

HP-2 WS Perimeter Slot Threaded-Rod 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.



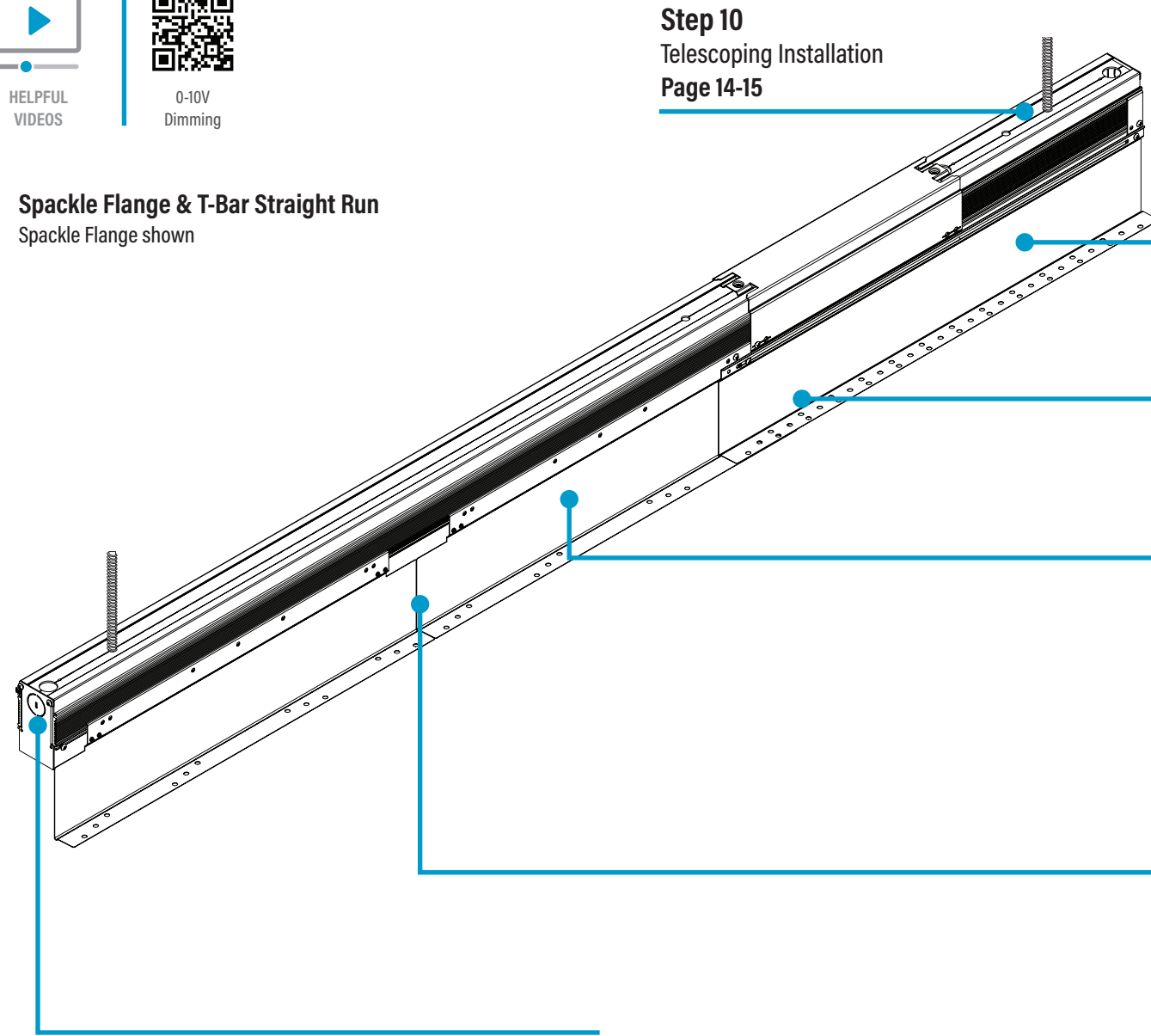
HELPFUL
VIDEOS



0-10V
Dimming

Spackle Flange & T-Bar Straight Run

Spackle Flange shown



Step 10
Telescoping Installation
Page 14-15

Step 1
Identification & Preparation
Page 2

Step 2
Straight Run Mounting Location
Page 3

Step 3
Corner Mounting Location
Page 4

Step 4
Rough-in & Mounting Options
Page 5-6

Step 5
Open Luminaire
Page 7

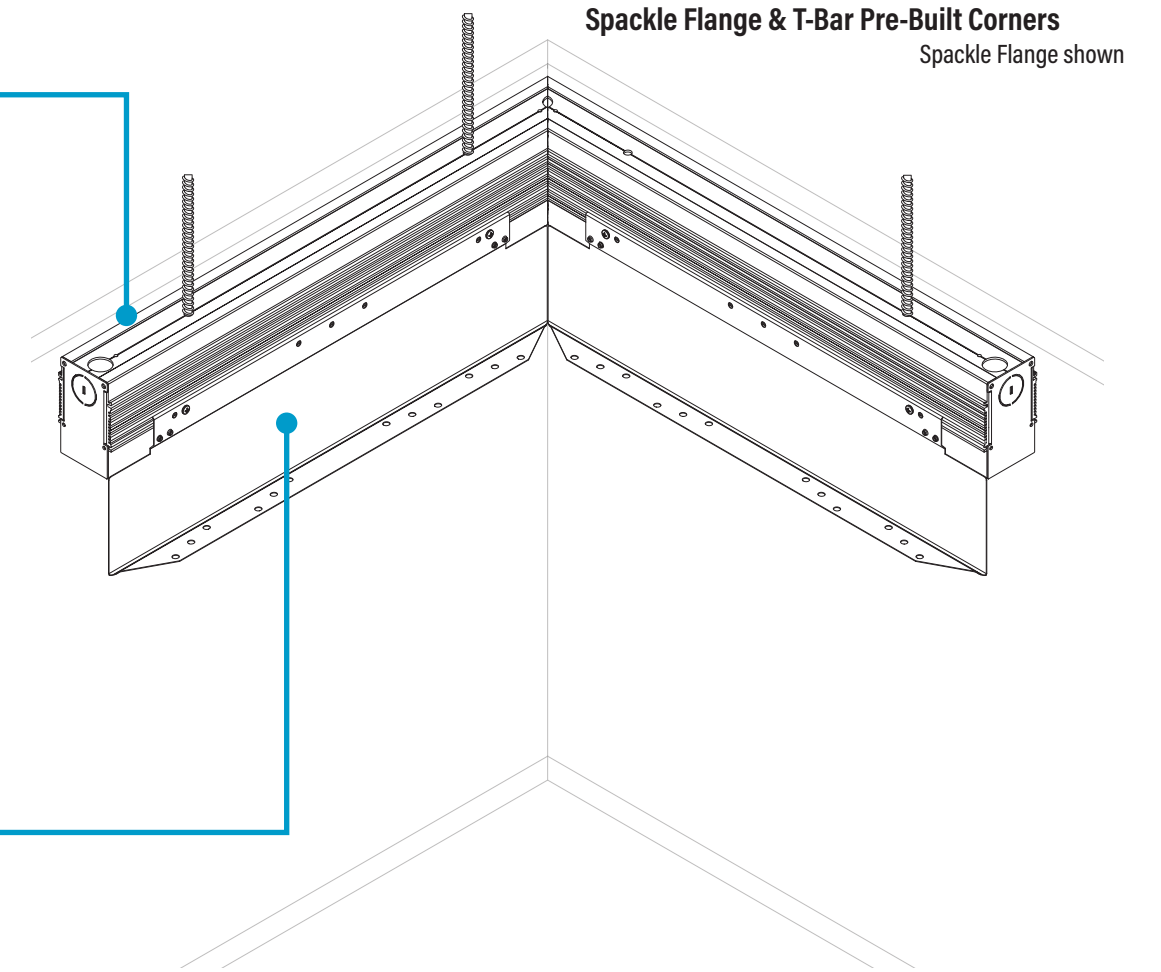
Step 6
Mounting Starter to Structure
Page 8

Step 7
Hanging Inside and Outside Corners
Page 9-10

Step 9
Joining Luminaires
Page 12-13

Step 11
Closing Luminaire
Page 16

Step 8
Electrical Connections
Page 11



Spackle Flange & T-Bar Pre-Built Corners

Spackle Flange shown

HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

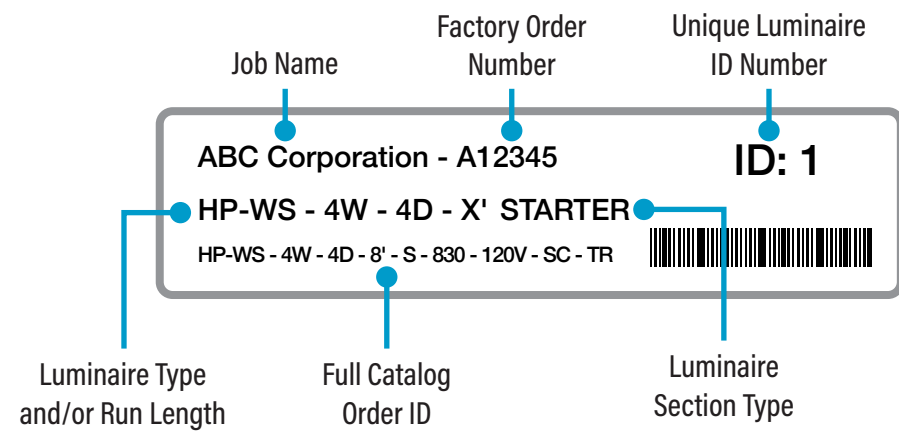
Step 1 - Identification & Preparation

A. Identify Luminaires



CAUTION

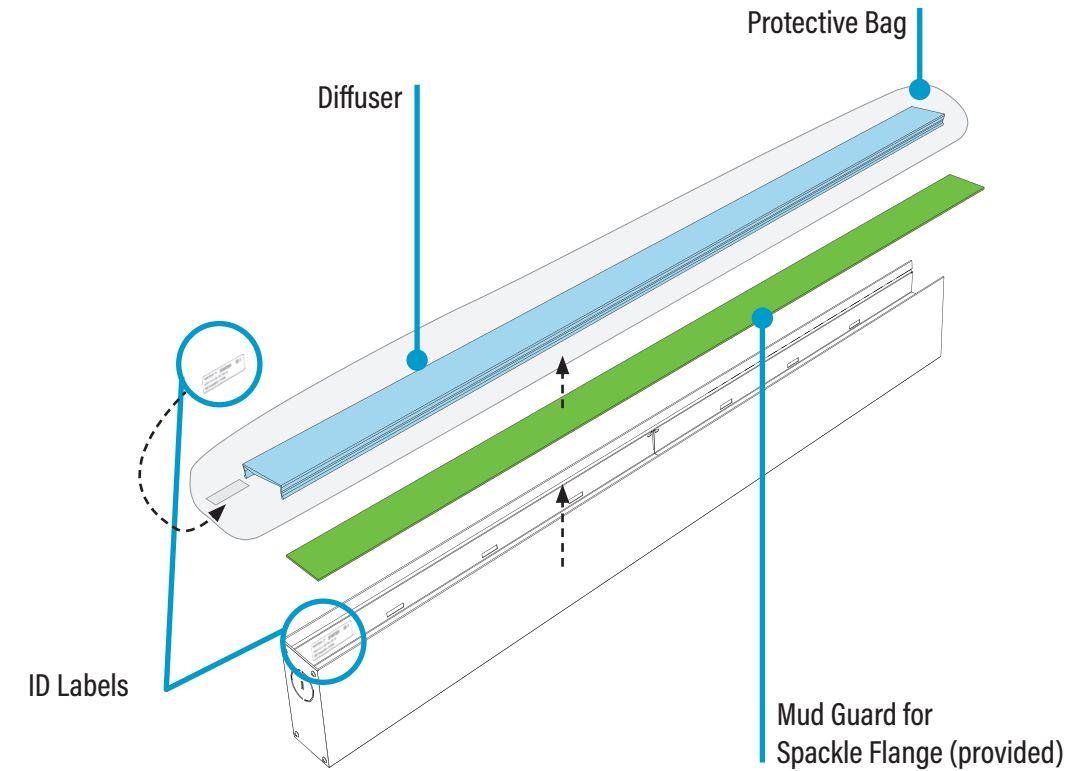
Arrange luminaires in order according to ID# at their install locations.



- 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.

B. Remove Diffusers or Louvers

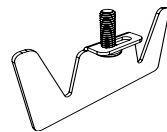
Remove Diffusers



- Carefully remove all diffusers, keeping them inside their protective bags.
- Set aside all diffusers to prevent from getting dirty or damaged.
- Ensure diffusers can be clearly identified back to their corresponding luminaire.
- **CAUTION (Spackle Flange Only):** Carefully remove "Mud Guards" and keep them as they will be reinstalled in Step 11.
- If corner luminaire available, remove corner flanges by removing #8-18 screws and set aside for later use.

Kitted Hardware

- Account for all parts and set aside until they are needed.
- All other hardware needed for this installation will be by others.



Yoke Bracket
Part# 45042

#10-32 x 5/8" Screw
Part# 94144
Securing Luminaire Joints
p. 9, Step 6

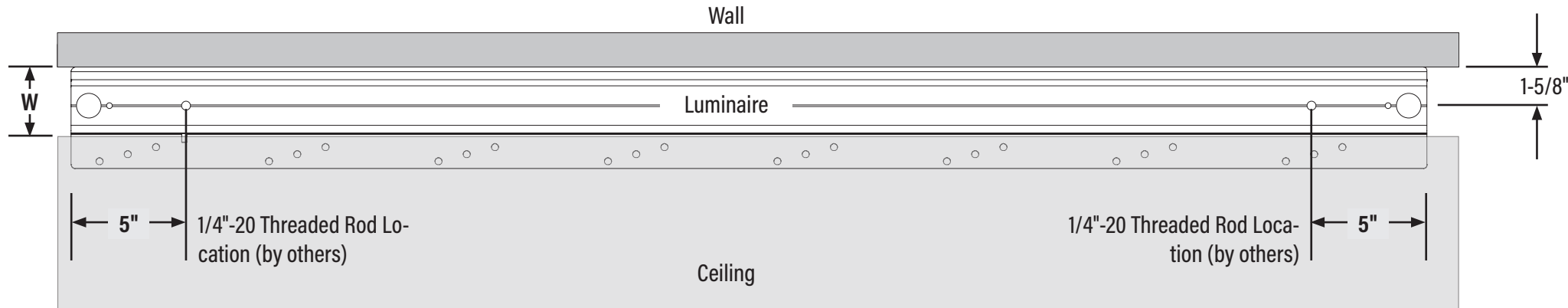


#8-18 x 1/4" Screws
Part# 69026
Mounting Starter to Structure
p. 8, Step 7
p. 9, Step 7
p. 14, Step 10

