Step 3
Starter Luminaires
Page 6

Step 6
Straight Telescope
Page 13-14

Step 5A
Inside Corner
Page 9-10

Step 4
Joining Luminaires
Page 7-8

Stud

Step 7
Luminaire Closure
Page 15

Step 2
Feed Locations & Options
Page 4-5

Step 1
Wall Rail Mounting & Location
Page 2-3

Step 5B
Outside Corner
Page 11-12

Wall

Helpful Video

Patent Pending

0-10V Dimming

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.
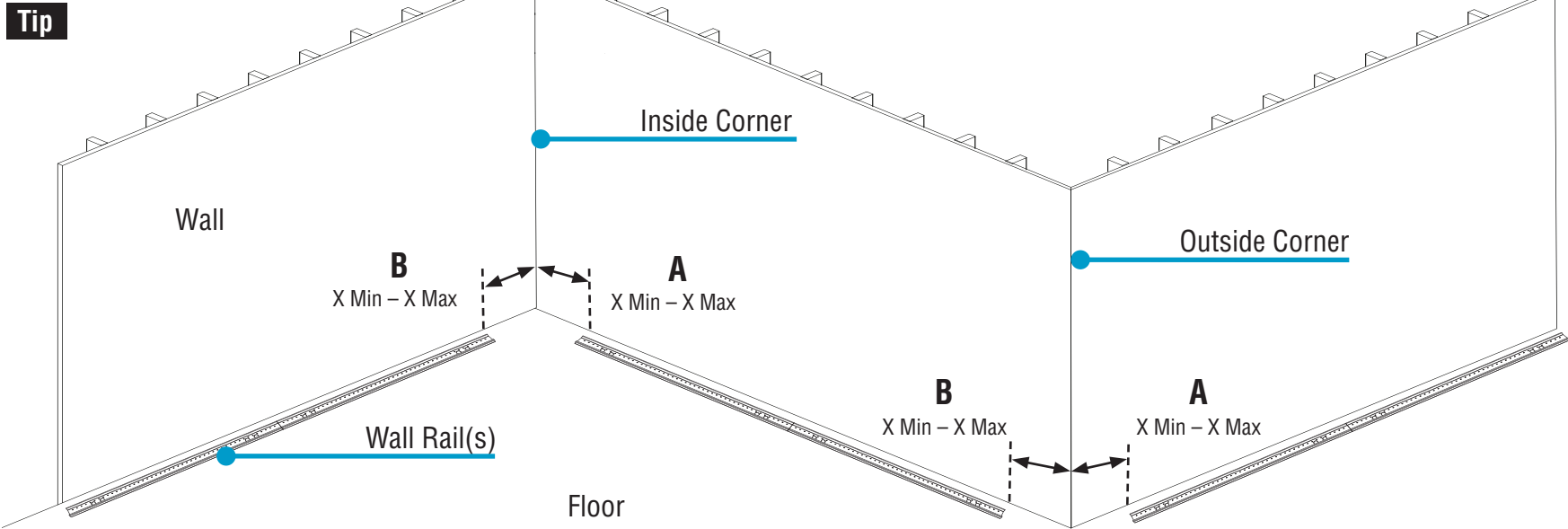
HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions
Step 1 - Wall Rail Mounting Location
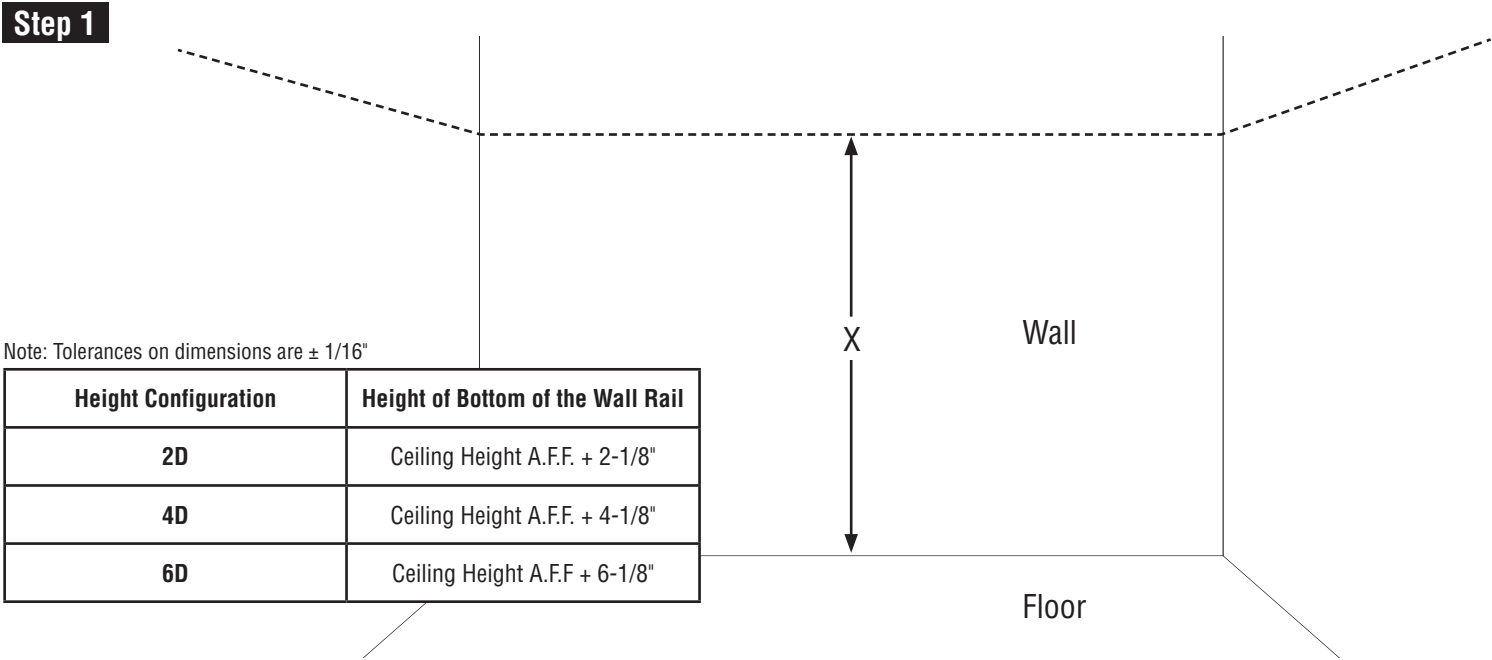
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Tip

Inside Corner

Outside Corner

Wall

B
X Min – X Max

A
X Min – X Max

B
X Min – X Max

A
X Min – X Max

Wall Rail(s)

Floor

Distance between wall rail and nearest perpendicular wall.

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

	Outside Corner: X Min – X Max = End of wall rail to wall	
Luminaire Width Configuration	**X Min**	**X Max**
4W	1"	8"
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"

Height Configuration	Height of Bottom of the Wall Rail
2D	Ceiling Height A.F.F. + 2-1/8"
4D	Ceiling Height A.F.F. + 4-1/8"
6D	Ceiling Height A.F.F + 6-1/8"

X

Wall

Floor

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

Step 2

1/16"

Wall Rail

Stud

X

Wall Rail(s)

Reference Line (AFF)
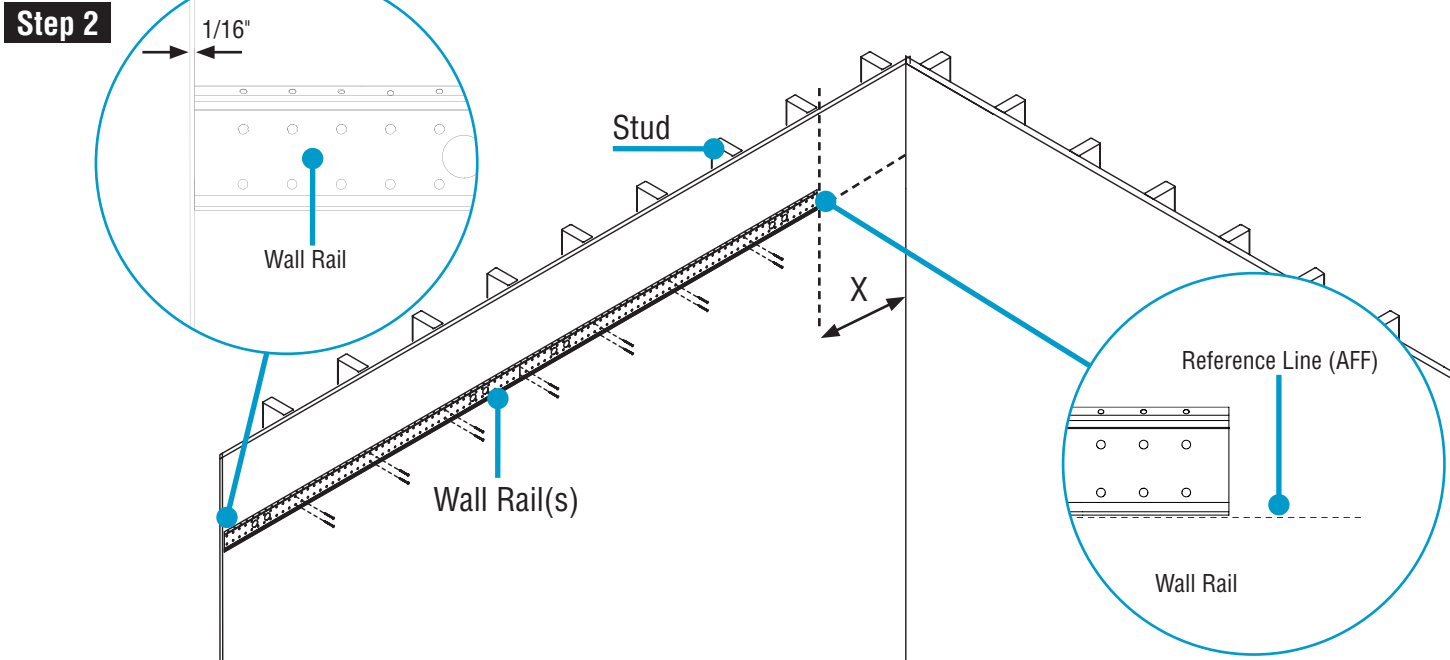
Wall Rail

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

CONTINUED
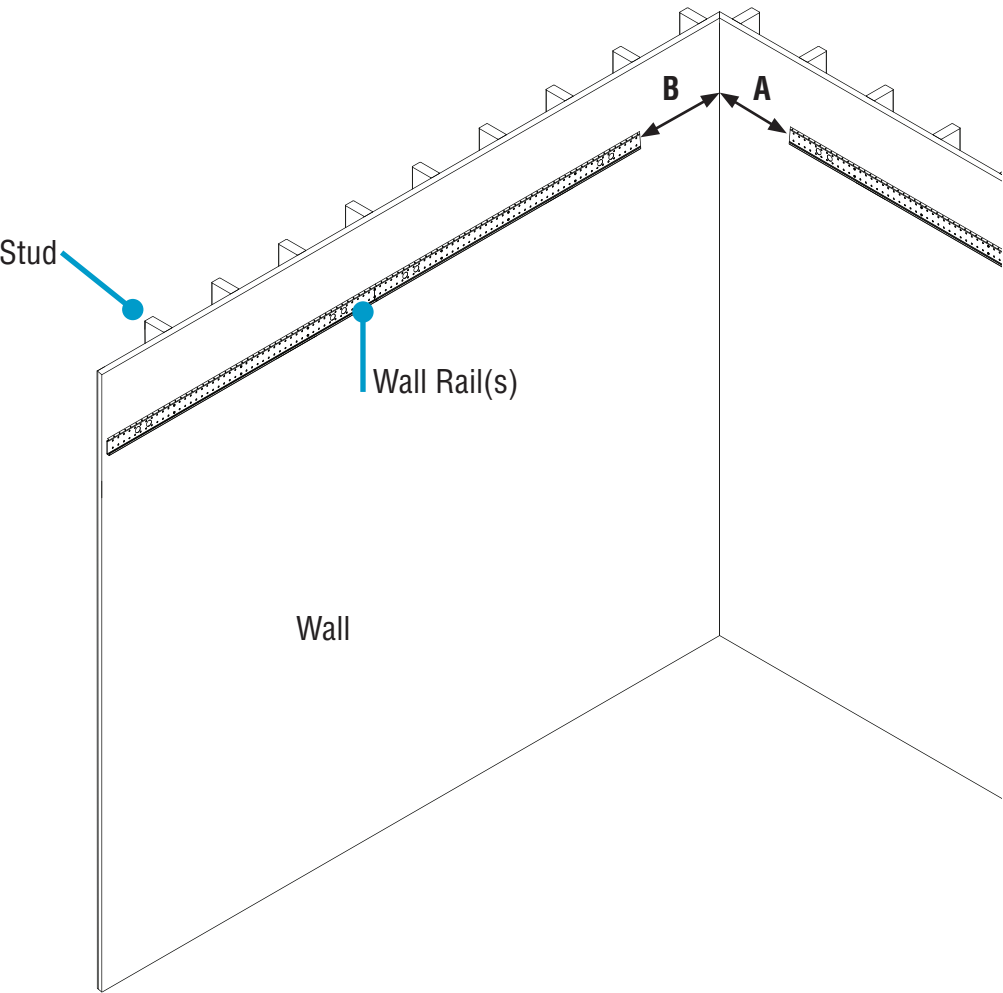
#10 Screws
(by others)

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

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Mounting

Stud

Wall Rail(s)

