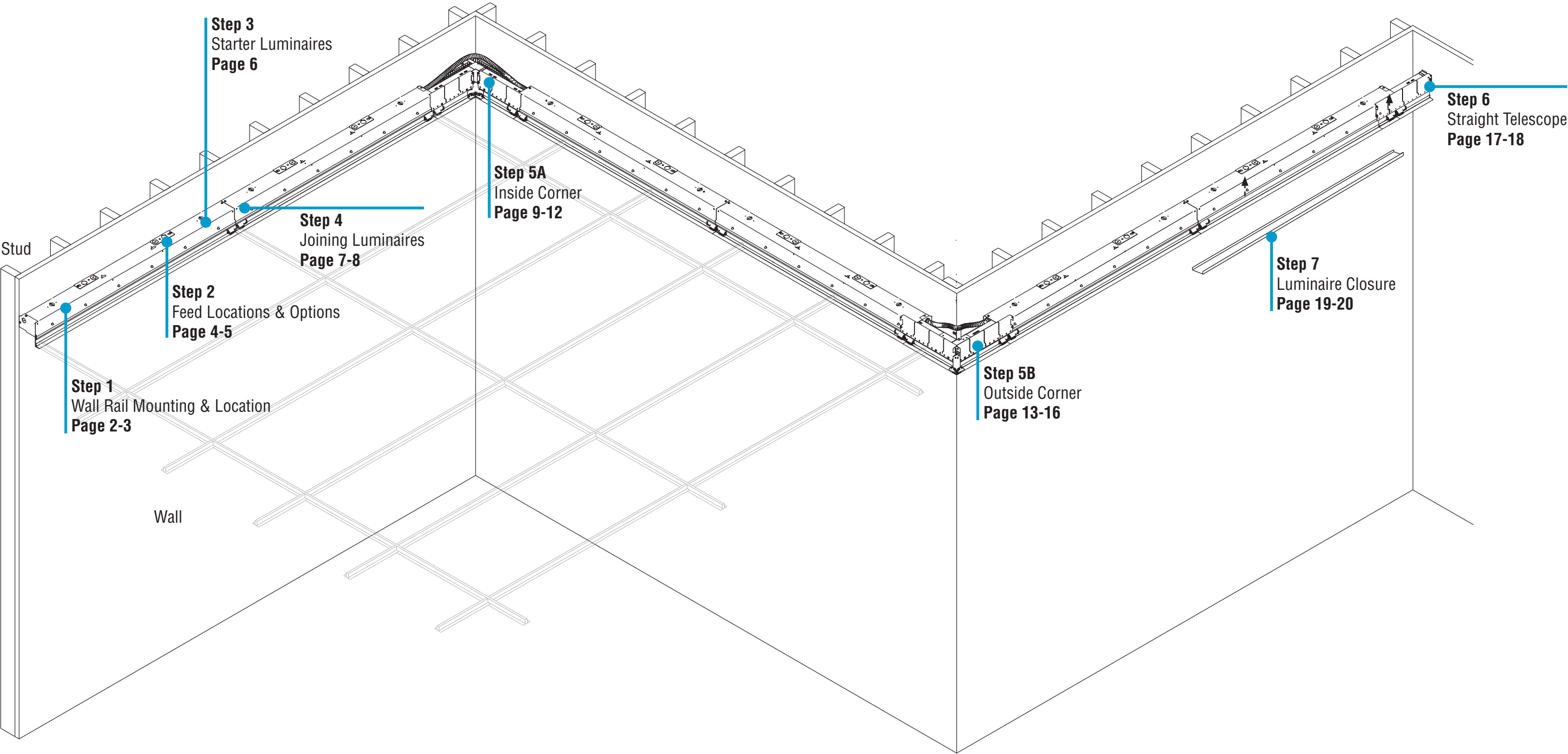


# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

## Overview



### Helpful Video



0-10V Dimming

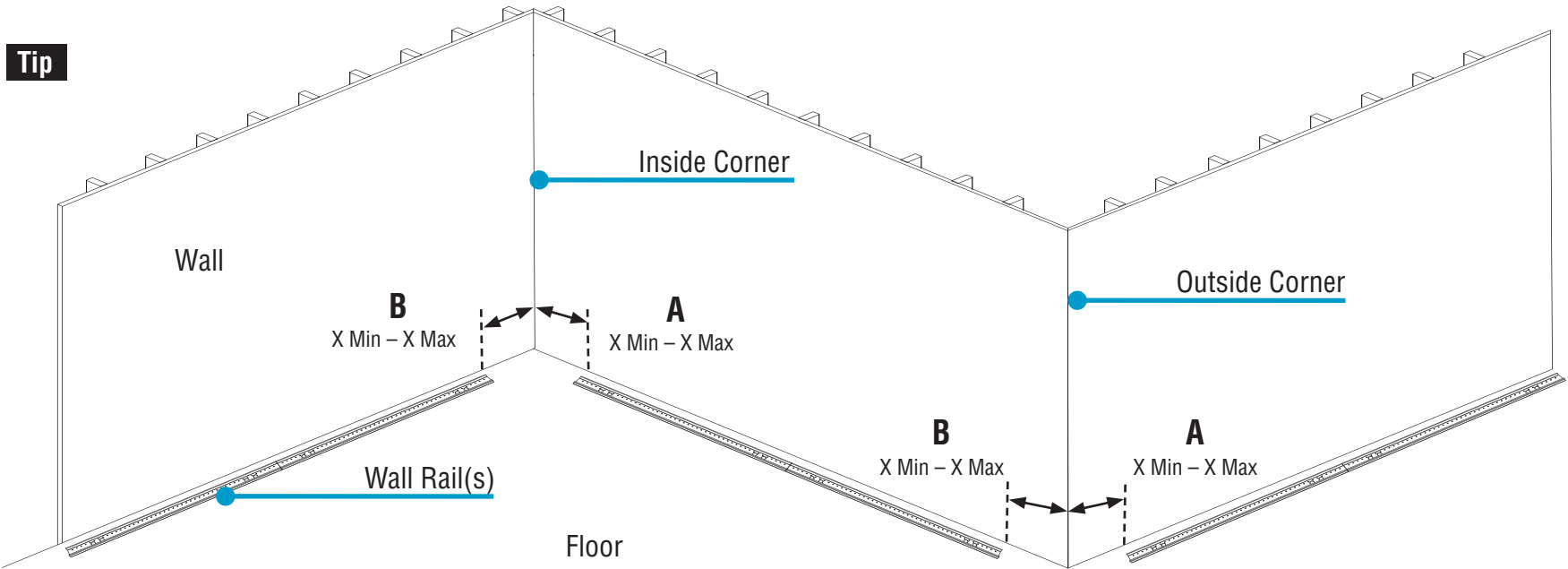
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This is a hypothetical build to show the capabilities of this luminaire family and mount type. Your build may vary. **Note:** All power connections to be installed to local/national codes by a Certified Electrician.

# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

## Step 1 - Wall Rail Mounting Location

Tip



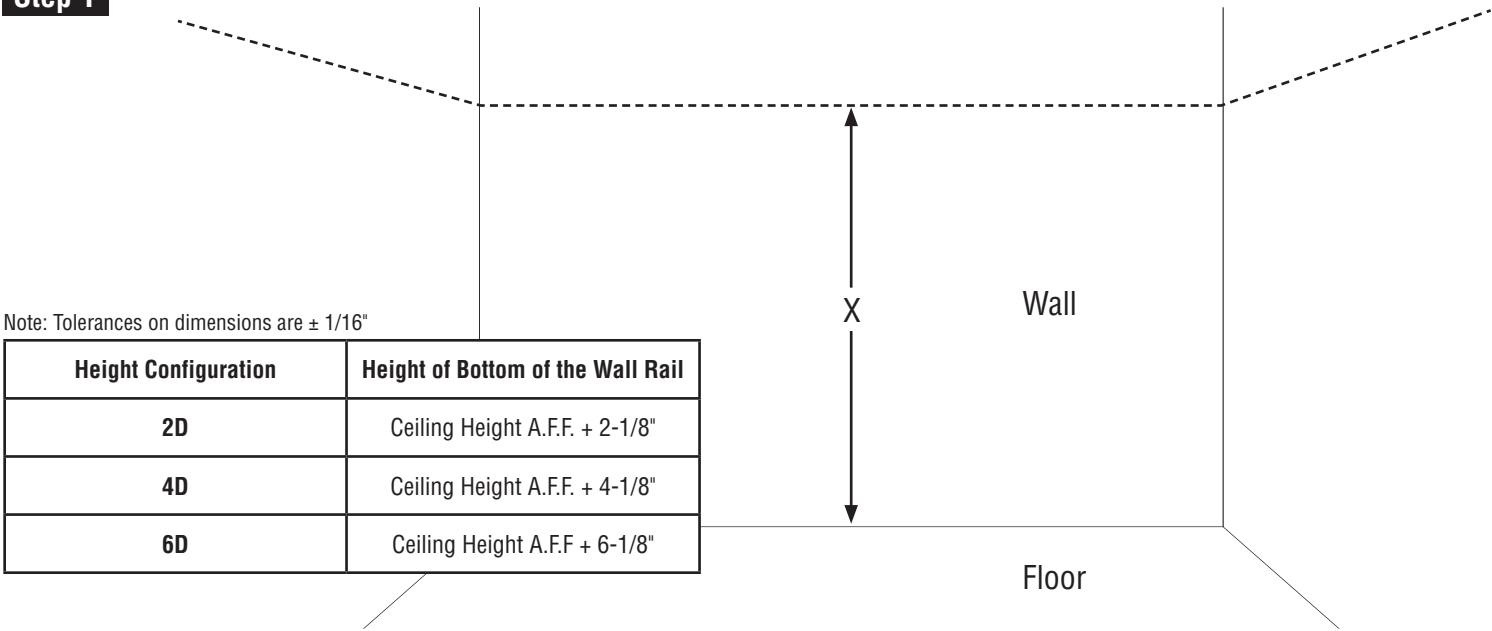
Distance between wall rail and nearest perpendicular wall.

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

Luminaire Width Configuration	Outside Corner: X Min – X Max = End of wall rail to wall	
	X Min	X Max
	4W	1"
6W	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.

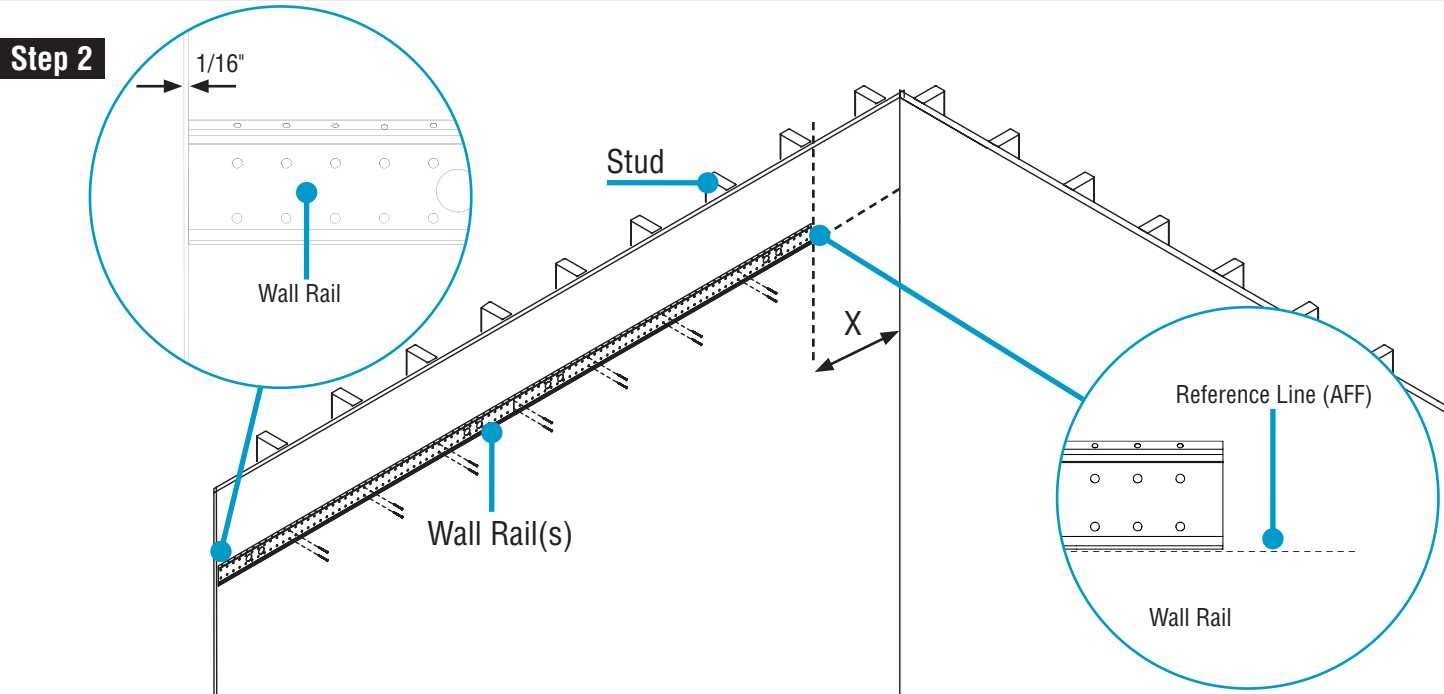
Step 1



Note: Tolerances on dimensions are ± 1/16"

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

Step 2



Install the wall rail(s), using appropriate #10 screws (by others) to wall studs. (Note: For X reference use chart above.)



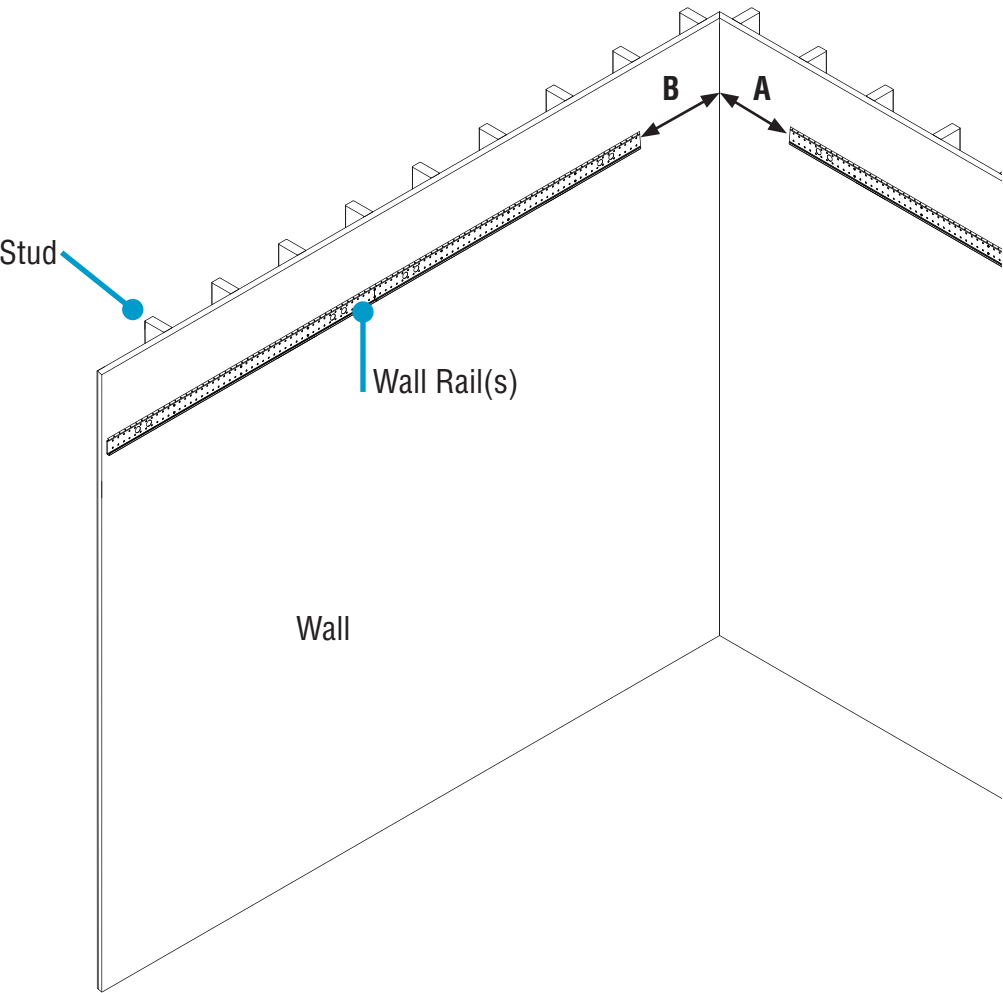
#10 Screws  
(by others)

CONTINUED

# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

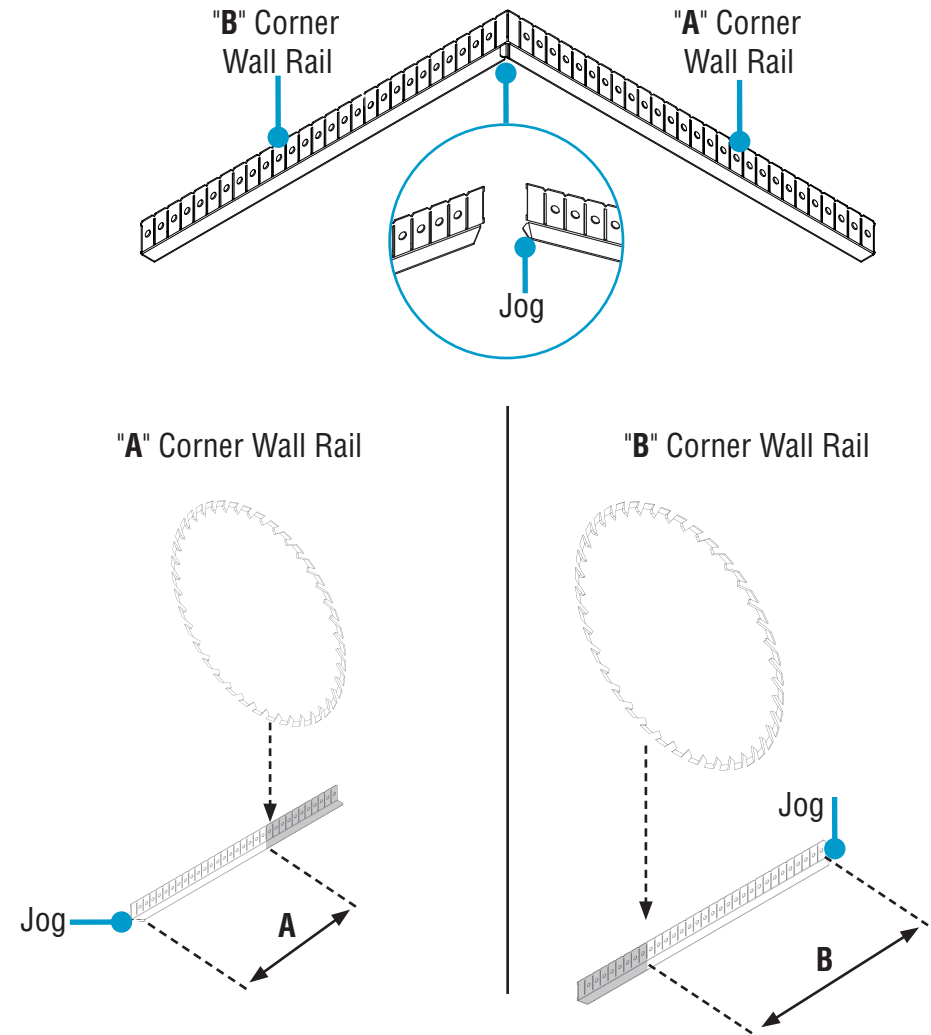
## Step 1 - Wall Rail Mounting Location

**Mounting**



Measure gaps **A** and **B** as indicated above.