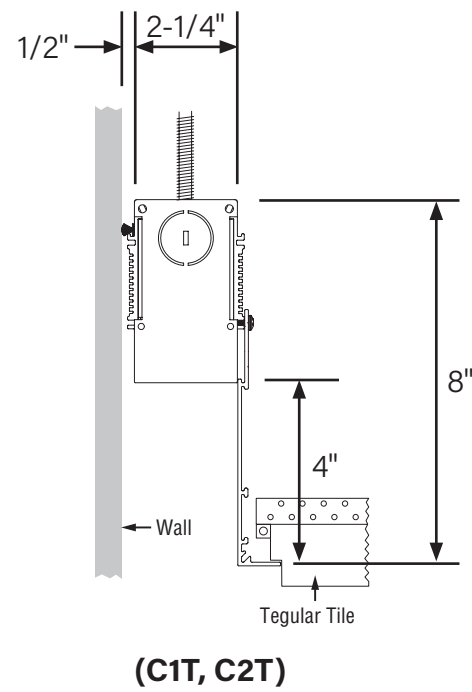
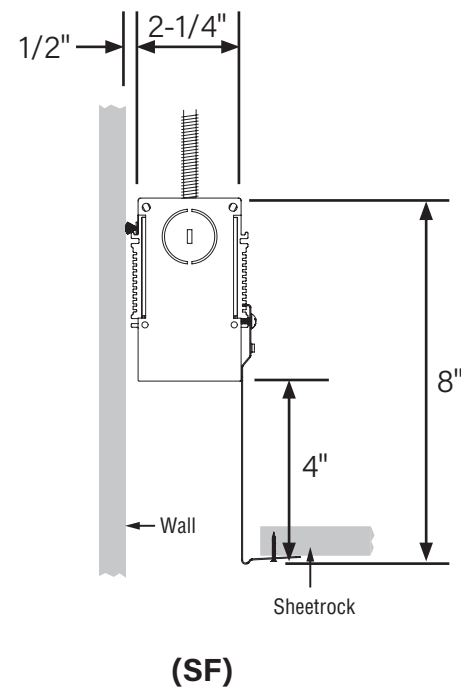
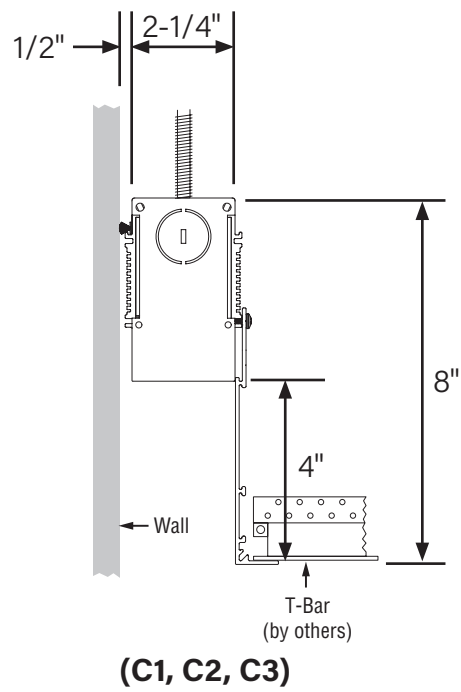
HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

Step 2 - Straight Run Mounting Location

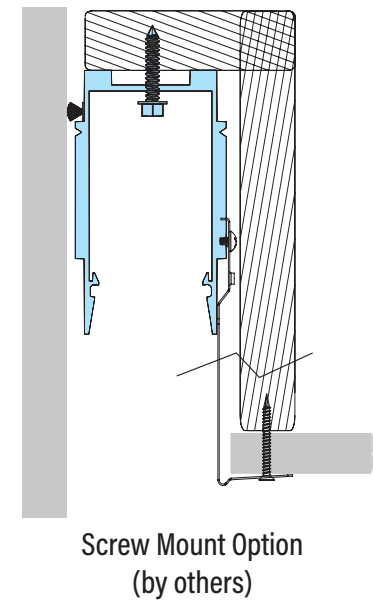
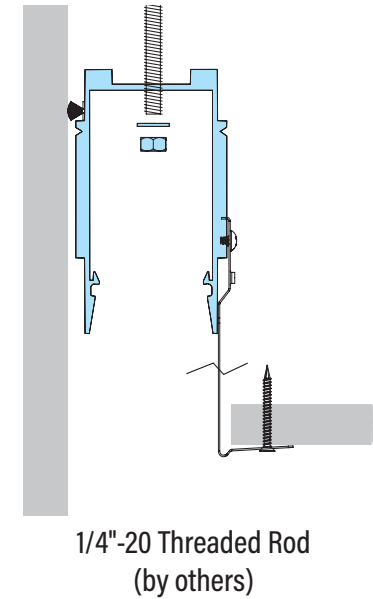
1/4"-20 Threaded Rod Locations



W (Rough-In): Spackle Flange & T-Bar: 3-1/8"



Mounting Options

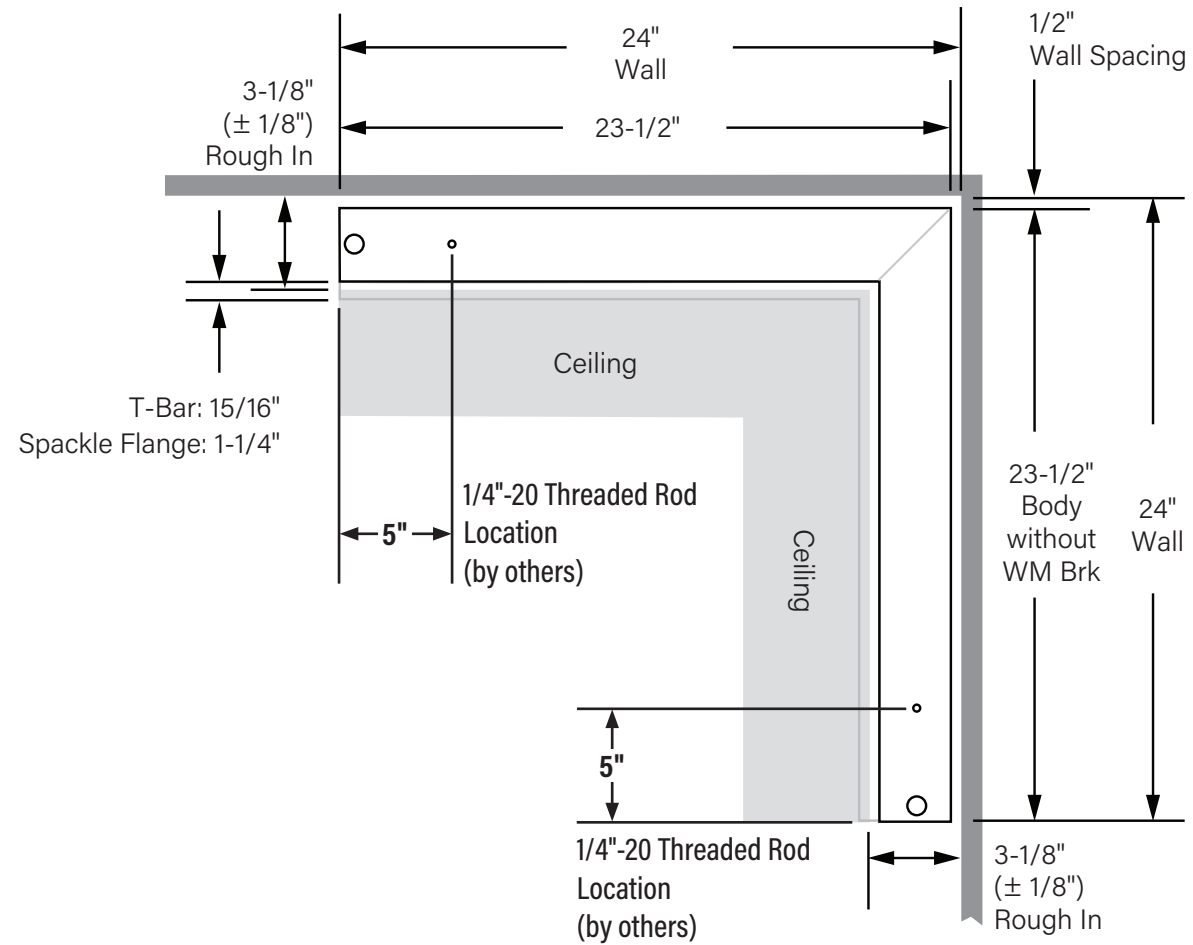


CONTINUED

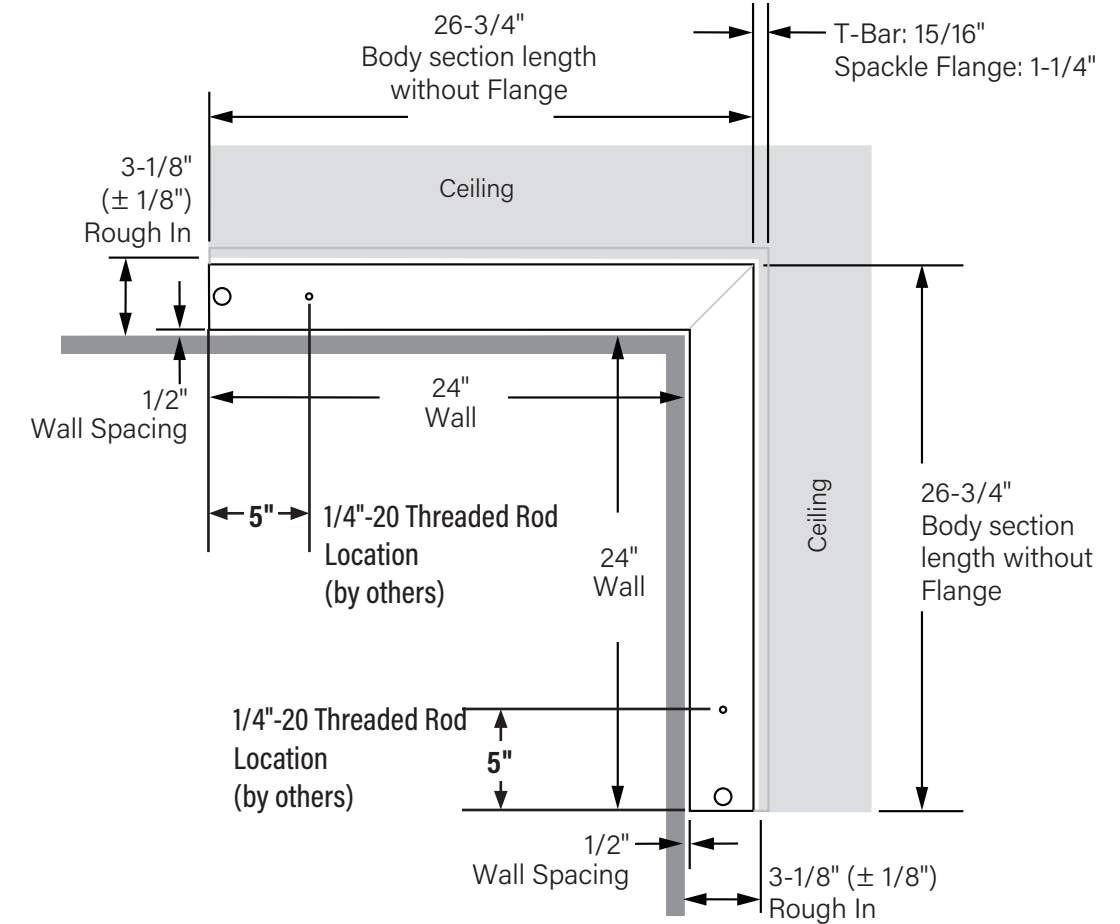
HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

Step 3 - Corners Mounting Location

Inside Corner Installation



Outside Corner Installation



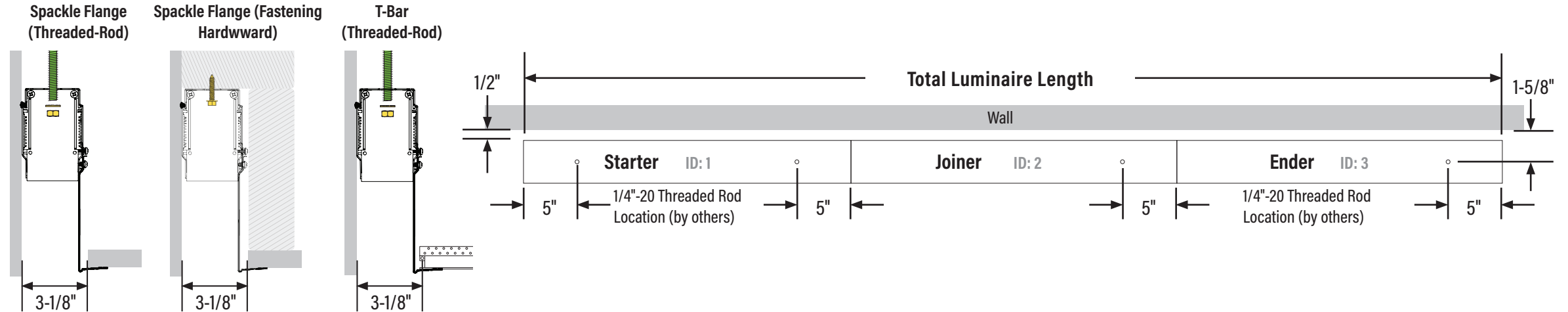
HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

Step 4 - Rough-Ins & Mounting Options

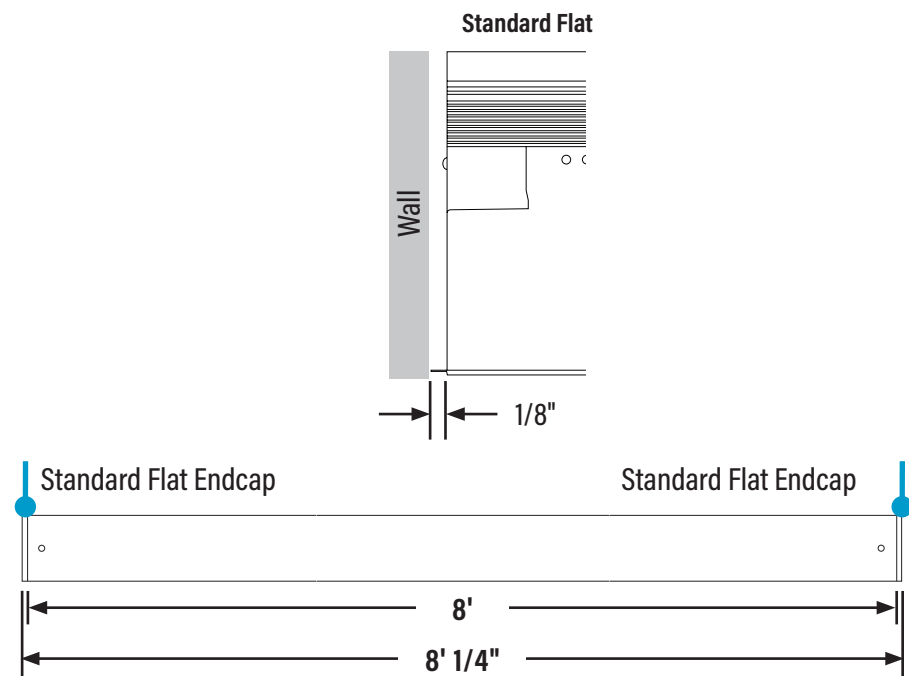
Rough-In Straight Runs

Refer to Record Drawings and building plans to determine exact mounting, suspension points, and power feed locations.

