

MODELS:

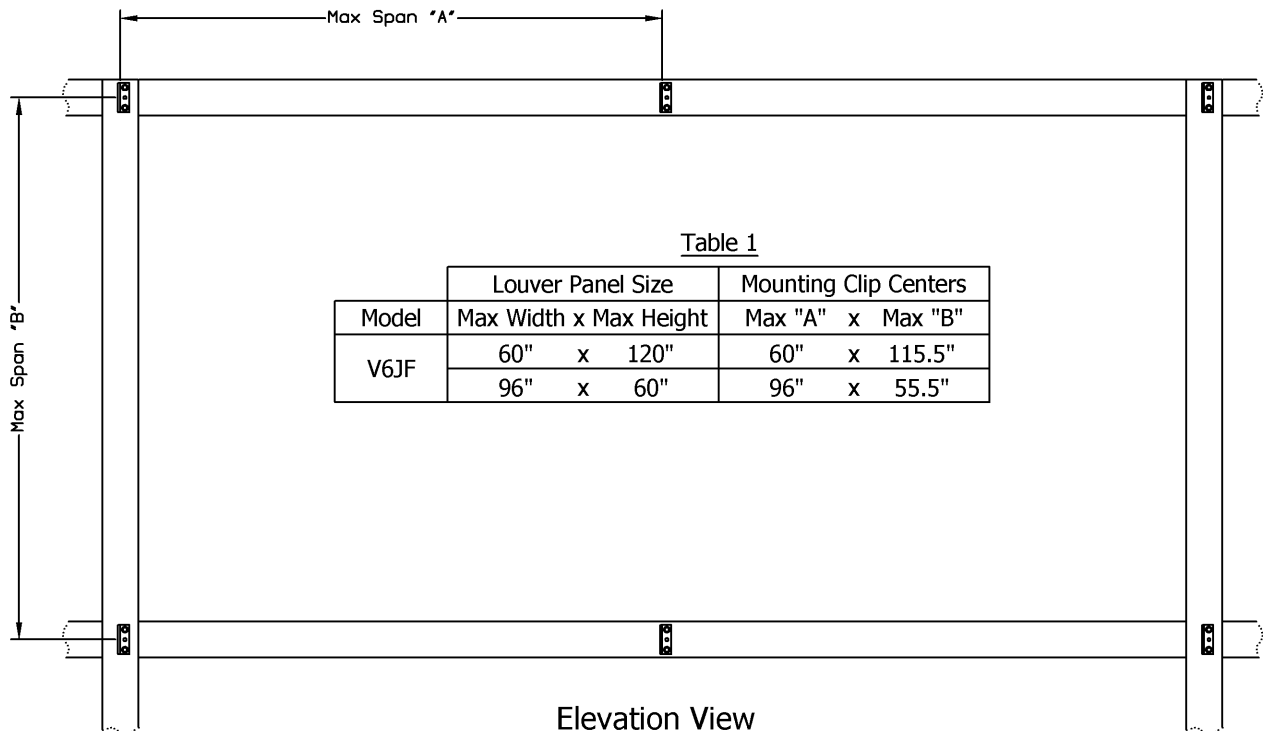
V6JF

General Notes

1. Maximum size is unlimited. However, screens larger than the maximum single panel size require field assembly from smaller screen panels to make the overall screen size.
2. Intermediate screen supports and all panel joints require bracing or support from the building structure to provide the overall structural integrity.
3. Some structural members, mounting angles, clips, fasteners, and installation hardware may be supplied by the installing contractor. Additional information may be found in MIAMI-DADE COUNTY, FL APPROVAL: NOA# 18-0222.10 EXPIRES 10/31/2023.
4. These installation instructions should be used in conjunction with any job-specific drawings provided.