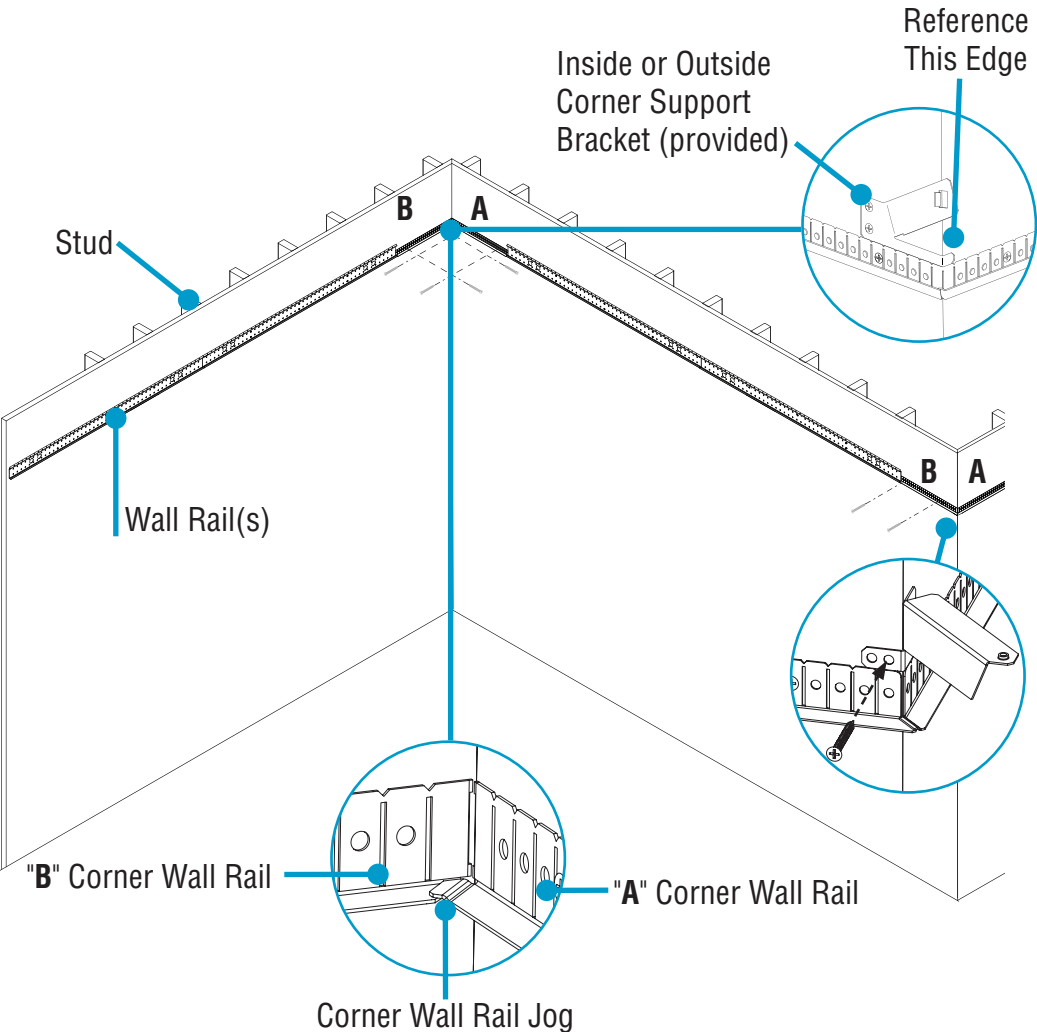
**Corner Wall Rail**



Separate the corner wall rail in half.

Using a chop saw (carbide tipped blade recommended) cut the "A" corner wall rail to length **A**, referencing the mitered end with a jog. Then cut the "B" corner wall rail to length **B**, referencing the mitered end. **Repeat steps 2 and 3 for all walls.**

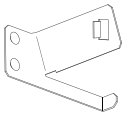
**Install Corner Wall Rails**



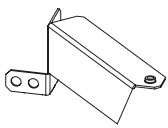
Install the corner wall rails using appropriate #10 screws (by others). Where the corner wall rails meet at a corner, make sure the "A" corner wall rail jog feature overlaps the "B" corner wall rail. Install the wall support corner bracket by sitting it on top of the corner wall rails and using appropriate #10 screws (by others) to attach it to the corner. **Repeat for all corners.**



#10 Screws  
(by others)



Inside Corner  
Support Bracket  
(provided)



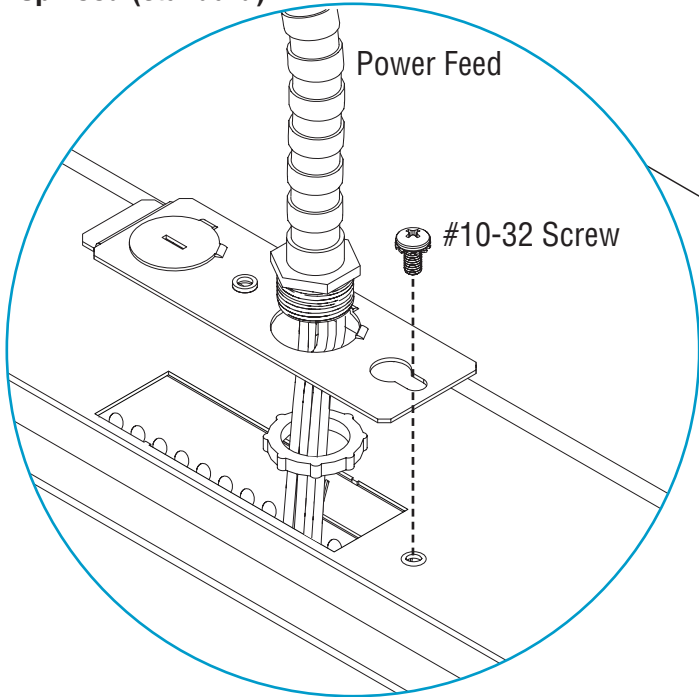
Outside Corner  
Support Bracket  
(provided)

**CONTINUED**

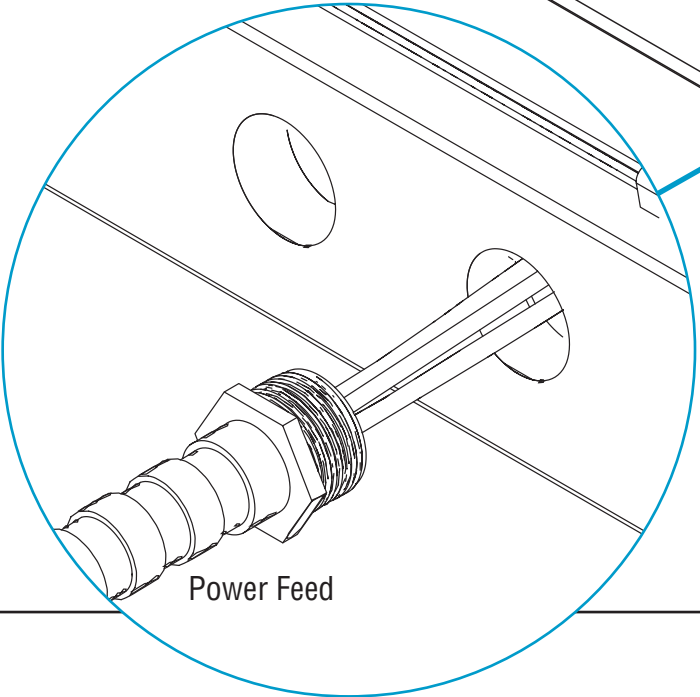
# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

## Step 2 - Feed Locations & Options

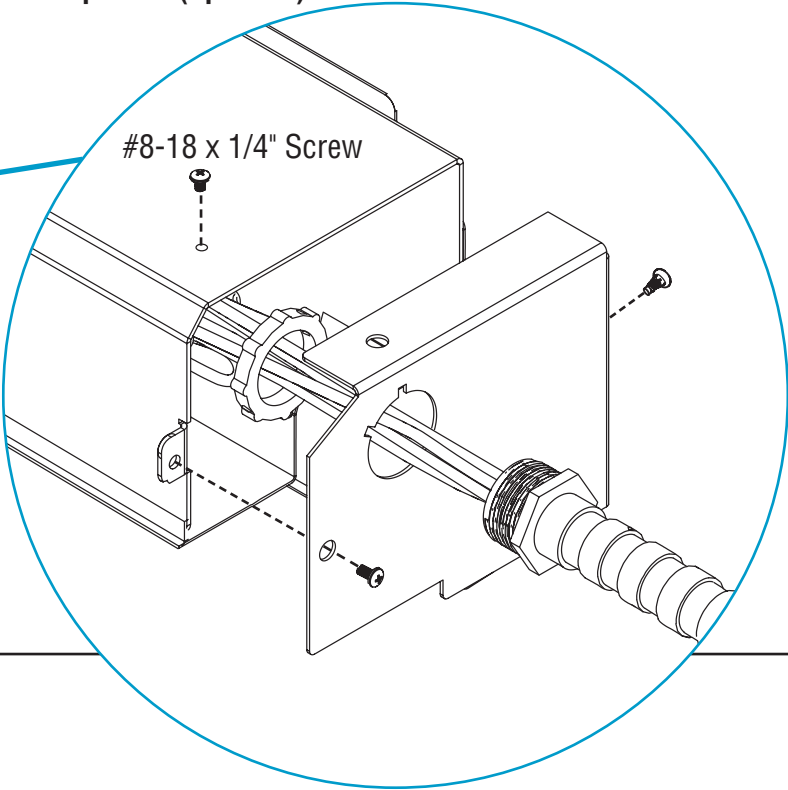
Top Feed (standard)





Wall Feed (optional)



Endcap Feed (optional)



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

 #10-32 Screw  
(provided)

CONTINUED



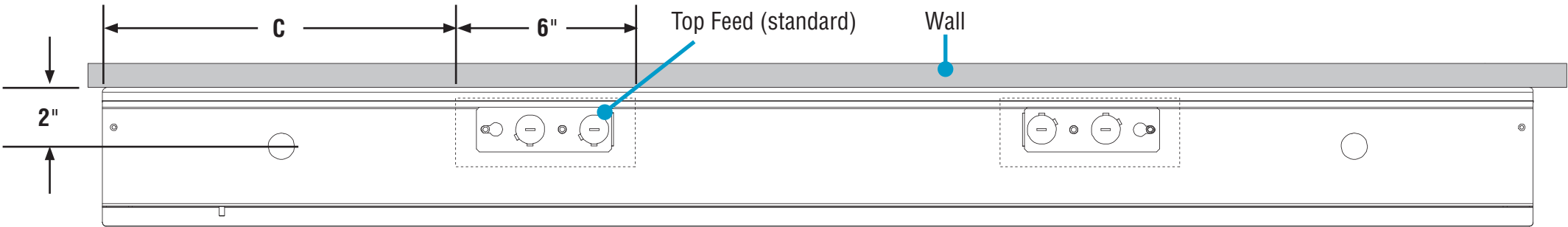
# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

## Step 2 - Feed Locations & Options

Top Feed

Top View

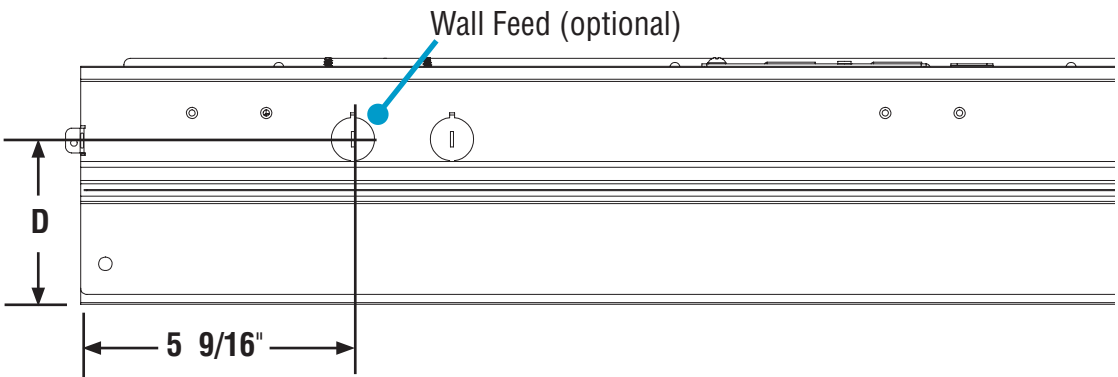
Luminaire Length	C (in)
2'	5
3'	5
4'	12
6'	12