B   A

Wall

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

Corner Wall Rail

"**B**" Corner Wall Rail

"**A**" Corner Wall Rail
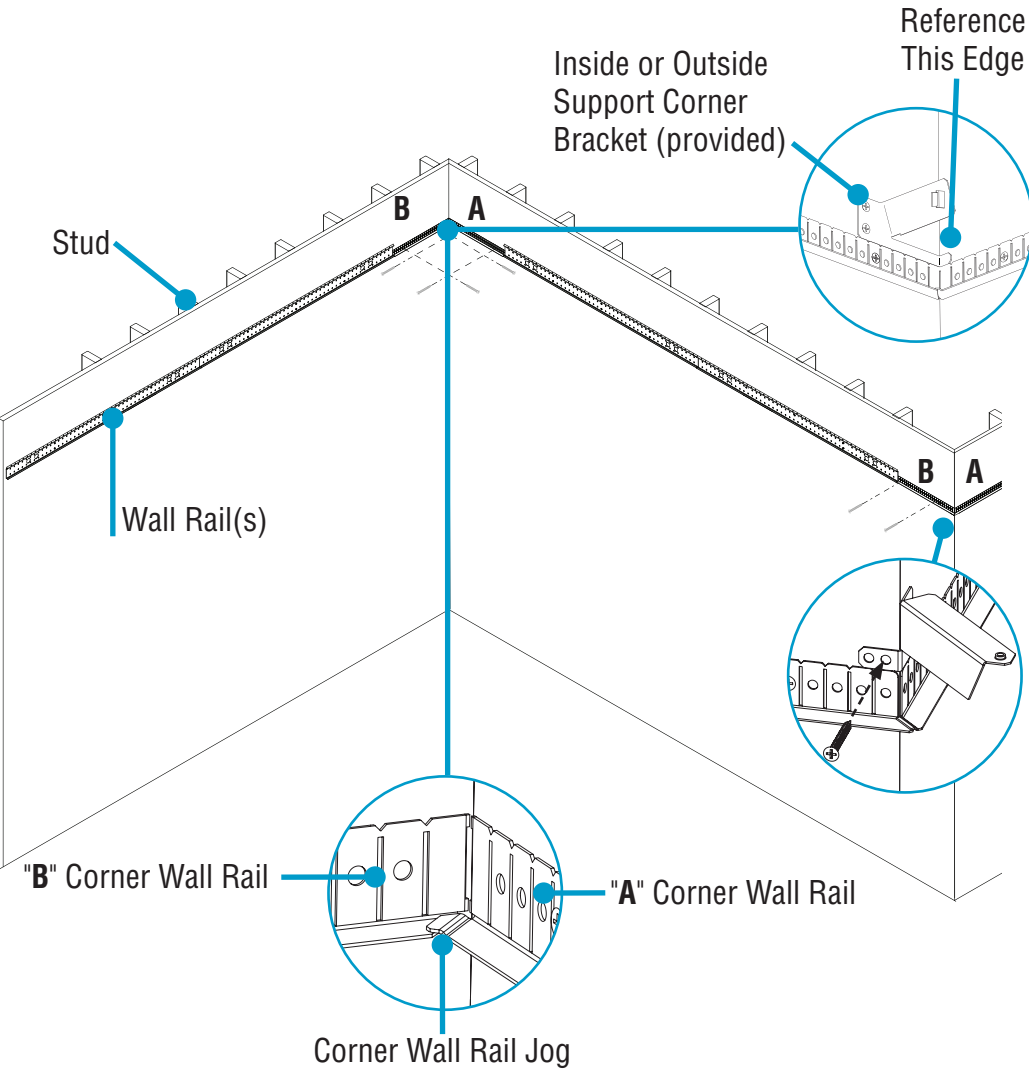
Jog

"**A**" Corner Wall Rail

"**B**" Corner Wall Rail

Jog

A

Jog

B
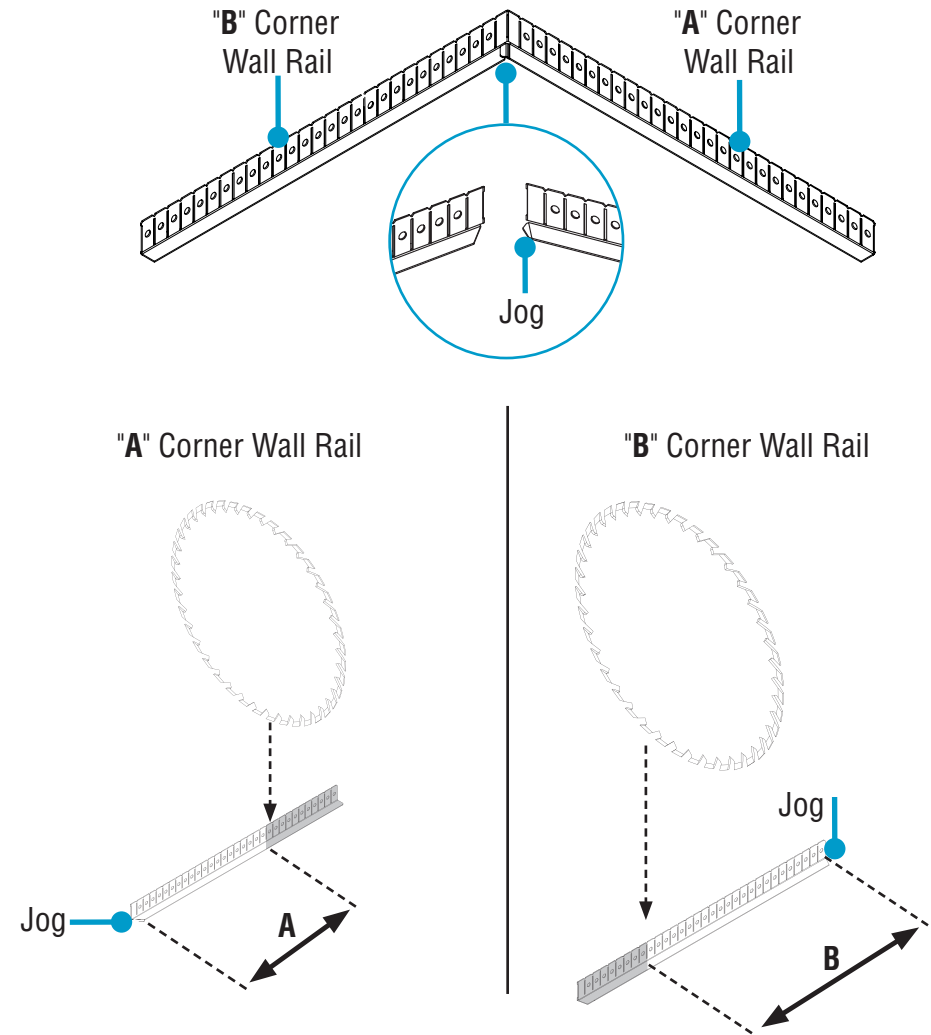
Separate the corner wall rail in half.

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

Inside or Outside Support Corner Bracket (provided)

Reference This Edge

Stud

B   A

Wall Rail(s)

B   A

"**B**" Corner Wall Rail

"**A**" Corner Wall Rail

Corner Wall Rail Jog

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.
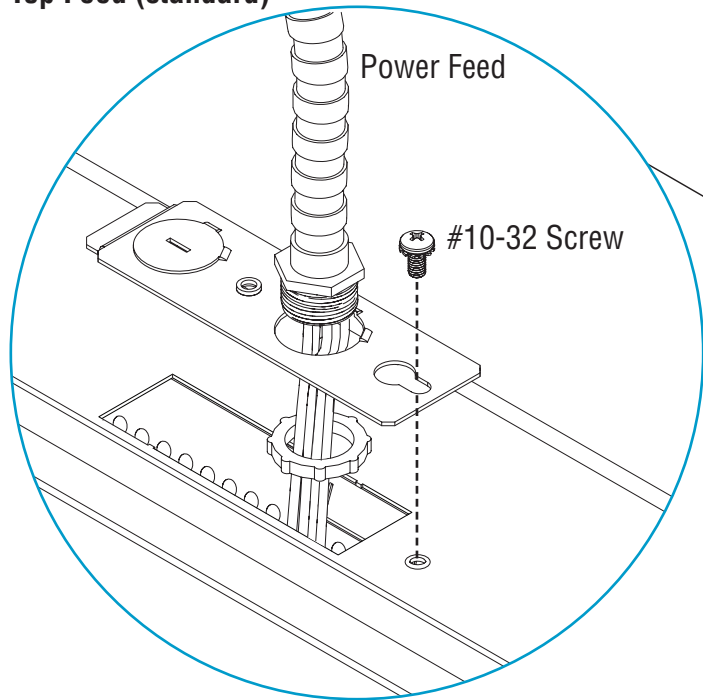
#10 Screws
(by others)
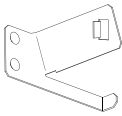
Wall Support
Corner Bracket
(provided)

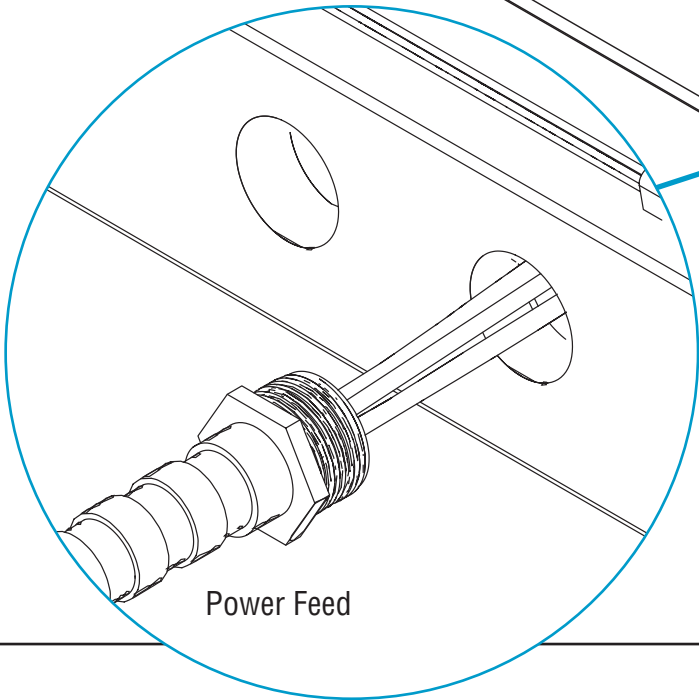**Note**: All power connections to be installed to local/national codes by a Certified Electrician.

Step 2 - Feed Locations & Options

Top Feed (standard)

Power Feed

#10-32 Screw

Wall Feed (optional)

Power Feed

Endcap Feed (optional)

#8-18 x 1/4" Screw
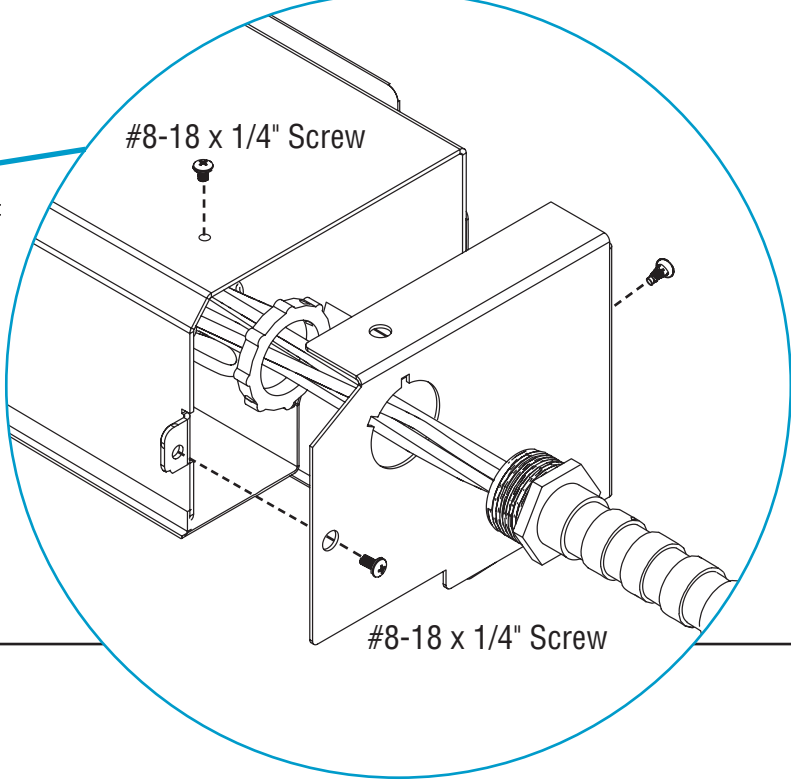
#8-18 x 1/4" Screw

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

#10-32 Screw
(provided)

CONTINUED

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

Top Feed Top View

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

C   6"   Top Feed (standard)   Wall

2"