General Installation Requirements

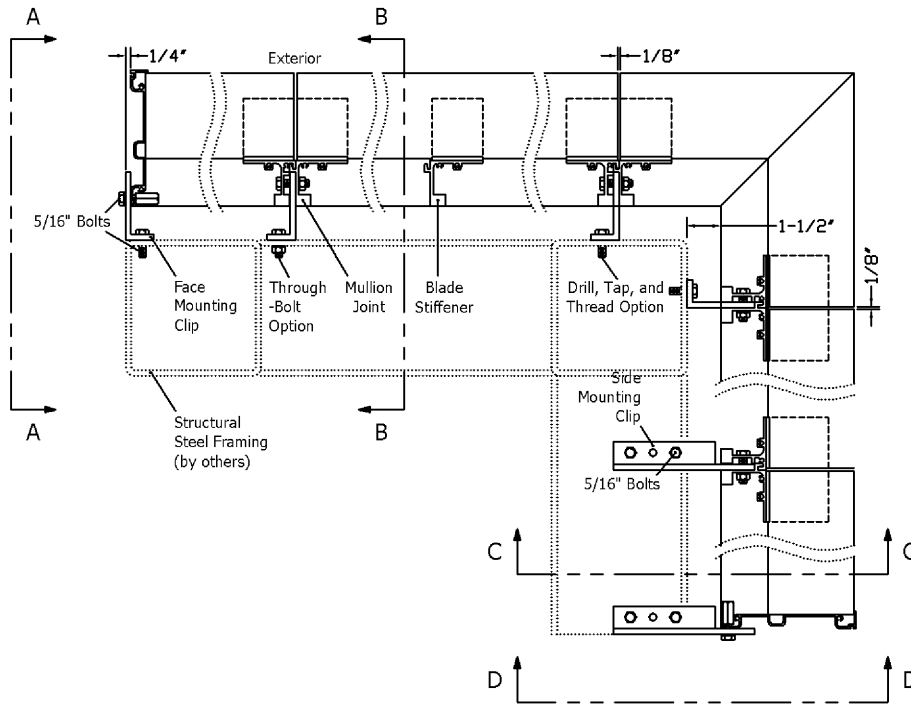
1. Dependant upon panel width, an intermediate blade support may be provided to maintain structural integrity.
2. All mullion angles must be attached to the structural framing (by others) on maximum centers per the chart below and 8" maximum from the top, bottom, or ends (to meet applicable wind loads). Max "A" dimension may be reduced if the calculated wind pressure exceeds 100 psf.
2. Vertical or horizontal framing members or a combination of both may be used to support the screen assembly.



Elevation View
Structural Frame (by others)

Mounting Details

Plan View



Note:

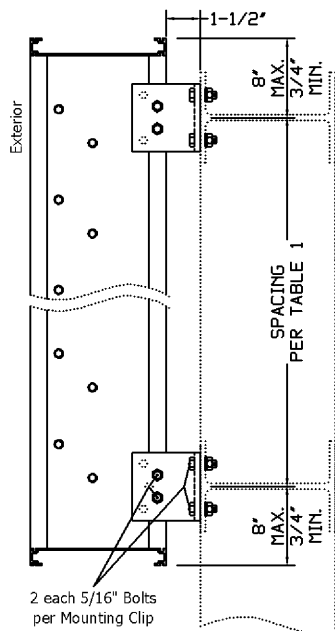
5/16" bolts may be tapped and threaded, or through-bolted, into 1/4" thickness steel (minimum).

Alternate:

Grade 5 Steel or 300 series SS 5/16" self-drilling fasteners may be used.

