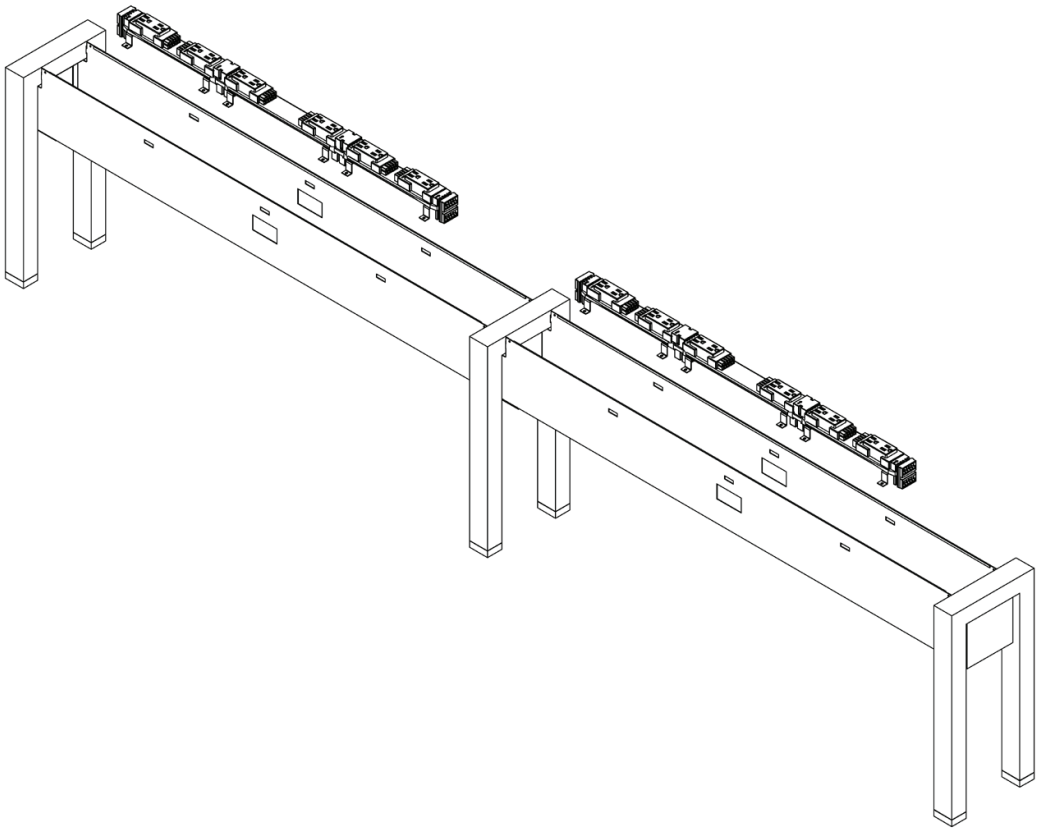
CLEAR
DESIGN



BOOST

POWER & DATA

General Overview Guide

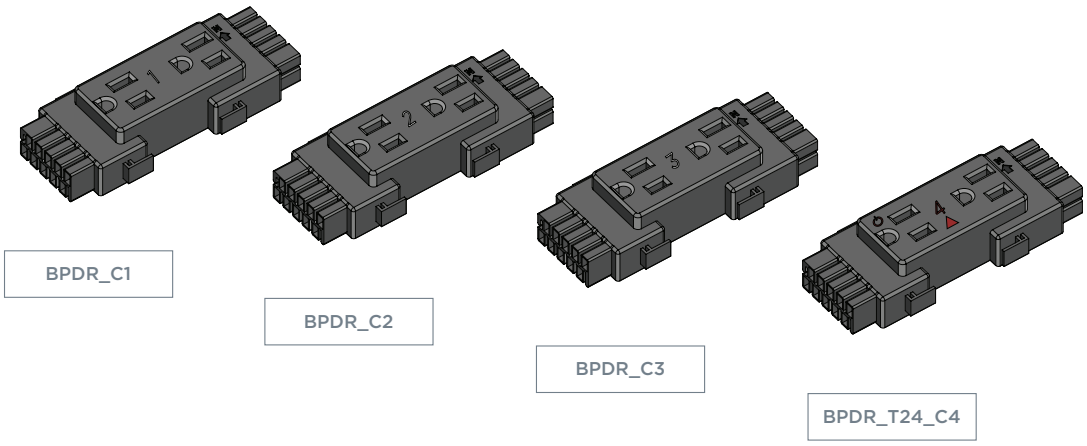
TABLE OF CONTENTS

EDITION CODE

KEY CONCEPTS

1 | DUPLEX RECEPTICALS

Duplex recepticals are designated as circuit 1, 2, 3, or 4. The number is printed on each duplex. Circuit 4 is the sensor activated control circuit.



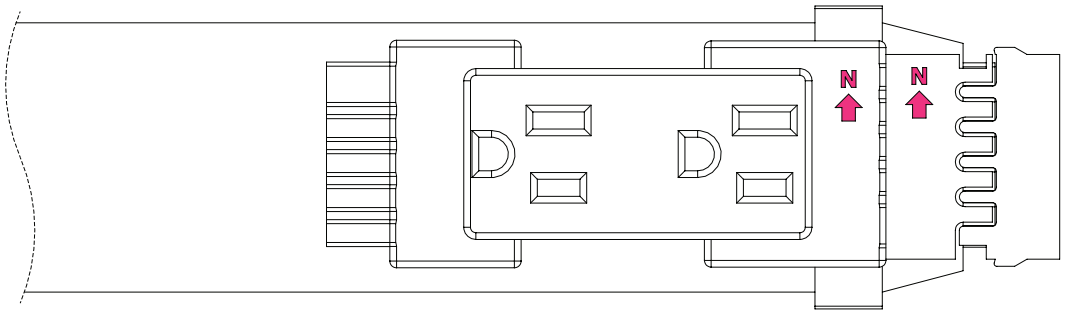
2 | TITLE 24 COMPLIANCE

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.



