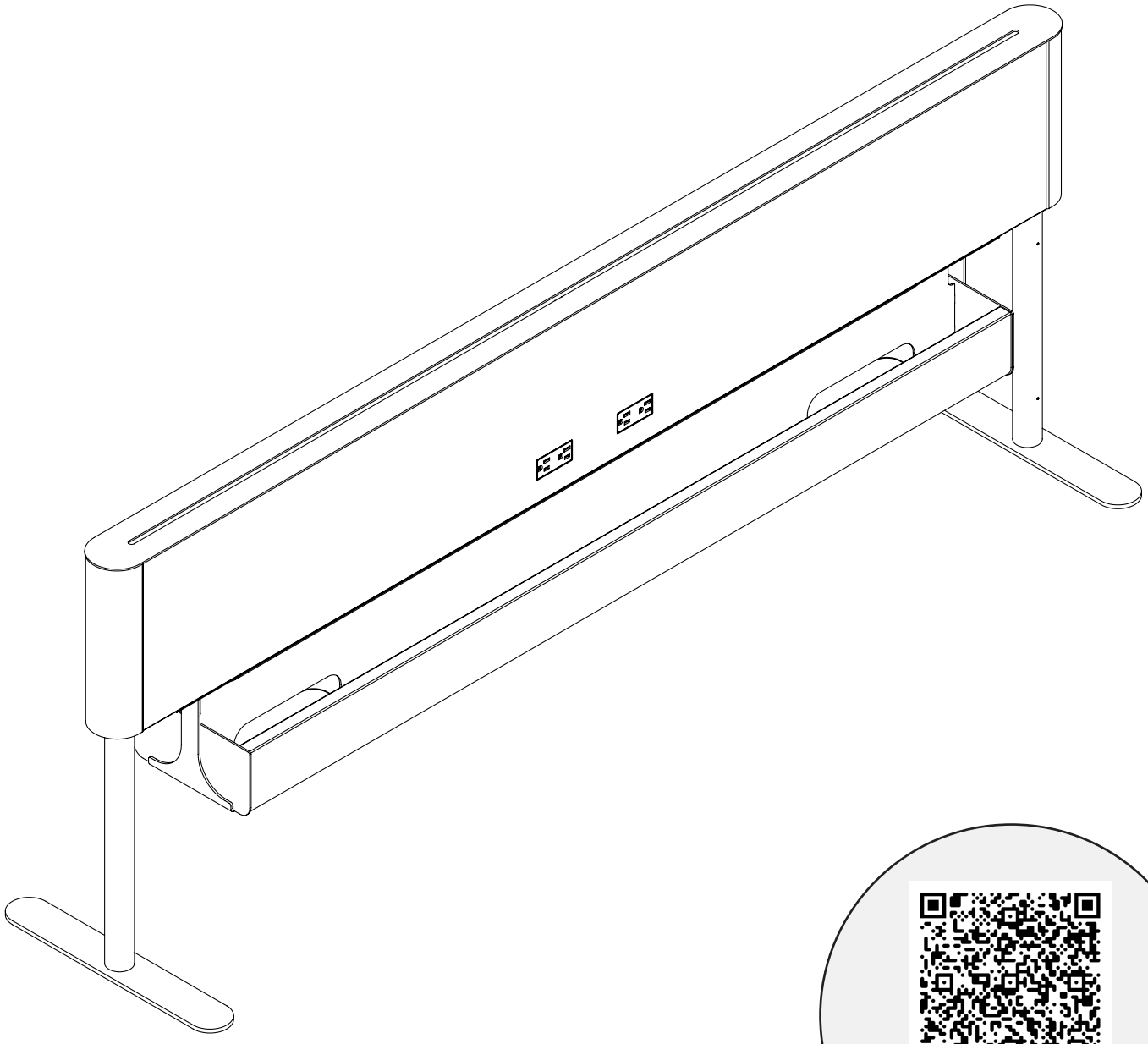
ASSEMBLY

Edison Junior Rail



View Digitally

WARNINGS

WARNING - Risk of Fire or Electric Shock. It is possible for this office furnishing system to be connected to more than one source of supply. Disconnect all sources prior to any servicing. A single circuit shall not be powered by more than one source.

WARNING - Electrical connection between rail segments shall be disconnected prior to removal of a mechanical connection.

WARNING - The system may be supplied by a three phase power system with four individual circuits rated at 20 amps/120 volts maximum, or as permitted by local code.

WARNING - No more than 12 duplex receptacles shall be supplied by one circuit. (12 segments Two Duplex, 6 segments Four Duplex)

WARNING - For commercial use only.

NOTE - Installation must be in accordance with the National Electrical Code and local codes. Electrically interconnected tables need to be mechanically connected.

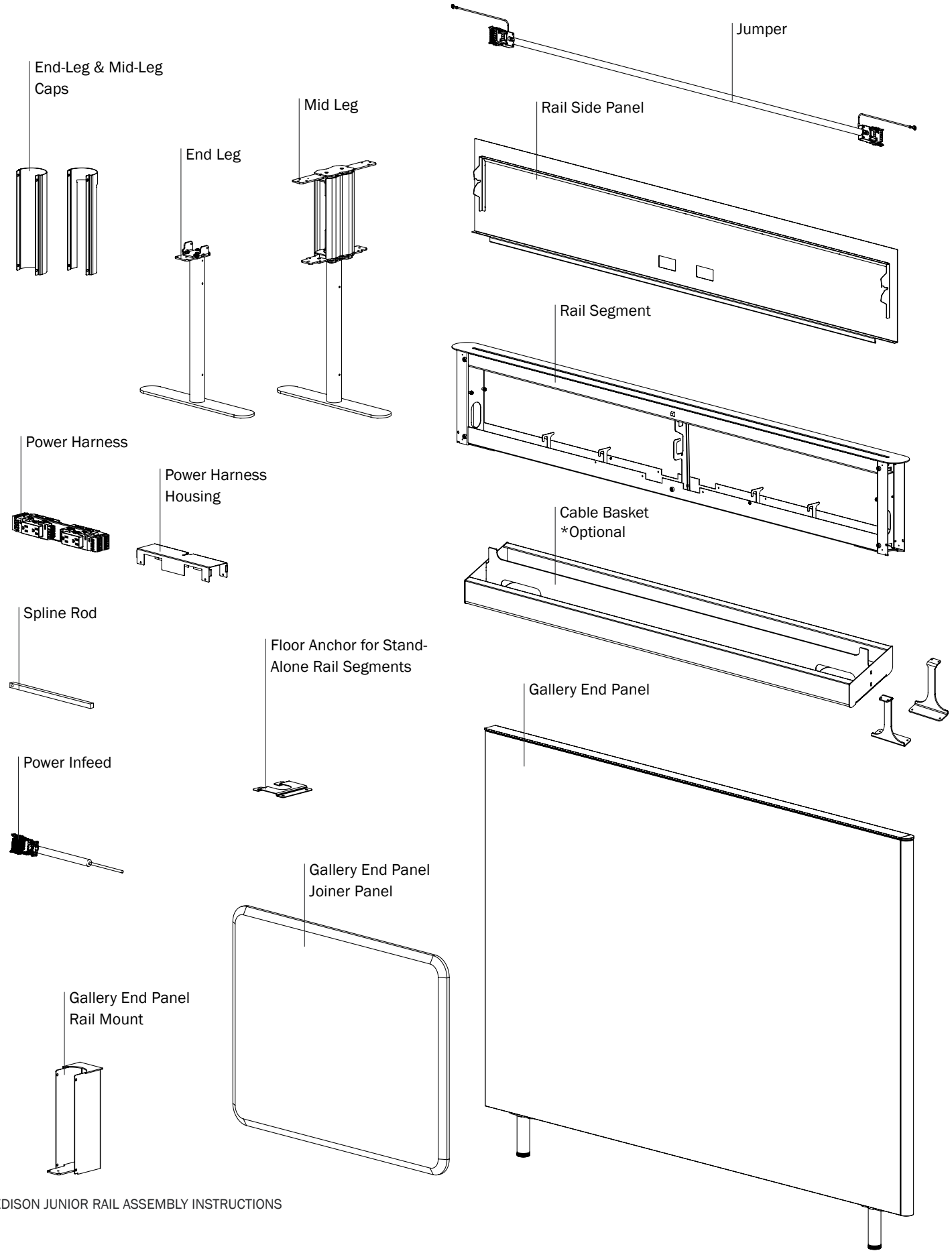
General Rail Assembly Notes

It is recommended to perform as much of the rail assembly upside-down, keeping in mind how many installers are available to flip the run right-side up once assembled.

