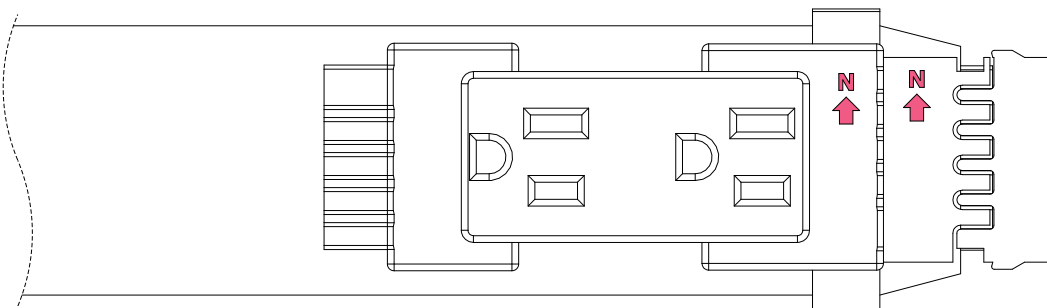
If you are installing this power system within the state of California, you must comply with the California Title 24 regulations.

Title 24 Electrical Requirement: HALF of the Duplexes on Each Harness Must be C4 Control Circuits.

3 | NORTH

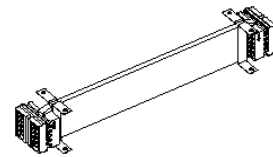
Every duplex, harness, jumper, and infeed displays a North arrow.

The North arrows **MUST** point the same direction on all parts.

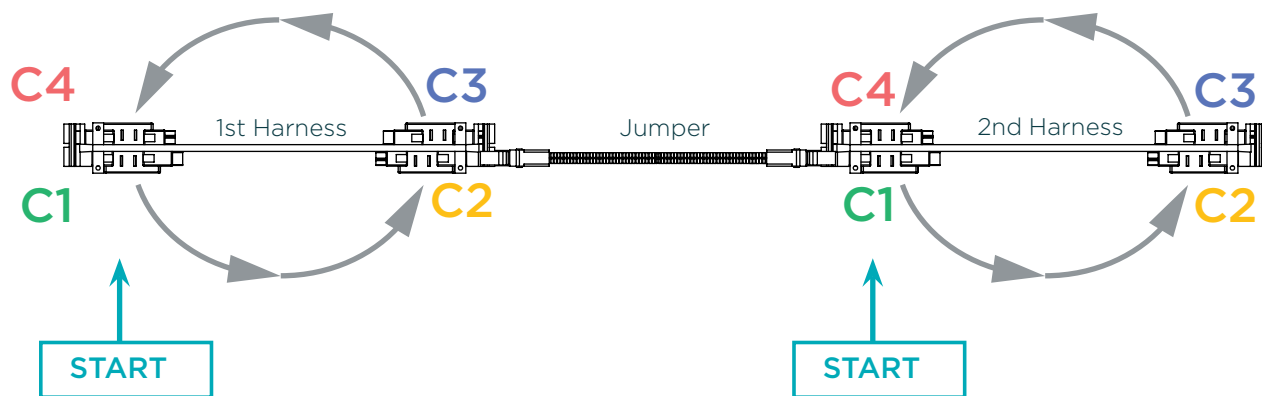


POWER HARNESS BPDH18-4 SEQUENCE

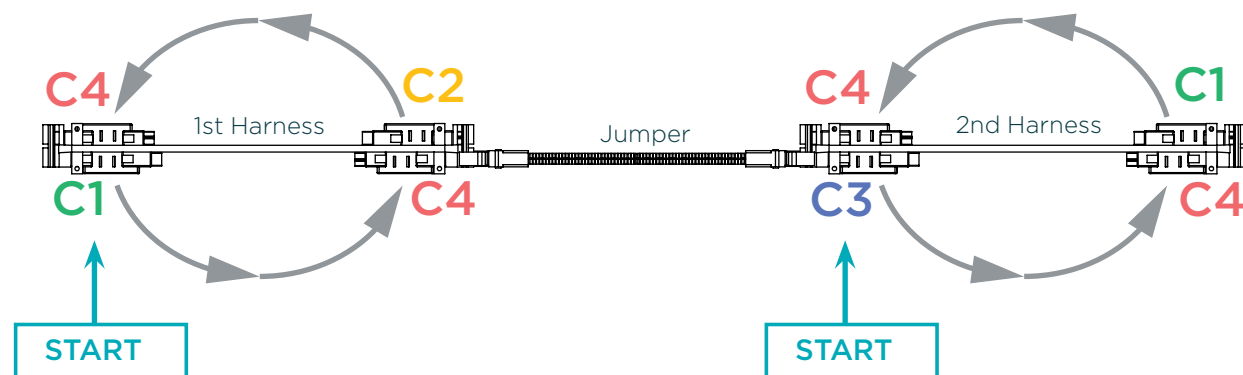
36 Inch Power Harness, Receives 4 Duplexes.



STANDARD SEQUENCE



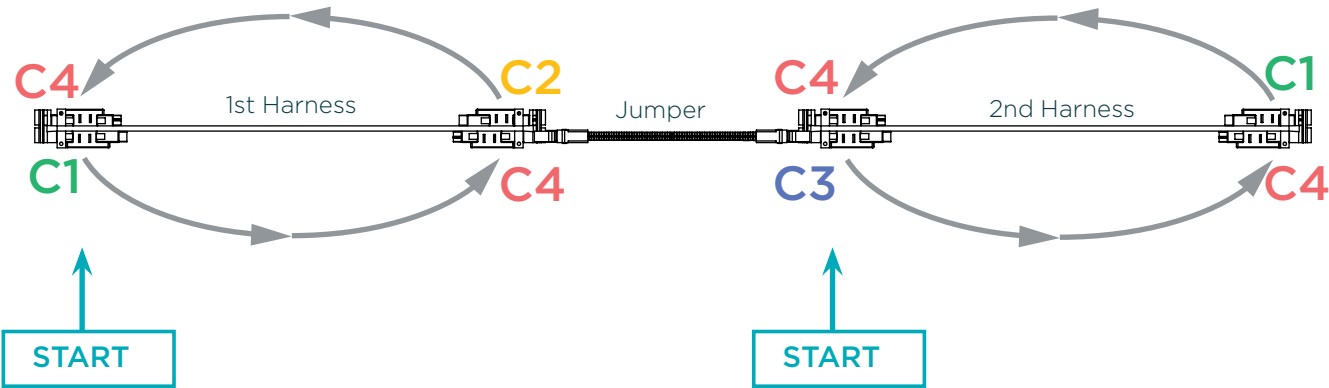
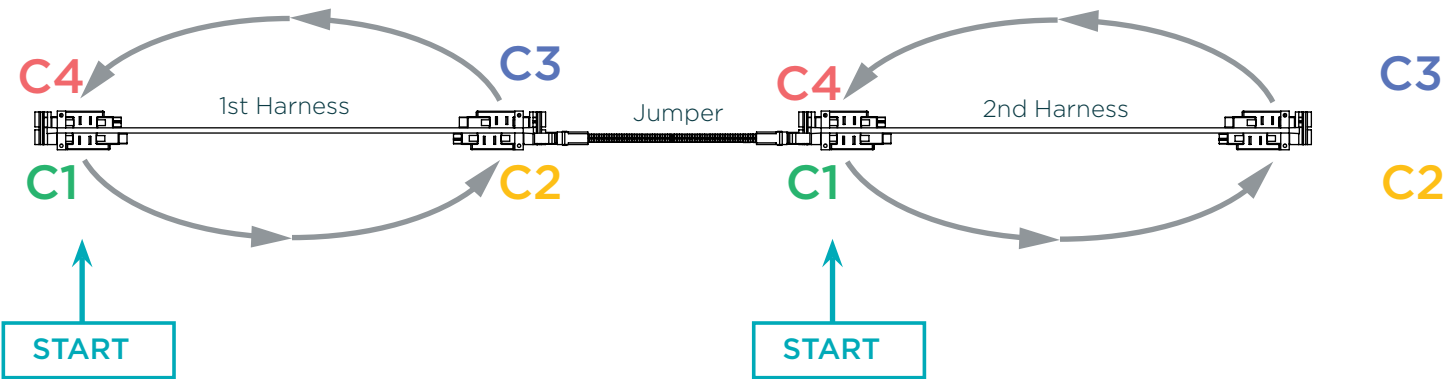
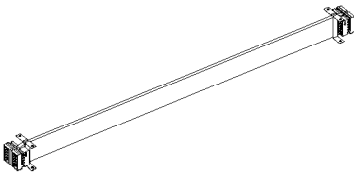
TITLE 24 SEQUENCE