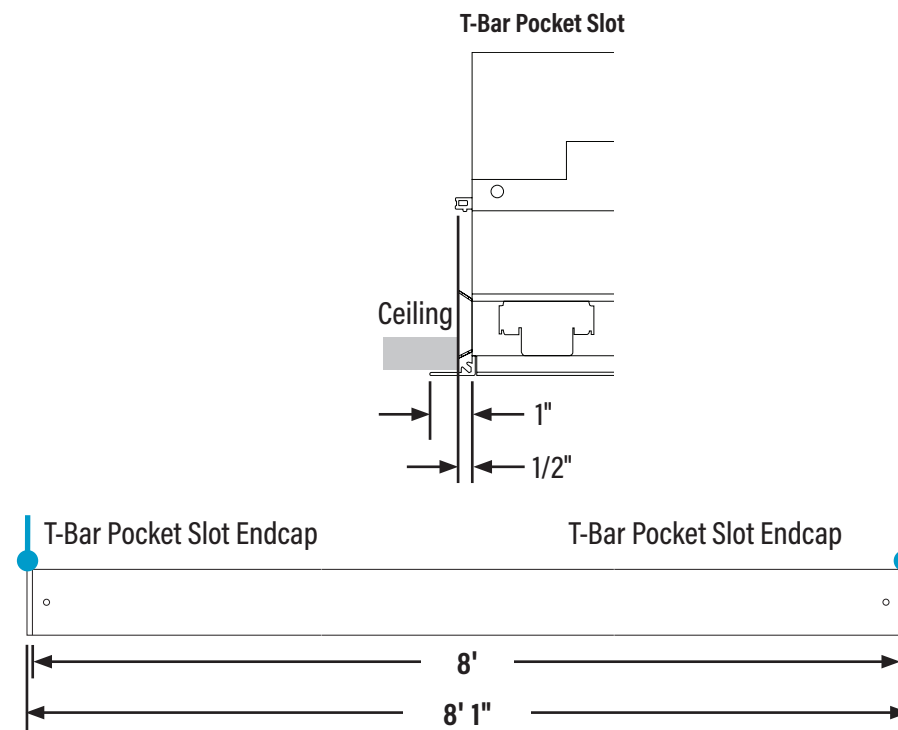
- Use rough-in **Length & Width** dimensions and Record Drawings to determine rough-in measurements.
- Build ceiling with rough-in according to rough-in dimensions.
- **CRITICAL:** Ceiling material (e.g Drywall) must be secured to blocking (studs) around rough-in opening in the ceiling.



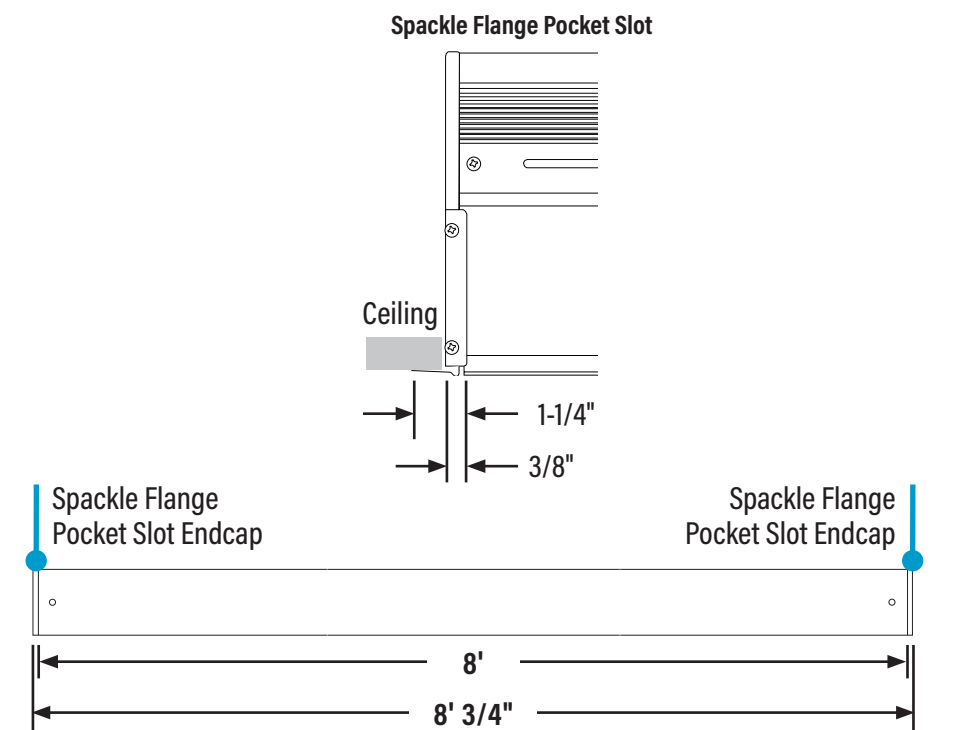
Example of Drawing



Standard Flat Endcaps add rough-in.



Add 1/2" for rough-in on each end with T-Bar Pocket Slot Endcaps.



Add 3/8 for rough-in on each end with Spackle Flange Pocket Slot Endcaps.

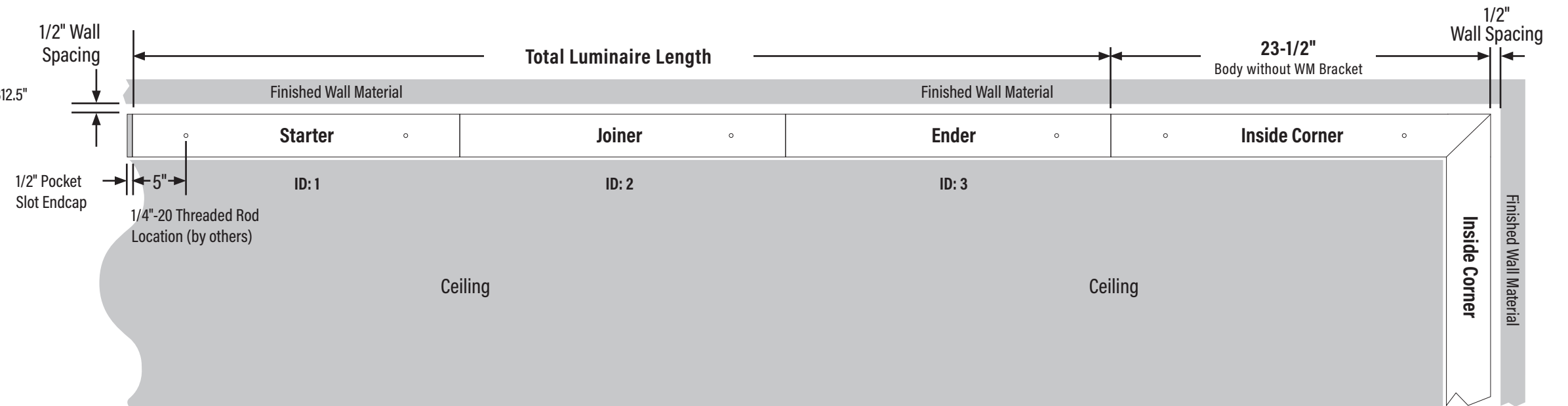
HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

Step 4 - Rough-Ins & Mounting Options

Rough-In Straight Runs with Inside Corner

Inside Corner Example: ID:1 = 8', ID:2 = 8', ID:3 = 8'

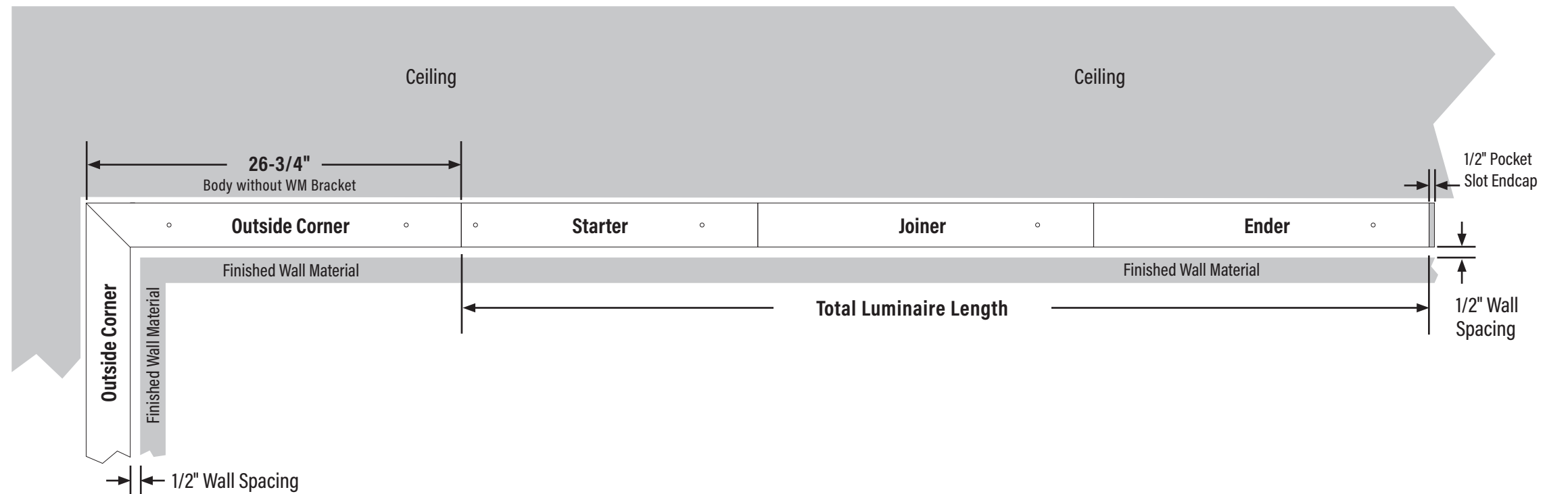
$96" + 96" + 96" + 23\text{-}1/2" + 1/2"$ (wall spacing) + $1/2"$ (Pocket Slot Endcap) = 312.5" (26'-1/2")



Rough-In Straight Runs with Outside Corner

Outside Corner Example: ID:1 = 8', ID:2 = 8', ID:3 = 8'

$96" + 96" + 96" + 26\text{-}3/4" + 1/2"$ (wall spacing) + $1/2"$ (Pocket Slot Endcap) = 315.75" (26' 3-3/4")



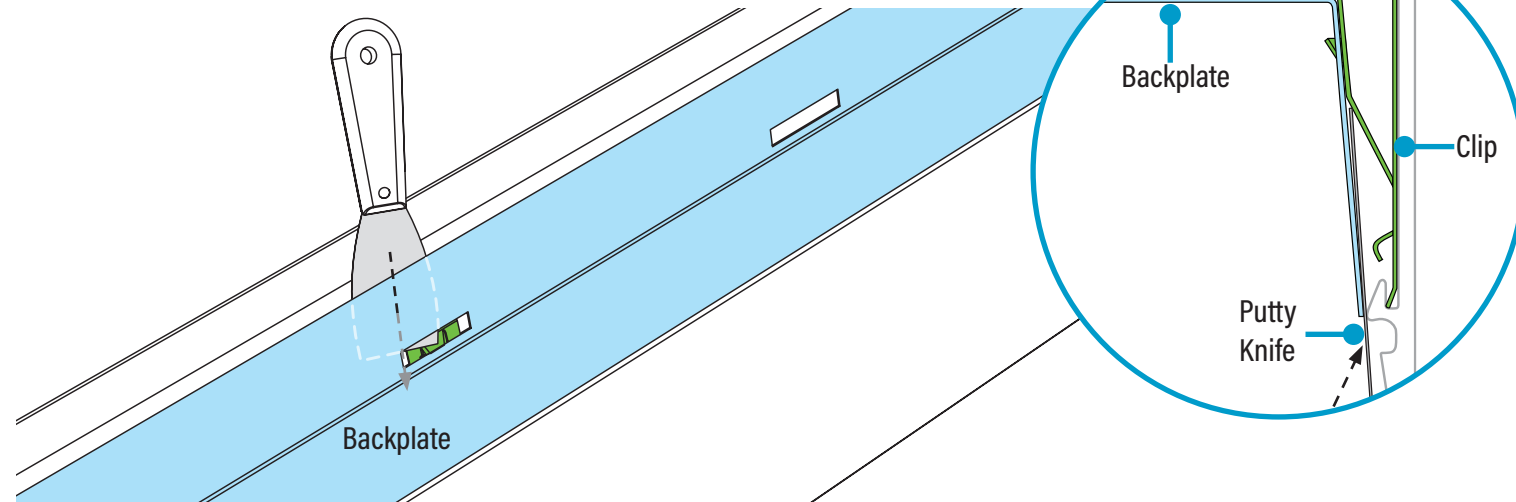
- Use rough-in **Length & Width** dimensions and Record Drawings to determine rough-in measurements.
- Build wall/ceiling with rough-in according to rough-in dimensions.
- **CRITICAL:** Ceiling material (e.g Drywall) must be secured to blocking (studs) around rough-in opening in the ceiling.

HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

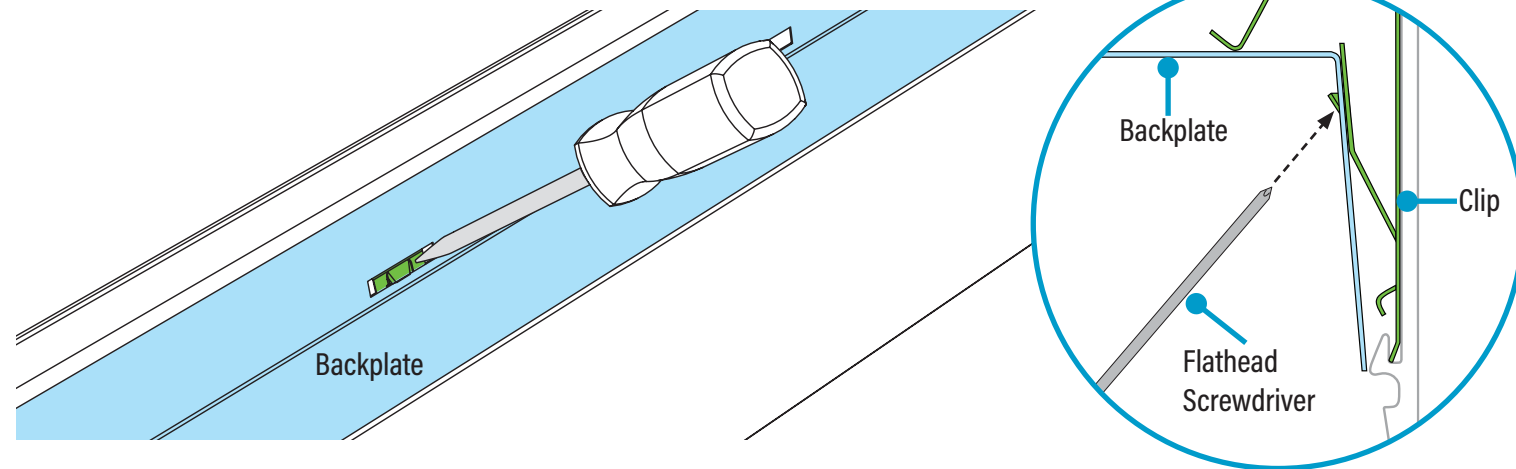
Step 5 - Open Luminares

Release Backplates

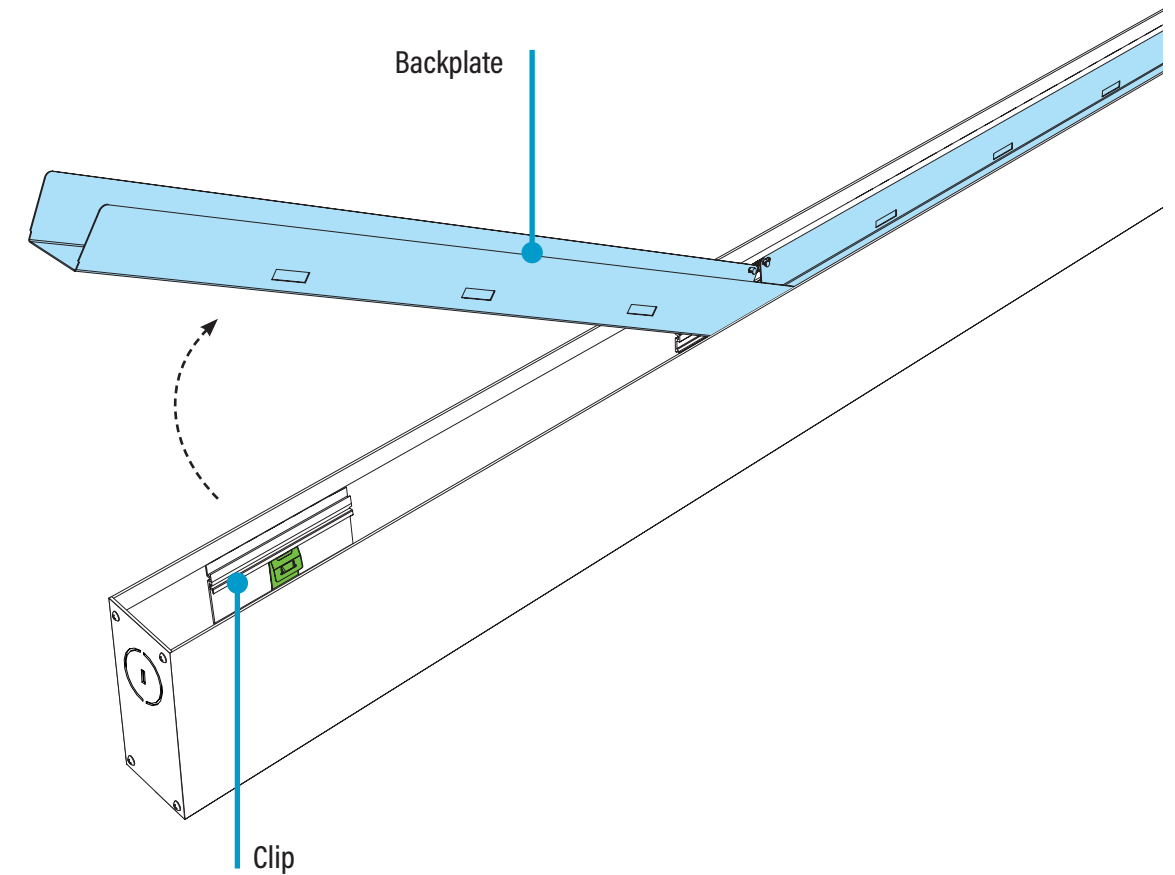
Putty Knife Option



Flathead Screwdriver Option



- Open all backplates for access to mounting points.
- Release the backplates from clips by sliding the blade of a putty knife behind backplate edges.
- To use a flathead screwdriver: From inside backplate, press end of screwdriver against the clip until the backplate is released.



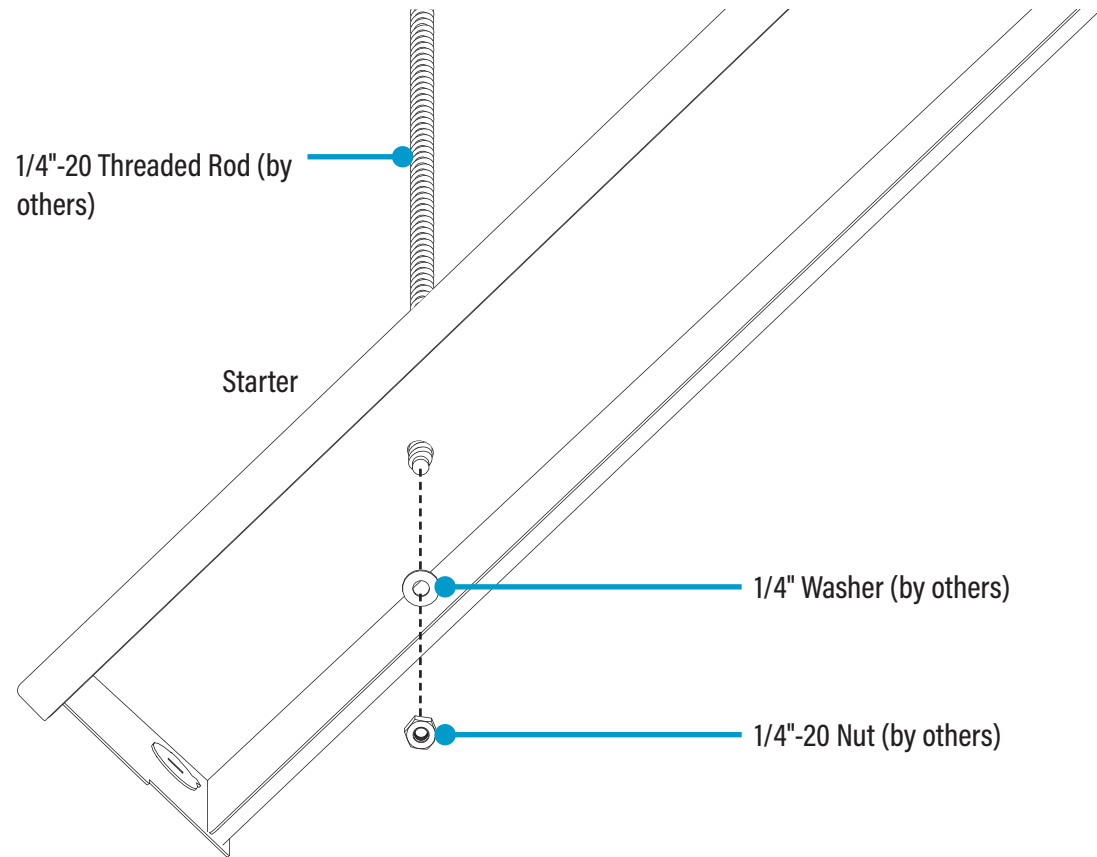
- Carefully rotate backplates out and let them hang from luminaire body.

HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

Step 6 - Mounting Starter to Structure

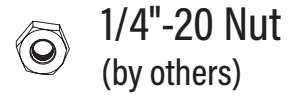
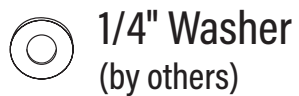
Mount Luminaire Side View

Option 1 - Threaded Rod



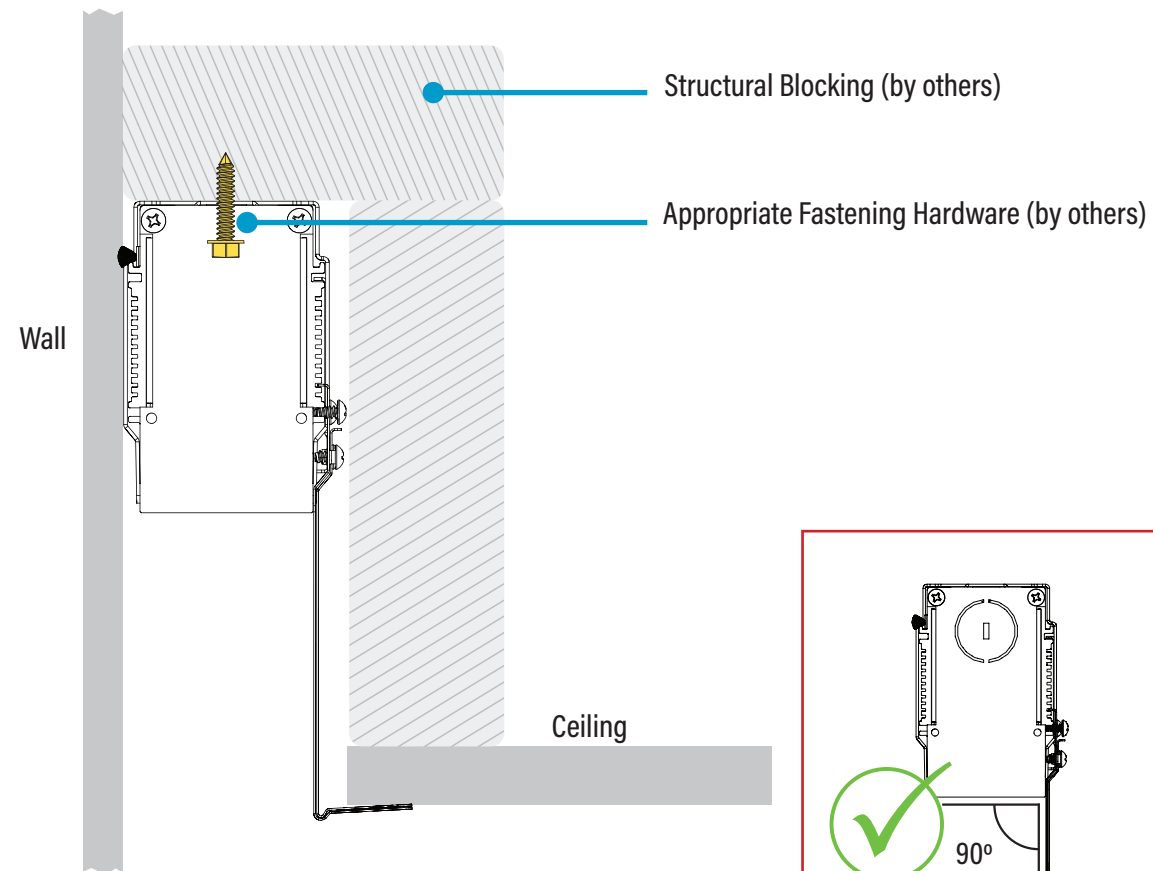
MOUNT TO THREADED ROD (Standard)

- Mount the luminaire to structure using a 1/4\"-20 nut and washer on a threaded rod.
- If there is no joiner/ender, then tighten nuts fully.



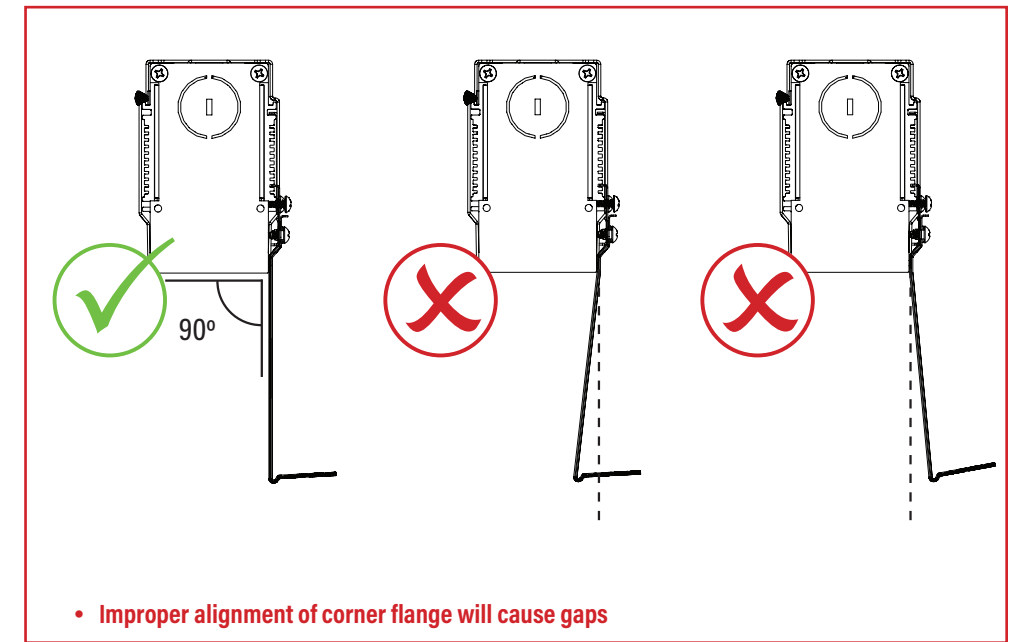
Option 2 - Appropriate Fastening Hardware

Side View



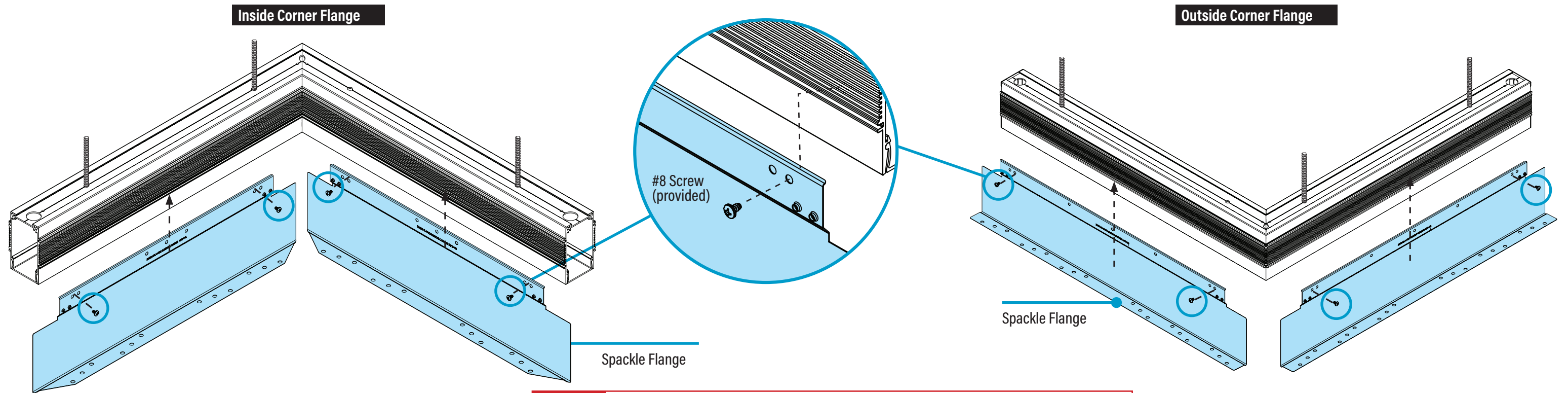
MOUNT TO STRUCTURE (Optional)

- Mount the luminaire to structure using appropriate fastening hardware.
- If there is no joiner/ender, then tighten fully.