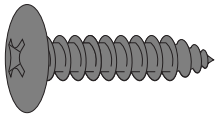
If 1 - 2 installers: flip the first rail segment upside down and complete steps 1 & 2. Then flip the rail right side up and continue with instructions, adding one segment at a time for step 3.

If 3+ installers: complete steps 1-4 with the rail flipped upside down. Once complete, flip right side up. The length of run will determine how many installers are needed to perform the flip.

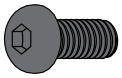
Edison Junior Rail Components



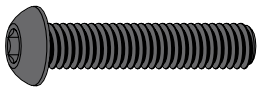
Hardware



Screw SMS #10 x
3/4 Truss Head PH,
Black (122875)



Screw M6-1.00 x
12MM BHSCS, Black
(125285)

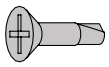


Screw M6 x 30MM
BHSCS, Black
(0002086)

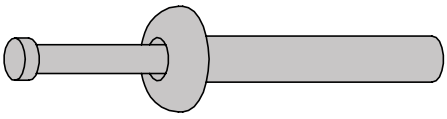
8-32x1/4" Screw,
Steel (121538)

18-8 Lock Washer
#8 .34" OD
(121406)

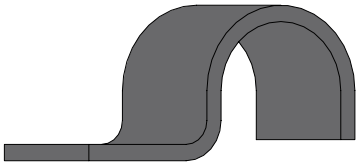
Screw M6 x 50MM
Partial Socket, Black
(0003010)



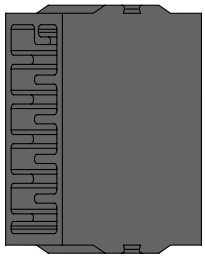
Screw Thread-Cutting
M4 x 8MM FH PH, Zinc
(0003016)



Floor Anchor Screw
(48013)

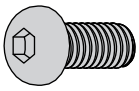


Clip 5/8" Conduit,
Black (391001)



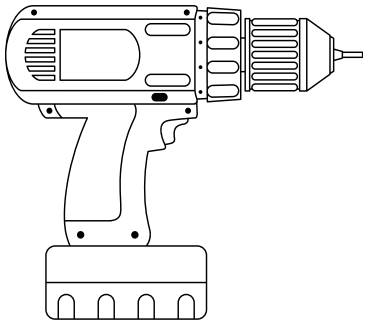
Coupler I Connect
(053714)

*Only included if
customer specified the
optional Cable Basket



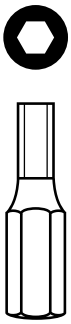
M6 - 1.00 X 12MM
BHSCS (125290)

Tools

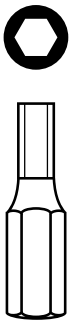


Electric Drill

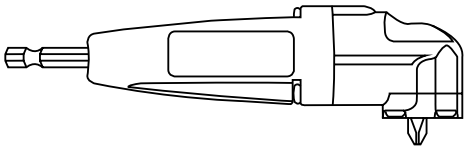
Phillips Drill/Driver
Bit

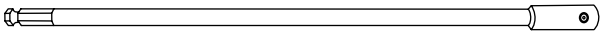


2mm Hex Drill/
Driver Bit



3mm Hex Drill/
Driver Bit





Additional tools such as a 90 Degree Bit and an 18" Extension are helpful for some steps

*No torque or ball bits should be used

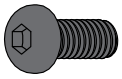
1. Install Wire Management Clips

Flip all rail segments upside down onto a soft surface. Attach the wire management clips to the bottom of the rail using one thread cutting screw per clip (clip quantity depends on segment size).

8-32x1/4" Screw, Steel (121538)

2. Mount End Leg to Rail

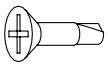
Start with the first rail of the run, and slide the end leg internal to the rail. Drive three screws from the bottom and one on each side.



Screw M6-1.00 x 12MM BHSCS, Black (125285)

3. Mount End Cap to Rail

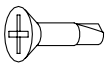
Slide the end cap on from below to clear the end leg fastener. Screw on the end cap from both sides with (2) screws per side. Repeat steps 2 - 3 for the end-of run rail segment.



Screw Thread-Cutting
M4 x 8MM FH PH, Zinc
(0003016)

4. Mount Mid Leg Caps to the Rail

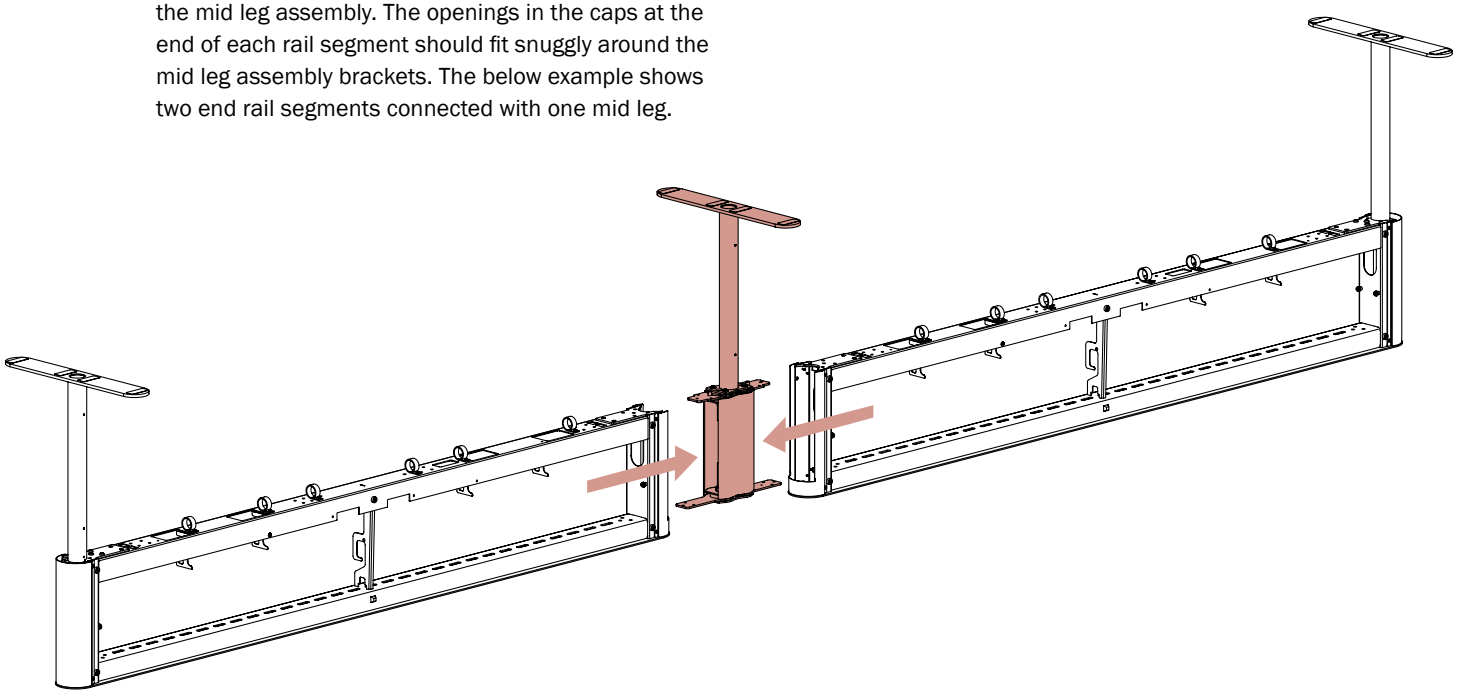
If attaching another rail segment, at the other end of the rail, attached a mid leg cap using (2) screws per side. Repeat this step for all middle rail segments, adding two caps to each mid-segment rail, and one end cap to each end-segment rail.