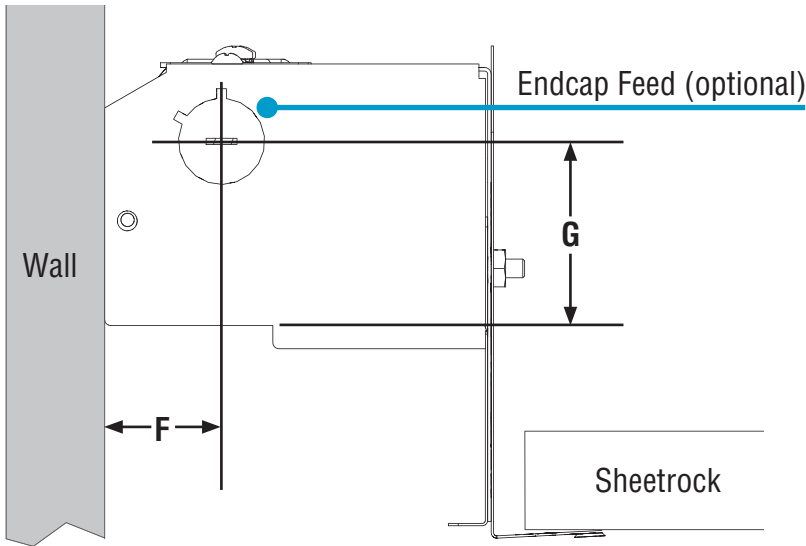Spackle Flange
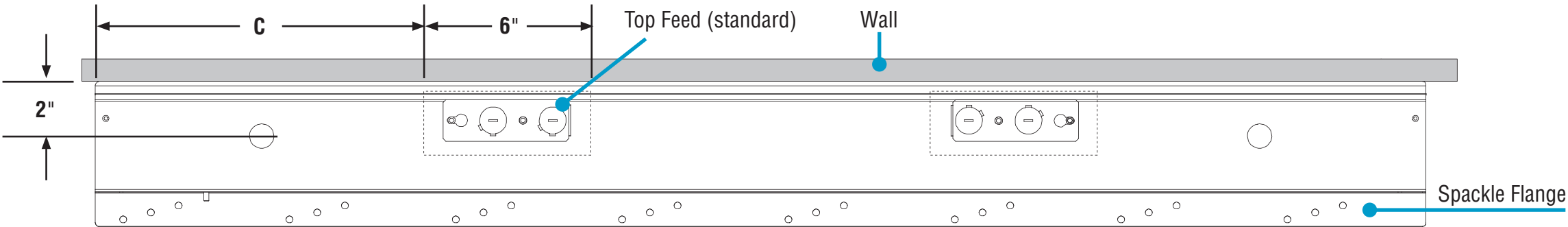
Top Feed Location (standard)
Use chart above to find measurement of **C** for feed location

Wall Feed Back View

Wall Feed (optional)

D

5 9/16"
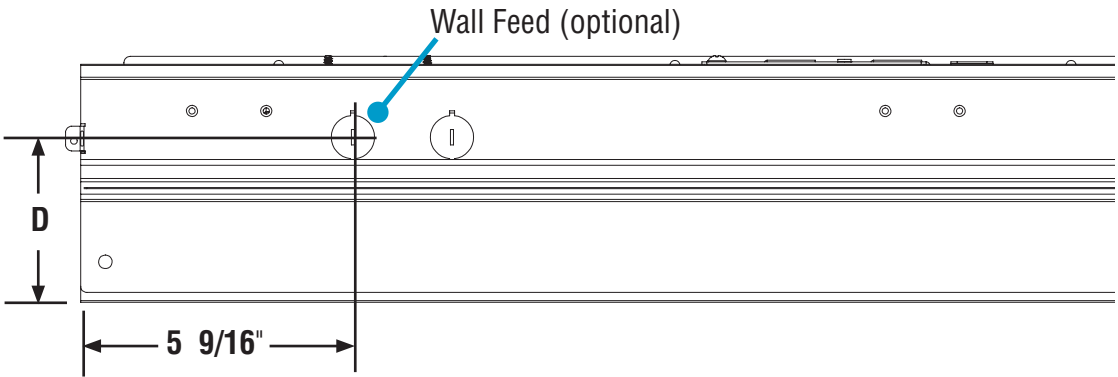
	D (in)
2" Depth	3-5/16
4" Depth	5-5/16
6" Depth	7-5/16

Endcap Feed Side View

Endcap Feed (optional)

Wall

G

F

Sheetrock

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

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1. Remove Tapered Optic & Diffuser   Bottom-Up View

Wall Bracket

Starter

Diffuser

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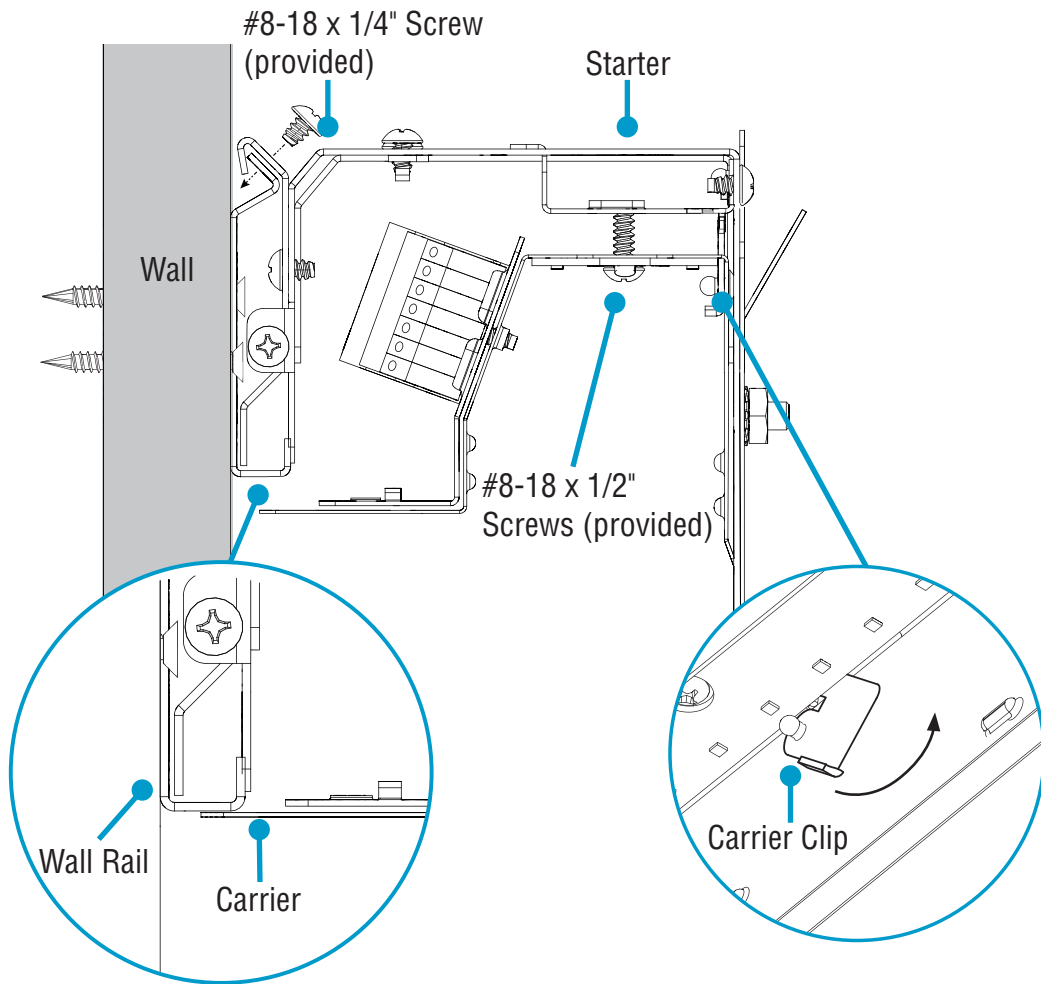
#4-24 x 1/4" Self Drilling Screws (provided)
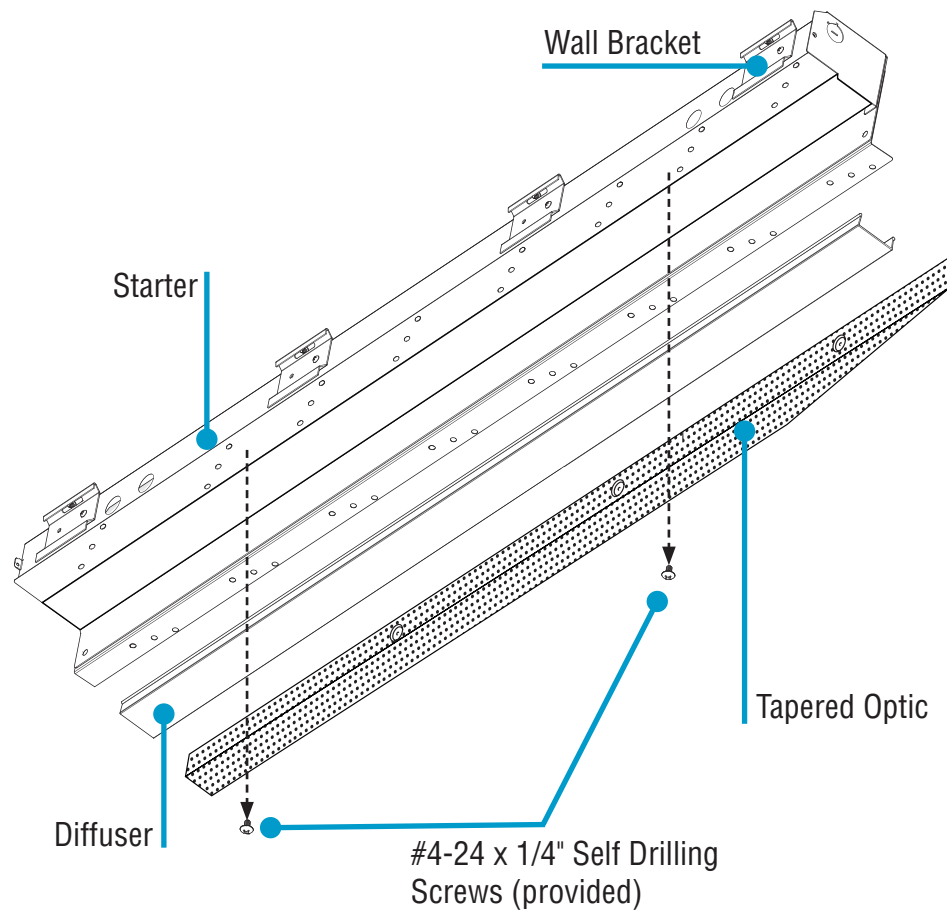
If tapered optic is included, remove the two #4-24 x 1/4" self drilling screws (provided) from starter luminaire. Then remove the diffuser from the starter luminaire and set it aside to keep if from getting dirty or damages. If part of a longer run, diffuser will be reinstalled back into original luminaire.

---

2. Mounting on the Wall Rail   Side View

Wall

Wall Bracket
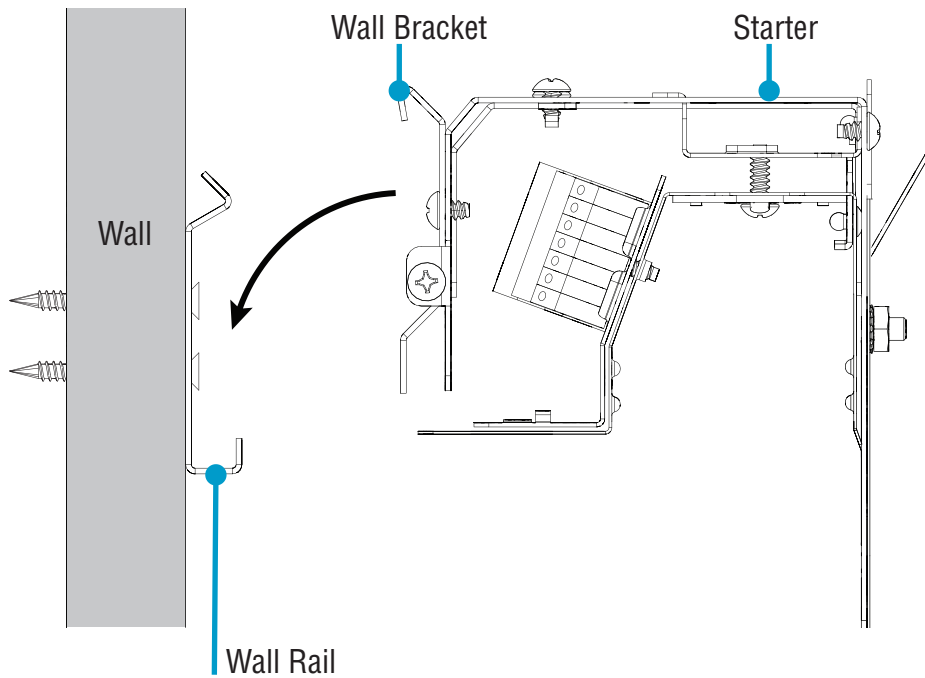
Starter

Wall Rail

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

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

Starter

Wall

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

Wall Rail

Carrier

Carrier Clip

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)

