

Prime Window Systems

Block Frame Window Installation Recommendations With Pan System



Required materials:

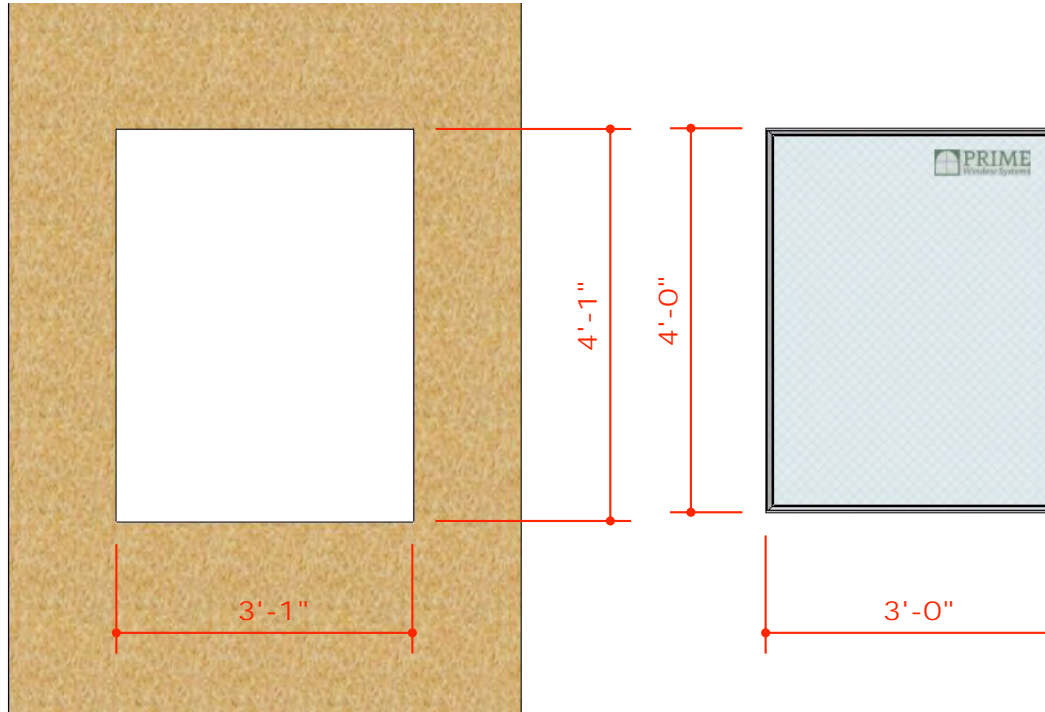
1. Flashing products
 - 12" wide FortiFlash® Butyl self adhered flashing or pre-approved equal.
 - 9" or 12" wide Moistop Next® nail on flashing -
 - If Dens Glass is used then Henry Aquatac primer should be used before the SAF is applied.
 - 3M Super 77 is an acceptable alternate for Henry Aquatac primer.
2. Flashing Corners
 - Corner Flash® GS 100A corners
3. Sealant and backer rod
 - Moistop® Sealant under flashing corners
 - Dow Corning 795 or GE Silpruf 2000 around the window frame.
 - Open cell backer rod
4. Staples and J-Roller
5. 2" - 2 1/2" (min) exterior grade pan head screws and screw gun
6. Metal head flashing

If any questions arise from these details please contact Prime Window Systems customer service at 509-248-4462
For Lightning Flash and Corner Flash products call 800-310-7673



STEP 1

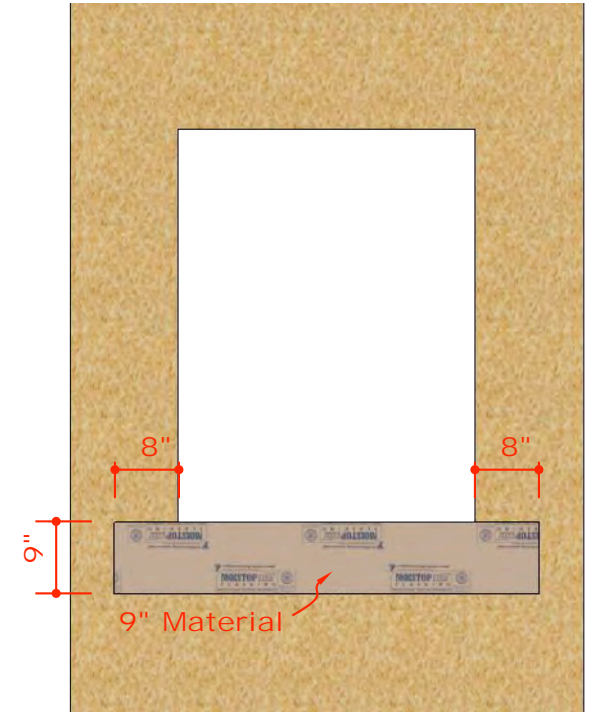
Rough Opening (RO)