4 | DUPLEX SEQUENCE

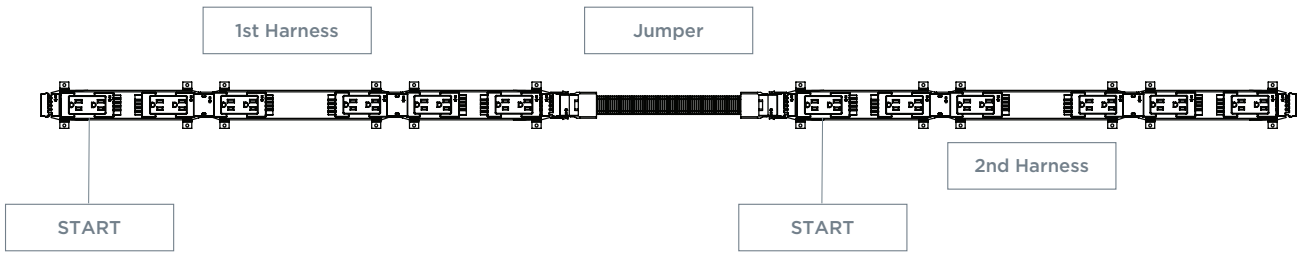
The duplexes must be attached to the harness in a particular order. Arrange the duplexes in the correct order by following the sequence.

Standard Sequence

Title 24 Sequence

5 | ATTACH THE DUPLEXES FROM LEFT TO RIGHT

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.



IMPORTANT NOTES

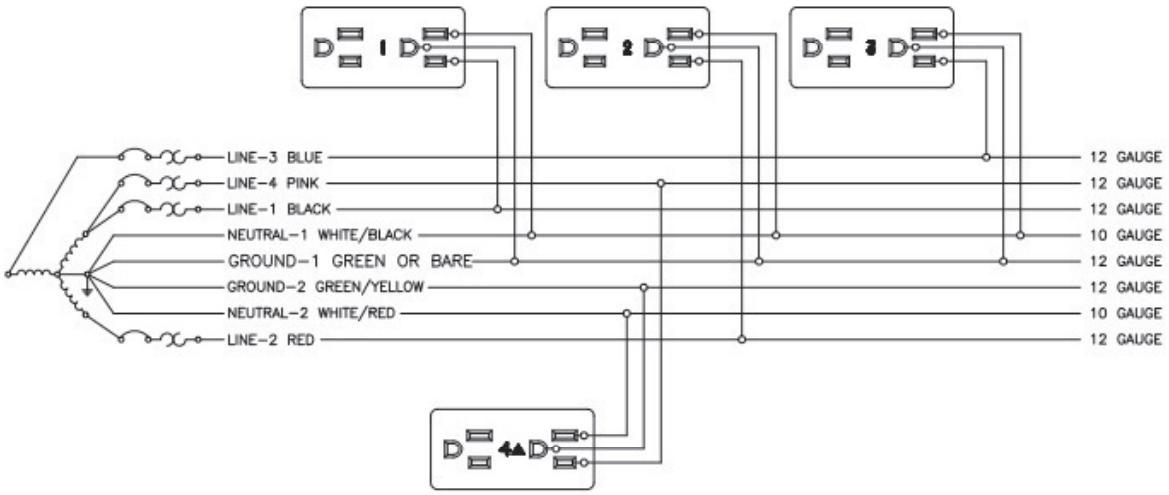
• Connections to the building wiring must be done by a qualified electrician according to national, state, and local codes.

• Never connect components while system is under load.

• All unused outlets must be capped.

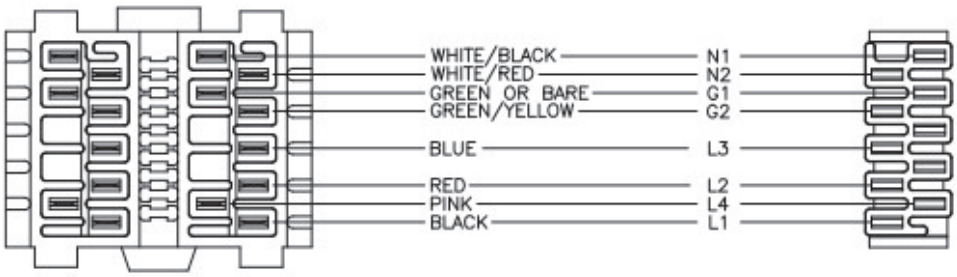
ELECTRICAL SPECIFICATIONS

4-2-2 Wiring Schematic
8-Wire Shared Neutral
"3 + 1" – 3 Utility circuits, 1 dedicated



120/208V WYE

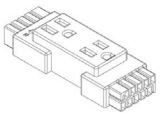
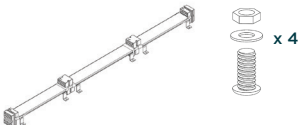
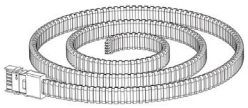
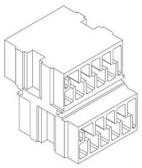
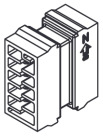
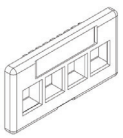
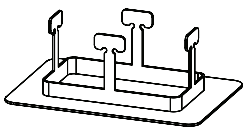
Delta connection & other receptacle configurations available upon request.

