

# FORTINA<sup>TM</sup>

## INSTALLATION INSTRUCTIONS



1.800.350.4127

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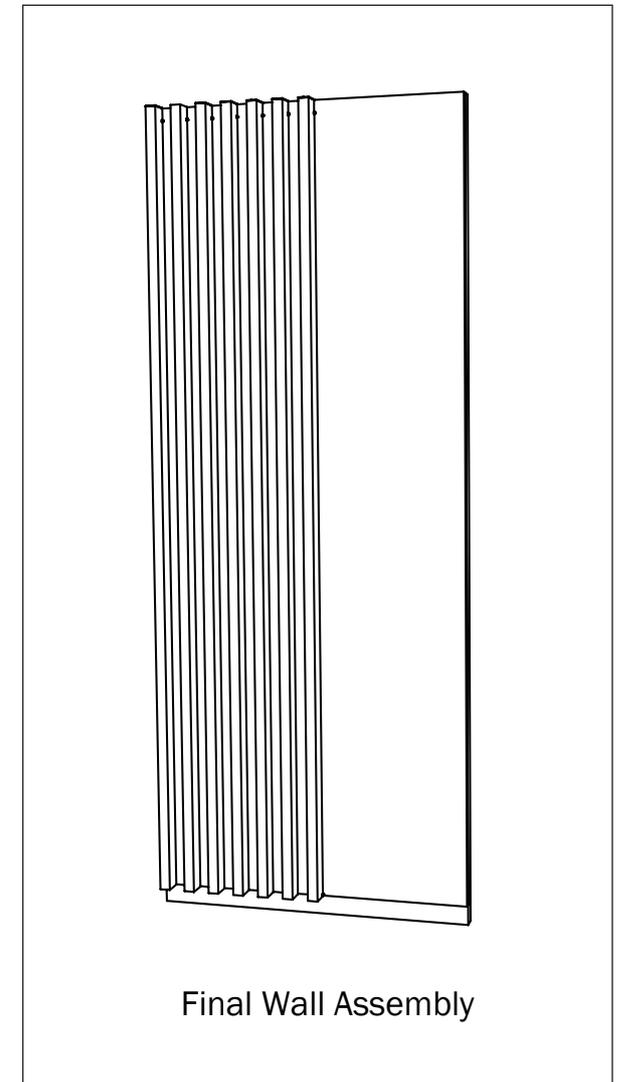
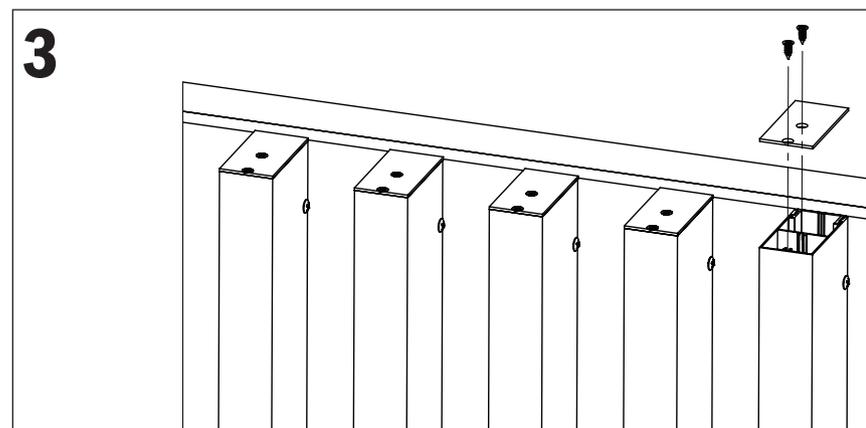
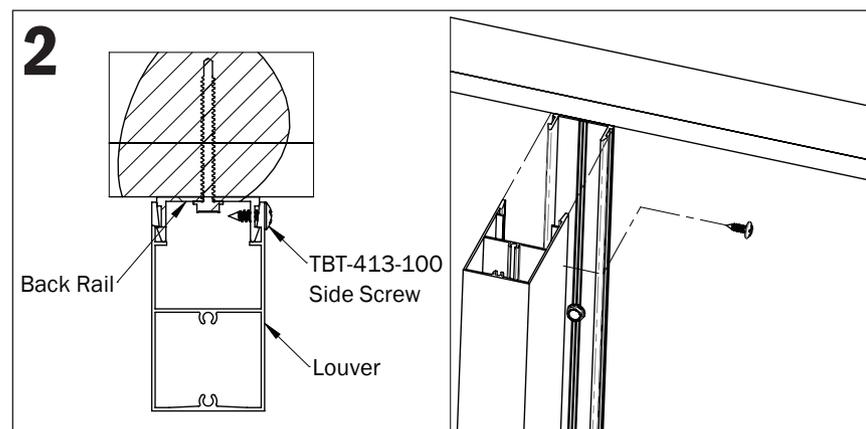
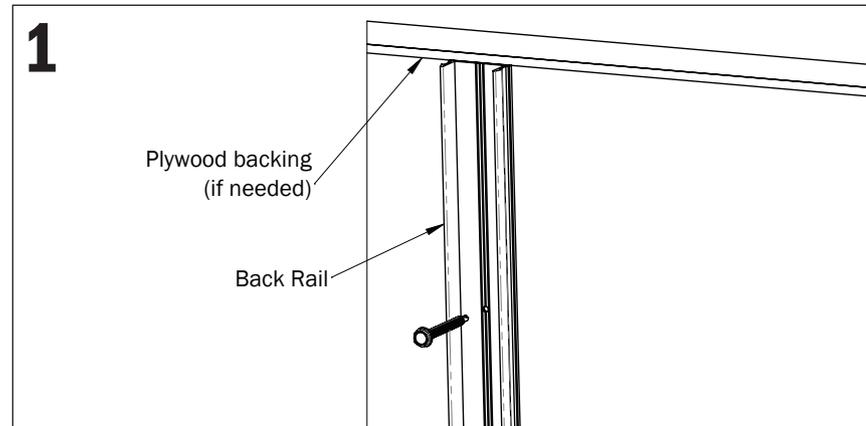
## INSTALLATION INSTRUCTIONS

# Fortina Louvers > Wall > Direct Attachment > Interior/Exterior

**STEP 1:** Screw the back rail to the wall using appropriate mounting hardware. Screws should be located every 24" o.c. (Drill pilot holes as necessary).

**STEP 2:** Snap the louver onto the back rail and screw at least one side screw through the louver and back rail to prevent sliding (depending on spacing only one side of the louver may be accessible).

**STEP 3:** Attach the end caps and repeat previous steps to progressively install the wall.



## INSTALLATION INSTRUCTIONS

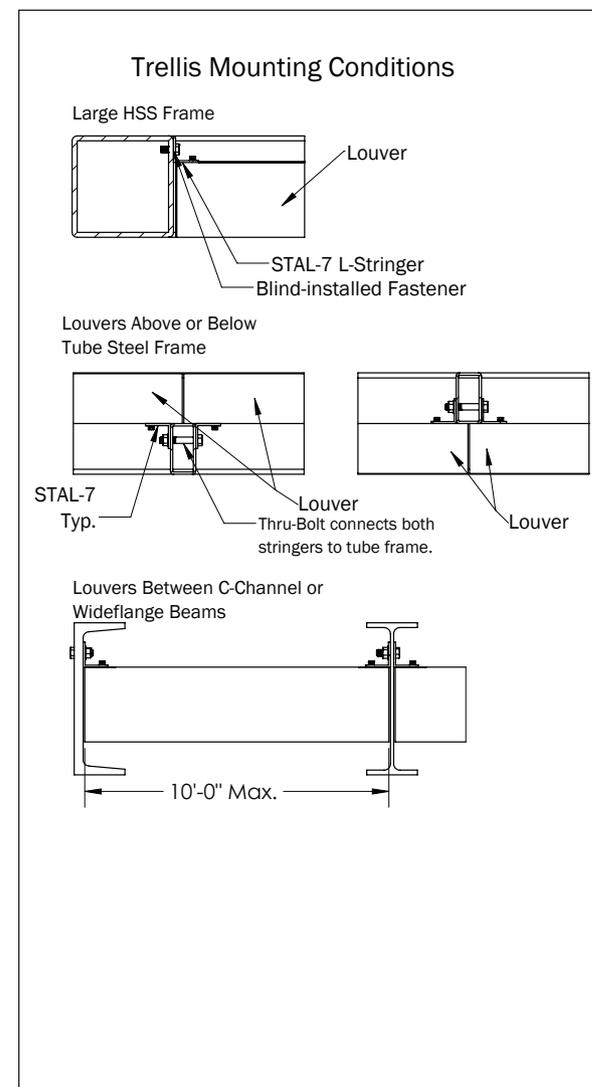
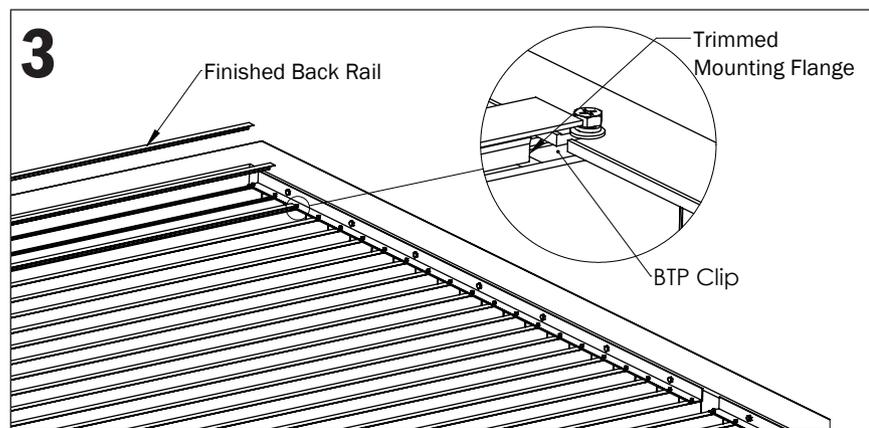
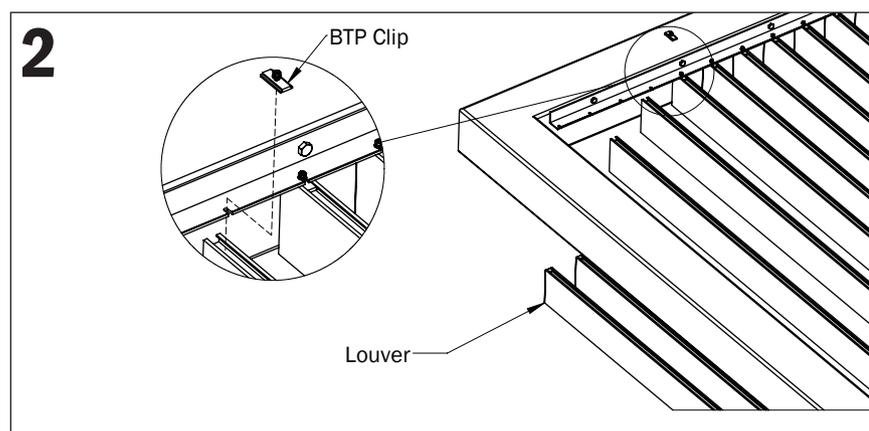
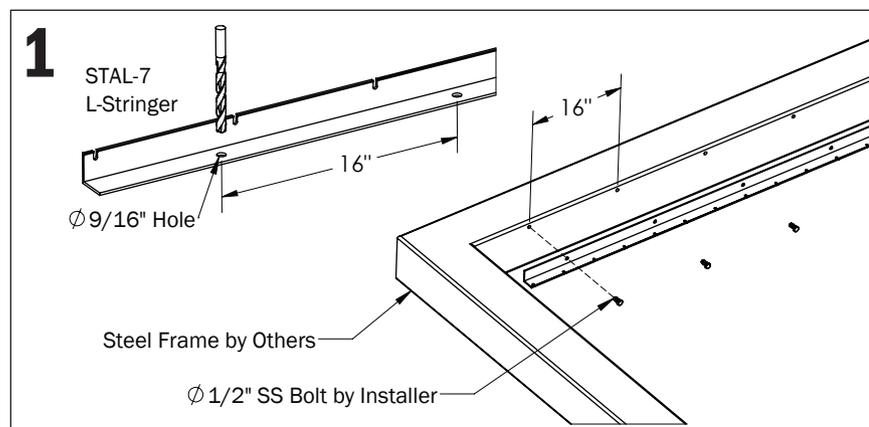
# Fortina Louvers > Trellis > Exterior Only