RO should be 1"- 1 1/4" greater in width and height than the net frame size of the window. This will allow for a 3/8"- 9/16" gap around the window on all 4 sides. Smaller gaps should not be used. Water intrusion will result if smaller gaps are used.

STEP 2

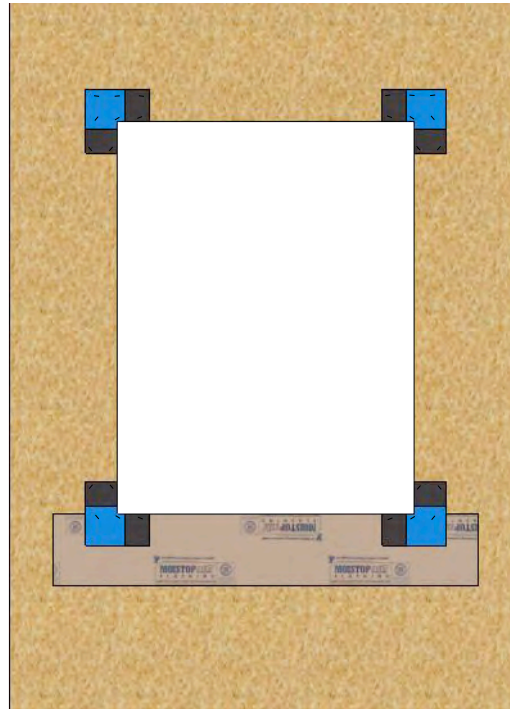
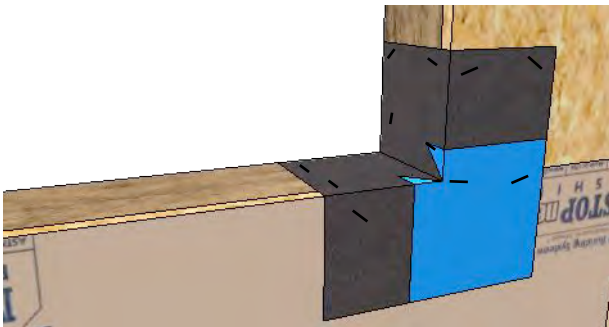
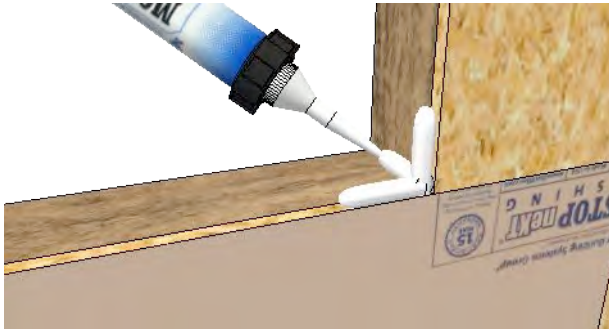
Apron



Cut the Moistop Next apron 16" wider than the R.O. Use 9" or 12" Moistop Next as your apron.

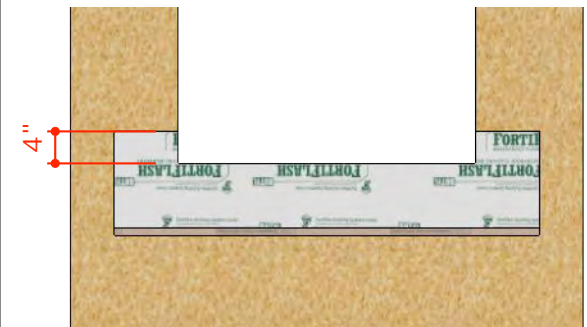
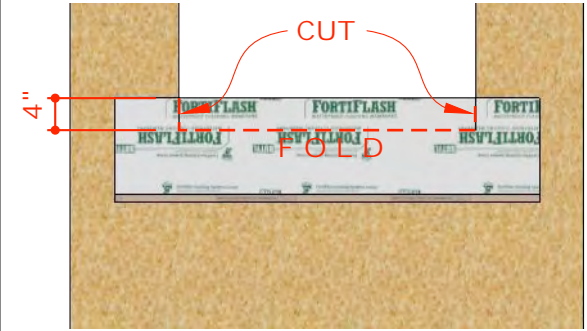
STEP 3

Flashing Corners



STEP 4

Bottom Flashing



Apply sealant in each of the 4 corners of the RO.

