Modern Multi-Slide Exterior Mull Cap

Installation Instructions

ABSTRACT: This instruction will show the installation and sealing details for the following:

- 2" (A04307) exterior mull cap on 2” tube steel mull assemblies.
- 4 1/2" (A3568) exterior mull cap for 4 ½” stud pocket applications.

Applicable Products and Usage Dates:

Modern Multi-slide Door* built 12/15/2025 to present, mulled adjacent to any of the following:

- Modern Direct Glaze
- Modern Casement
- Modern Swinging Door
- Modern Sliding Door

NOTE: This does not pertain to a multi-slide to multi-slide mull with 2" tube steel.

*Multi-Slide doors built 12/15/2025 to present are equipped with an exterior accessory groove that will accept the exterior mull cap.

IMPORTANT

Sealing details within are intended as water management suggestions and not intended to show certified structural details. **These details assume the installation uses a panning system at the sill that diverts water to the building’s water management plane.** Details shown within are atypical, and meant for illustrative purposes only. Your scenario may be different.

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NOTE: Some images are shown with product cut away for illustrative purposes. 2" tube steel assembles shown in most images, the process is similar for stud pocket unless noted otherwise.

Installing the Exterior Mull Cap

Parts Needed:

Order the following parts from Marvin:

- 2" Mull cap: (A04307) for tube steel assemblies OR
- 4 1/2" Mull cap: (A3568) for stud pockets.
- Frame kerf weatherstrip (M1242)

Items Needed:

You will need to provide the following materials not provided by Marvin:

- 1 3/4" wide rigid foam block for tube steel (typically made from rigid foam insulation board).
- Sealant and caulking gun
- Flashing tape

⚠WARNING!

Always practice safety! Wear the appropriate eye, ear, and hand protection, especially when working with power tools.

ATTENTION

If you have a 4 1/2" stud pocket application, skip to step 2 on page 2.

1. From the exterior, apply sealant on the tube steel as shown.Cut a 1 3/4" wide strip of rigid foam to length and embed in the sealant against the mull. See Figure 1.

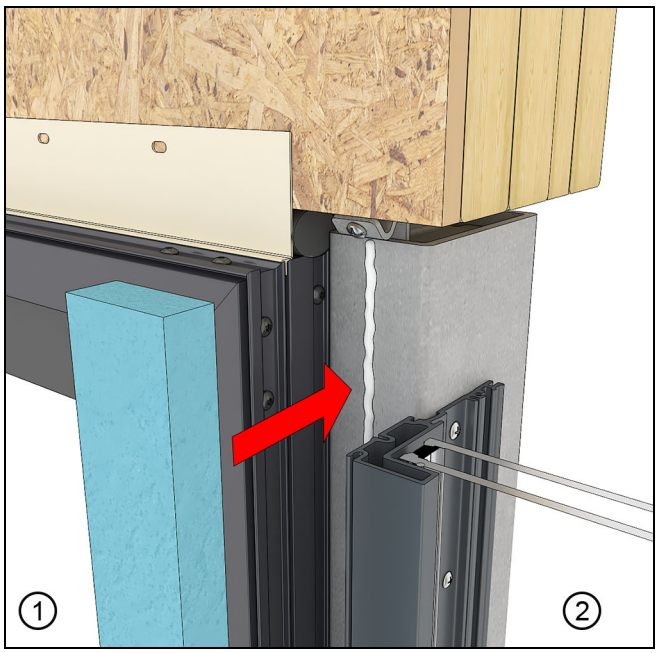

Figure 1

1	Multi-Slide
2	Direct Glaze

2. At the mull, apply strips of flashing tape over the foam block (tube steel) or sheathing (stud pocket) and onto the sides of the units by at least 1/4". Run the flashing up onto the sheathing at the head jamb by at least 6". Make a relief cut at the top of the frames. See Figure 2 for tube steel and Figure 3 for stud pockets.