**STEP 1:** Determine which trellis mounting conditions apply for your specific installation, as corresponding bolt type and length will vary. Drill holes in the aluminum stringer to accommodate a min.  $\text{\O}1/2"$  bolt every 16" along the length. Coordinate bolt holes in the steel to have the same 16" o.c. pacing.

Repeat as necessary to attach all stringers to the steel frame per architectural plans.

**STEP 2:** Install the louvers, positioning them as dictated by the steel frame and pre-notched stringers. Slot the BTP clip into the open channel at the back of the louver, and seat it into the notch in the louver. Fully tightening the bolt on the T-Nut will engage the thread locking compound.

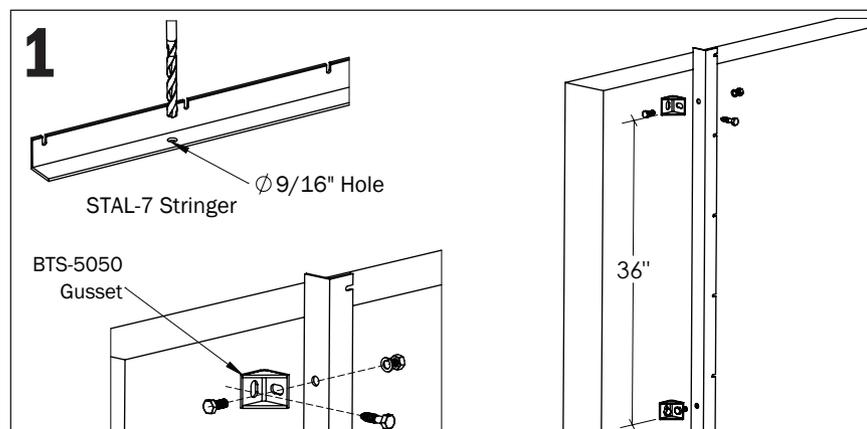
**STEP 3:** Finish the installation by snapping or screwing on end caps and pressing back rails into the open back channel if the back side of the louver is visible. The back rail mounting flanges may need to be trimmed to avoid the BTP Clip.



## INSTALLATION INSTRUCTIONS

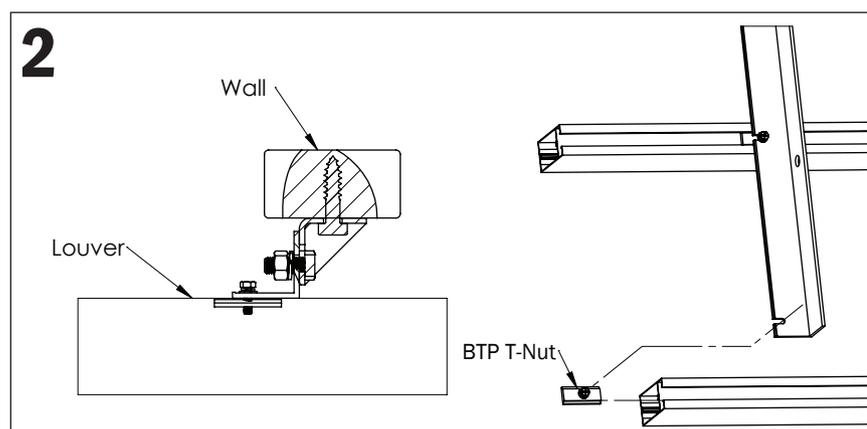
# Fortina Louvers > Wall > Stringer Mounted > Interior/Exterior

**STEP 1:** Locate the BTS-5050 Gusset brackets at 36" on center along the stringer length. Drill clearance holes in the stringer for  $\text{Ø}1/2"$  bolts to mount to the BTS-5050 Gusset Brackets. Secure the brackets to the wall using anchor hardware appropriate to the wall material (Brackets fit  $\text{Ø}1/2"$  bolt maximum).

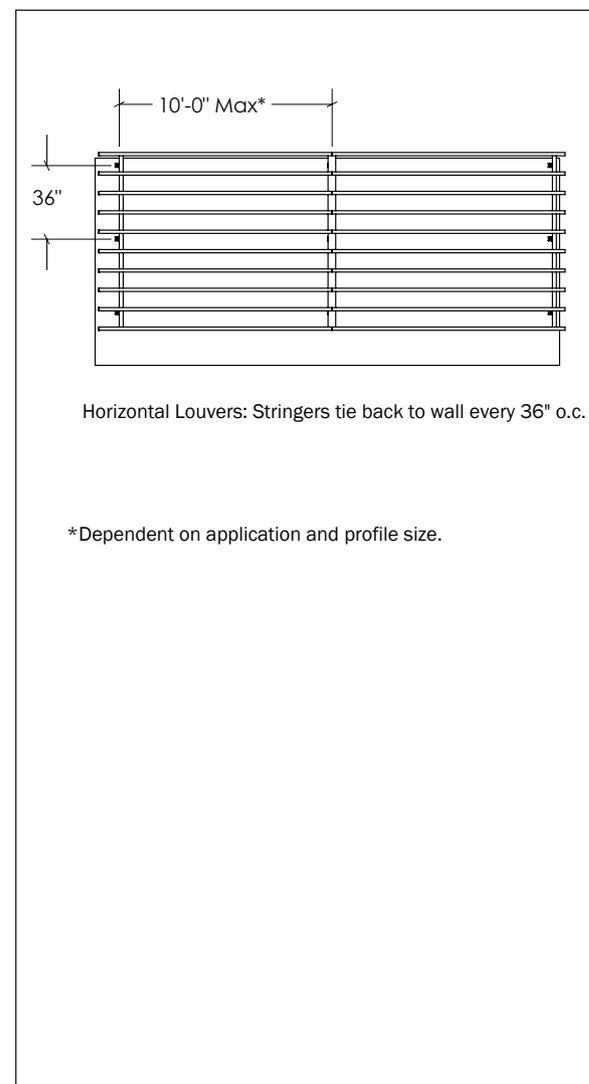
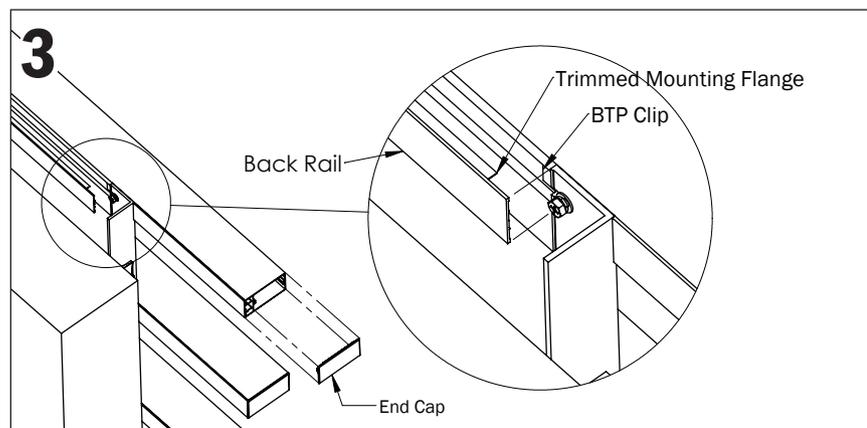


Repeat process until all required stringer support has been installed on walls according to elevations.

**STEP 2:** Install the louvers by positioning them at the correct height and spacing as dictated by the pre-notched stringers. Slot the BTP clip into the open channel at the back of the louver, and seat it into the notch in the louver. Fully tightening the bolt on the T-Nut will engage the thread locking compound.