Press 4 pre-made Corner Flash GS 100A flashing corners into each corner (upper and lower) and affix with staples.

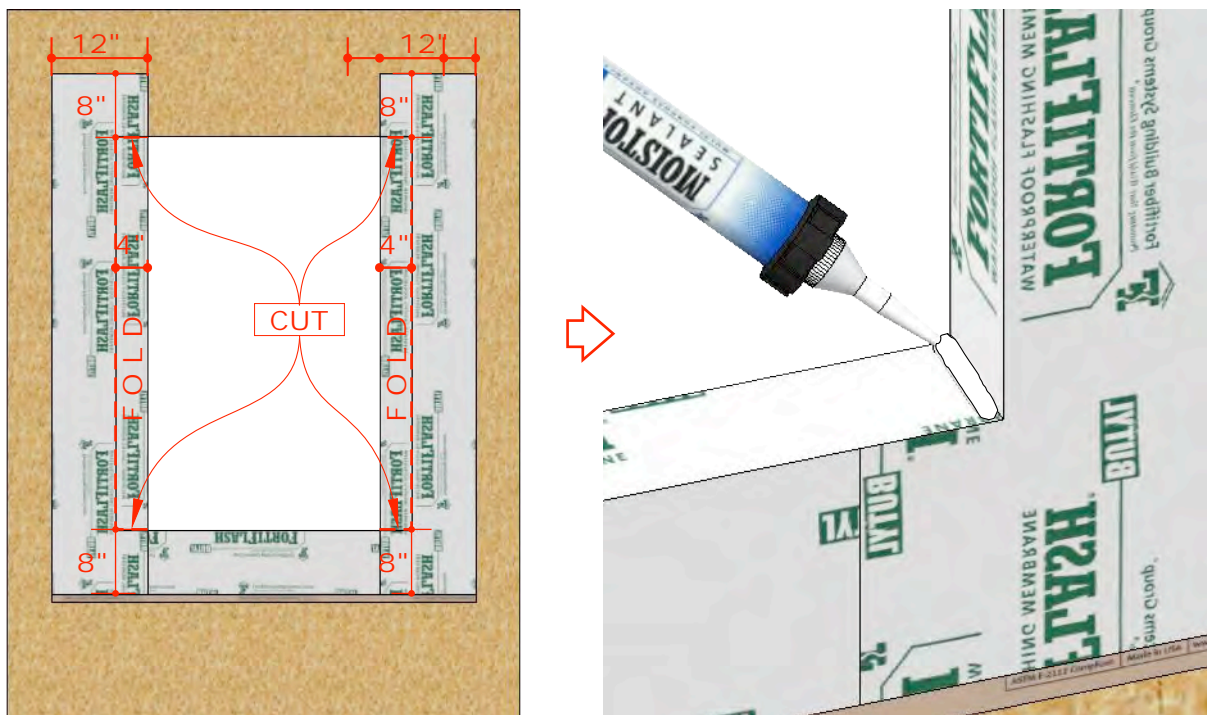
Butyl SAF flashing should be cut the same dimension as your apron. Hold the SAF material 4 inches* over the lower edge of the framing sill. Stick the SAF material to the wall on each side of the RO. Cut the SAF material vertically on each side of the RO so that it may be folded downwards and layered upon the framing sill.

Use a J-Roller and roll the SAF material across all surfaces to ensure complete adhesion and flatten any wrinkles.

*If the window frame is greater than 4" then increase the dimension the SAF comes into the RO to match the window frame.

STEP 5

Side Flashings and Sealant



Cut the 12" SAF side flashing 16" taller than the height of the RO. Hold the flashing so that it extends into the RO 4". If the window frame is greater than 4" increase the dimension the SAF comes into the RO to match the dimension of the window frame.