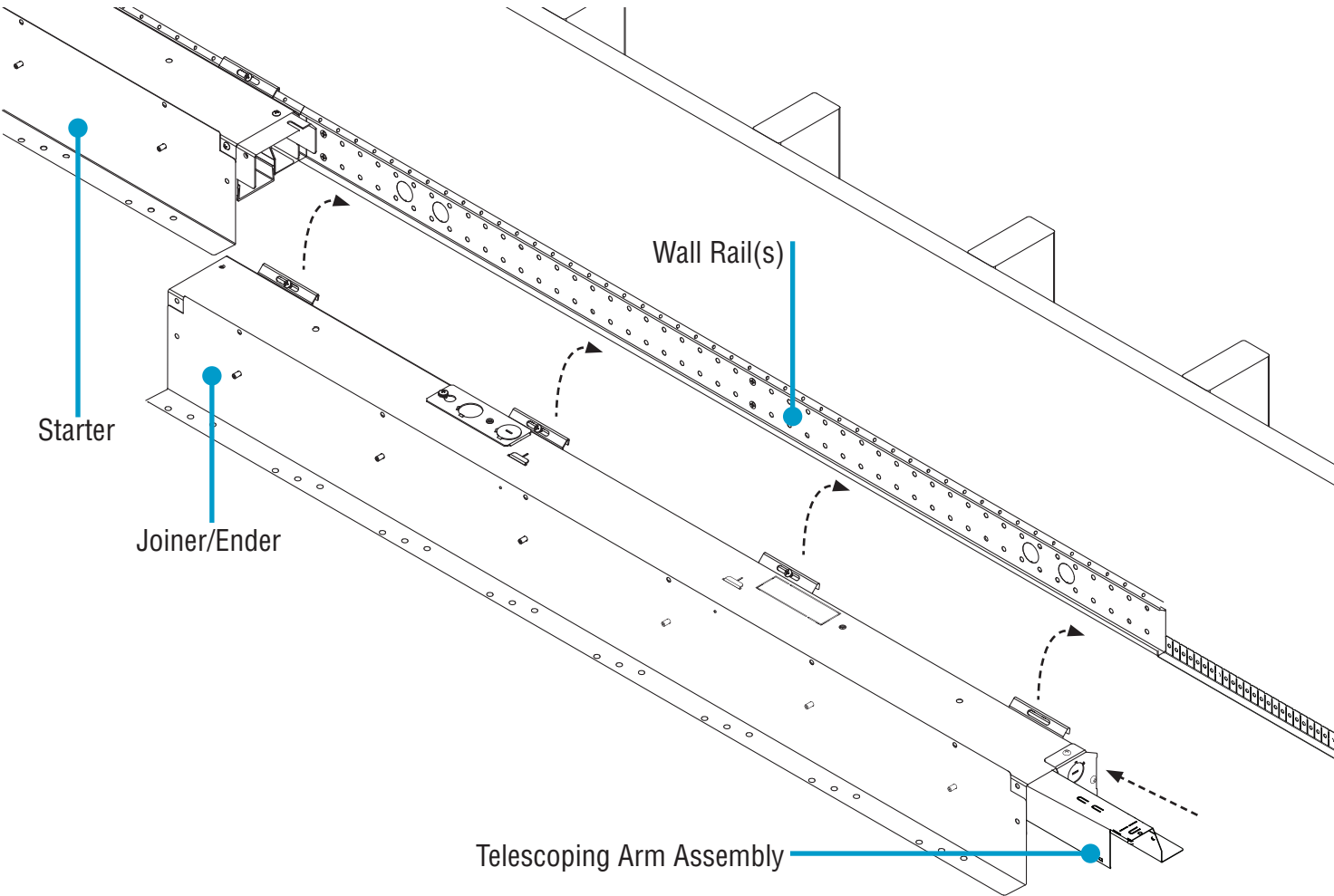#8-18 x 1/4" Screws (provided)

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

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HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions
Step 4 - Joining Luminaires

1. Align Starter and Joiner/Ender   Top View

Wall Rail(s)

Starter

Joiner/Ender

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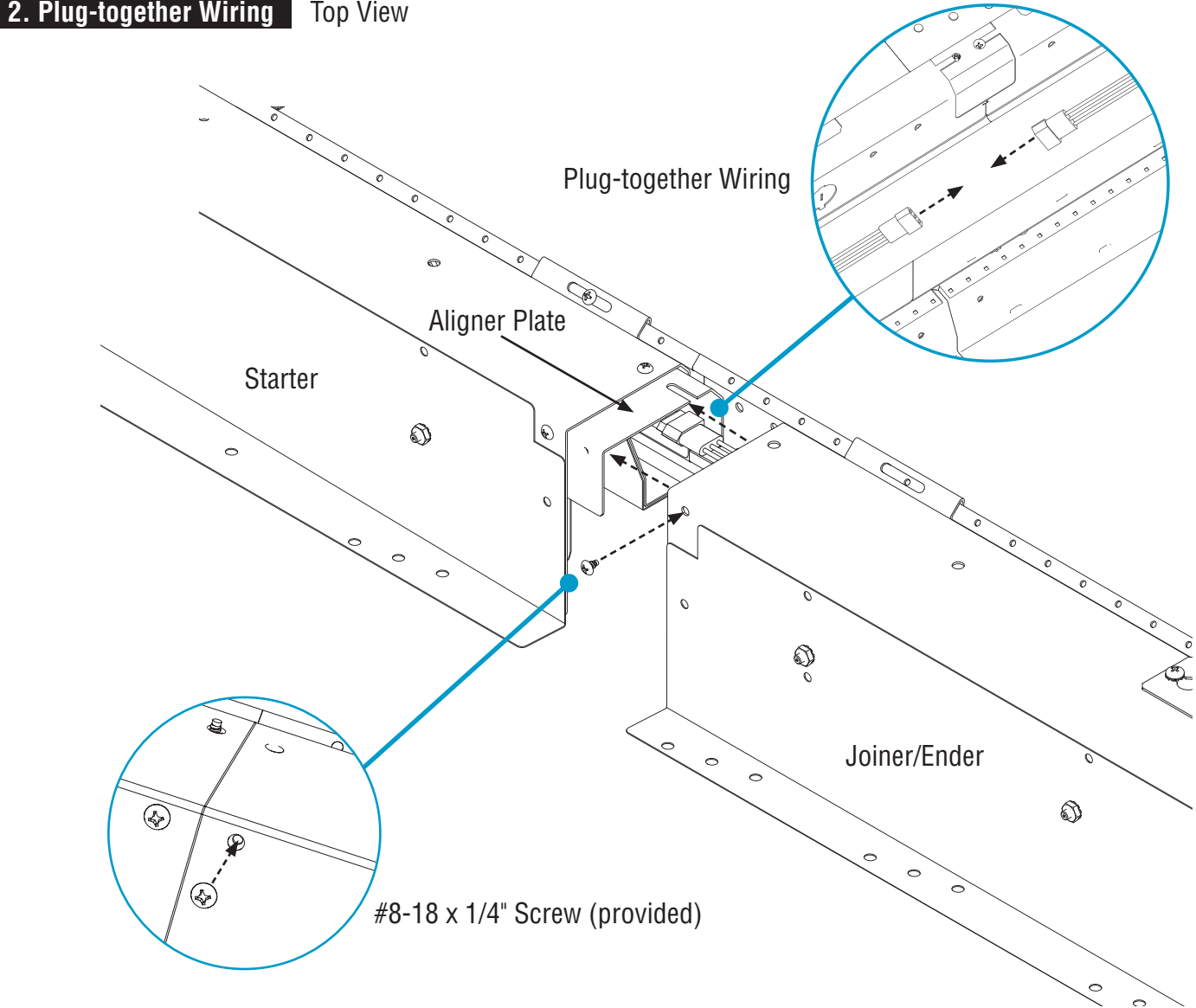
If your joiner/ender has a telescoping arm assembly, retract it to ensure it will not be damaged during install. Mount the luminaire to the wall rail as shown. Make sure the wall rail clips grabs the top of the wall rail.

2. Plug-together Wiring   Top View

Plug-together Wiring

Aligner Plate

Starter

Joiner/Ender

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

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).
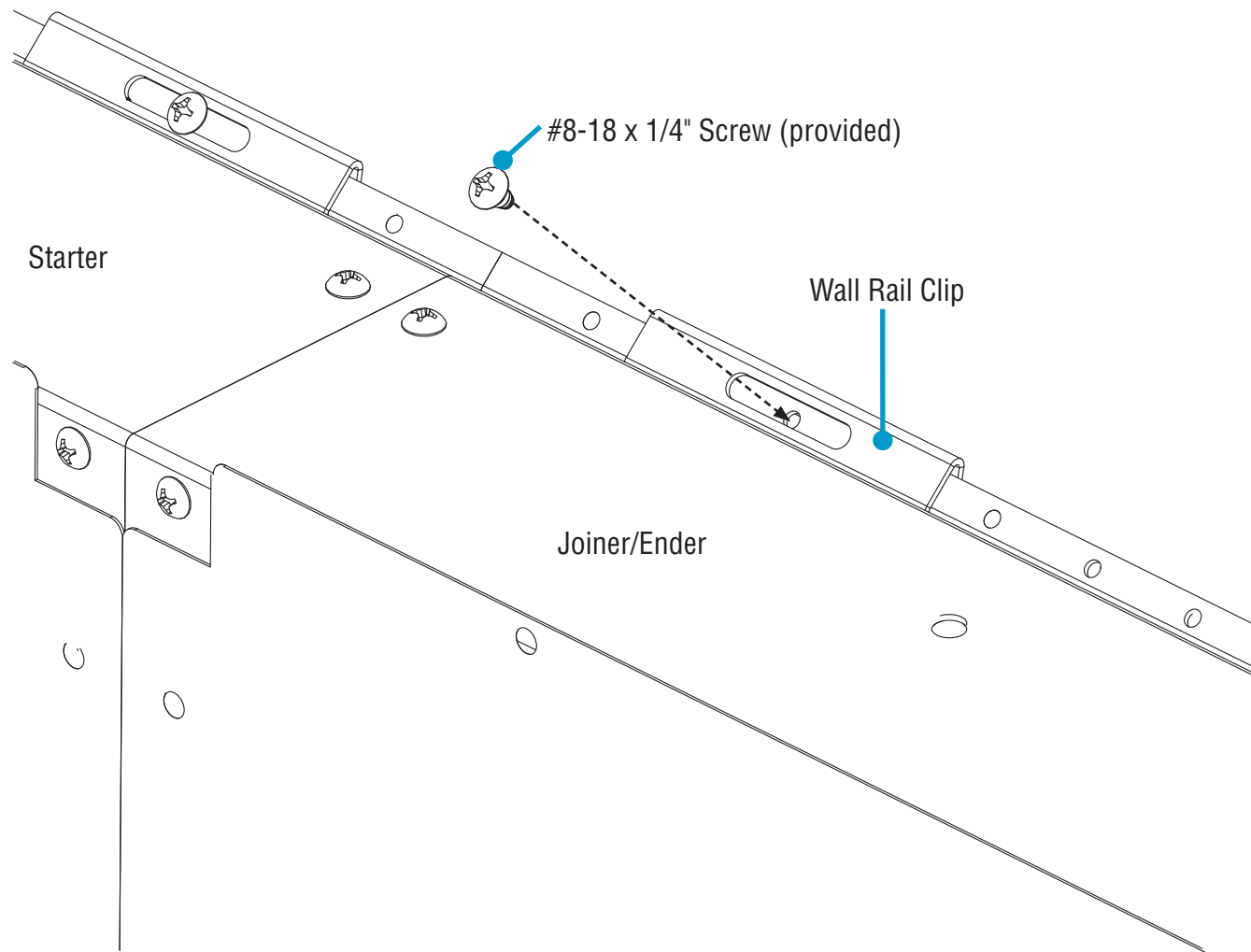
CONTINUED

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

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HP-WS Perimeter Slot Wall Bracket Mount Spackle Flange Installation Instructions
Step 4 - Joining Luminaires

3. Secure Joiner/Ender   Top View

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

Starter

Wall Rail Clip

Joiner/Ender

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 steps 3 for the next wall.