ATTACH ALL DUPLEXES IN THE CORRECT ORDER BY FOLLOWING THE APPROPRIATE SEQUENCE

POWER HARNESS BPDH60 SEQUENCE

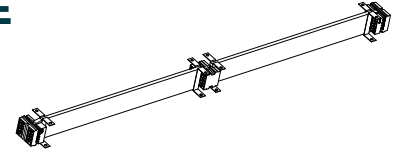
36 Inch Power Harness, Receives 4 Duplexes.



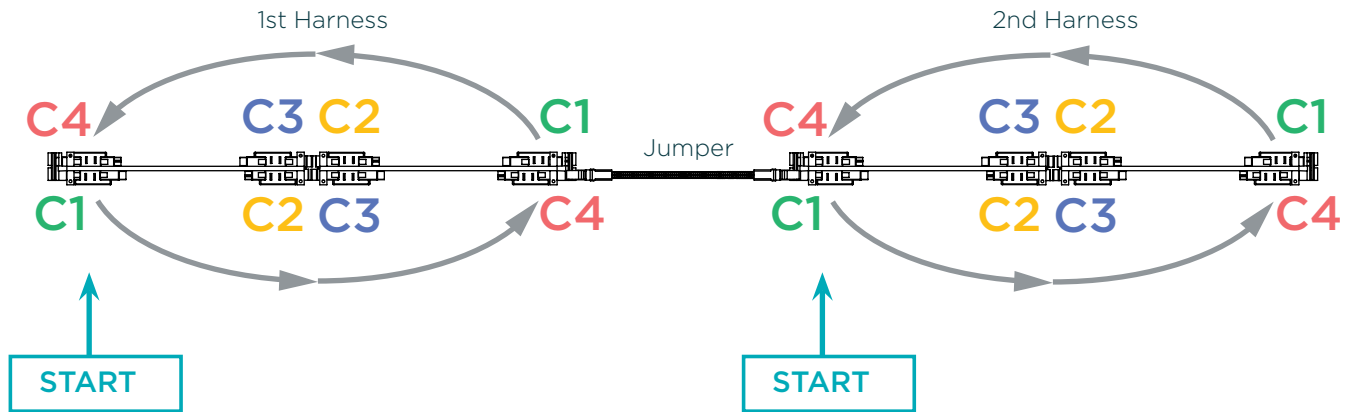
ATTACH ALL DUPLEXES IN THE CORRECT ORDER BY FOLLOWING THE APPROPRIATE SEQUENCE

POWER HARNESS BPDH60-8 SEQUENCE

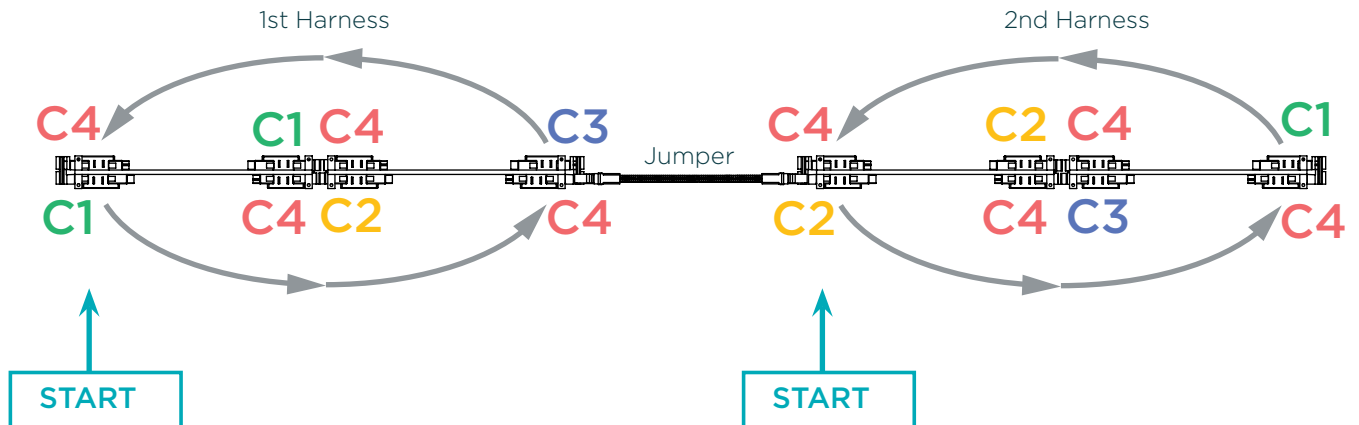
36 Inch Power Harness, Receives 8 Duplexes.