Screw Thread-Cutting
M4 x 8MM FH PH, Zinc
(0003016)

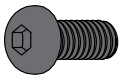
5. Connecting Rail Segments

After installing the mid leg caps, slide the rails onto the mid leg assembly. The openings in the caps at the end of each rail segment should fit snuggly around the mid leg assembly brackets. The below example shows two end rail segments connected with one mid leg.



6. Screw Mid Leg Onto Rails

Secure the mid leg to the rails using (6) screws on each side. Three screws are driven from the underside of the rail, and three from the underside of the rail interior for each side of the leg, as shown. The bottom plate of the leg sits internal to the bottom plate of the rail.



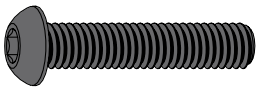
Screw M6-1.00 x 12MM BHSCS, Black (125285)

Optional Gallery End Panel Assembly

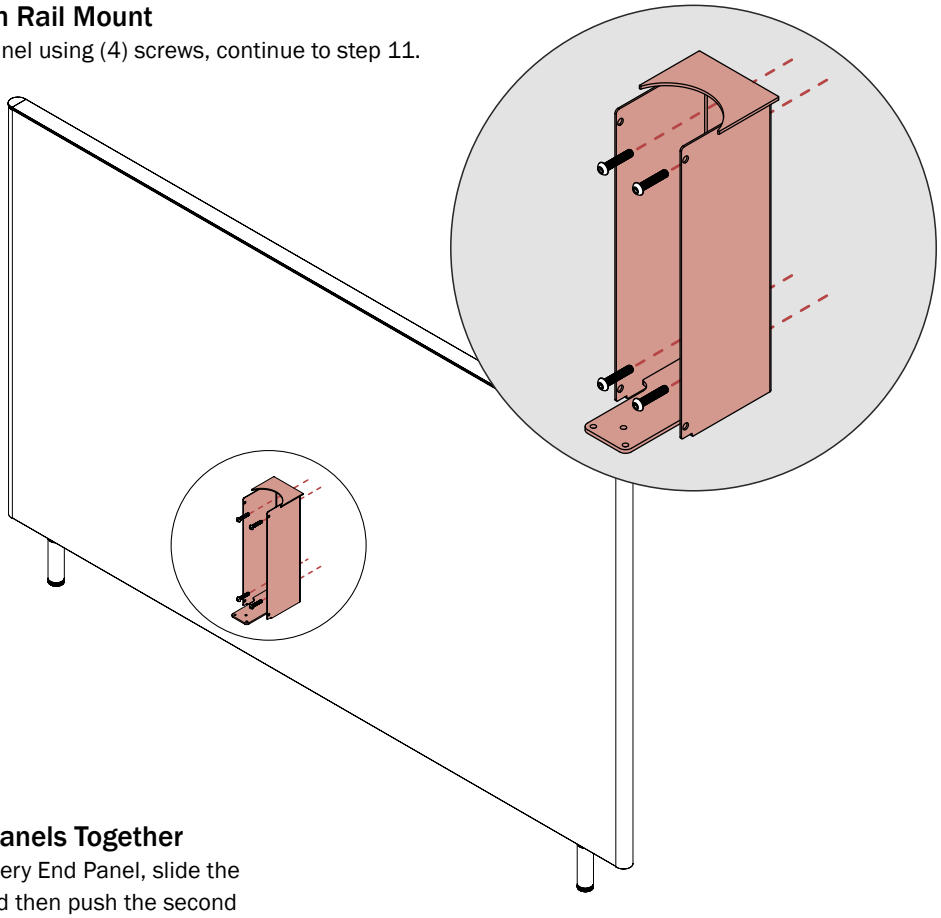
If the customer ordered Gallery End Panels, assembly will take place at this step in the process. If no Gallery End Panels were ordered, continue to Step 13.

7. One-Piece Panels: Attach Rail Mount

Screw the rail mount to the panel using (4) screws, continue to step 11.

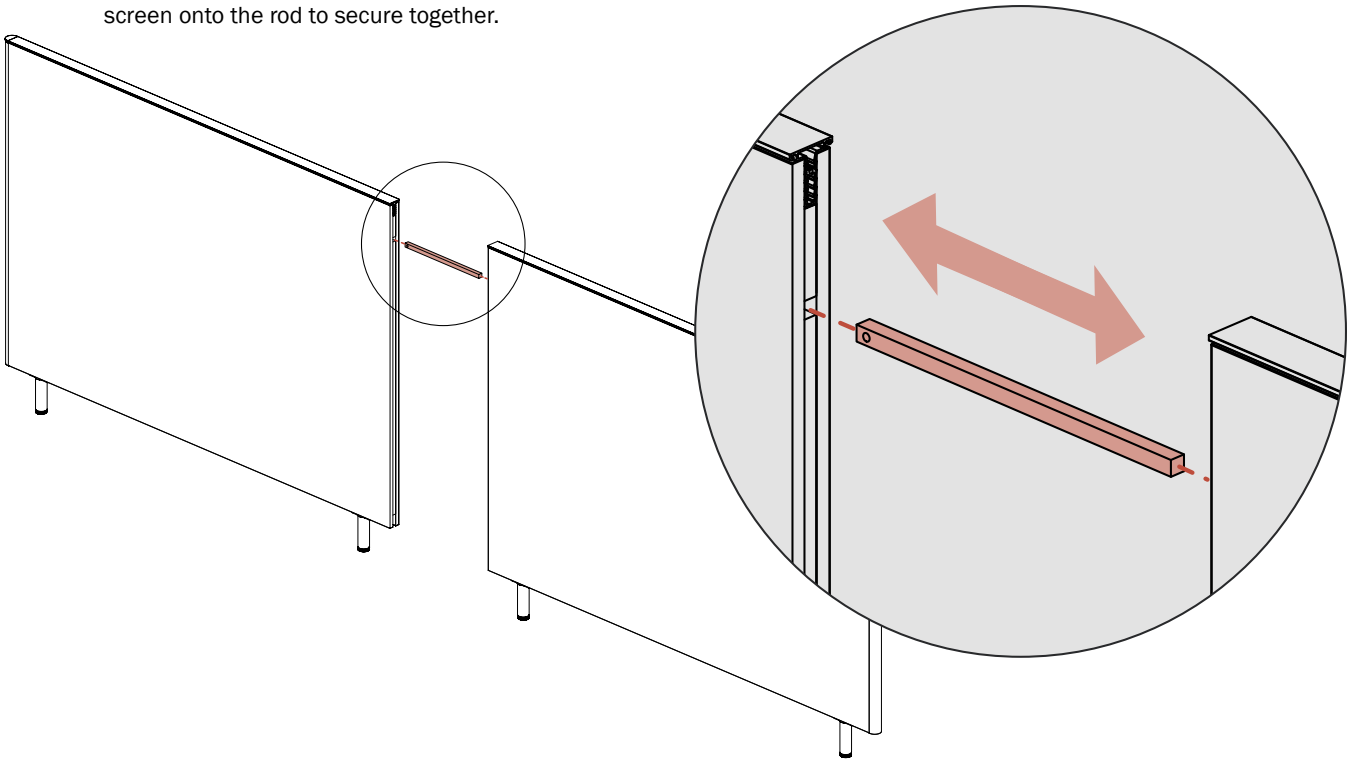


Screw M6 x 30MM
BHSCS, Black
(0002086)