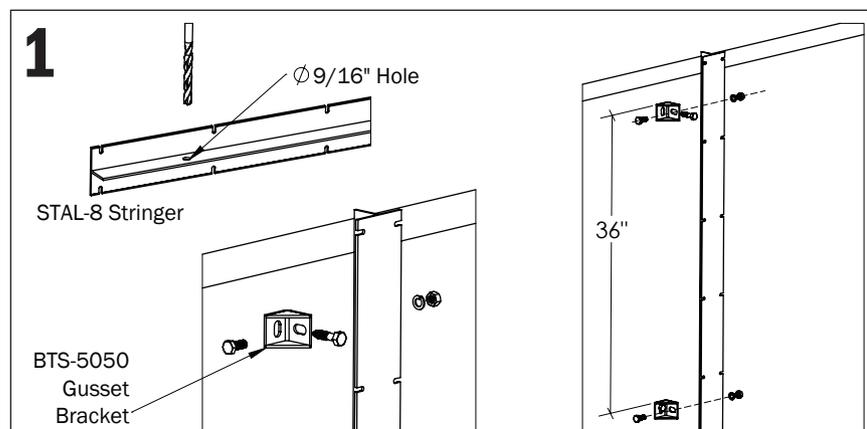
**STEP 3:** Finish the installation by snapping or screwing on end caps and pressing back rails into the open back channel if the back side of the louver is visible. The back rail mounting flanges may need to be trimmed to avoid the BTP Clips.



## INSTALLATION INSTRUCTIONS

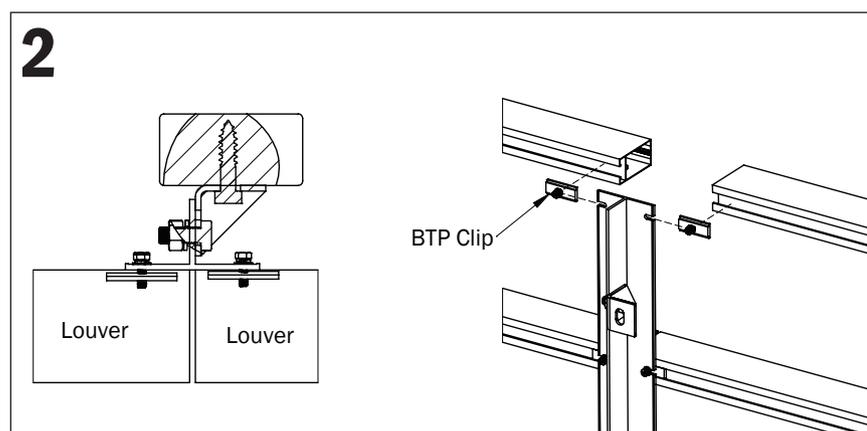
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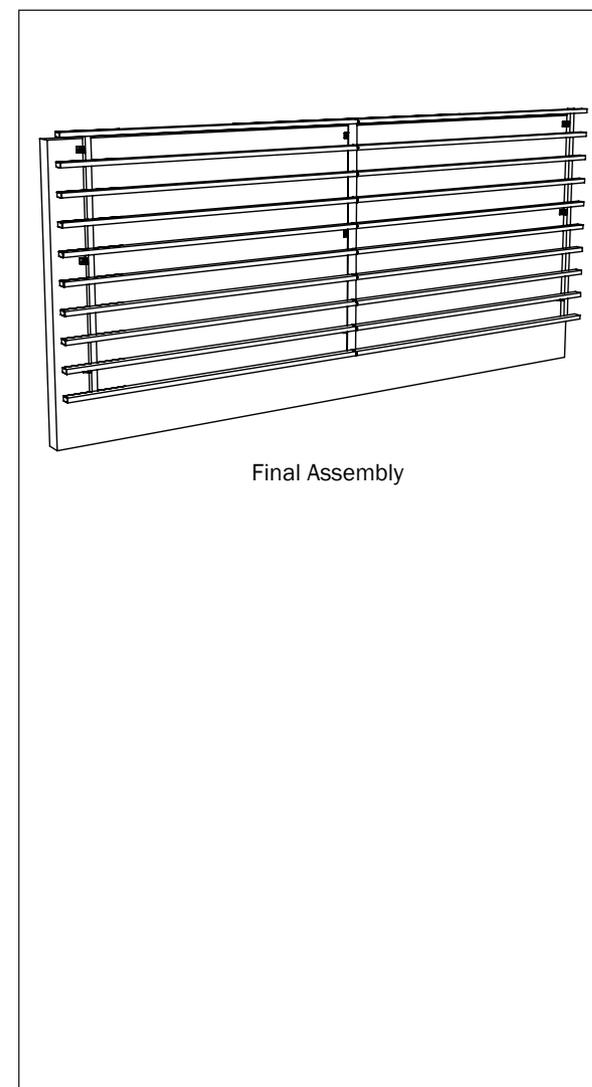
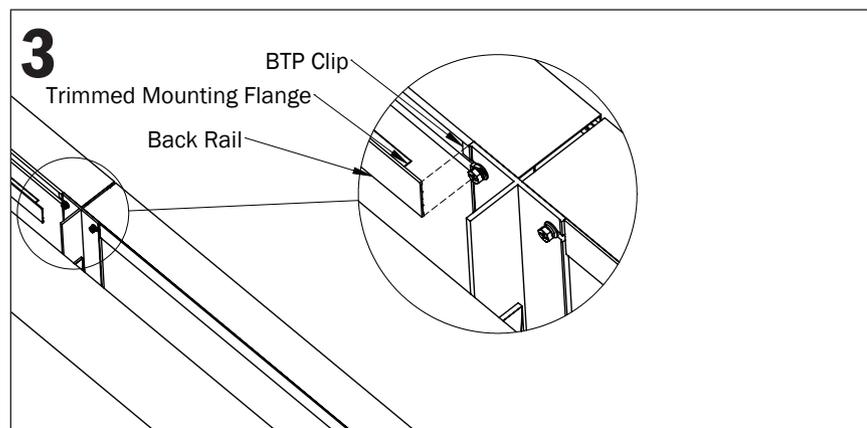


Repeat process until all required stringer support has been installed on walls according to elevations.

**STEP 2:** Install the louvers by positioning them at the correct height and spacing as dictated by the pre-notched stringers. Slot the BTP clip into the open channel at the back of the louver, and seat it into the notch in the louver. Fully tightening the bolt on the T-Nut will engage the thread locking compound.



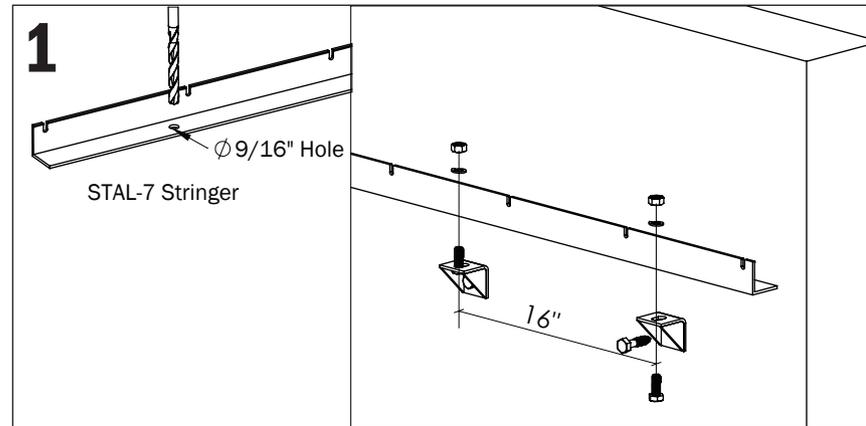
**STEP 3:** Finish the installation by snapping or screwing on end caps and pressing back rails into the open back channel if the back side of the louver is visible. The back rail mounting flanges may need to be trimmed to avoid the BTP Clips.



## INSTALLATION INSTRUCTIONS

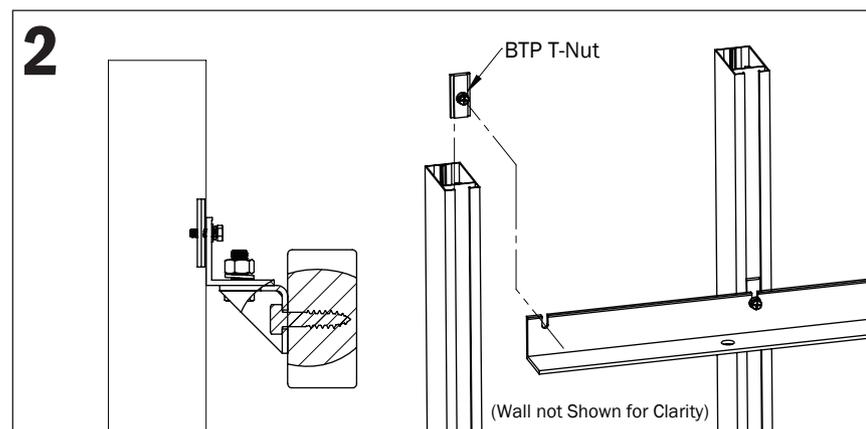
# Fortina Louvers > Wall > Stringer Mounted > Interior/Exterior

**STEP 1:** Locate the BTS-5050 Gusset brackets at 16" on center along the stringer length. Drill clearance holes in the stringer for  $\text{Ø}1/2"$  bolts to mount to the BTS-5050 Gusset Brackets. Secure the brackets to the wall using anchor hardware appropriate to the wall material (Brackets fit  $\text{Ø}1/2"$  bolt maximum).

