

HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

Overview

NOTES

- All power connections should be installed according to local/national codes by a Certified Electrician.
- This installation requires **proper support** as each luminaire is being installed.
- **DO NOT attempt to join luminaires together on the floor.** Damage may result when lifted.



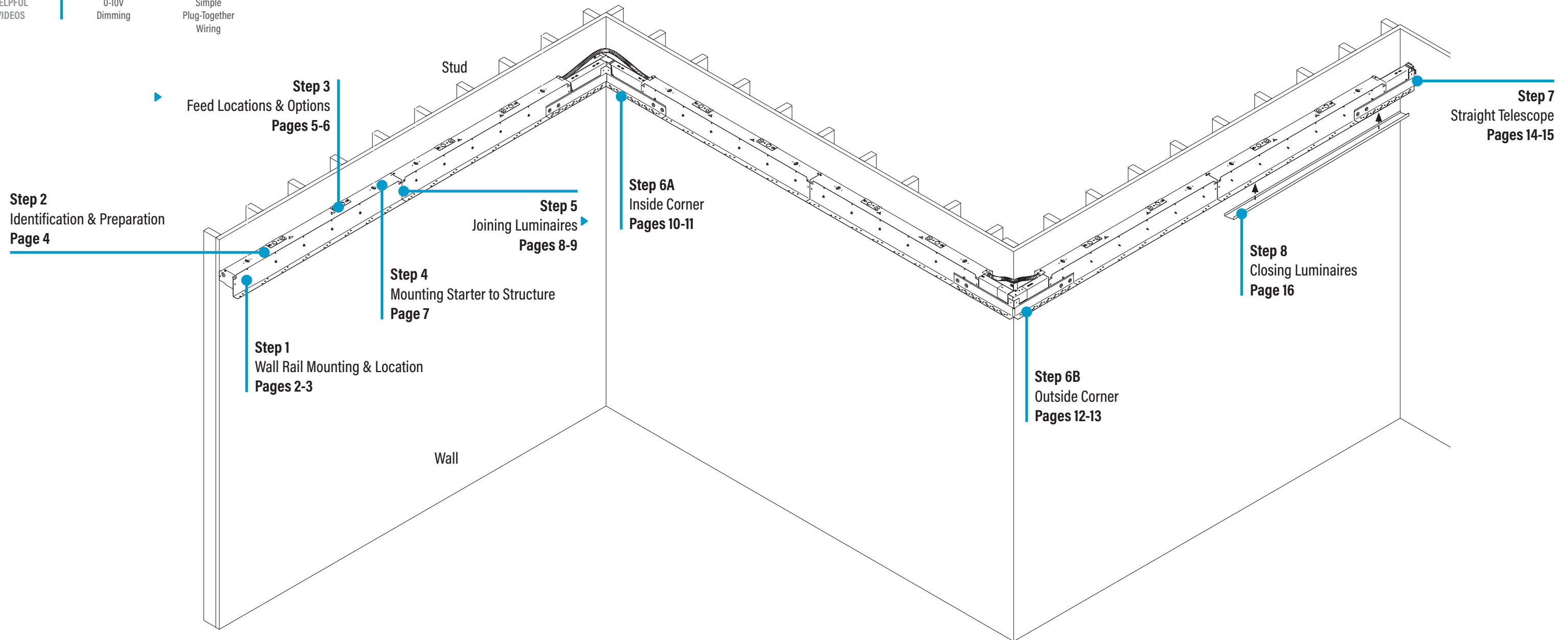
HELPFUL
VIDEOS



0-10V
Dimming



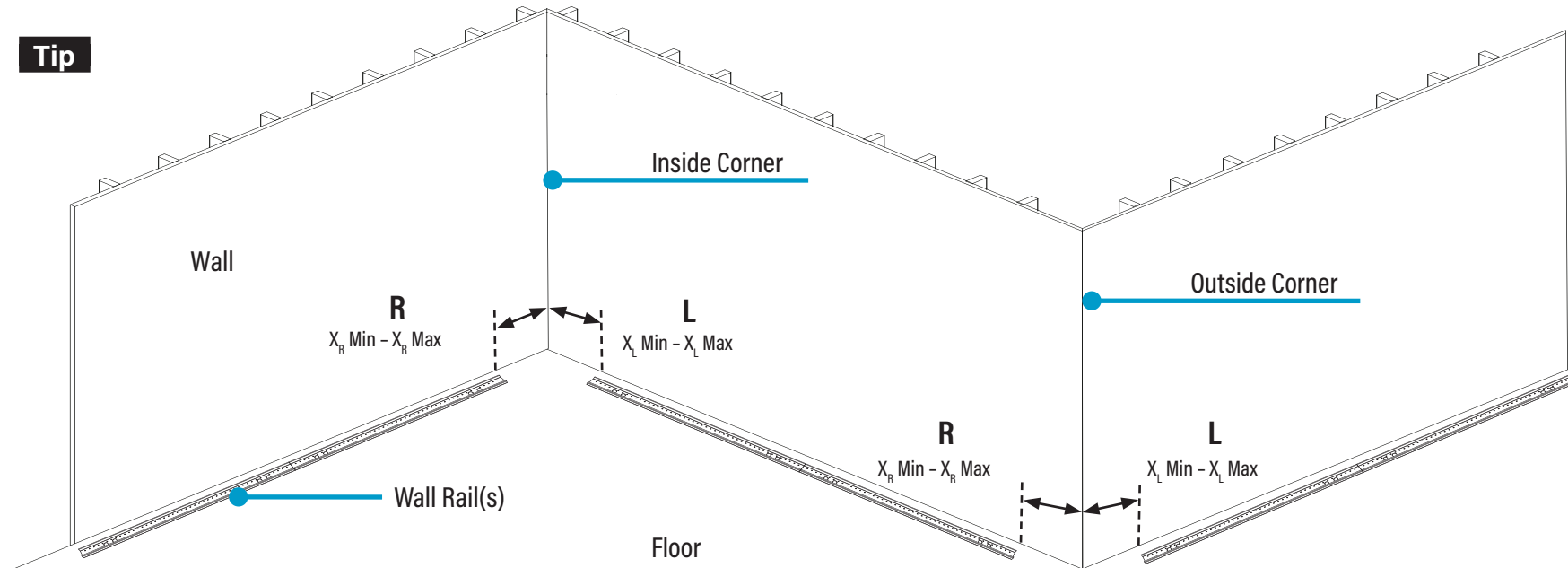
Simple
Plug-Together
Wiring



HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

Step 1 - Wall Rail Mounting Location

Tip



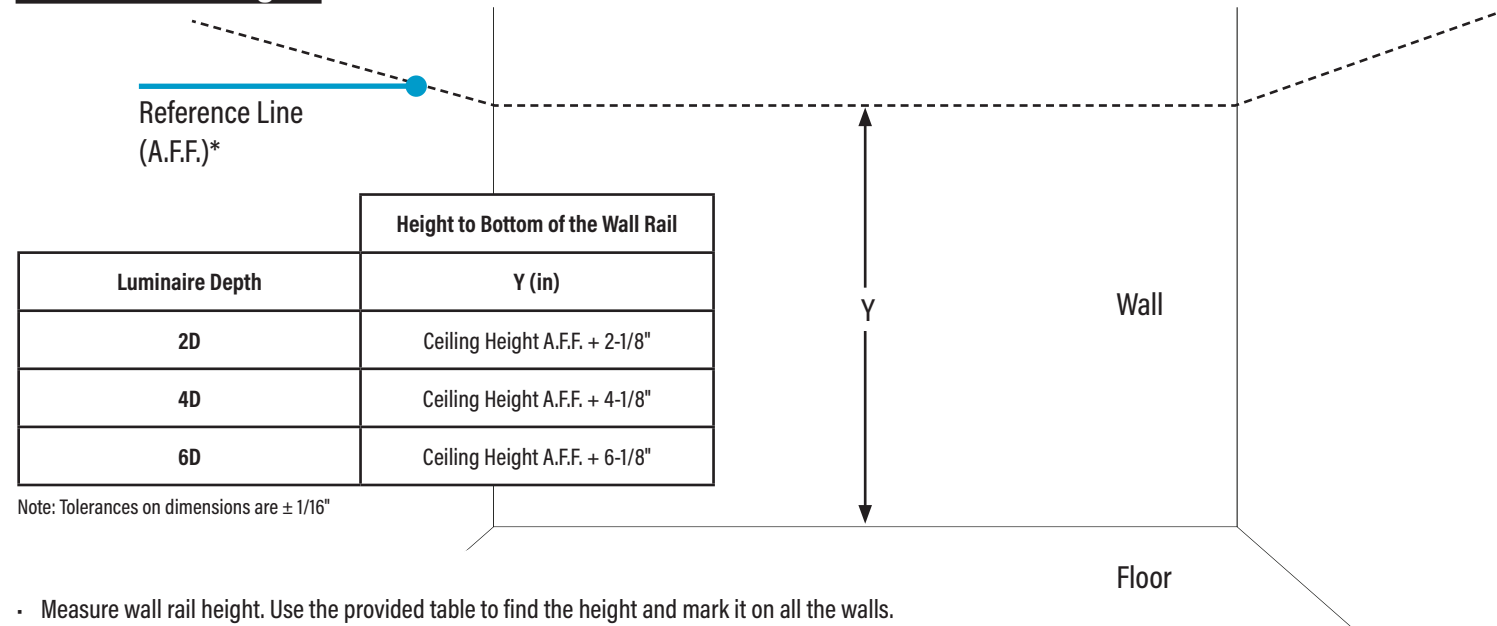
Distance between wall rail and nearest perpendicular wall.

Luminaire Width Configuration	Inside Corner: X_R Min - X_R Max = End of wall rail to wall	
	X_R Min	X_R Max
4"W	8"	14"
6"W	10"	16"

Luminaire Width Configuration	Outside Corner: X_L Min - X_L Max = End of wall rail to wall	
	X_L Min	X_L Max
4"W	1"	8"
6"W	1"	7"

- Lay out all wall rails on the floor in front of the wall they will be mounted on.
- Place them end-to-end, using the table to check the amount of gap you need between the end rails and their closest perpendicular wall, equal on each side.

A. Measure Height

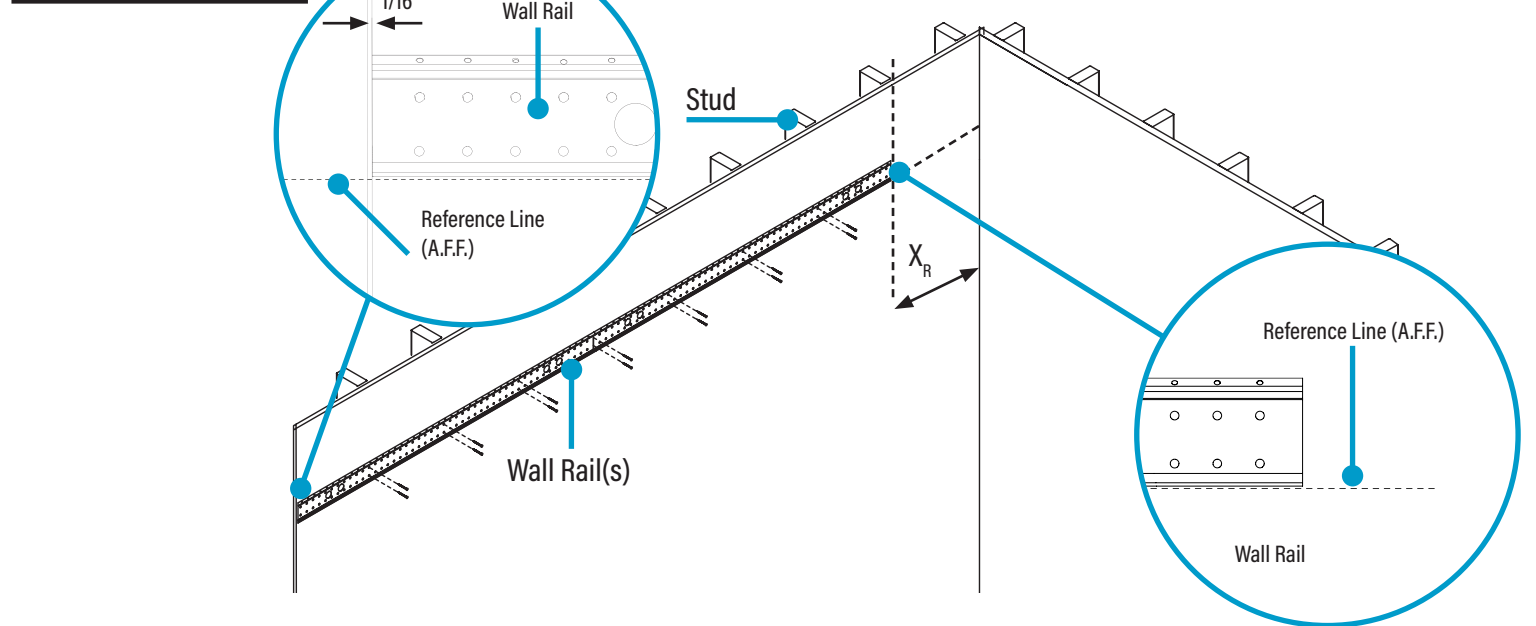


Note: Tolerances on dimensions are $\pm 1/16"$

- Measure wall rail height. Use the provided table to find the height and mark it on all the walls.

*A.F.F. - Above Finished Floor

B. Install Wall Rail



- Install the wall rail(s), using appropriate #10 screws to wall studs.
- **NOTE:** For X_R reference use chart above.

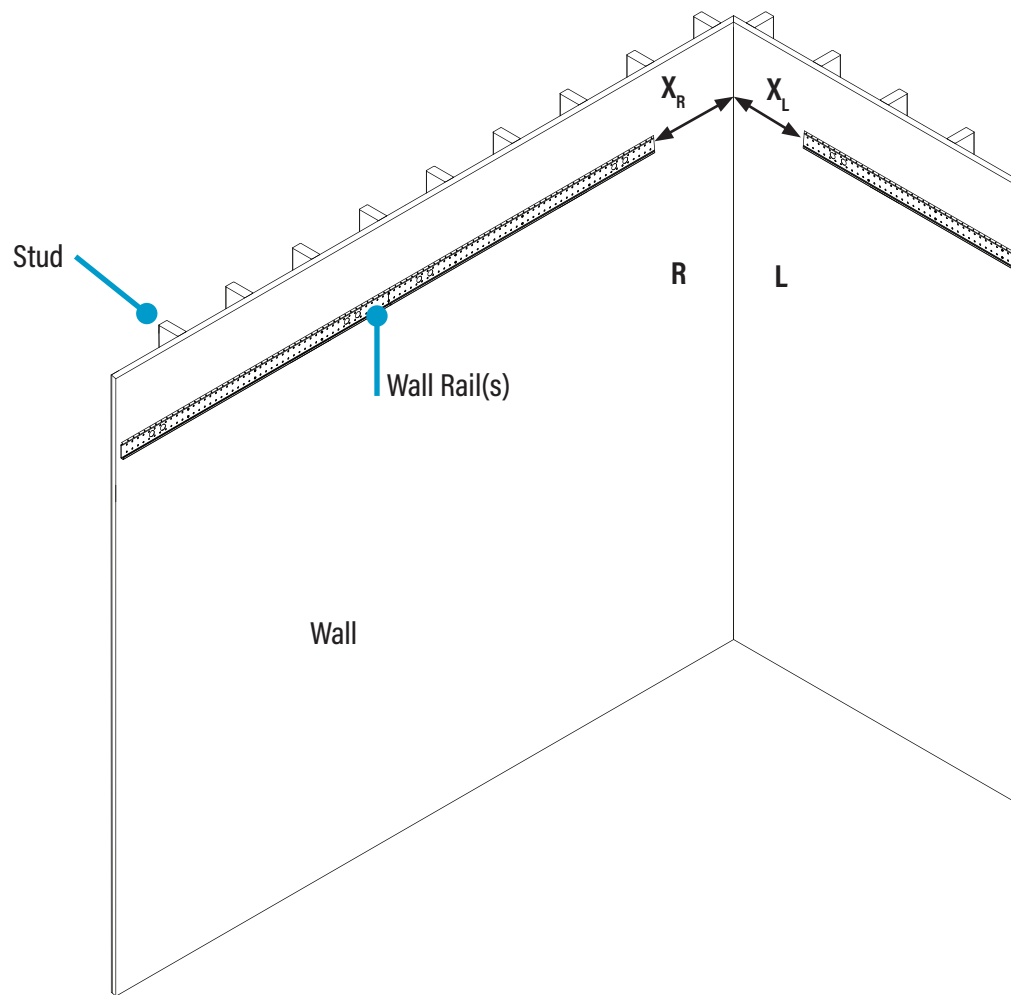


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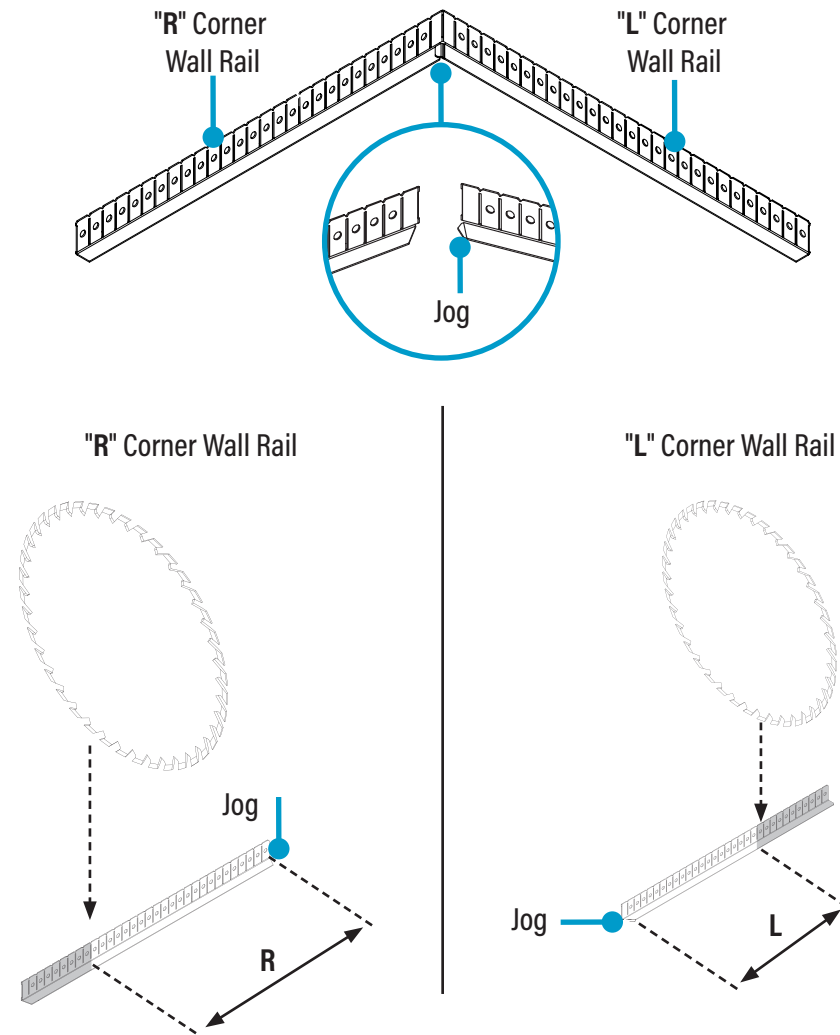
Step 1 - Wall Rail Mounting Location