4. Secure the Carrier Assembly   Side View

Wall

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

Carrier Clip
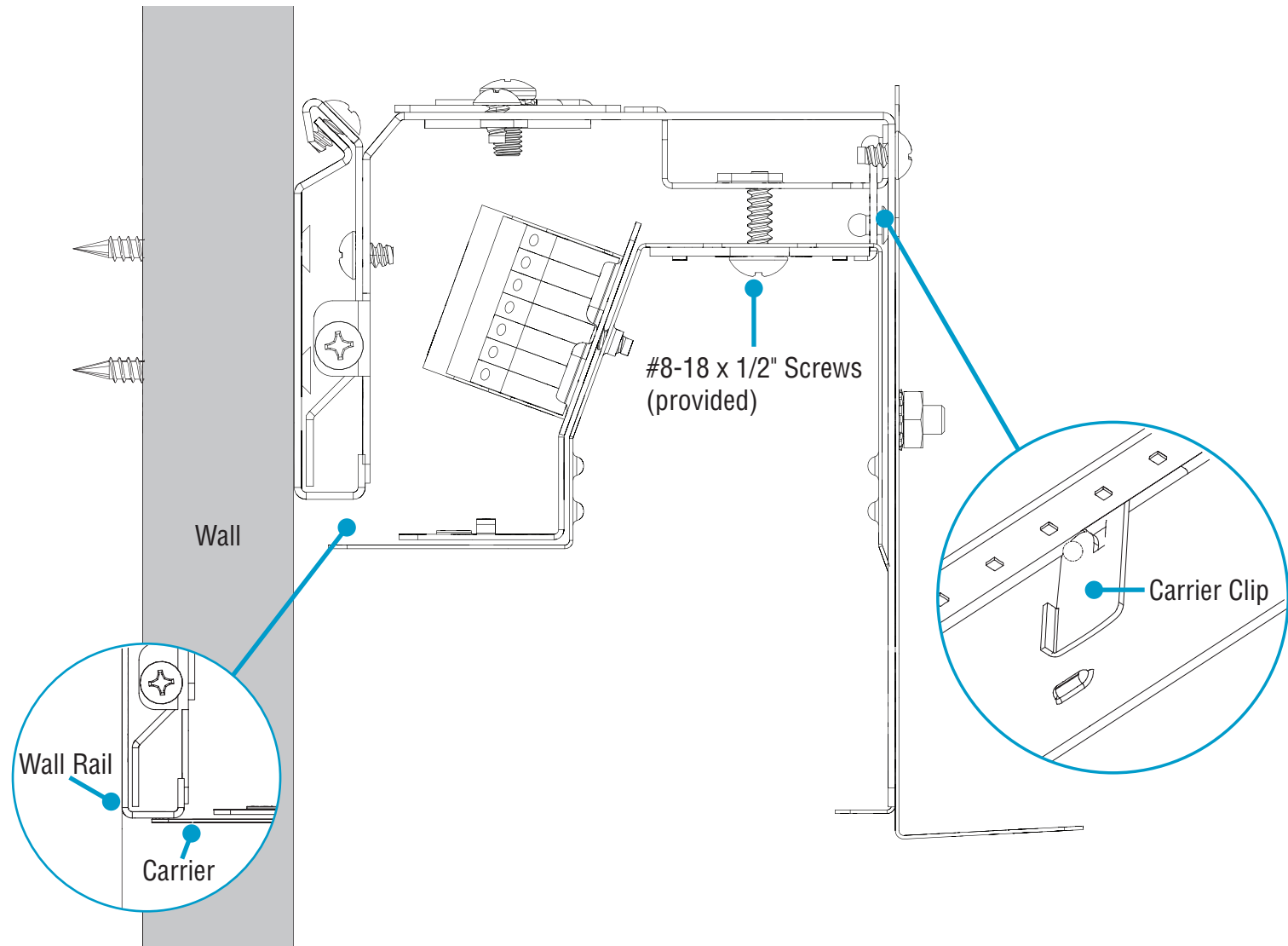
Wall Rail

Carrier

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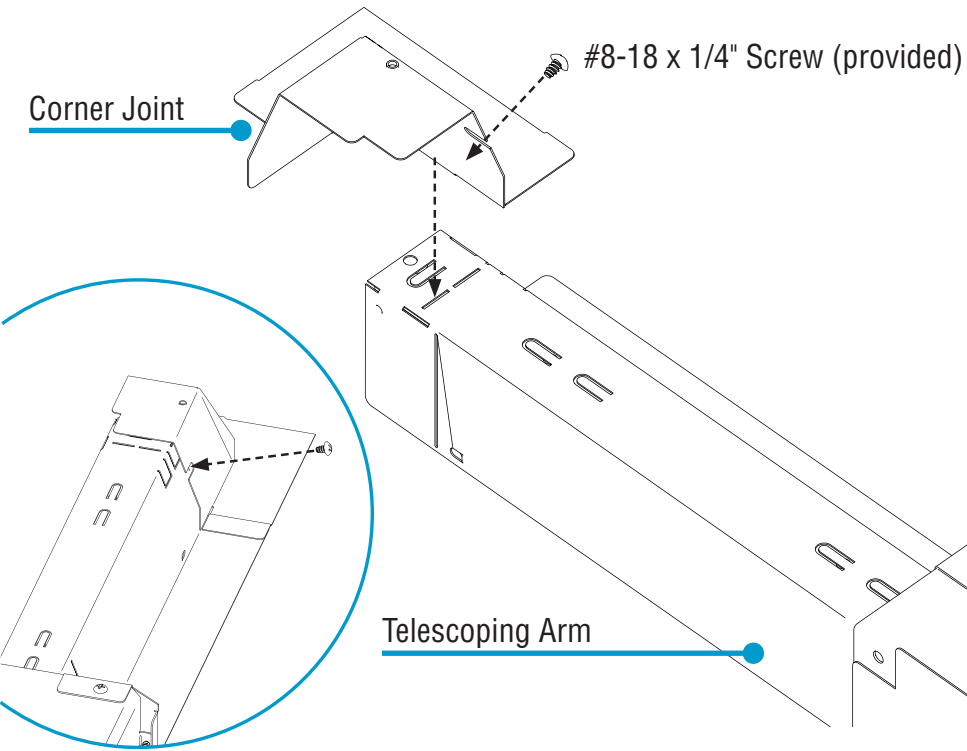
#8-18 x 1/4" Screw
(provided)

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

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1. Connect Corner Joint   Top-Down View

Corner Joint

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

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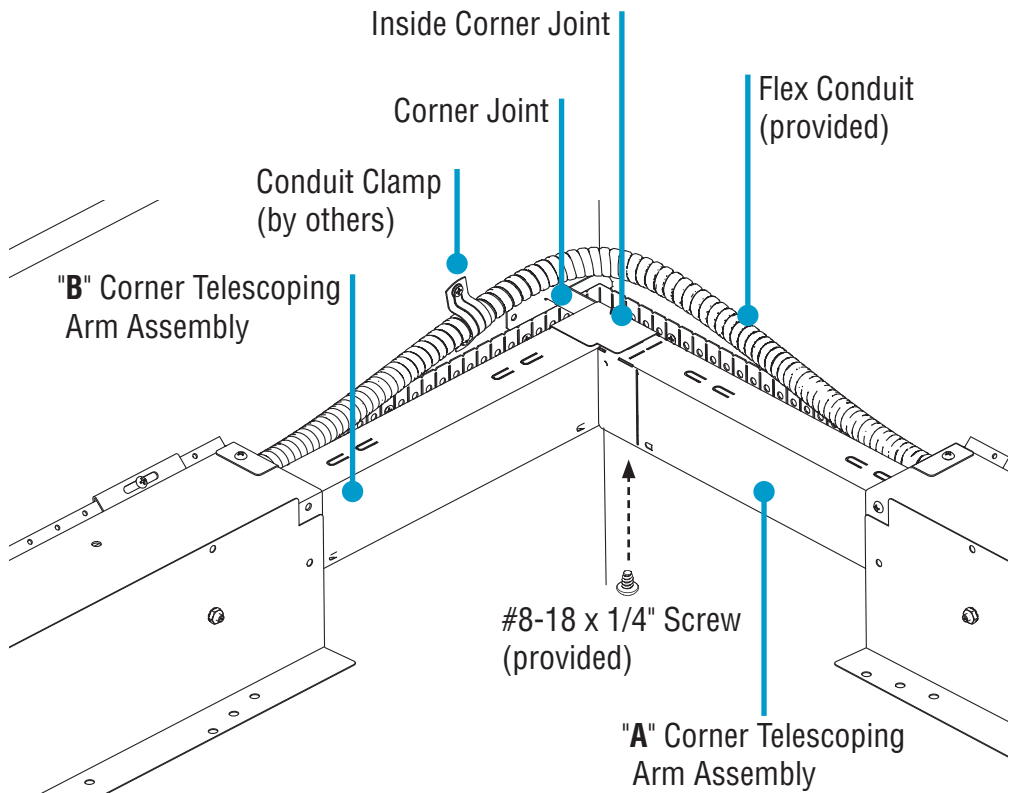
Connect the corner joint to the right telescoping arm using a #8-18 x 1/4" screw (provided).

2. Connect Flex Conduit   Bottom-Up View

Endcap

Corner Joint

Flex Conduit (provided)
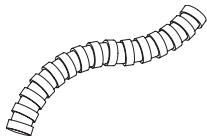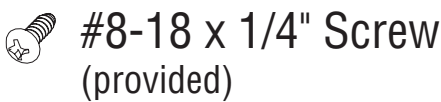
Corner Support Bracket
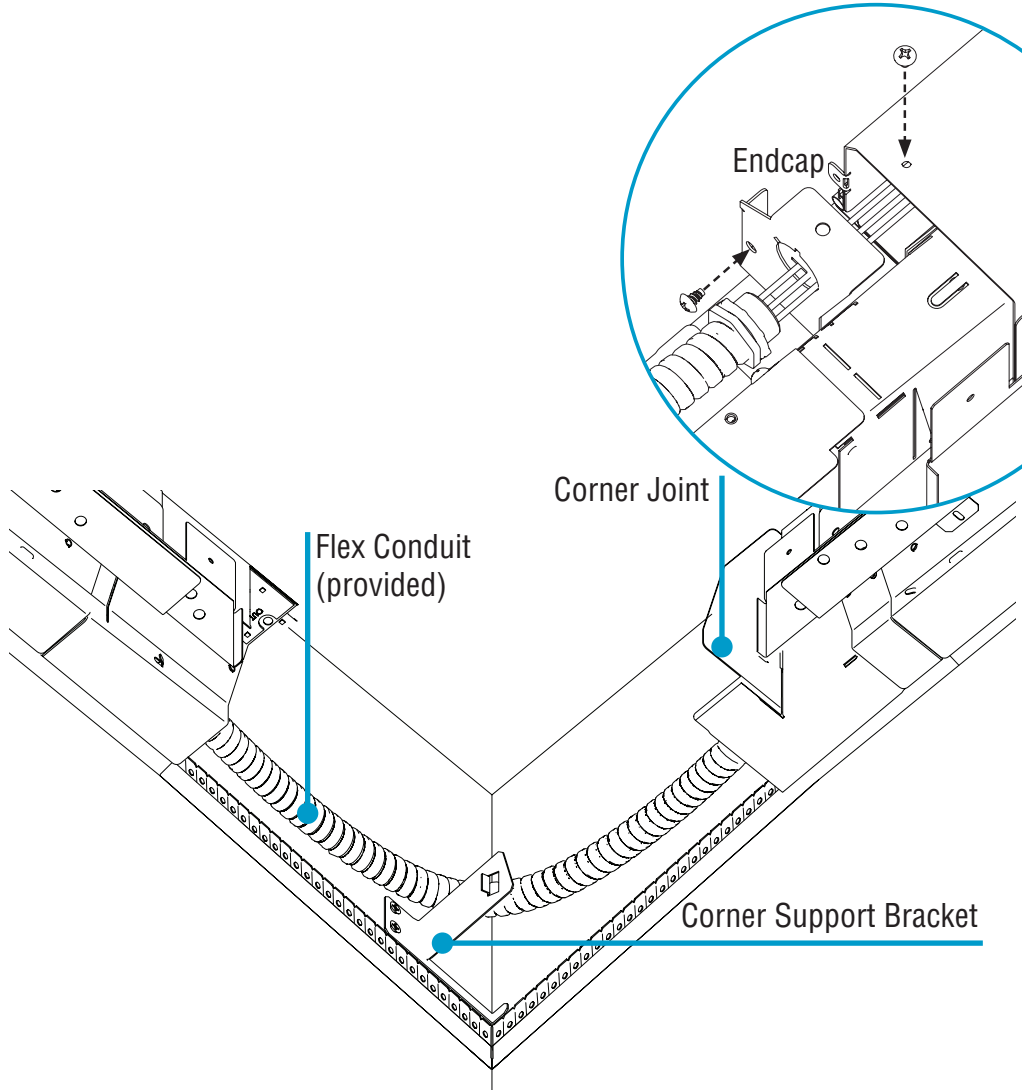
Connect the through wiring using flex conduit and make sure the flex conduit goes above the corner support bracket. To connect flex conduit, remove telescope endcap 2x #8-18 x1/4" screws (provided) for access.

3. Connect Flex Conduit   Top-Down View

Inside Corner Joint

Corner Joint

Flex Conduit (provided)

Conduit Clamp (by others)

"B" Corner Telescoping Arm Assembly

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

"A" Corner Telescoping Arm Assembly

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).
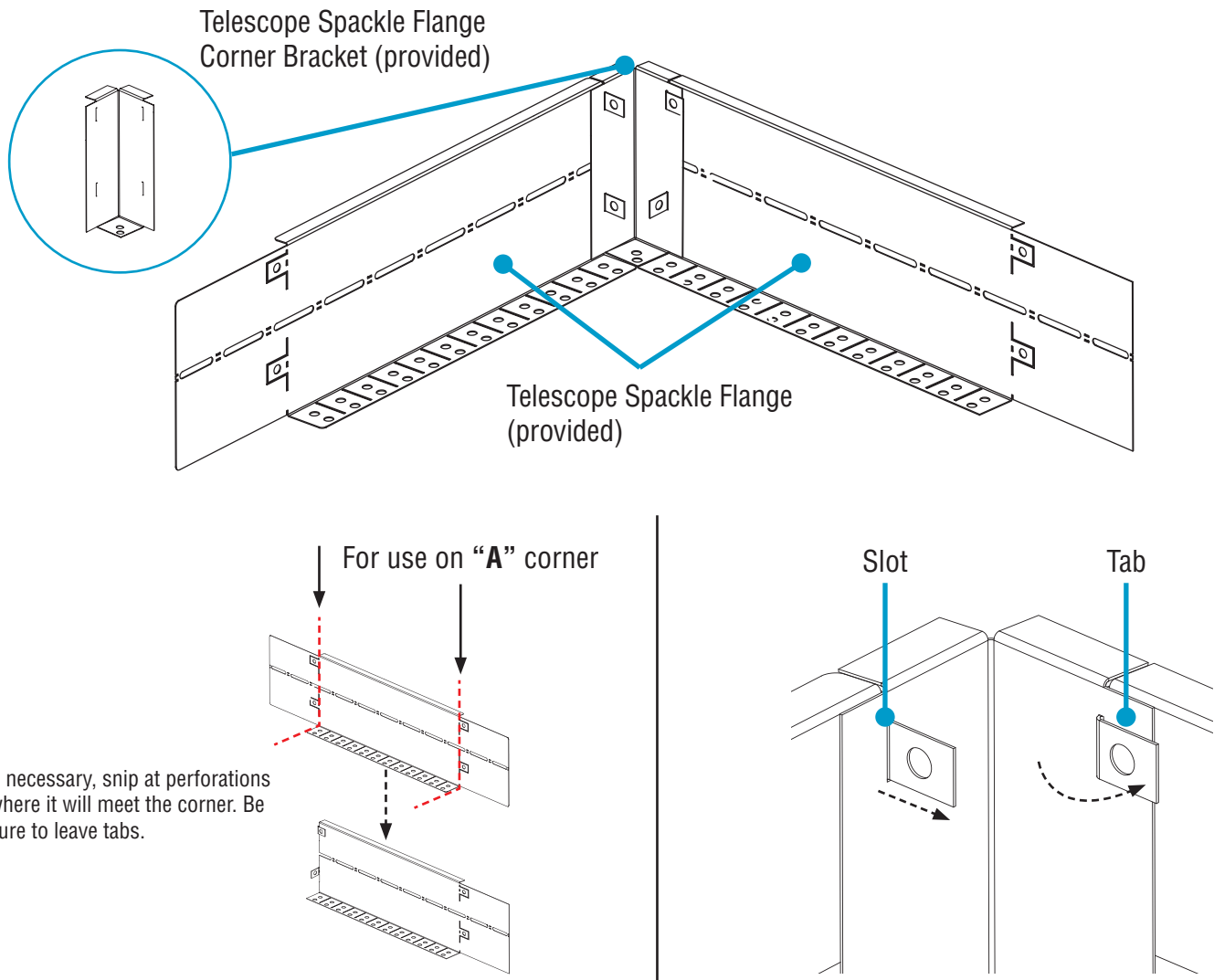
CONTINUED

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

Flex Conduit (provided)

Conduit Clamp (by others)

Patent Pending

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4. Telescope Spackle Flange Subassembly Top View

Telescope Spackle Flange
Corner Bracket (provided)

Telescope Spackle Flange
(provided)

For use on **"A"** corner

If necessary, snip at perforations where it will meet the corner. Be sure to leave tabs.