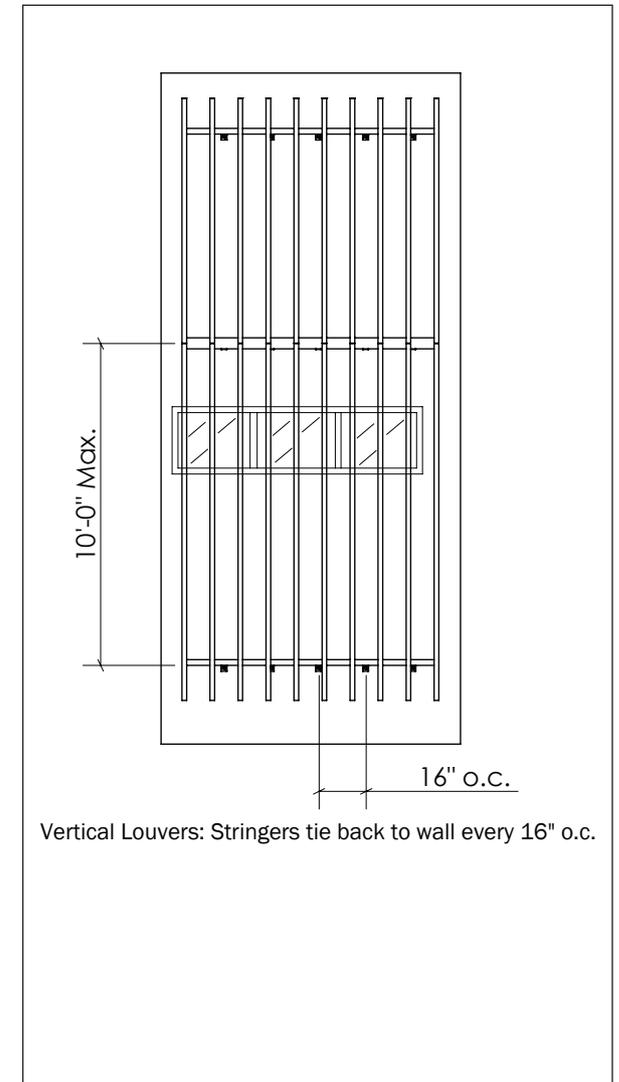
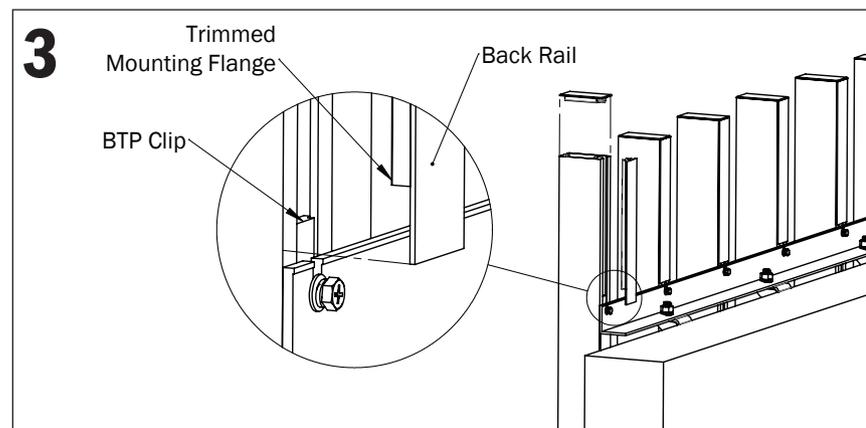


Repeat process until all required stringer support has been installed on walls according to elevations.

**STEP 2:** Install the louvers by positioning them at the correct height and spacing as dictated by the pre-notched stringers. Slot the BTP clip into the open channel at the back of the louver, and seat it into the notch in the louver. Fully tightening the bolt on the T-Nut will engage the thread locking compound.



**STEP 3:** Finish the installation by snapping or screwing on end caps and pressing back rails into the open back channel if the back side of the louver is visible. The back rail mounting flanges may need to be trimmed to avoid the BTP Clip.



## INSTALLATION INSTRUCTIONS

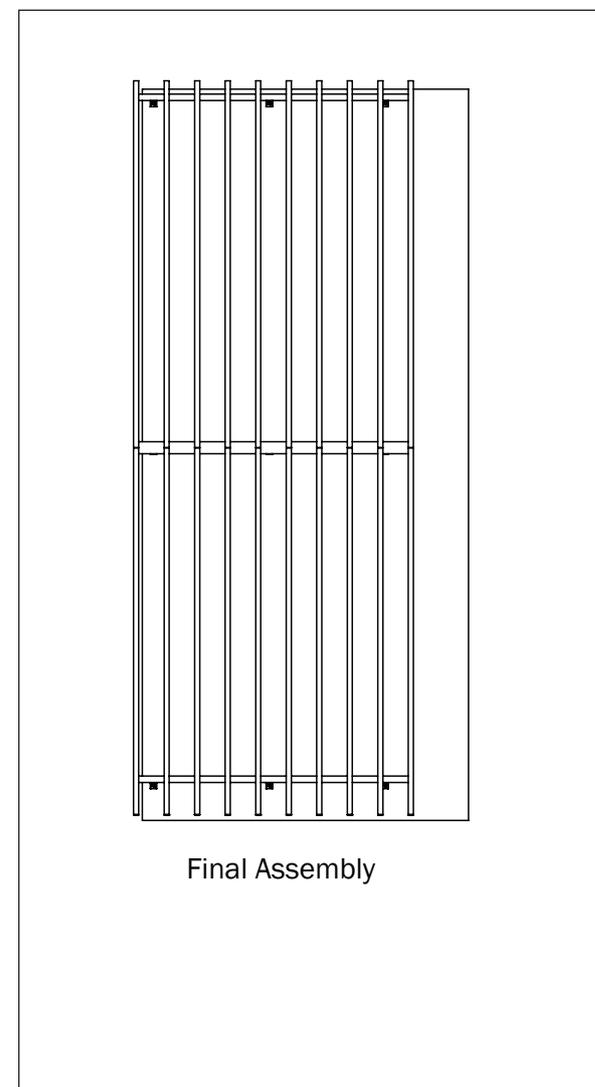
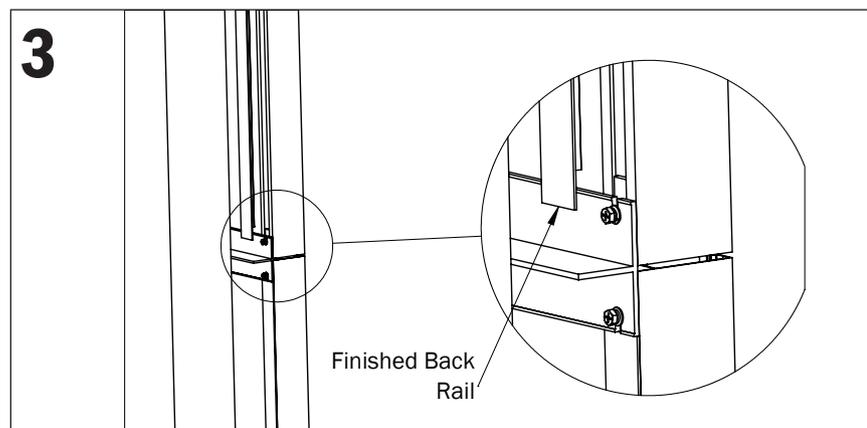
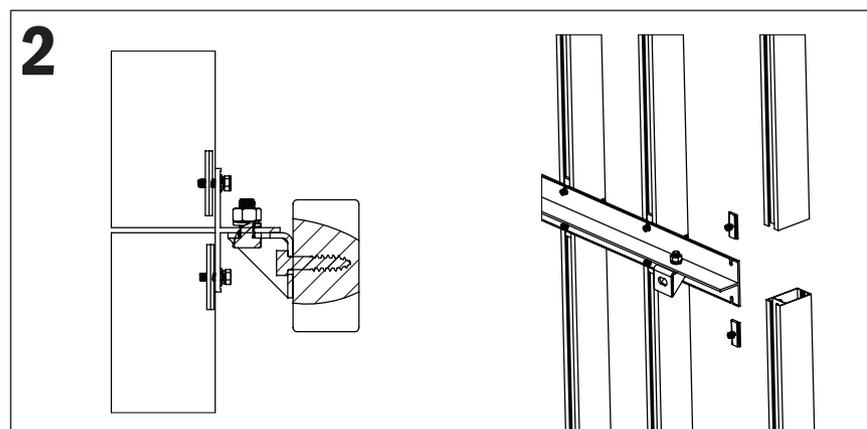
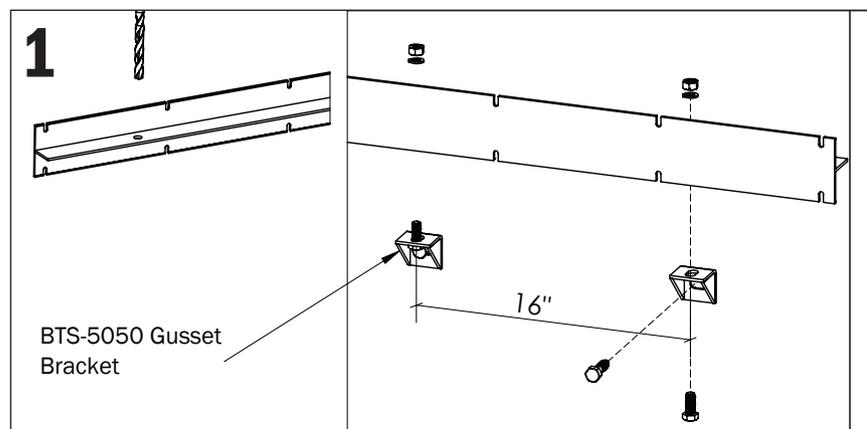
# Fortina Louvers > Wall > Stringer Mounted > Interior/Exterior

**STEP 1:** Locate the BTS-5050 Gusset brackets at 16" on center along the stringer length. Drill clearance holes in the stringer for  $\text{\O}1/2$ " bolts to mount to the BTS-5050 Gusset Brackets. Secure the brackets to the wall using anchor hardware appropriate to the wall material (Brackets fit  $\text{\O}1/2$ " bolt maximum).

Repeat process until all required stringer support has been installed on walls according to elevations.

**STEP 2:** Install the louvers by positioning them at the correct height and spacing as dictated by the pre-notched stringers. Slot the BTP clip into the open channel at the back of the louver, and seat it into the notch in the louver. Fully tightening the bolt on the T-Nut will engage the thread locking compound.