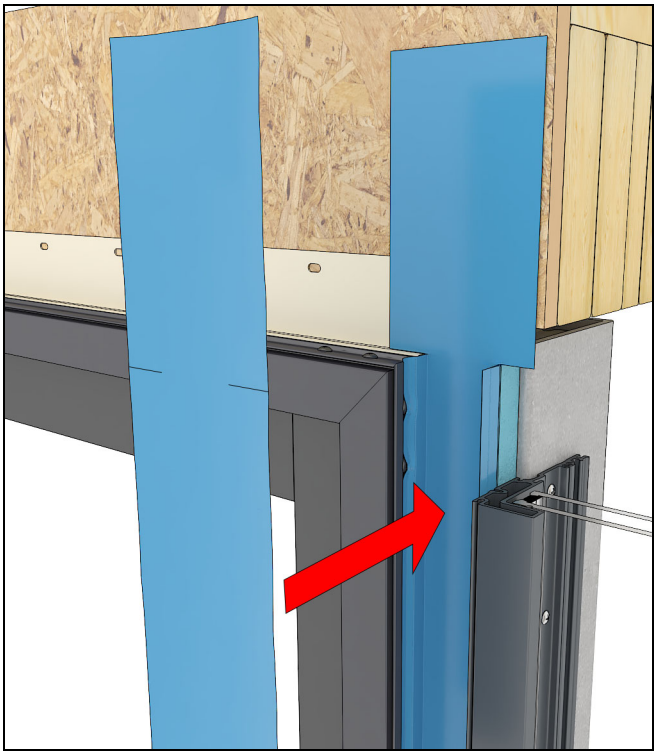

Figure 2 Flashing tube steel mulls

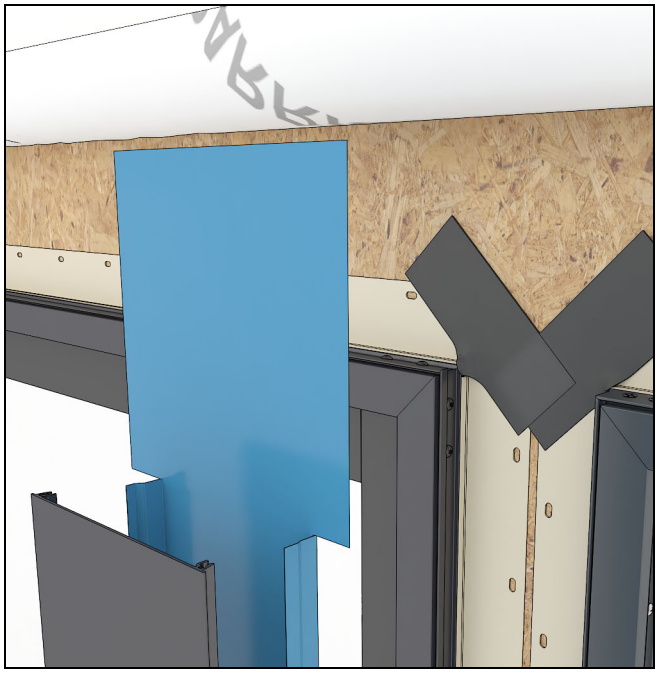

Figure 3 Flashing 4 1/2" stud pocket mulls

3. Apply frame kerf weatherstrip in the accessory kerf the full length of the mull on both frames. See Figure 4.

Figure 4

4. Multi-slide to Direct Glaze Configurations: you will need to remove approximately 1" (25) from one leg of the mull cover on the sill end of the door side. Use a grinder or oscillating tool to remove the material shown in Figure 5.

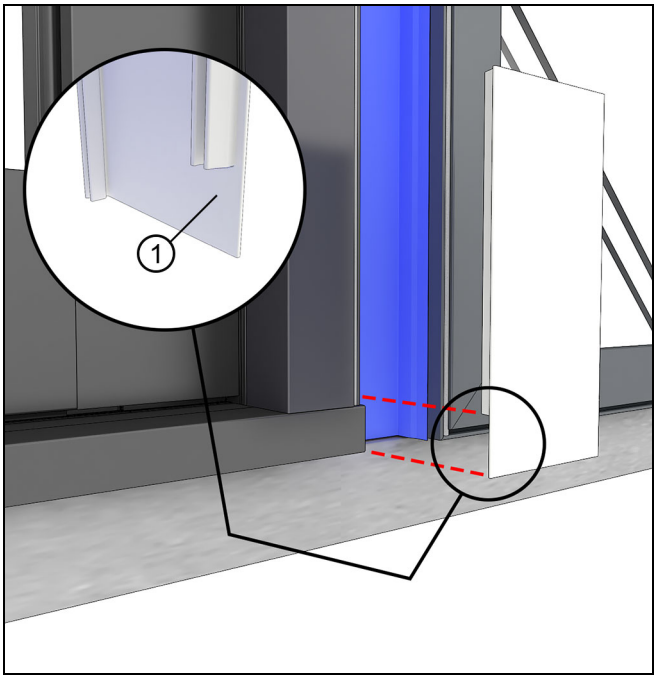

Figure 5

1	Remove material to fit around door sill

5. Apply a small bead of sealant over the end of the frame kerf weatherstrip and back to the toward the sheathing. See Figure 6.