C. Mounting



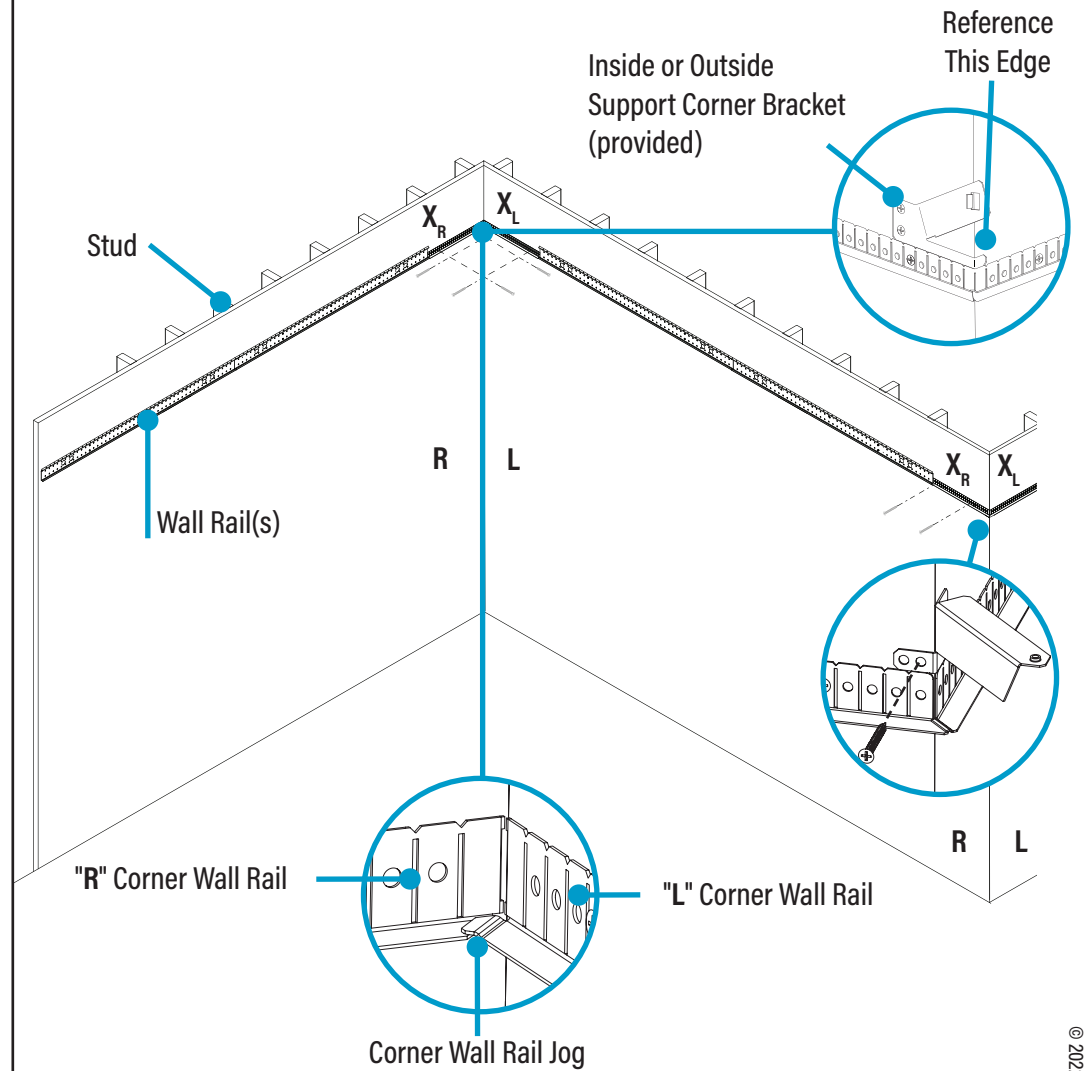
• Measure gaps X_L and X_R as indicated above.

D. Corner Wall Rail

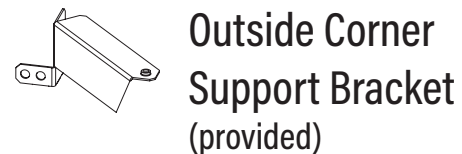


- Separate the corner wall rail in half.
- Using a chop saw (carbide tipped blade recommended) cut the L corner wall rail to length L, referencing the mitered end with a jog.
- Then cut the R corner wall rail to length R, referencing the mitered end.
- **CRITICAL: Repeat Steps 1D and 1E for all walls.**

E. Install Corner Wall Rails



- Install the corner wall rails using appropriate #10 screws.
- Where the corner wall rails meet at a corner, make sure the L corner wall rail jog feature overlaps the R corner wall rail.
- Install the wall support corner bracket by sitting it on top of the corner wall rails and using appropriate #10 screws to attach it to the corner.
- **CRITICAL: Repeat for all corners.**



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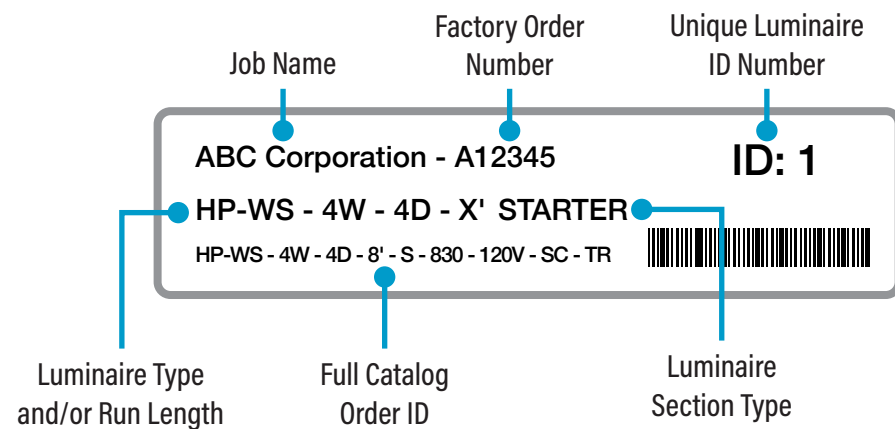
Step 2 - Identification & Preparation

A. Identify Luminaires

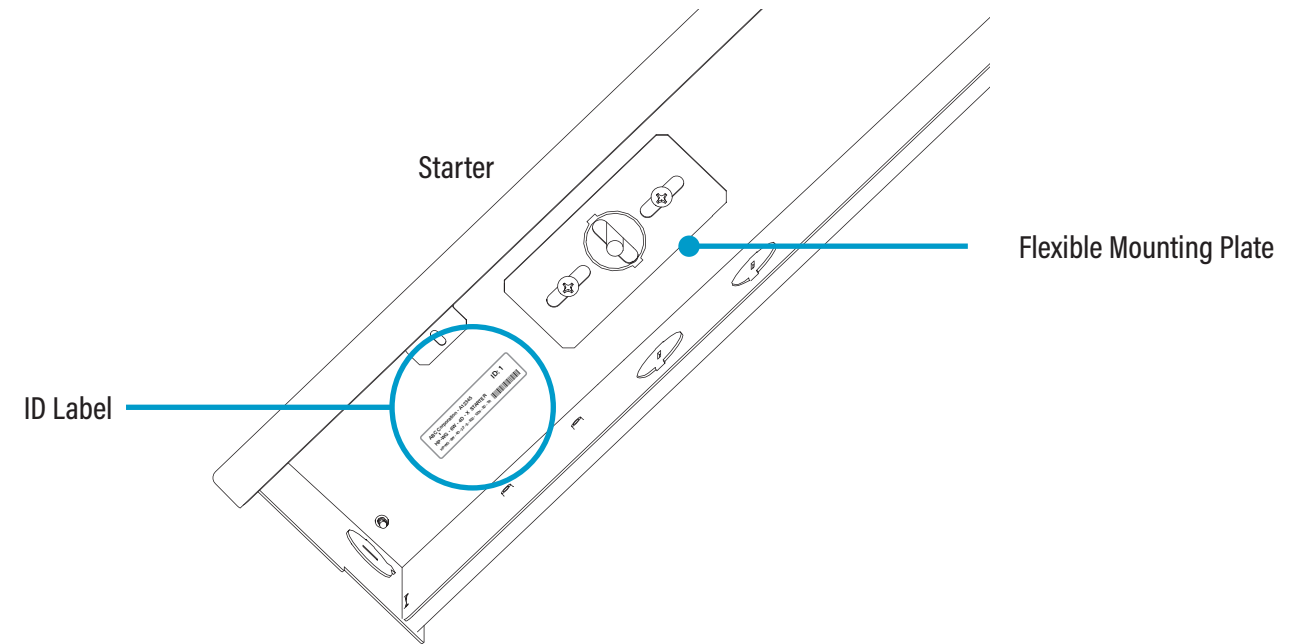


CAUTION

Arrange luminaires in order according to ID# at their install locations.



Bottom-Up View



- Identify all luminaires by their ID label that can be found on the box and inside the luminaire.
- NOTE:** Exact location of labels in these areas may vary.
- Remove all luminaires from their box.
- Refer to Record Drawings that can be found in the hardware kit.

Kitted Hardware

- Finelite has provided items listed here, with their Finelite part numbers. These items can be found in separate boxes shipped with the luminaire.
- Account for all parts and set aside until they are needed.
- All other hardware needed for this installation will be by others.



#8-18 x 1/4" Screw
 Part# 69026
 Feed Locations & Options
 p. 5, Step 3
 Mounting Starter to Structure
 p. 7-8, Step 4
 Joining Luminaires
 p. 9, Step 5
 Inside Corner
 p. 10, Step 6A
 Outside Corner
 p. 12-13, Step 6B



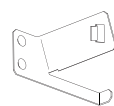
Nut
 Part# 62071
 Inside Corner
 p. 11, Step 6A
 Outside Corner
 p. 15, Step 6B



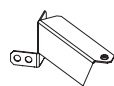
#10-32 Screw
 Part# 94144
 Feed Locations & Options
 p. 5, Step 3



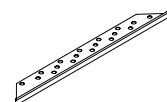
#4-24 x 1/4" Self-Drilling Screws
 Part# 94416
 Mounting Starter to Structure
 p. 7, Step 4
 Closing Luminaires
 p. 16, Step 8



Wall Support Corner Bracket
 Part# 11905 - 4" Width
 Part# 11906 - 6" Width
 Wall Rail Mounting Location
 p. 3, Step 1



Outside Corner Support Bracket
 Part# 11919 - 4" Width
 Part# 11920 - 6" Width
 Wall Rail Mounting Location
 p. 3, Step 1



Raised Bead
 Part# 11635
 Straight Telescope
 p. 15, Step 7



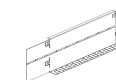
Flex Conduit
 Part# 96627
 Inside Corner
 p. 10, Step 6A



Mud Guard
 Part# 64542
 Closing Luminaires
 p. 16, Step 8



Telescope Spackle Flange Corner Bracket
 Part# 11907 - 2" Width
 Part# 11908 - 4" Width
 Part# 11909 - 6" Width
 Inside Corner
 p. 11, Step 6A
 Outside Corner
 p. 13, Step 6B

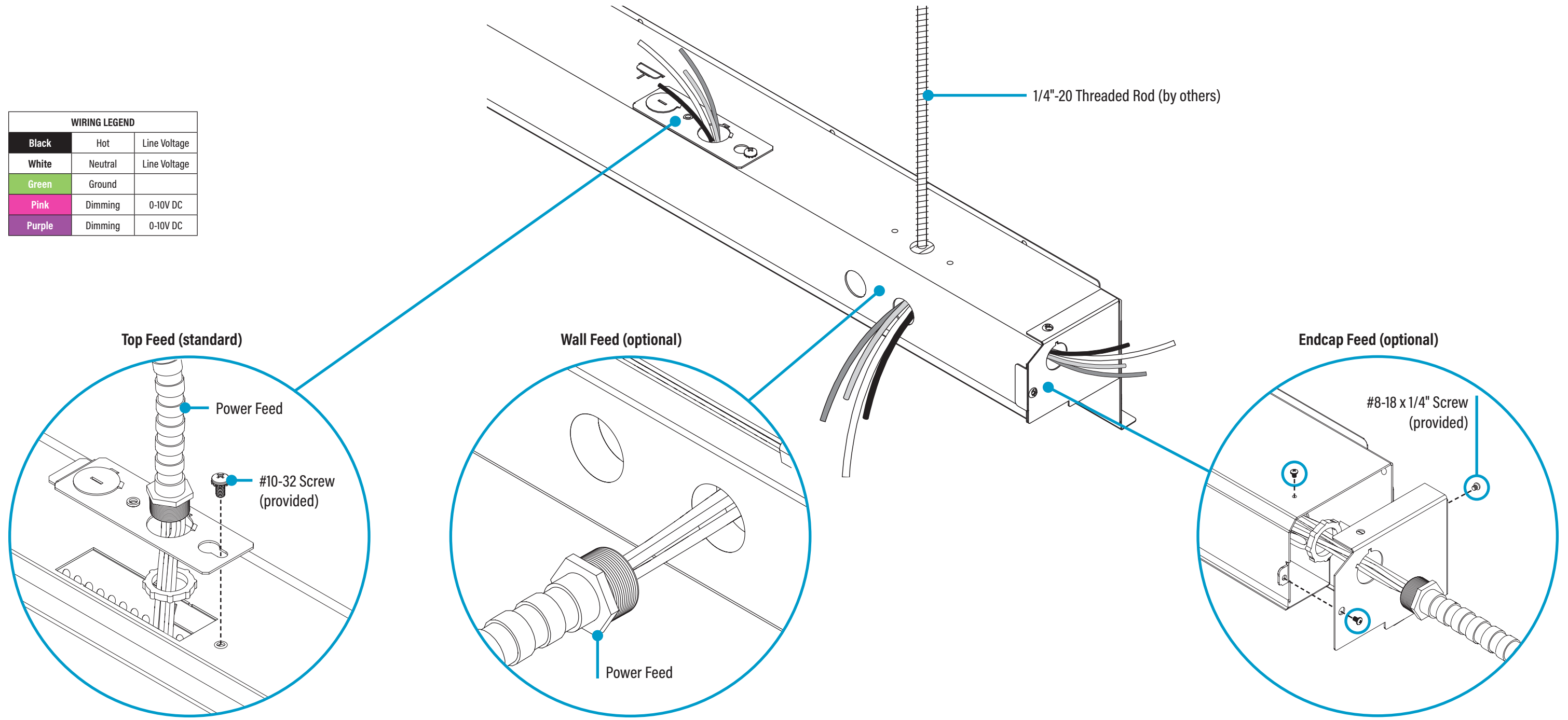



Telescope Spackle Flange
 Part# 11716 - 2" Width
 Part# 11717 - 4" Width
 Part# 11718 - 6" Width
 Inside Corner
 p. 11, Step 6A
 Outside Corner
 p. 13, Step 6B


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Step 3 - Feed Locations & Options

WIRING LEGEND		
Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	
Pink	Dimming	0-10V DC
Purple	Dimming	0-10V DC



 #8-18 x 1/4" Screw (provided)

 #10-32 Screw (provided)

CONTINUED



0-10V Dimming

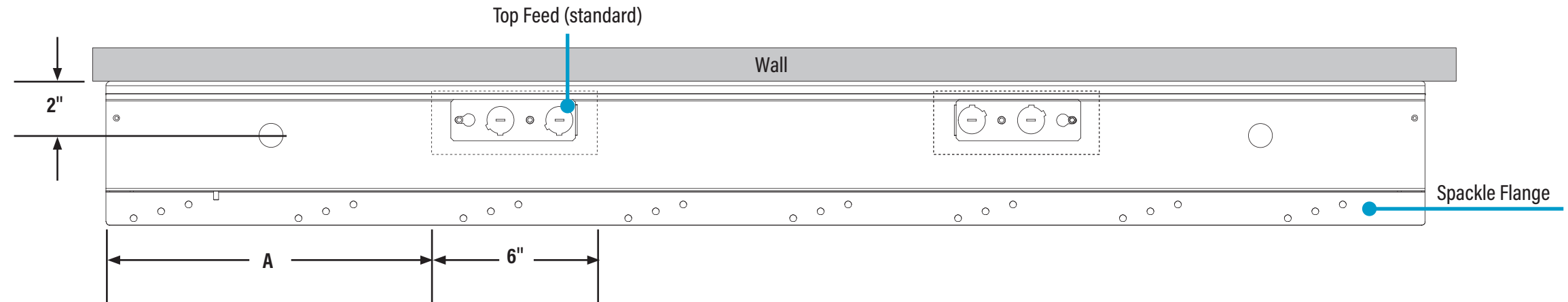
5 of 19

HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

Step 3 - Feed Locations & Options

Top Feed Top View

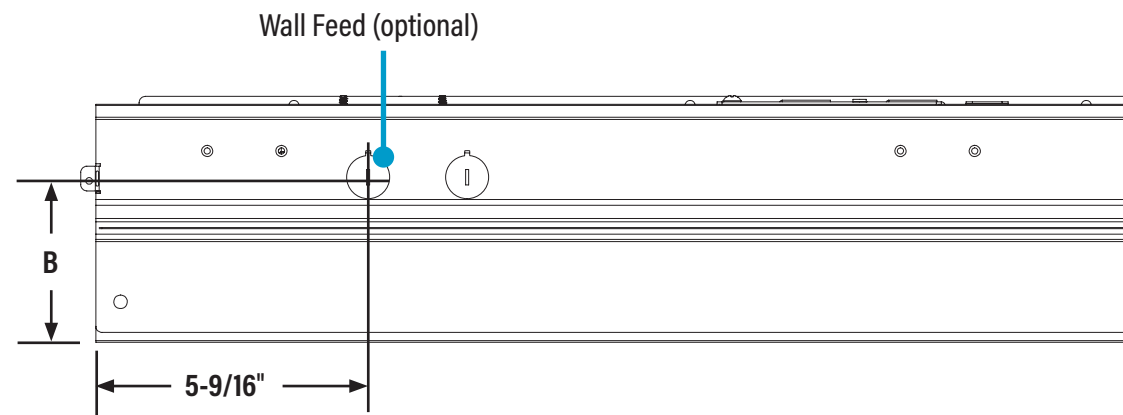
Luminaire Length	A (in)
2'	5
3'	5
4'	12
8'	12