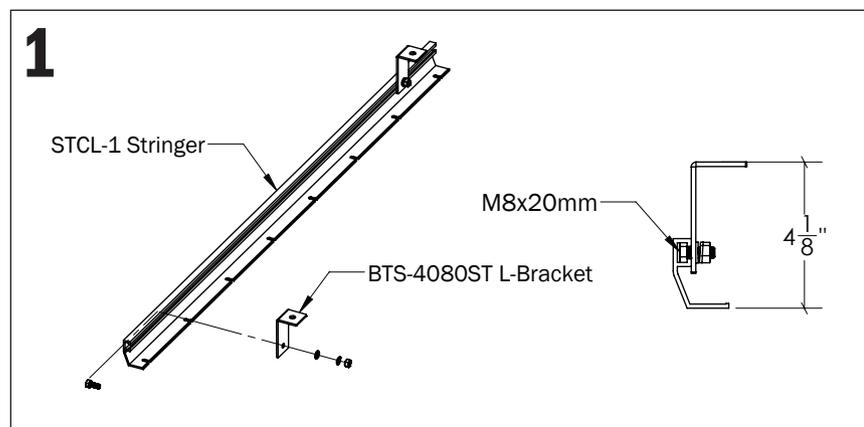
**STEP 3:** Finish the installation by snapping or screwing on end caps and pressing back rails into the open back channel if the back side of the louver is visible. The back rail mounting flanges may need to be trimmed to avoid the BTP Clips.



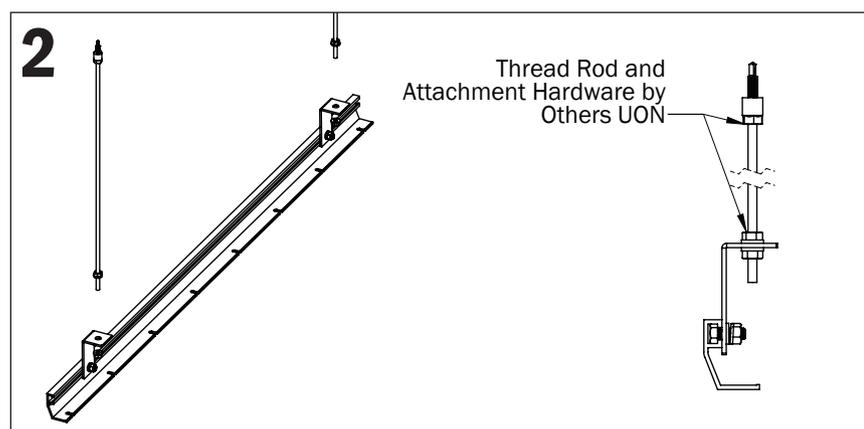
## INSTALLATION INSTRUCTIONS

# Fortina Louvers > Ceiling > Stringer Mounted > Interior Only

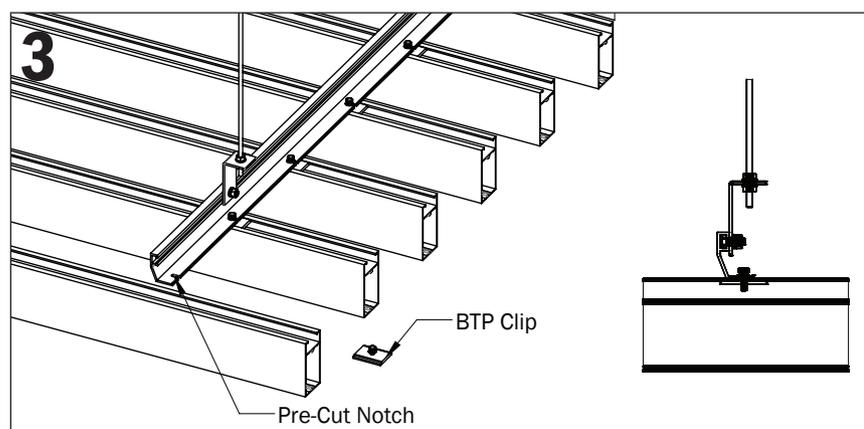
**STEP 1:** Slide the included M8 Bolt into the C-shaped track of the stringer so that the head is in the track and the threads stick out. Attach the L-Brackets as shown no more than 36" apart along the length of the stringer.



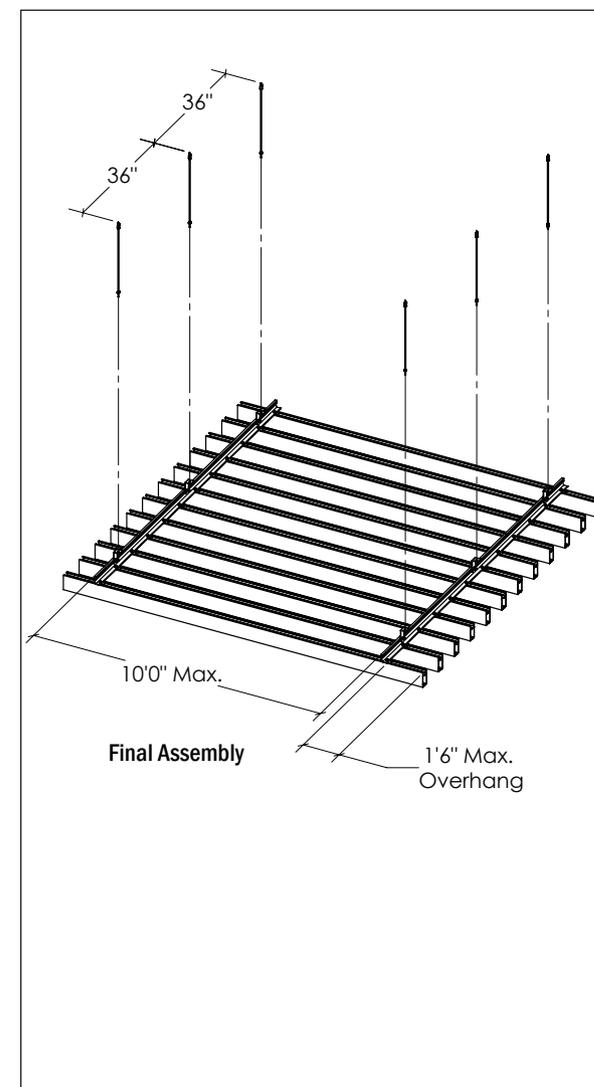
**STEP 2:** Locate threaded rod supports in the ceiling blocking every 36". The L-Bracket supports up to  $\text{Ø}3/8$ " rod. Guide the thread rod through the hole in the bracket and thread on a nut/washer from underneath to support it.



**STEP 3:** Starting at one end of the stringer, attach the louvers by sliding the BTP T-Nut into the open channel of the louver, aligning the bolt with the pre-cut notch.



Note that the panels may also be pre-assembled on the ground and hoisted up to supporting rods.



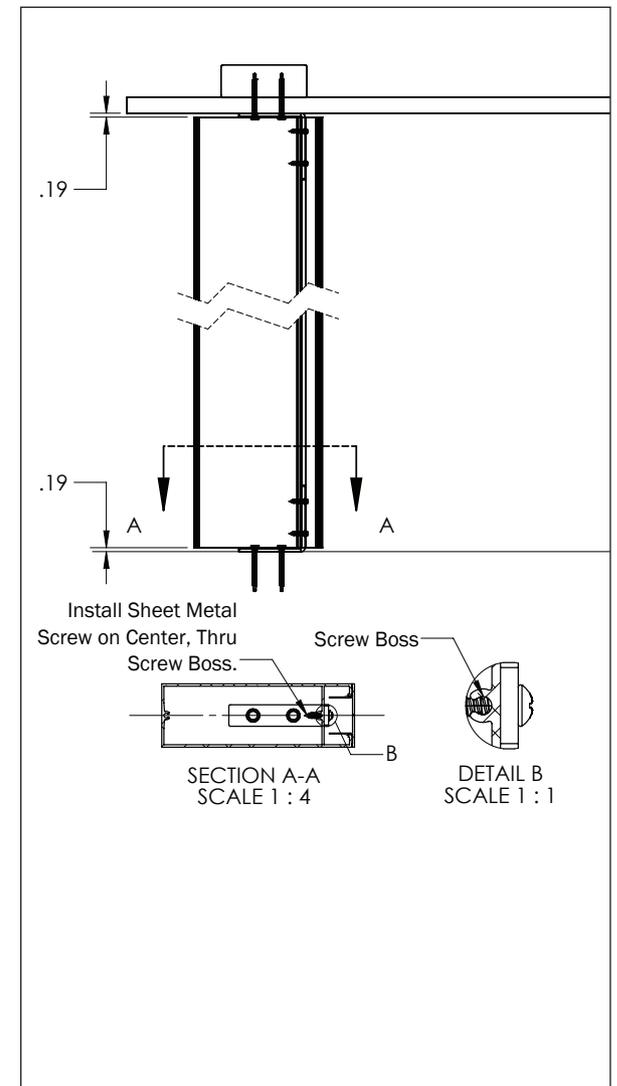
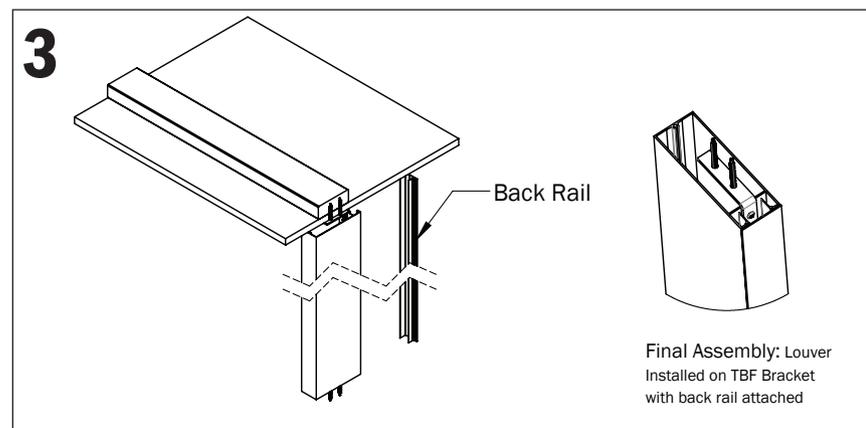
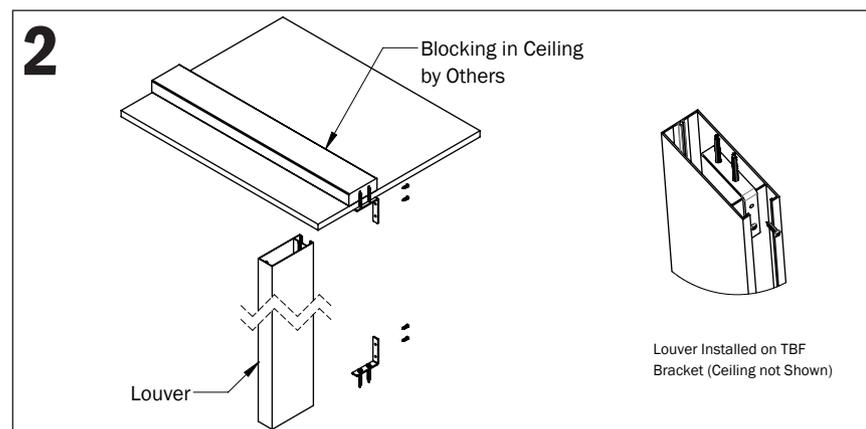
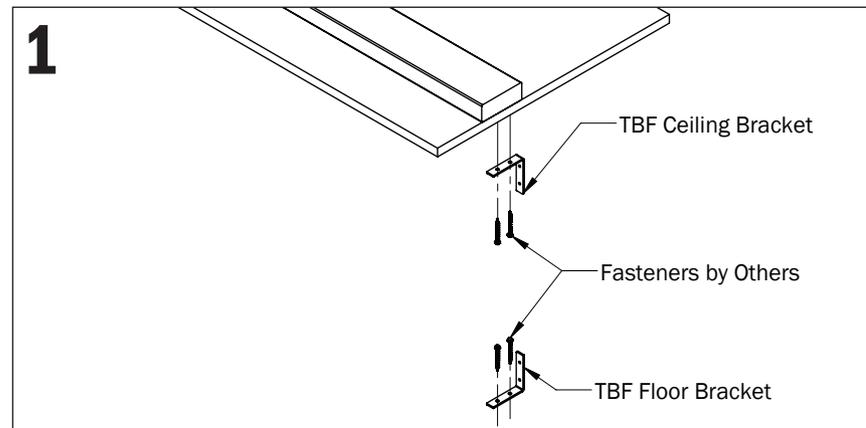
## INSTALLATION INSTRUCTIONS