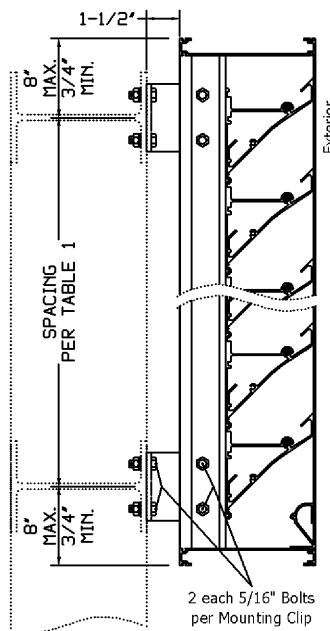
View A-A

Face Mounting at End



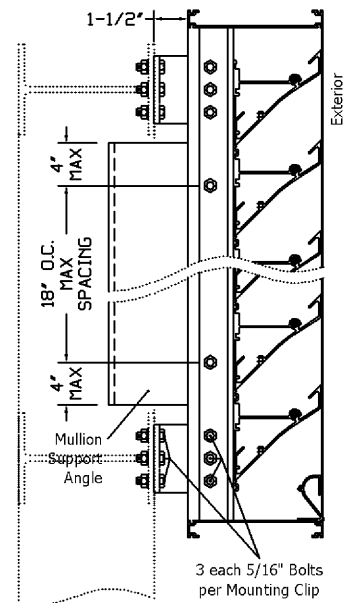
Section B-B

Face Mounting at Mullion Joint



Section B-B

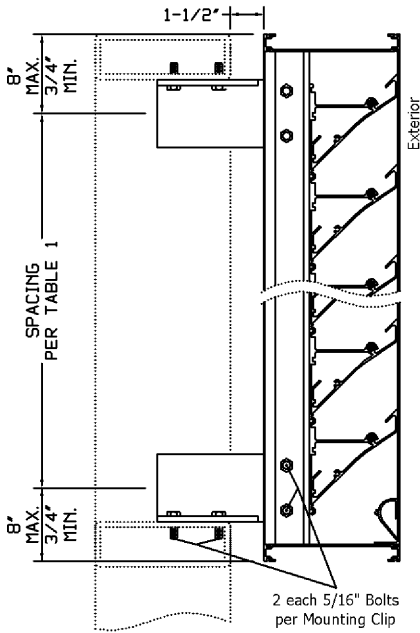
Face Mounting with Mullion Support Angle (if required)



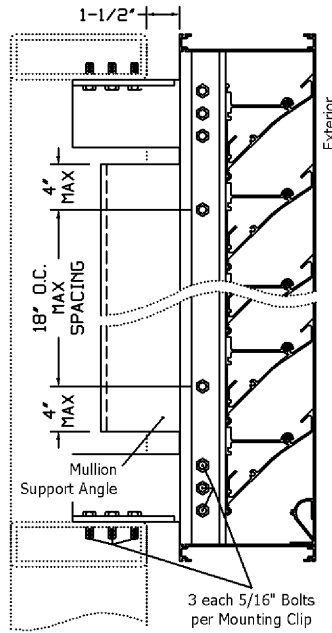
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Mounting Details Cont.

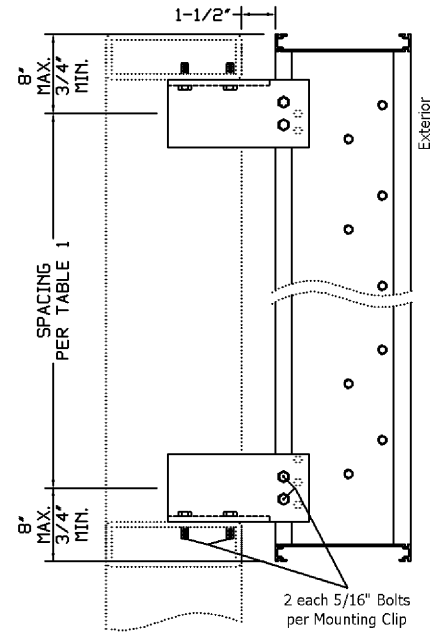
Section C-C
Side Mounting at Mullion Joint



Section C-C
Side Mounting with Mullion Support Angle (if required)

