Prime Window Systems
Sliding Door with Nail Fin Installation Recommendations
AAMA Method B With Pan System

PRIME
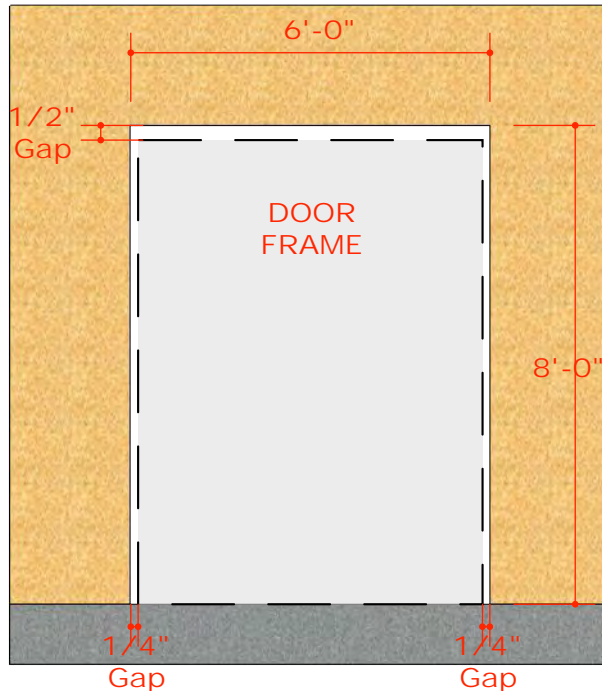Window Systems

Required materials:

1. Flashing products
- 12″ wide FortiFlash® Butyl self adhered flashing or pre-approved equal.
- 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. Moistop® Sealant
3. Staples and stapler
4. J-Roller
5. 2″ (min) exterior grade screws for jambs
6. 1 5/8″ (min) exterior grade screws for nail fins
7. Screw gun
8. Metal head flashing
9. Pan system- 2 alternates:
- Metal Pan custom fabricated
- Ready Sill® pan system by TLS Laboratories

PERFORMANCE TESTED
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STEP 1
Rough Opening (RO)

6'-0"

1/2" Gap

DOOR FRAME

8'-0"

1/4" Gap

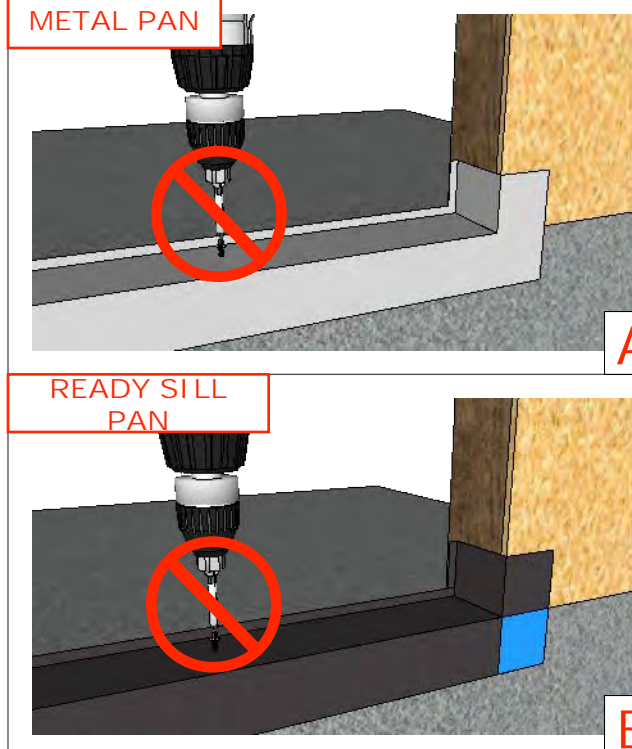1/4" Gap

RO should be 1″ greater in width and 1/2″ greater in height than the net frame size of the door. This will allow for a 1/2″ gap on both sides and 1/2″ at the top.
RO should be level, square and plumb. Do not use waned lumber to create the RO.