Top Feed Location (standard)

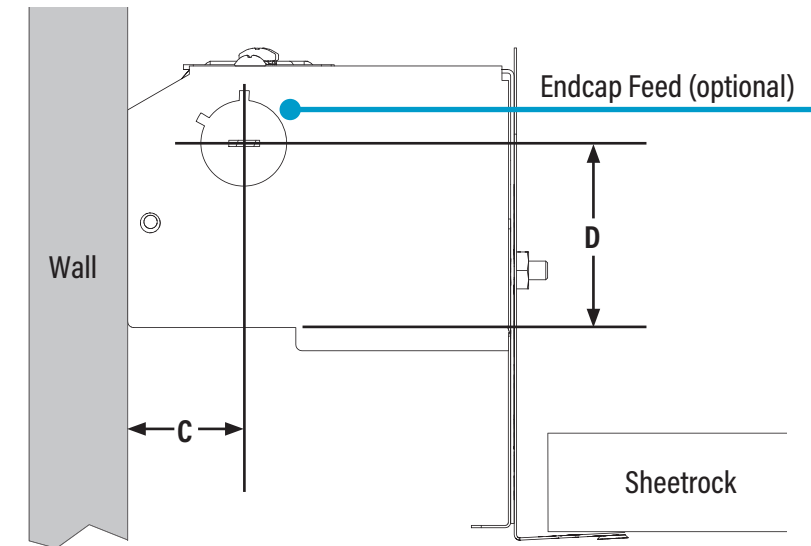
- Use chart above to find measurement of **A** for feed location.
- **NOTE:** For tailored length luminaire power feed locations, contact factory.

Wall Feed Back View



Luminaire Depth	B (in)
2"	3-5/16
4"	5-5/16
6"	7-5/16

Endcap Feed Side View

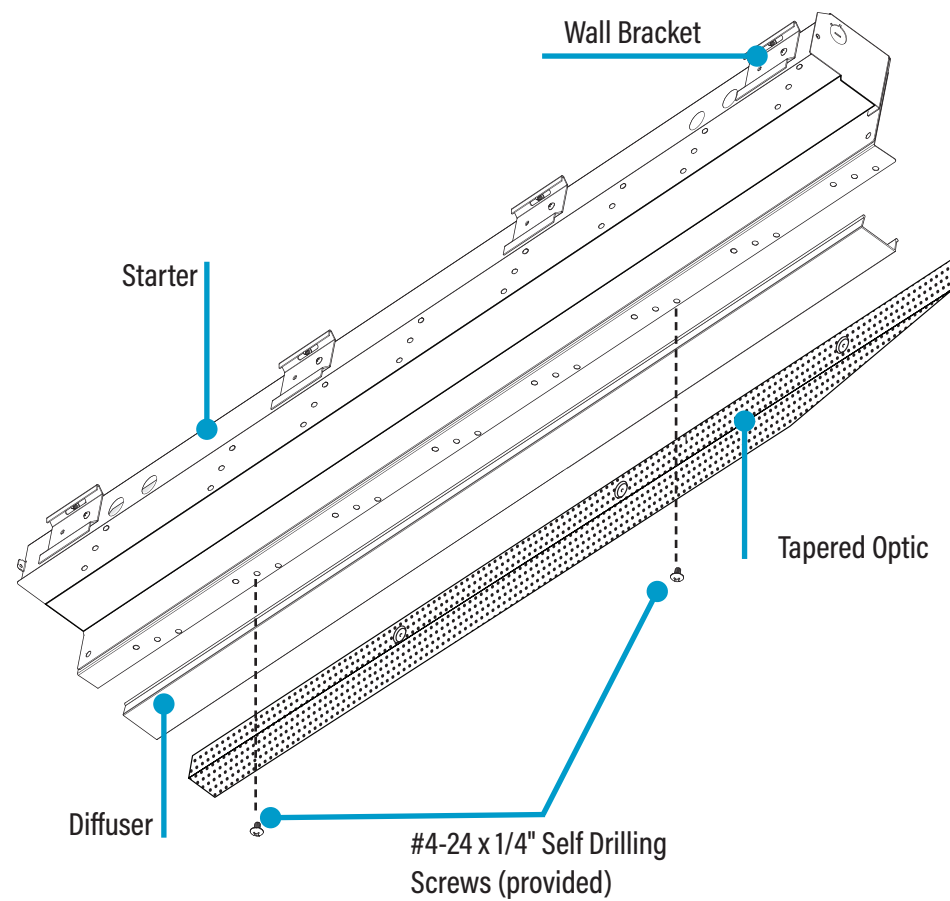


Luminaire Width	C (in)	D (in)
4"	1-3/16	1-7/8
6"	2	1-7/8

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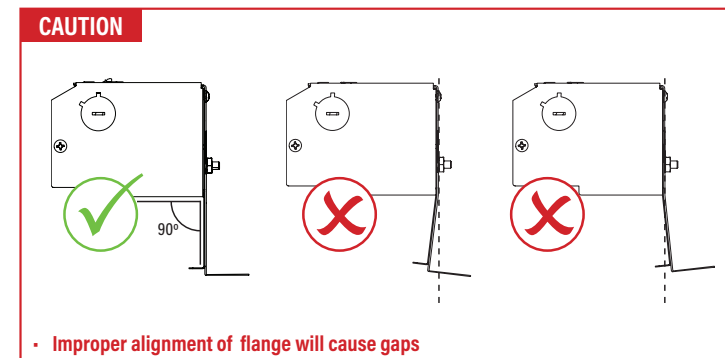
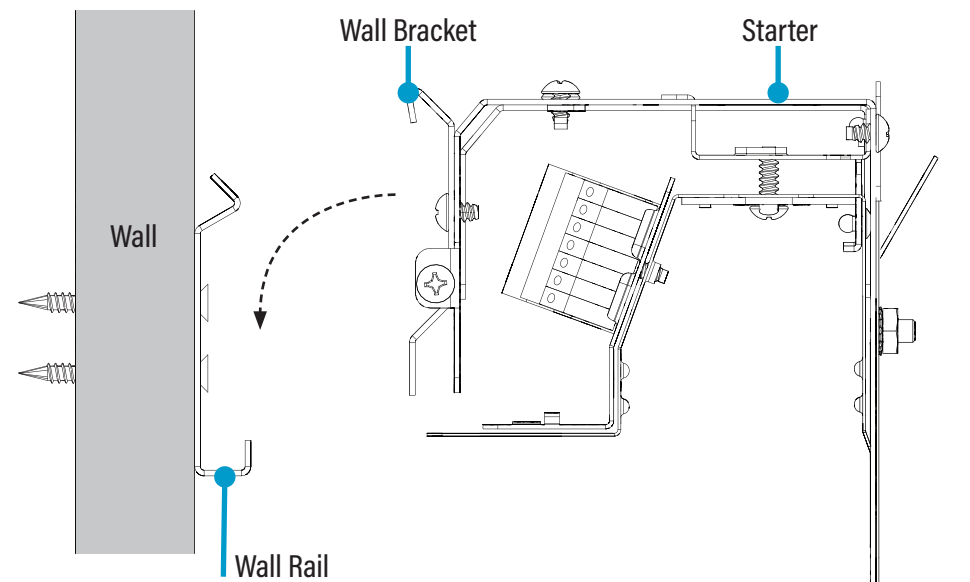
Step 4 - Mounting Starter to Structure

A. Remove Tapered Optic & Diffuser Bottom-Up View



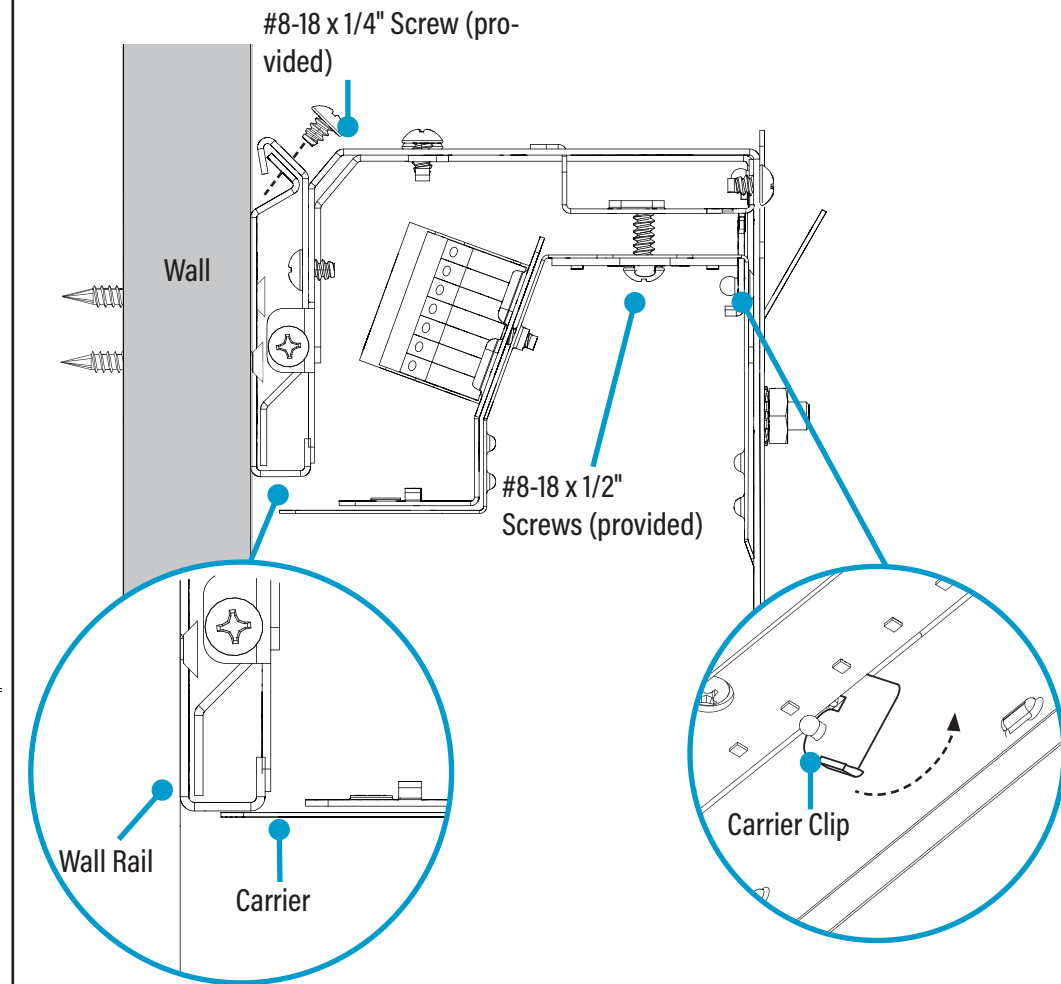
- Make electrical connections according to feed location and options.
- If tapered optic is included, remove the two #4-24 x 1/4" self drilling screws from starter luminaire.
- Then remove the diffuser from the starter luminaire and set it aside to keep it from getting dirty or damaged.
- If part of a longer run, diffuser will be reinstalled back into original luminaire.

B. Mounting on the Wall Rail Side View





- Mount the starter luminaire to the wall rail as shown, aligning the end of the starter luminaire body to the start of the main wall rail.
- Make sure the wall brackets grab the top of the wall rail.


C. Mounting on the Wall Rail Side View



- On the starter luminaire, tighten the #8-18 x 1/2" screws that go through the carrier assembly until the carrier meets the bottom surface of the wall rail.
- Secure the starter luminaire to the wall rail with the #8-18 x 1/4" screws going through the wall brackets.
- Secure all carrier clips by rotating them 90° degrees counter-clockwise.

 #4-24 x 1/4" Self Drilling Screws (provided)

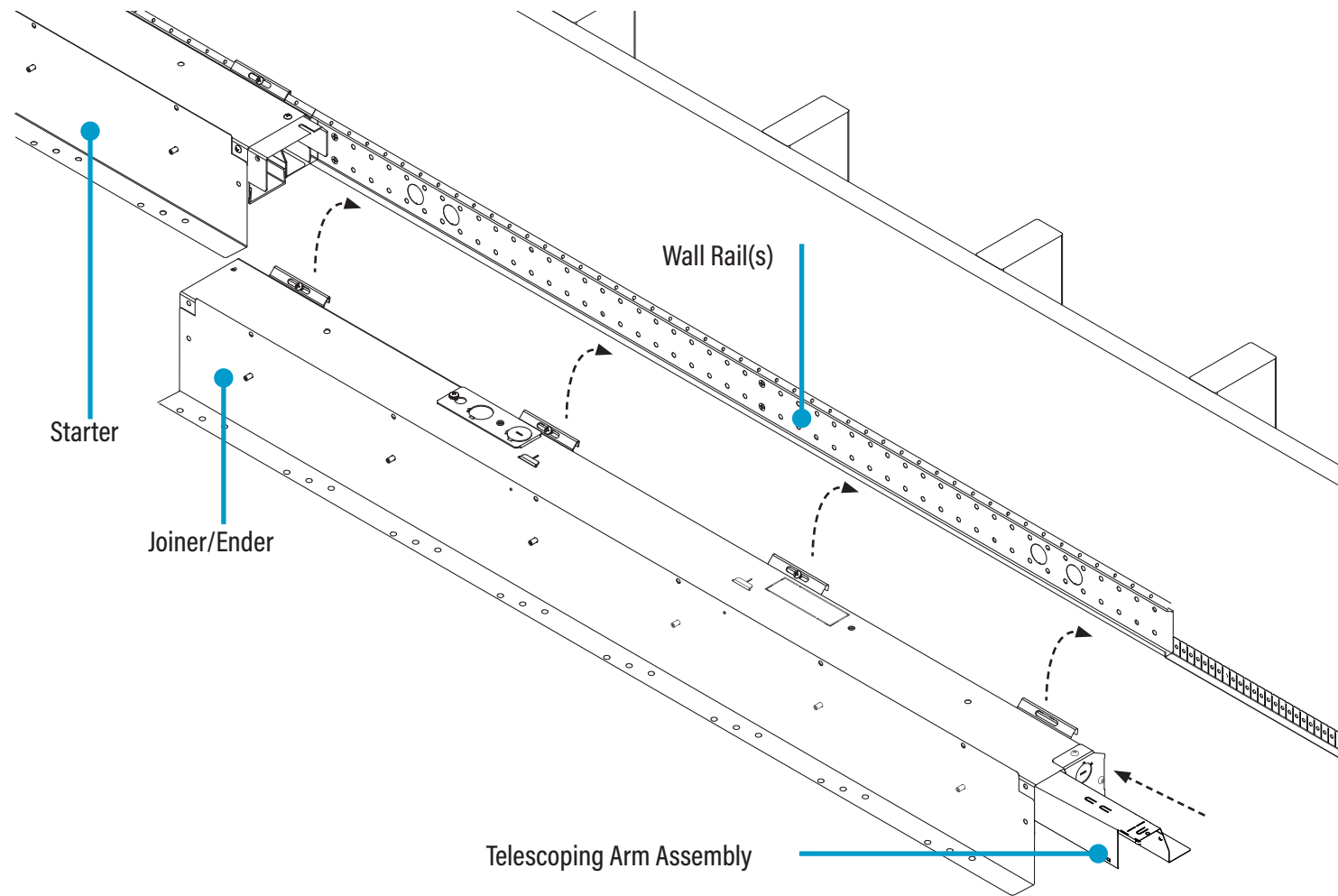
 #8-18 x 1/4" Screw(s) (provided)

 #8-18 x 1/2" Screw(s) (provided)


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Step 5 - Joining Luminaires

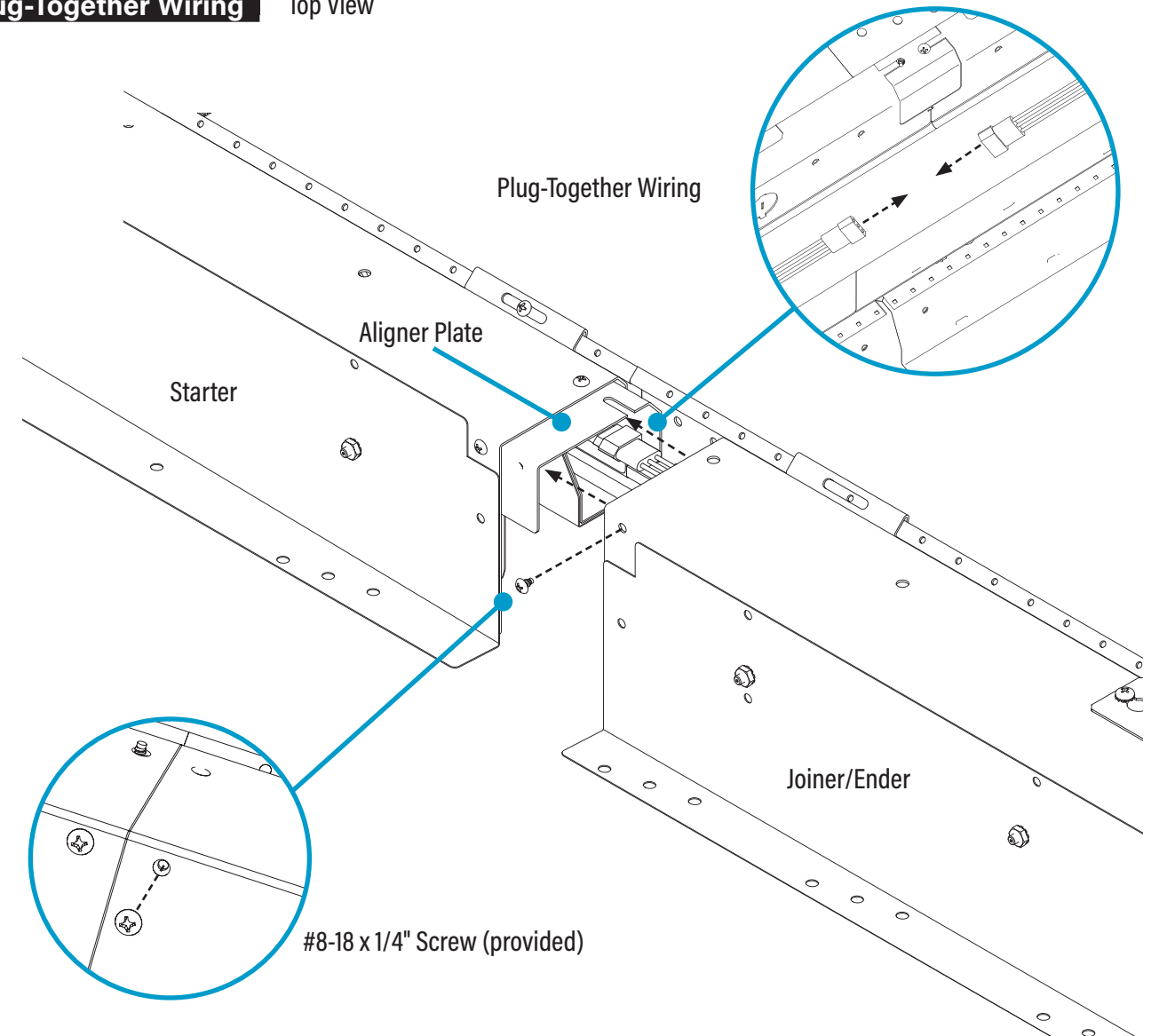
A. Align Starter and Joiner/Ender Top View



- If your joiner/ender has a telescoping arm assembly, retract it to ensure it will not be damaged during install.
- Mount the luminaire to the wall rail as shown. Make sure the wall brackets grab the top of the wall rail.