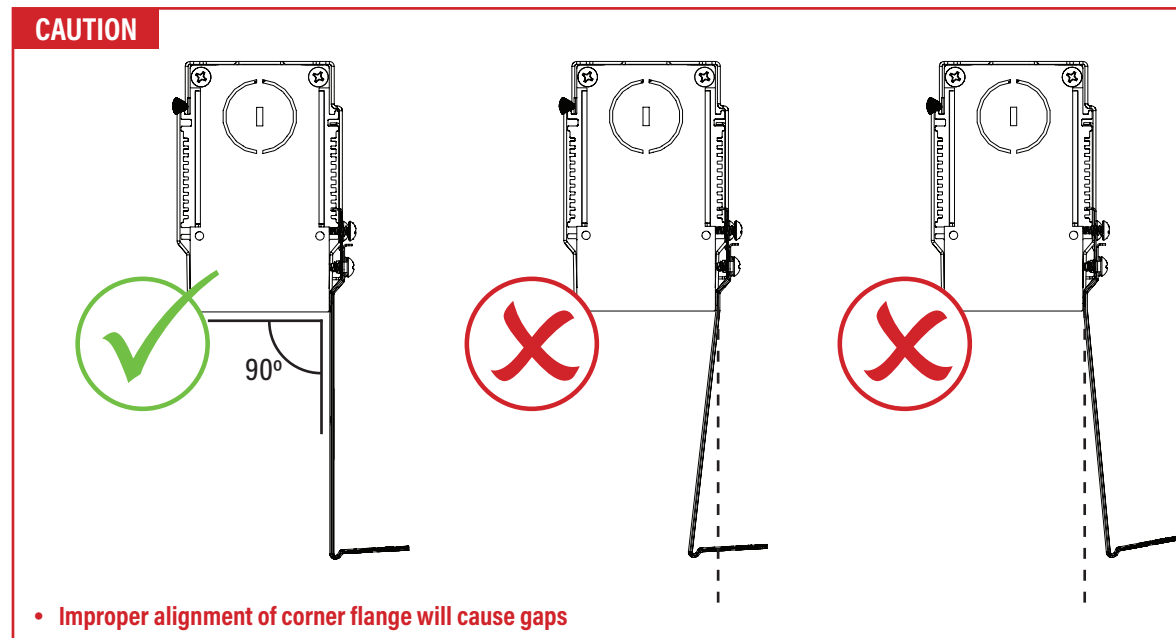



HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

Step 7 - Hanging Spackle Flange Inside and Outside - Corner



- Install Spackle Flange (located in pre-built corner box) on to corner body before hanging
- Remove 2x #8-18 screws that are pre-attached to body and install 2x #8-18 screws to each Spackle Flange to the corner body
- **CAUTION: DO NOT** bend Spackle Flange

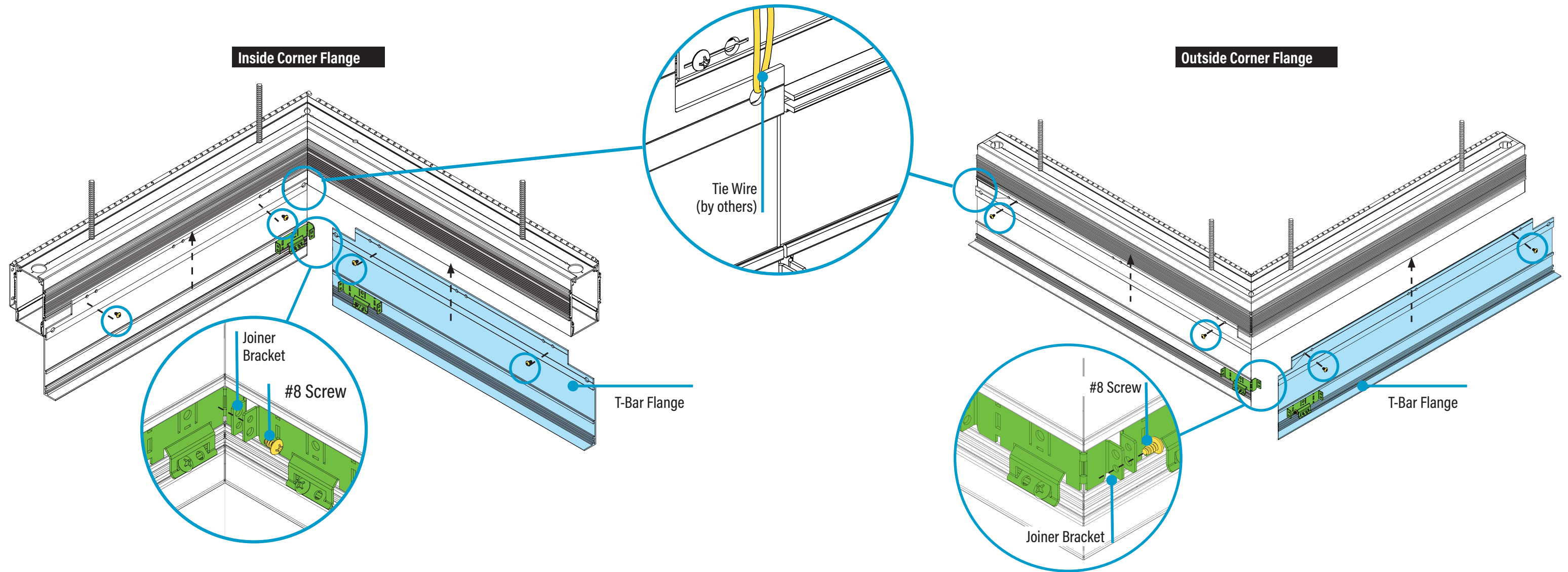


 #8-18 x 1/4" Screw
(provided)


CONTINUED

HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

Step 7 - Hanging T-Bar Inside and Outside - Corner



- Install T-Bar Flange (located in pre-built corner box) on to corner body before hanging
- Install 2x #8-18 screws to each T-Bar Flange to the corner body
- Use #8-18 screw from joiner bracket to secure joiner brackets at corner
- Using the existing hole on the aluminum flange with tie wire to attached to structure, per code

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

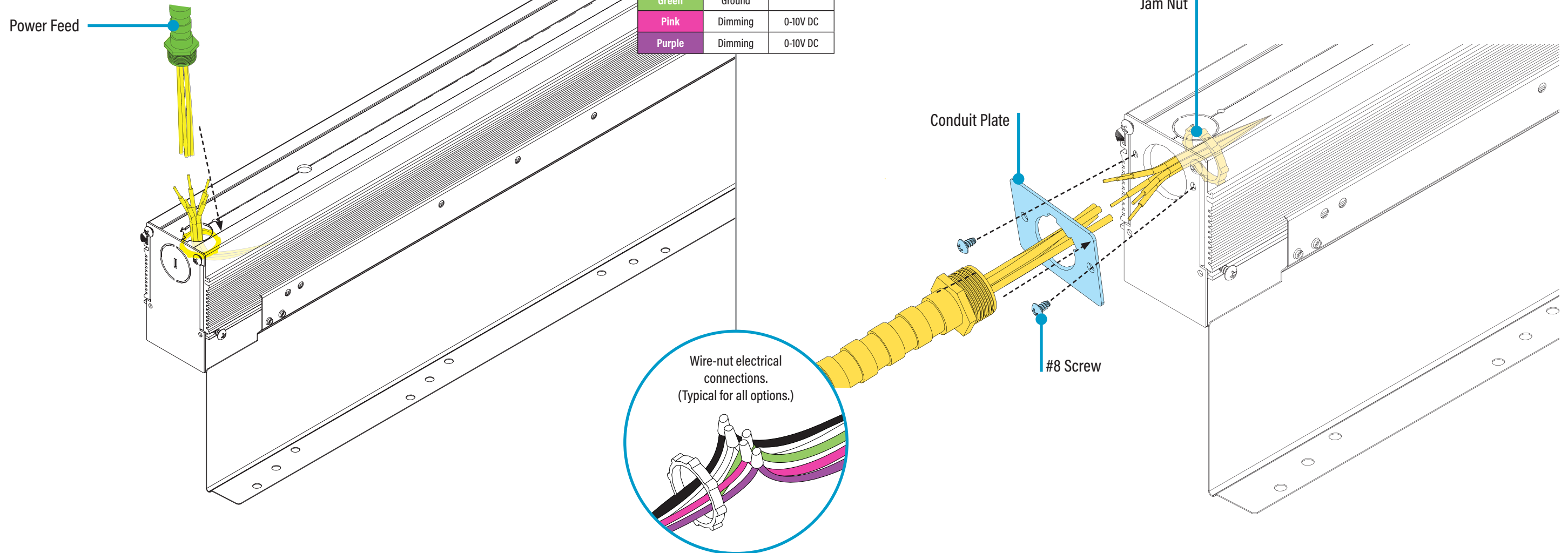
 Extrusion Joiner Bracket
(provided)

HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

Step 8 - Electrical Connections

Electrical Connections Options

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



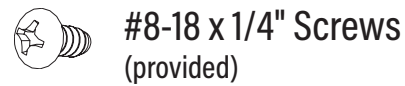
TOP FEED (Standard)

NOTE: Top feed not available on a section with telescoping

- Install conduit and nut onto knock-out
- Wire-nut electrical connections. See wiring legend above.
- Do not damage any wires.

CONDUIT PLATE - ENDCAP*

- Remove two screws holding conduit plate.
- Install conduit and jam nut onto conduit plate.
- Wire-nut electrical connections. See wiring legend above.
- Reinstall conduit plate and screws. Do not damage any wires.



0-10V
Dimming

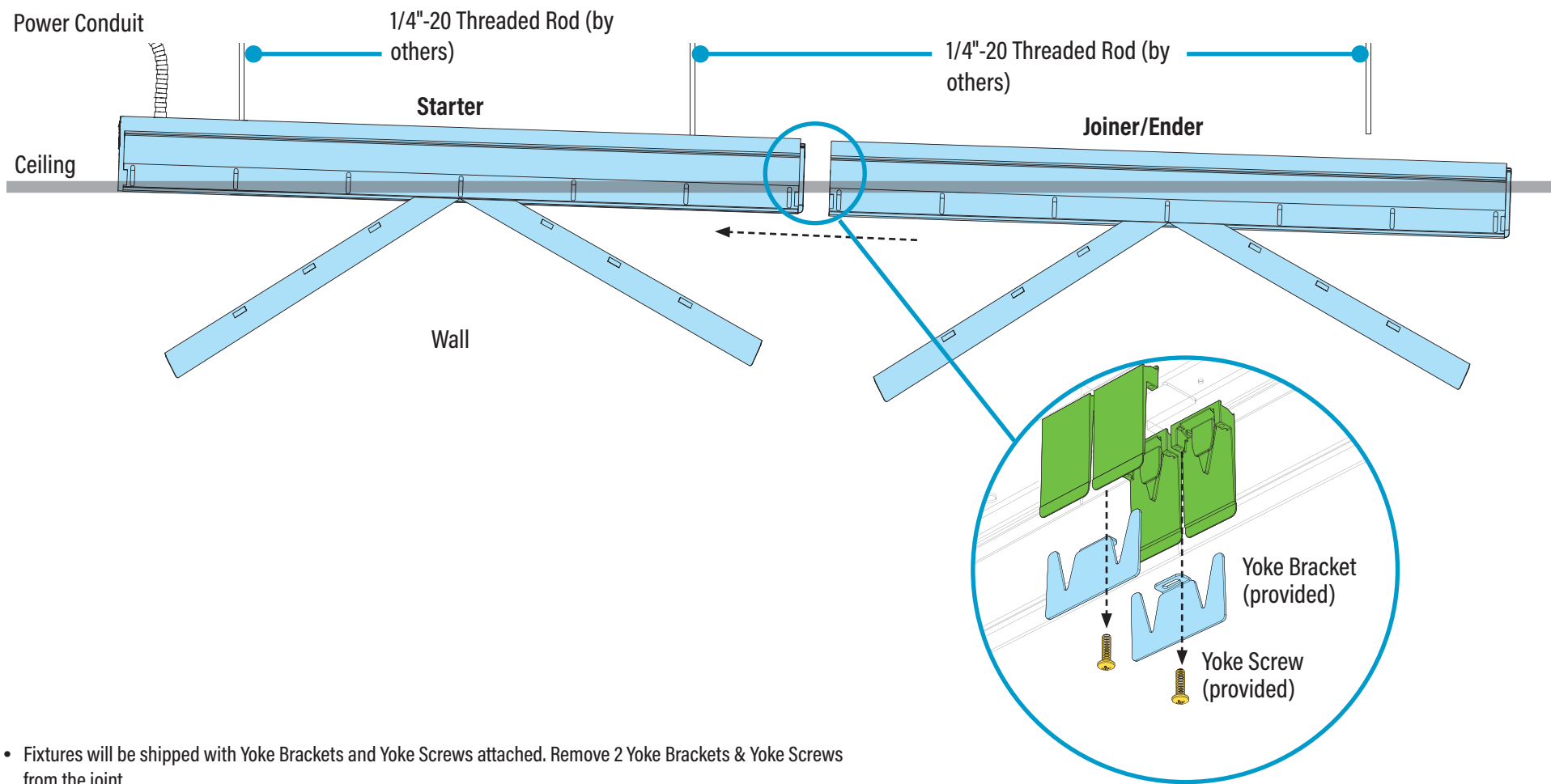
* Telescoping is only available with Endcap feed option

HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

Step 9 - Joining Luminaires

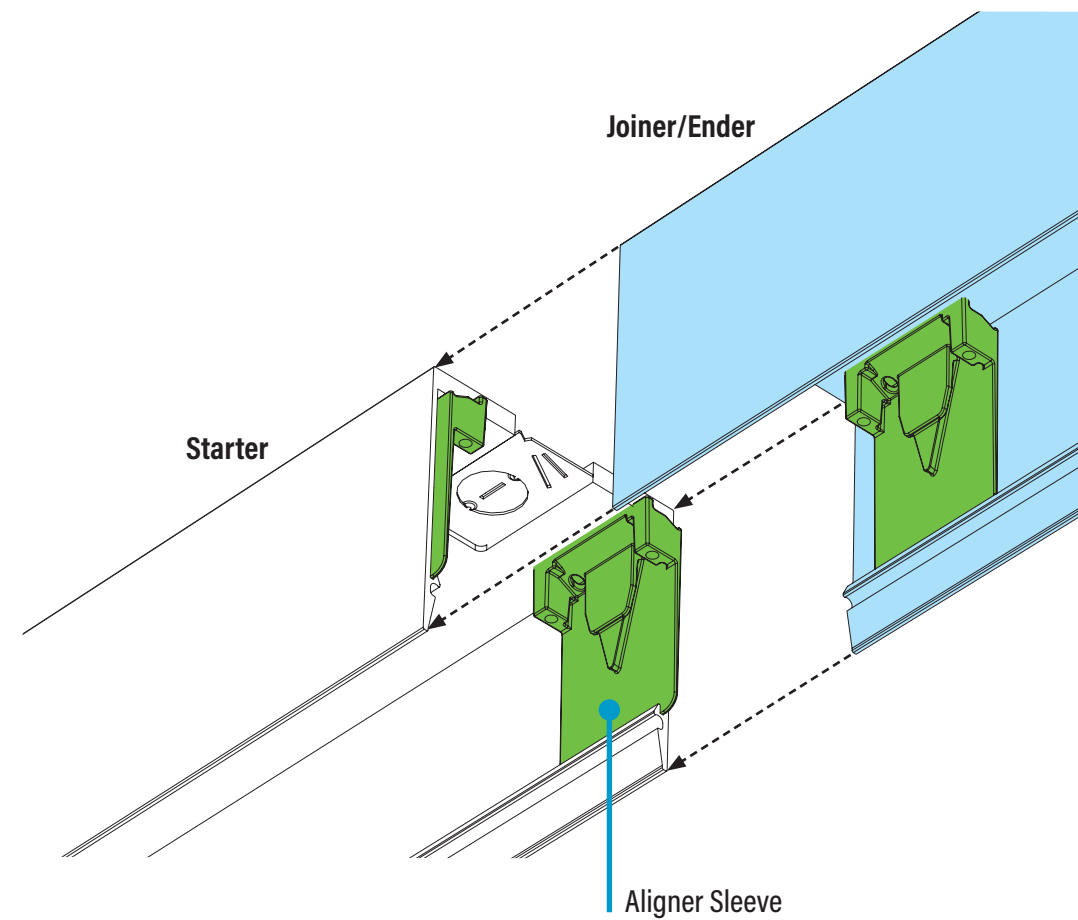
A. Mount Joiner/Ender to Structure

CAUTION  **DO NOT** attempt to join luminaires together on the floor. Damage may result when lifted. Follow these instructions.






- Fixtures will be shipped with Yoke Brackets and Yoke Screws attached. Remove 2 Yoke Brackets & Yoke Screws from the joint
- While properly supporting luminaire, maneuver luminaire near wall opening.
- If necessary, loosen bolts on previous luminaire so that it can hang out of the opening at an angle.
- After installing a joiner, return to previous luminaire and tighten.