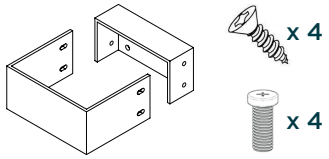
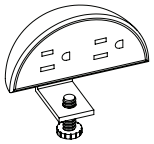
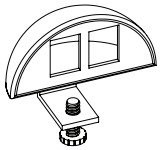
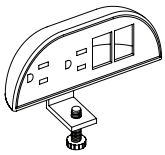
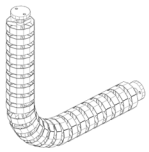
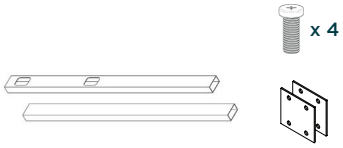


WIRING ORDER 8–WIRE
4–2–2 (3 + 1)
DISTRIBUTION END VIEW

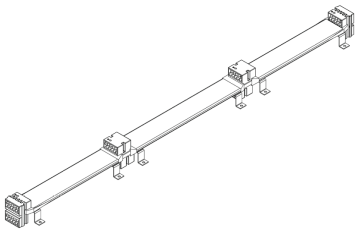
WIRING ORDER 8–WIRE
4–2–2 (3 + 1)
PLUG END VIEW

POWER AND DATA COMPONENTS

CODE	DESCRIPTION	
BPDR	**Duplex Receptical** 2 Power Outlets Each Will be Labeled 1,2,3, or 4	
BPDH60-6	**Power Harness** Distributes Power to 12 Outlets 1 Per Beam	
BPJ	**Power Jumper** Joins power Harness to Distribute Power Supply	
BPIF	**Power Infeed** Connects to Power Source Introduces Power to the System	
BPJCB	**Jumper Connecting Block** Joins up to 4 Jumpers Directs Power in Multiple Directions	
BPPCB	**Two-Way Jumper Block** Joins 2 Jumpers Together Use to Make Alternate Jumper Lengths	
BP4PFP	**Data Faceplate** 4 Data Ports Snaps onto Side Beam	
BPPCTP	**Power Pole Trim Plate** Trims the Opening Where the Power Pole Enters the Ceiling	

CODE	DESCRIPTION	
BPPBRK	**Power Pole Bracket** Used to Anchor the Power Pole To the Desk Frame	
BPMA	**Desktop Power Unit** 2 Power Outlets Clamp to the Surface Edge or Grommet Hole	
BPDMA	**Desktop Data Unit** 2 Data Ports Clamp to the Surface Edge or Grommet Hole	
BMFDAV2	**Desktop Combo Unit** 2 Power Outlets + 2 Data Ports Clamp to the Surface Edge or Grommet Hole	
MGCC	**Cable Chain** Contains Hanging Wires Glides Up and Down with Desk	
BPP3&4	**Power Pole** Guides Power infeed from the Ceiling to the Beam	