8. Two-Piece Panels: Join Panels Together

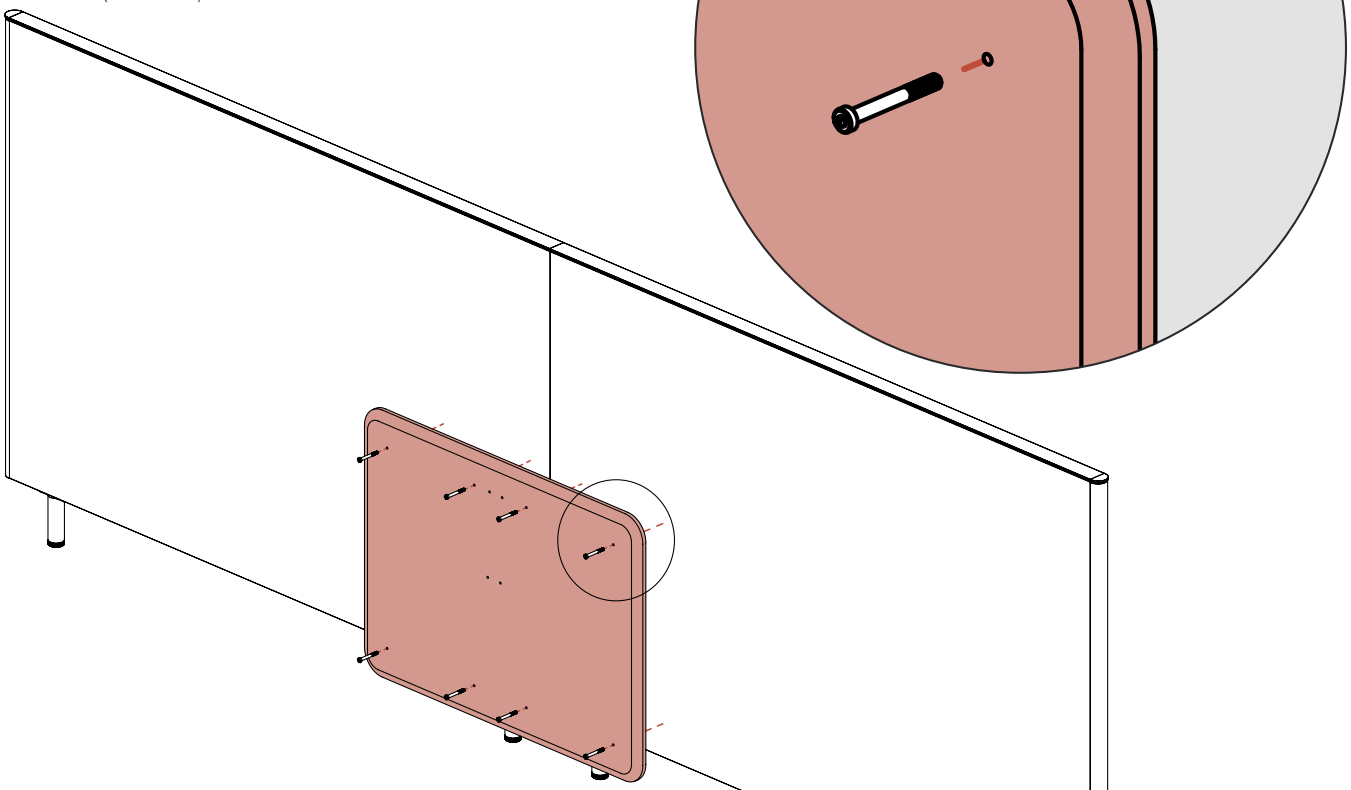
In the case of a two-piece Gallery End Panel, slide the spline rod into one screen, and then push the second screen onto the rod to secure together.



9. Two-Piece Panels: Attach Joiner Panel

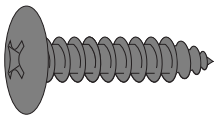
Screw the joiner panel to the two main panels using (8) screws.

Screw M6 x 50MM
Partial Socket, Black
(0003010)

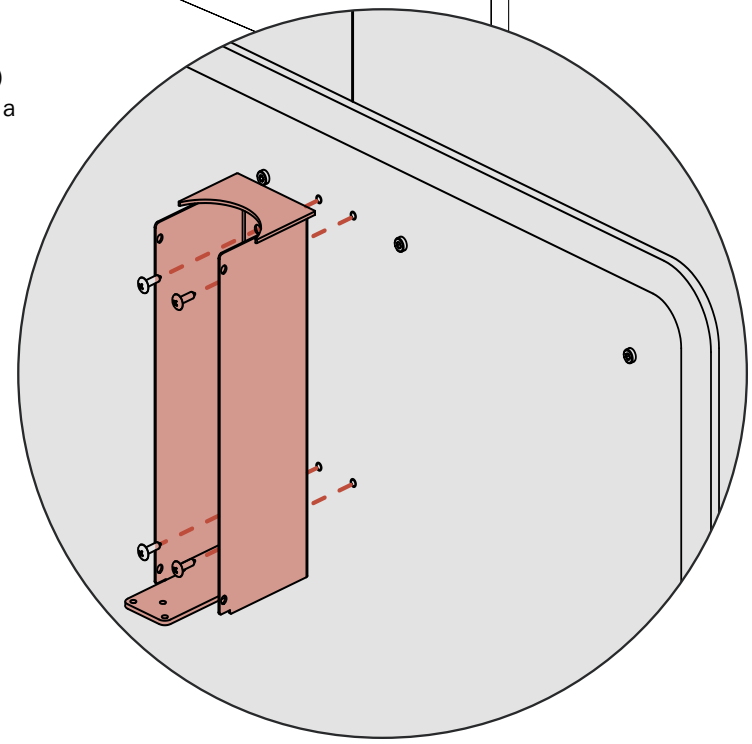


10. Two-Piece Panels: Attach Rail Mount

Screw the rail mount to the joiner panel using (4) screws, the top of the rail mount should come to a height of 27”.