**Top Feed Location (standard)**  
Use chart above to find measurement of **C** for feed location

Wall Feed

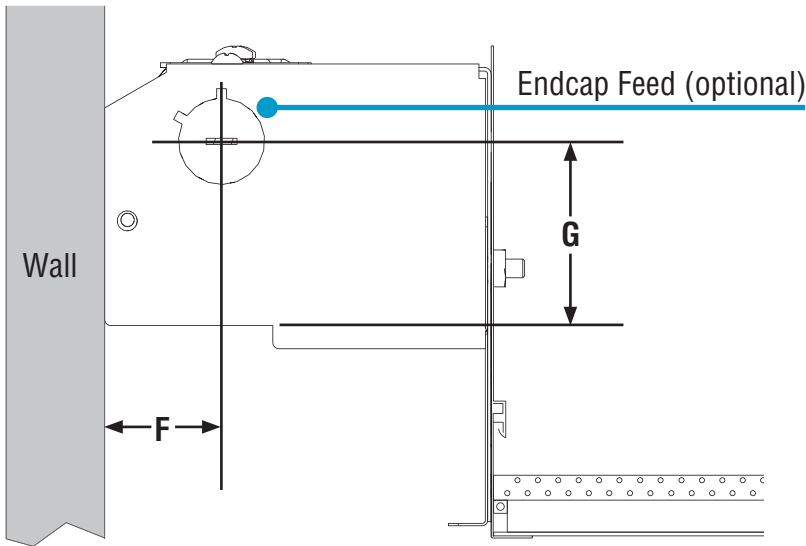
Back View



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

Endcap Feed

Side View

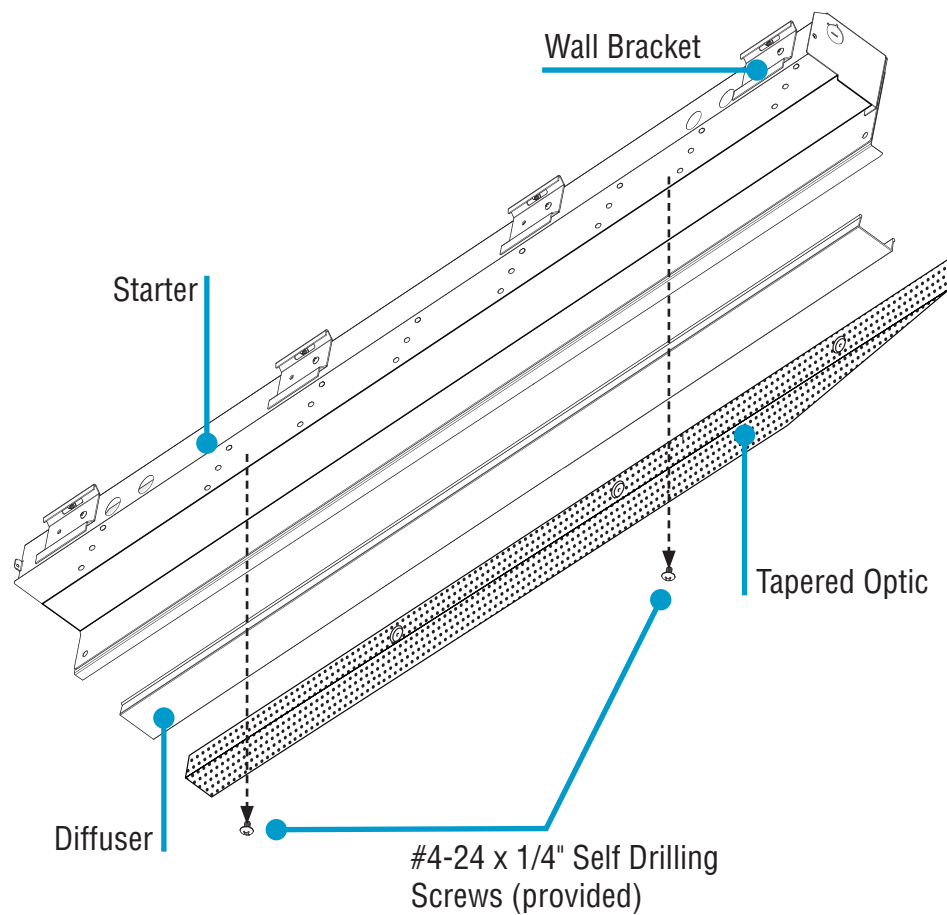


Endcap Size	F (in)	G (in)
4"	1-3/16	1-7/8
6"	2	1-7/8

# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

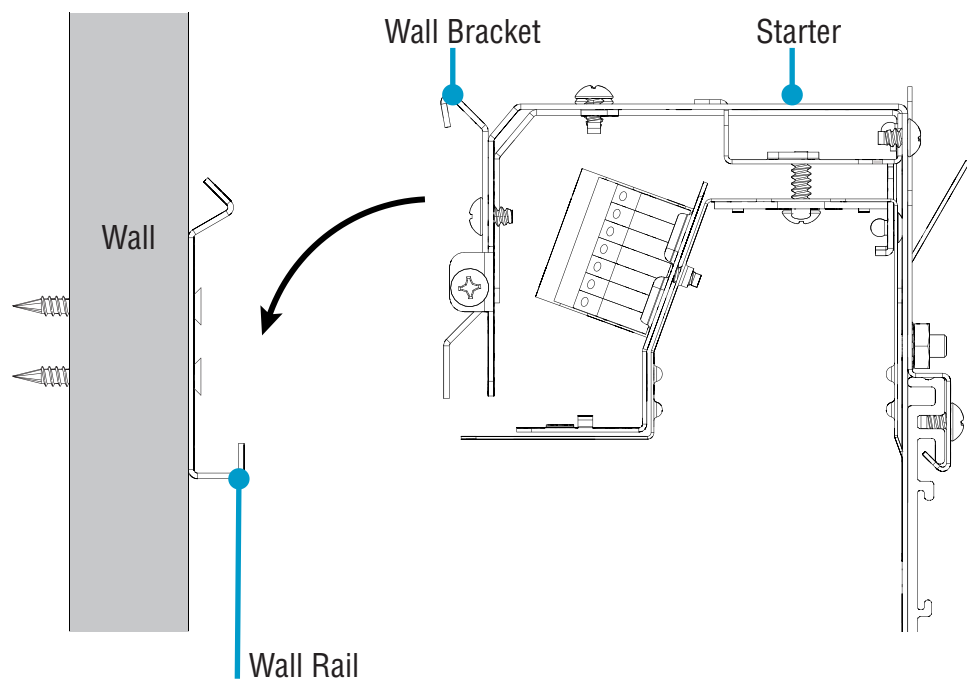
## Step 3 - Starter Luminaire

### 1. Remove Tapered Optic & Diffuser Bottom-Up View



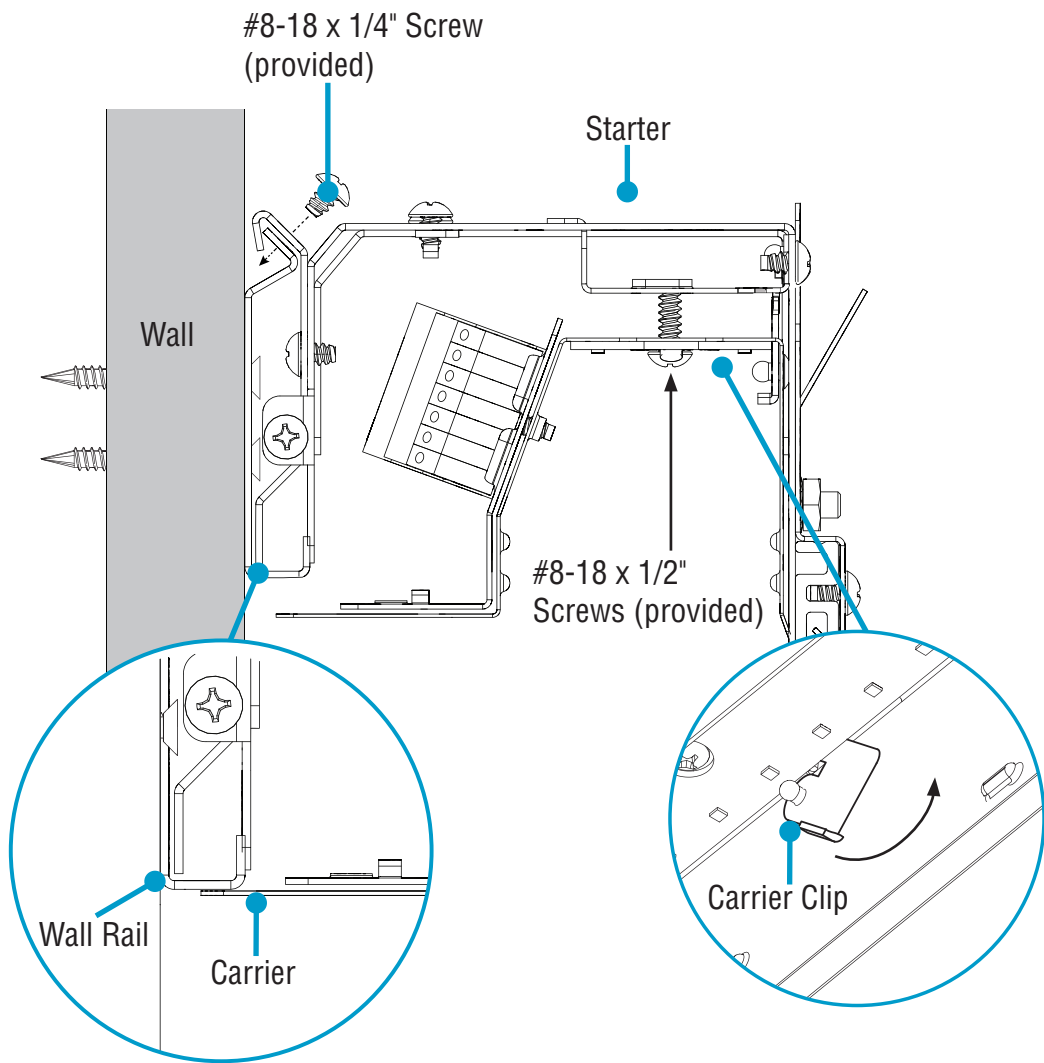
If tapered optic is included, remove the two #4-24 x 1/4" self drilling screws (provided) from starter luminaire. Then remove the diffuser from the starter luminaire and set it aside to keep it from getting dirty or damaged. If part of a longer run, diffuser will be reinstalled back into original luminaire.

### 2. 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 rail clips grab the top of the wall rail.


### 3. Mounting on the Wall Rail Side View



On the starter luminaire, tighten the #8-18 x 1/2" screws (provided) that goes 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 (provided) going through the wall rail clips. Secure all carrier clips by rotating them 90° degrees counter-clockwise.

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

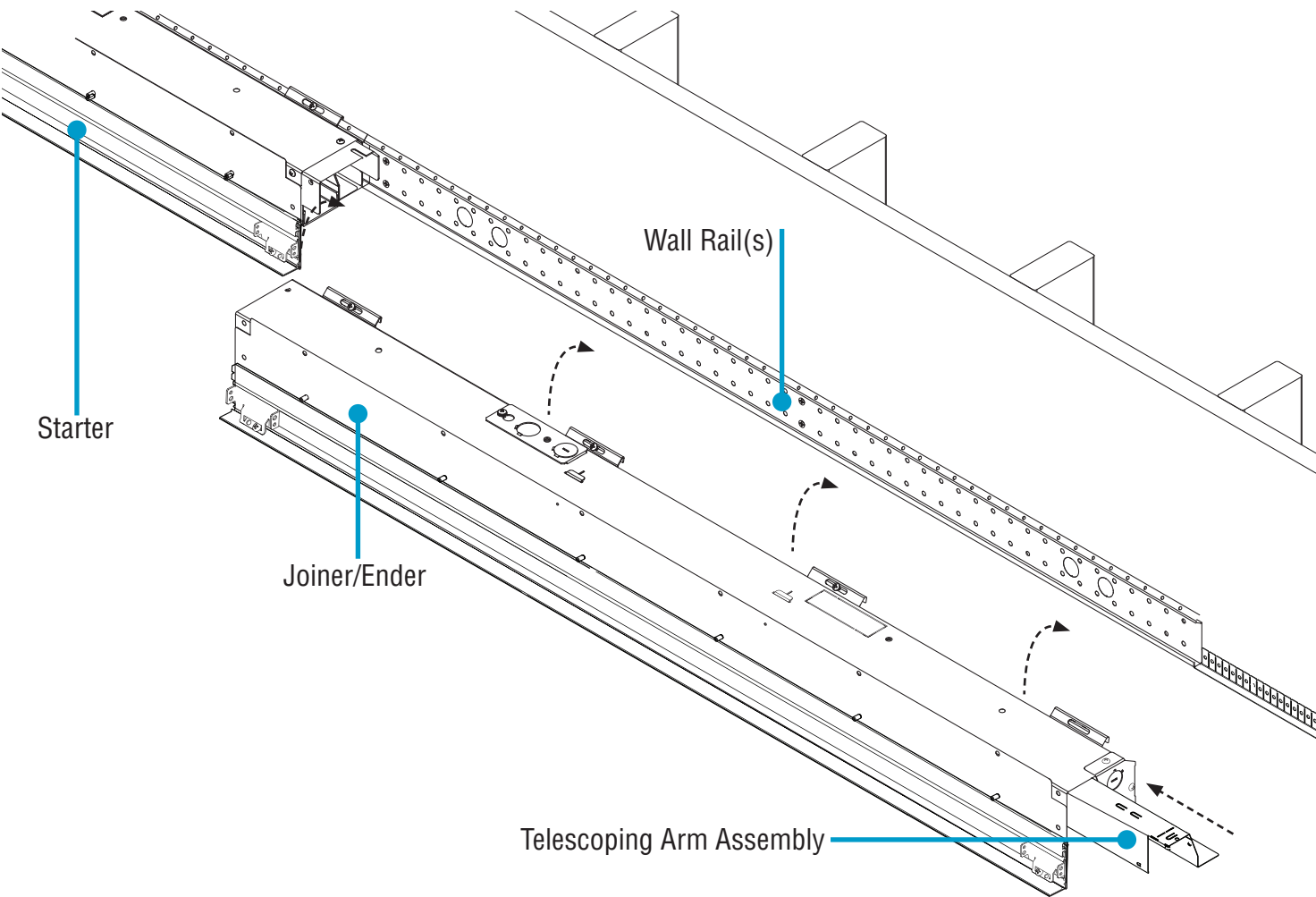
 #8-18 x 1/4" Screws (provided)

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

# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

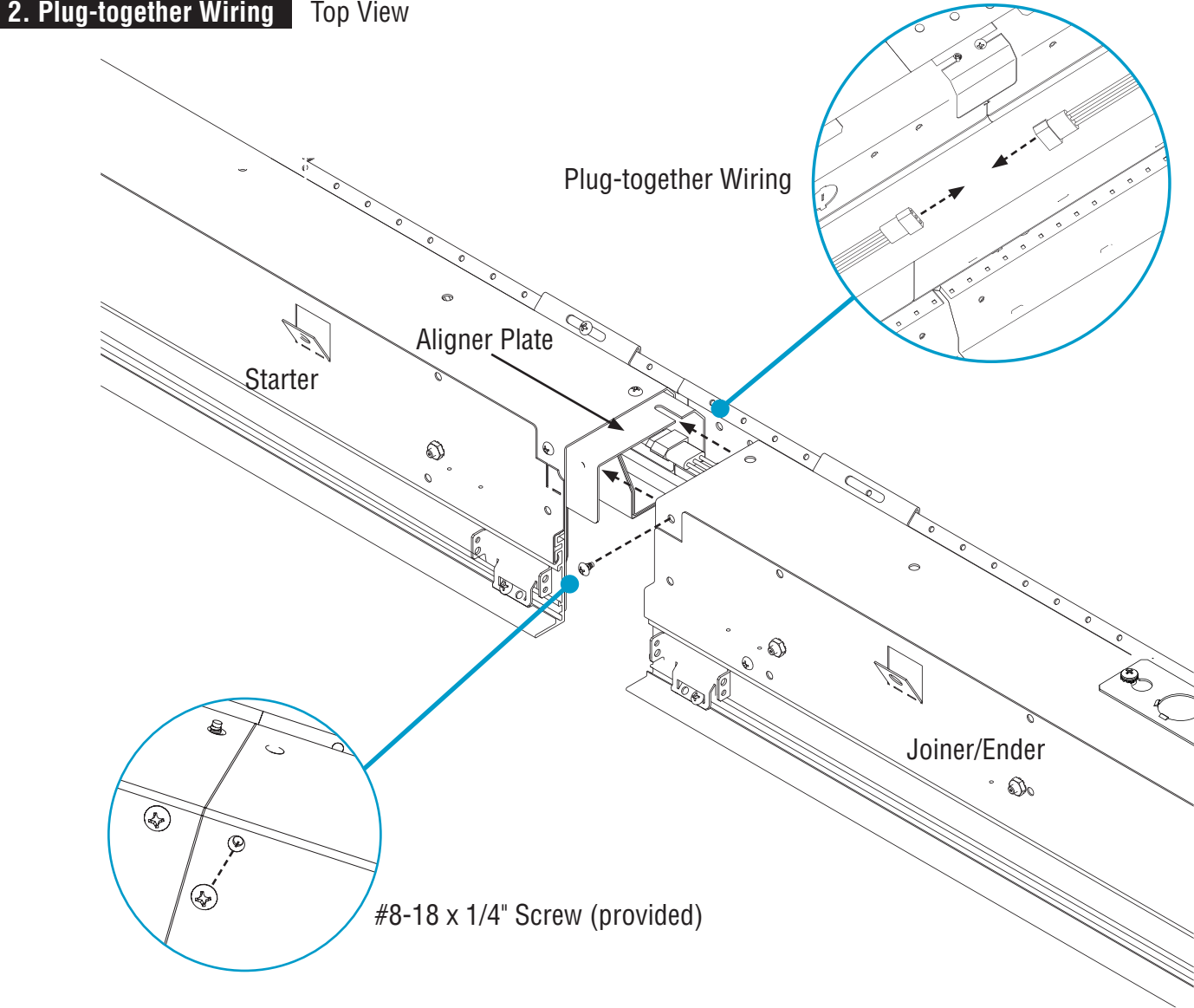
## Step 4 - Joining Luminaires

### 1. 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 rail clips grabs the top of the wall rail.

### 2. 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 (provided).

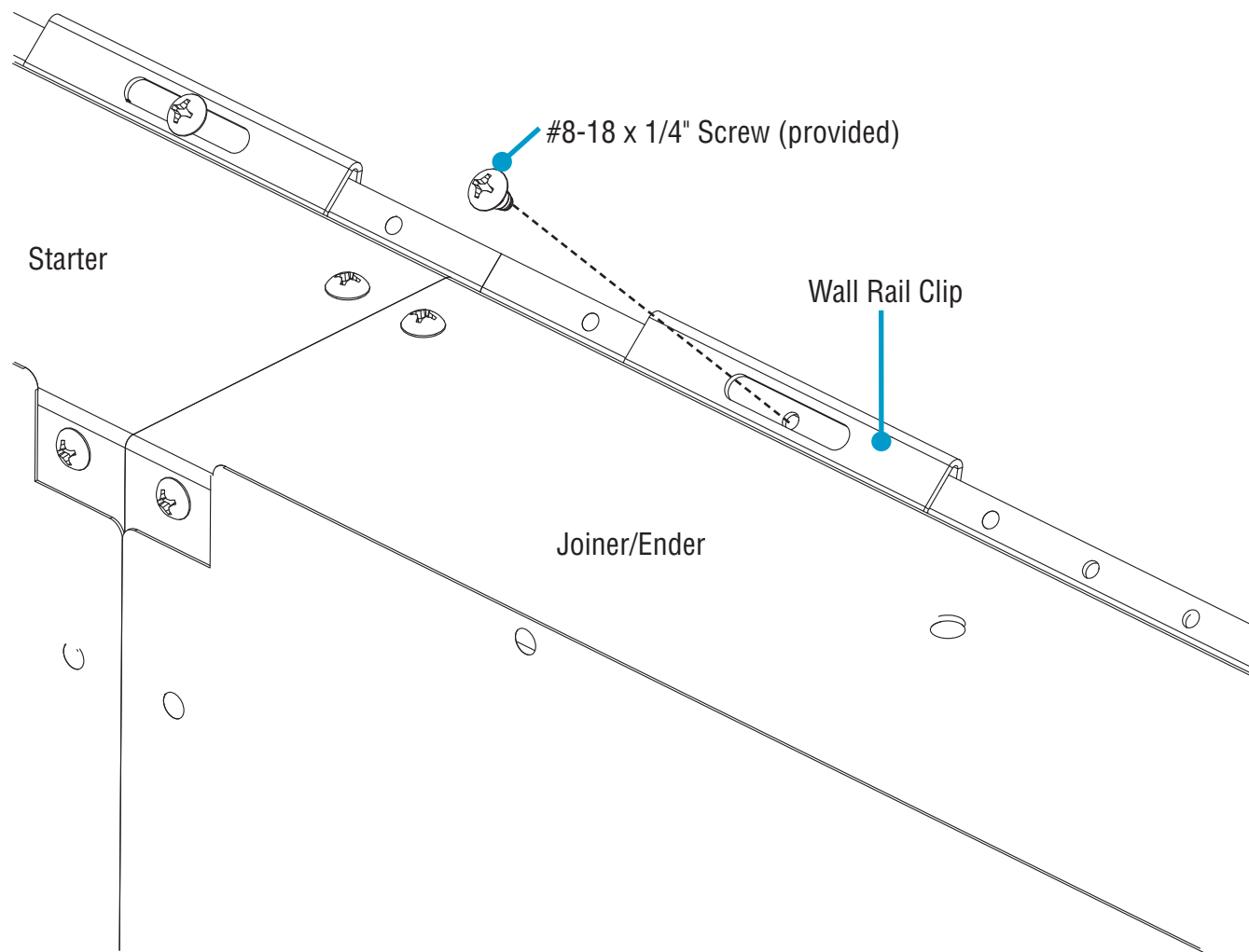
 #8-18 x 1/4" Screw  
(provided)

CONTINUED

# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

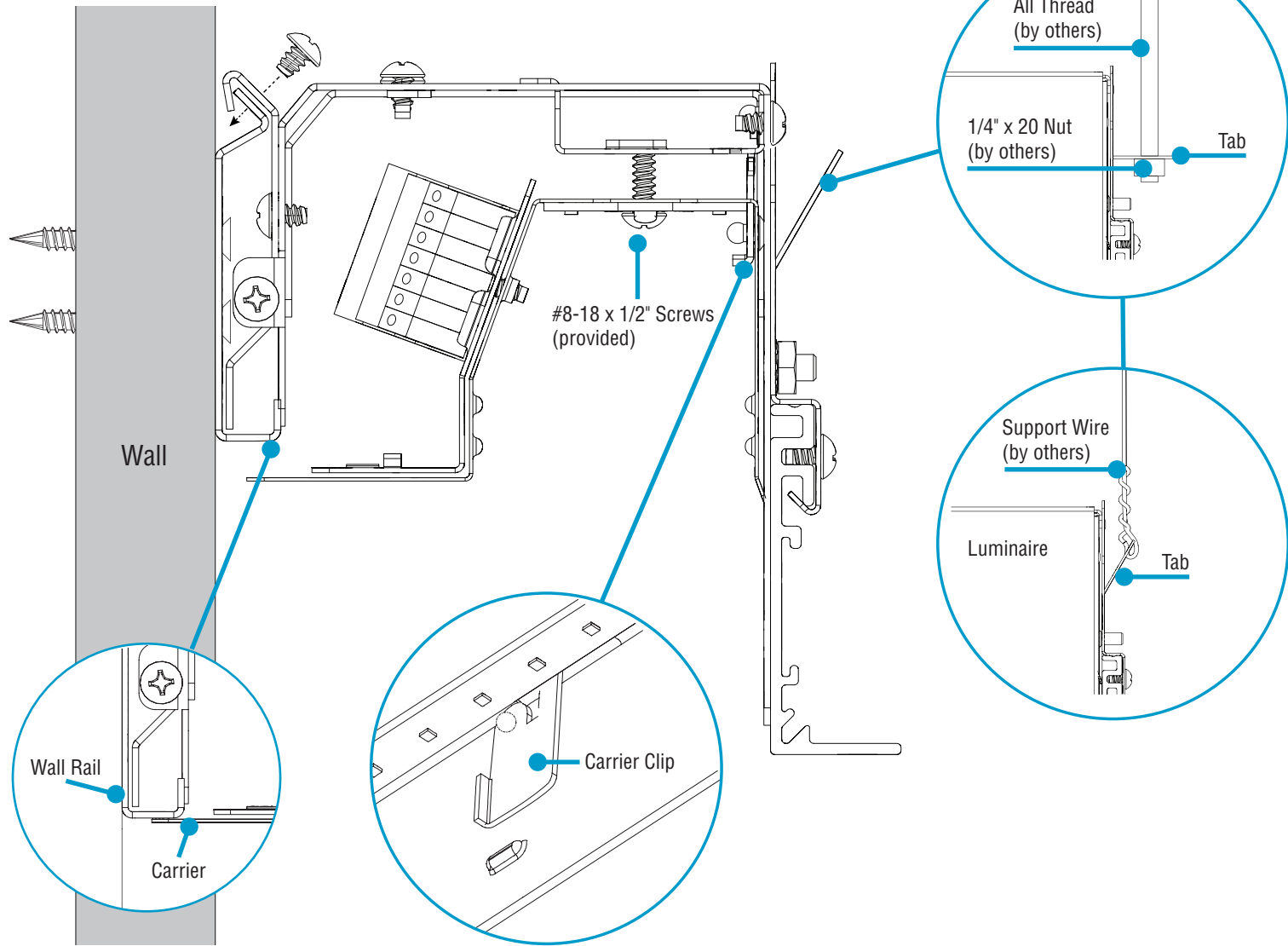
## Step 4 - Joining Luminaires

### 3. Secure Joiner/Ender Top View





Secure the joiner/ender luminaire to the wall rail with #8-18 x 1/4" screws (provided) going through the wall rail clips.  
**Repeat steps 4 if you have a long run with more luminaires on the same wall. Repeat step 3 for the next wall.**

### 4. Secure the Carrier Assembly Side View



On all mounted luminaires, tighten the #8-18 x 1/2" screws (provided) 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. Secure the starter luminaire to structure by using tie-wire ore 1/4"-20 all-thread on all support tabs.