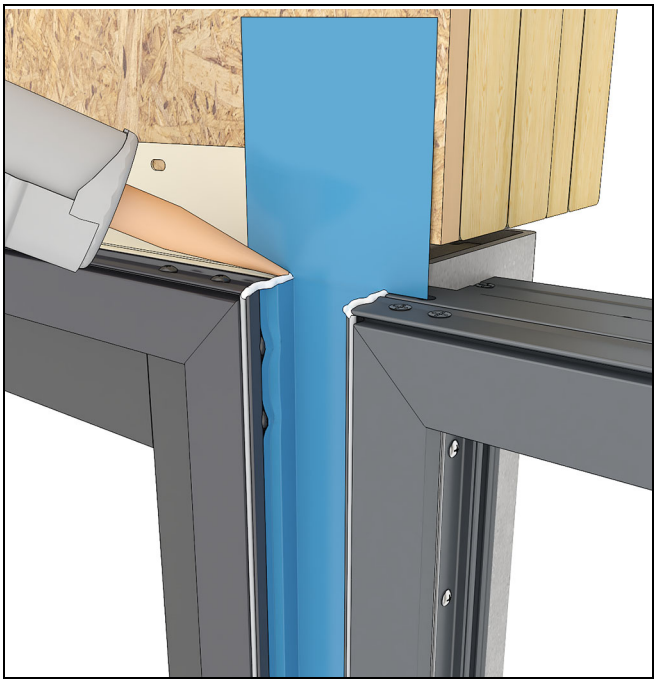

Figure 6

6. Install the 2" mull cap. Seat with a wood block and hammer. See Figure 7.

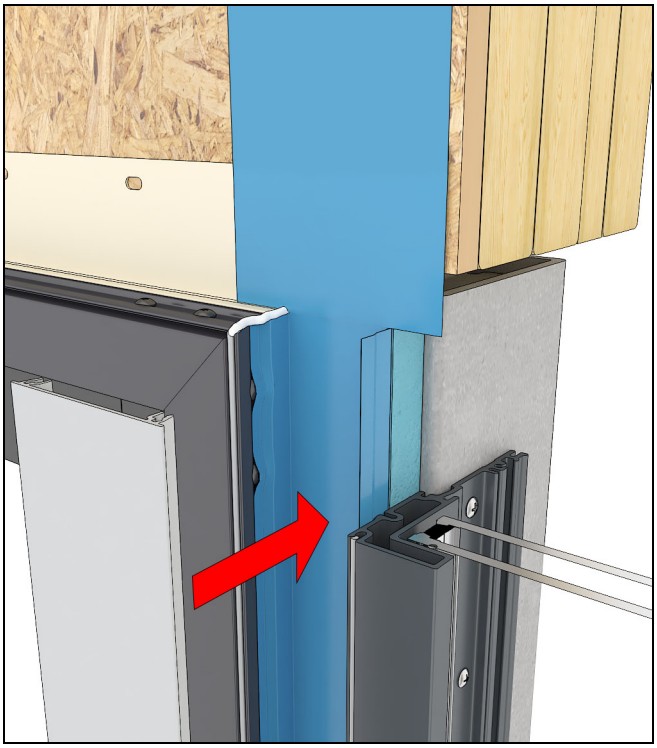

Figure 7

Flashing the Assembly

1. Be sure to integrate the entire assembly into your building's water management system.

2. Follow the door/window installation instructions on proper flashing techniques. Flash the jambs, apply sealant and a rigid head flash, then apply adhesive flashing to the head jambs. See Figure 8, Figure 9, and Figure 10.