Affix it to the wall.

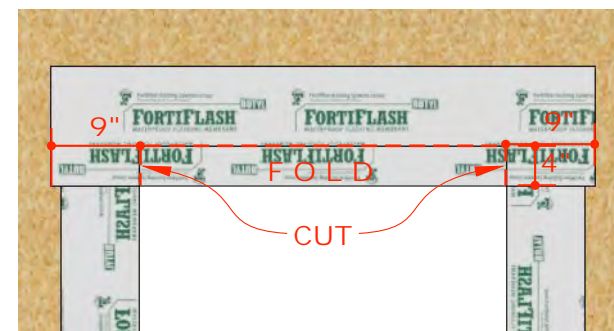
Use primers if Dens Glass or similar exterior gypsum wall is used.

Place 2 horizontal cuts in the SAF at the top and the bottom so the SAF may be folded back onto the trimmers.

J-Roll all material flat. Apply sealant in the 2 lower corners and tool into place.

STEP 6

Top Flashing



Cut the SAF top flashing 18" wider than the width of the RO. Hold the flashing so that it extends into the RO 4". Affix it to the wall. Use primers if Dens Glass or similar exterior gypsum wall is used.

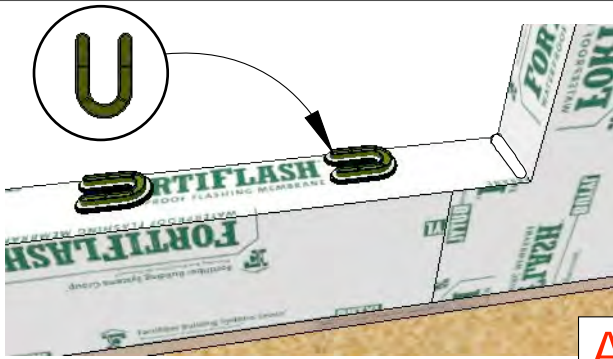
Place 2 vertical cuts in the SAF at each corner so the SAF may be folded back onto the header.

J-Roll all material flat.

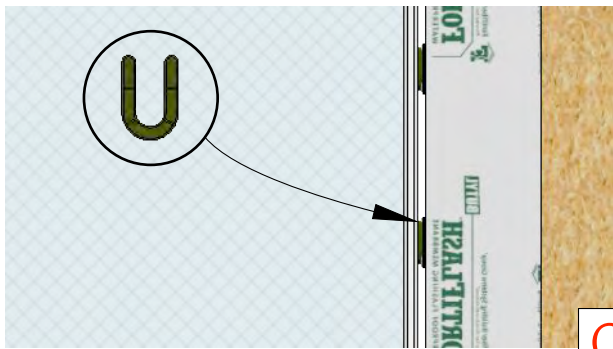
Secure in place with staples to prevent it from falling downwards in the future.