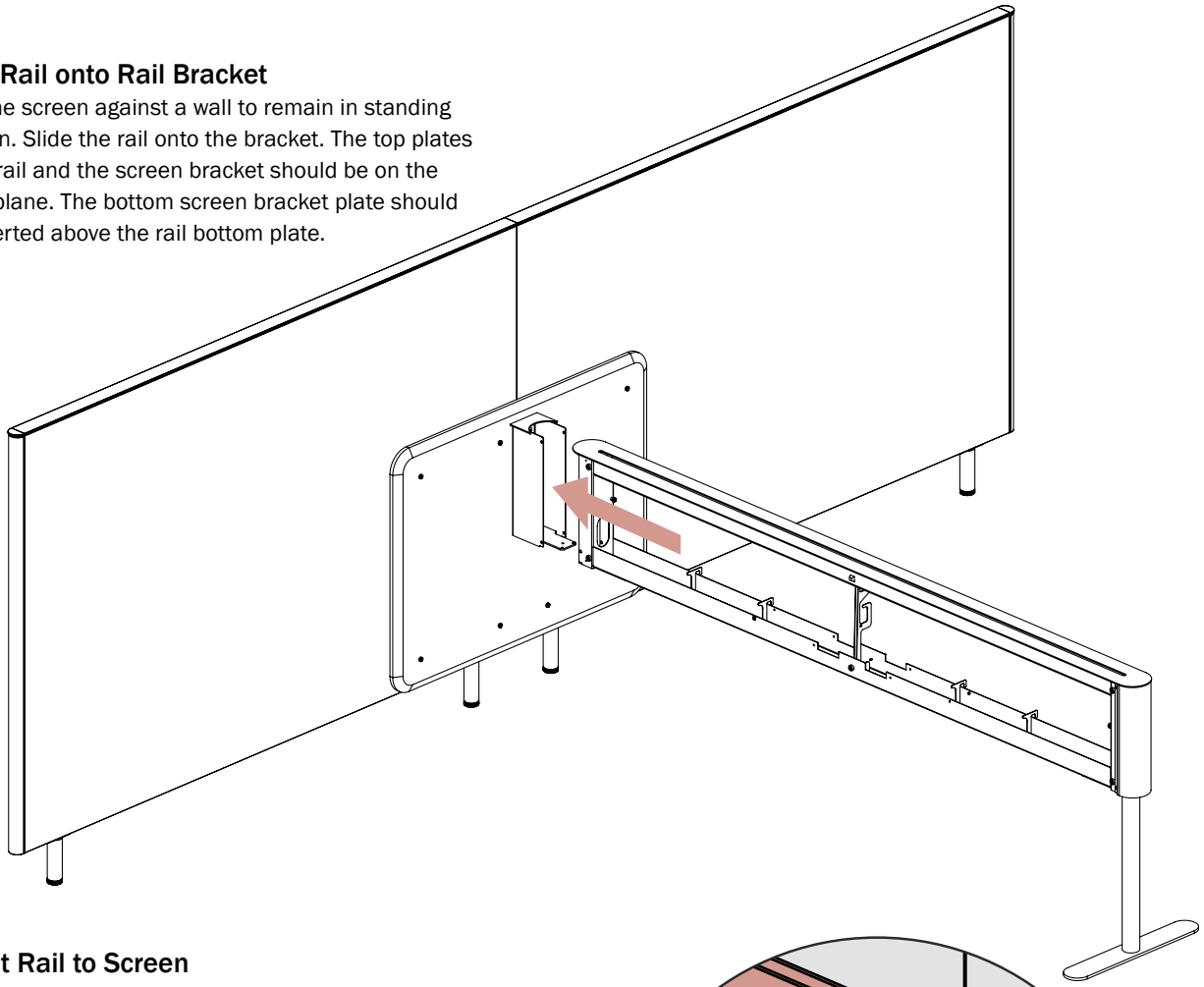


Screw SMS #10 x
3/4 Truss Head PH,
Black (122875)



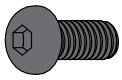
11. Slide Rail onto Rail Bracket

Prop the screen against a wall to remain in standing position. Slide the rail onto the bracket. The top plates of the rail and the screen bracket should be on the same plane. The bottom screen bracket plate should be inserted above the rail bottom plate.

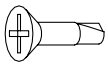


12. Mount Rail to Screen

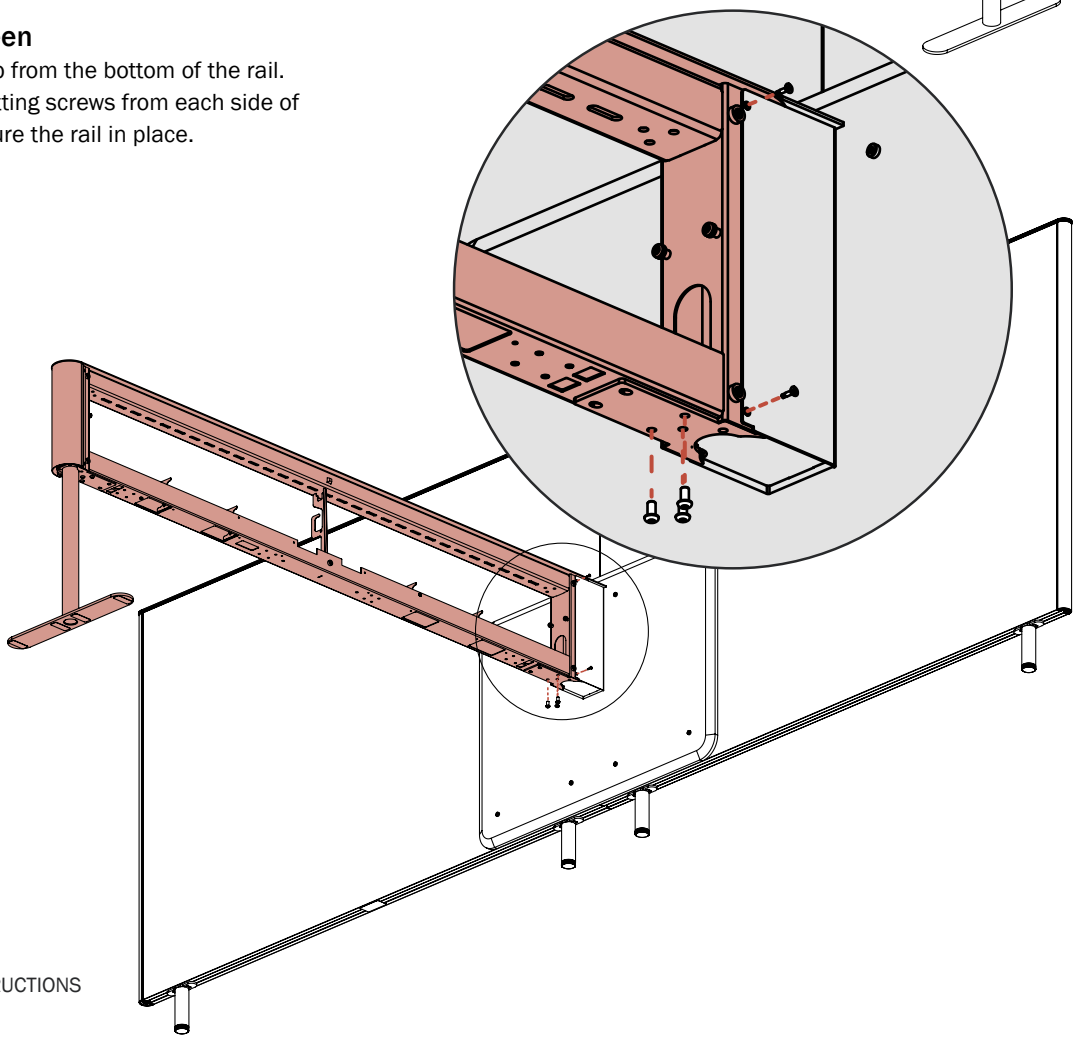
Drive (3) M6 screws up from the bottom of the rail. Screw in (2) thread cutting screws from each side of the rail bracket to secure the rail in place.



Screw M6-1.00 x 12MM BHSCS, Black (125285)