B. Join Luminaires




- Align joiner/ender with aligner sleeves on starter and slide together. Be careful not to damage any wiring.
- If necessary, **lift** both luminaires, then slide together.

Mounting Option 1

-  Threaded Rod (by others)
-  1/4"-20 Washer (by others)
-  1/4"-20 Nut (by others)

Mounting Option 2

-  1/4"-20 Lag Bolt (by others)

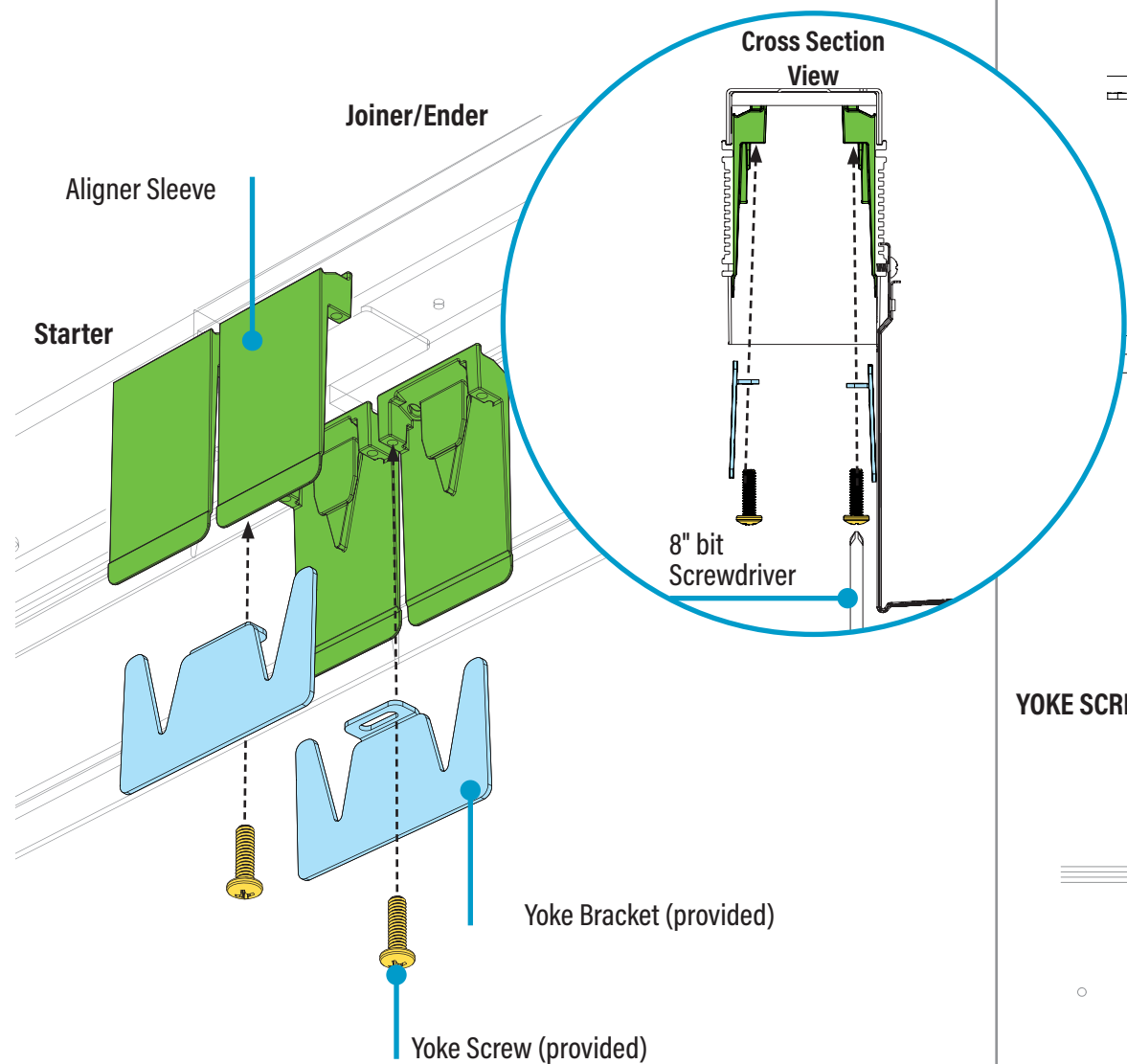
-  Yoke Bracket (provide)

CONTINUED

HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

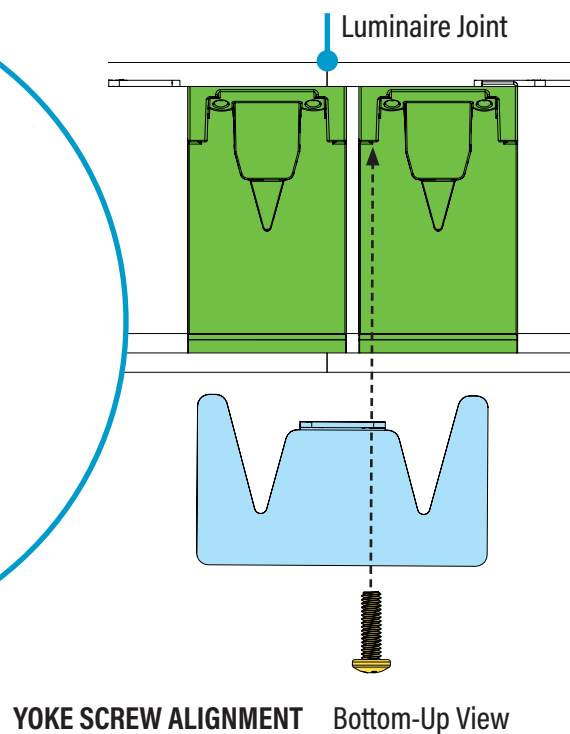
Step 9 - Joining Luminaires

A. Secure Joint with Yoke Brackets

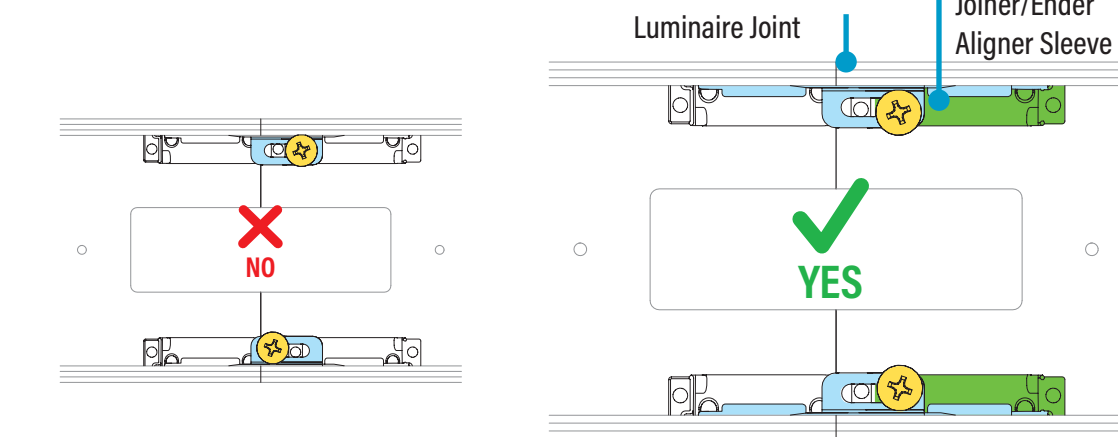


- Before installing yoke brackets, ensure the joining ends of luminaires meet flush and square.
- **CRITICAL:** Ensure yoke brackets properly engage with aligner sleeves.
- Secure joint by using a screwdriver¹ to tighten yoke screws through yoke brackets and into the aligner sleeves until joint seam of luminaire is closed.

IN ALIGNMENT

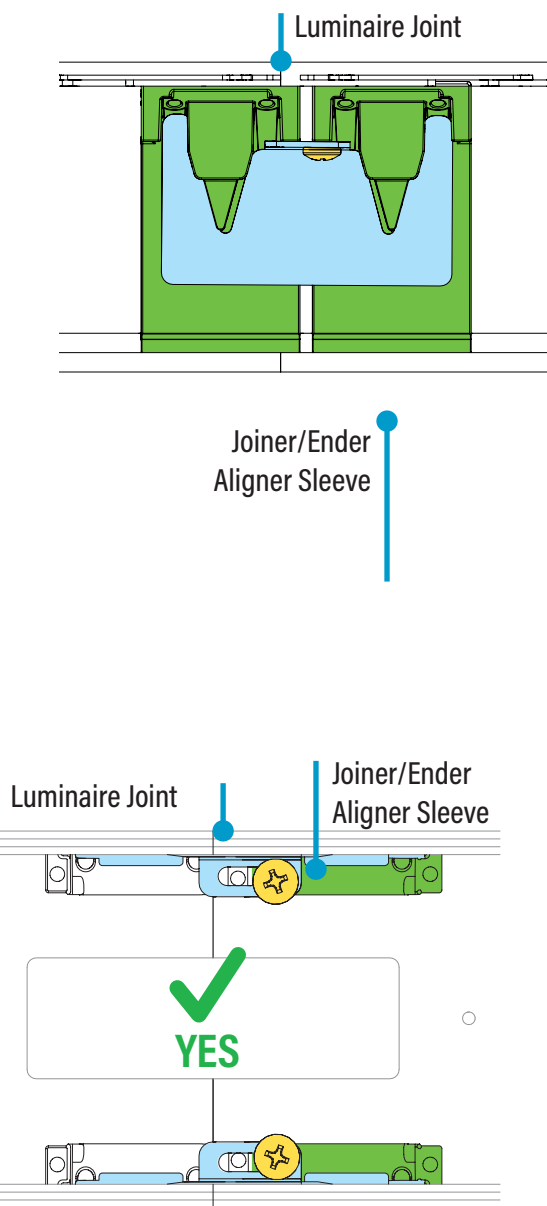


YOKE SCREW ALIGNMENT Bottom-Up View

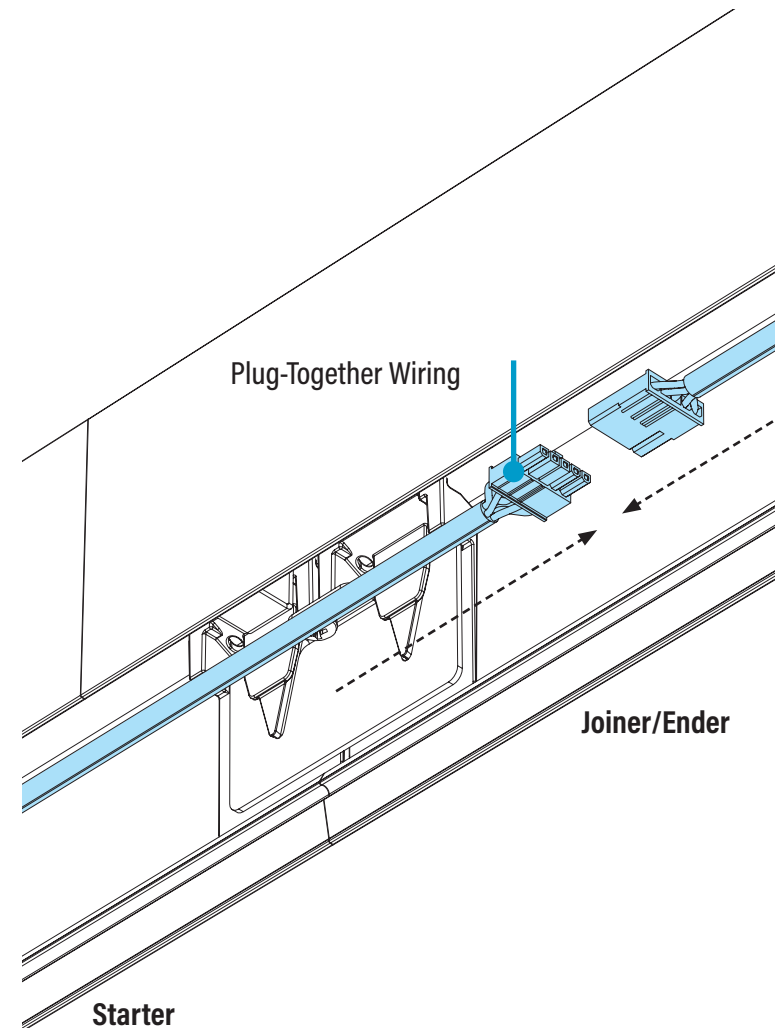


NOTE: Yoke screws should be installed directly across from each other, not diagonally, and in holes furthest from the joint line. One yoke screw per one yoke bracket.

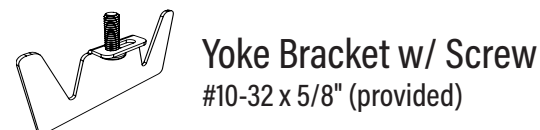
CORRECTLY INSTALLED



B. Make Electrical Connections



- Connect plug-together wiring.



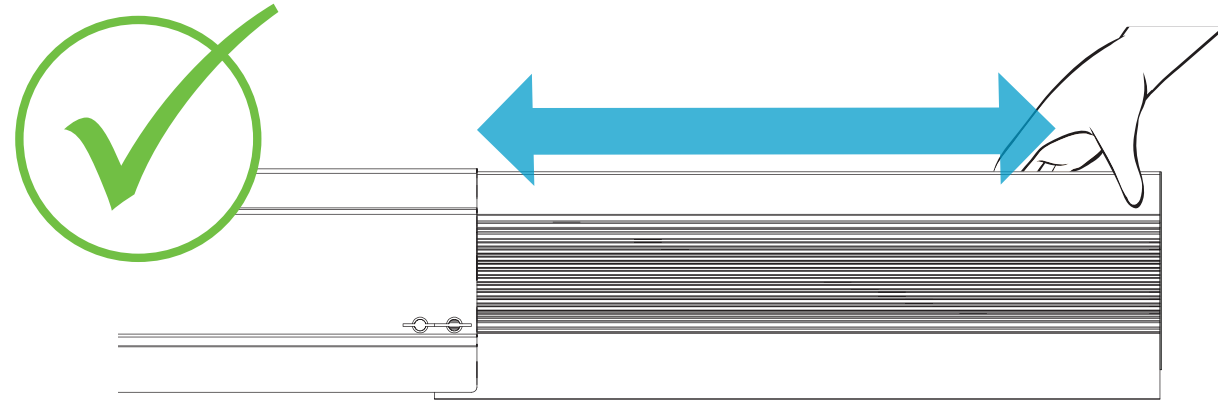
¹ Screwdriver with 6" bit required.