Slot   Tab

Prep the telescope spackle flange (provided) for the telescope spackle flange corner bracket as shown, we recommend using tin snips. Connect the two pieces to the telescope spackle flange corner bracket by sliding the tabs through the slots and bending the tabs back.
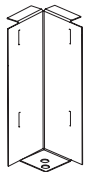
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5. Telescope Spackle Flange Subassembly Top View

Telescope Spackle
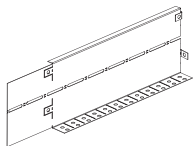Flange Subassembly

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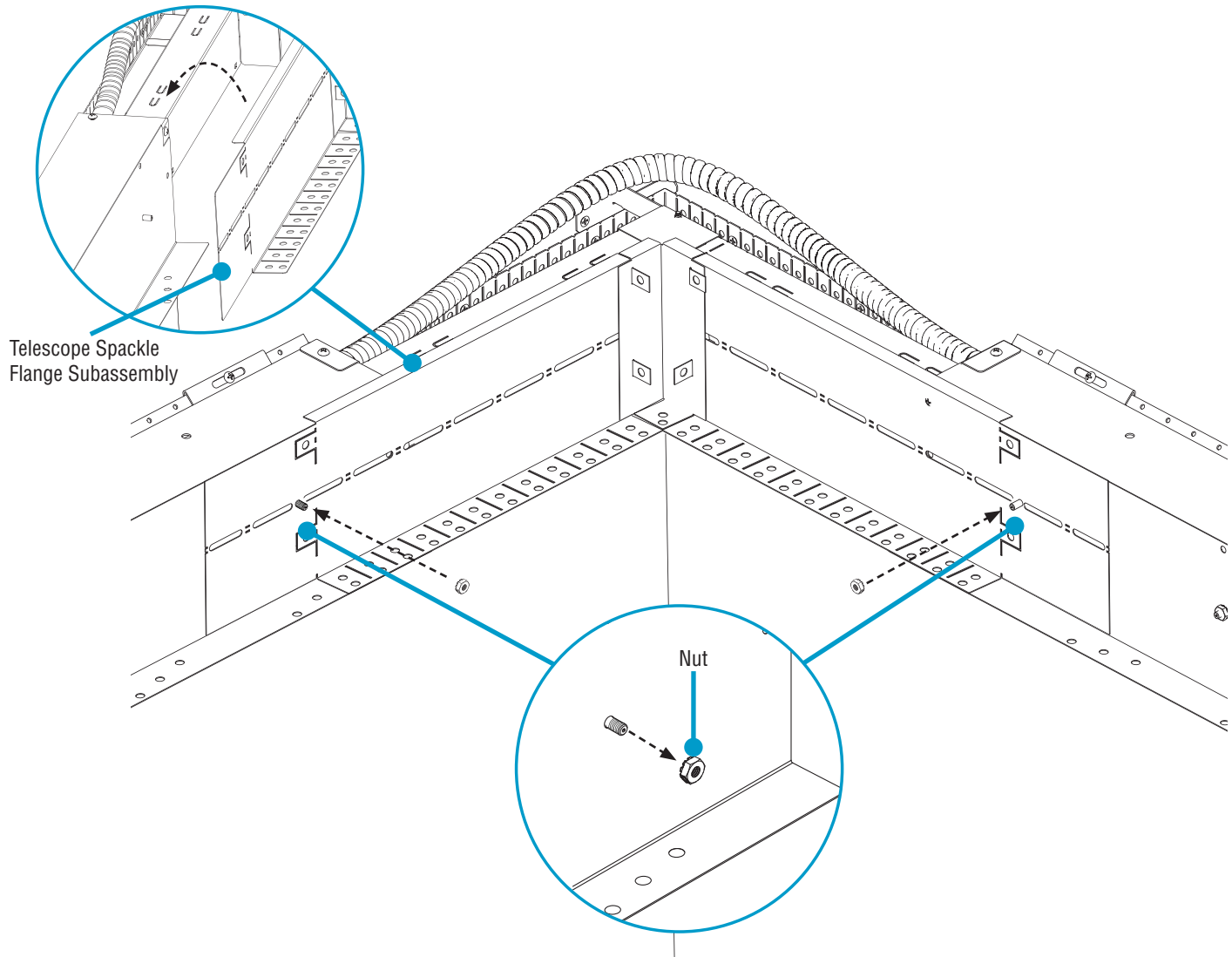
Remove the nuts from the section on the luminaire where the telescope spackle flange and the luminaire studs overlap. Place the telescope spackle flange subassembly onto the corner. Reattach nuts to fasten the telescope spackle flange subassembly to corner.

⬡ **Nut**
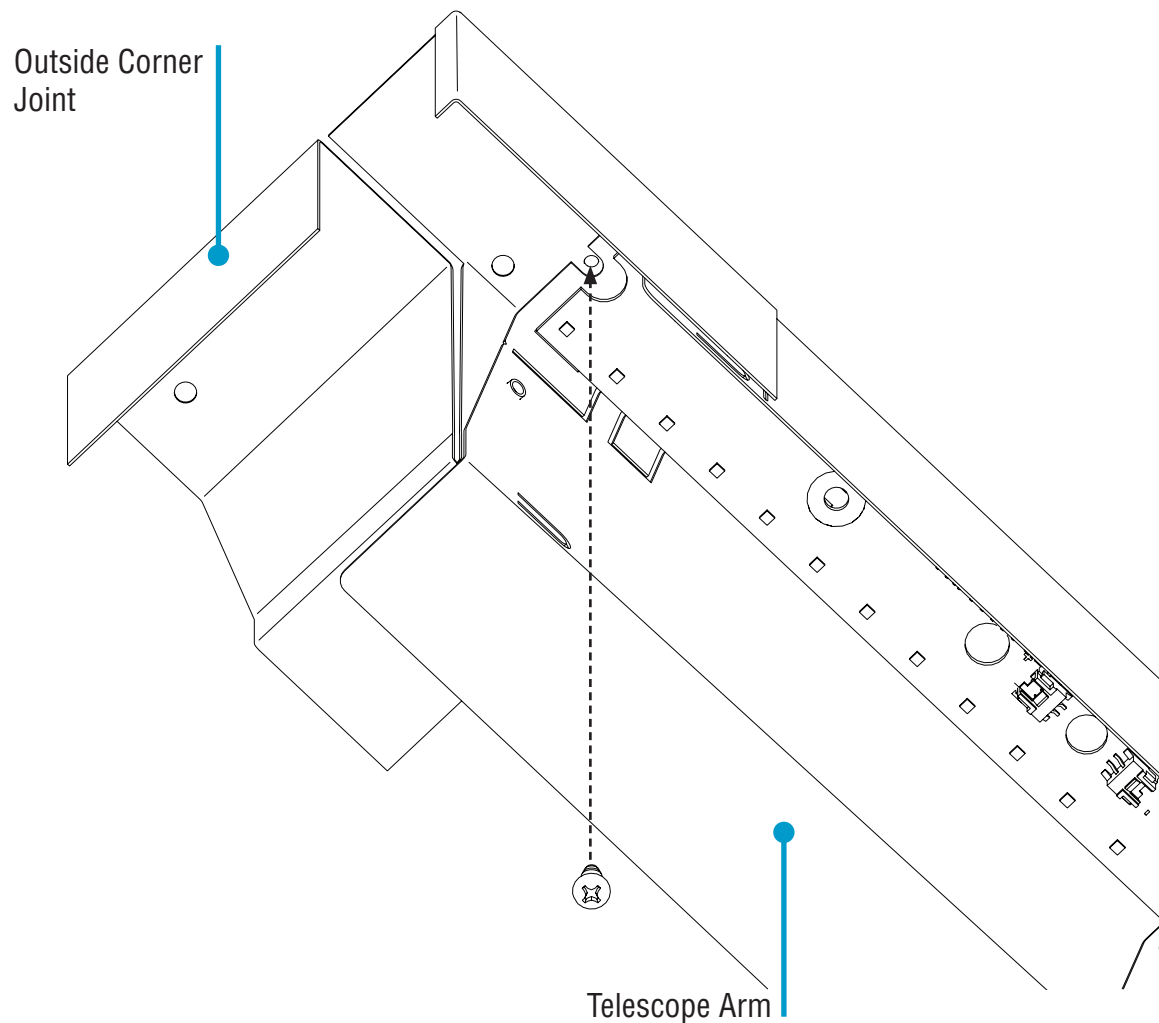(provided)

**Telescope Spackle Flange
Corner Bracket**
(provided)

Telescope Spackle Flange
(provided)

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1. Connect Corner Joint Bottom-Up View

Outside Corner
Joint

Telescope Arm

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

2. Connect Flex Conduit Bottom-Up View

Ceiling

Outside Corner
Support Bracket

Endcap

Flex Conduit

Outside Corner Joint
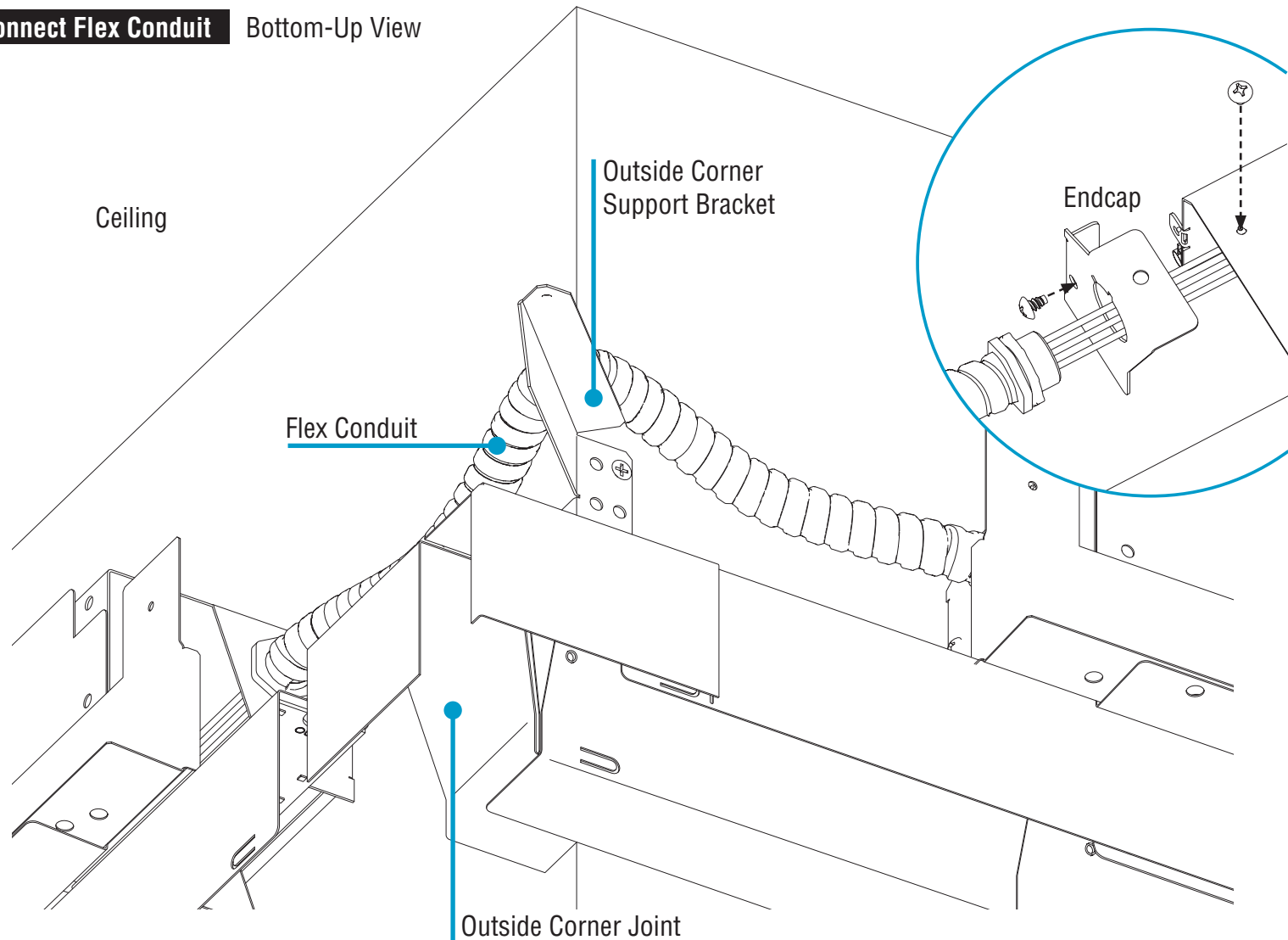
Connect the through wiring using flex conduit and be sure the flex conduit goes above the corner support bracket. To connect flex conduit, remove telescope endcap 2x #8-18 x1/4" screws (provided) for access.