# Fortina Louvers > Floor To Ceiling > Interior/Exterior

**STEP 1:** Mount TBF Brackets to floor and ceiling with appropriate blocking and hardware.

**STEP 2:** Slide the open channel of the louver over the brackets. The louver should be 3/8" shorter than the measured floor to ceiling height to allow clearance for the brackets. Using the brackets as a guide, drill pilot holes centered on the louver going through the screw boss. Use two #8 sheet metal screws to secure the louver to the bracket at both the ceiling and the floor.

**STEP 3:** Once the louver is securely fastened, the back rail may be snapped into place by hand.



## INSTALLATION INSTRUCTIONS

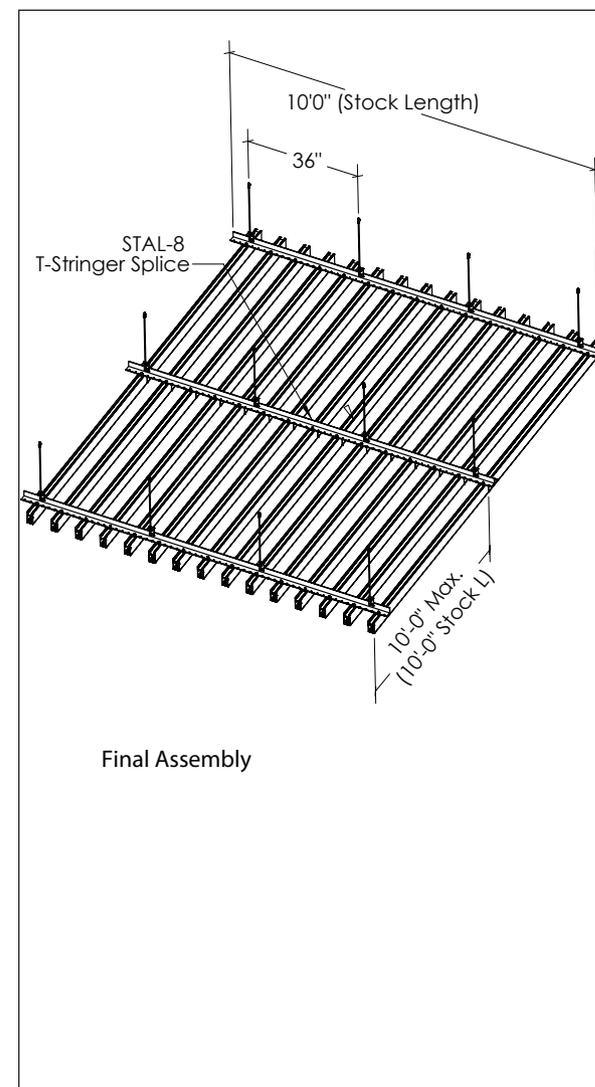
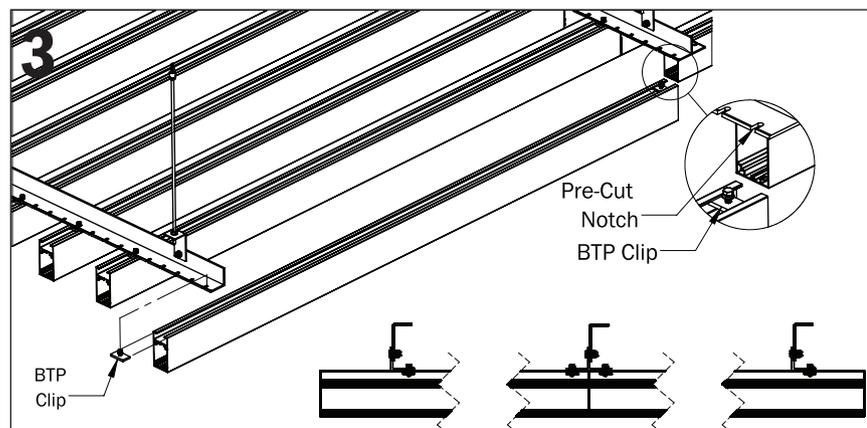
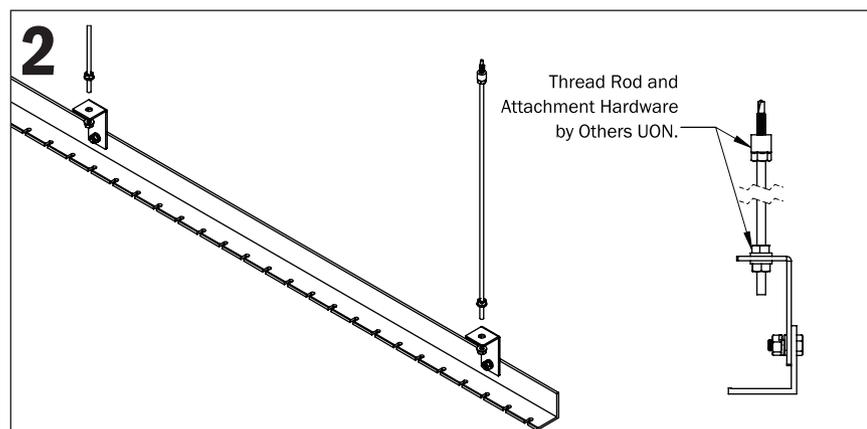
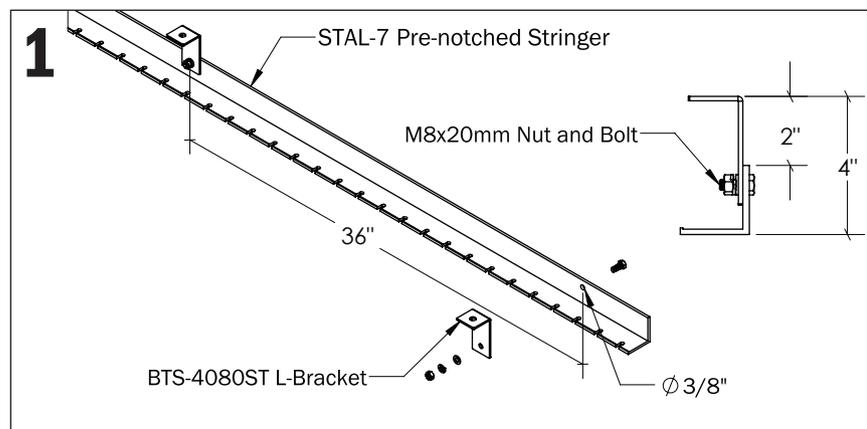
# Fortina Louvers > Ceiling > Interior/Exterior

**STEP 1:** Drill clearance holes in the stringer for the M8 bolt (about  $\text{Ø}3/8"$ ). Attach the L-Brackets as shown no more than 36" apart along the length of the stringer.

**STEP 2:** Locate threaded rod supports in the ceiling blocking every 36". The L-Bracket supports up to  $\text{Ø}3/8"$  rod. Guide the thread rod through the hole in the bracket and thread on a nut/washer from underneath to support it.

**STEP 3:** Starting at one end of the stringer, attach the louvers by sliding the BTP T-Nut into the open channel of the louver, aligning the bolt with the pre-cut notch.

Note that the panels may also be pre-assembled on the ground and hoisted up to supporting rods.