STEP 7

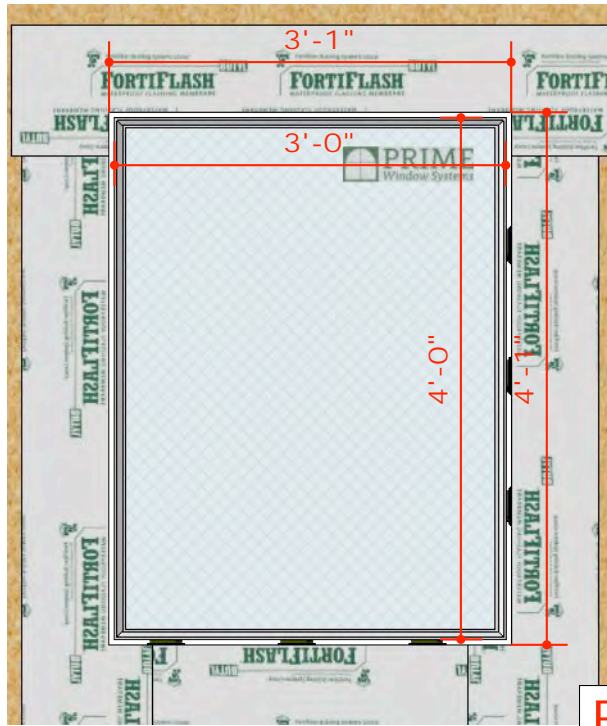
Install Window



A



C

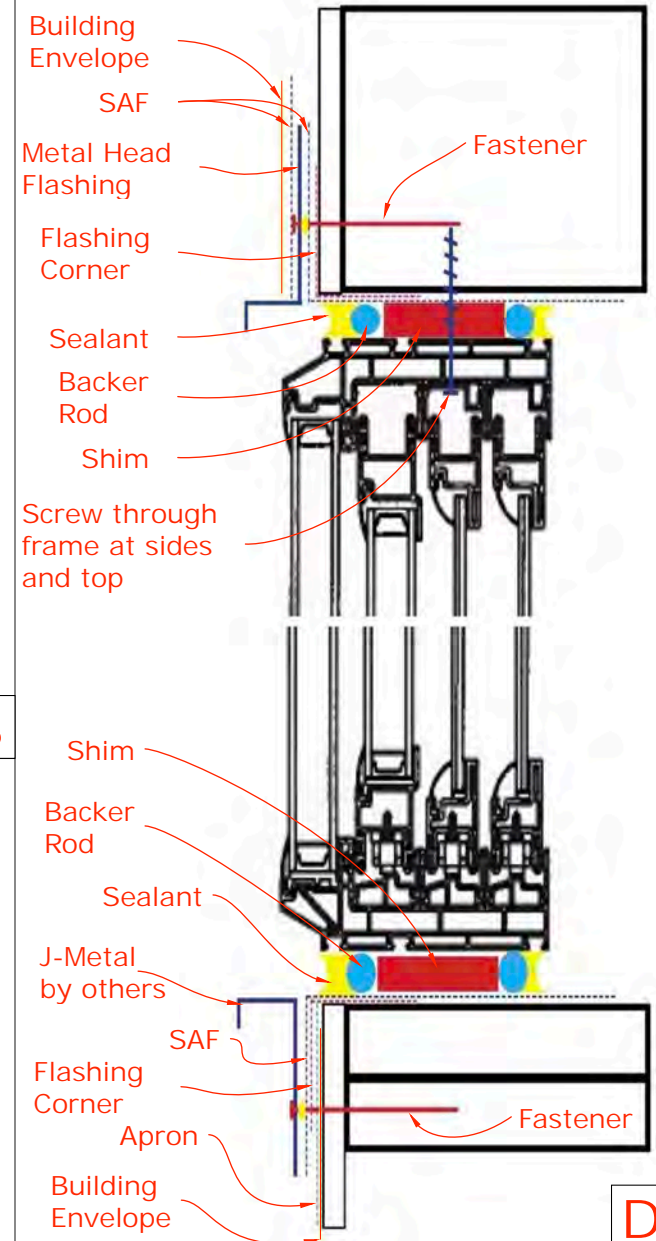


B

- A:** Set plastic horseshoe shims into sealant on the sill of the RO. Place shims every 9-12" OC. Do not screw through the membrane pan on the sill.
- B:** Rest the window upon plastic horseshoe shims with full support across the bottom. Center the window into the RO with even reveals around all 4 sides.
- C:** Set shims in place up each side of the window every 12".
- D:** The shims around the window should be positioned deep enough from the outside so that backer rod and sealant may be correctly applied. Sealant should be 1/4" deep minimum.

Wipe the SAF flashing with mineral spirits prior to application of silicone, wipe away any debris and dust.

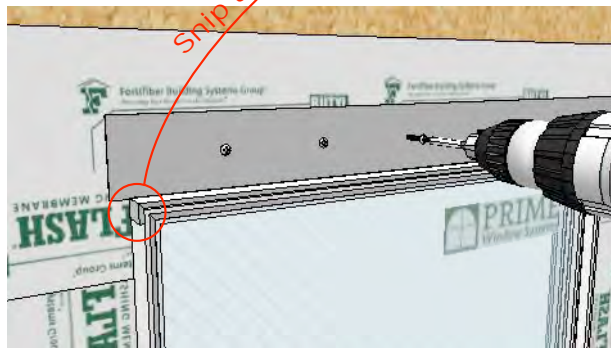
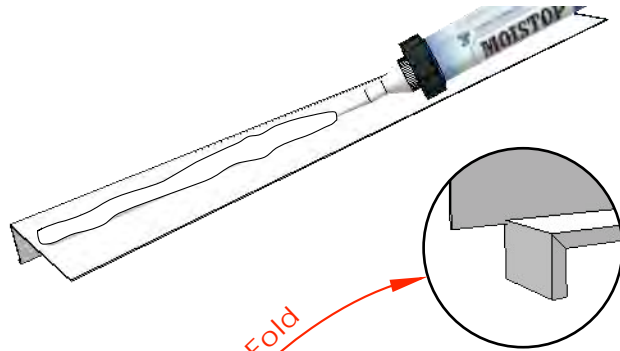
Install open cell backer rod and sealant. Tool sealant to achieve an hour glass shape, concave on the outside surface. (Dow Corning 795 or GE silpruf 2000)