STANDARD SEQUENCE

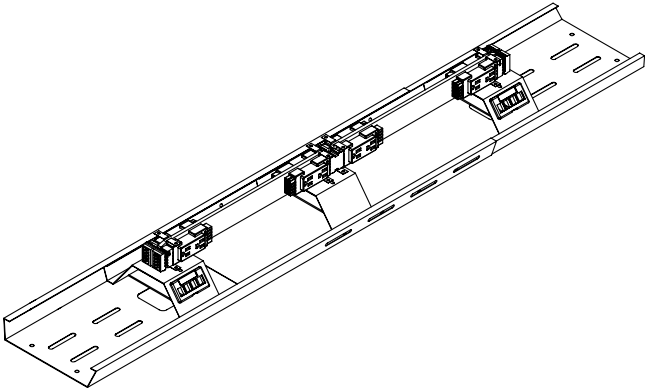


TITLE 24 SEQUENCE



ATTACH ALL DUPLEXES IN THE CORRECT ORDER BY FOLLOWING THE APPROPRIATE SEQUENCE

PARTS LIST

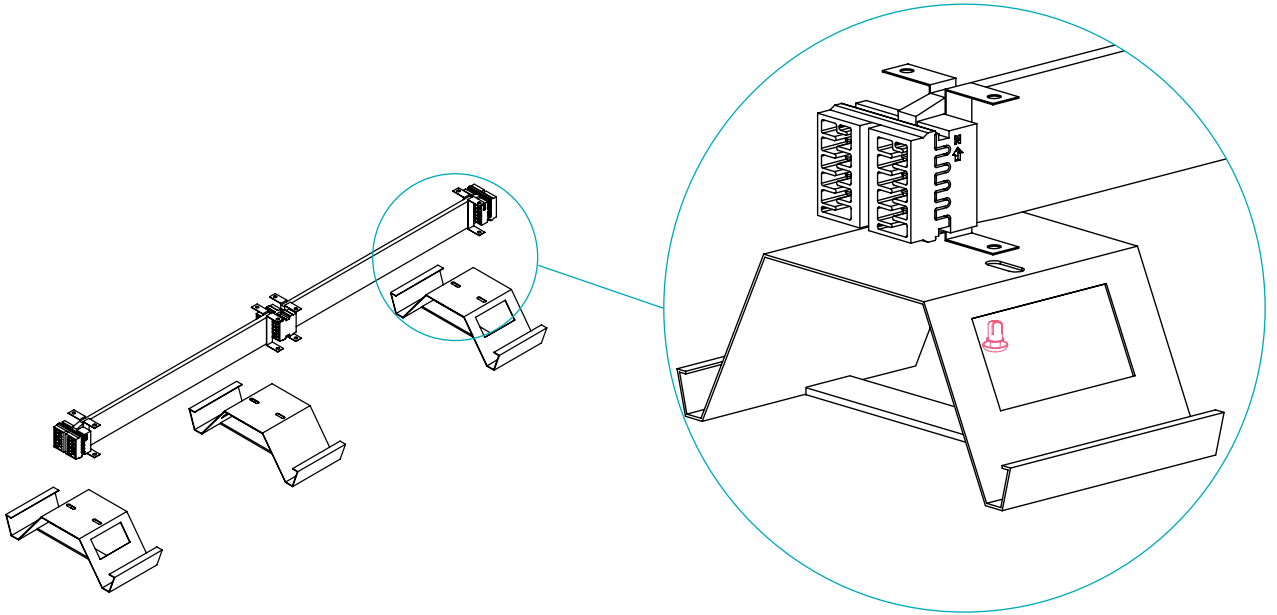


QTY	PRODUCT CODE
1	BCTSM/BCTLM (set of 2)
1	BNCT/BCTX
2-3	BCTX-RK/ BNCT-RK
1	BTEC (set of 2) *if applicable

1 | ATTACH DUPLEXES TO POWER HARNESS

Mount power harness to risers and align power harness c-bracket holes with riser holes. Tighten nut onto bolt through the hole sets.

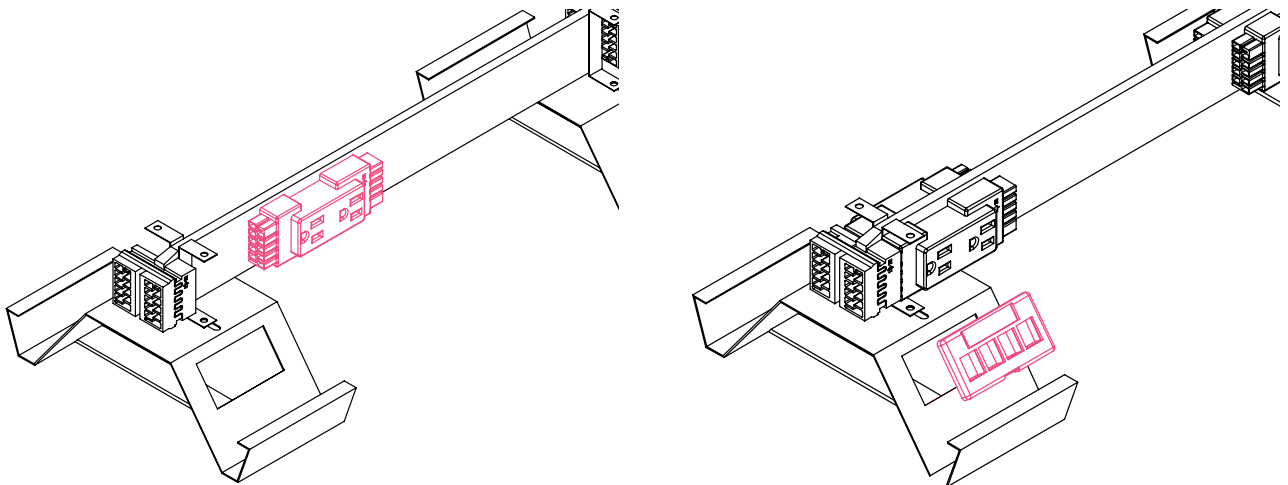
NOTE: 8x Duplex per harness requires 3 risers, 4x Duplex per harness requires 2 risers.



2 | INSERT DUPLEXES AND FACEPLATES

Slide and snap the duplexes onto the harness.