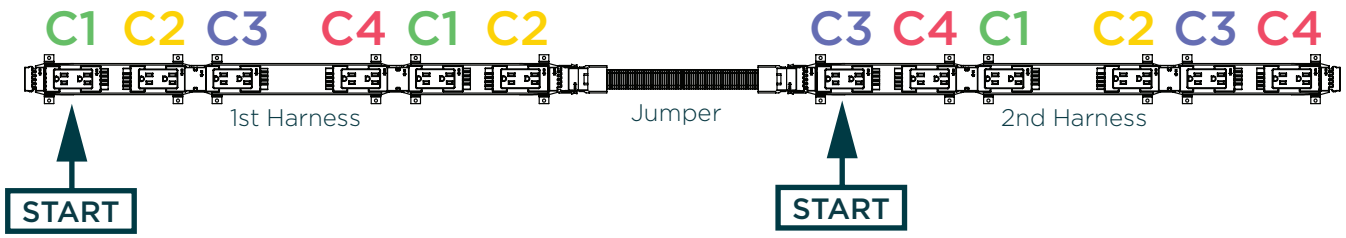
36" POWER HARNESS



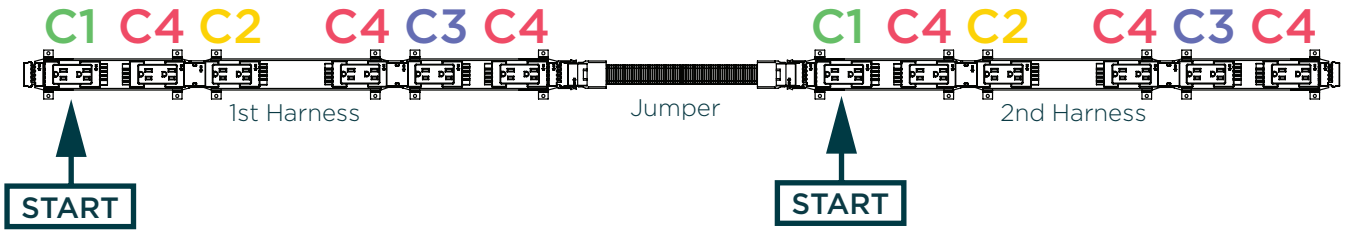
SEQUENCE

Attach duplexes in correct order by following sequence

STANDARD SEQUENCE



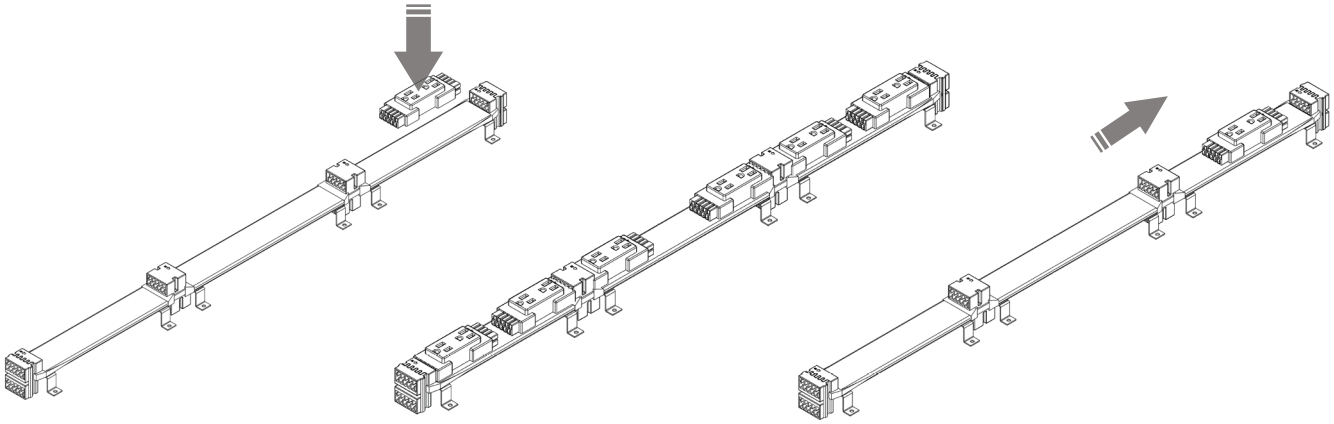
TITLE 24 SEQUENCE



POWER ASSEMBLY

1 | CONNECT 6 DUPLEXES TO HARNESS

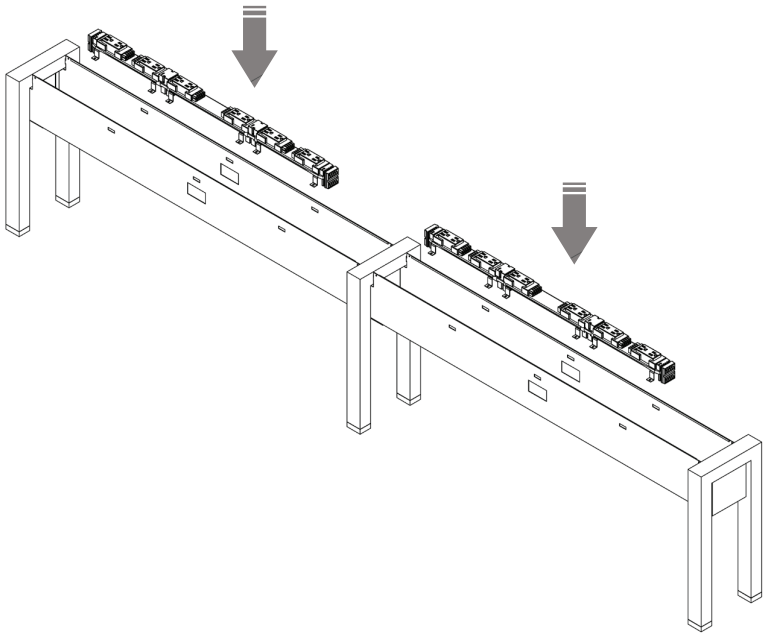
Duplexes slide and snap into the harness.



A B C

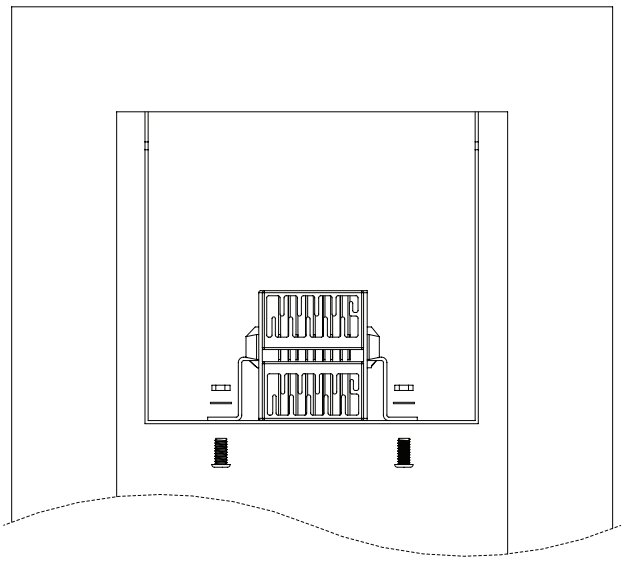
2 | LOWER HARNESS INTO A BOOST BEAM

Harness bracket holes will align with holes in the beam.