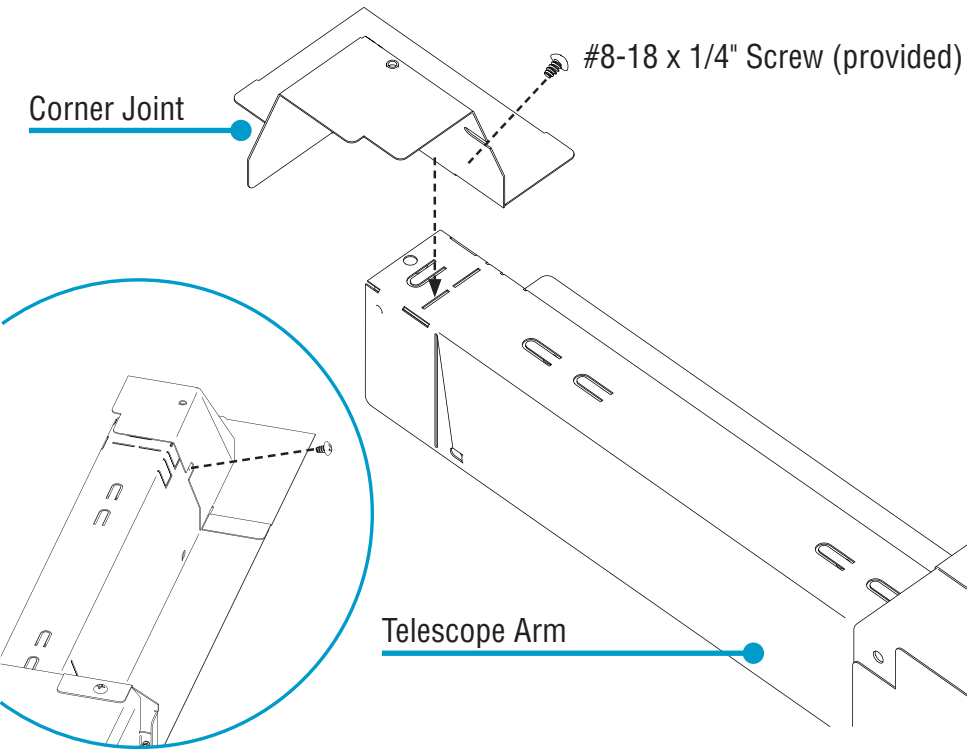
 #8-18 x 1/4" Screw  
(provided)

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

# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

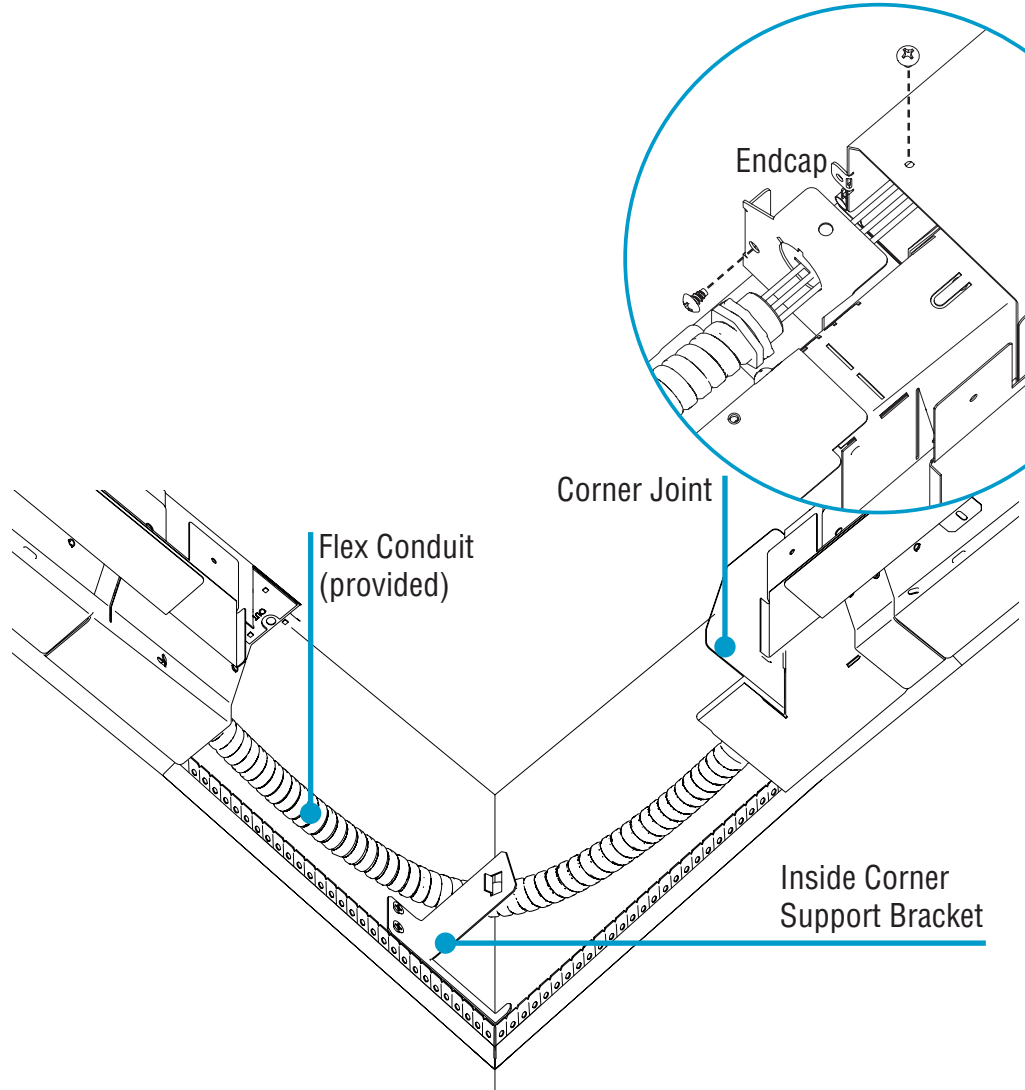
## Step 5A - Inside Corner

### 1. Connect Corner Joint Top-Down View



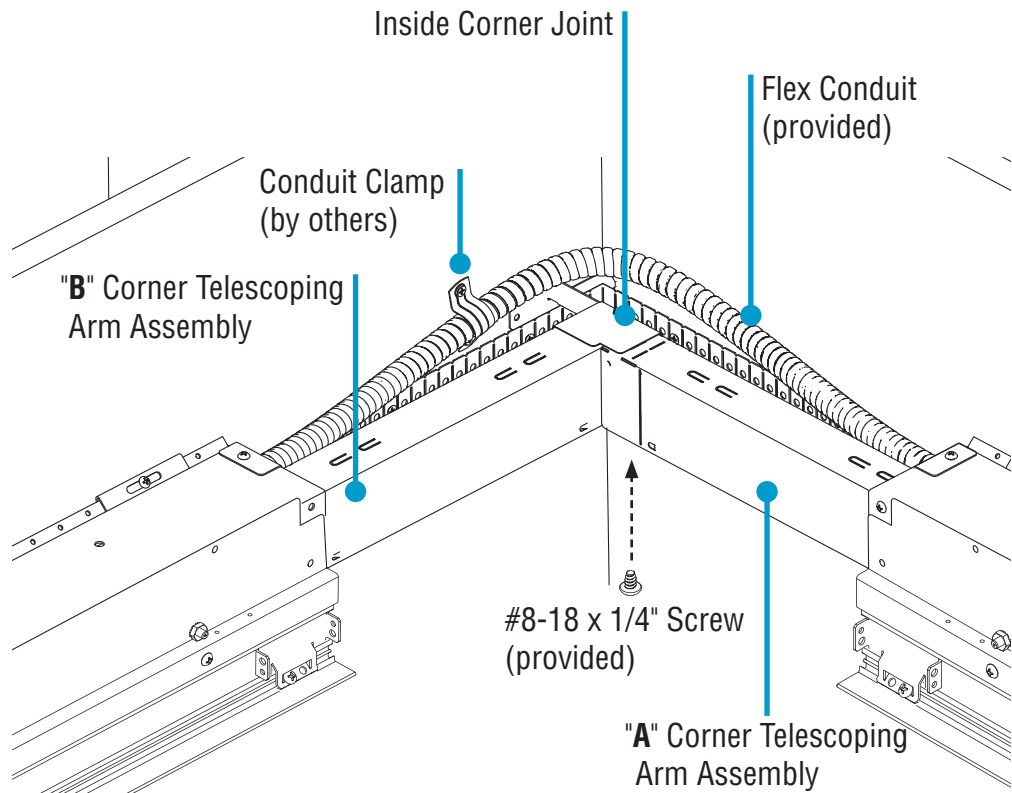
Connect the corner joint to the right telescope arm using a #8-18 x 1/4" screw (provided).

### 2. 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 telescope endcap 2x #8-18 x1/4" screws (provided) for access.

### 3. 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 (provided). Connect wiring from both luminaire ends to the flex conduit. Then, extend the telescoping arm assembly from the luminaire on the "A" corner up until it meets the wall support corner bracket. Extend the telescoping arm assembly from the luminaire on the "B" corner so it aligns with the inside corner joint as shown. Pin the telescoping arms together from below the luminaire using a #8-18 x 1/4" screw (provided).

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

 Wall Support Corner Bracket (provided)

 Flex Conduit (by others)

 Conduit Clamp (by others)

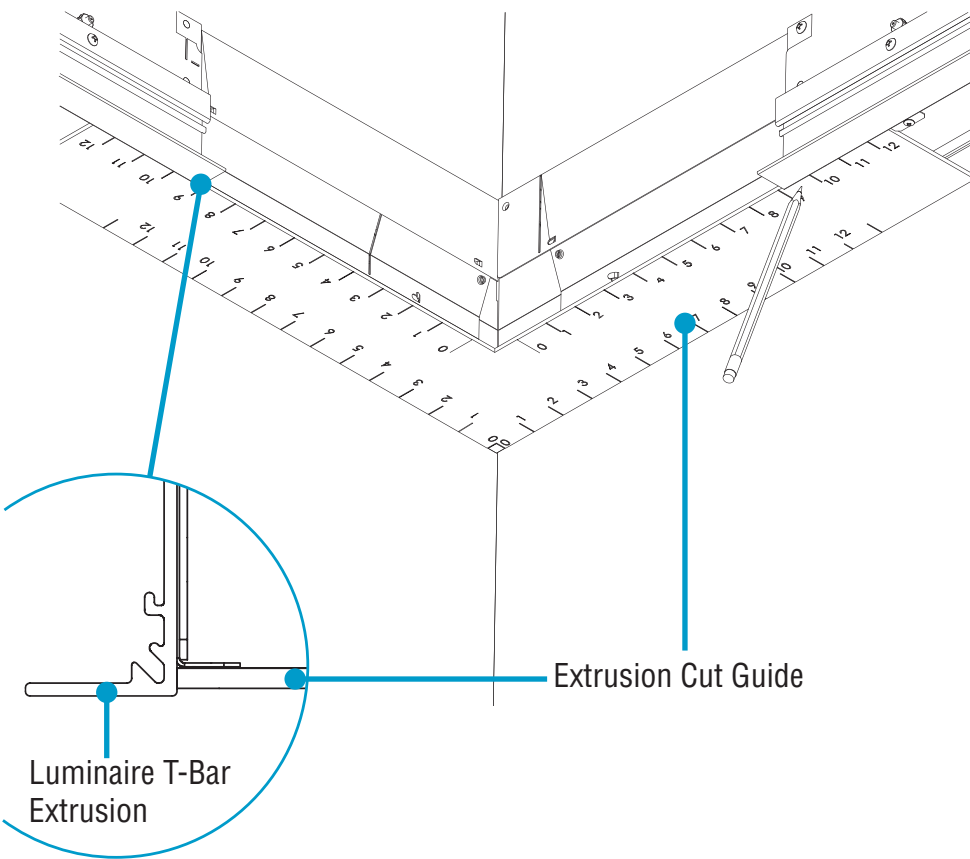
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# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

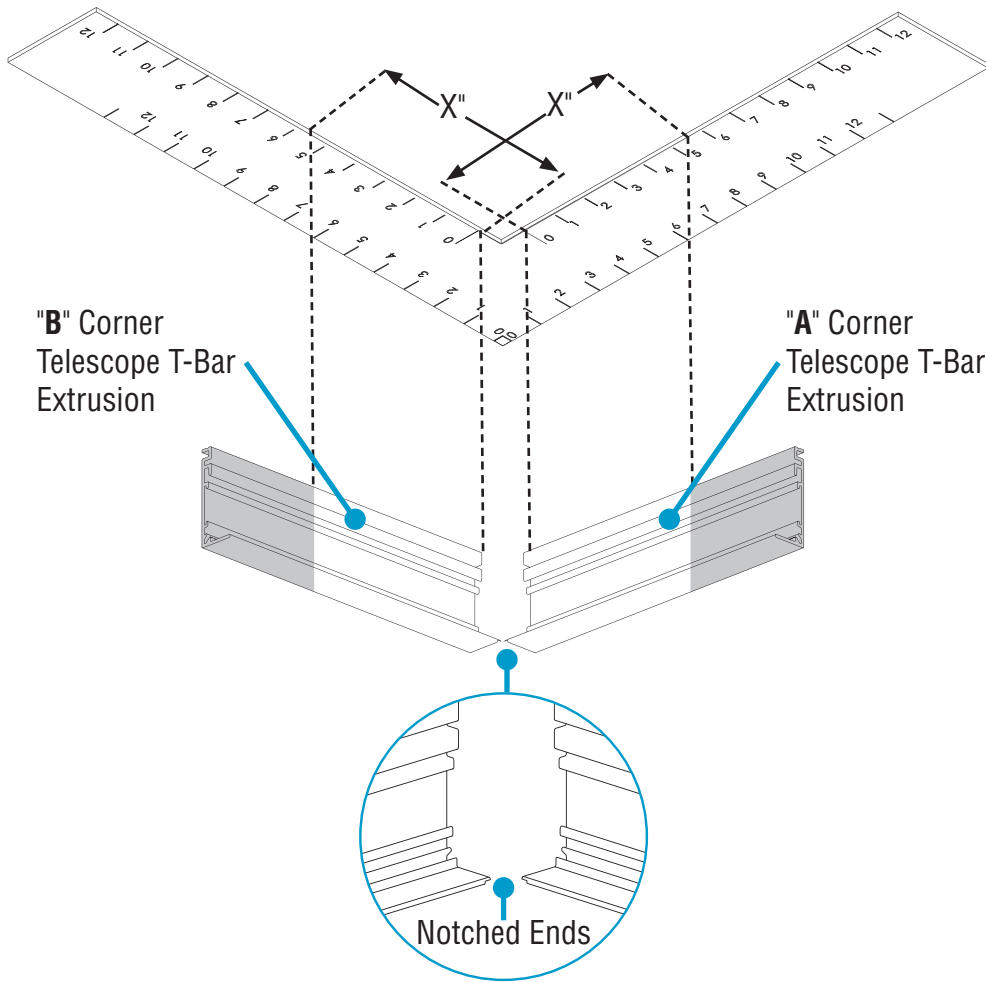
## Step 5A - Inside Corner

### 4. Extrusion Cut Guide Bottom-Up View



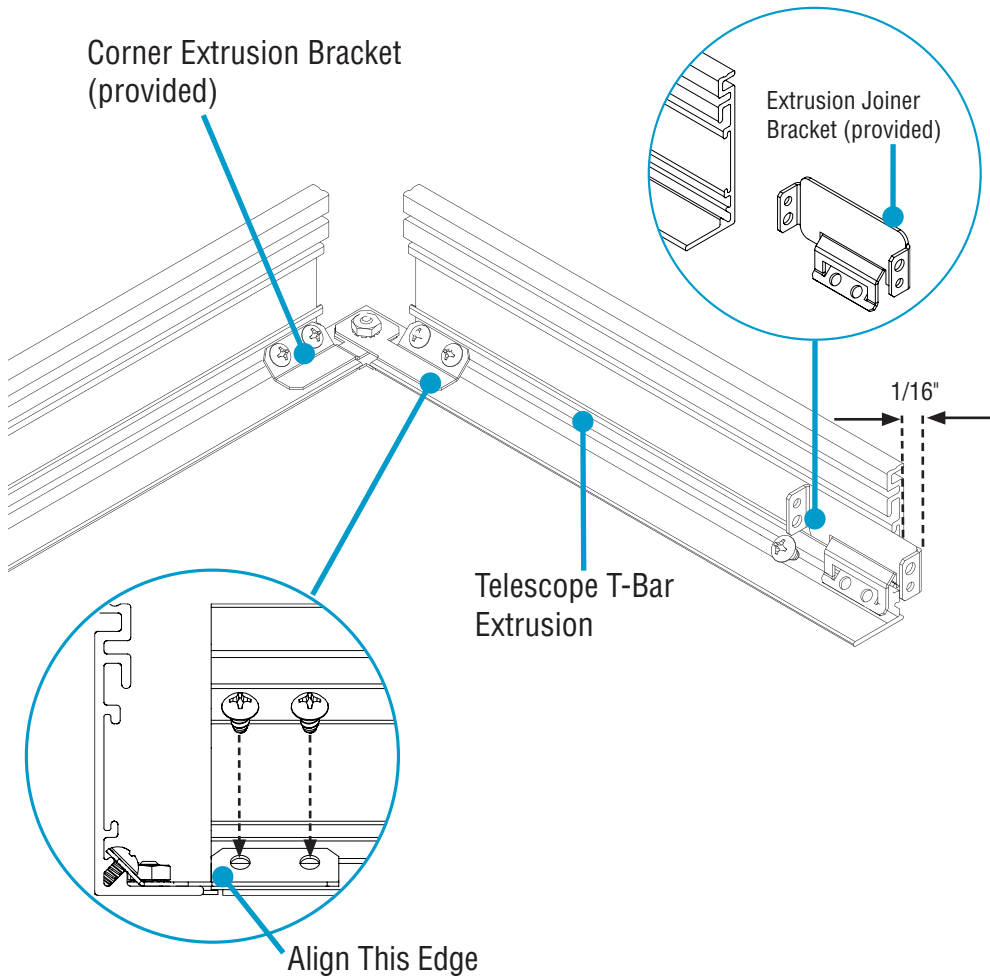
Use the extrusion cut guide by placing it on the inner-side of the luminaire T-Bar extrusion just above the T-Bar flange. Mark where the extrusion ends for both sides.