CONTINUED

HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

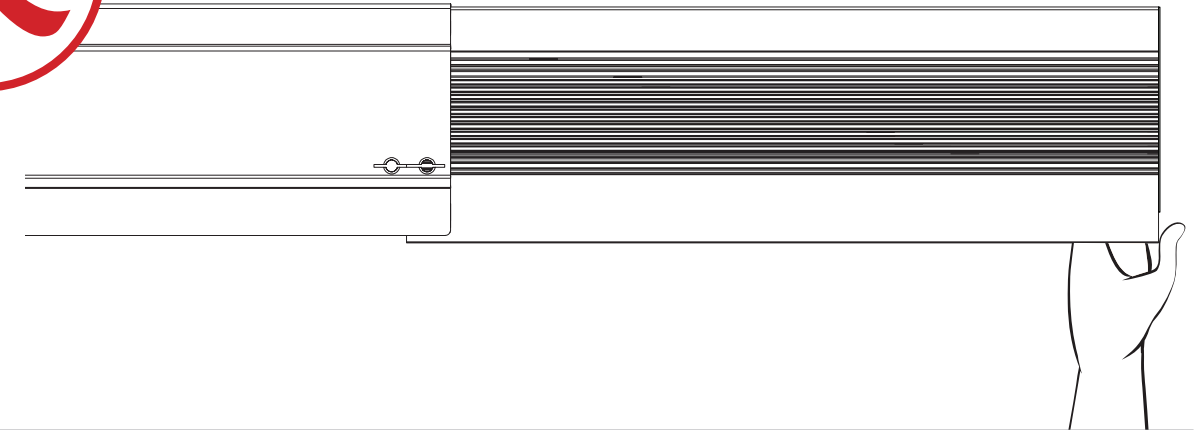
Step 10 - Telescoping Installation

A. Adjust Telescope into Desired Position



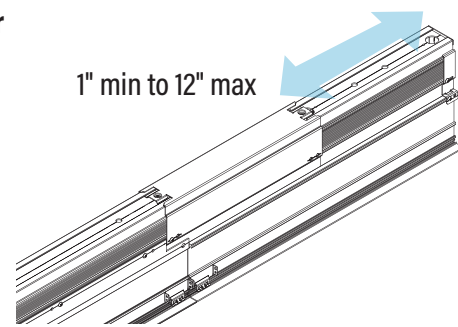
CAUTION

DO NOT PULL ON THE ENDCAP OF THE TELESCOPE

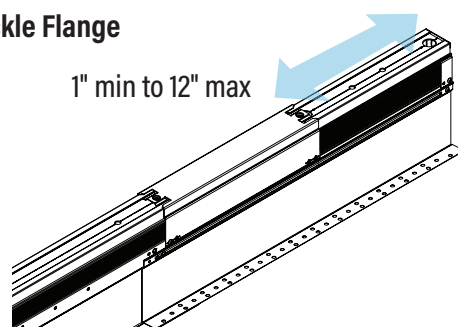


- By pull and push on the aluminum housing, adjust the telescope into the desired position.
- **CAUTION: DO NOT** pull the endcap of the telescope. It might damage the endcap.

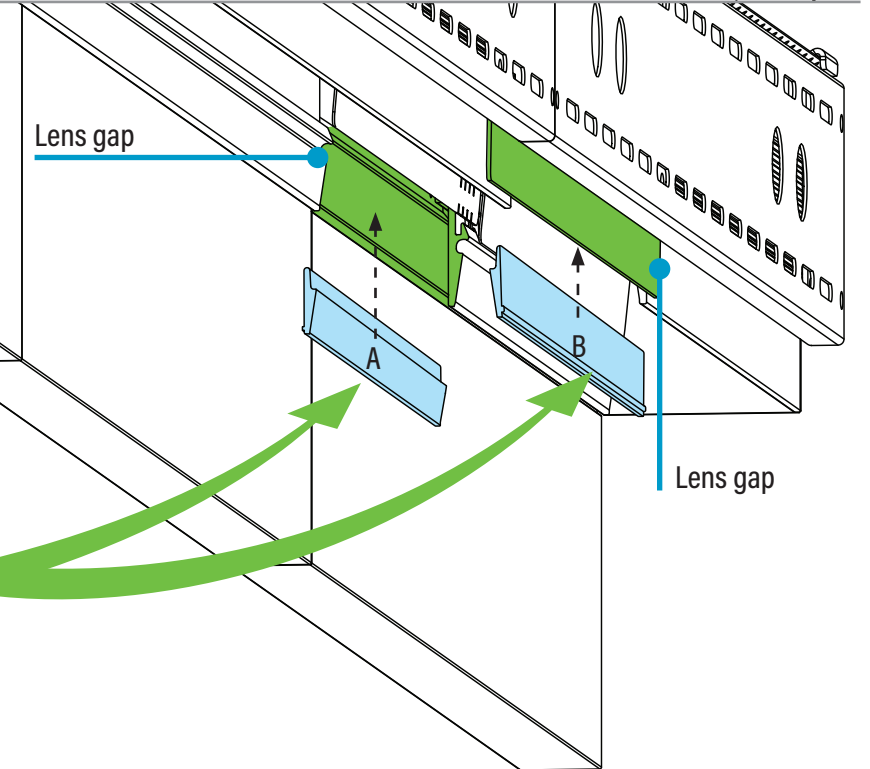
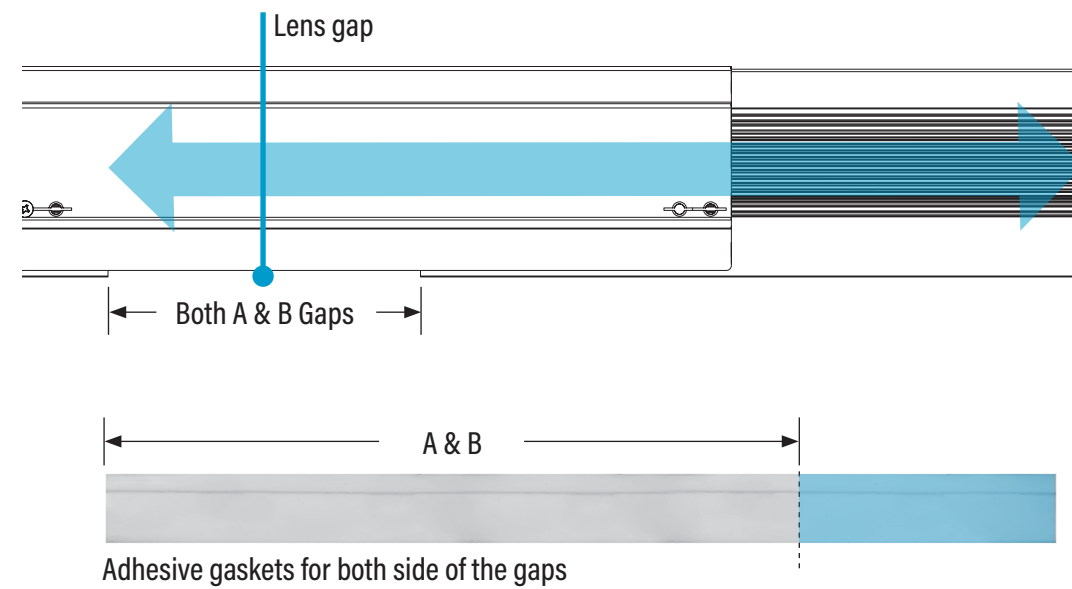
T-Bar



Spackle Flange



B. Install Adhesive Gasket at Both Sides of the Gap



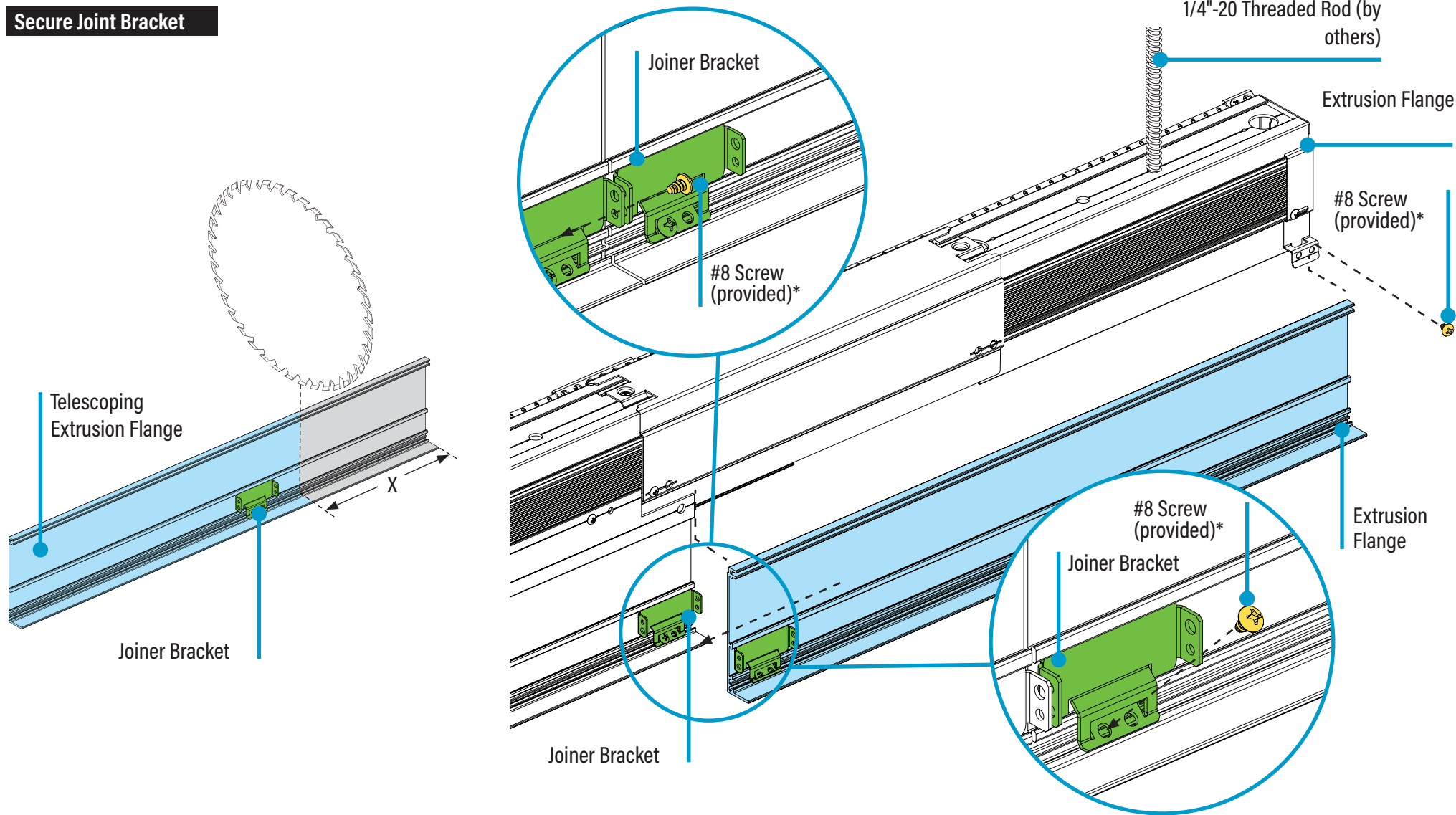
- Telescoping adds a minimum of 1" and maximum of 12" to the run length

- Measure out the needed gaskets (A) & (B) to fill the lens gap on both sides. Then cut and remove peelable adhesive on the gasket.
- Place telescoping gaskets on the missing lens gap on both side of the luminaire.

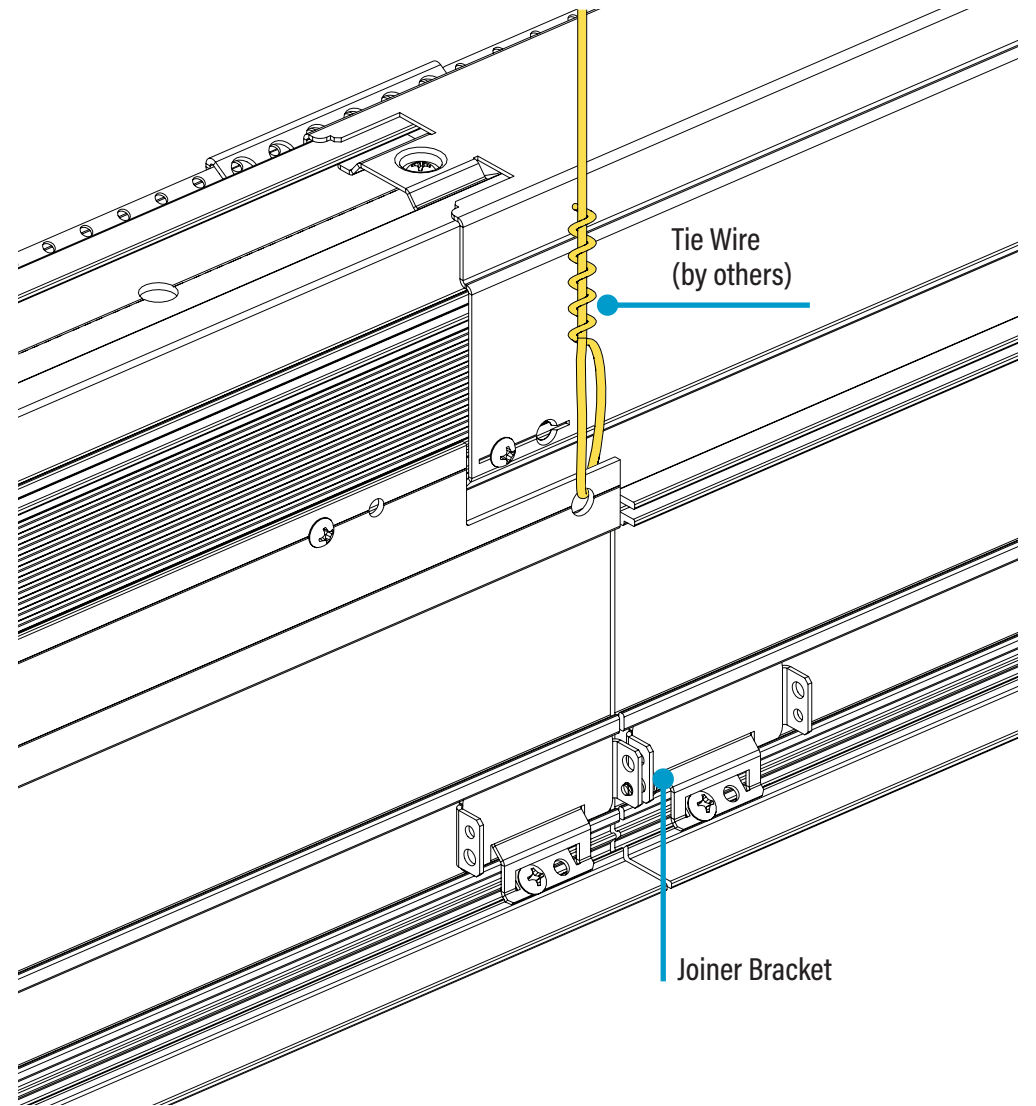
HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

Step 10 - Telescoping Installation

Secure Joint Bracket




Tie Wire - T-Bar Only



- Cut Telescoping Extrusion Flange to desired length (X) using tool. Flange is an aluminum extrusion.
- Remove #8-18 screws* from the Joiner Bracket of Extrusion Flange
- Slide the Extrusion Flange to connect to the luminaire and secure the Extrusion Flange with #8-18 screws
- Slide Joiner Bracket into position and reinstall #8-18 screws to secure Joiner Bracket location
- Install #8-18 screw(s) to join Joiner Bracket

- Using the existing hole on the luminaire with tie wire to attached to structure, per code