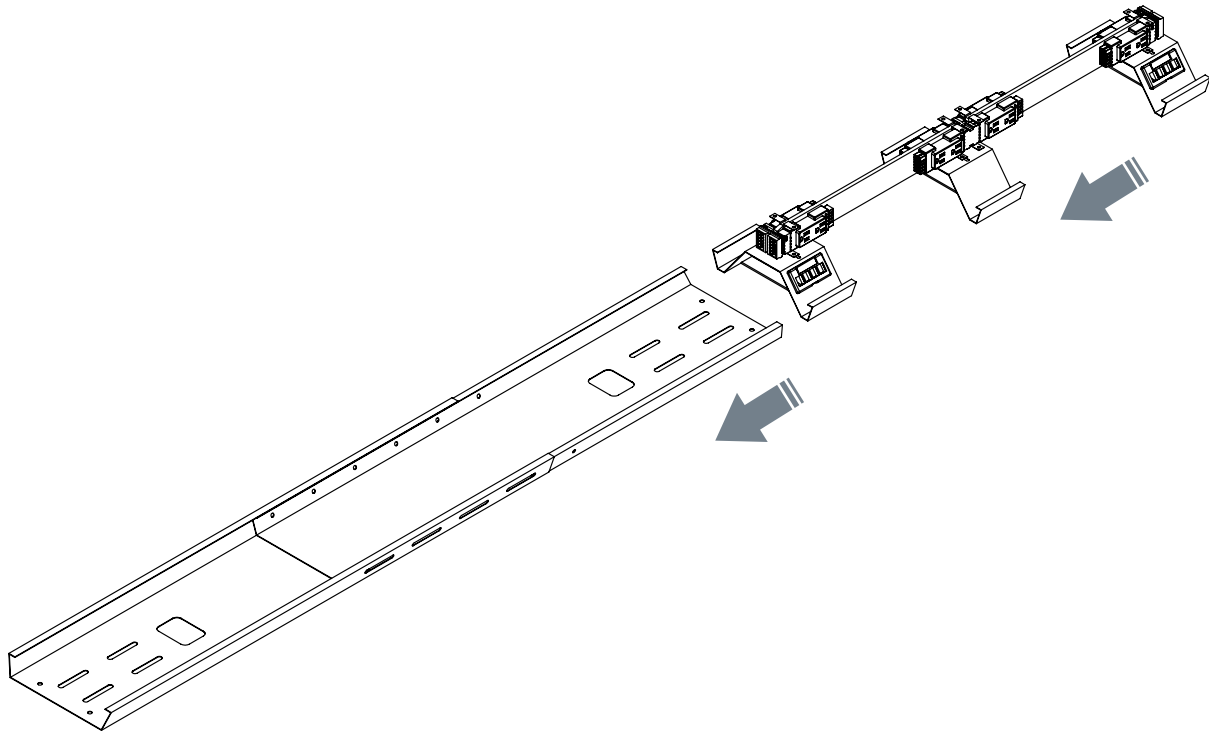
Data faceplates snap into the riser cutout. Position the risers so that the faceplates are turned opposite directions.



ATTACH ALL DUPLEXES IN THE CORRECT ORDER BY FOLLOWING THE APPROPRIATE SEQUENCE

3 | PLACE POWER ASSEMBLY IN CABLE TRAY

Slide risers into cable tray from the end. The shape of the risers interlocks with the shape of the trays.



4 | SECURE TO WORKSTATION

Installation of cable tray will depend on the workstation that is being assembled. Please reference the workstation installation guide to complete these steps.

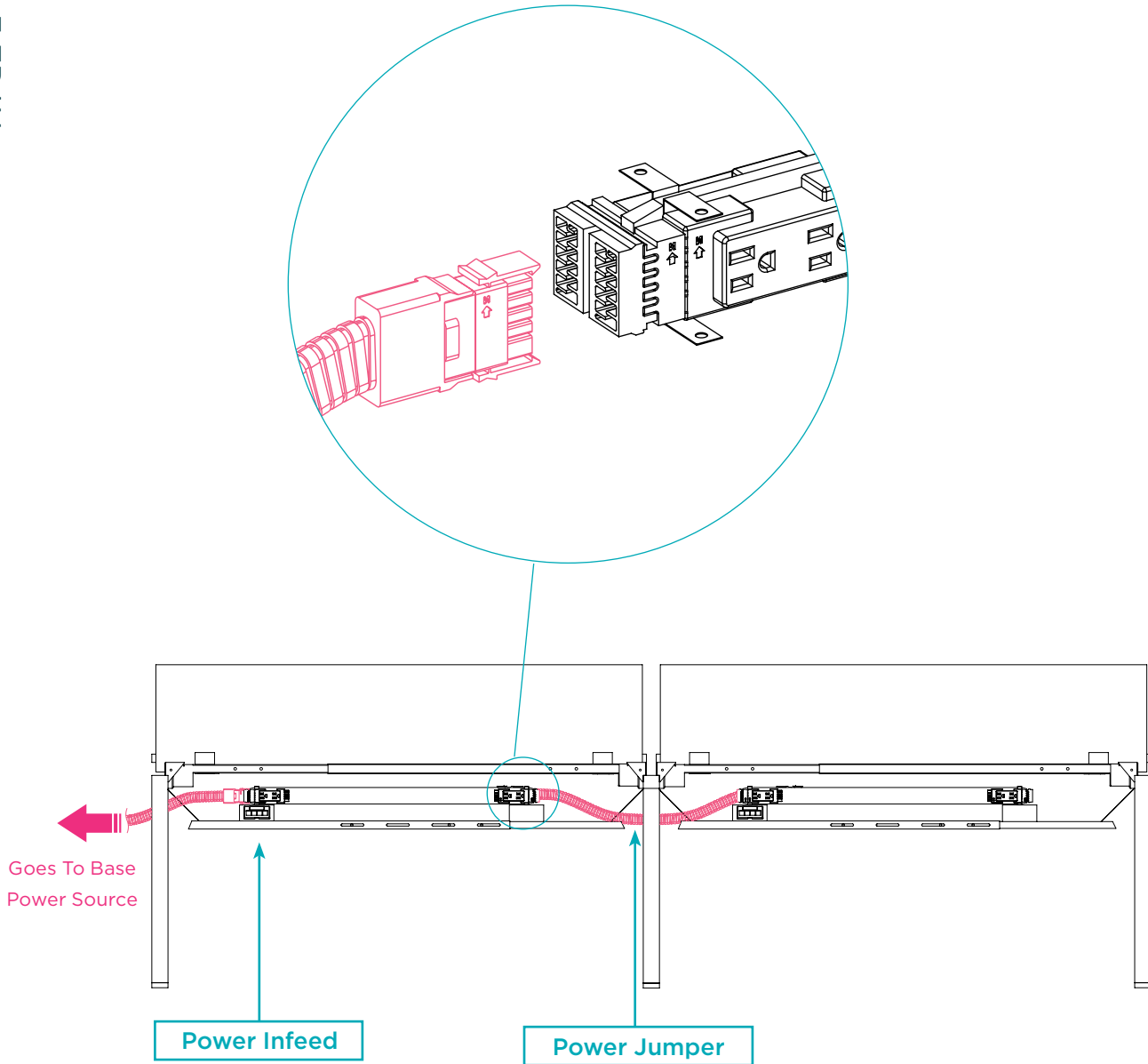


RETURN THE WORKSTATION INSTALL GUIDE TO COMPLETE INSTALLATION

5 | LINK POWER COMPONENTS

Attach the infeed and the jumper. Connect the infeed to the end harness. Connect the jumper to join the two harnesses.

If you do not need a jumper, connect harness to infeed.