### 5. Cut Telescope T-Bar Extrusion to Length

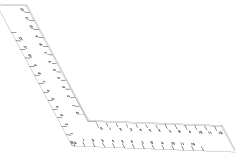


Use the measurements found in the previous step to cut the telescope T-Bar extrusions to length.

### 6. Telescope T-Bar Extrusion Subassembly Top-Down View



Make sure the corner extrusion bracket is fastened to both pieces of the telescope T-Bar extrusion by lining up the bracket to the edge of the extrusion. Fasten using #8-18 x 1/4" screws (provided). Slide the extrusion joiner bracket into the telescope T-Bar extrusion as shown. Pin with #8-18 x 1/4" screws (provided). Make sure to leave a 1/16" gap from the extrusion joiner bracket to the end of the telescope T-Bar extrusion.



Extrusion Cut Guide  
(provided)



Corner Telescope T-Bar  
Extrusion  
(provided)



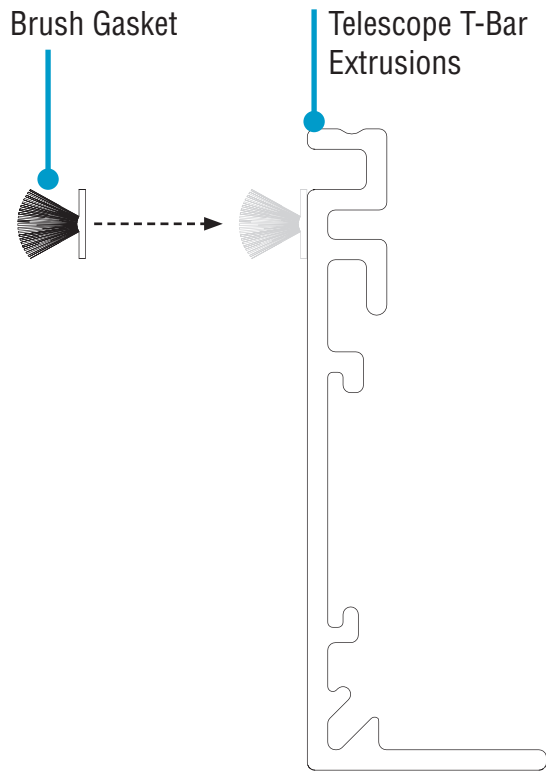
#8-18 x 1/4" Screw  
(provided)

# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

## Step 5A - Inside Corner

### 7. Brush Gasket Installation - 2" Depth

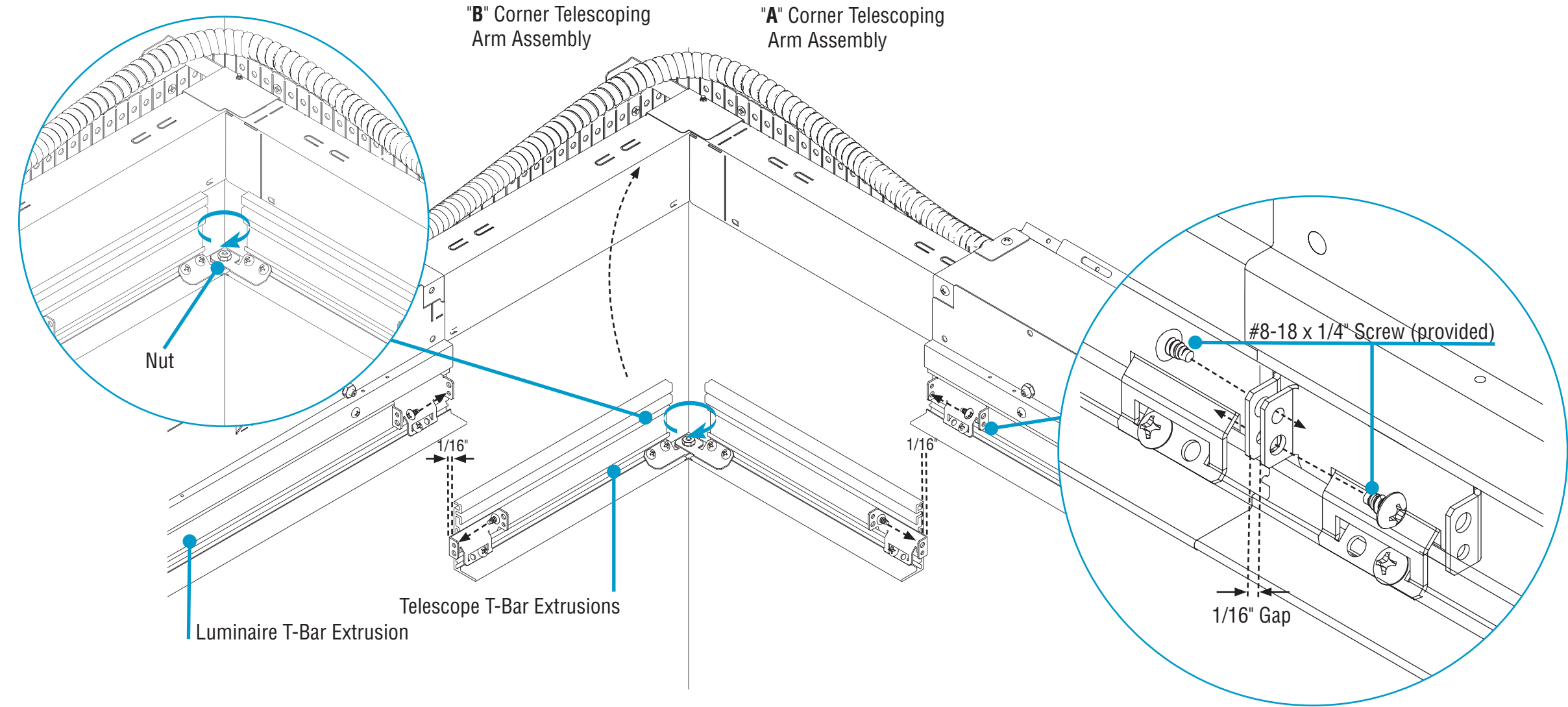
**!** Luminaire with 2" depth - brush gasket install on extrusion bracket only



Remove adhesive backing from brush gasket to expose the adhesive. Attach brush gasket to the top of the telescope T-Bar extrusions, near the open channel as shown above.

### 8. Attach Telescope T-Bar Extrusion

Top-Down View



Join the telescope T-Bar extrusions to the luminaire T-Bar extrusions using #8-18 x 1/4" screws (provided) to pull together the adjacent extrusion joiner brackets. Leave a 1/16" gap between the two extrusion joiner brackets. Tighten nut to solidify telescope T-Bar extrusion corner joint.

CONTINUED



Brush Gasket  
(provided)



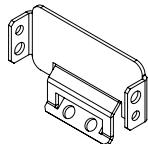
Nut  
(provided)



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



Corner Telescope T-Bar  
Extrusion  
(provided)



Extrusion Joiner Bracket  
(provided)

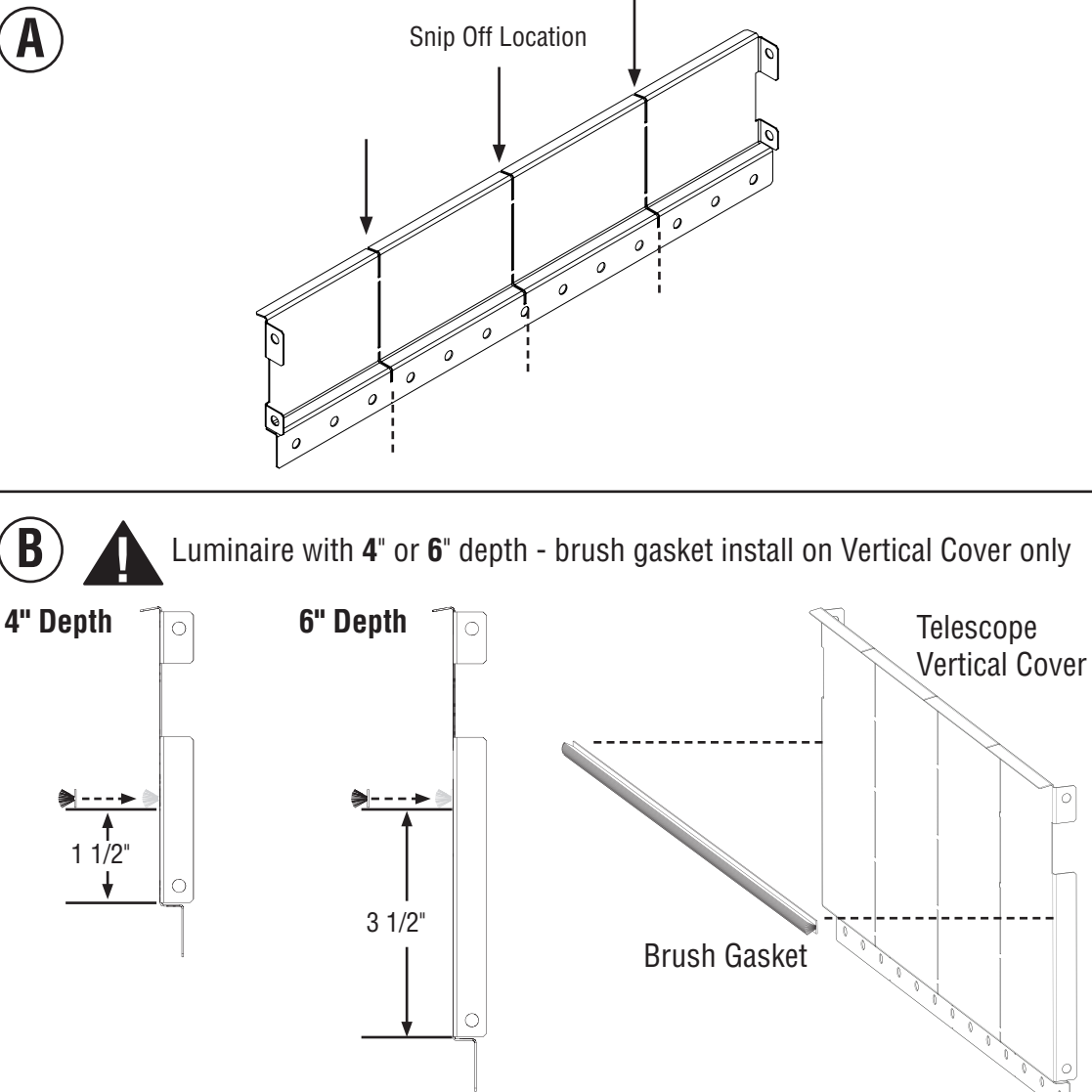
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**Note:** All power connections to be installed to local/national codes by a Certified Electrician.

# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

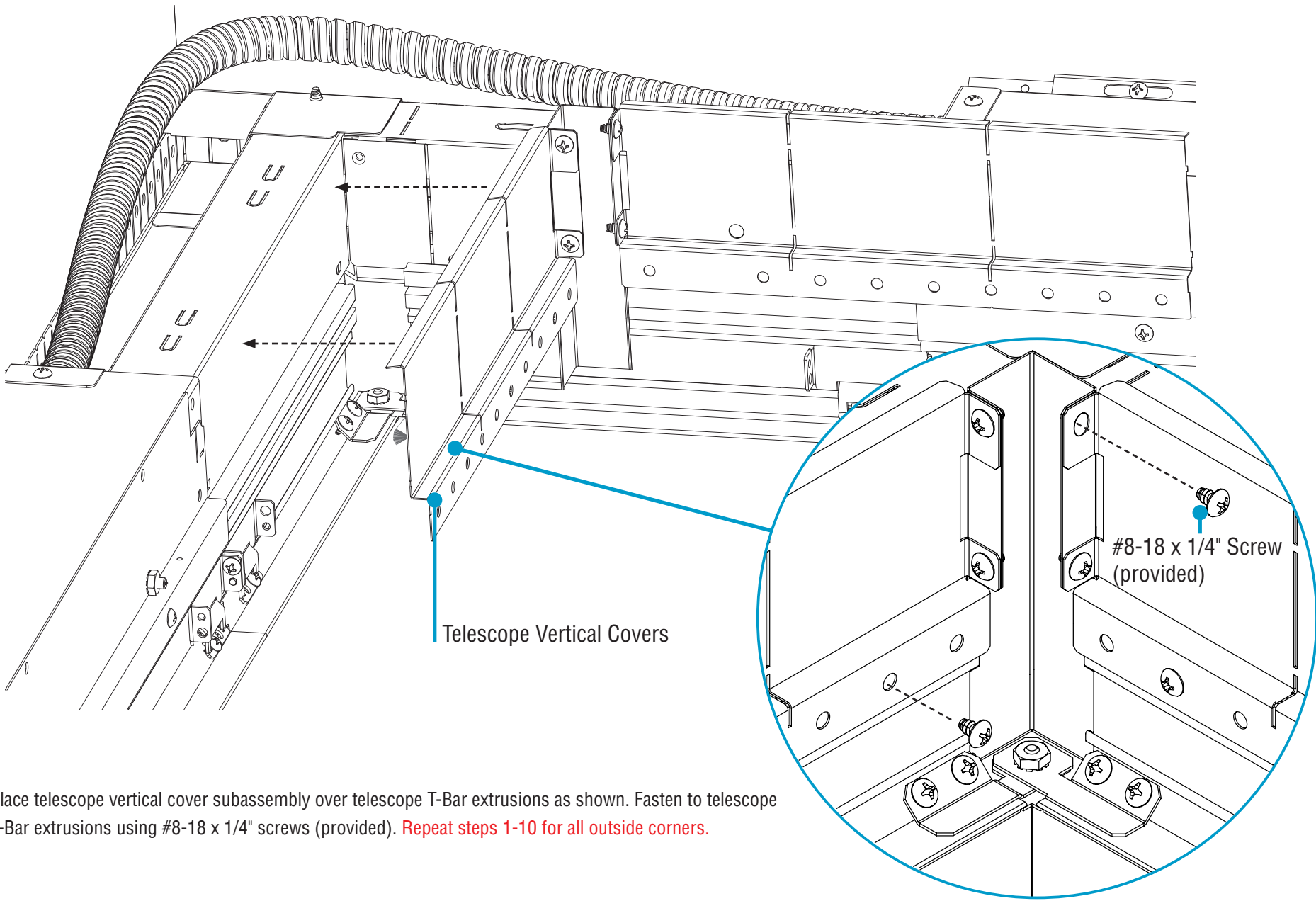
## Step 5A - Inside Corner

### 9. Vertical Cover & Brush Gasket Installation - 4" or 6" Depth



- A.** If necessary, snip off perforated sections of the vertical cover.
- B.** Remove adhesive backing from brush gasket to expose the adhesive. Attach brush gasket to telescope vertical cover, according to above measurements.

### 10. Secure Telescope Vertical Covers to Joiner and Enders Top View



Place telescope vertical cover subassembly over telescope T-Bar extrusions as shown. Fasten to telescope T-Bar extrusions using #8-18 x 1/4" screws (provided). **Repeat steps 1-10 for all outside corners.**



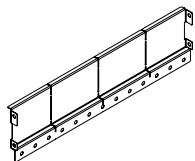
Brush Gasket  
(provided)



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



Inside Telescope Vertical  
Cover Joiner Bracket  
(provided)



Telescope Vertical Cover  
(provided)

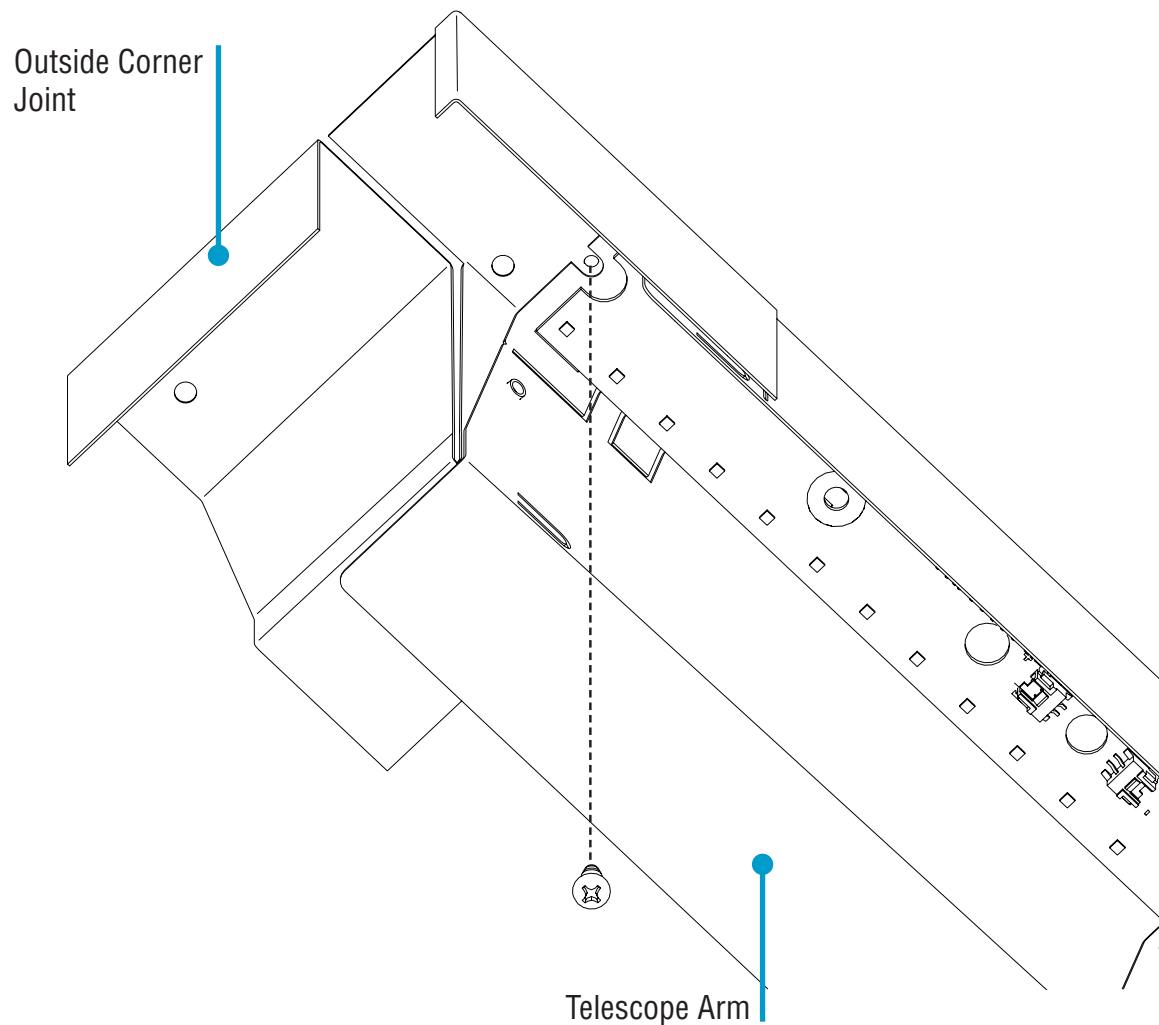
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# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