 #8-18 x 1/4" Screw(s)
(provided)

B. Plug-Together Wiring Top View



- Connect the plug-together wiring.
- Slide the joiner/ender luminaire over the aligner plate on the installed luminaire.
- Make sure the holes are aligned on the plate, then fasten the joiner/ender luminaire to the aligner plate using #8-18 x 1/4" screw.

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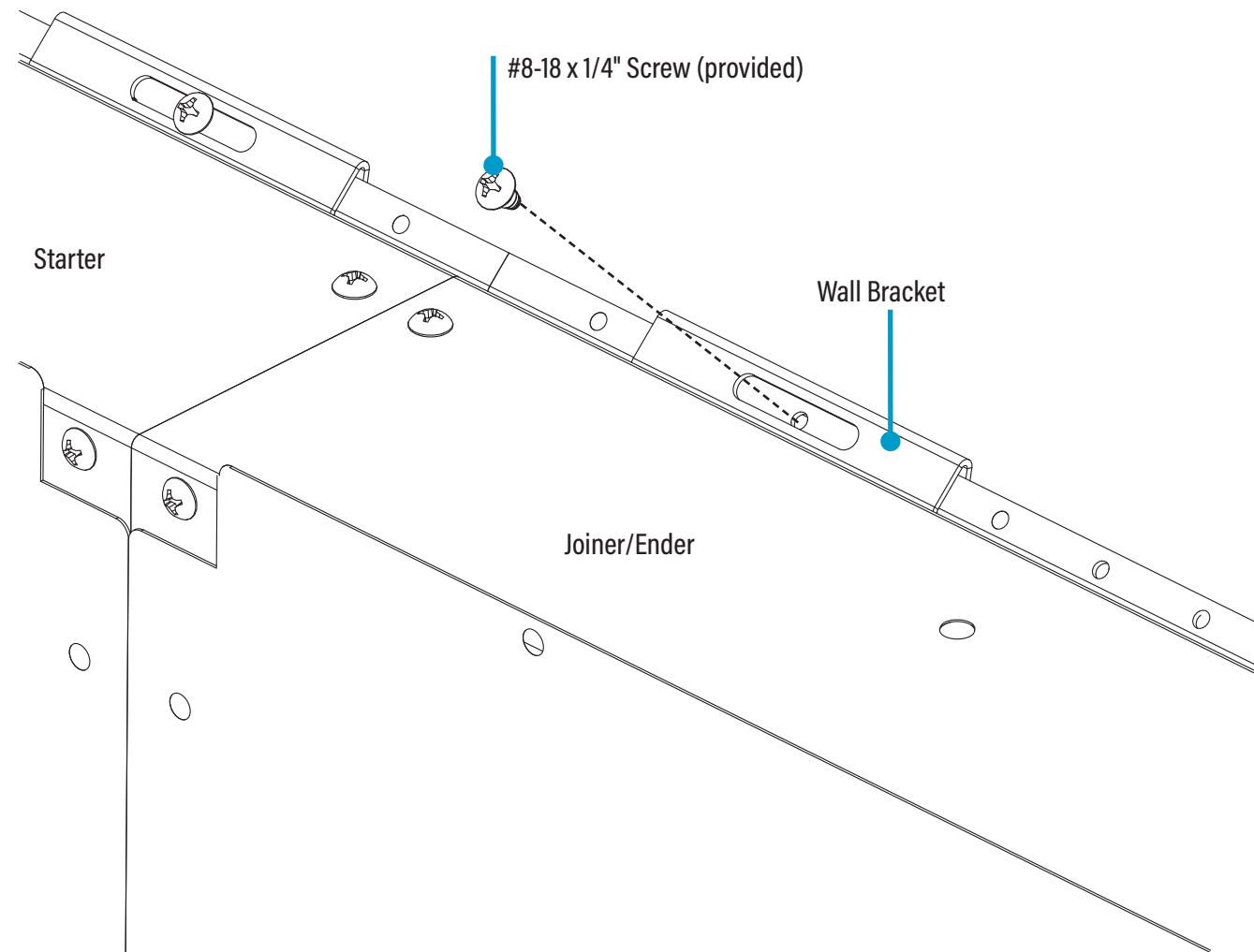


Simple
Plug-Together
Wiring


HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions


Step 5 - Joining Luminaires

C. Secure Joiner/Ender Top View

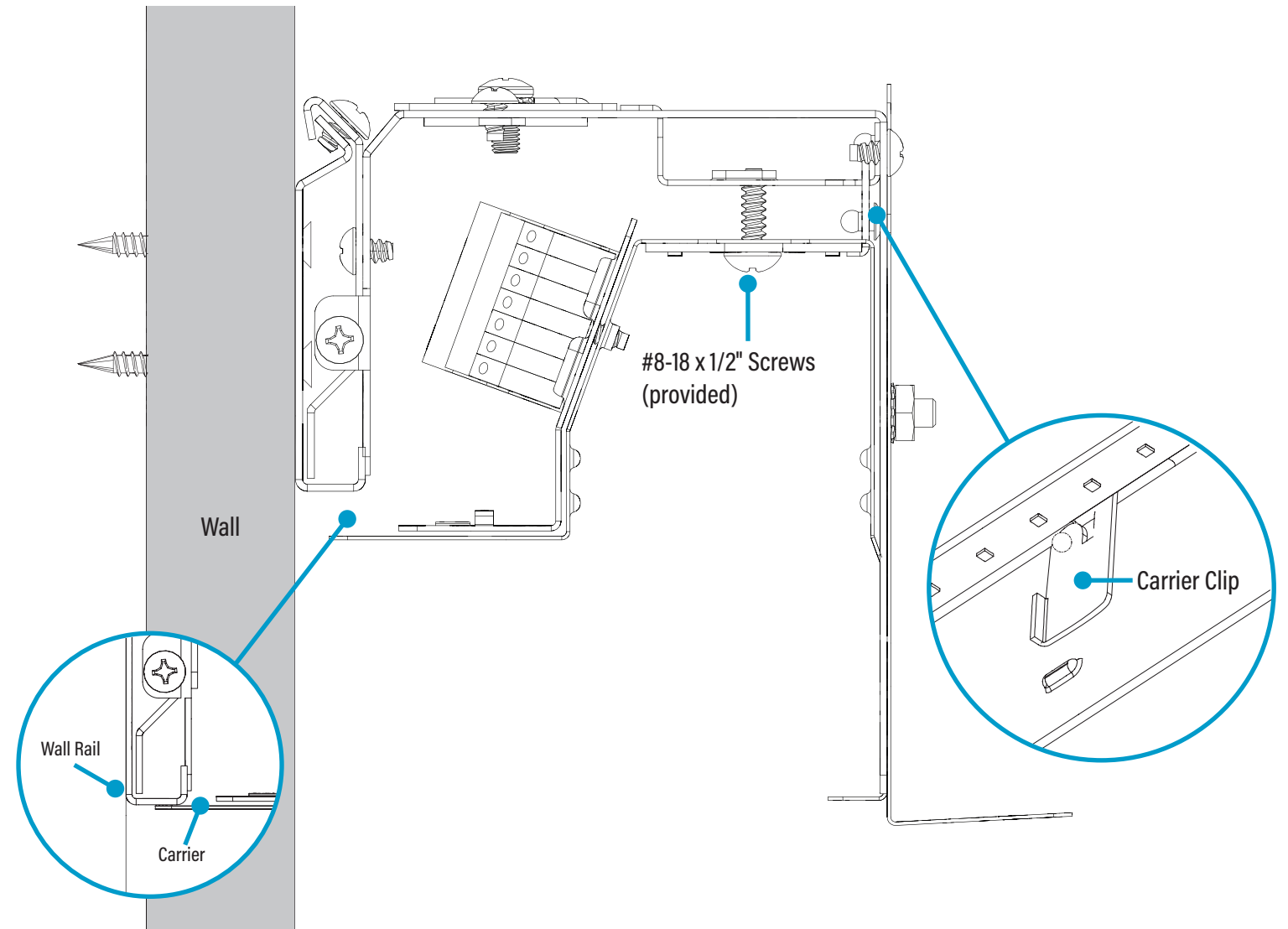


- Secure the joiner/ender luminaire to the wall rail with #8-18 x 1/4" screws going through the wall brackets.
- Repeat Step 5 if you have a long run with more luminaires on the same wall.
- Repeat Step 4 for the next wall.

 #8-18 x 1/4" Screw(s)
(provided)

 #8-18 x 1/2" Screw
(provided)

D. Secure the Carrier Assembly Side View

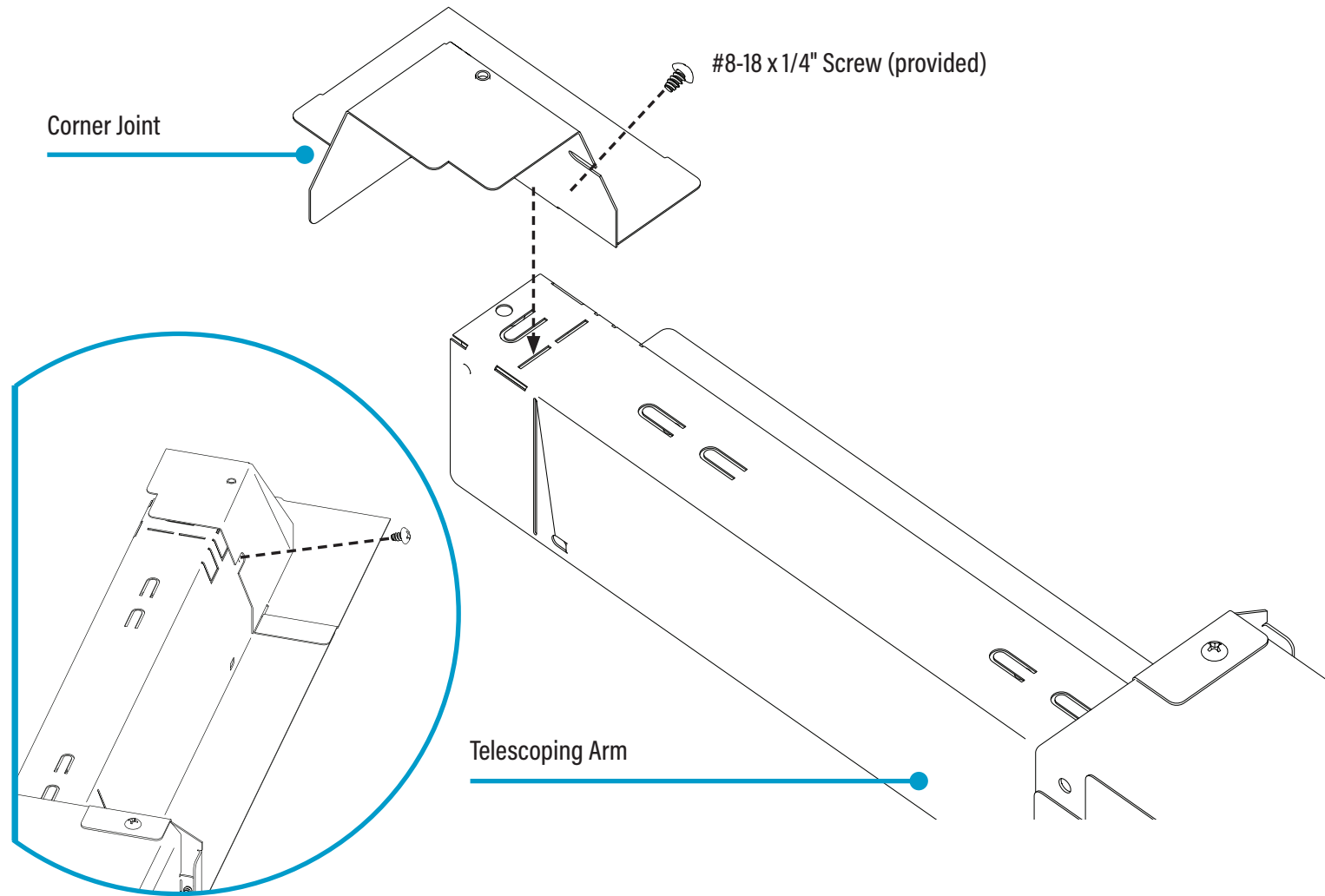


- On all mounted luminaires, tighten the #8-18 x 1/2" screws that goes through the carrier assembly until the carrier meets the bottom surface of the wall rail.
- Secure carrier clips by rotating them 90° degrees counter-clockwise.

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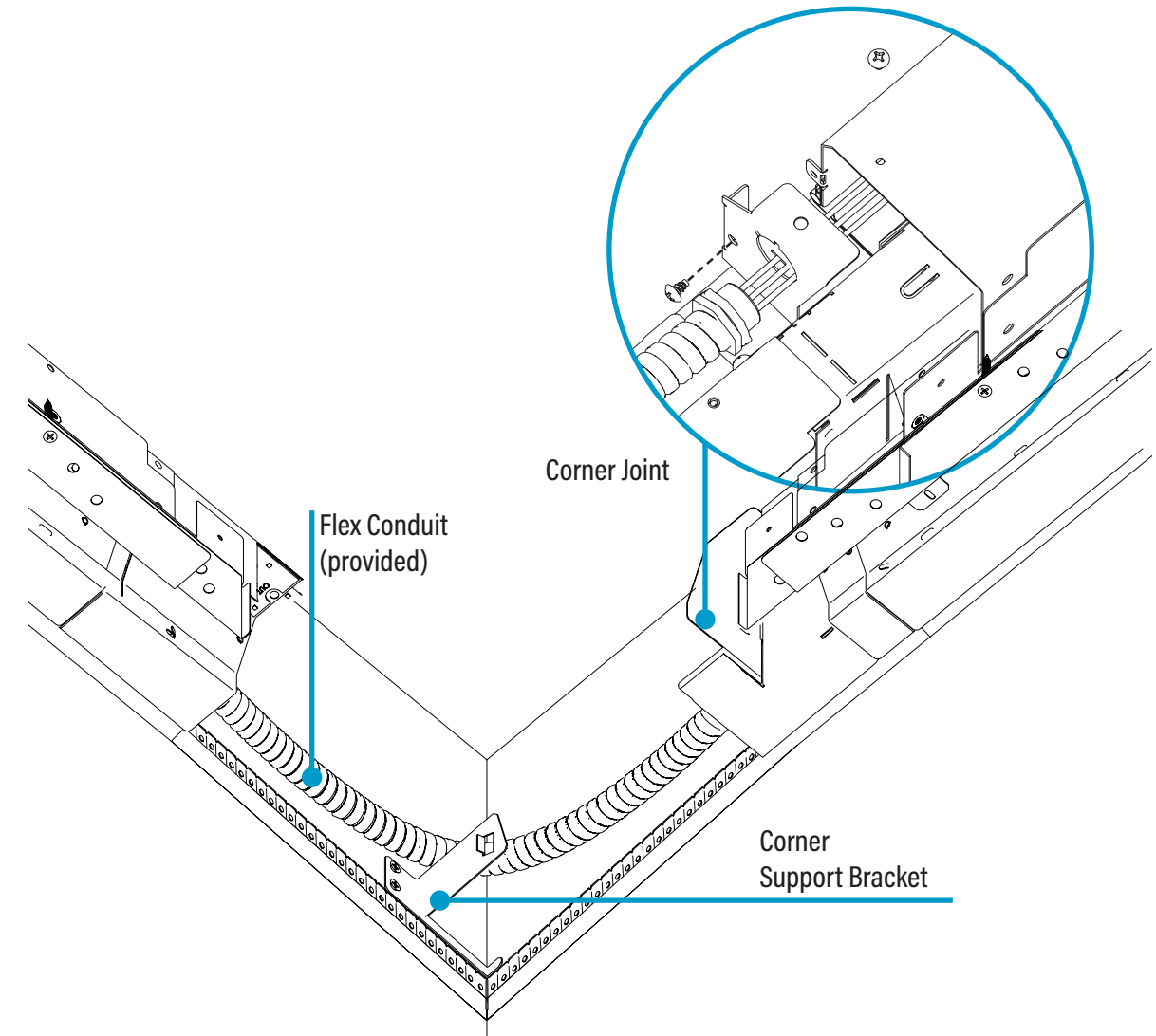
Step 6A - Inside Corner

A. Connect Corner Joint Top-Down View




- Connect the corner joint to the right telescoping arm using #8-18 x 1/4" screw.