IMPORTANT NOTES

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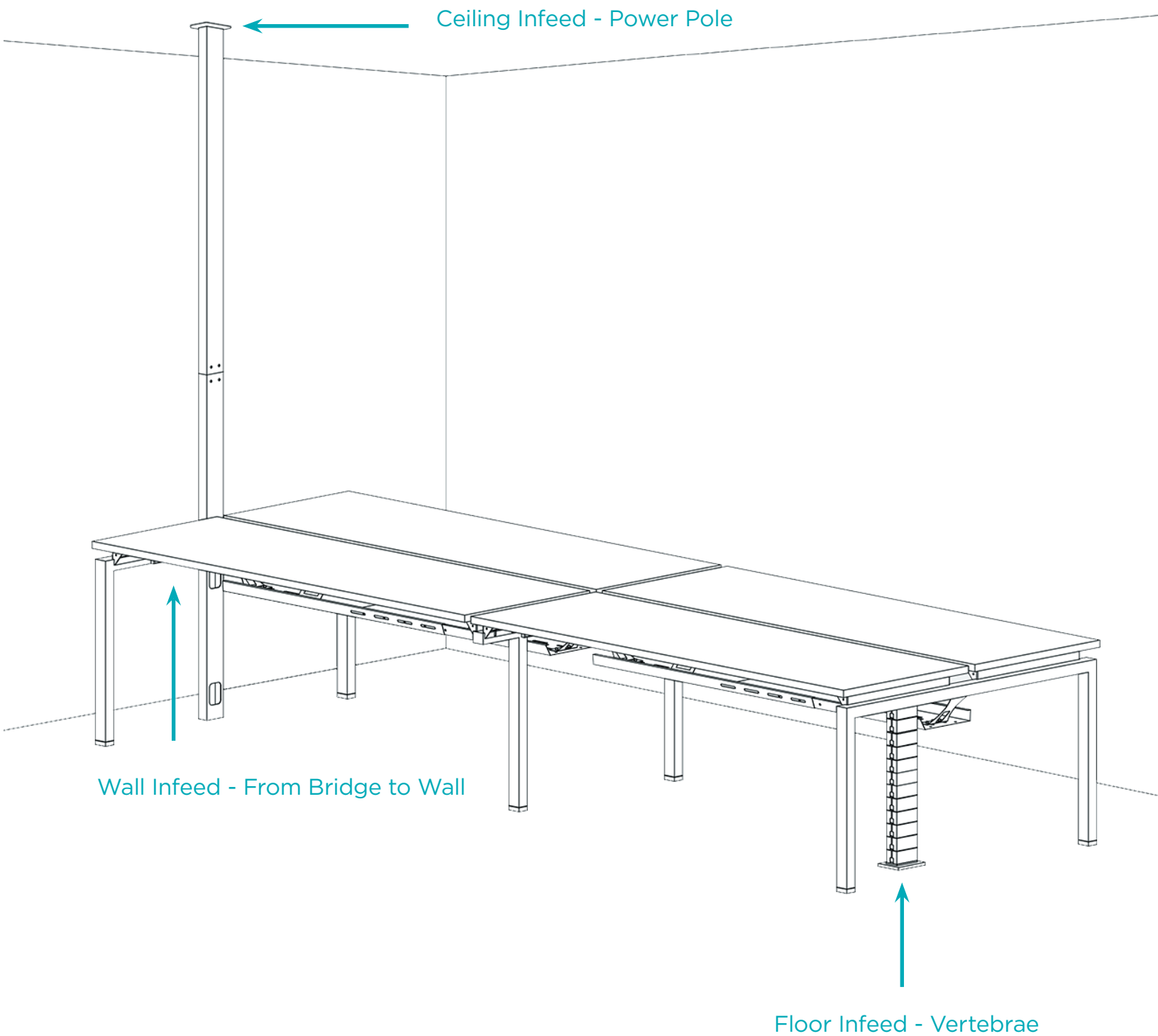
All unused outlets must be capped.



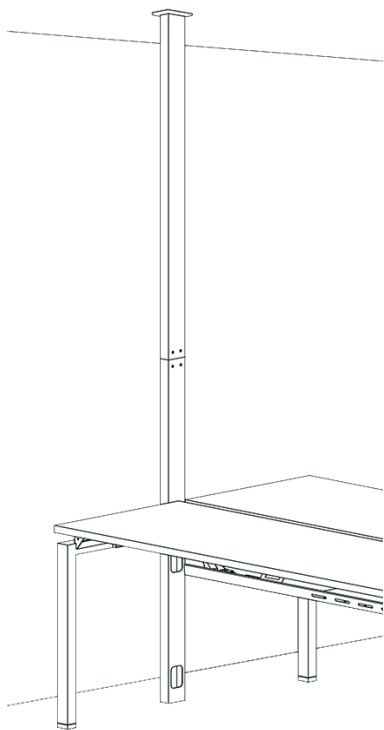
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BLADE INFEEDS



PARTS LIST

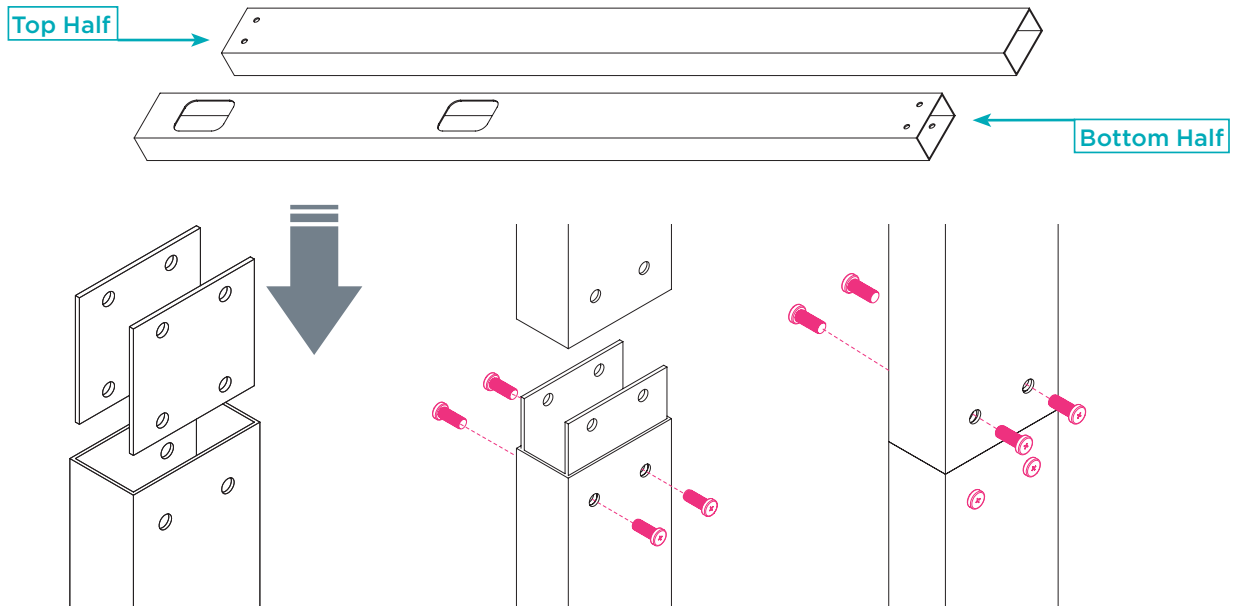


QTY	PRODUCT CODE
1	BBP2
2	Connecting Plates
2	BPPBRK
1	BPPCTP

1 | JOIN POWER POLE HALVES

Lower the connecting plate into the bottom half of the power pole, tighten 4 bolts to secure the plates.