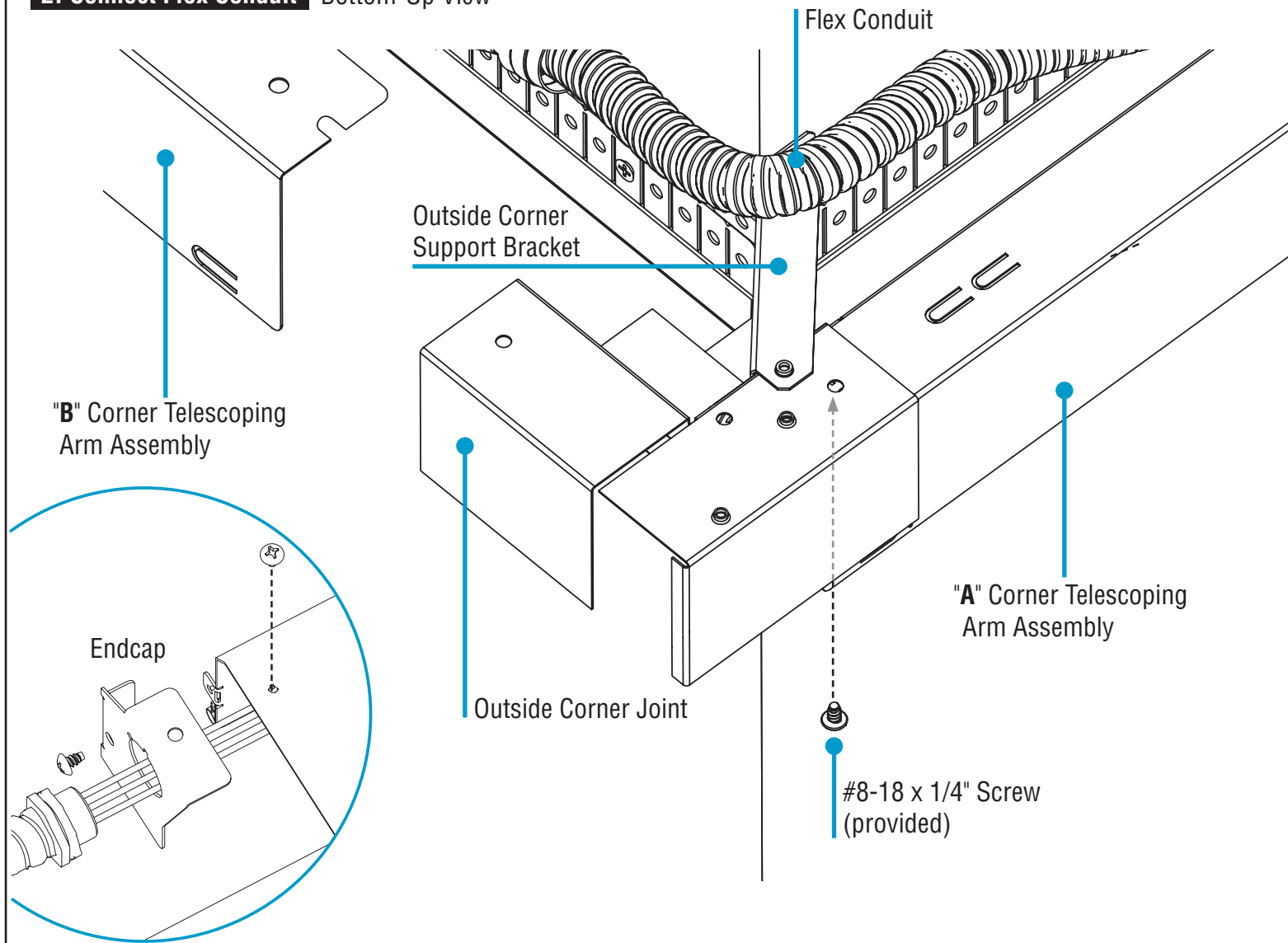
## Step 5B - Outside Corner

### 1. Connect Corner Joint Bottom-Up View




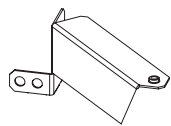
Connect the corner joint to the right telescope arm using a #8-18 x 1/4" screw (provided).

### 2. 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 telescope endcap 2x #8-18 x1/4" screws (provided) for access. Extend the telescoping arm assembly from the "A" corner luminaire until you have room to attach the outside corner joint. Pin the outside corner joint to the "A" corner telescoping arm assembly with a #8-18 x 1/4" screw (provided). Then, extend the telescoping arm assembly from the "B" corner luminaire so it aligns with the outside corner joint as shown.

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



Outside Corner  
Support Bracket  
(provided)

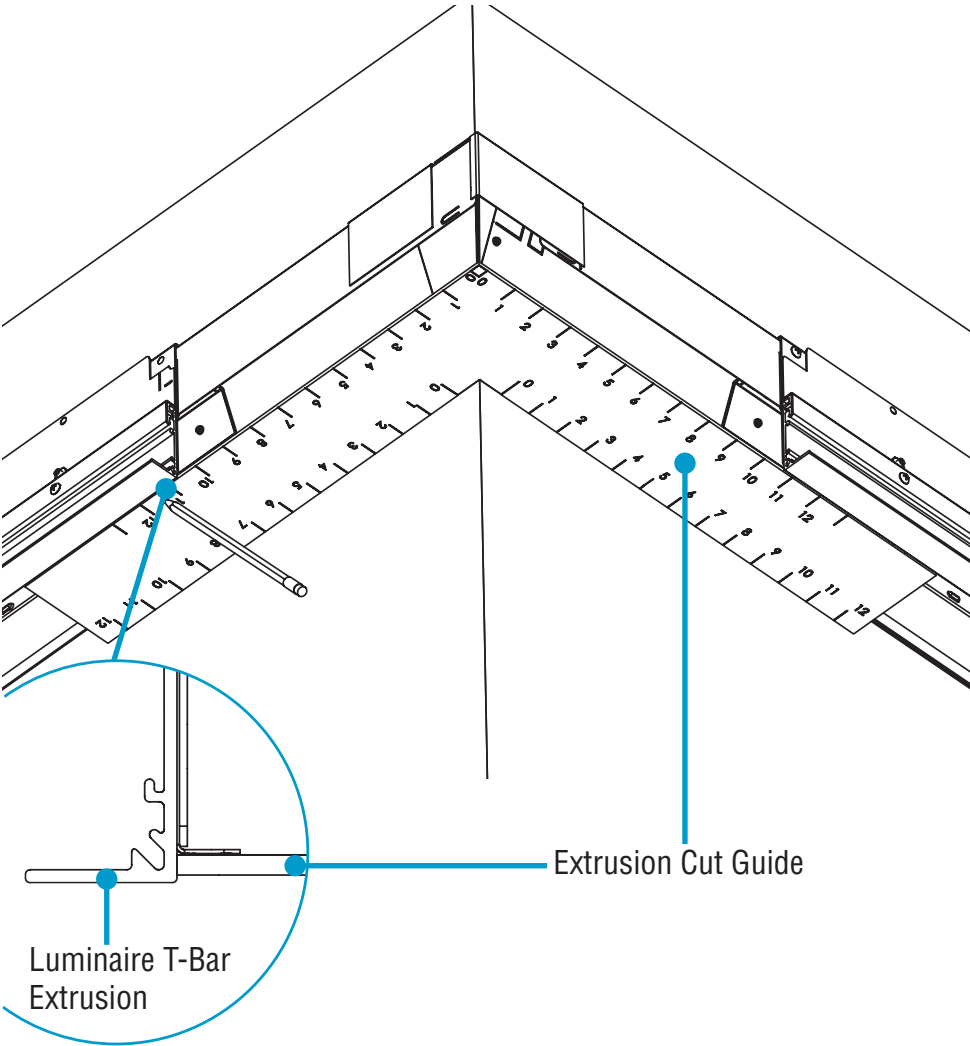
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# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

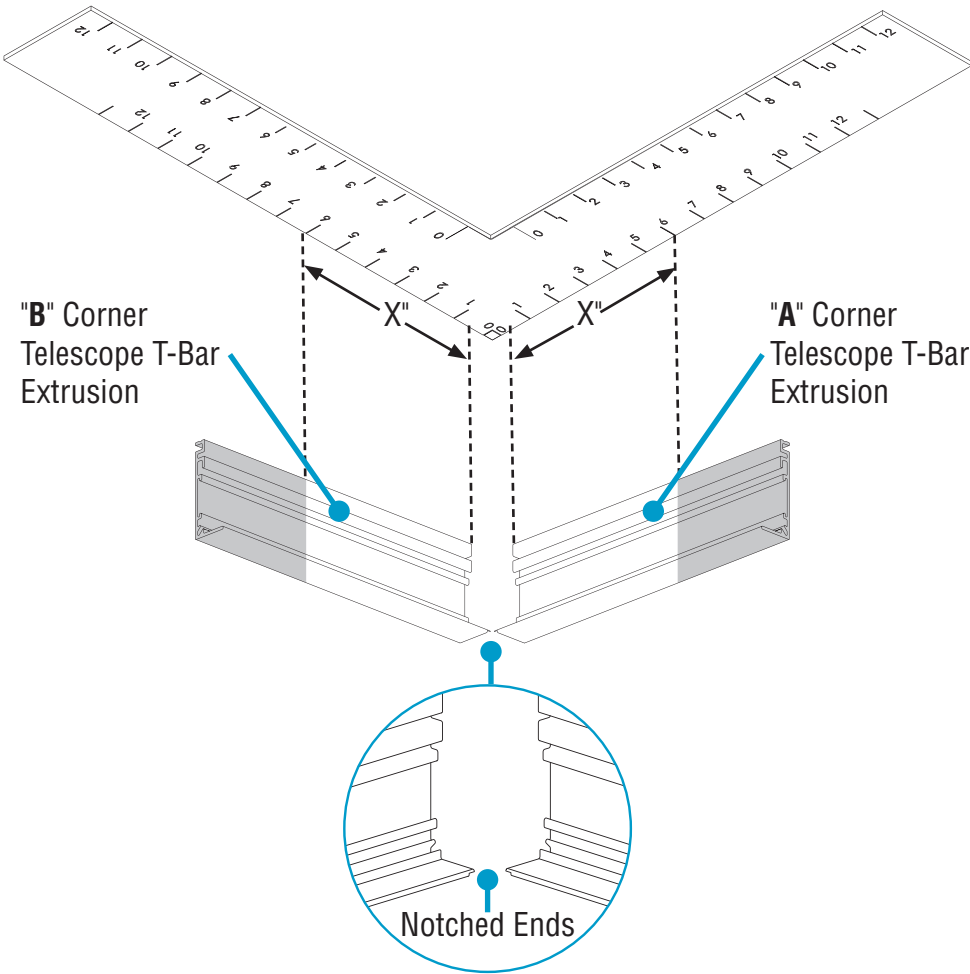
## Step 5B - Outside Corner

### 3. Extrusion Cut Guide Bottom-Up View



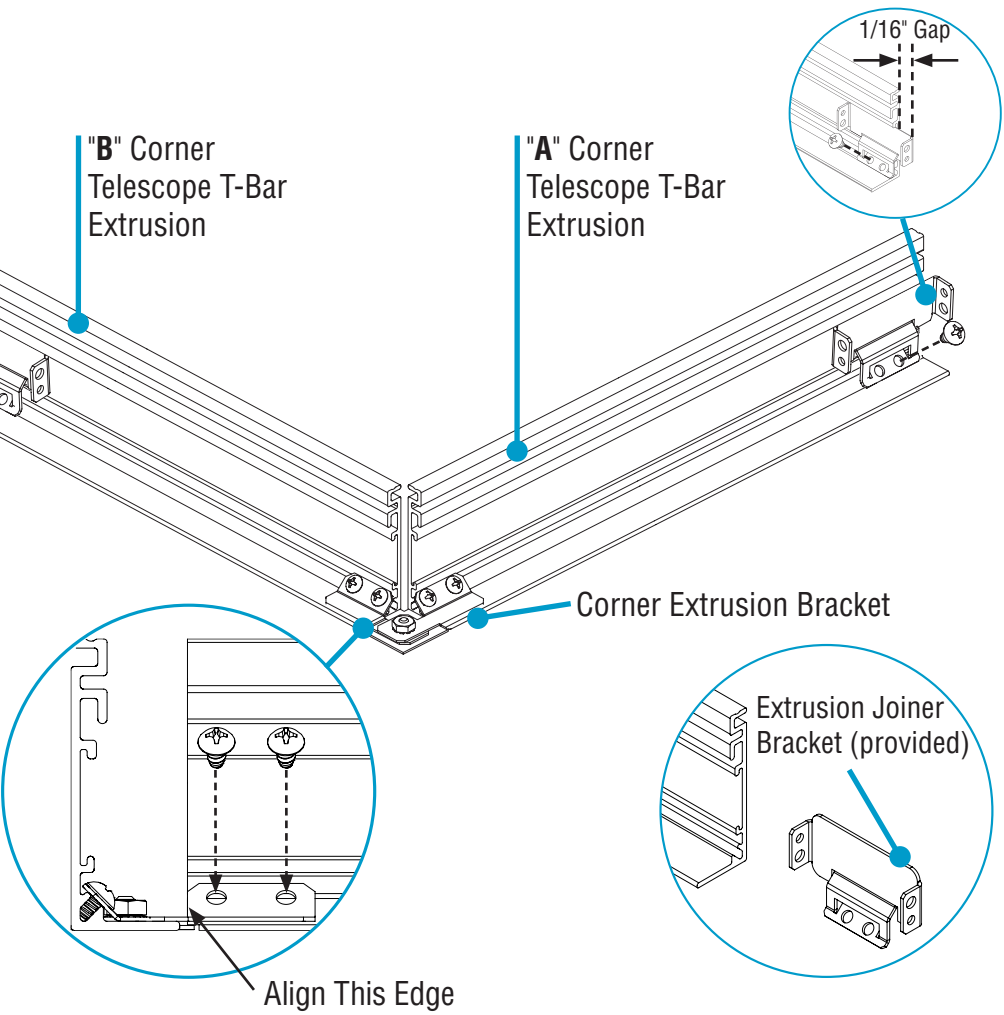
Use the extrusion cut guide by placing it on the inner-side of the luminaire T-Bar extrusion just above the T-Bar flange. Mark where the extrusion ends for both sides.

### 4. Cut Telescope T-Bar Extrusion to length



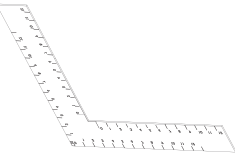
Use the measurements found in the previous step to cut the telescope T-Bar extrusions to length.

### 5. Attach Telescope T-Bar Extrusion Top-Down View



Make sure the corner extrusion bracket is fastened to both pieces of the telescope T-Bar extrusion by lining up the bracket to the edge of the extrusion. Fasten using #8-18 x 1/4" screws (provided). Slide the extrusion joiner bracket into the telescope T-Bar extrusion as shown. Pin with #8-18 x 1/4" screws (provided). Make sure to leave a 1/16" gap from the extrusion joiner bracket to the end of the telescope T-Bar extrusion.

CONTINUED



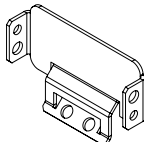
Extrusion Cut Guide  
(provided)



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



Corner Telescope T-Bar  
Extrusion  
(provided)



Extrusion Joiner Bracket  
(provided)

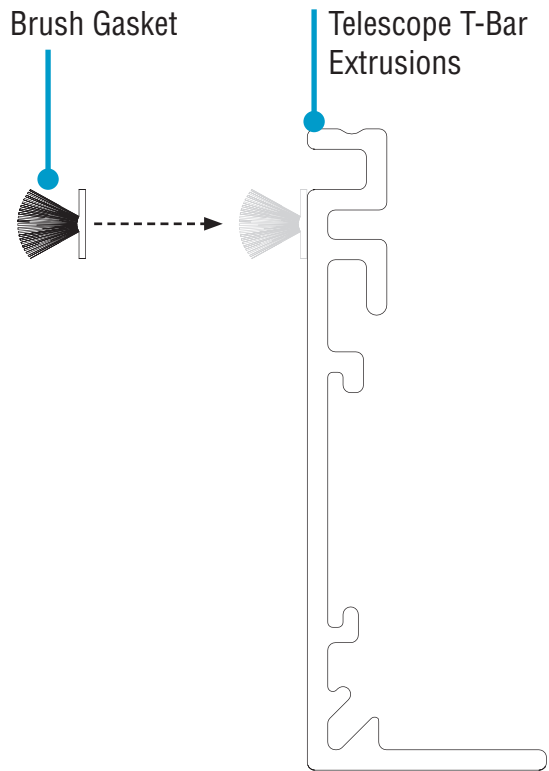


# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

## Step 5B - Outside Corner

### 6. Brush Gasket Installation - 2" Depth

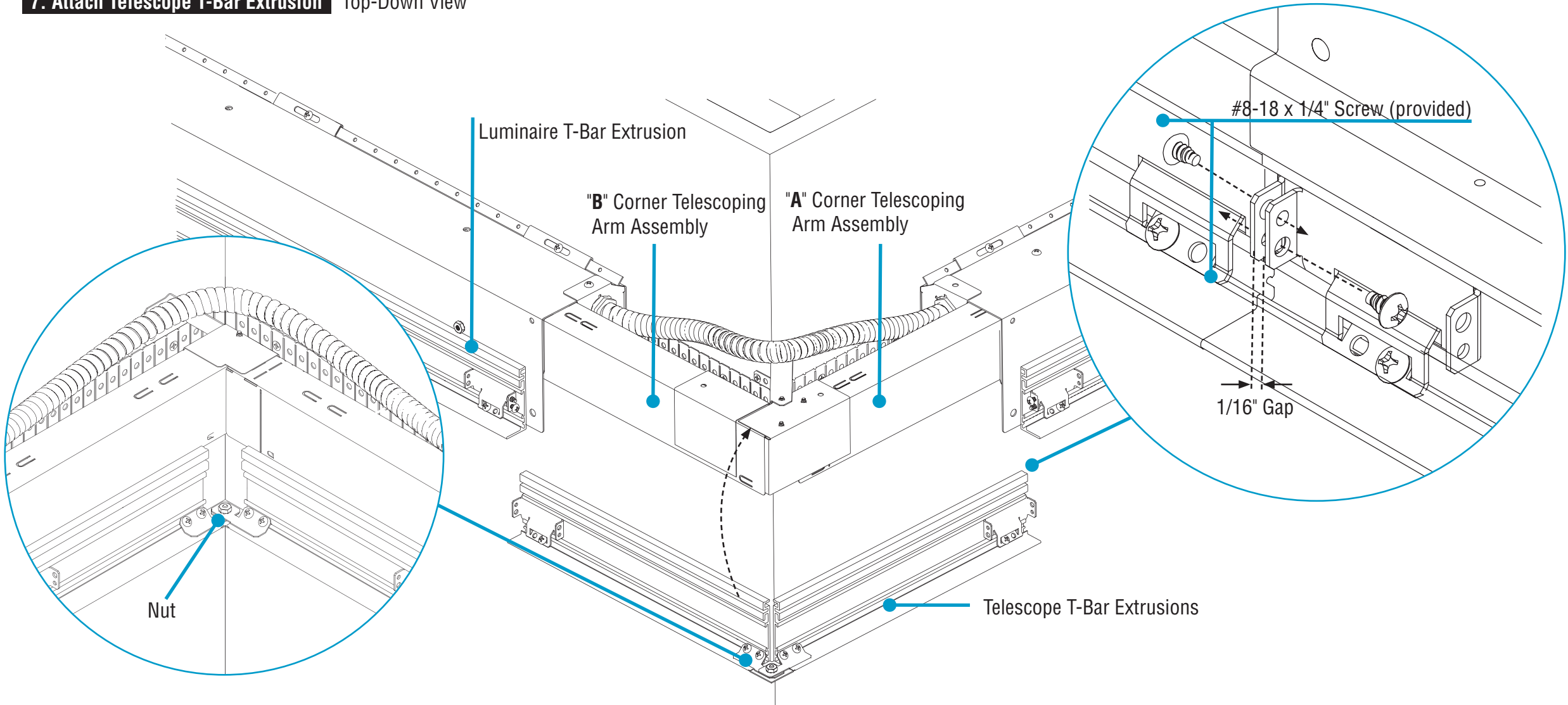
**!** Luminaire with 2" depth - brush gasket install on extrusion bracket only



Remove adhesive backing from brush gasket to expose the adhesive. Attach brush gasket to the top of the telescope T-Bar extrusions, near the open channel as shown above.