B. Connect Flex Conduit Bottom-Up View



- Connect the through wiring using flex conduit and make sure the flex conduit goes above the corner support bracket.
- To connect flex conduit, remove two #8-18 x 1/4" screws from telescope endcap for access.

 #8-18 x 1/4" Screw(s)
(provided)

 Flex Conduit
(provided)

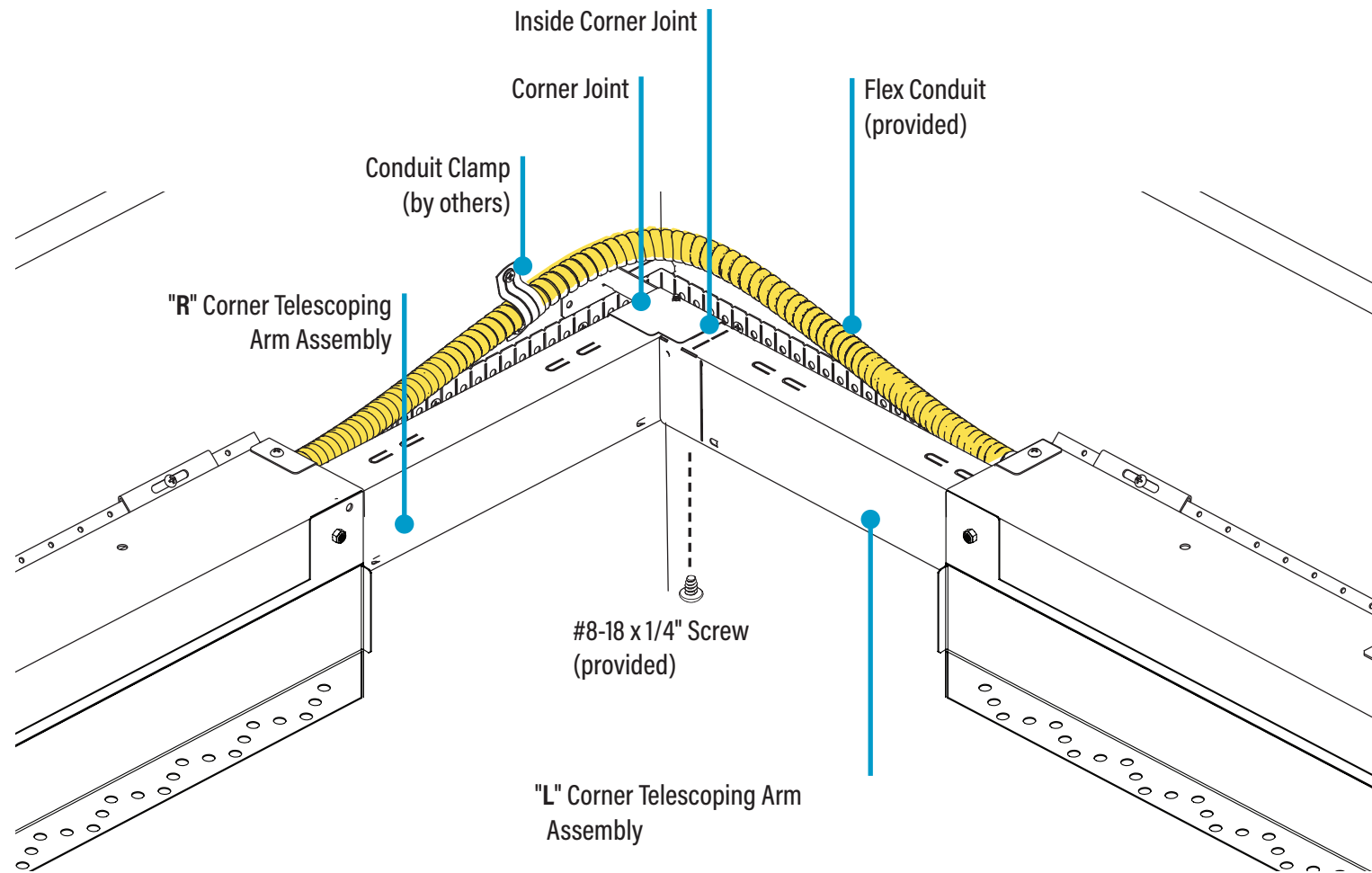
 Conduit Clamp
(by others)

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HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

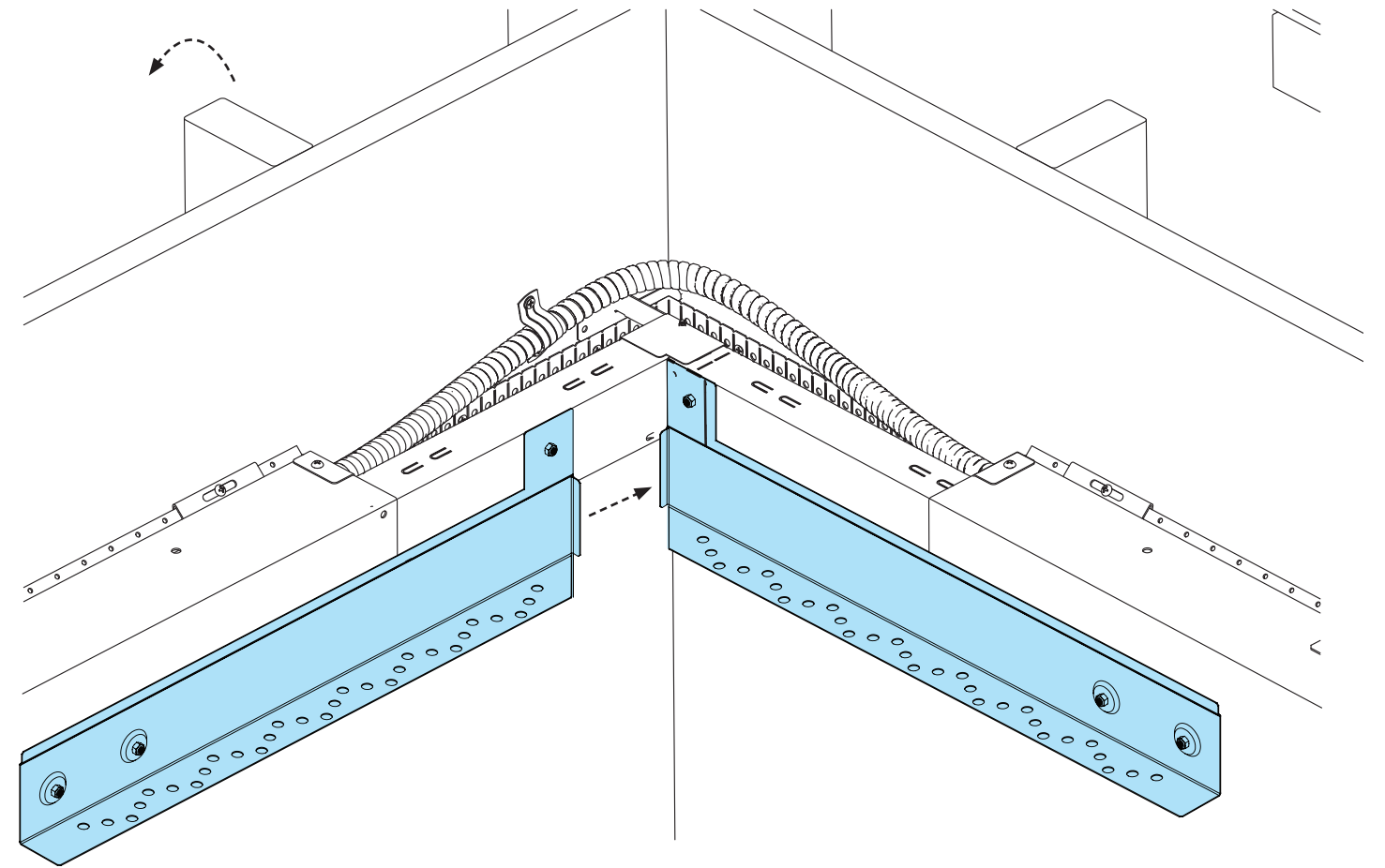
Step 6A - Inside Corner

C. Connect Flex Conduit Top-Down View



- For all non-power feed corners that need through wiring, connect the wiring for the two wall runs using a flex conduit and telescope endcaps.
- The endcaps are connected using #8-18 x 1/4" screws.
- Connect wiring from both luminaire ends to the flex conduit.
- Then, extend the telescoping arm assembly from the luminaire on the L corner up until it meets the wall support corner bracket.
- Extend the telescoping arm assembly from the luminaire on the R corner so it aligns with the inside corner joint as shown.
- Pin the telescoping arms together from below the luminaire using #8-18 x 1/4" screw.

D. Telescope Spackle Flange Subassembly Top View

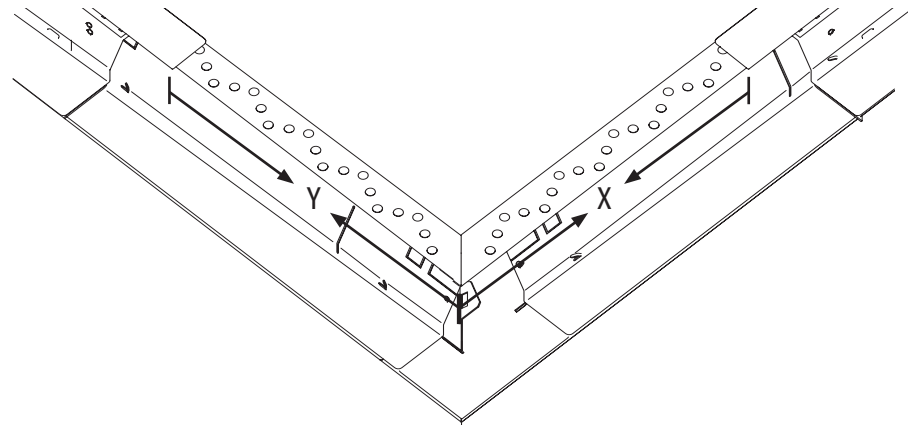


- Remove the nuts from the section on the luminaire where the telescope spackle flange and the luminaire studs overlap.
- Place the telescope spackle flange subassembly onto the corner.
- Reattach nuts to fasten the telescope spackle flange subassembly to corner.

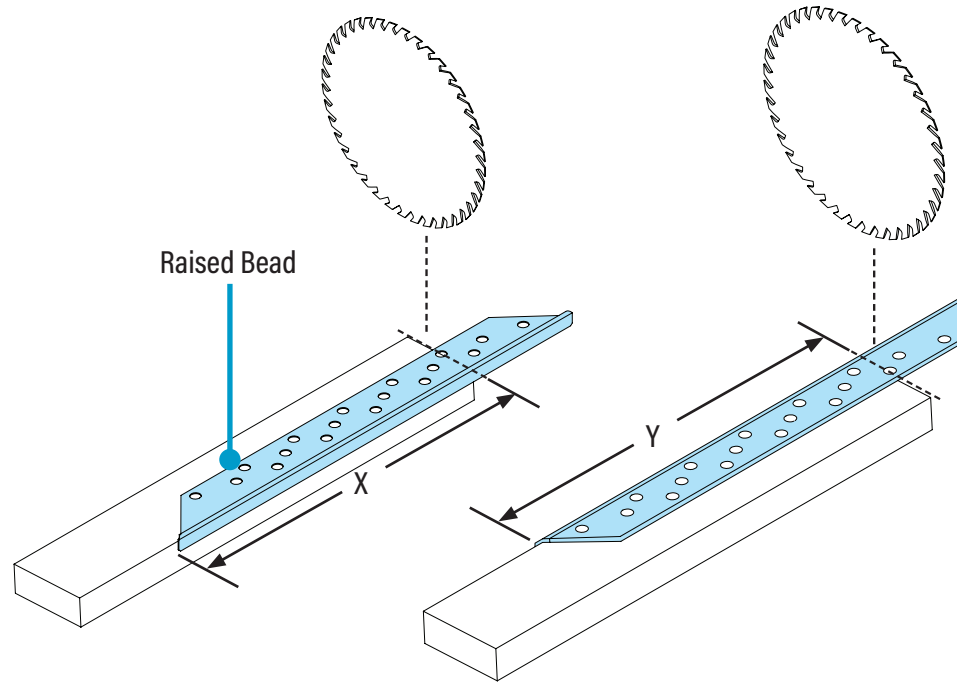
HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

Step 6A - Inside Corner

E. Measure Telescoping Length Bottom-Up View

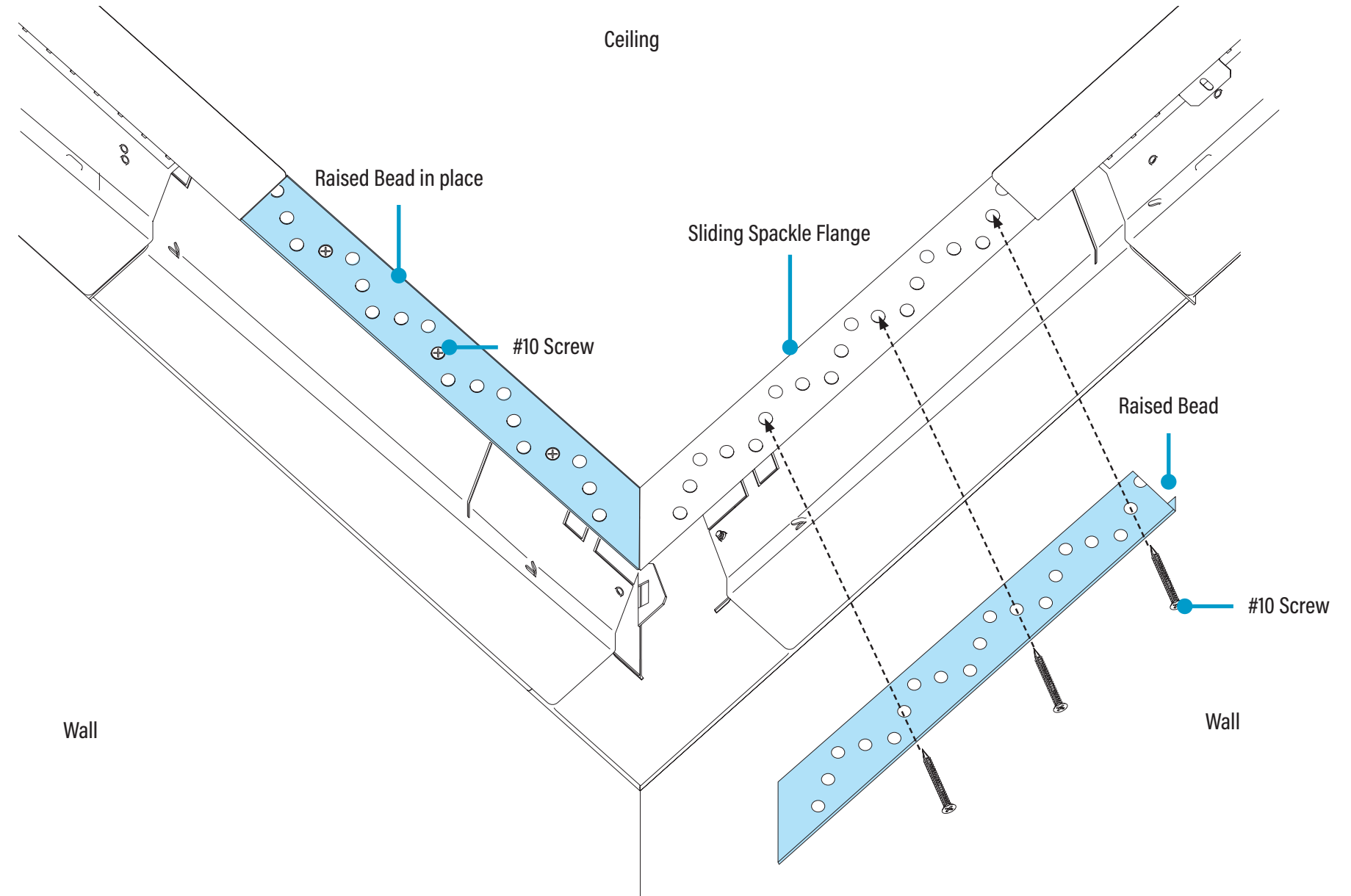


- Measure long edges of telescoping areas. Measurements "X" and "Y" will vary.