CONTINUED

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

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3. Connect Telescoping Arms   Bottom-Up View

Ceiling

Outside Corner Joint

Right Side
Telescoping Arm
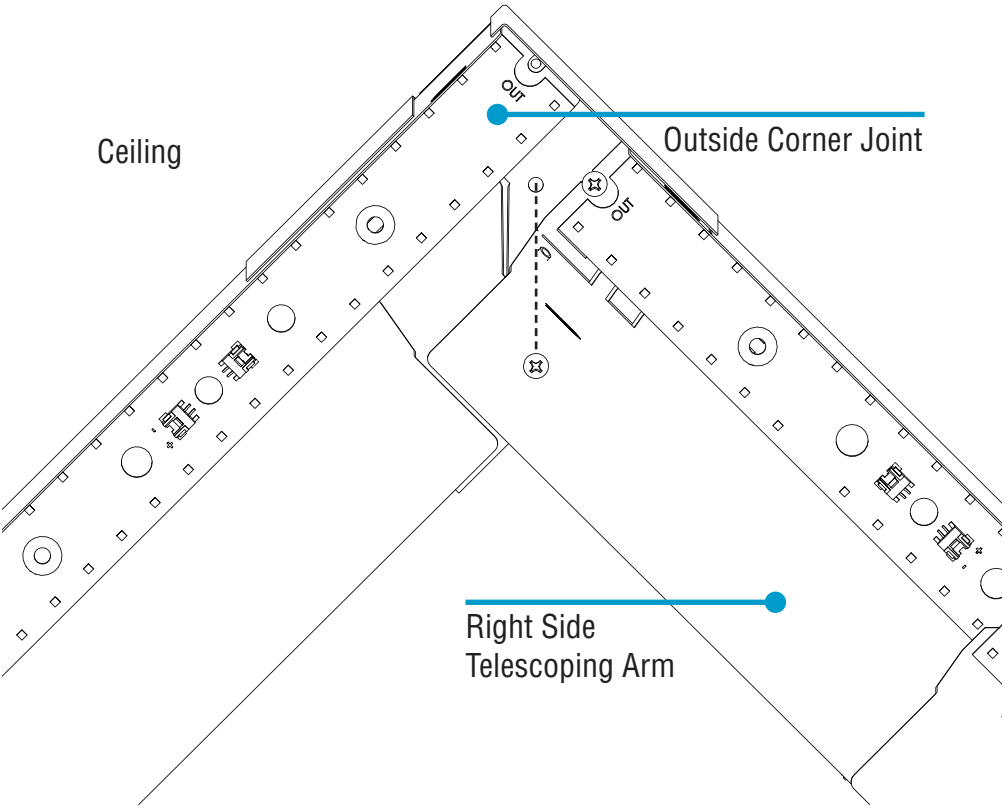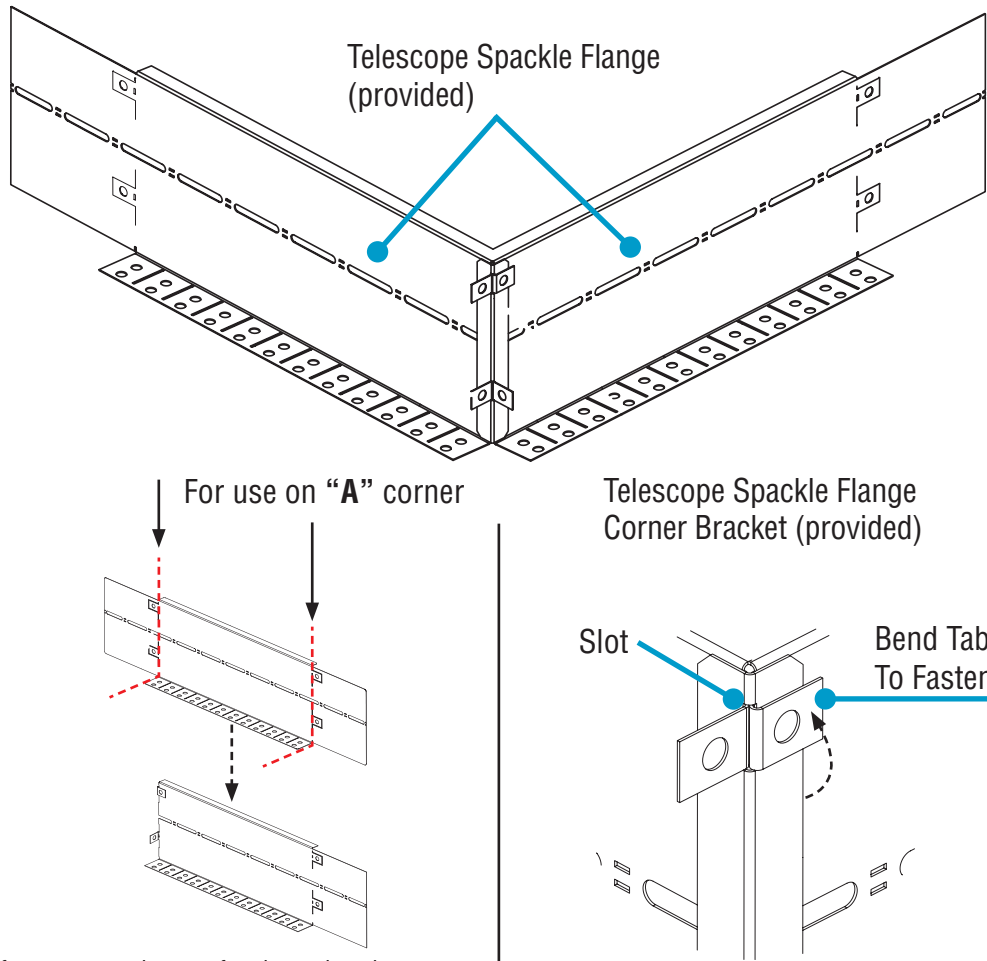
Mount right side telescoping arm to corner support bracket. Connect left telescoping arm and fasten to right telescope arm with #8-18 x 1/4" screw (provided).

---

4. Telescope Spackle Flange Subassembly   Top View

Telescope Spackle Flange
(provided)

For use on **"A"** corner

Telescope Spackle Flange
Corner Bracket (provided)

Slot

Bend Tab
To Fasten

If necessary, snip at perforations where it will meet the corner. Be sure to leave tabs.

Prep the telescope spackle flange for the telescope spackle flange corner bracket as shown, we recommend using tin snips. Connect the two pieces to the telescope spackle flange corner bracket by sliding the tabs through the slots and bending the tabs back.

---

5. Telescope Spackle Flange Subassembly   Top View

Nut

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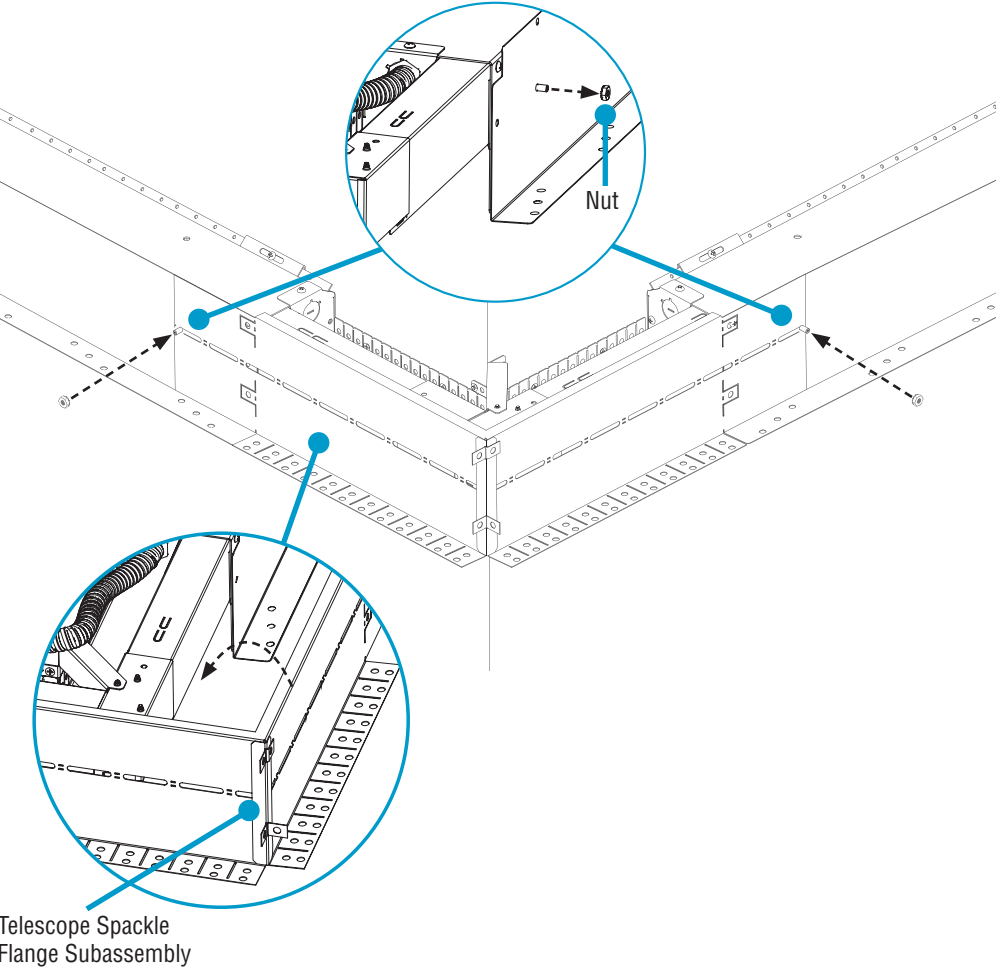
Remove the #10-32 nuts from the section where the telescope spackle flange and the luminaire studs overlap. Place the telescope spackle flange subassembly onto the corner. Reattach nuts to fasten the telescope spackle flange subassembly to corner.

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

Nut
(provided)

Telescope Spackle Flange
Corner Bracket
(provided)

Telescope Spackle Flange
(provided)

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

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1. Extend Straight Telescope   Bottom-Up View

Ceiling

Level

Telescoping Arm

Wall

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

2. Mount Support Bracket   Bottom-Up View

Ceiling

Wall

Support Bracket

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

3. Hook Telescope   Bottom-Up View

Ceiling

Wall

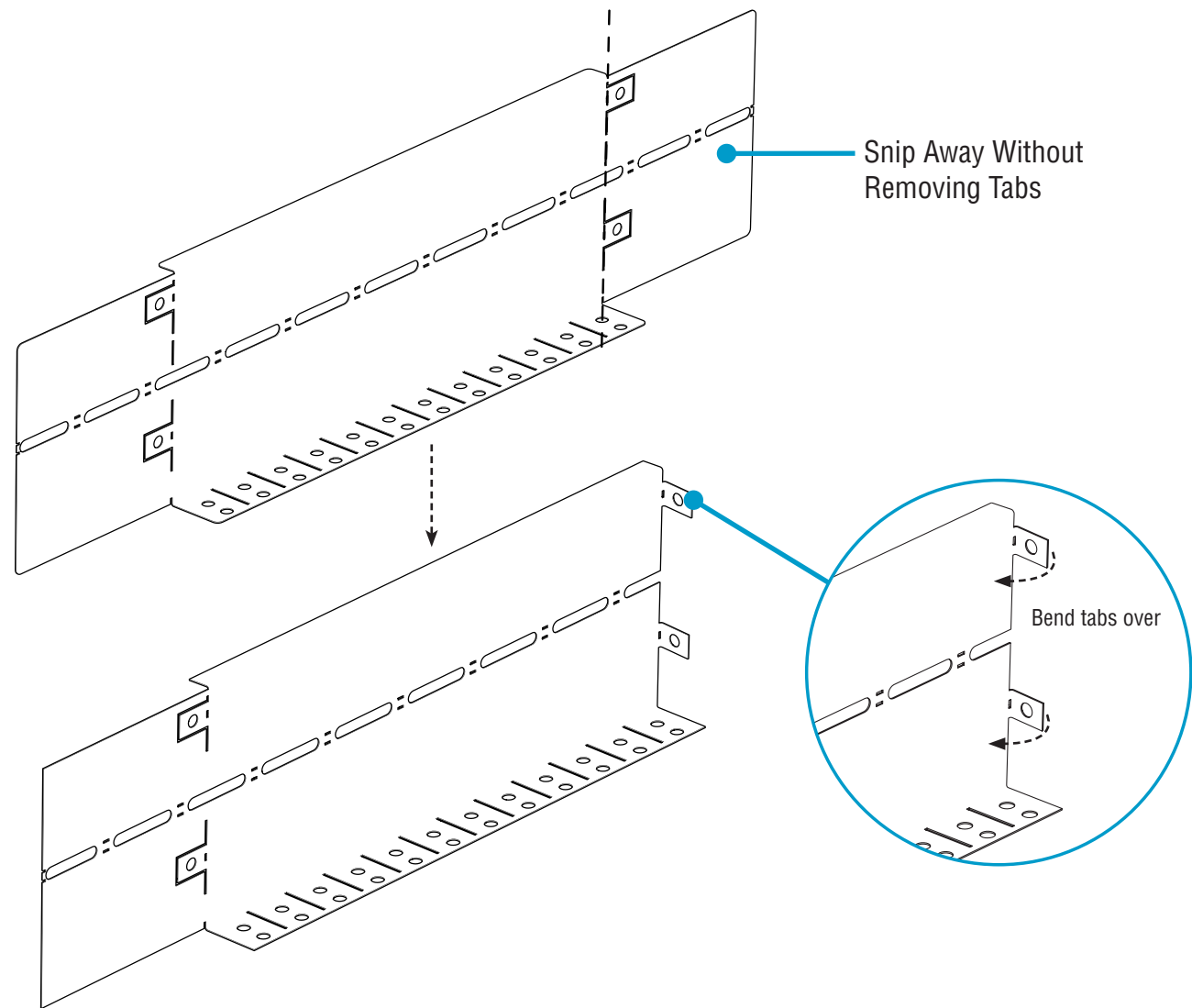Hook the telescoping arm onto the support bracket using the slot provided.

CONTINUED

#10 Screws
(by others)

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

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4. Telescope Spackle Flange Subassembly

Snip Away Without Removing Tabs

Bend tabs over

Snip off the end of the telescope spackle flange that will be mounted to the wall.