### 7. Attach Telescope T-Bar Extrusion

Top-Down View



Join the telescope T-Bar extrusions to the luminaire T-Bar extrusions using #8-18 x 1/4" screws (provided) to pull together the adjacent extrusion joiner brackets. Leave a 1/16" gap between the two extrusion joiner brackets. Tighten nut to solidify telescope T-Bar extrusion corner joint.



Brush Gasket  
(provided)



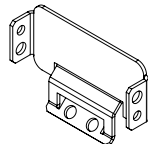
Nut  
(provided)



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



Corner Telescope T-Bar  
Extrusion (provided)



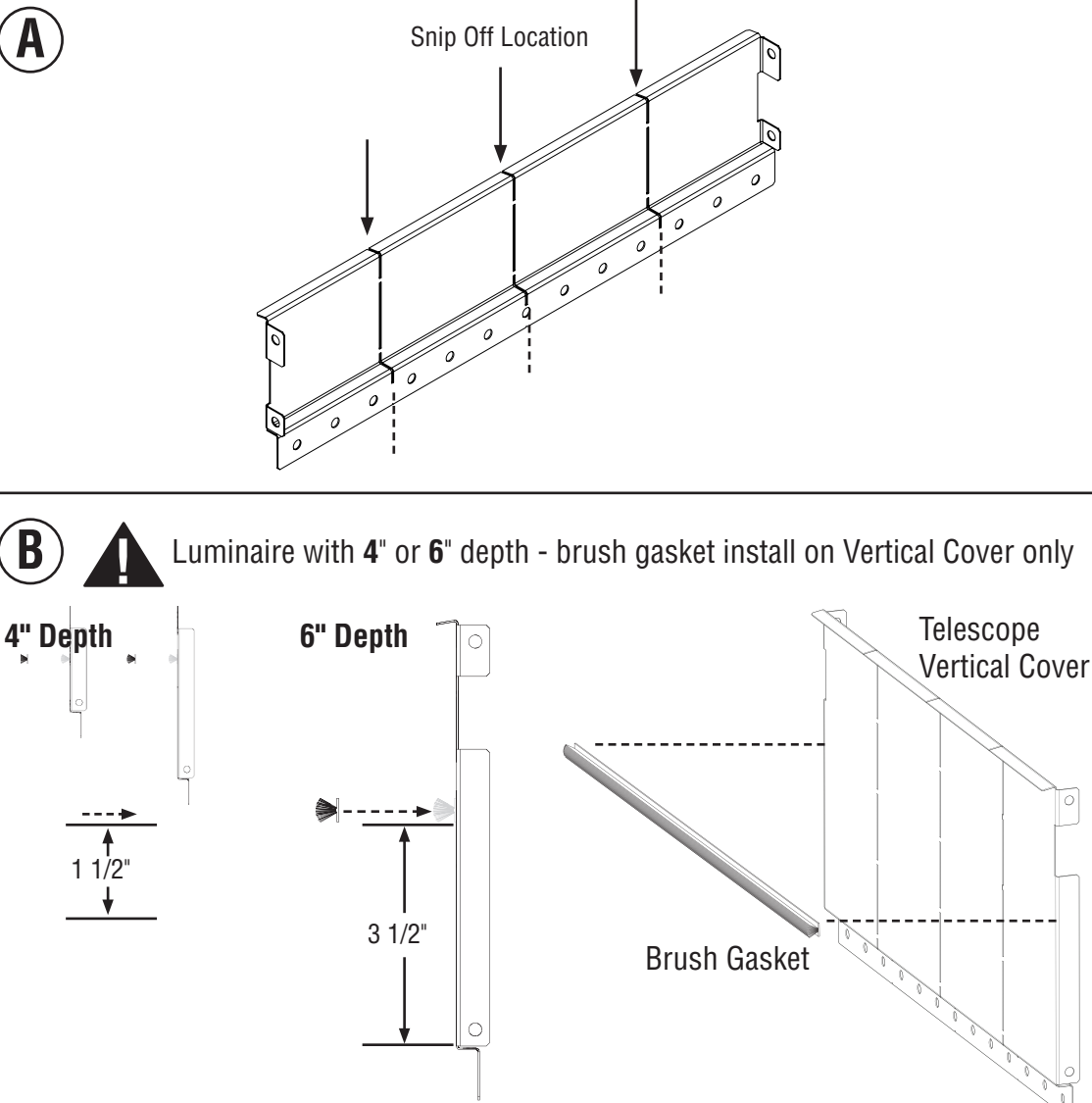
Extrusion Joiner Bracket  
(provided)

CONTINUED

# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

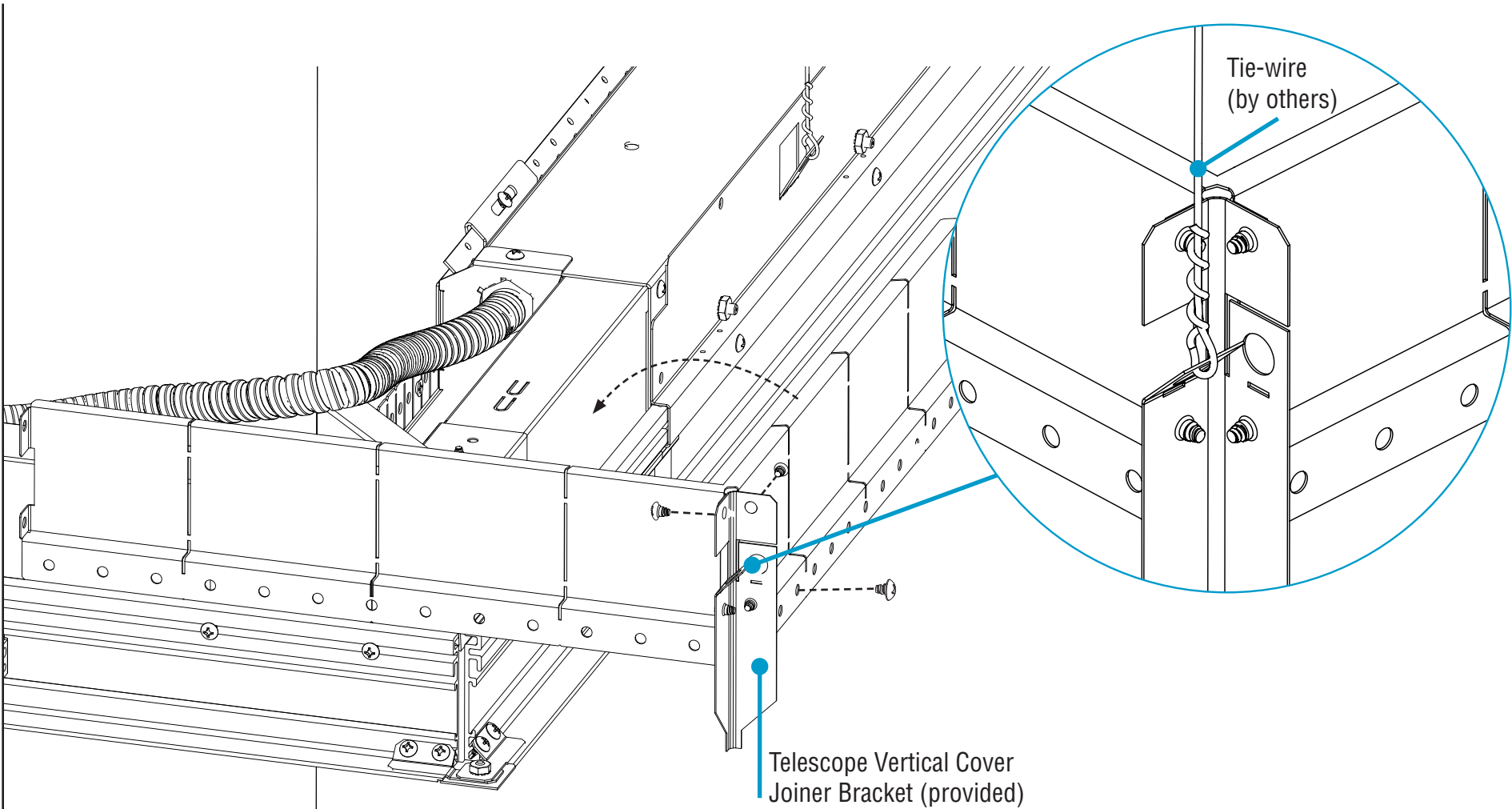
## Step 5B - Outside Corner

**8. Vertical Cover & Brush Gasket Installation - 4" or 6" Depth**



- A.** If necessary, snip off perforated sections of the vertical cover.
- B.** Remove adhesive backing from brush gasket to expose the adhesive. Attach brush gasket to telescope vertical cover, according to above measurements.

**9. Secure Telescope Vertical Covers to Joiner and Enders** Top-Down View



Place telescope vertical cover subassembly over telescope T-Bar extrusions as shown. If necessary, snip off perforated sections of the telescope vertical cover. Fasten to telescope T-Bar extrusions using #8-18 x 1/4" screws (provided). Support the telescope vertical cover corner assembly to structure. **Repeat steps 1-9 for all outside corners.**



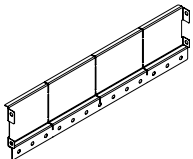
Brush Gasket  
(provided)



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



Outside Telescope Vertical Cover Joiner Bracket  
(provided)



Telescope Vertical Cover  
(provided)

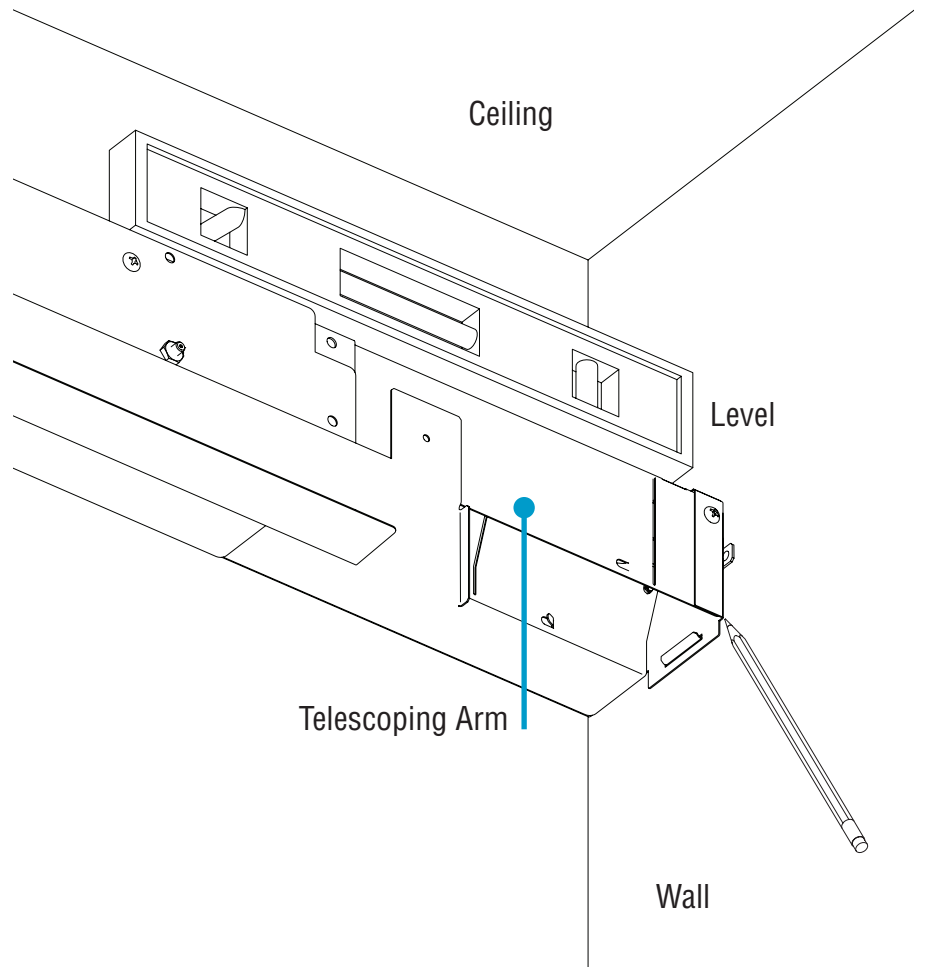
Finelite, Inc. • 30500 Whipple Road • Union City, CA 94587-1530 • (510) 441-1100 • Fax: (510) 441-1510 • [www.finelite.com](http://www.finelite.com)

**Note:** All power connections to be installed to local/national codes by a Certified Electrician.

# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

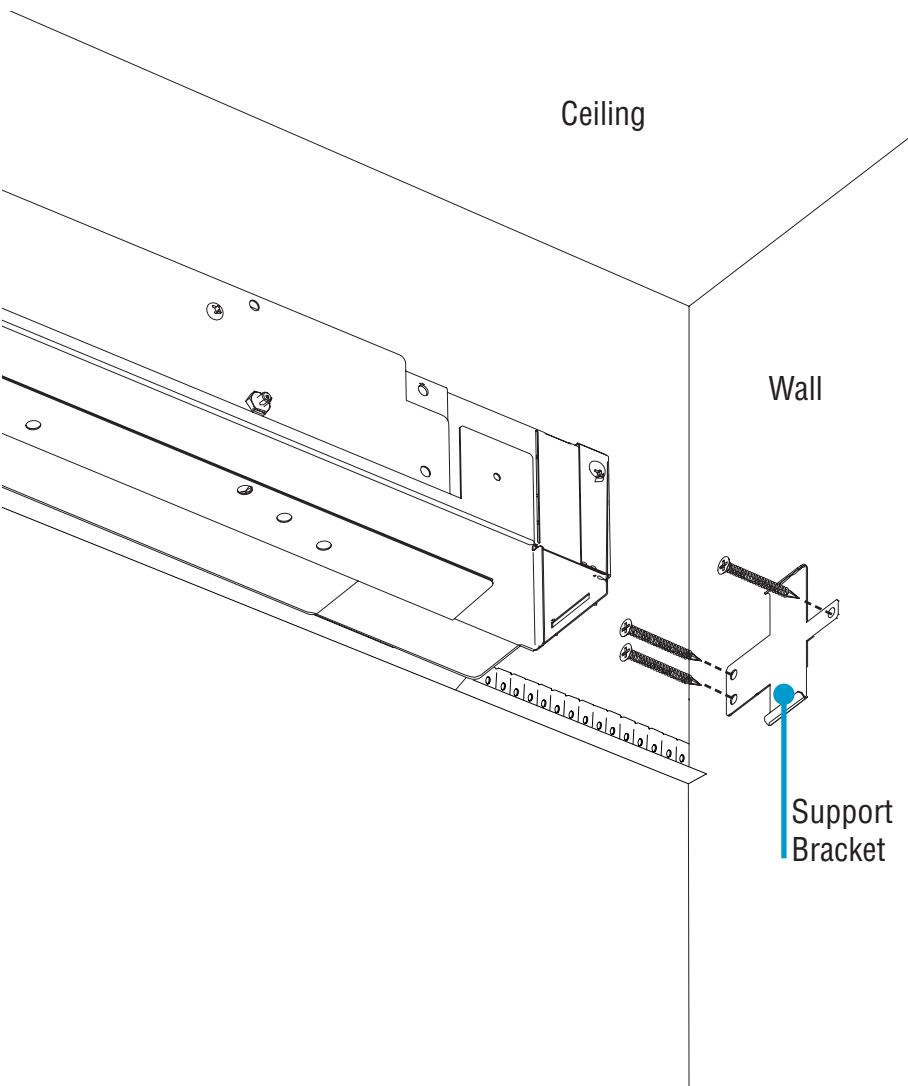
## Step 6 - Straight Telescope

**1. Extend Straight Telescope** Bottom-Up View



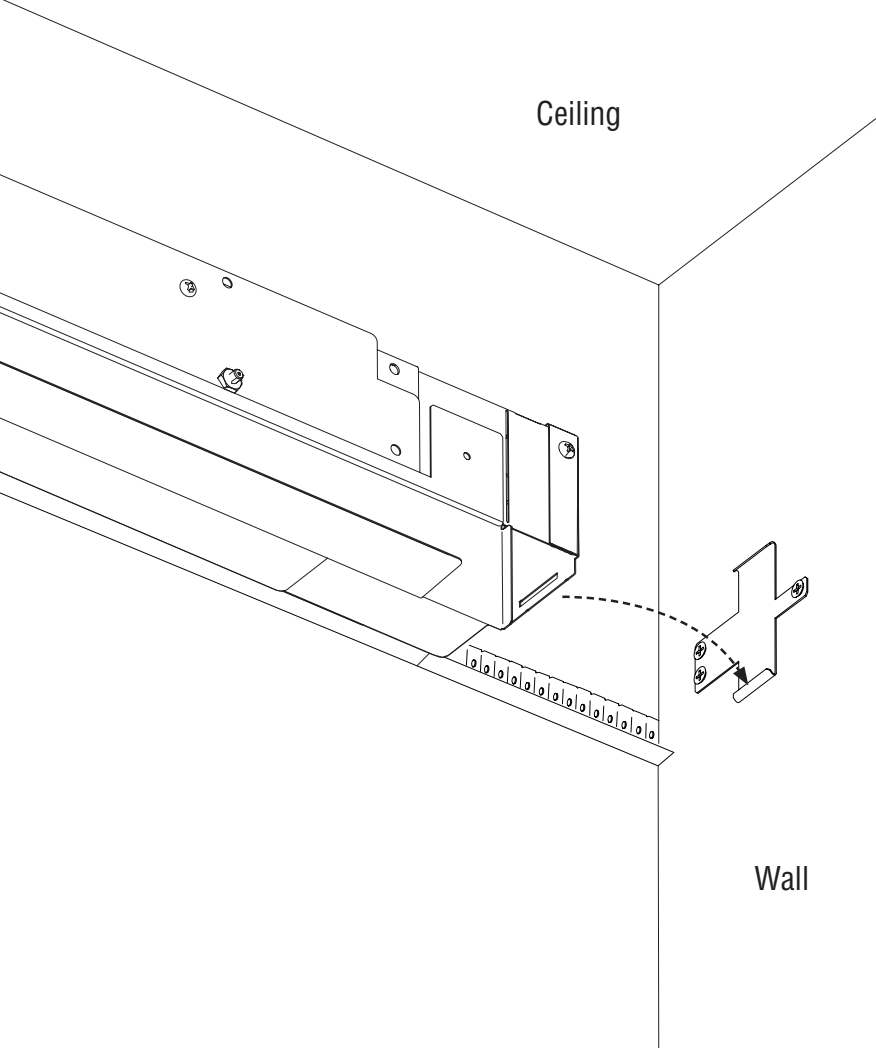
Extend telescope arm to wall, ensuring it is level. Mark where the telescope wall support bracket will be mounted.