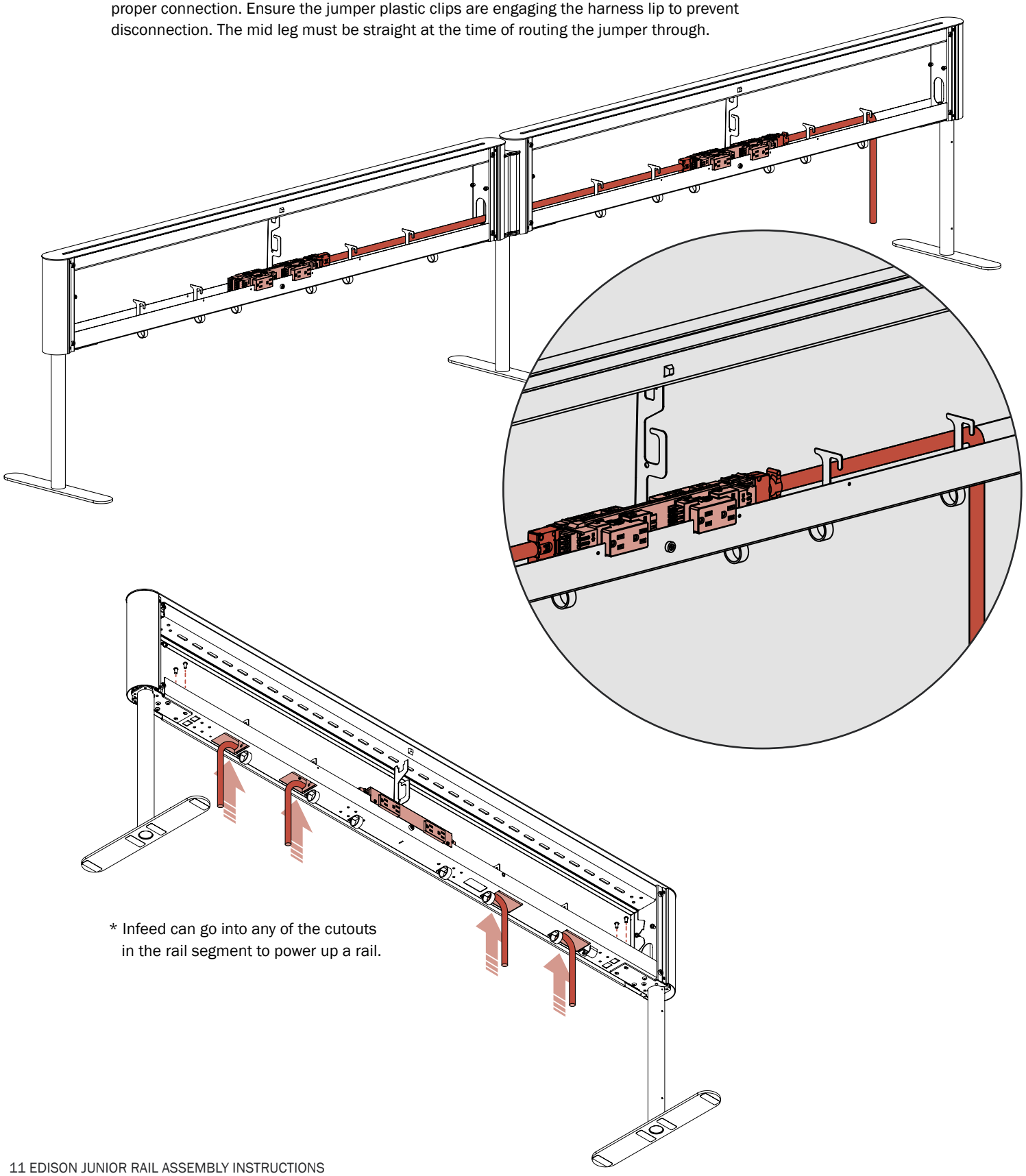


Screw Thread-Cutting M4 x 8MM FH PH, Zinc (0003016)



13. Install Jumpers and Power Harness

Align power harness outlets with cutouts in the rail segment. Feed the infeed through the cutout in the bottom of the appropriate rail segment* and connect it to the power harness. Next feed the jumper through the mid leg and connect each end to each power harness. Jumpers only connect in one orientation: arrows on jumper and harness will align to indicate proper connection. Ensure the jumper plastic clips are engaging the harness lip to prevent disconnection. The mid leg must be straight at the time of routing the jumper through.



* Infeed can go into any of the cutouts in the rail segment to power up a rail.

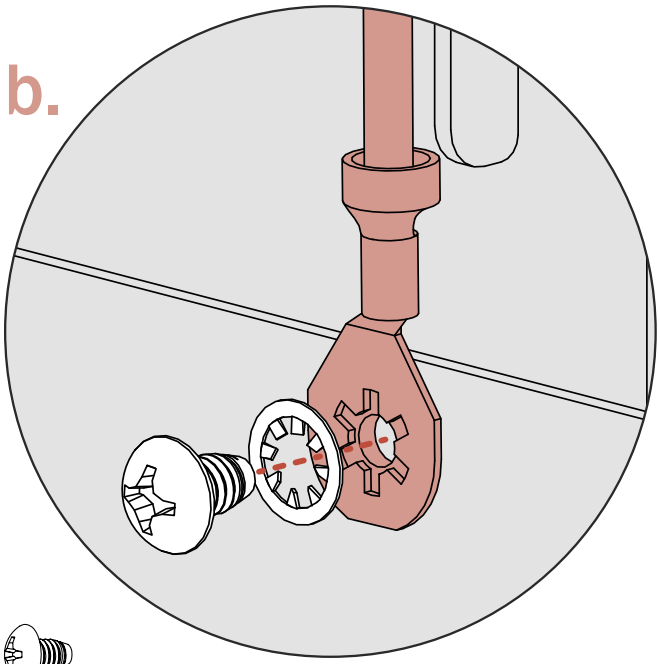
14. Secure Power Harness & Infeed

Mount the power harness housing using (4) screws (a.). Secure the ground wire to the side of the rail using the star washer and screw (b.). Next secure the infeed with the strain relief bracket where the infeed exits the rail (c.).

8-32x1/4" Screw,
Steel (121538)

a.

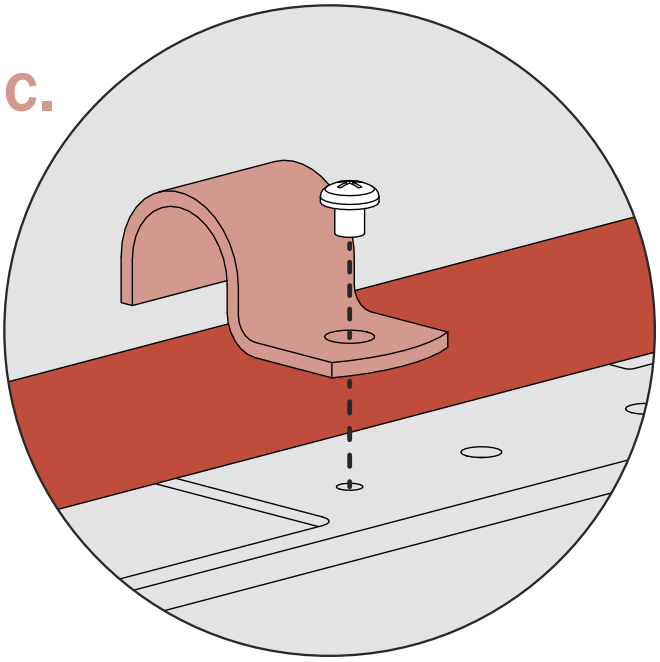
b.



8-32x1/4" Screw,
Steel (121538)

18-8 Lock Washer
#8 .34" OD
(121406)

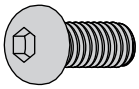
c.



Optional Cable Basket

15. Attach Rail Mounts

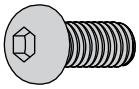
Attach mounting brackets to the rail mount plates on the the bottom rail rung with (2) button head screws per bracket (4 total).



M6 - 1.00 X 12MM
BHSCS (125290)

16. Secure Cable Basket

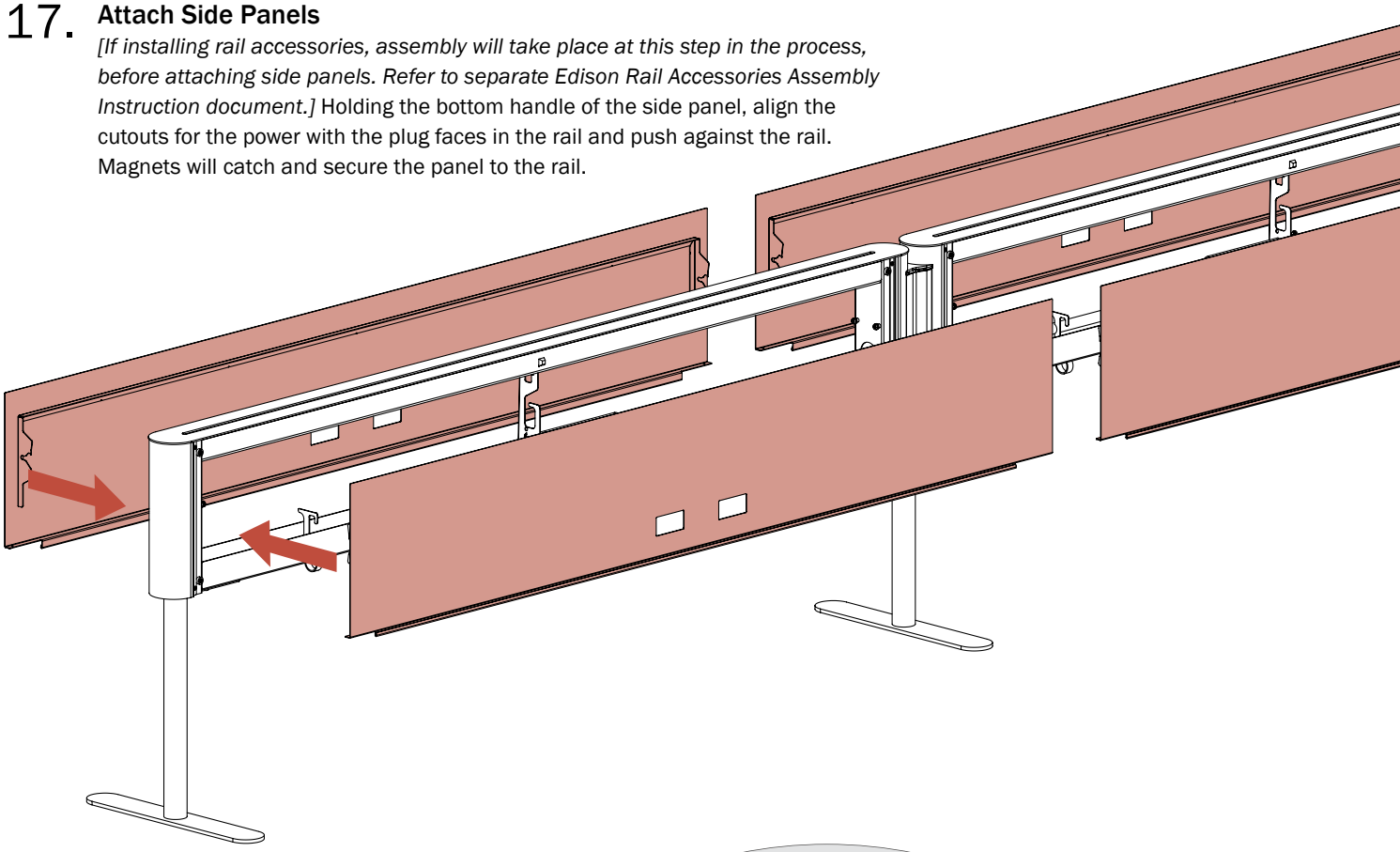
Position the Cable Basket onto the mounting brackets and attach with (2) button head screws per bracket (4 total).