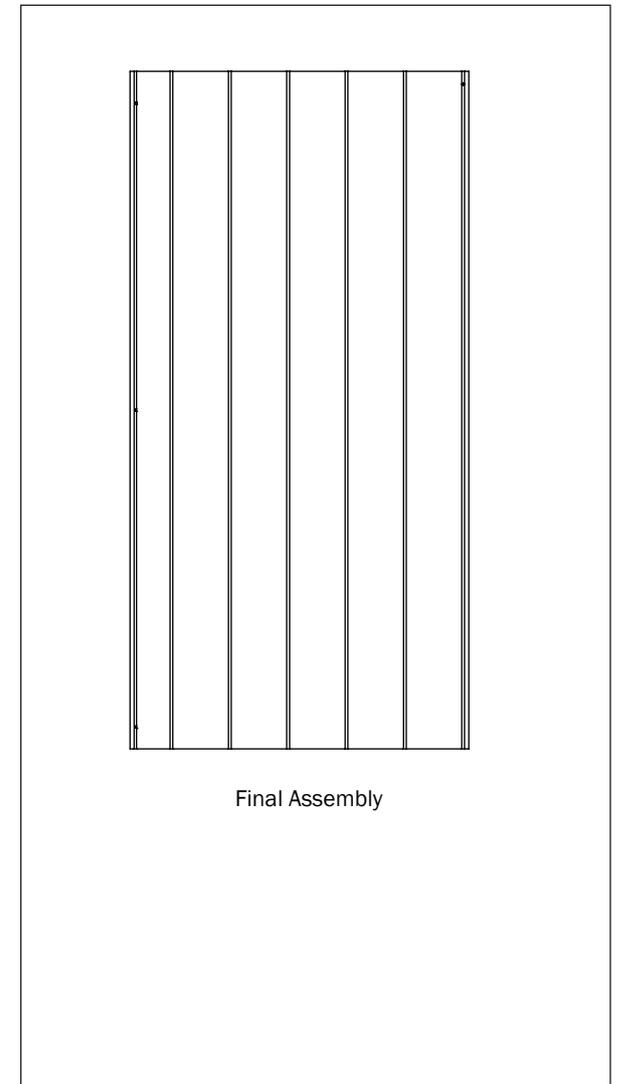
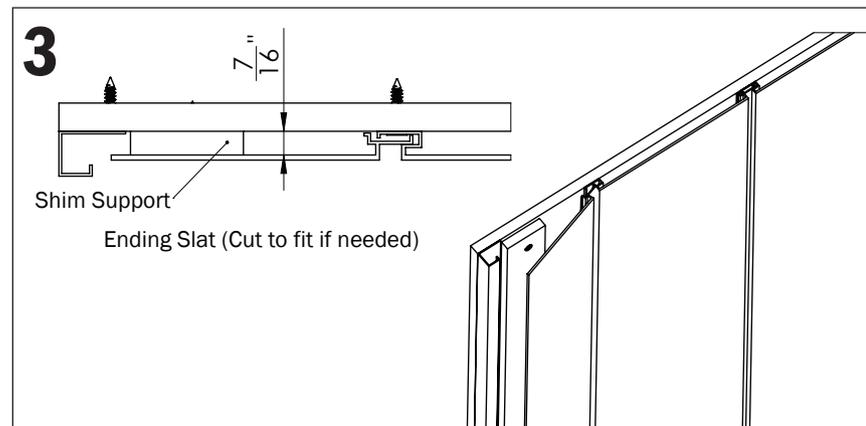
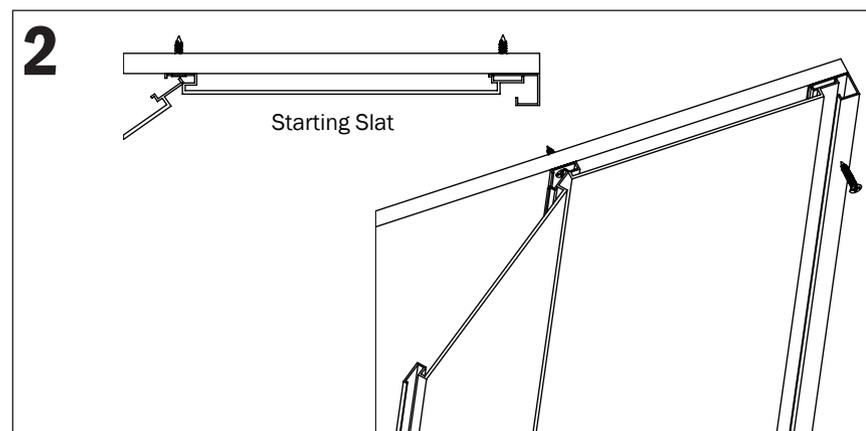
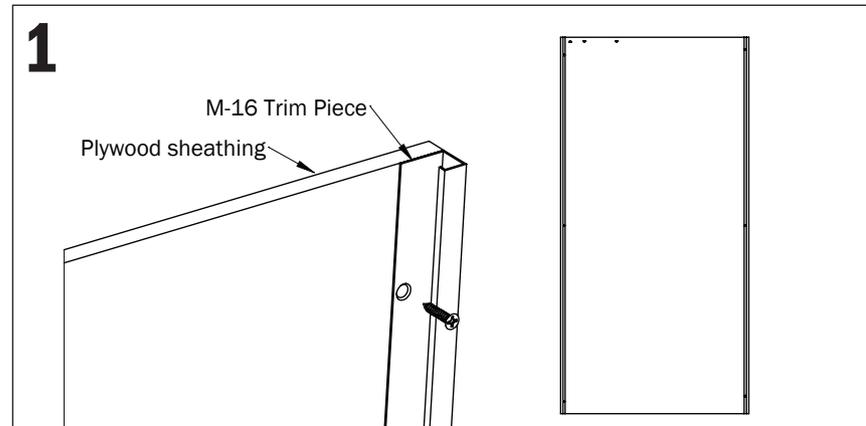
## INSTALLATION INSTRUCTIONS

# Fortina Slats > Wall > Interior/Exterior

**STEP 1:** Ensure that the mounting surface for the slats is as flat and smooth as possible. Establish the starting side by screwing the edge trim to the wall to create a finished edge.

**STEP 2:** Install the first slat as shown, using low-profile screws to secure the groove side every 24" along the slat length. Rotate the "tongue" side of the next slat into the groove of the previous and screw the groove side into place. Slats are installed progressively in this manner.

**STEP 3:** Often the last slat in the sequence will need to be cut lengthwise (rip-cut) to fit, and a shim piece will be needed to support it. Screw the shim to the wall and secure the slat to the shim with double-stick tape or discrete screws.



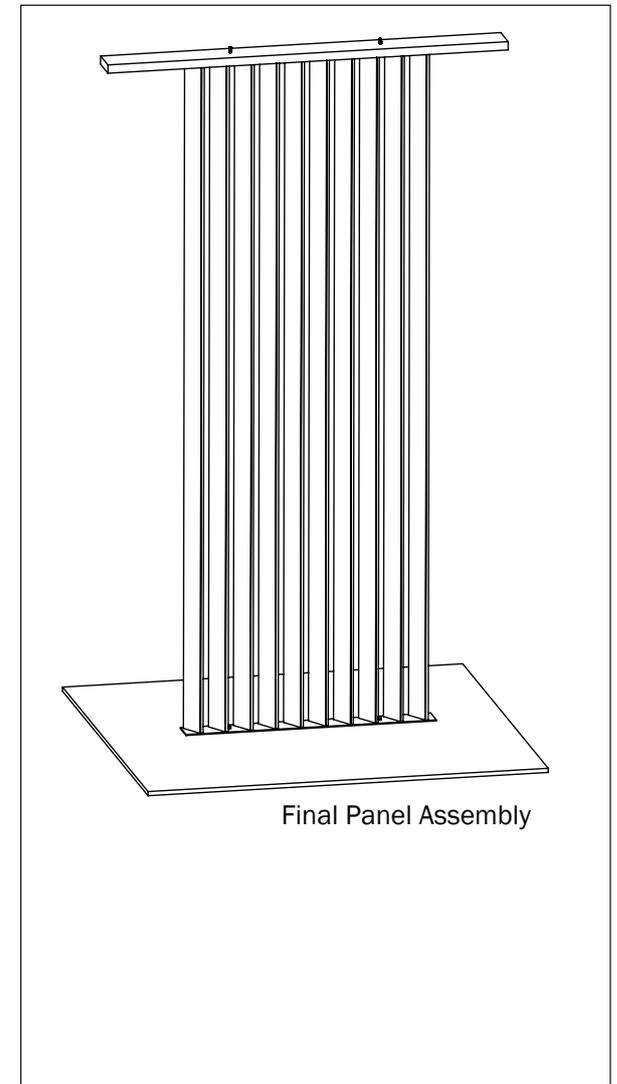
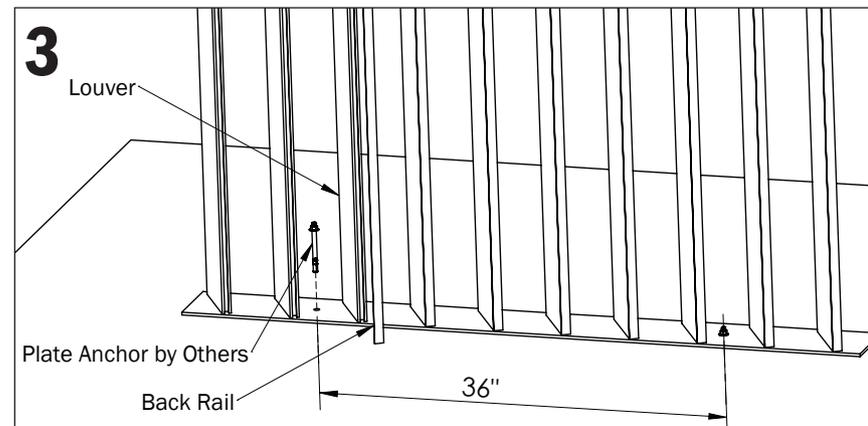
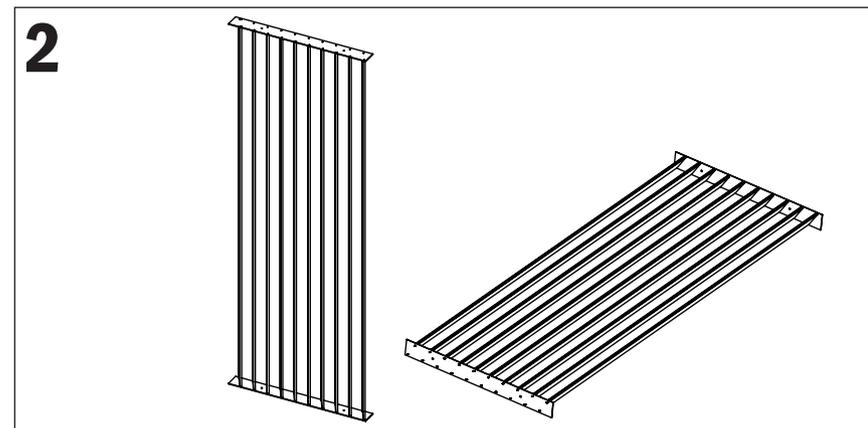
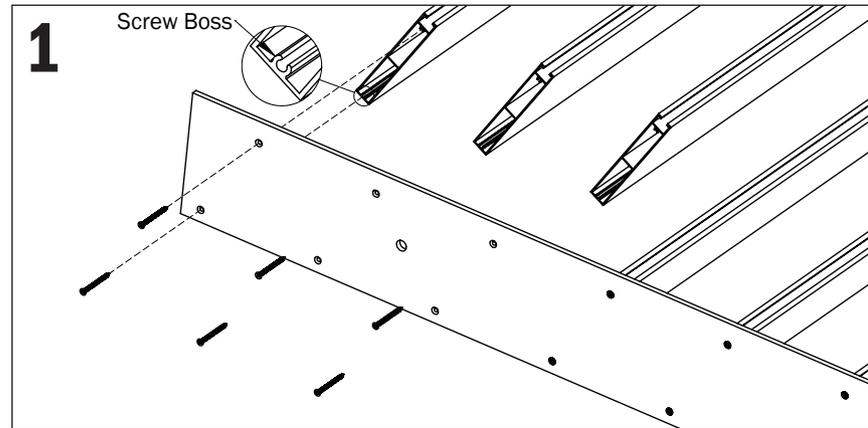
## INSTALLATION INSTRUCTIONS