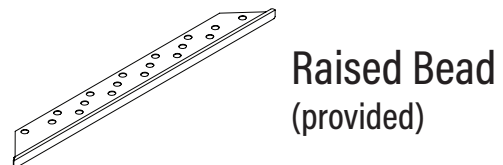


- Measure from the square edge to the tip of a mitered edge.
- Cut the raised beads to X and Y

F. Secure Raised Bead Bottom-Up View



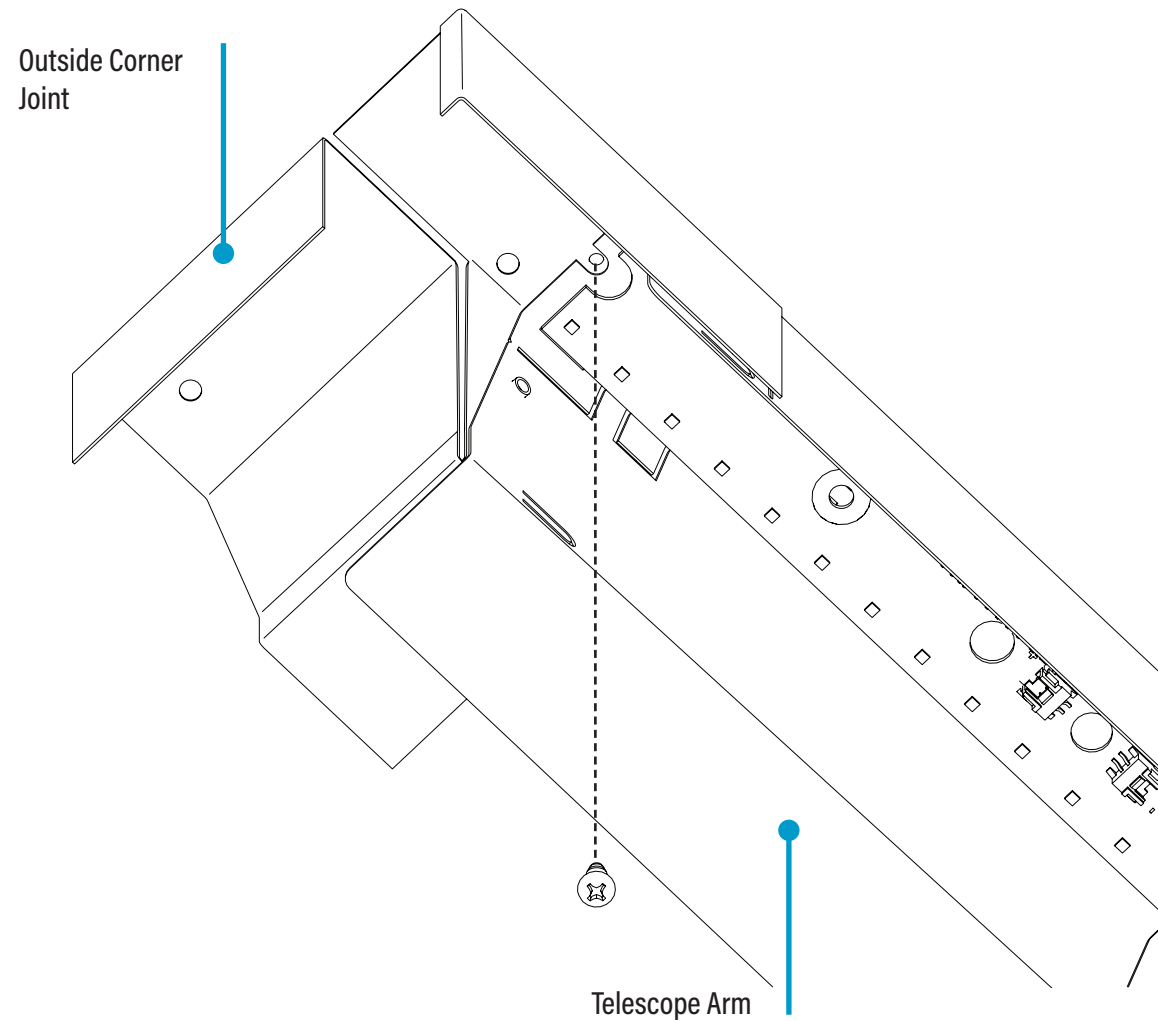
- Mount raised beads to ceiling through telescoping sections using appropriate #10 screws.




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Step 6B - Outside Corner

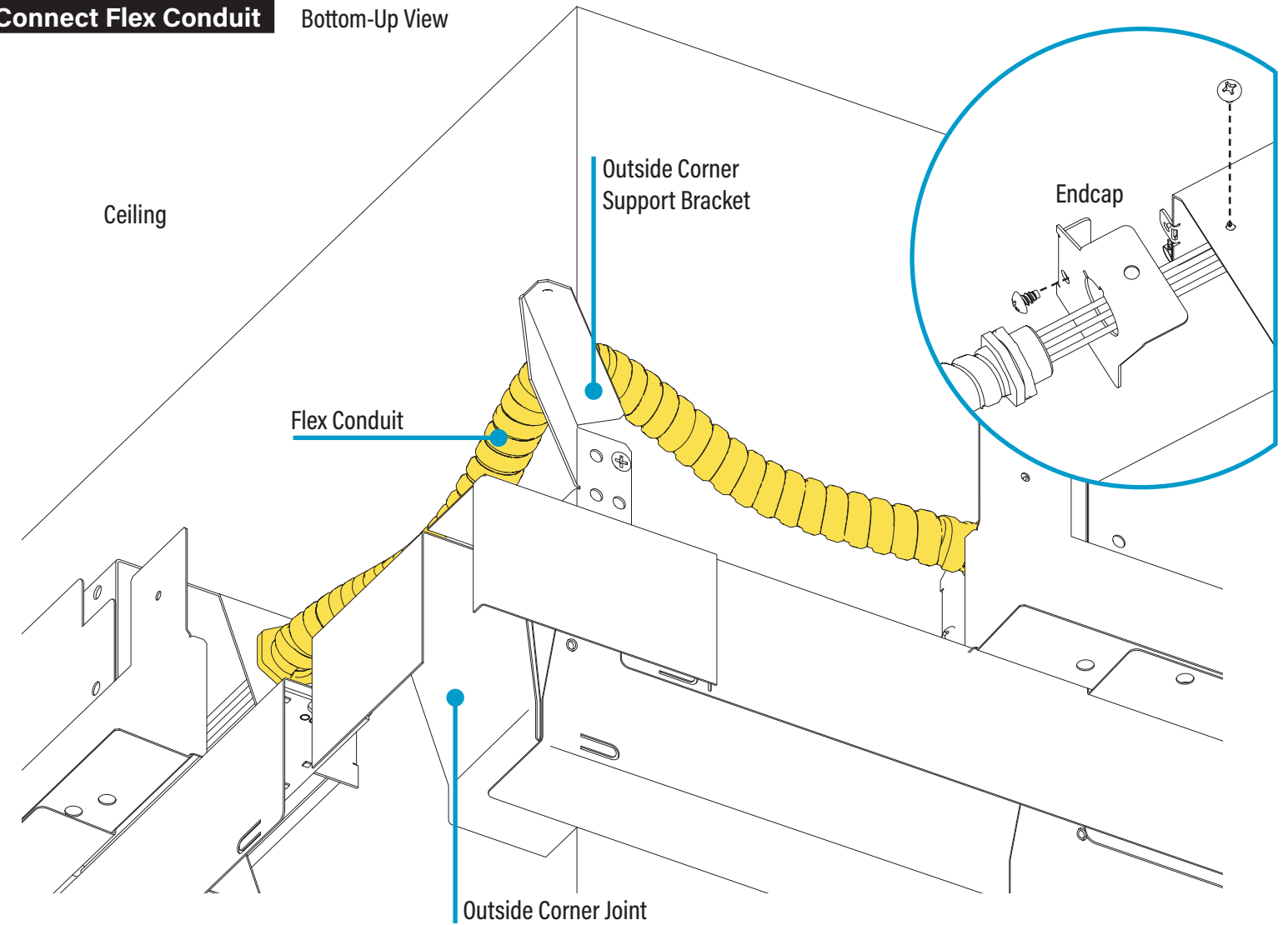
A. Connect Corner Joint Bottom-Up View



- Connect the corner joint to the right telescoping arm using #8-18 x 1/4" screw.

 #8-18 x 1/4" Screw(s)
(provided)

B. Connect Flex Conduit Bottom-Up View



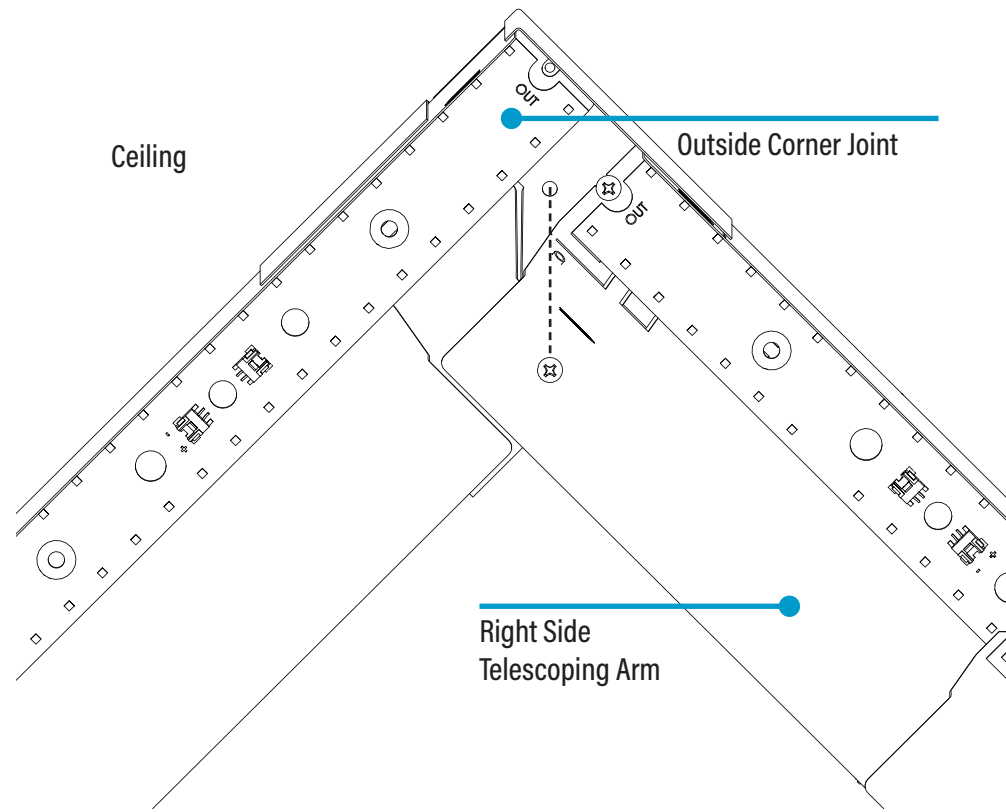
- Connect the through wiring using flex conduit and be sure the flex conduit goes above the corner support bracket.
- To connect flex conduit, remove two #8-18 x 1/4" screws from telescope endcap for access.

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HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

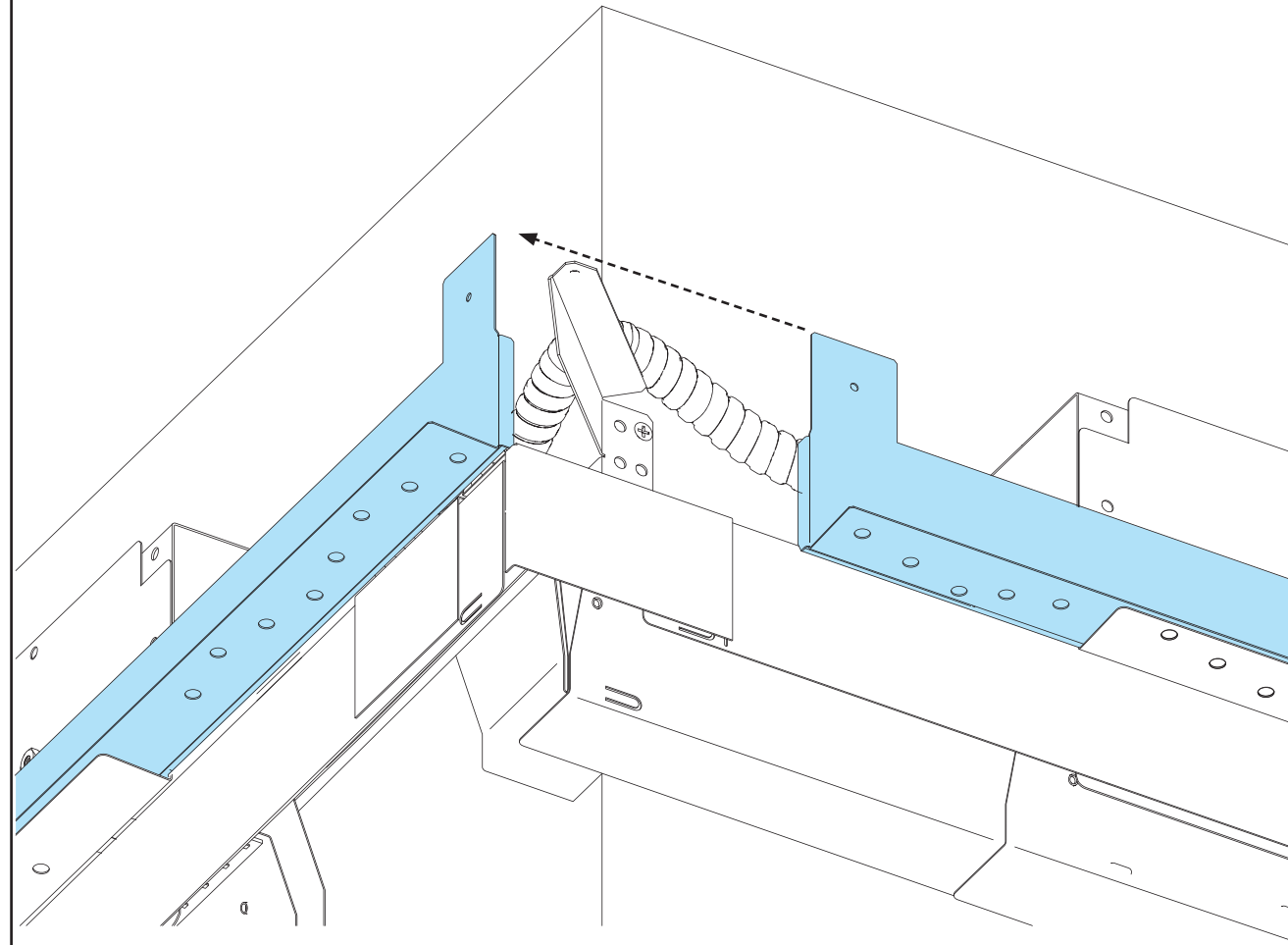
Step 6B - Outside Corner

C. Connect Telescoping Arms Bottom-Up View



- Mount right side telescoping arm to corner support bracket.
- Connect left telescoping arm and fasten to right telescope arm with #8-18 x 1/4" screw.

D. Telescope Spackle Flange Subassembly Bottom-Up View

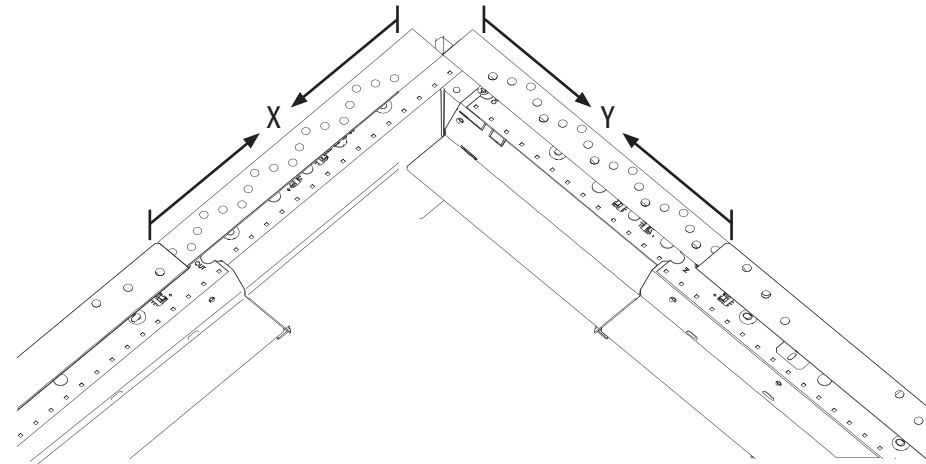


- Remove the #10-32 nuts from the section where the telescope spackle flange and the luminaire studs overlap.
- Place the telescope spackle flange subassembly onto the corner.
- Reattach nuts to fasten the telescope spackle flange subassembly to corner.