M6 - 1.00 X 12MM
BHSCS (125290)

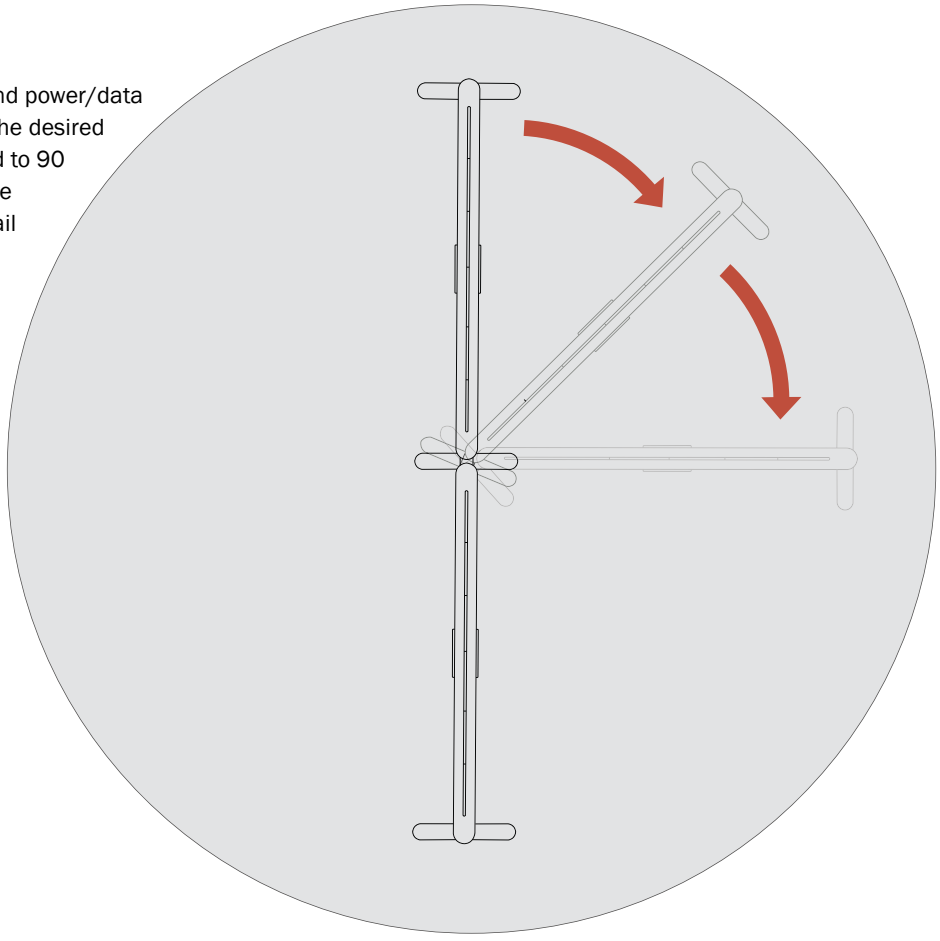
17. Attach Side Panels

[If installing rail accessories, assembly will take place at this step in the process, before attaching side panels. Refer to separate Edison Rail Accessories Assembly Instruction document.] Holding the bottom handle of the side panel, align the cutouts for the power with the plug faces in the rail and push against the rail. Magnets will catch and secure the panel to the rail.



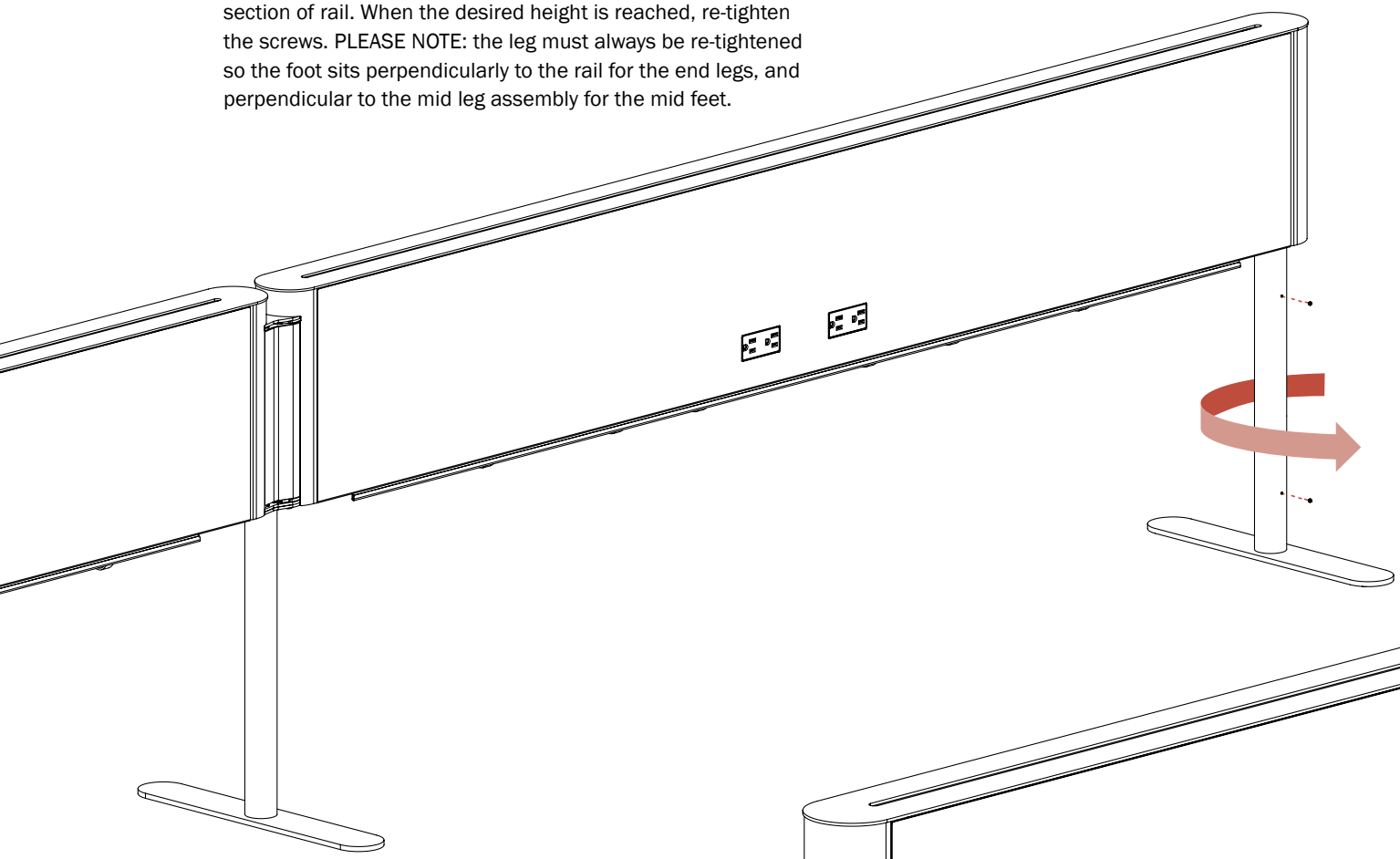
18. Bending the Rail

Once the run is assembled, and power/data is installed, bend the rails to the desired angles. The mid legs can bend to 90 degrees in either direction. The mid leg feet will pivot as the rail segments bend and should always remain perpendicular to the mid leg assembly.