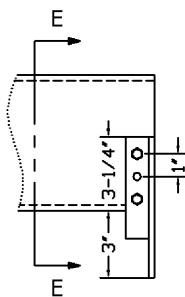


View D-D
Side Mounting at End



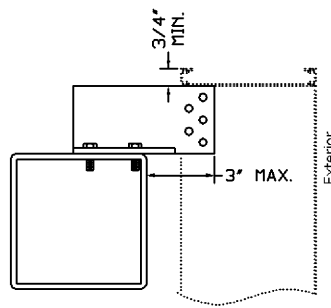
Mounting Procedure

Plan View

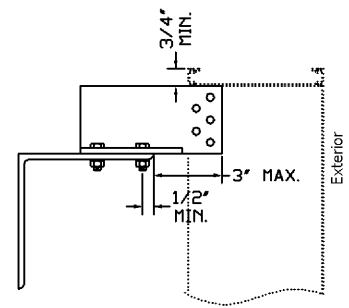


Side Mounting

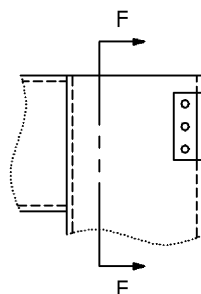
Section View E-E
Tap and Thread



Section View E-E
Through-Bolted

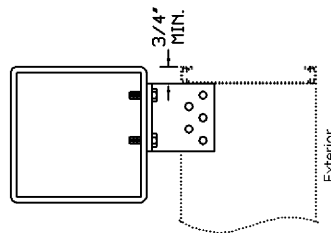


Elevation View

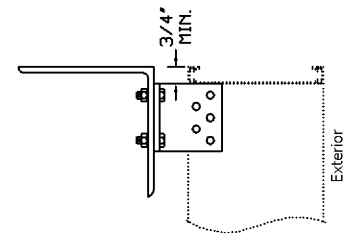


Face Mounting

Section View F-F
Tap and Thread



Section View F-F
Through-Bolted

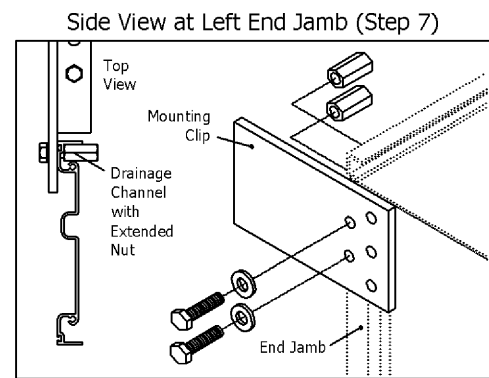
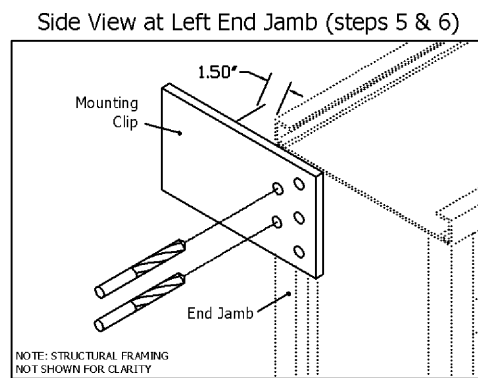


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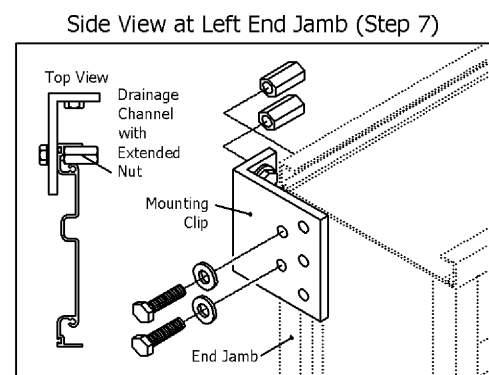
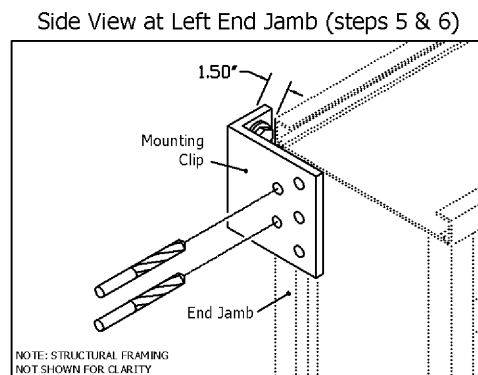
Mounting Procedure Cont.