5. Telescope Spackle Flange Subassembly Bottom-Up View

Oval Slots

Nut

Telescope Spackle Flange
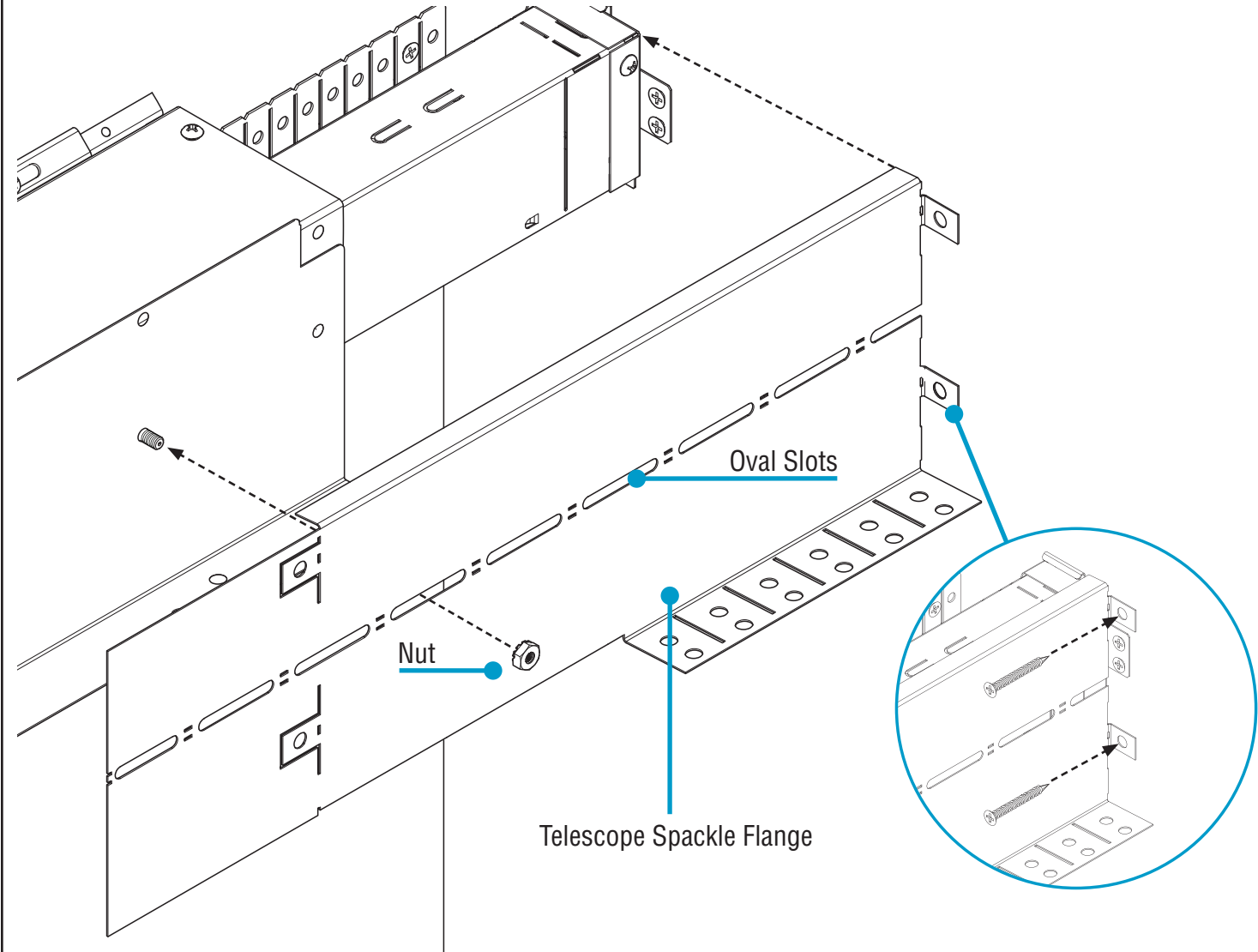
Remove the nut from the stud that overlaps the telescope spackle flange. Fasten the spackle flange to the wall using two #10 screws (by others). Trimming between the oval slots may be necessary if the stud interferes with the flange. Fasten the nut back onto the stud.
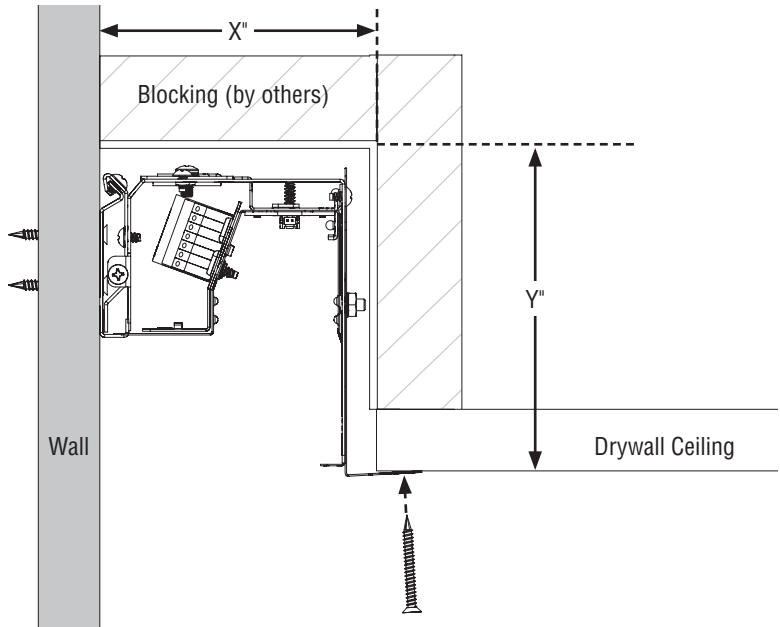
#10 Screws
(by others)

Nut
(provided)

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

Patent Pending

1. Support Blocking

Blocking (by others)

X"

Y"

Wall

Drywall Ceiling

|	4" Width	6" Width
2" Height	X = 4-5/8" Y = 5-1/8"	X = 6-5/8" Y = 5-1/8"
4" Height	X = 4-5/8" Y = 7-1/8"	X = 6-5/8" Y = 7-1/8"
6" Height	X = 4-5/8" Y = 9-1/8"	X = 6-5/8" Y = 9-1/8"

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

2. Secure Spackle Flange Bottom-Up View

Ceiling

Trowel

Mud Guard Cardboard Inserts (provided)
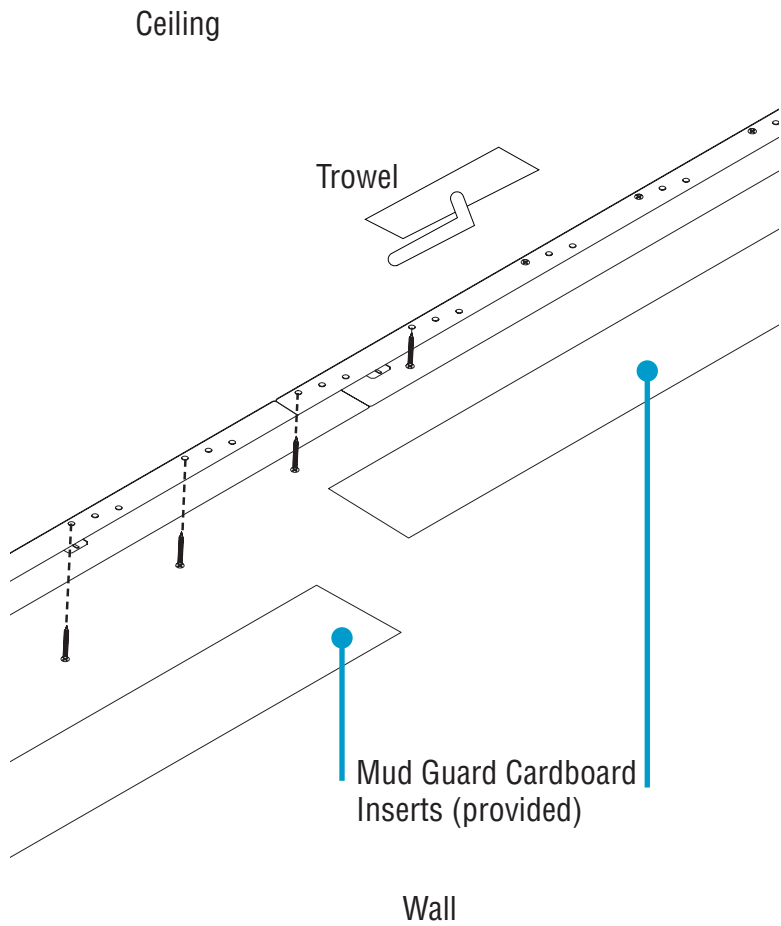
Wall

Mount spackle flange to drywall ceiling using appropriate #10 screws (by others).

3. Measure Diffusers Bottom-Up View

X

X

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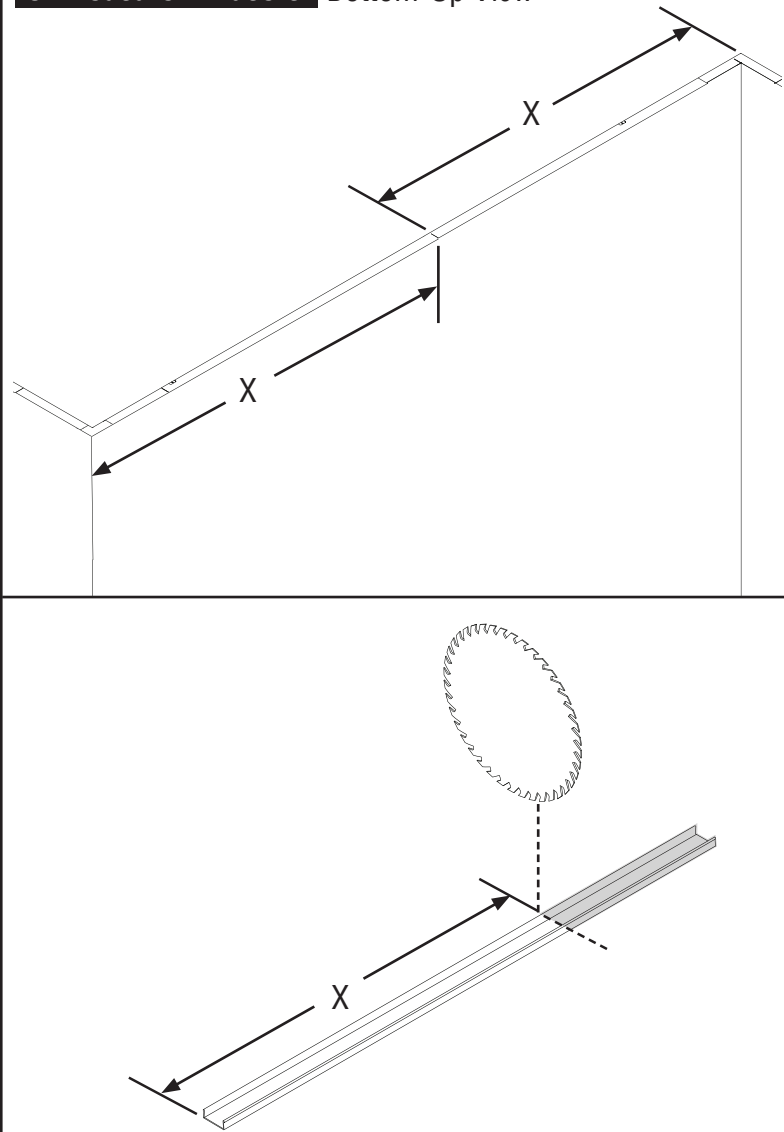
Diffuser length "X" is always measured along the longest edge. Measure the overall length for square-edged lengths. Measure from the square edge to the tip of a mitered edge. Cut the diffuser to "X" minus 1/16". For example, if "X" is 8'6", cut the diffuser to 8' 5-15/16". This difference accounts for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

4. Finish it up! Bottom-Up View

Ceiling

Diffuser

Tapered Optic

Wall
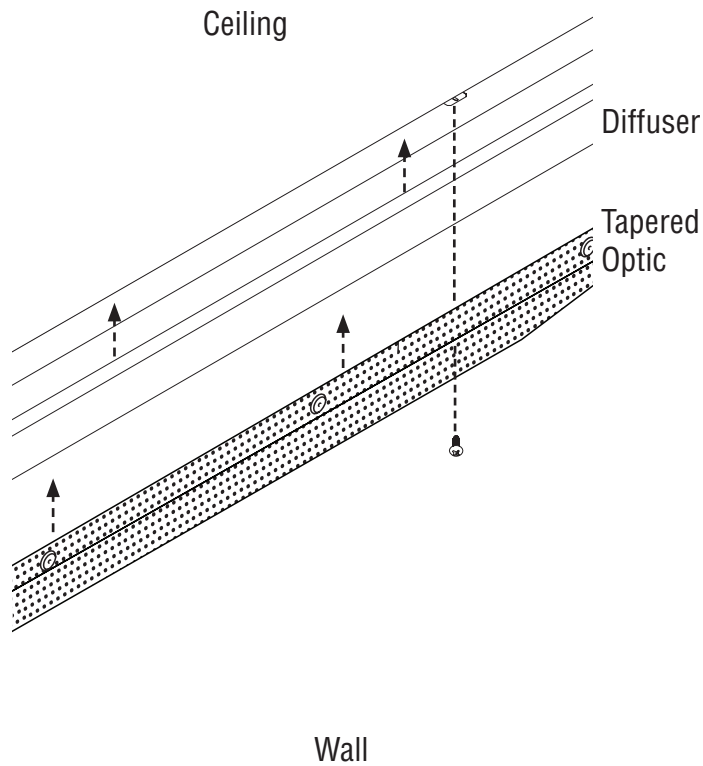
Replace diffusers and reinstall tapered optics using #4-24 x 1/4" self drilling screws (provided). Turn power on to luminaire.

#10 Screws (by others)

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

Mud Guard (provided)

Patent Pending

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Note: All power connections to be installed to local/national codes by a Certified Electrician. 15 of 15