# Fortina Slats > Screen End Plate > Interior/Exterior

**STEP 1:** Align the louver screw bosses with the counter-sunk holes in the end plate. Be sure to note which way the open channel at the back of the louver is facing. Install two #8 sheet metal screws per side on each louver.

**STEP 2:** Repeat the process with the second end plate to create the screen panel. Back rail covers may be installed at this point, or once the screen is mounted, as long as the back side is accessible.

**STEP 3:** Position the screen panel and install shims as needed. Anchor the screen to the floor and ceiling with suitable anchors spaced no more than 36" apart for each plate. If not already installed, press on finished back rails to complete the assembly.



## INSTALLATION INSTRUCTIONS

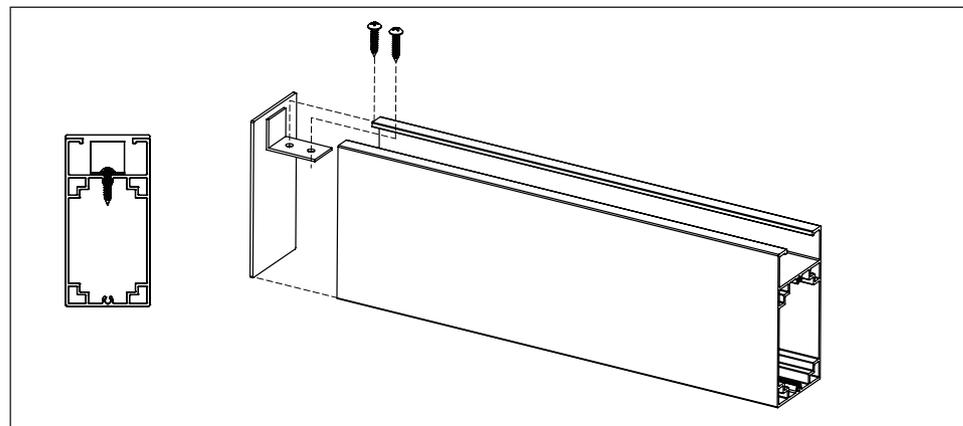
# Fortina Slats > Endcaps

### Domestic (USAB)

Used on: Domestic THS-3010/5010/5015 Material: Steel

Finish: Powder Coat to Match Louver Finish

**Installation:** Align end cap to louver face and pre-drill  $\varnothing 1/8"$  pilot holes. Firmly hold the cap in place and install two #8 sheet metal screws (not included) as shown.

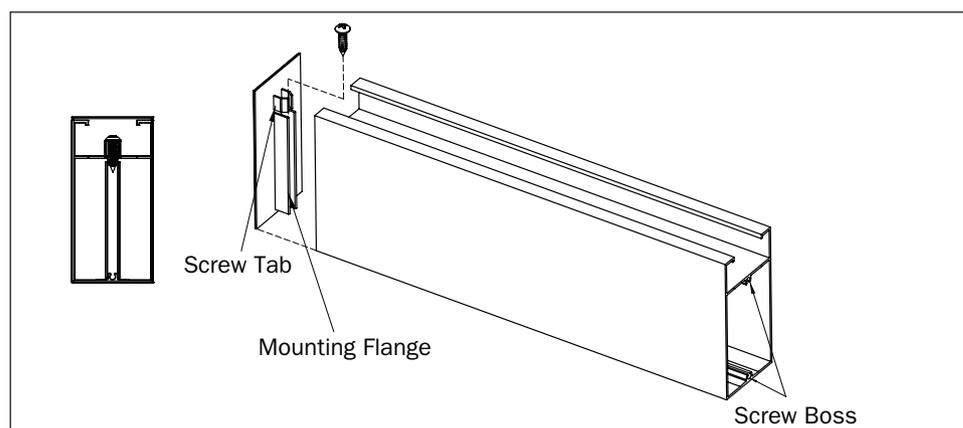


### Snap-on

Used on: THS (Stringer-Attach) Louvers Material: Aluminum

Finish: Powder Coat match or Wood Grain

**Installation:** Align the mounting flanges on either side of the screw boss with the screw tab facing the open back channel as shown. Tap the end cap with a soft mallet to press-fit it in place and screw a #10 sheet metal screw (not included) onto the tab for added retention.

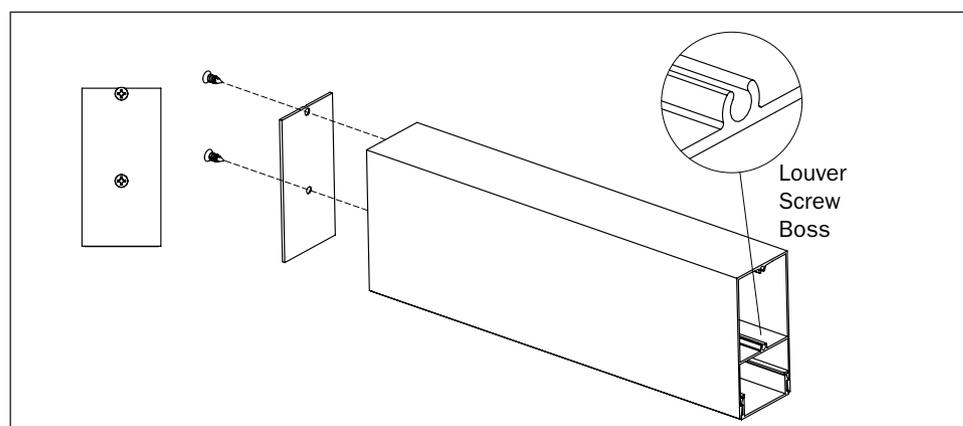


### Screw-on

Used on: TLKS (Direct-Attach) Louvers Material: Aluminum

Finish: Powder Coat match or Wood Grain

**Installation:** Align the cap mounting holes with the integral screw bosses in the louver. Install the included sheet metal screw with a #3 small phillips drive.

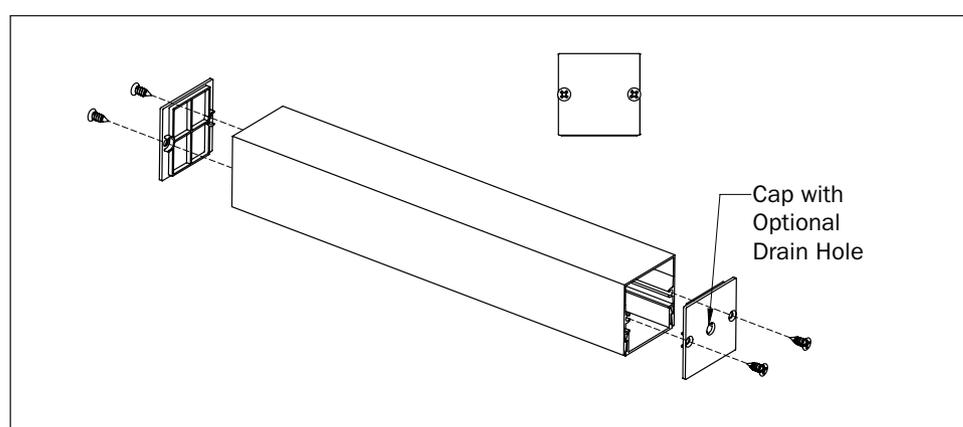


### Screw-on Plastic

Used on: Domestic TLKS-5050 Louvers Material: ABS

Finish: Color to Match Wood Grain

**Installation:** Align the cap mounting holes with the integral screw bosses in the louver. Install the included sheet metal screw with a #3 small phillips drive.





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