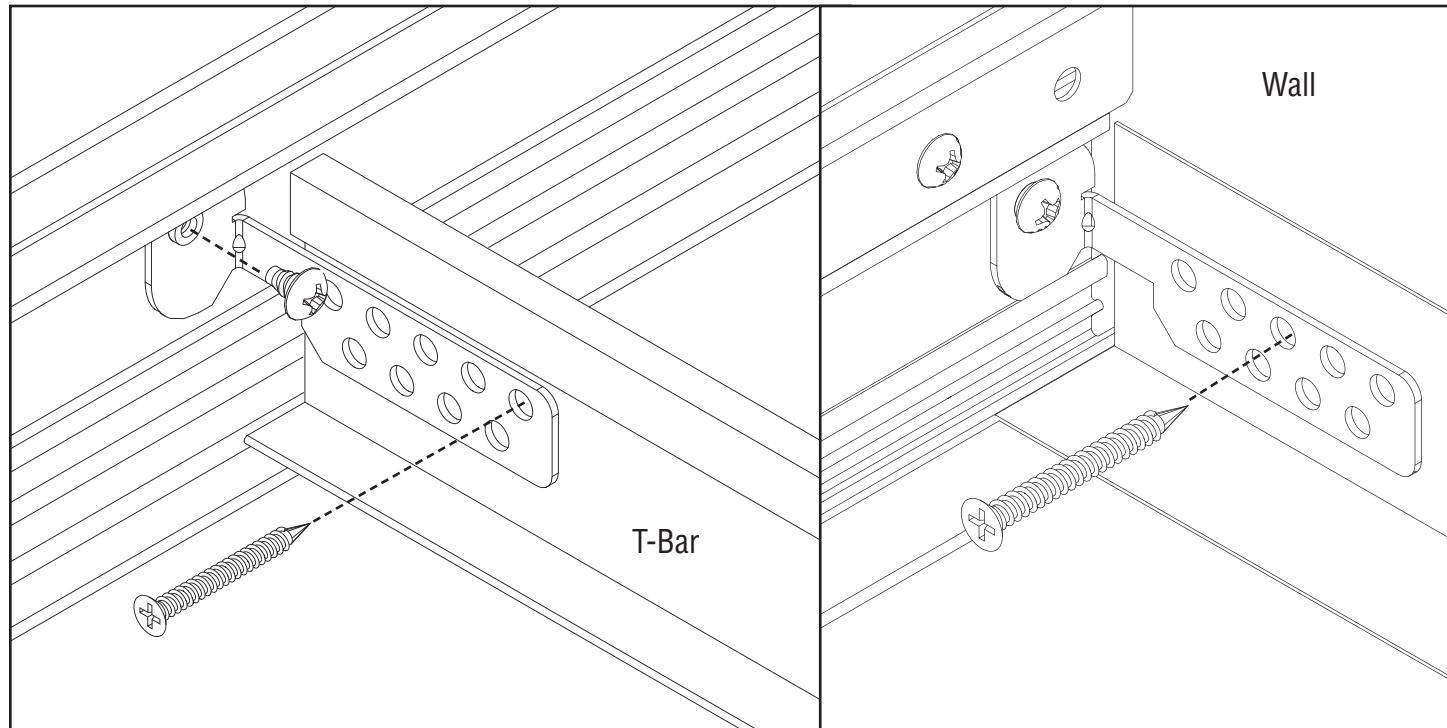
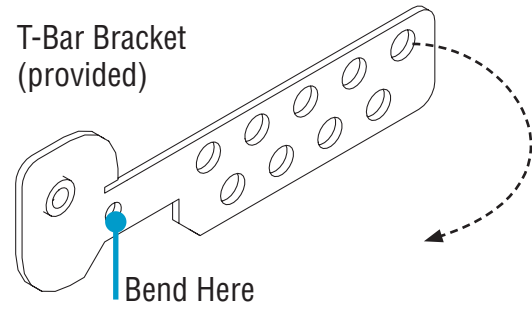
 #8-18 x 1/4" Screw
(provided)

* #8-18 x 1/4" screws are preinstall at Joiner Bracket & Extrusion. Remove #8-18 screws before install.

HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

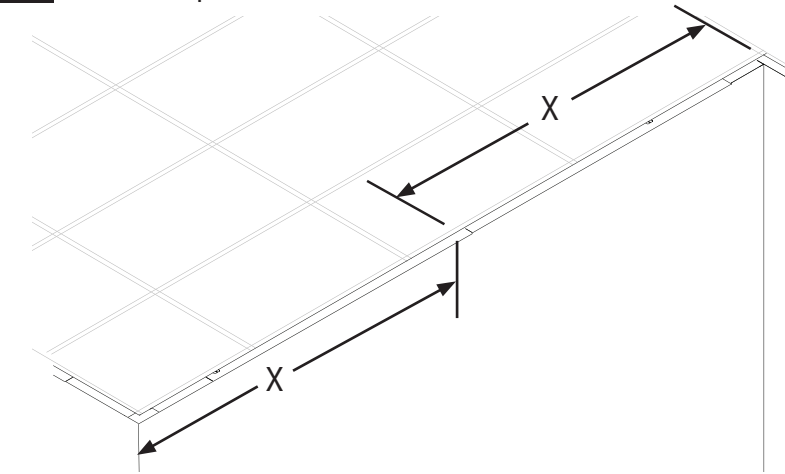
Step 11 - Closing Luminaires (T-Bar only)

Connect to T-Bar Top View

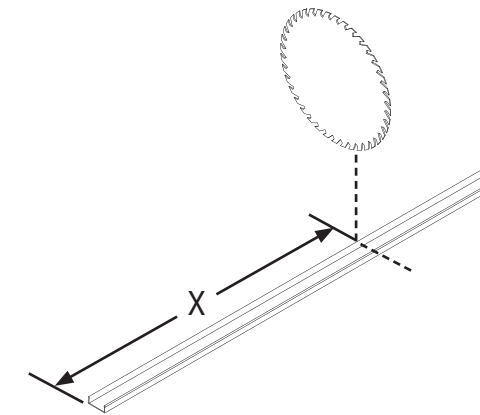


- Fasten T-Bar to T-Bar extrusion using T-Bar brackets.
- Twist brackets into extrusion and pin them to the T-Bar extrusion using #8-18 x 1/4" screws.
- Secure T-Bar to T-Bar brackets using self-drilling screws.
- For edging at the wall, use appropriate #10 screws through brackets and edging into wall.

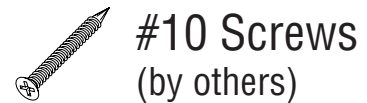
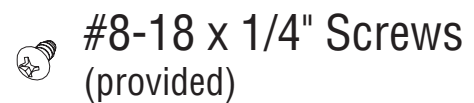
B. Measure Diffusers Bottom-Up View



- Diffuser measurement "X" will vary.



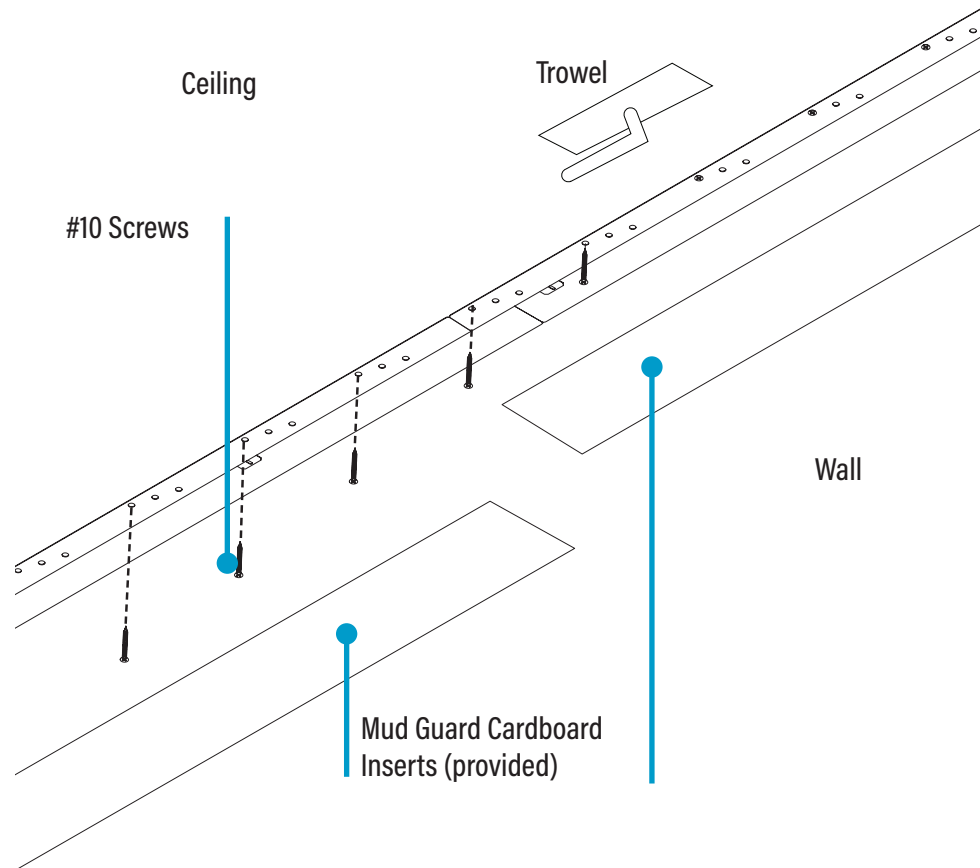
- Diffuser length **X** is always measured along the longest edge.
- Measure the overall length for square-edged lengths.
- Measure from the square edge to the tip of a mitered edge.
- Cut the diffuser to **X** minus 1/16". For example, if **X** is 8'6", cut the diffuser to 8' 5-15/16".
- This difference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



HP-2 WS Perimeter Slot Threaded-Rod Installation Instructions

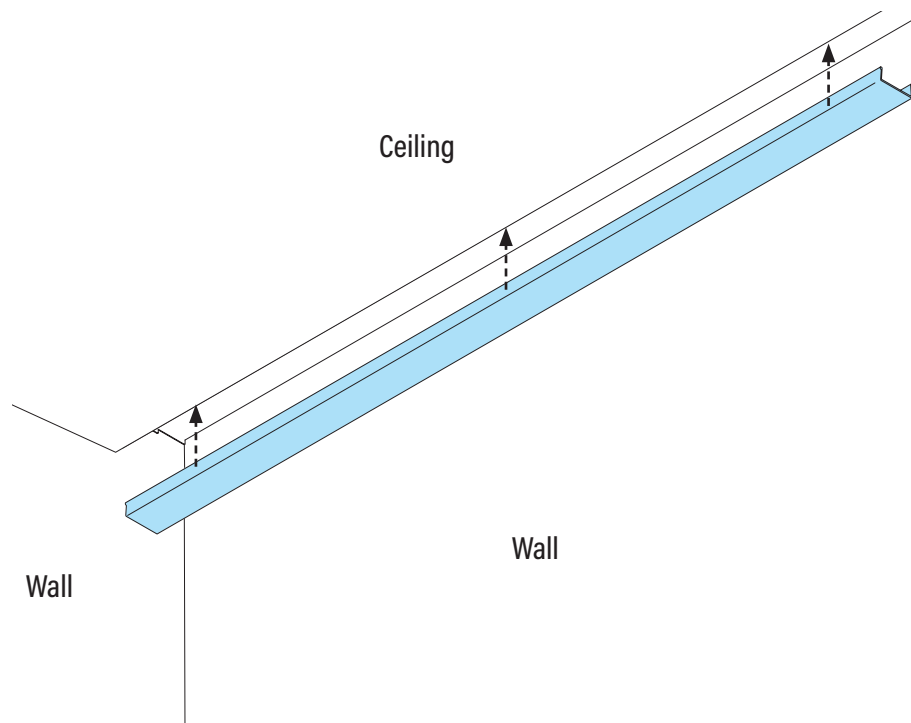
Step 11 - Closing Luminaires (Spackle Flange Only)

Spackle Flange Only Bottom-Up View



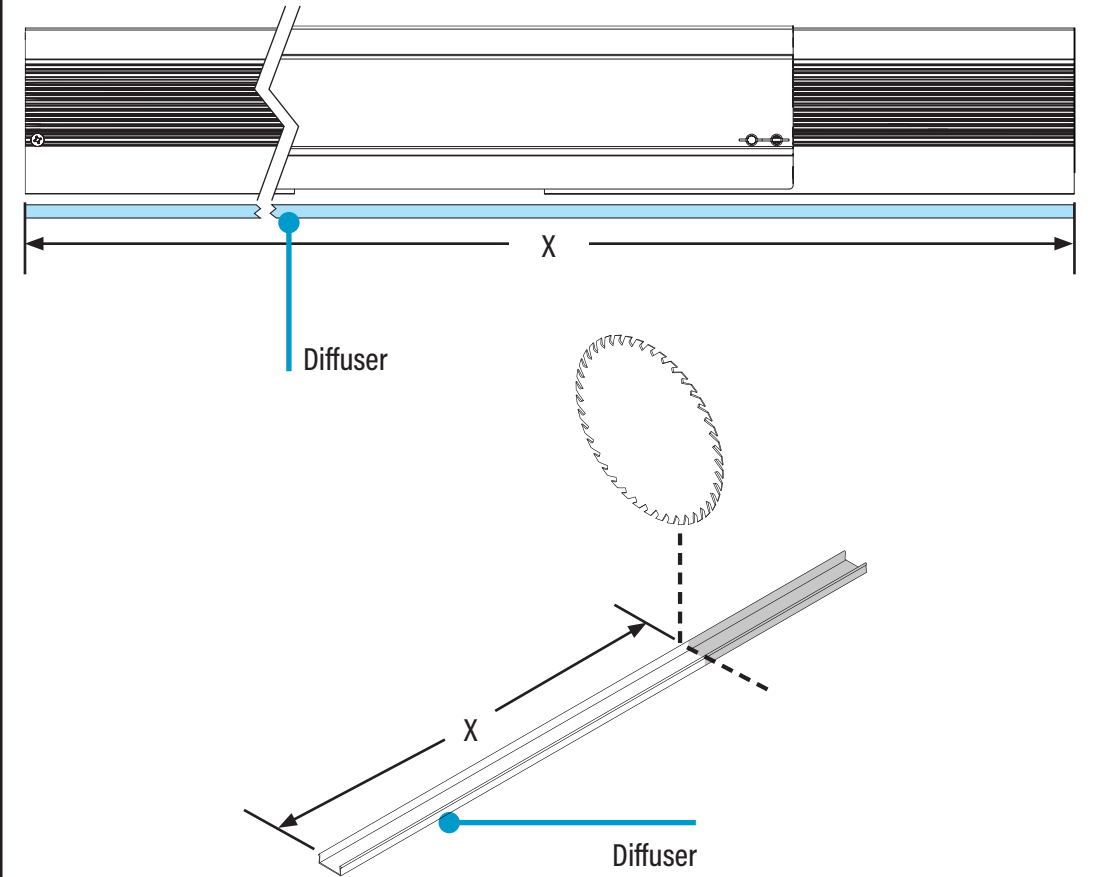
- Attach spackle flange to drywall ceiling using appropriate #10 screws.
- Re-install the mud guard cardboard inserts to help prevent spackle and paint from getting into the luminaire.
- Spackle to cover the flange.
- Perform all spackling and painting to walls and ceiling before removing "mud guards"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

Install Diffusers Bottom-Up View



- Install diffusers
- **CAUTION:** Wear gloves to keep diffuser.
- **CRITICAL:** Be sure to install correct diffuser to its corresponding luminaire ID.
- Turn power on to luminaire.

Telescoping Only - Measure & Cut Diffusers

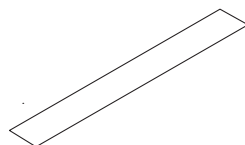


Telescoping only

- Diffuser length X is always measured along the longest edge.
- Measure the overall length for square-edged lengths.
- Cut the diffuser to X and install diffuser
- **CAUTION:** Wear gloves to keep diffuser.
- **CRITICAL:** Be sure to install correct diffuser to its corresponding luminaire ID.
- 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.



Spackle Flange Only
#10 Screws
(by others)



Spackle Flange Only
Mud Guard
(provided)