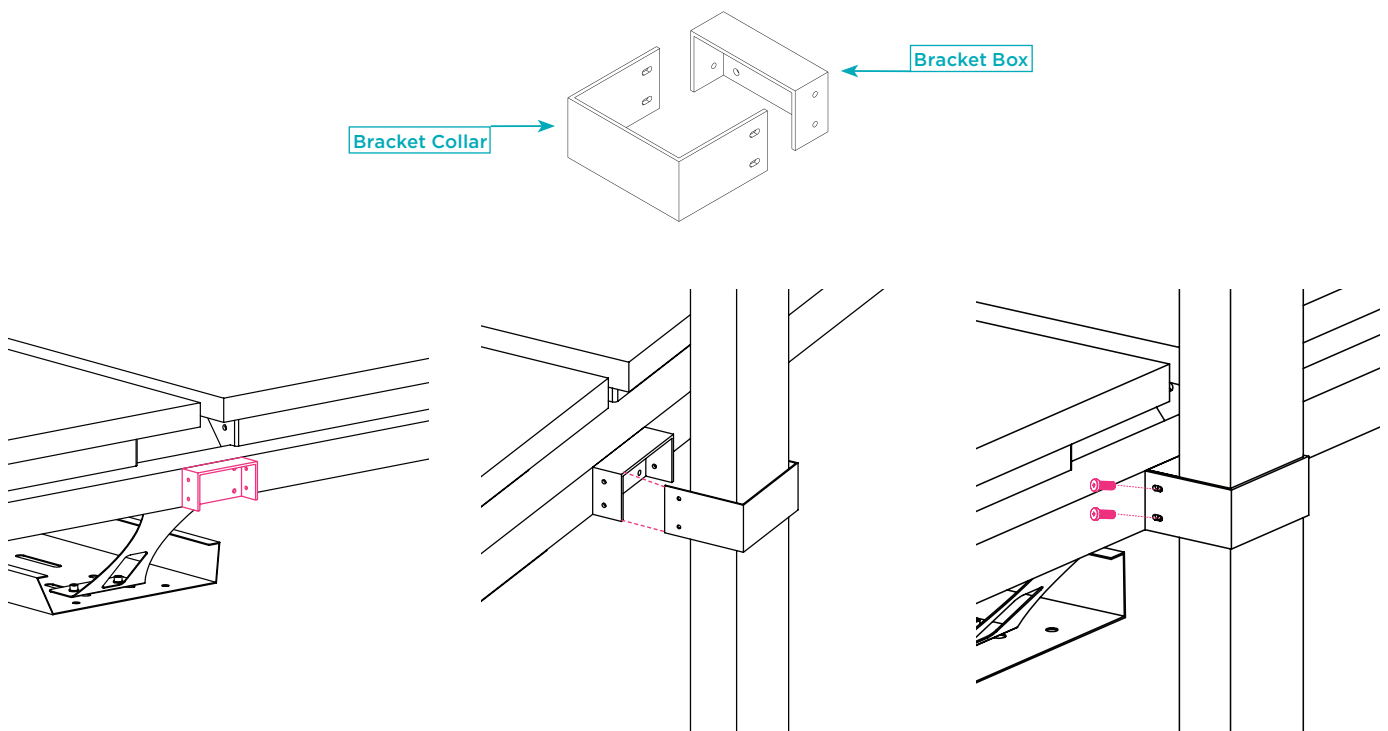
Slide top half of the power pole onto the exposed plates and insert 4 bolts.



2 | SECURE POWER POLE BRACKET TO WORKSTATIONS

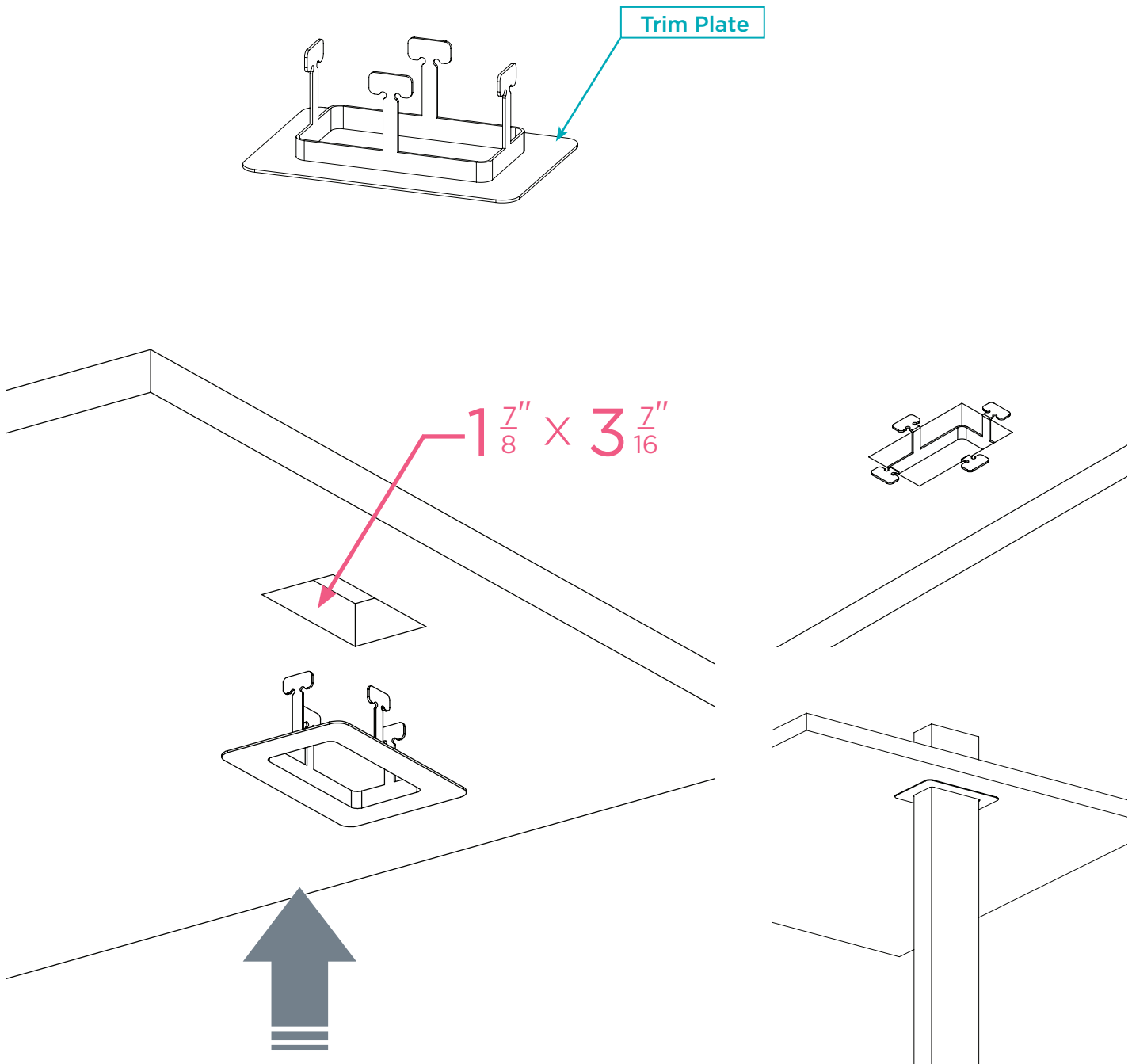
Insert 4 screws to secure the bracket box to the workstations end leg (if possible).