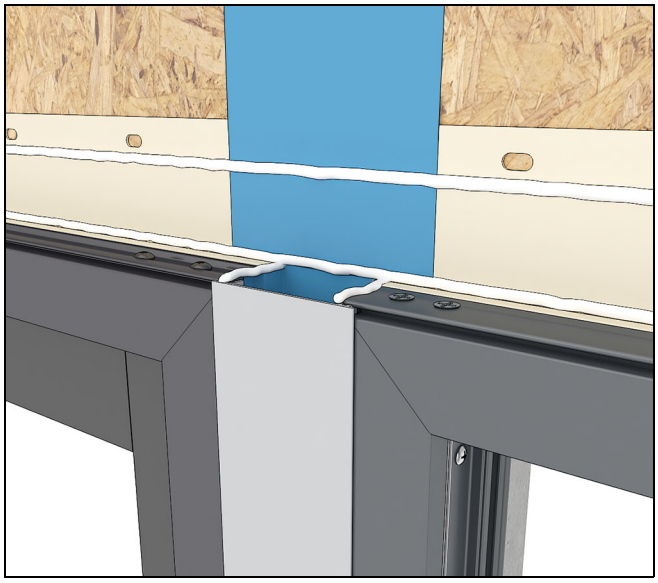

Figure 8

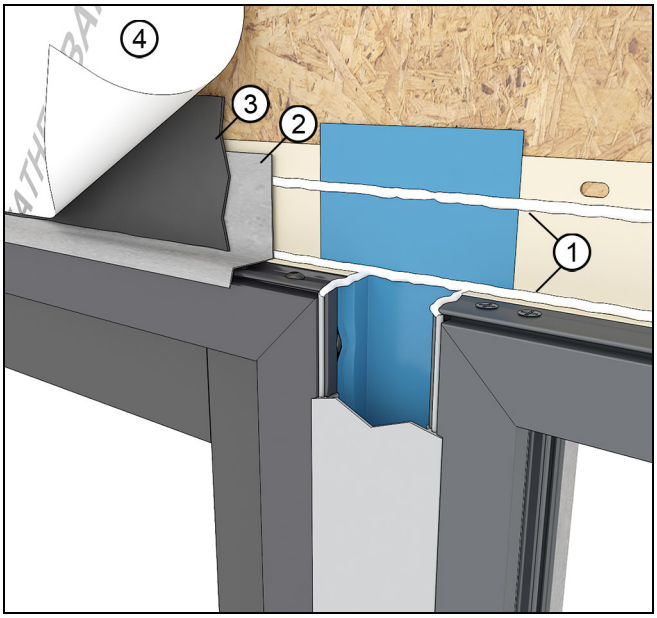

Figure 9

1	Horizontal sealant lines behind rigid head flash
2	Rigid head flash
3	Adhesive head jamb flashing
4	Weather resistive barrier

Figure 10

1	Head jamb drip
2	Head jamb flashing

3. Apply sealant beneath the rigid head flash and over the top of the mull cap. See Figure 11.

NOTE: You may alternatively do this prior to rigid head flash installation.

Figure 11

Interior Air Seal

1. When the assembly is installed and flashed, insulate between the frames and the rough opening framing as shown in the installation instructions.

2. For best water management, create a continuous interior air seal at the sides and head jamb. The seal at the mull must be a continuous, three dimensional seal on the same plane. See Figure 12.

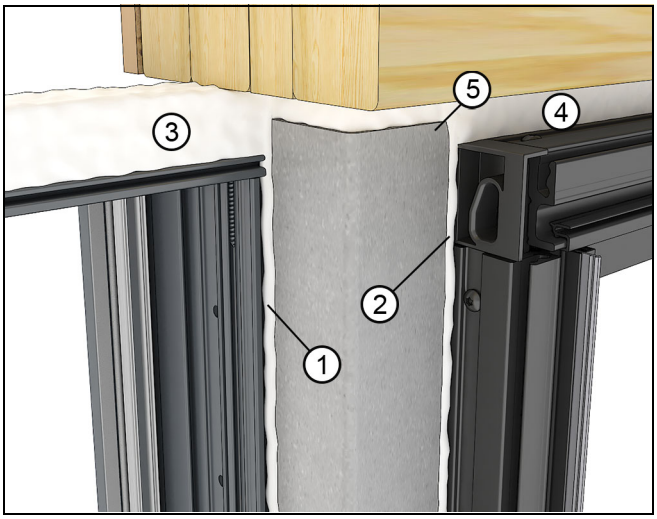

Figure 12 Direct Glaze to Multi-slide shown

1	Seal at DG to mull
2	Seal at door to mull
3	Seal at the DG head jamb to header framing
4	Seal at the door head jamb to header framing
5	Tube steel