D

STEP 8

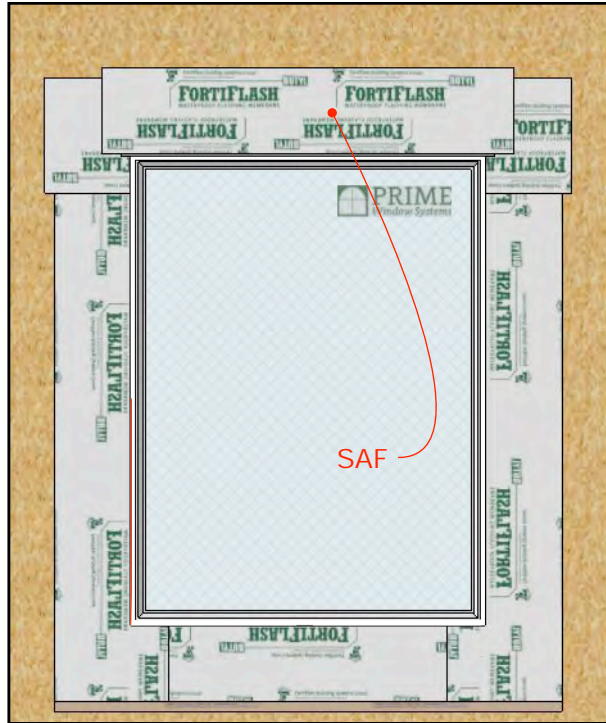
Metal Head Flashing



Cut metal head flashing 2" wider than the RO.
Wet set the metal head flashing using Moistop sealant upon the SAF top flashing.
Secure with fasteners through the wet sealant.

STEP 9

Top SAF



Layer a final course of SAF over the nailing flange of the head flashing.