Slide bracket collar around the power pole and push the bracket halves together then attach with 4 bolts.




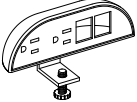
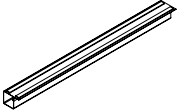



3 | INSERT TRIM PLATE AND POWER POLE

Cut a hole in the appropriate ceiling tile and insert trim plate, tabs first into the hole. Press on each tab to bend them down. The tabs will grip the ceiling tile. Once secure, slide power pole into the opening.



PARTS REFERENCE LIST

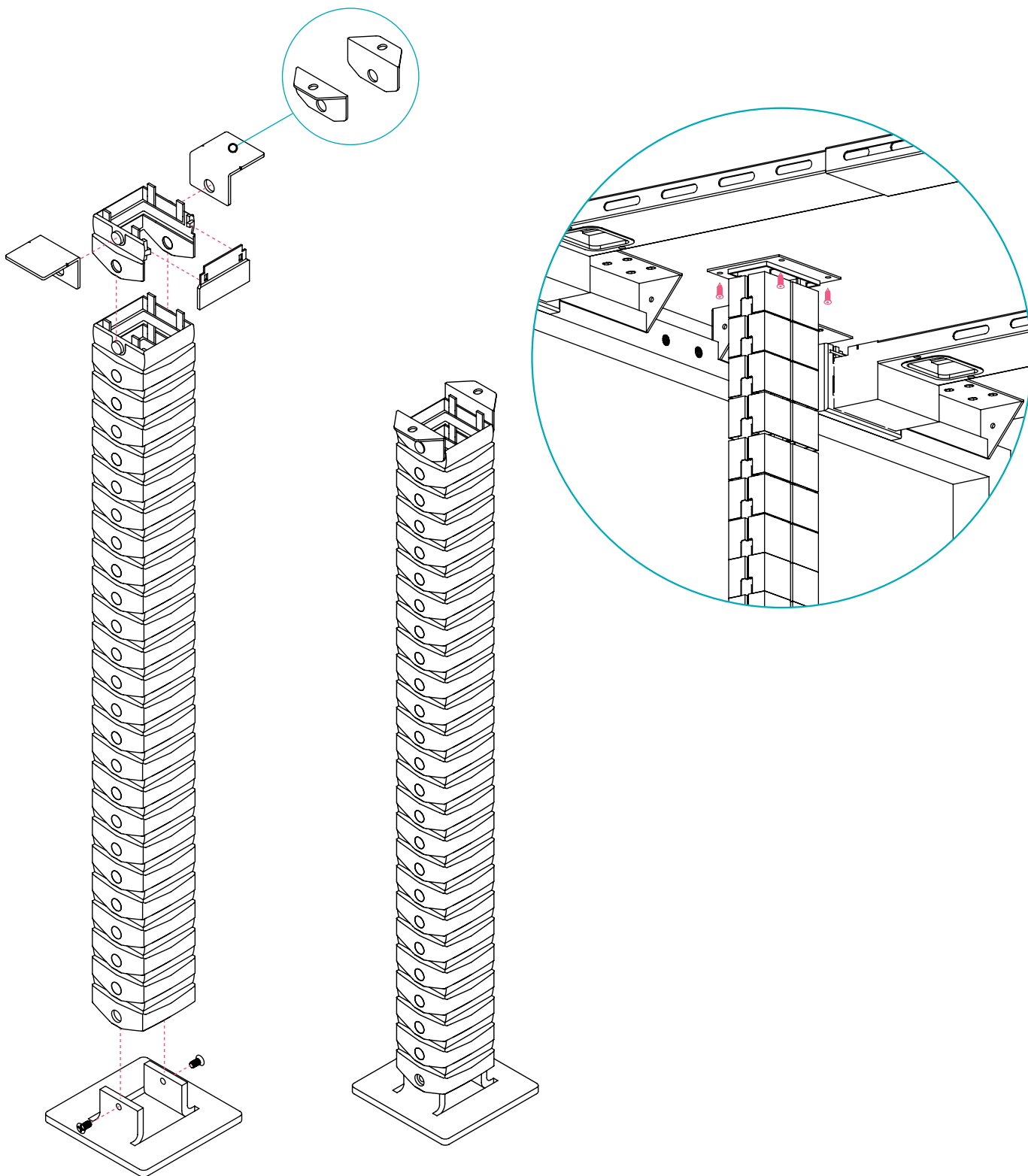
IMAGE	PRODUCT CODE	DESCRIPTION
	VB##	Power Vertebrae
	BPMA	2 Power Outlet Desktop Unit
	BPDMA	2 Data Port Desktop Unit
	BMFDA	Combo, 2 Power Outlet & 2 Data Port Desktop Unit
	BWMJC##	Wire Management J-Channel
	JC1	Wire Management J-Clip

*Check your project specifications for the full product code.