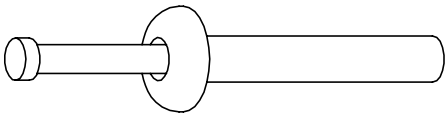
19. Leveling the Rail

Loosen the two set screws on each leg, and the foot will spin freely and telescope in and out, raising and lowering that section of rail. When the desired height is reached, re-tighten the screws. PLEASE NOTE: the leg must always be re-tightened so the foot sits perpendicularly to the rail for the end legs, and perpendicular to the mid leg assembly for the mid feet.

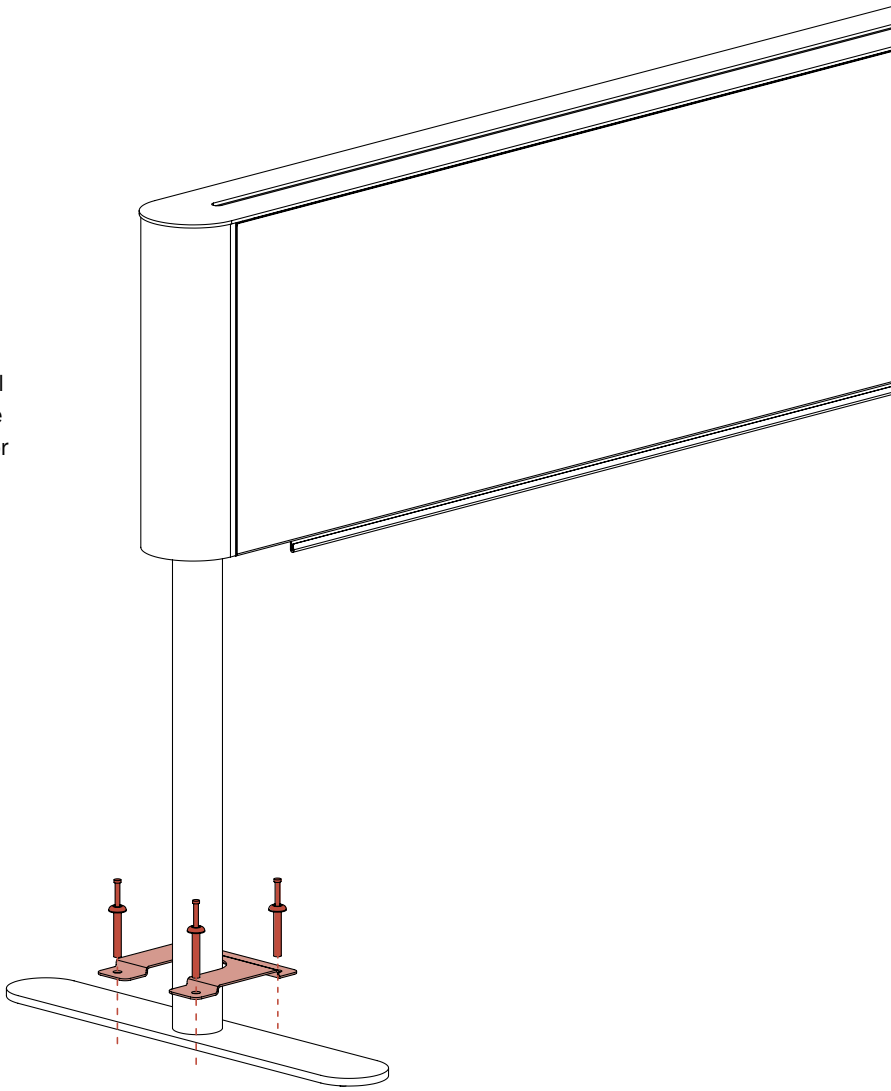


20. Floor Mount (for single rail segments)

In the case of a stand alone rail segment, the rail assembly must be mounted to the floor using the supplied floor anchor bracket and (4) floor anchor screws. Repeat with other End-Leg.



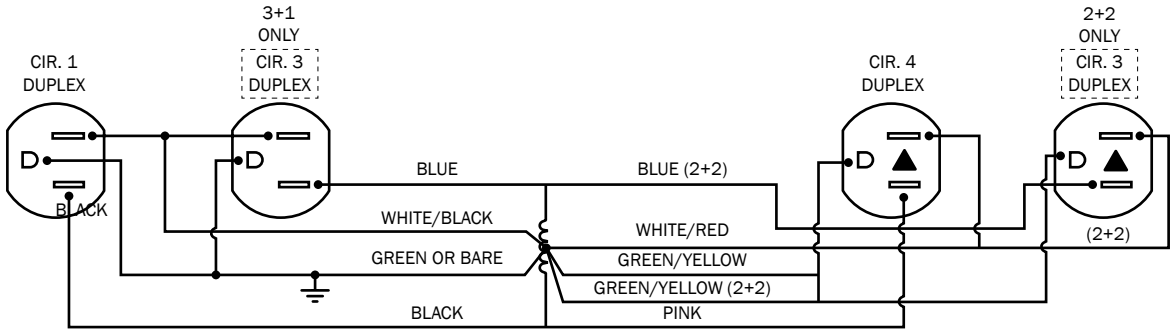
Floor Anchor Screw
(48013)



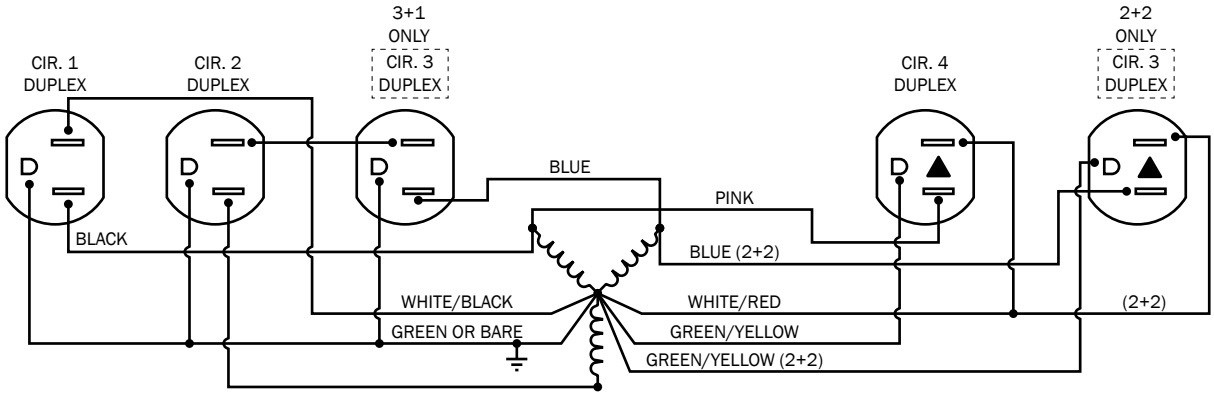
Wiring Schematic

120 / 240V 1 ph
For 2+2 Use Circuits 1, 3▲, 4▲ ONLY
For 3+1 Use Circuits 1, 3, 4▲ ONLY

circuit 2 can not be utilized with 120/240V



120 / 208V 3 ph
For 2+2 Use Circuits 1, 2, 3▲, 4▲ ONLY
For 3+1 Use Circuits 1, 2, 3, 4▲ ONLY



WARNING: Risk of fire or electric shock. This office furnishing system may be connected to more than one source of supply. All sources must be disconnected prior to any servicing. No single circuit may be powered by more than one source.