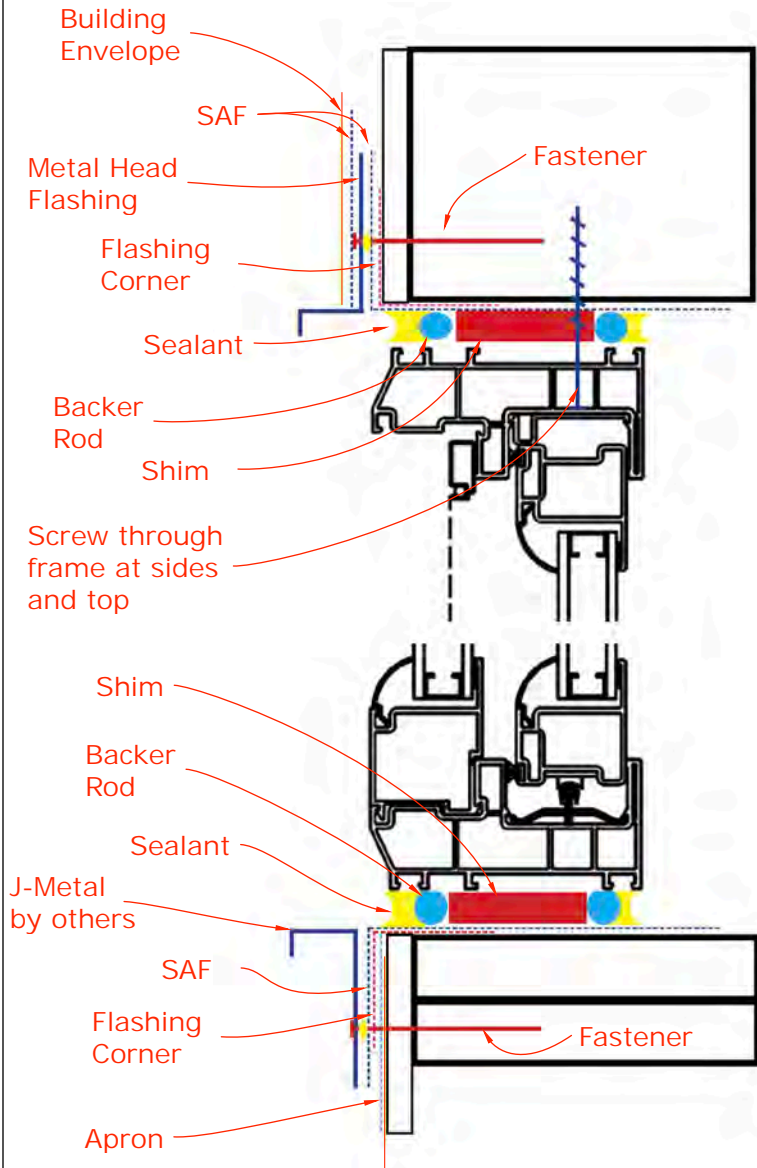
STEP 10

Interior Sealant

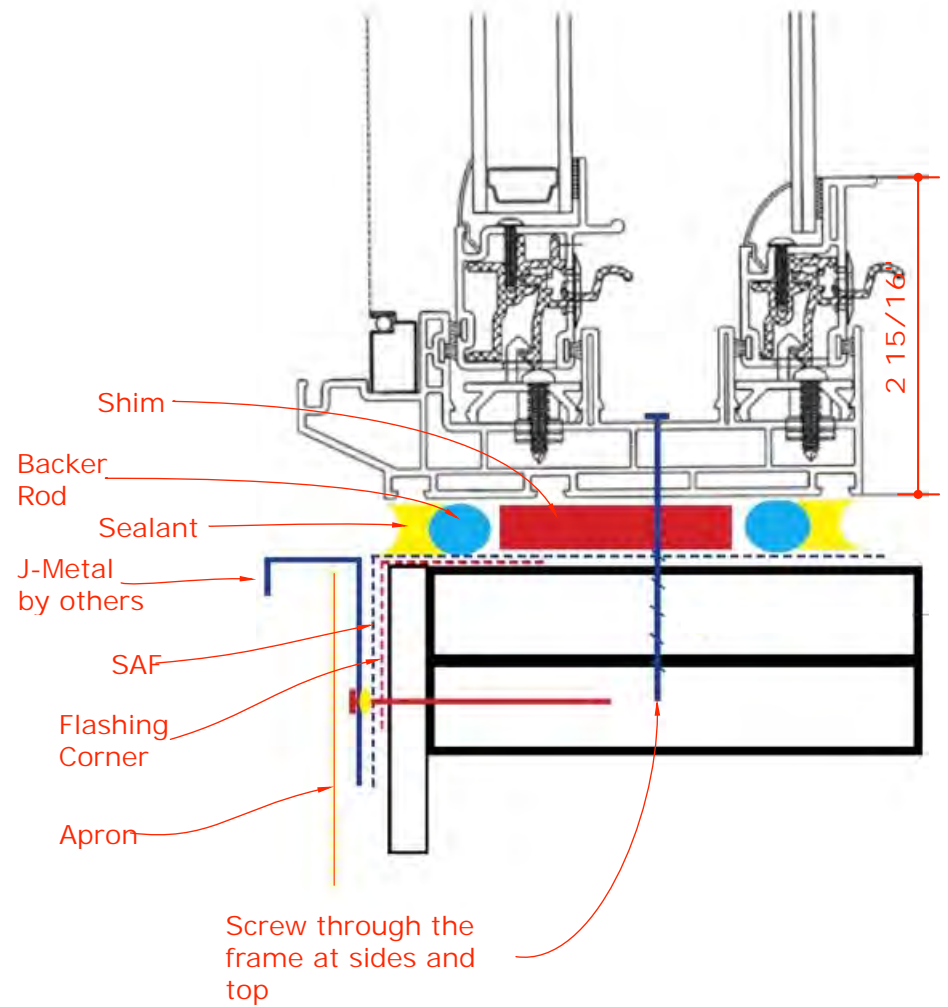


Apply backer rod and sealant around all 4 sides of the inside edge of the window frame

HEAD AND SILL DETAIL



SIDE JAMBS



Block Frame window installation.