1. Start at the left end of the run of louvers (when viewed from the exterior). Position the mounting clips onto the structural framing as shown on page 2. Use the mounting clip as a template to mark the hole locations.
2. Use gaskets or nylon washers between the mounting clip and the structural framing if corrosion between dissimilar metals is a concern.
- 3a. If you are using the alternate 5/16" self-drilling and tapping fasteners, center the drill tip within each hole in the mounting clip and install the fastener per the fastener manufacturer's instructions. Skip to Step 5.
- 3b. If you are through-bolting, drill 0.340" diameter holes (drill bit size "R") through the steel framing at the marked locations.
- 3c. If you are drilling and tapping holes, drill 0.277" diameter holes (drill bit size "J") through the steel framing at the marked locations. Tap the holes with a 5/16"-18 tap.
4. Fasten the mounting clips to the steel structural framing using the 5/16" x 1-1/4" bolts provided. Use Permatex Threadlocker Blue on each threaded connection. For through-bolt mounting, use Permatex Threadlocker Blue and matching lock washers and nuts provided.

Side Mounting



Face Mounting



5. Position the left end louver panel (when facing the front) as shown with a gap of 1.50" between the rear of the louver and the structural framing. This louver panel has a jamb frame at the left side.

6. Drill two (2) holes through the jamb frame with 0.340" diameter drill bit (size "R"). Repeat at all mounting clip locations along this side.

Note: The dimension from the top or bottom of the louver to the center of the mounting clip will vary depending on the structural framing type, mounting clip style, and any cantilever of the louver above or below the structural framing. Check project drawings for these dimensions.

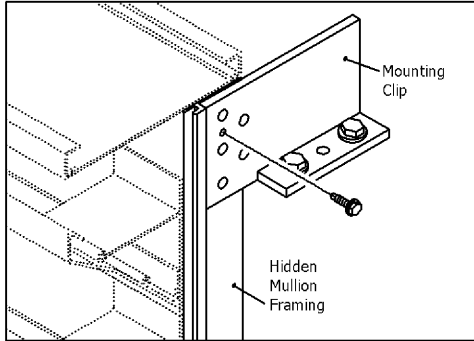
7. Insert 5/16" x 1" bolts through the mounting clip and the drilled holes from the previous step. Secure the bolts with Permatex Threadlocker Blue and extended nuts on the opposite side of the jamb. Nuts fit into the drainage channel of the louver jamb frame. Tighten the bolts with a wrench. Repeat at all mounting clip locations along this side.

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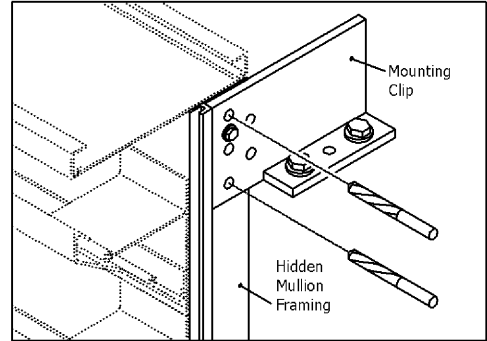
Mounting Procedure Cont.

Side Mounting

Side View at Mullion Joint (steps 8 & 9)

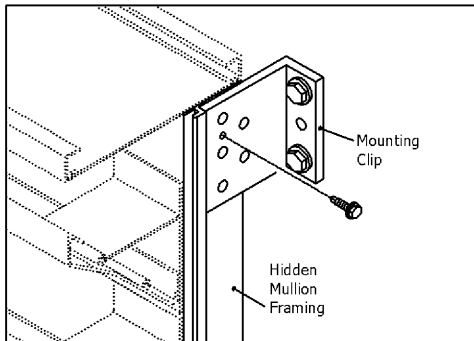


Side View at Mullion Joint (step 10)