POWER VERTEBRAE

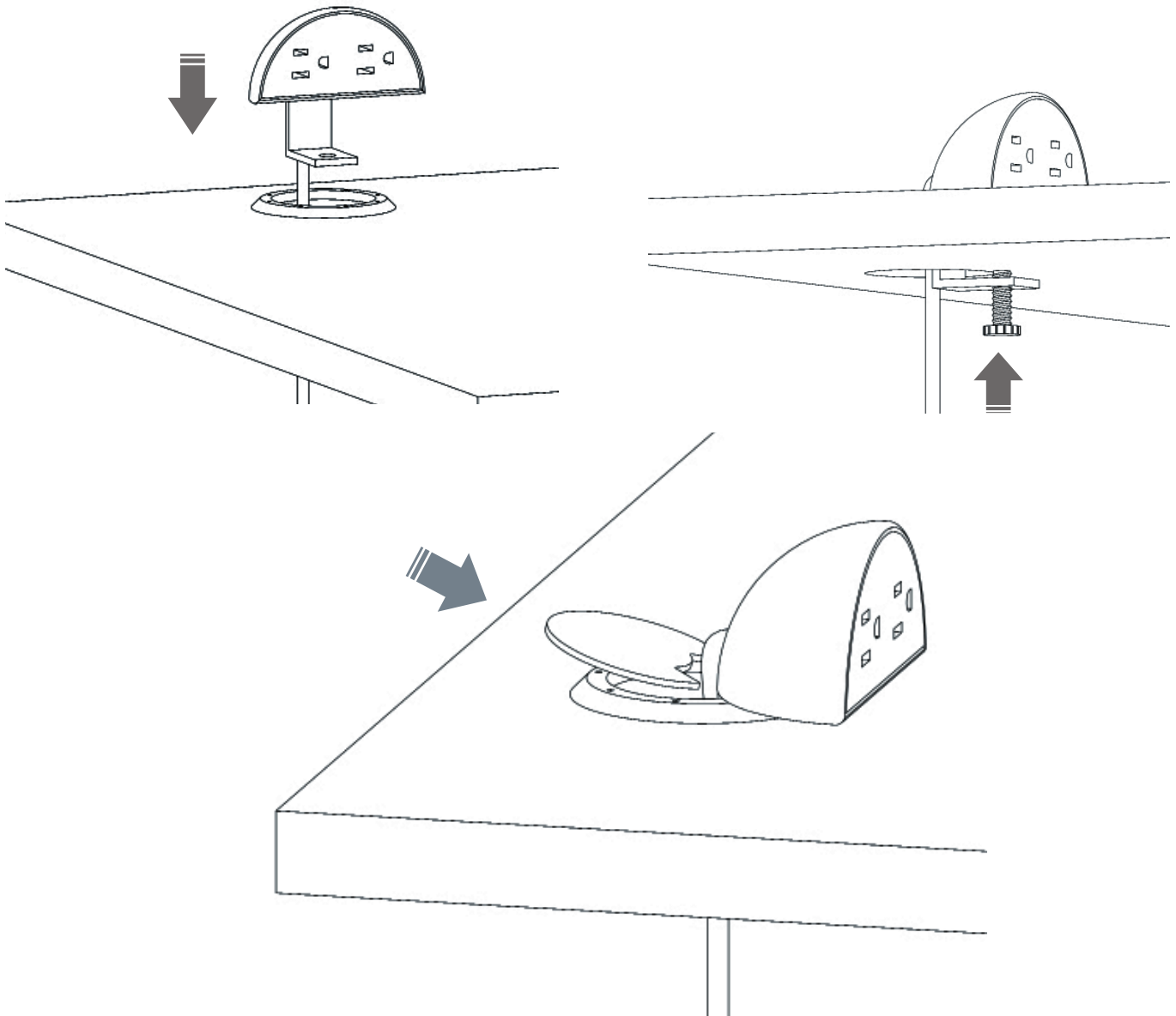
Assemble vertebrae links by inserting the pegs of one link in the holes of the next. Secure vertebrae to base with two screws.

Attach vertebrae to surface with 2 wood screws through the top brackets and into the underside of the surface.



DESKTOP POWER UNITS

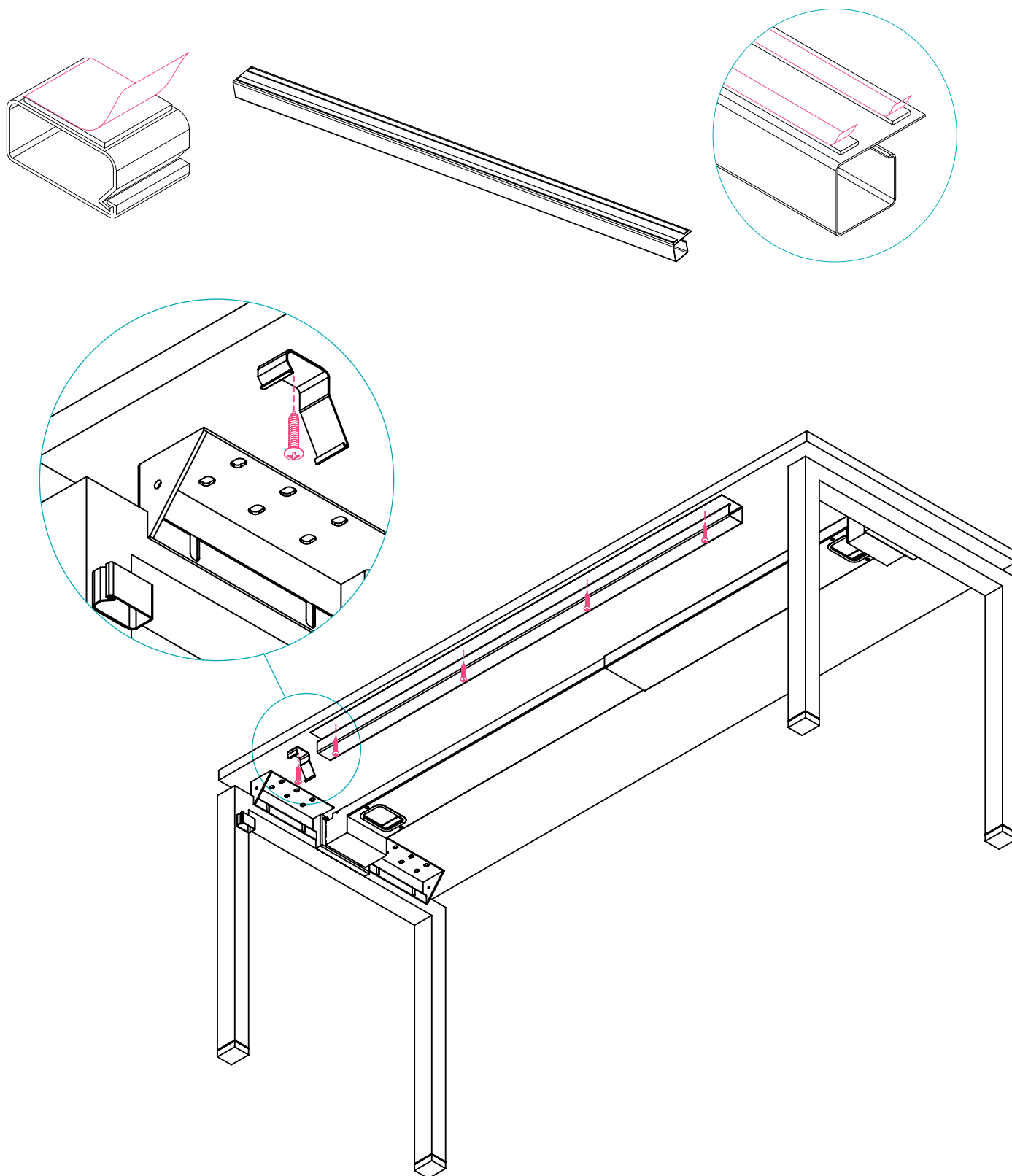
Remove grommet cover and lower power unit into grommet hole. Tighten the bolt on the underside of the surface and replace grommet cover.



J-CHANNEL & J-CLIP

Remove the backing from the adhesive strips then stick the J-channel or J-clip to a clean dry surface.

Insert wood screw(s) to secure the J-channel or J-clip to the underside of a worksurface.





Workspace made easy.