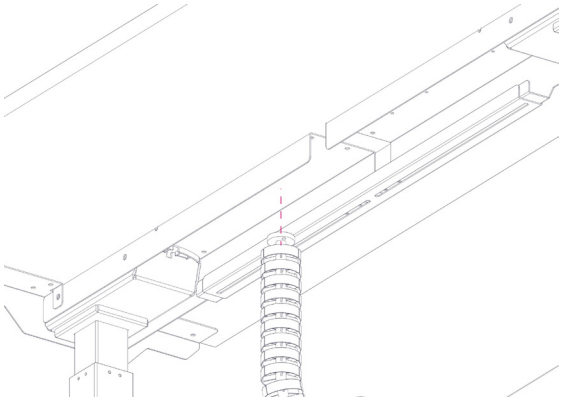
3 | BOLT HARNESS TO BOOST BEAM

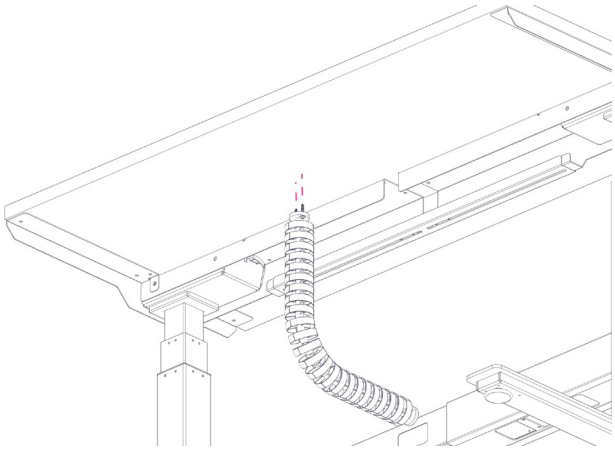
Insert a bolt through each hole set and tighten on a nut to secure.