**2. Mount Support Bracket** Bottom-Up View

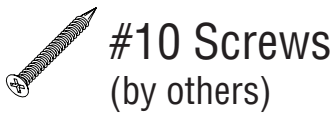


Mount support bracket to wall using appropriate #10 screws (by others).

**3. Hook Telescope** Bottom-Up View



Hook the telescope arm onto the support bracket using the slot provided.

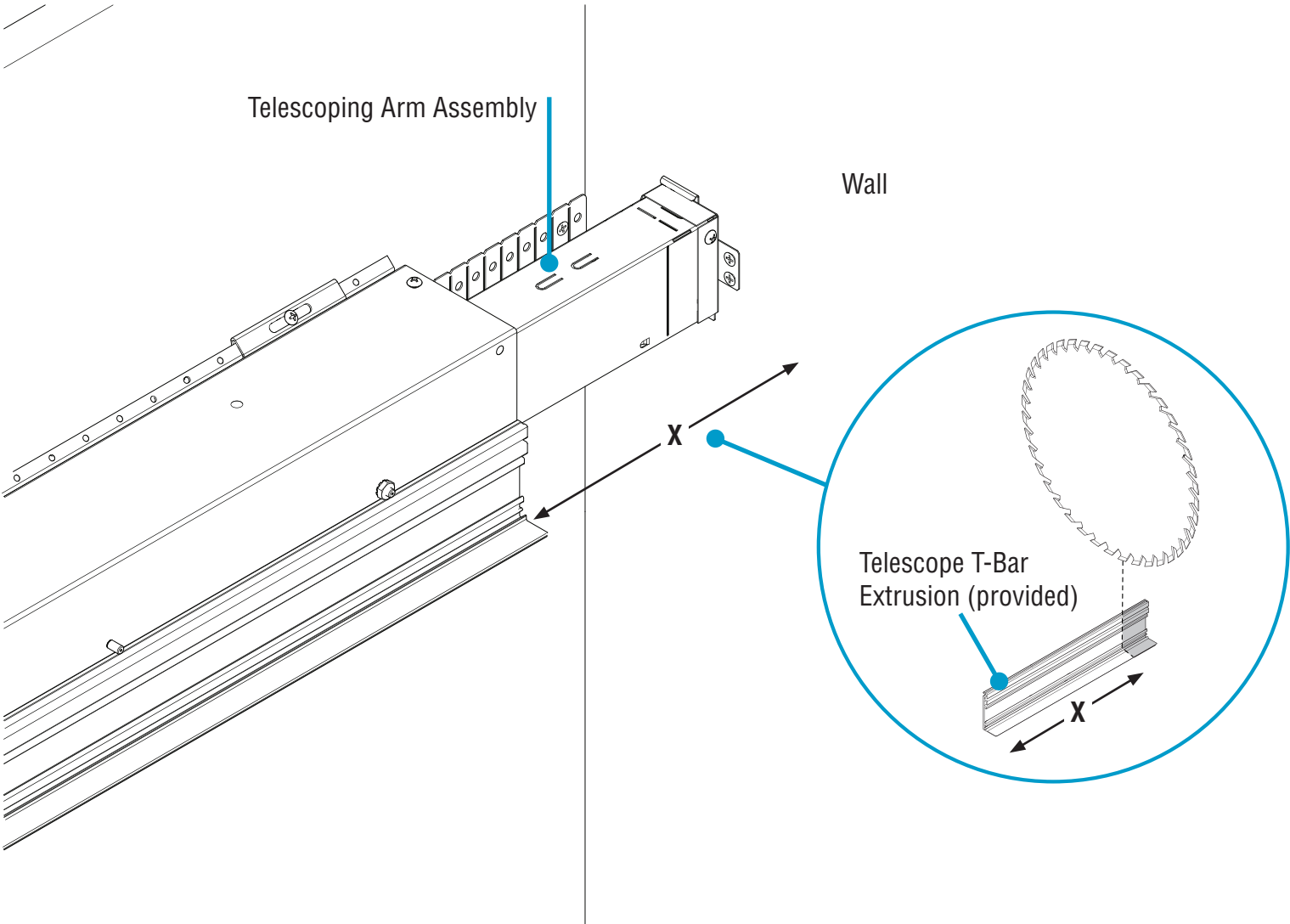


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# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

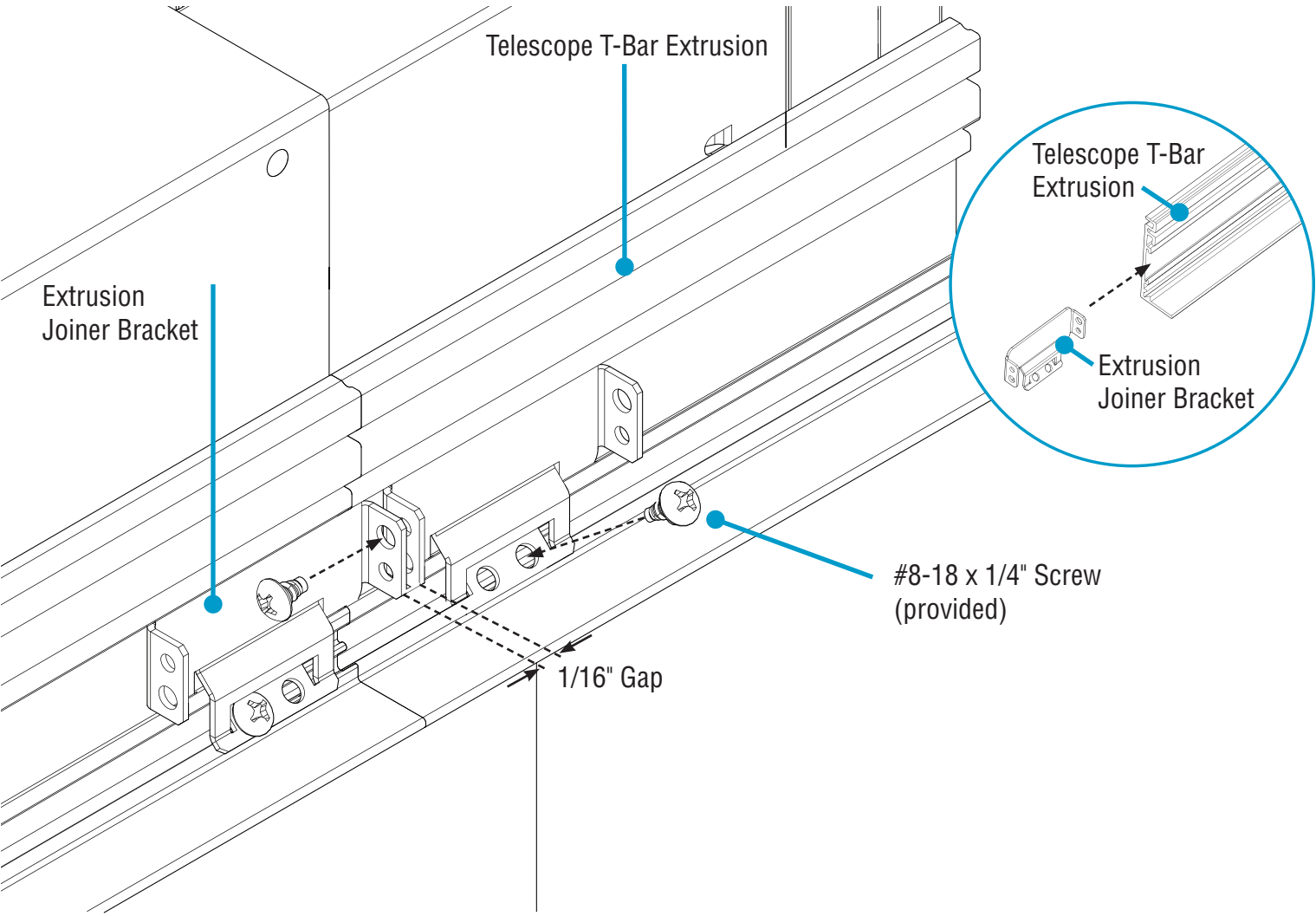
## Step 6 - Straight Telescope

### 4. Telescope T-Bar Extrusion Assembly

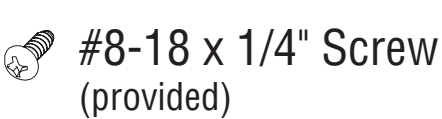


Measure distance from extrusion to wall and cut telescope T-Bar extrusion to "X".

### 5. Telescope T-Bar Extrusion Assembly



Insert extrusion joiner bracket into telescope T-Bar extrusion. Attach extrusion joiner bracket to telescope T-Bar extrusion using #8-18 x 1/4" screw (provided). Make sure to leave 1/16" gap between two extrusion joiner brackets. Mount telescope T-Bar extrusion to adjacent extrusion piece using extrusion joiner bracket and #8-18 x 1/4" screw (provided).

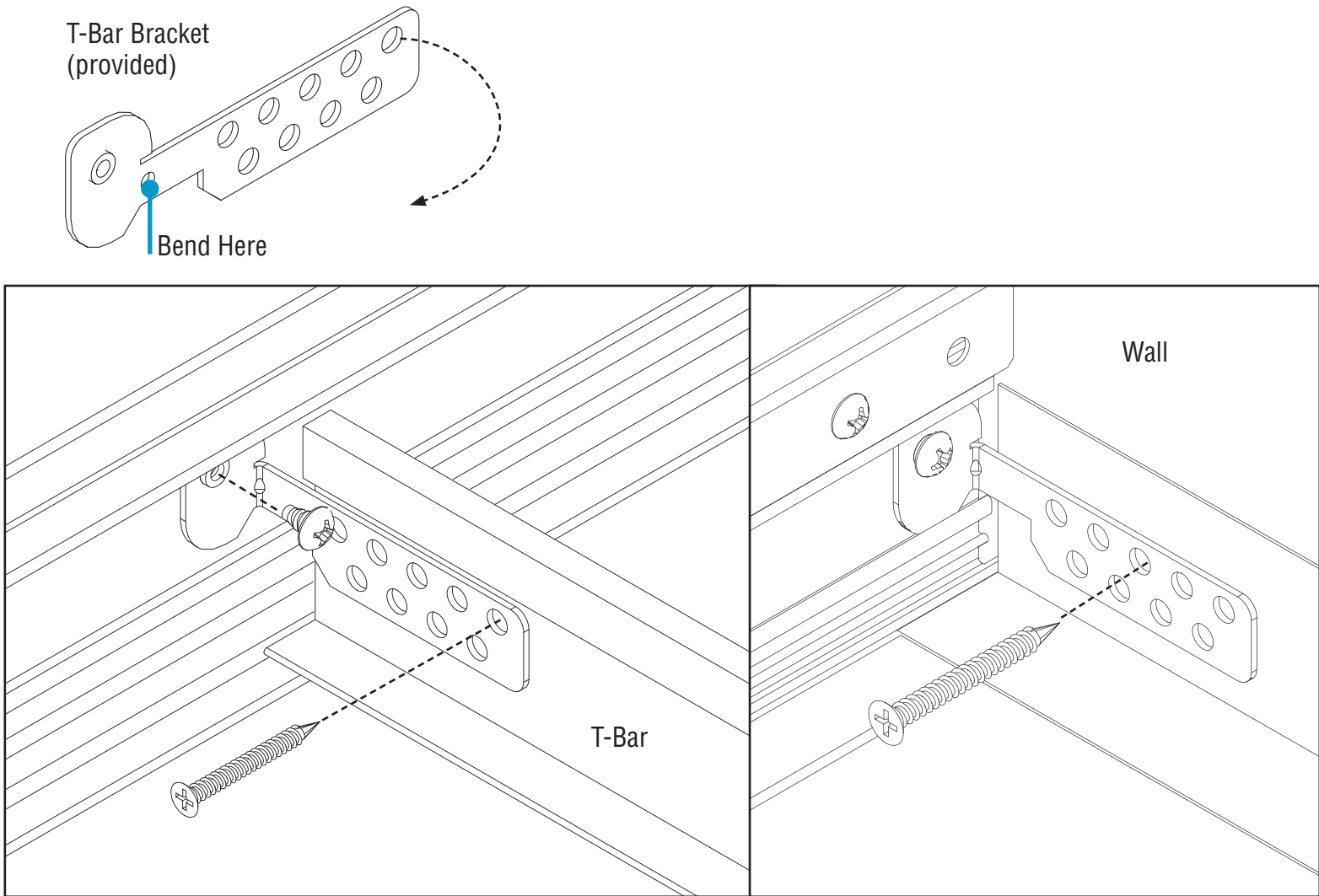




# HP-WS Perimeter Slot Wall Bracket Mount T-Bar Installation Instructions

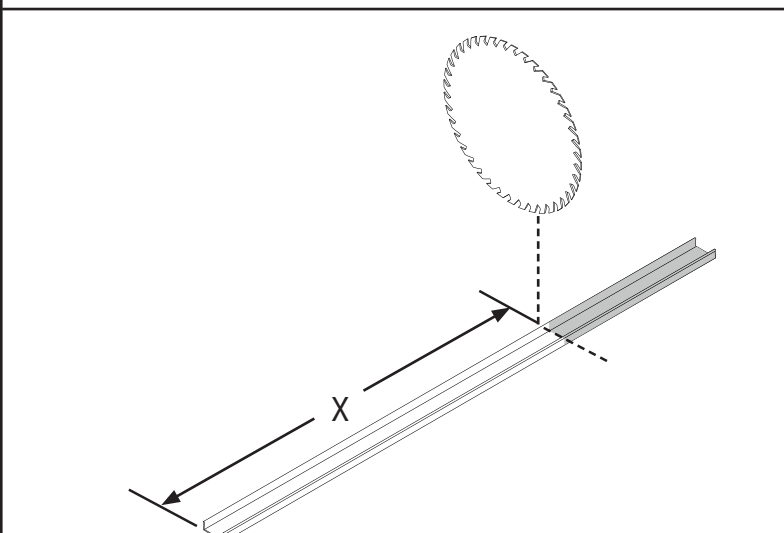
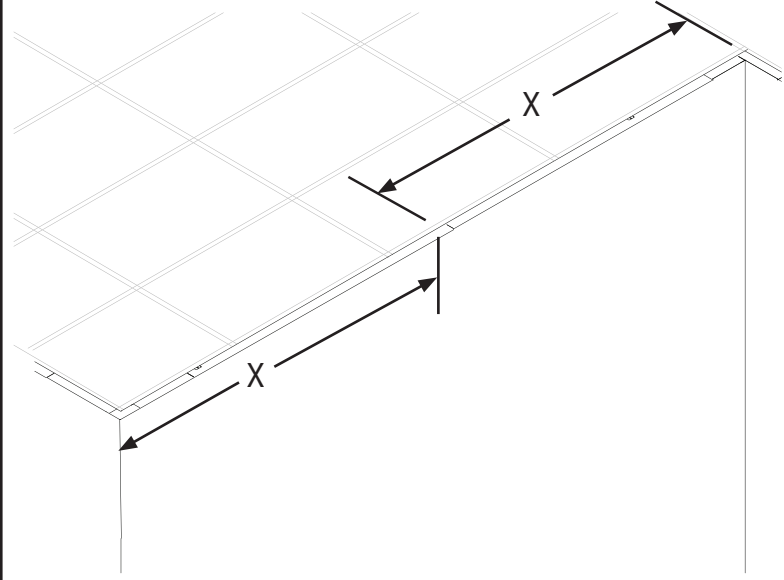
## Step 7 - Luminaire Closure

### 1. Connect to T-Bar Top View



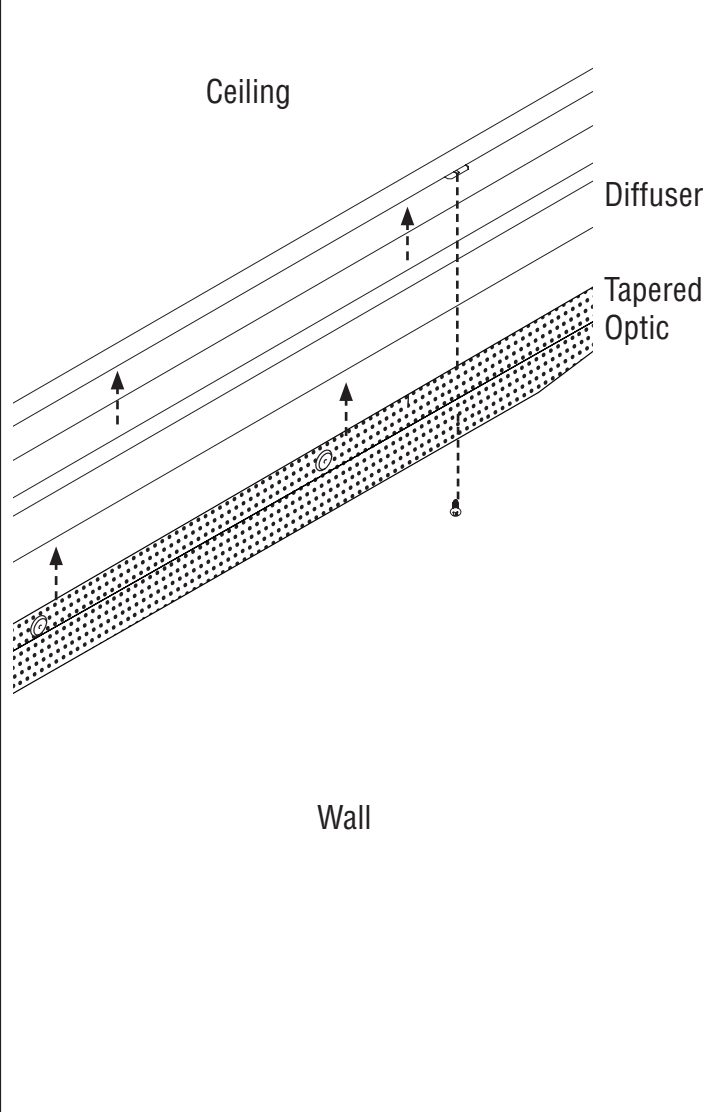
Fasten T-Bar (by others) to T-Bar extrusion using T-Bar brackets. Twist brackets into extrusion and pin them to the T-Bar extrusion using #8-18 x 1/4" screws (provided). Secure T-Bar (by others) to T-Bar brackets using self-drilling screws (by others). For edging at the wall, use appropriate #10 screws (by others ) through brackets and edging into wall (this also supports the telescope T-Bar extrusion to the wall).

### 2. Measure Diffusers Bottom-Up View

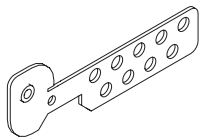


Diffuser length "X" is always measured along the longest edge. Measure the overall length for square-edged lengths. Measure from the square edge to the tip of a mitered edge. Cut the diffuser to "X" minus 1/16". For example, if "X" is 8'6", cut the diffuser to 8' 5-15/16". This difference accounts for 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.

### 3. Finish it up! Bottom-Up View



Replace diffusers and reinstall tapered optics using #4-24 screws (provided). Turn power on to luminaire.



**T-Bar Bracket**  
(provided)



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



**#10 Screws**  
(by others)



**#4-24 Screws**  
(provided)