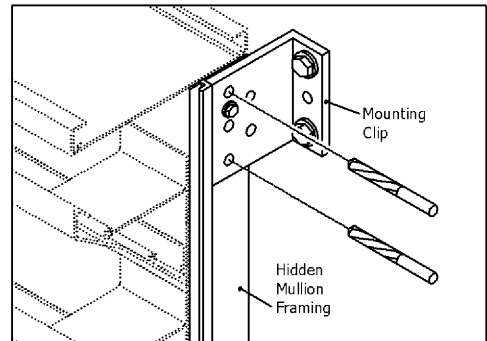


Face Mounting

Side View at Mullion Joint (steps 8 & 9)

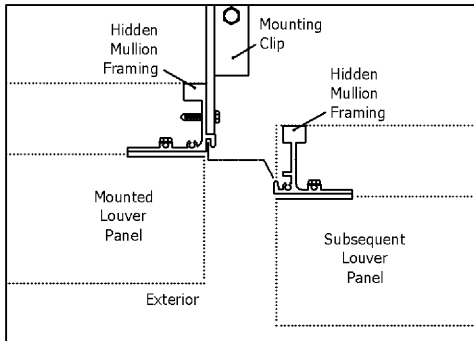


Side View at Mullion Joint (step 10)



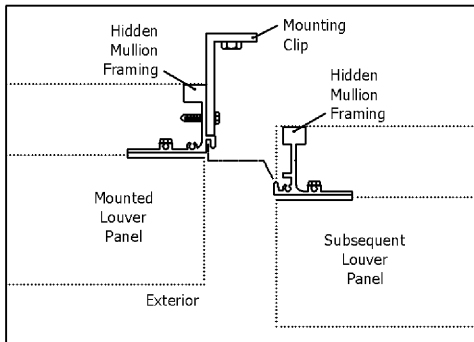
Side Mounting

Top View at Mullion Joint (step 11)



Face Mounting

Top View at Mullion Joint (step 11)



8. Level and square the louver panel with a gap of 1-1/2" between the rear of the louver and the steel structural framing. The dimension from the top and bottom of the panel to the center of the mounting clip may vary by project. Consult project specific drawings.

9. Attach the mounting clip to the web of the hidden mullion framing with one #10 x 1" self-drilling screw (provided). Repeat at all mounting clip locations along this side.

10. Using holes in the mounting clip as a guide, drill 2 (or 3) 0.340" diameter holes (drill bit size "R") through the web of the hidden mullion framing. If your mullion requires a Mullion Support Angle, 3 fasteners per mounting clip are required (see pages 2 and 3). Repeat at all mounting clip locations along this side.

11. Attach the the mounting clip to the steel structural framing (see steps 3 and 4) with the same number of fasteners as step 10.

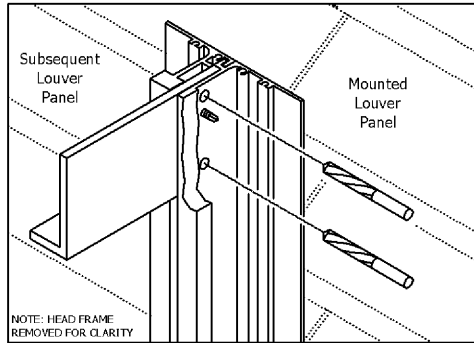
12. Using the interlocking male and female joints, mate the hidden mullion framing of the subsequent louver panel to the framing of the mounted louver panel. Align the panels vertically, insuring that adjacent blades are level. Support the free end of the subsequent louver panel as necessary to avoid racking and/or twisting of the louver panels.

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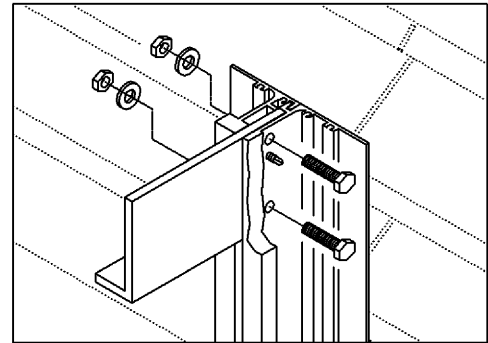
Mounting Procedure Cont.