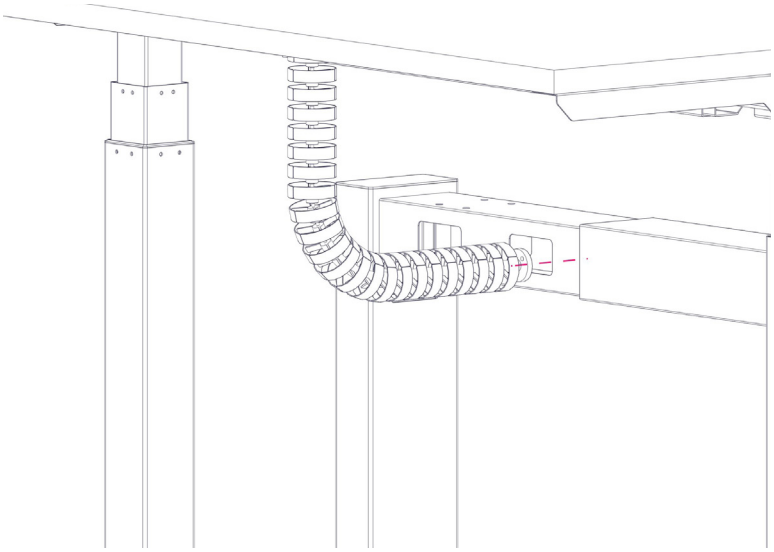
CABLE CHAIN

1 | ATTACH CABLE CHAIN TO UNDERSIDE OF SURFACE

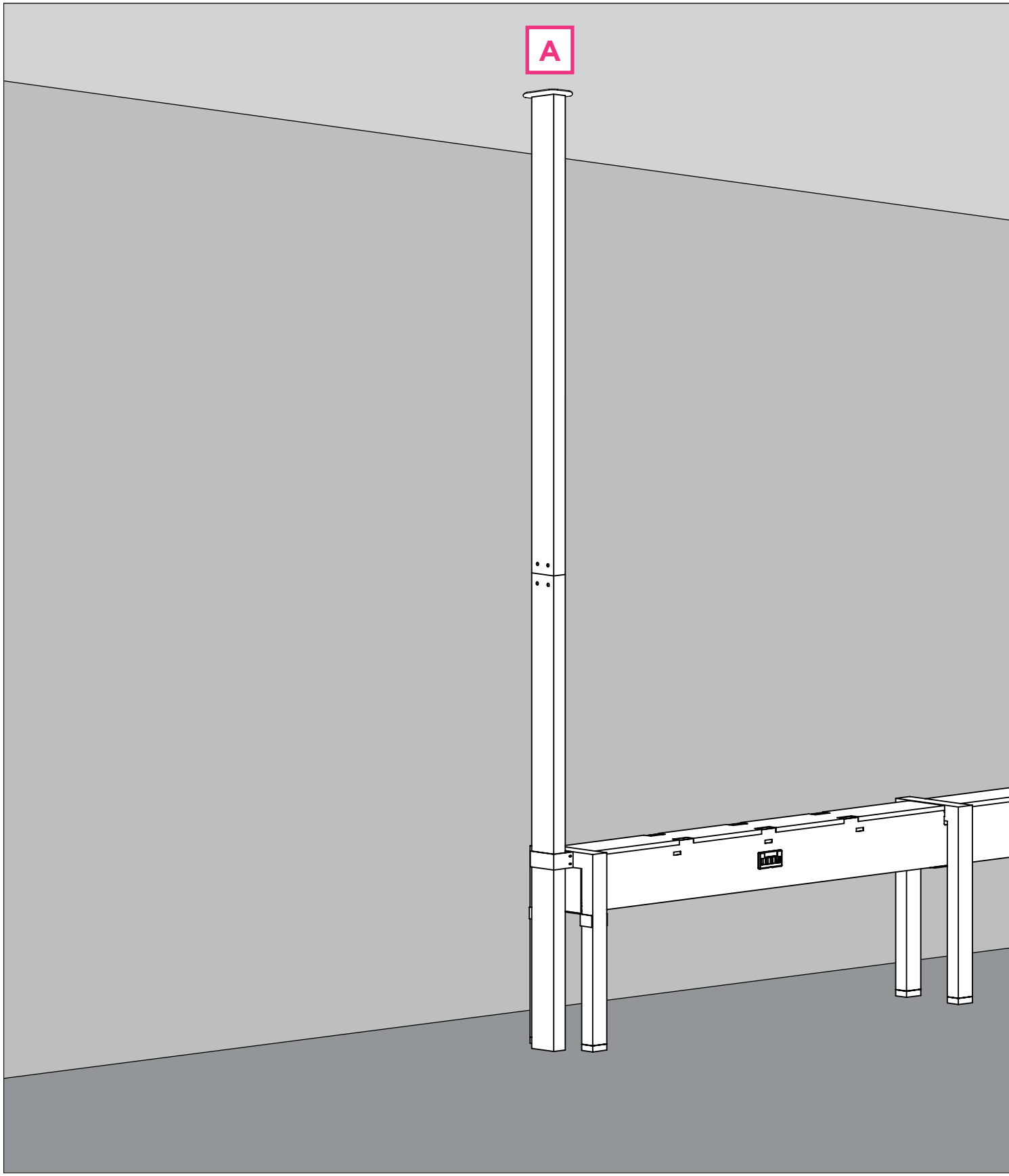




2 | ATTACH CABLE CHAIN TO CABLE TRAY



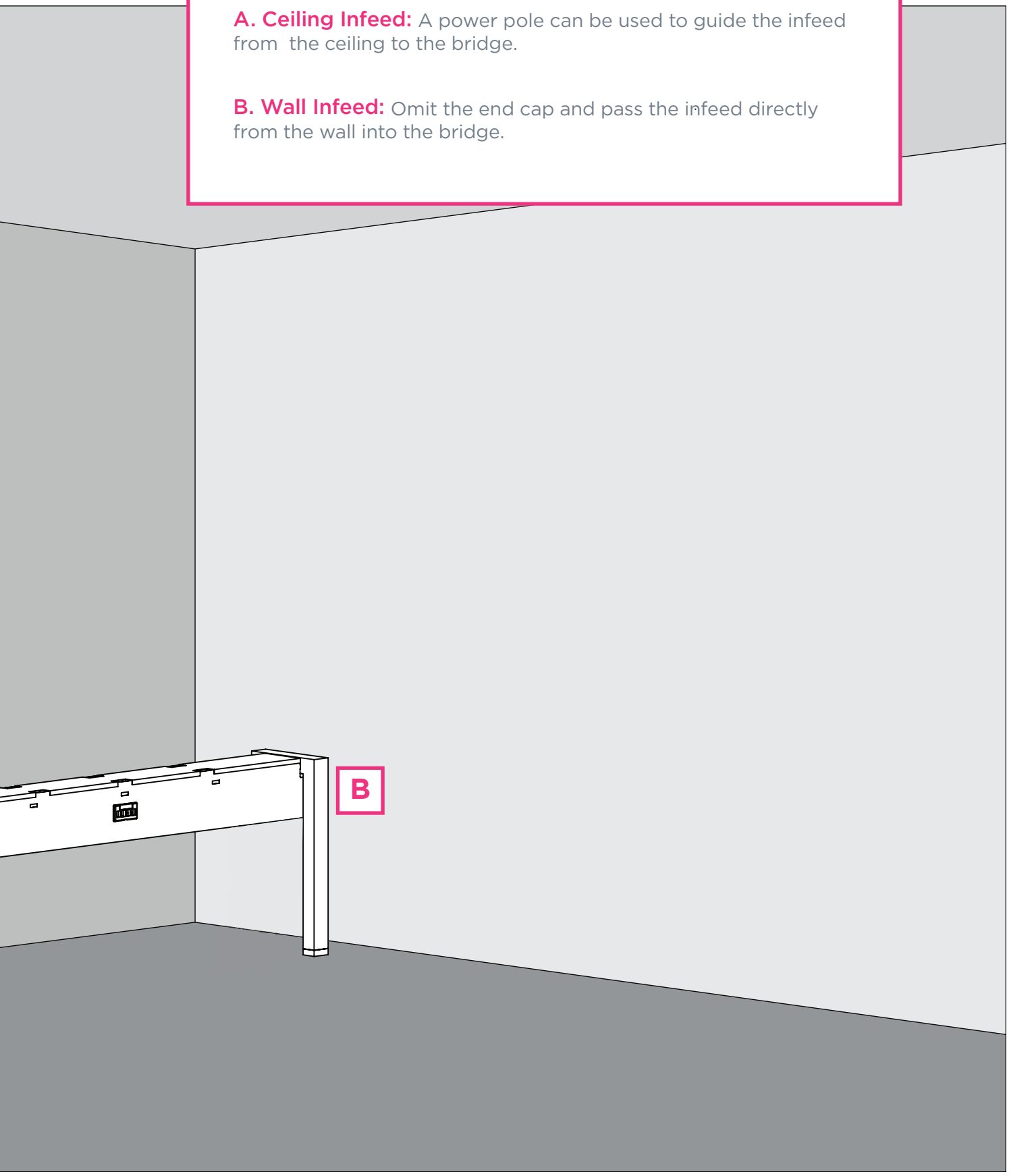
INFEED



INFEED LOCATION TYPES

A. Ceiling Infeed: A power pole can be used to guide the infeed from the ceiling to the bridge.

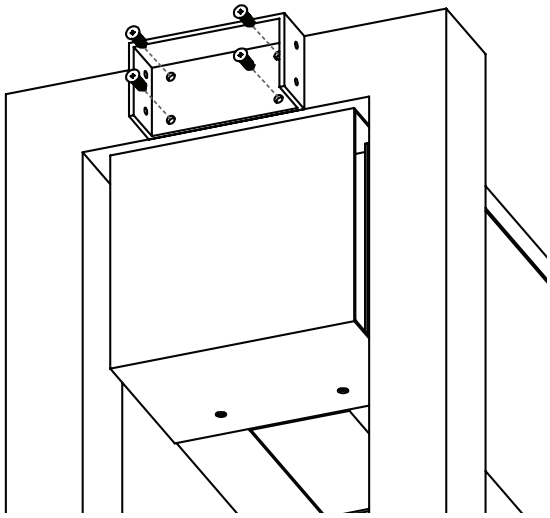
B. Wall Infeed: Omit the end cap and pass the infeed directly from the wall into the bridge.



POWER POLE

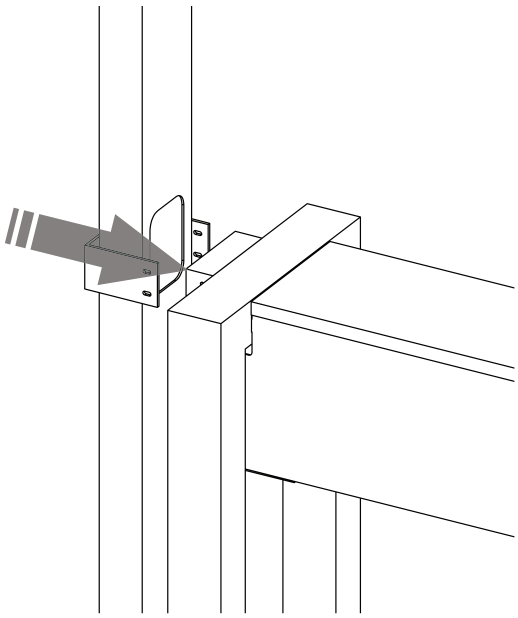