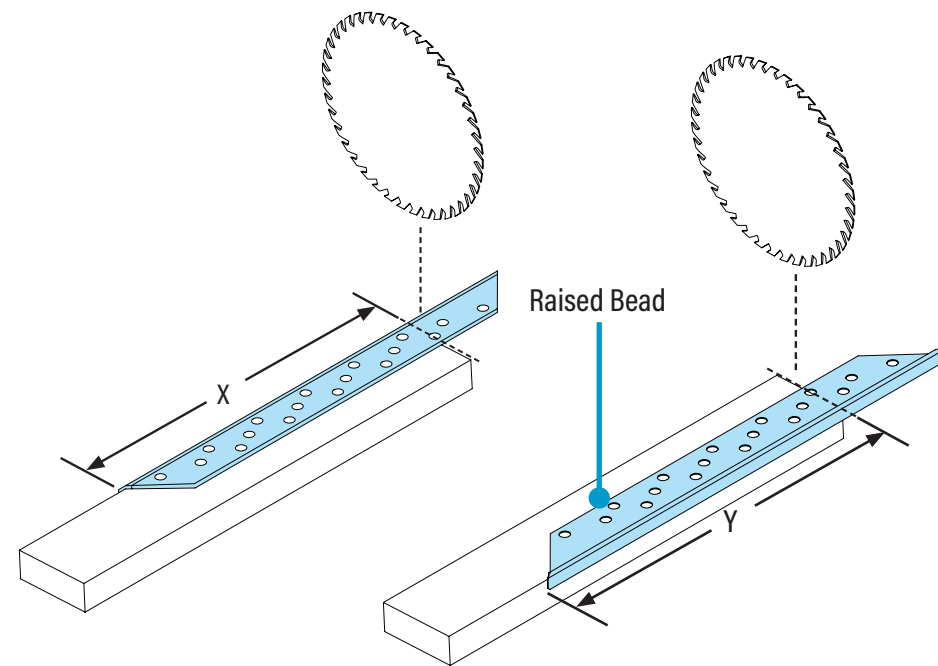
HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

Step 6B - Outside Corner

E. Measure Telescoping Length Bottom-Up View

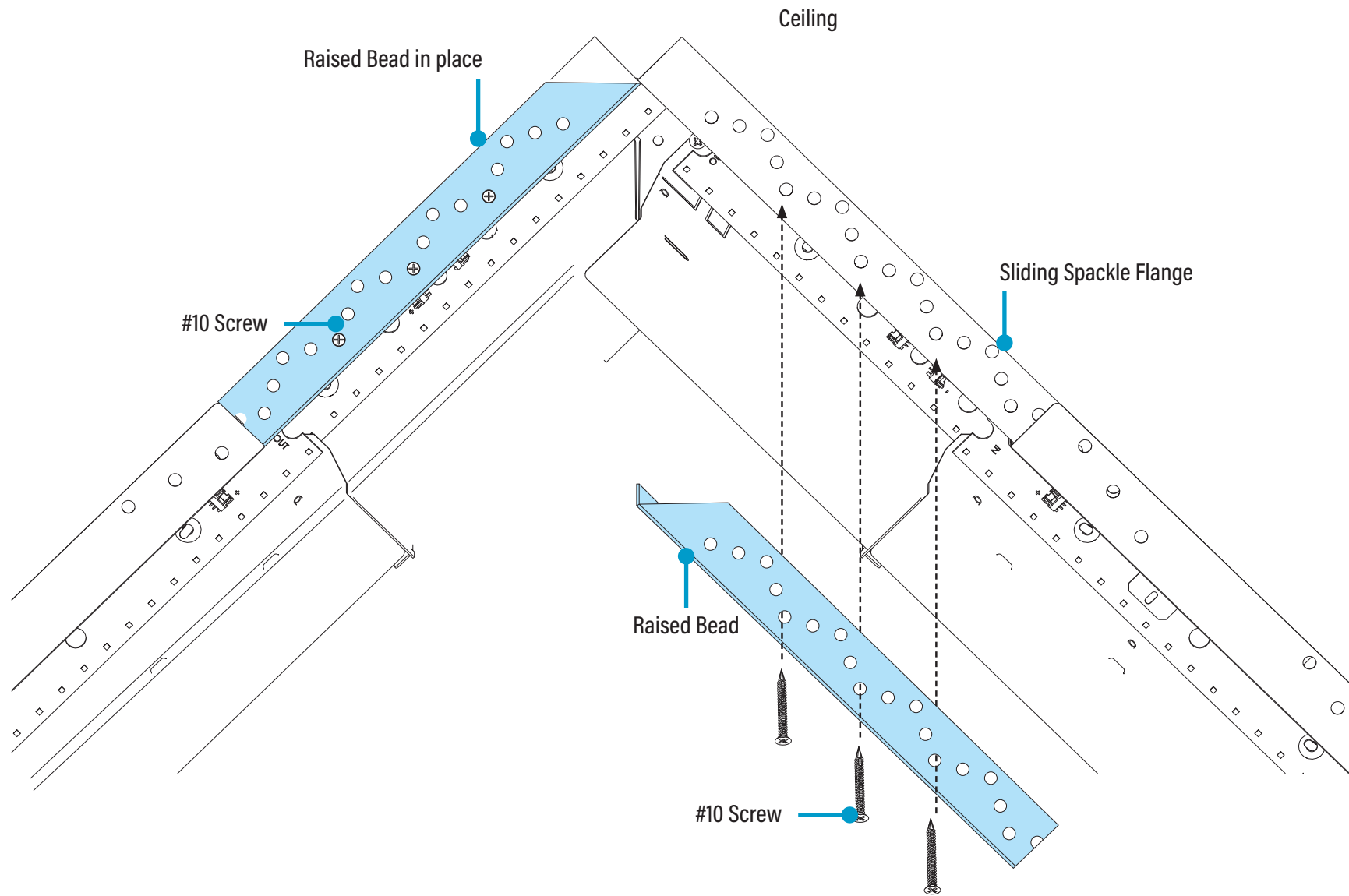


- Measure telescoping areas. Measurements "X" and "Y" will vary.



- Measure from the square edge to the tip of a mitered edge.
- Cut the raised beads to X and Y

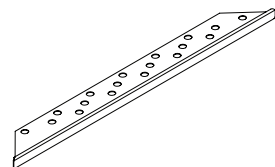
F. Secure Raised Bead Bottom-Up View



- Mount raised beads to ceiling through telescoping sections using appropriate #10 screws.



#10 Screws
(by others)

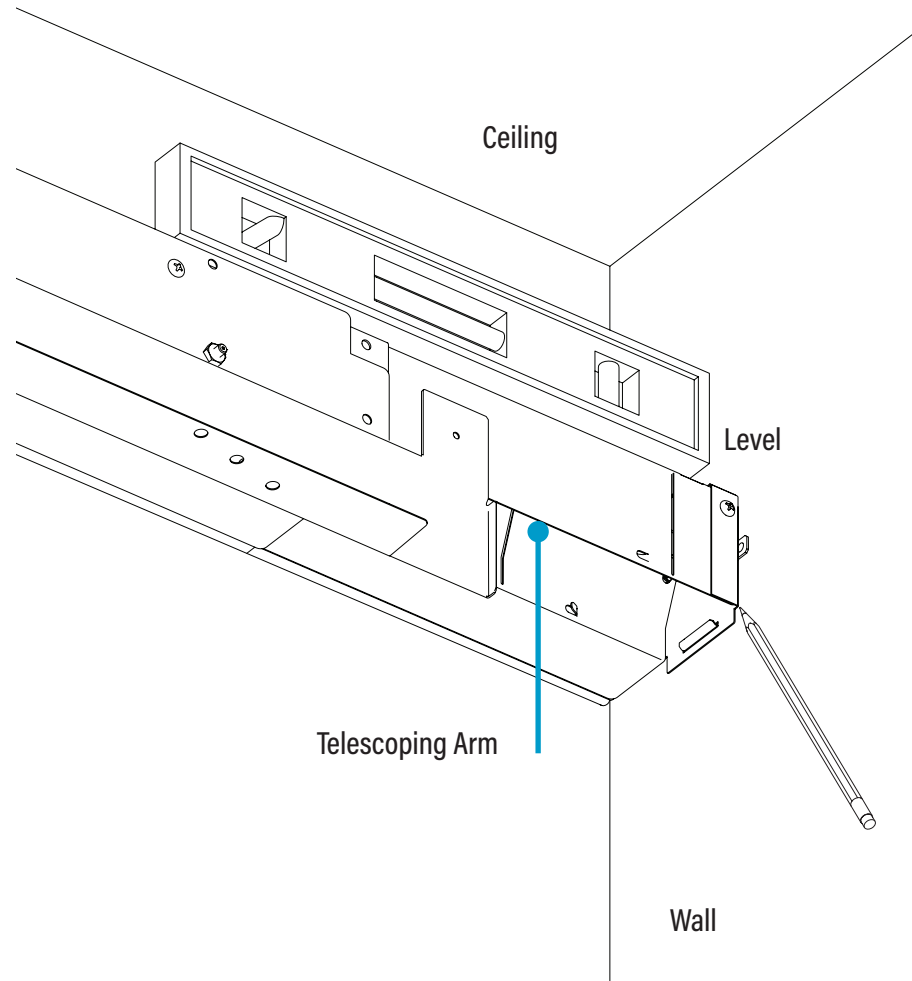


Raised Bead
(provided)

HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

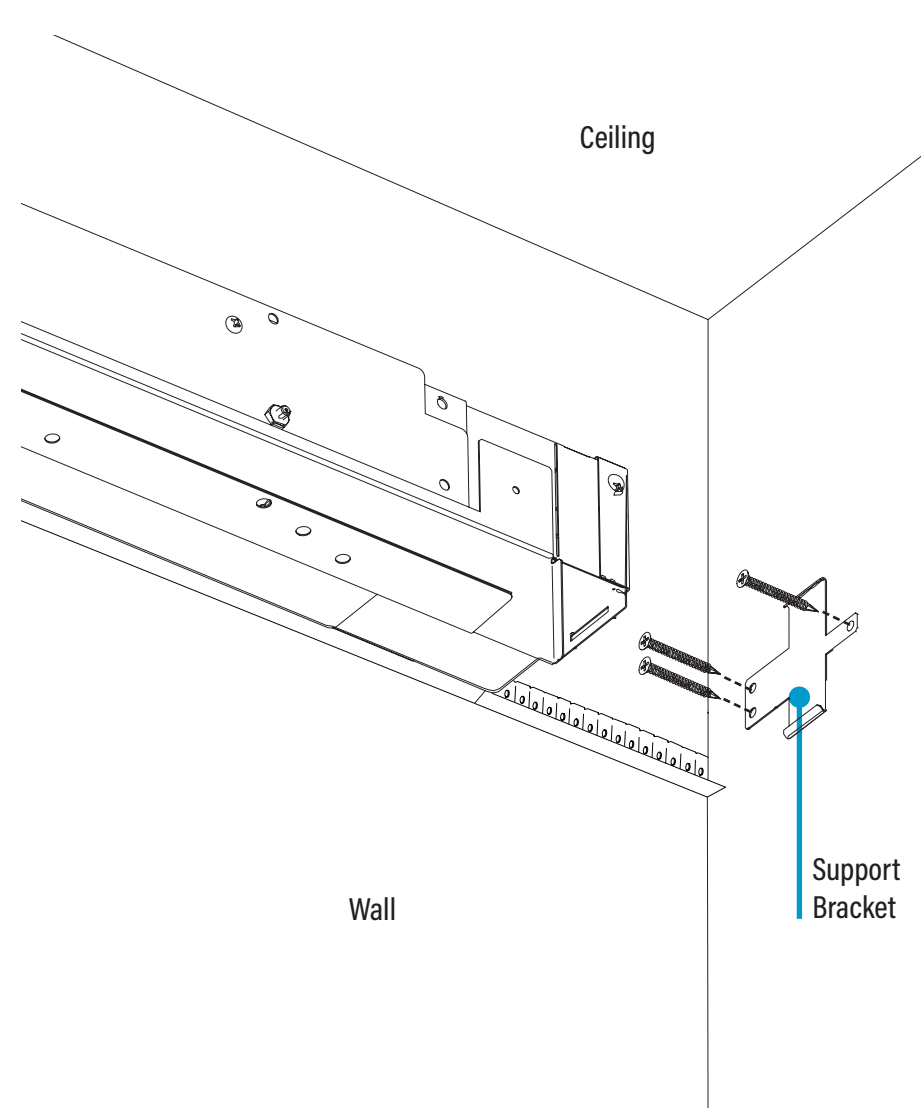
Step 7 - Straight Telescope

A. Extend Straight Telescope Bottom-Up View



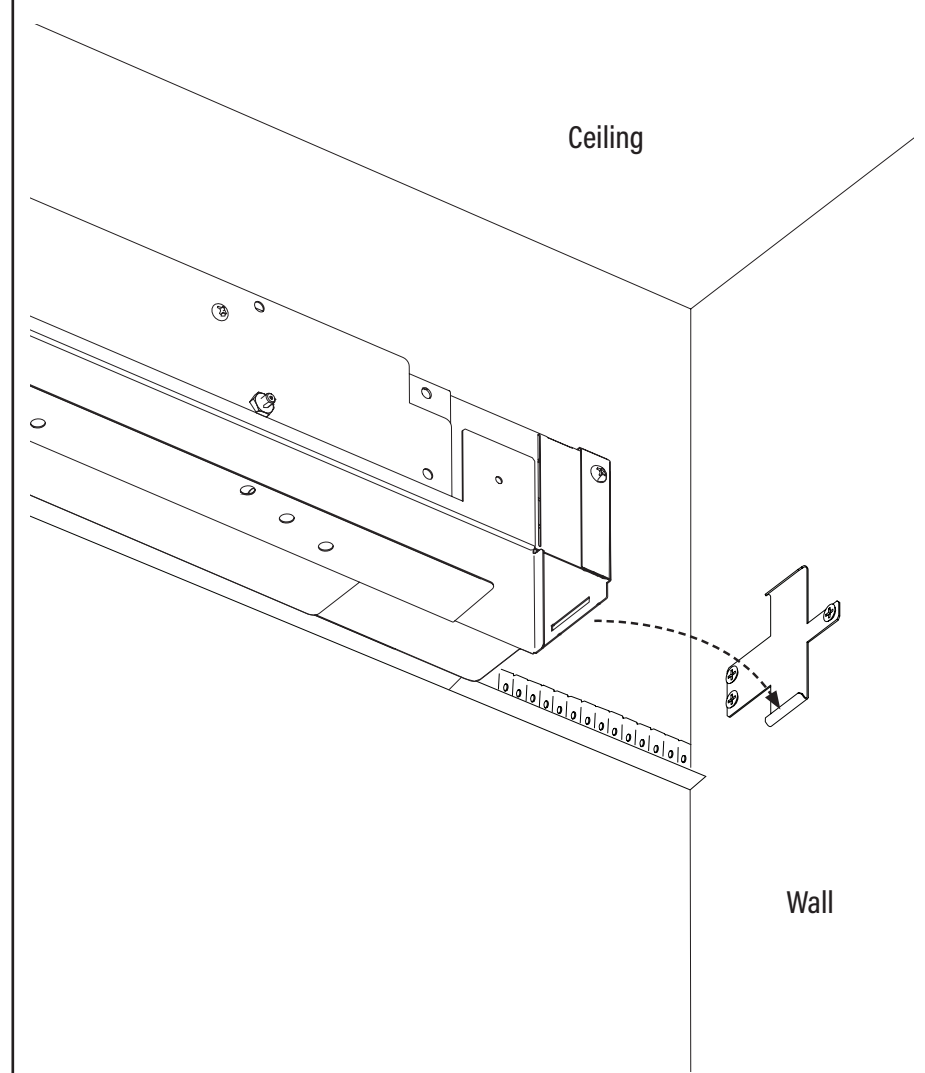
- Extend telescoping arm to wall, ensuring it is level.
- Mark where the telescope wall support bracket will be mounted.

B. Mount Support Bracket Bottom-Up View



- Mount support bracket to wall using appropriate #10 screws.

C. Hook Telescope Bottom-Up View



- Hook the telescoping arm onto the support bracket using the slot provided.

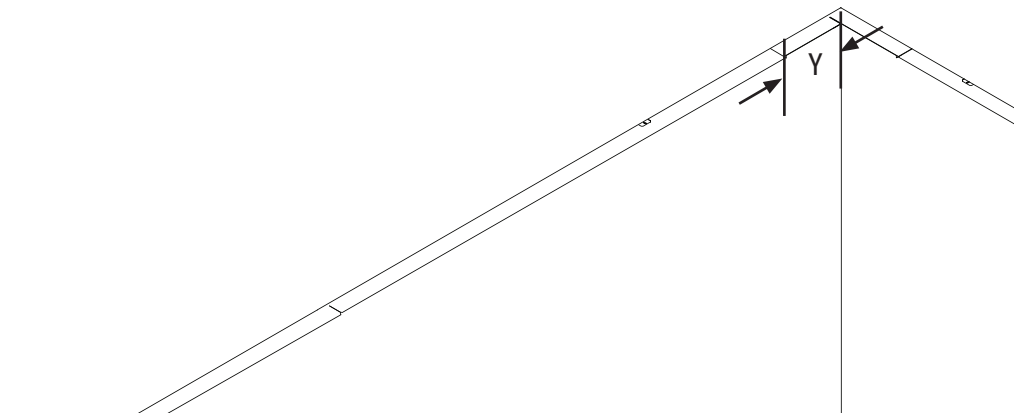


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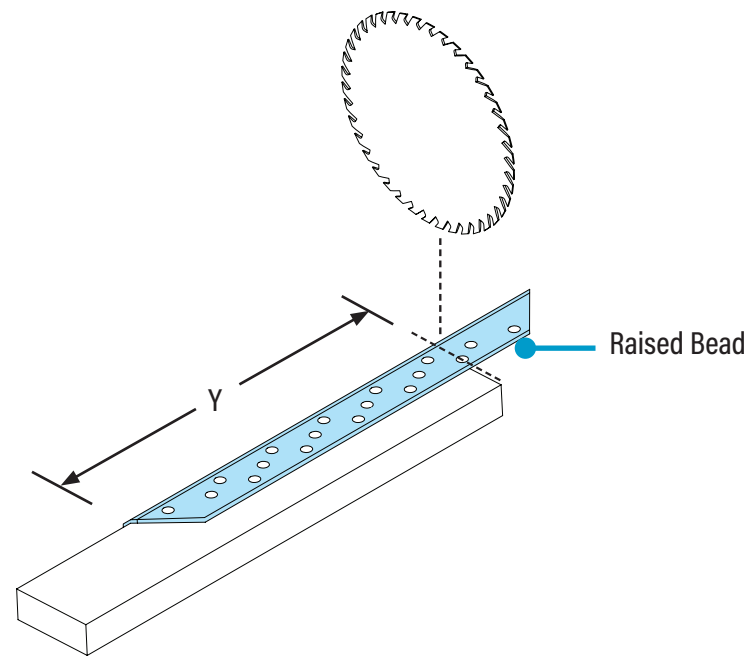
HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

Step 7 - Straight Telescope

D. Measure Telescoping Length Bottom-Up View

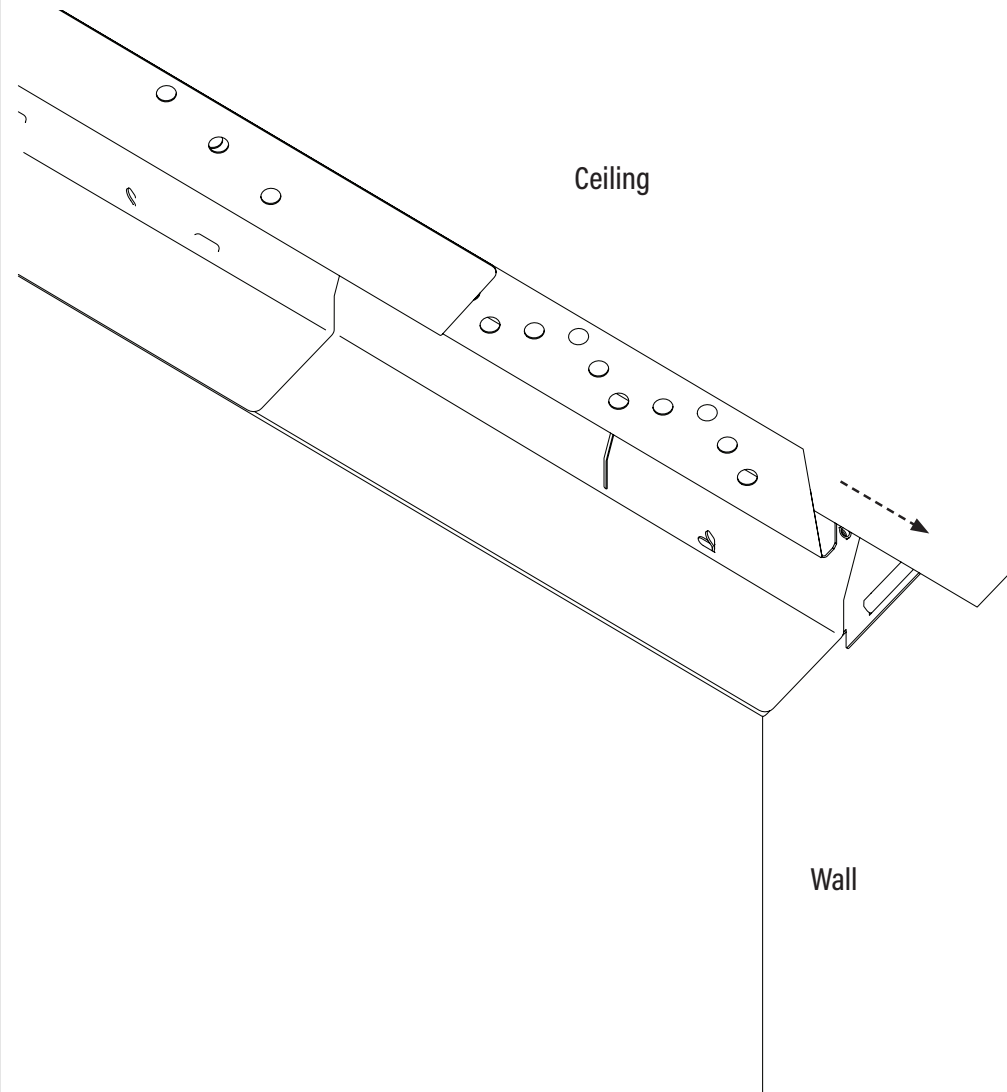


- Telescoping area measurement "Y" will vary.