Side Mounting

Rear View at Mullion Joint (step 13)

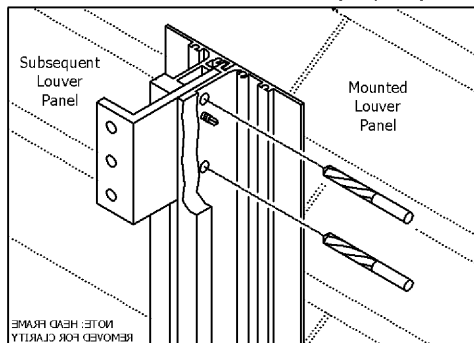


Rear View at Mullion Joint (step 14)

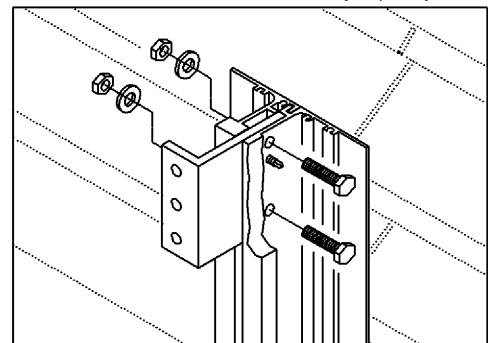


Face Mounting

Rear View at Mullion Joint (step 13)

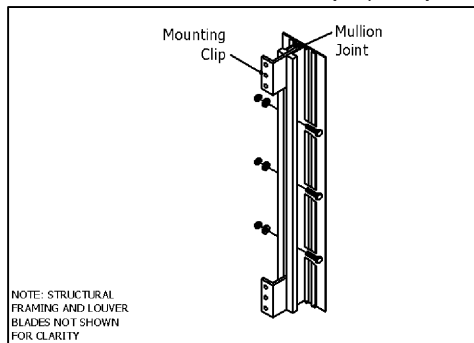


Rear View at Mullion Joint (step 14)



No Mullion Support Angle

Rear View at Mullion Joint (step 15a)



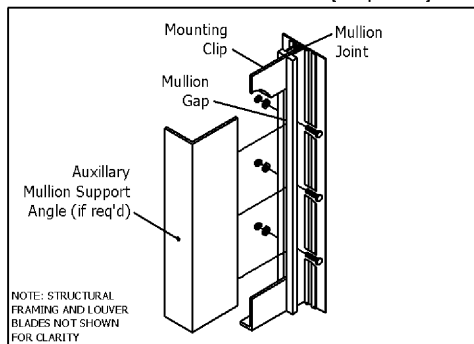
13. Using the holes in the hidden mullion and mounting clips as a guide, drill 0.340" diameter holes through the framing of the subsequent louver panel. Repeat for all mounting clip locations along this side.

14. At the drilled holes (from step 12), bolt the panels together with 5/16" x 1-1/4" long bolts, Permatex Threadlocker Blue, lock washers and nuts (provided).

15a. If no mullion support is required, Insert 5/16" x 1-1/4" long bolts through the pre-punched hole in the mullion (every 18" of height). Secure the bolts with Permatex Threadlocker Blue, lock washers and nuts (provided).

With Mullion Support Angle

Rear View at Mullion Joint (step 15b)



15b. If a mullion support angle is required, insert it into the mullion gap. Insure that the mullion support is fully seated between the stiffeners (approximately 1-3/8" deep). Using the pre-punched holes as a guide, drill through the leg of the mullion support angle with a .340 diameter drill bit (every 18" of height). Insert 5/16" x 1-1/4" long bolts (provided) through each drilled hole. Secure the bolts with Permatex Threadlocker Blue, 5/16" lock washers and nuts (provided).

16. Repeat steps 8-15 until the end of a run is reached. Then repeat steps 1-4 for mounting the right end jamb to the structural framing.