1 | MOUNT POWER POLE BRACKET

Insert 4 screws to secure the bracket box. Attach to an end leg whenever possible.



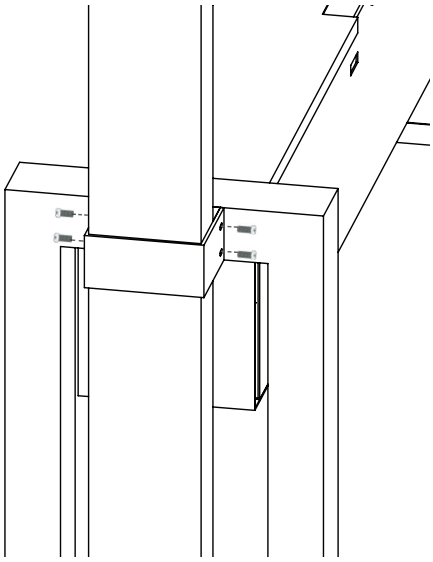
2 | POSITION POWER POLE

Slide bracket collar around the power pole. Push bracket halves together.



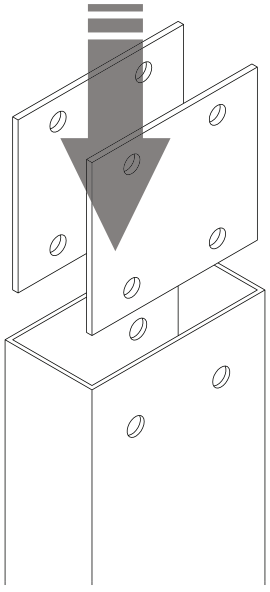
3 | SECURE THE BRACKET

Attach bracket halves with 4 screws. Power Pole will be clamped in place.



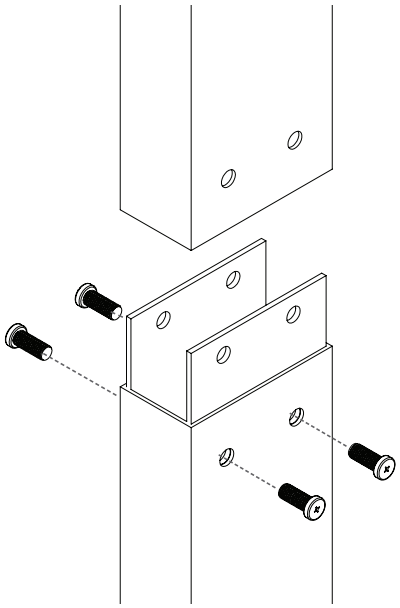
4 | INSERT CONNECTING PLATES

Lower connecting plate into bottom half of power pole.