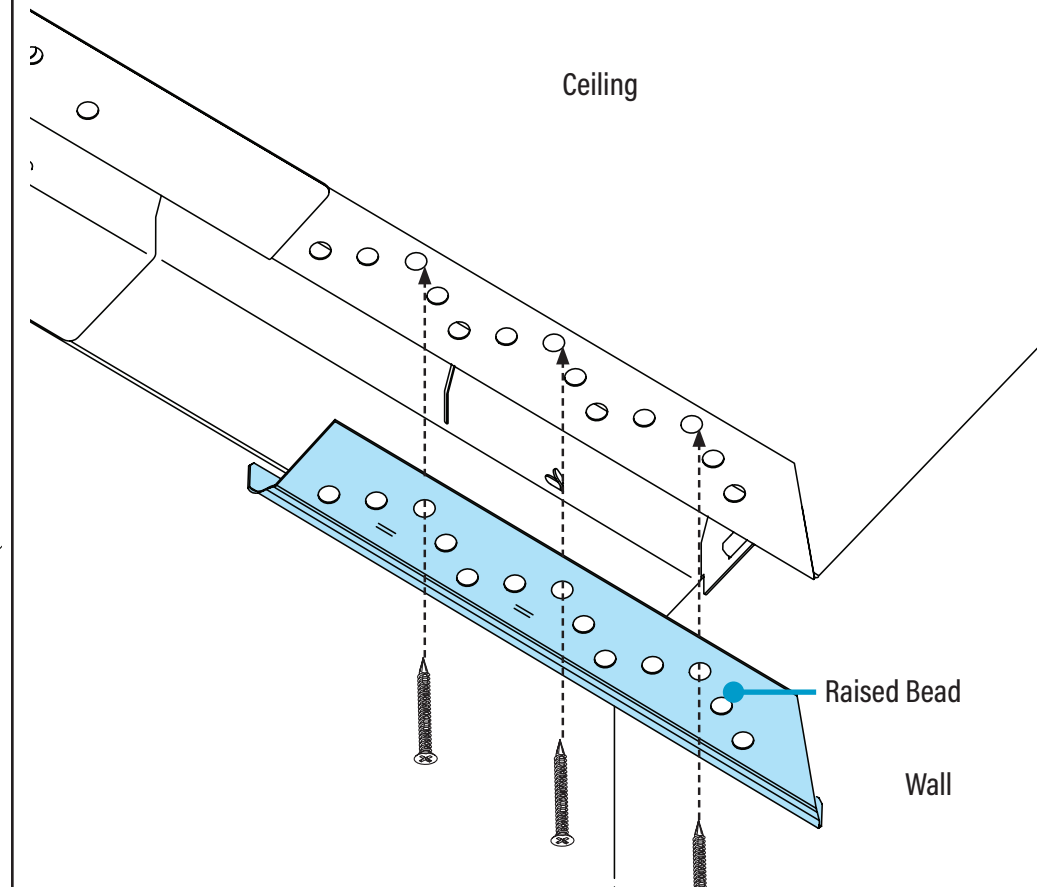
- Measure from the square edge to the tip of a mitered edge.
- Cut the raised bead to Y

E. Extend Sliding Spackle Flanges Bottom-Up View

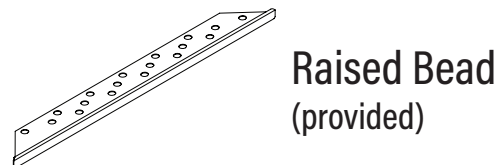


- Extend the sliding spackle flange till it meets the wall.

F. Secure Raised Bead Bottom-Up View



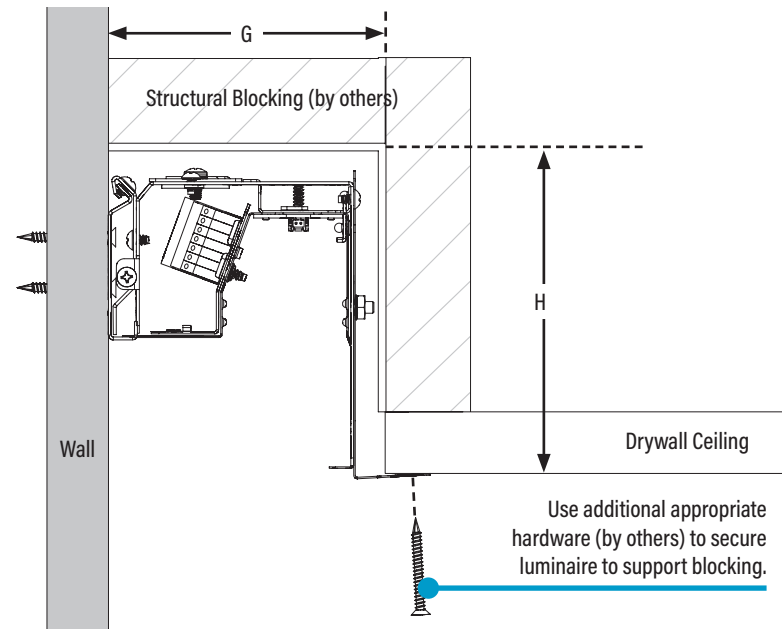
- Mount raised bead to ceiling through telescoping section using appropriate #10 screws.



HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

Step 8 - Closing Luminaires

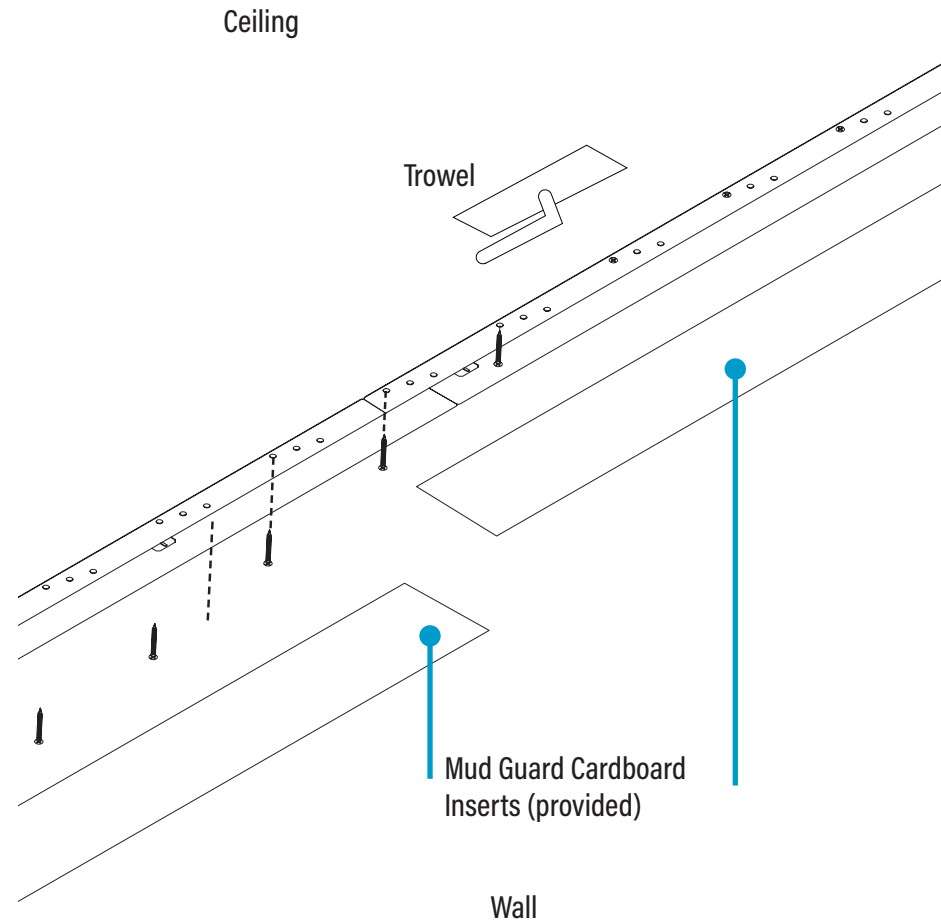
A. Structural Blocking Side View



Luminaire Height	4" W (in)	6" W (in)
2"	G = 4-5/8" H = 5-1/8"	G = 6-5/8" H = 5-1/8"
4"	G = 4-5/8" H = 7-1/8"	G = 6-5/8" H = 7-1/8"
6"	G = 4-5/8" H = 9-1/8"	G = 6-5/8" H = 9-1/8"

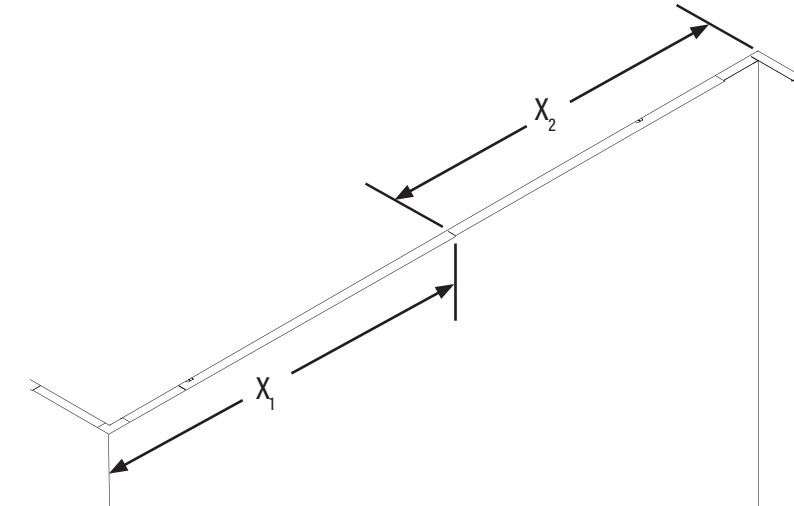
- Provide appropriate support blocking for proper drywall installation and around the luminaire using the table above.
- Fasten luminaire using appropriate #10 screws through spackle flanges.
- The image shown is the 4"W x 2"H configuration.
- Make sure to leave ample space around wiring conduit.

B. Secure Spackle Flange Bottom-Up View

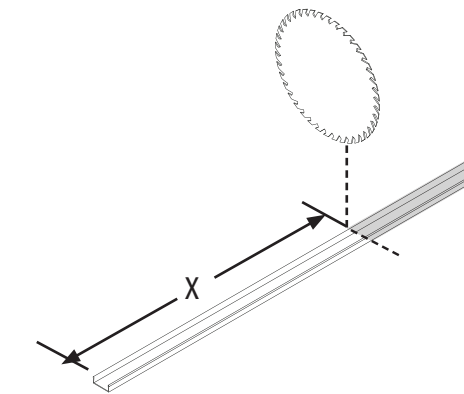


- Mount spackle flange to drywall ceiling using appropriate #10 screws.
- Install mud guard cardboard inserts to help prevent spackle and paint from getting into the luminaire.
- Spackle to cover the flange.
- Perform all spackling and painting to walls and ceiling before removing mud guards.

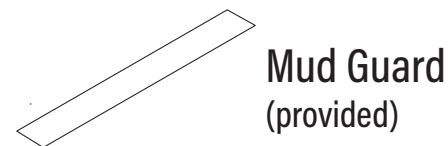
C. Measure Diffusers Bottom-Up View



- Diffuser measurement X will vary.



- Diffuser length X is always measured along the longest edge.
- Measure the overall length for square-edged lengths.
- Measure from the square edge to the tip of a mitered edge.
- Cut the diffuser to X minus 1/16". For example, if X is 8'6", cut the diffuser to 8' 5-15/16".
- This difference accounts for thermal expansion and helps to avoid light leaks. Diffusers should be cut at a room temperature between 70°F and 73°F. Contact the factory if cutting at a temperature outside that range.



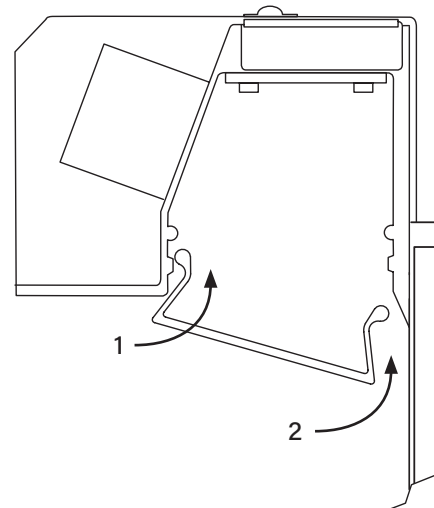
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HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions

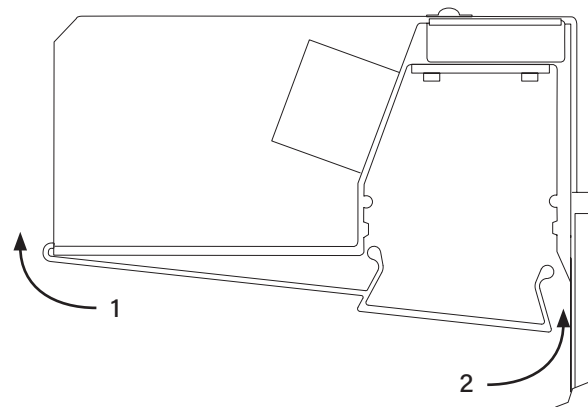
Step 8 - Closing Luminaires

D. Replace Diffusers Side View

4W Only

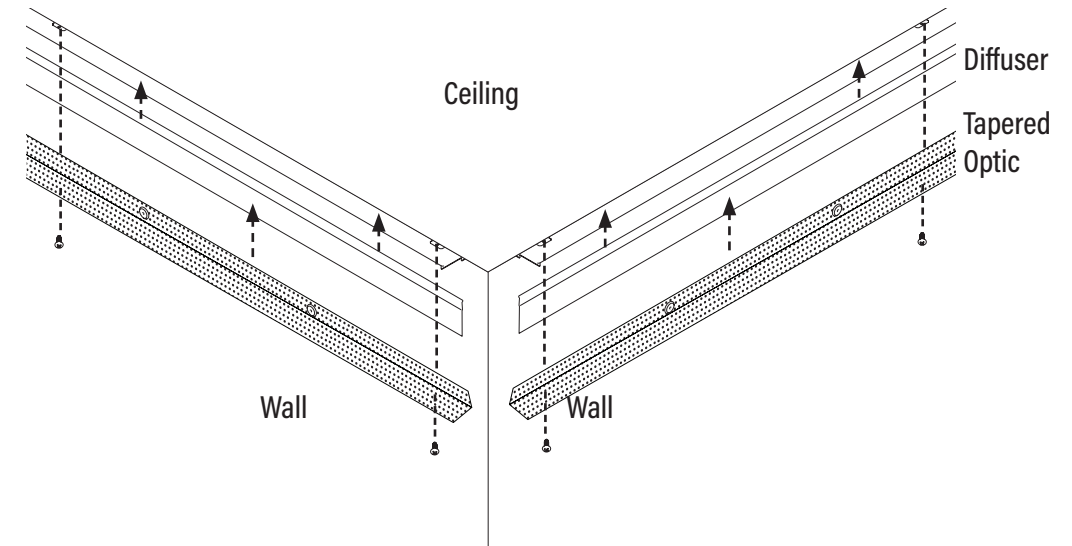


6W Only

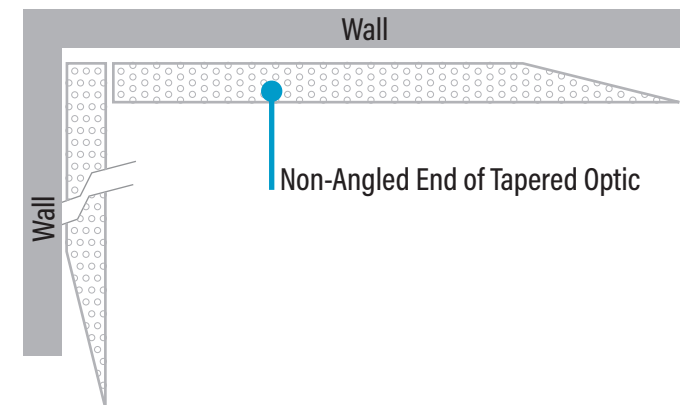


- Replace diffusers

Install Tapered Optic to Inside Corner Bottom-Up View



Bottom-Up View



For Inside Corner Only

- Install diffusers and tapered optics using #4-24 x 1/4" screws at inside corner
- Non-angled end of tapered optic to be placed at ends of luminaire closest to perpendicular wall.
- Turn power on to luminaire.