This method is used to properly install a block frame window into a properly flashed rough opening.

Different building envelopes or details may require some modifications to this assembly. ***It is critical to quality that:***

1. The flashing materials should be effectively layered and fastened into position around the RO.
2. The window should be effectively secured and sealed to the flashing materials around the RO.

This method uses SAF (Self Adhered Flashing, AKA Peel and Stick) and Corner Flash® GS 100 A flashing corners to create membrane pans under windows.

Required materials:

- 12" SAF Butyl membrane product. (FortiFlash® Butyl or pre-approved equal).
- Corner Flash® GS 100 A flashing corners. (Call 800-310-7673 for Corner Flash® products)
- 12" Moistop **Next**® nail on flashing.
- Moistop® Sealant or pre-approved equal for use under flashing corners and under metal head flashing.
- Notes: **Regarding sealant-** Do not use a generic silicone product or any acrylic based siliconized products to install windows.
- Dow Corning 795 or GE silpruf 2000 are the preferred silicone products to use around the window frame in this installation procedure.
- Metal head flashing •Open cell backer rod •J-roller •2" - 21/2" Pan head exterior grade screws

Steps:

1. **RO should be 1"- 1 1/4" greater in width and height than the net frame size of the window.** This will allow for a 3/8"- 9/16" gap around the window on all 4 sides. Smaller gaps should not be used. Water intrusion will result if smaller gaps are used. RO should be level, square and plumb. Do not use waned lumber to create the RO.
2. **Apron on the sill of RO:** Cut the Moistop Next® nail on flashing the width of the RO +16". This will allow 8" on each side of the RO.
3. **Flashing corners x4:** Apply sealant in each of the 4 corners of the RO. Press 4 pre-made Corner Flash® GS 100A flashing corners into each corner (upper and lower) and affix with staples.
4. **Bottom flashing, Membrane Pan step 1:** Butyl SAF flashing should be cut the same dimension as your apron. Hold the SAF material 4 inches over the lower edge of the framing sill. If the window frame is wider than 4" increase the dimension the SAF comes into the opening to match the frame size. Stick the SAF material to the vertical wall on each side of the RO. The material will be higher than the framing sill by 4". Cut the SAF material vertically on each side of the RO so that it may be folded downwards and layered upon the framing sill. Use a J-Roller and roll the SAF material across all surfaces to ensure complete adhesion and flatten any wrinkles.
5. **Side flashing:** Cut the 12" SAF side flashing 16" taller than the height of the RO. Hold the flashing so that it extends into the RO 4". Affix it to the vertical wall. Use primers if Dens Glass or similar exterior gypsum wall is used. Place 2 horizontal cuts in the SAF at the top and the bottom so the SAF may be folded back onto the trimmers. J-Roll all material flat. Apply sealant into the lower corners and tool into place.
6. **Top flashing:** Cut the SAF top flashing 18" wider than the width of the RO. Hold the flashing so that it extends into the RO 4". Affix it to the vertical wall. Use primers if Dens Glass or similar exterior gypsum wall is used. Place 2 vertical cuts in the SAF at each corner so the SAF may be folded back onto the header. J-Roll all material flat. Secure the SAF in place with staples to prevent it from falling downwards in the future.
7. **Install window:** Set plastic horseshoe shims into sealant on the sill of the RO. Place shims every 9-12" OC. Do not screw through the membrane pan on the sill. Rest the window upon plastic horseshoe shims with full support across the bottom. Center the window into the RO with even reveals around all 4 sides. Set shims in place up each side of the window every 12". The shims around the window should be positioned deep enough from the outside so that the backer rod and silicone may be correctly applied. Apply screws through the side jambs and top frame at 9"-12" OC. Backer rod position should allow silicone to be 1/4" deep minimum around the window. Wipe the SAF flashing with mineral spirits prior to application of silicone. Substrate should be clean and dry. Install open cell backer rod and silicone (Dow Corning 795 or GE silpruf 2000) around the window. Tool silicone to achieve an hour glass shape, concave on the outside surface.
8. **Install metal head flashing.** Wet set the metal head flashing using Moistop sealant upon the SAF top flashing. Secure with fasteners through the wet sealant. Layer a final course of SAF over the nailing flange of the head flashing.
9. **Install interior sealant:** Apply backer rod and sealant around all 4 sides of the inside edge of the window frame.