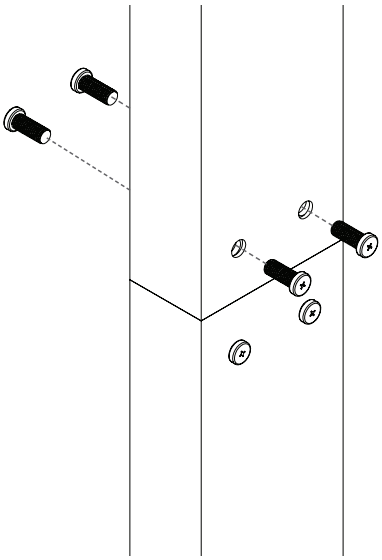
5 | BOLT ON CONNECTING PLATES

Tighten 4 bolts to secure plates. Align op half of power pole.



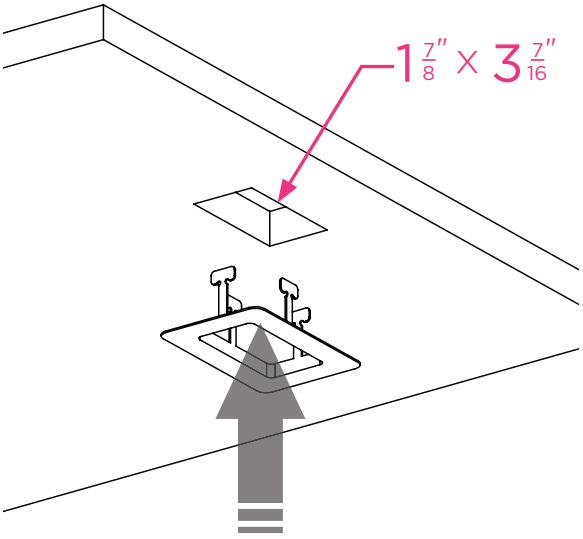
6 | BOLT ON TOP HALF

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



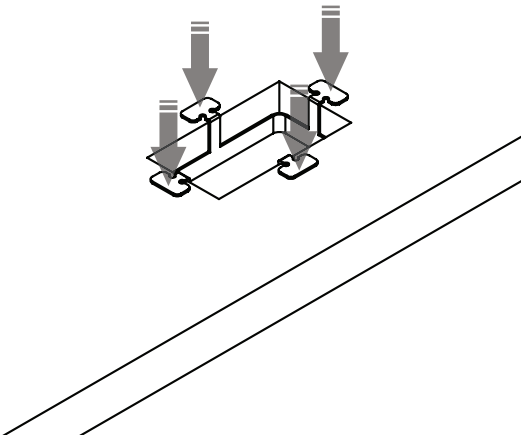
7 | INSERT TRIM PLATE

Cut a hole in appropriate ceiling title. Insert trim plate, tabs first into hole.



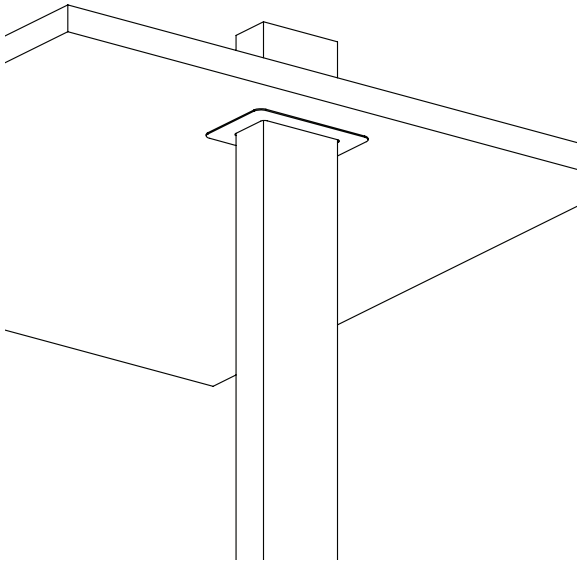
8 | SECURE TRIM PLATE

Press on each tab to bend them down. The tabs will grip ceiling tile.



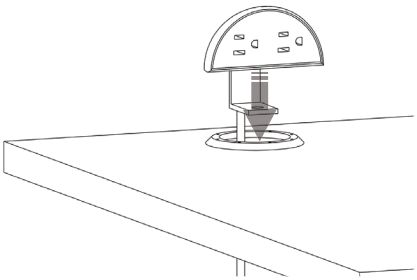
9 | INSERT POWER POLE

Slide Power pole into opening. Trim plate provides finished look.

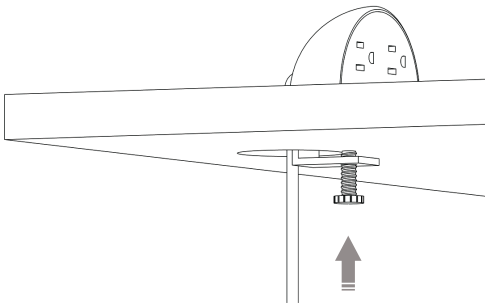


DESKTOP UNITS

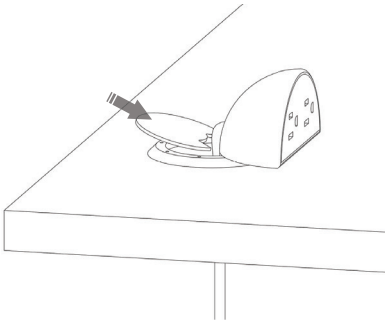
1 | LOWER INTO GROMMET HOLE



2 | TIGHTEN BOLT



3 | INSERT GROMMET COVER



CLEAR
DESIGN

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