STEP 2
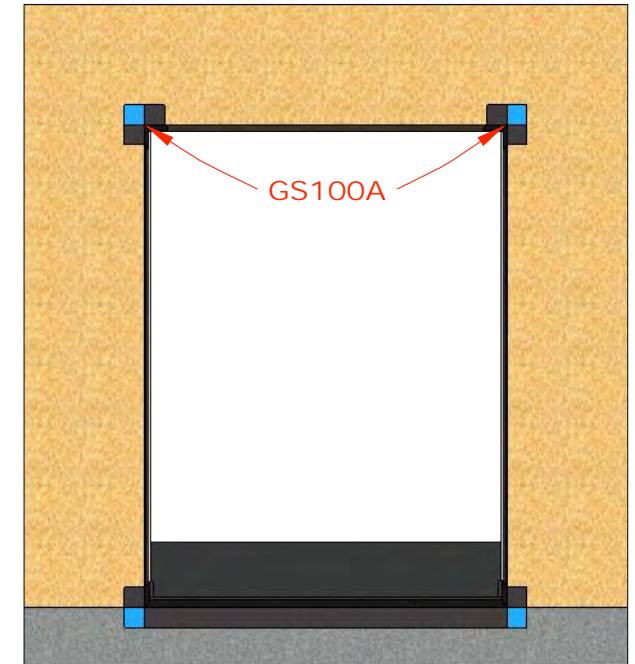## Install Pan System

METAL PAN

A

READY SILL PAN

B

A) If using a metal pan ensure the inside vertical lip is positioned properly so that it will be 1/8″ inside of the door frame. Do not damage the inside vertical lip of the pan. The pan needs to fit the RO correctly using soldered seams. Set the pan into sealant on your subfloor or concrete foundation.
Do not penetrate the lowerhorizontal areas of the pan with fasteners.
B) If using a Ready Sill® Pan- Install the pan following the directions in the box. Position the pan correctly in the RO and do not penetrate the lower horizontal areas of the pan with fasteners.
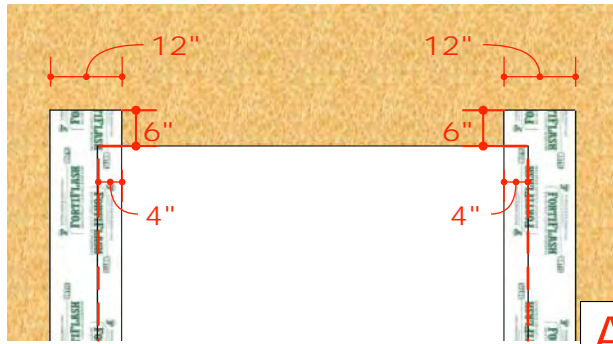
STEP 3
Install GS100 A Pieces

GS100A

Place sealant on the wall then press the GS 100 A pieces into the wet sealant. Apply staples to hold the corners in place until they are counter flashed with additional SAF. See drawing above for proper placement of both GS 100 A pieces.
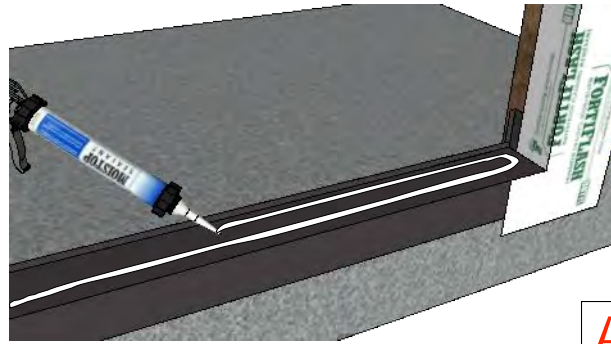
STEP 4
Apply Side Flashing

A

B

STEP 5
Install Door

A

B

C

A) Cut the 12″ SAF side flashing 12″ taller than the height of the RO.
Hold the SAF so that it overlaps the RO by 4″ on both sides.
Affix it to the wall overlapping the pan at the lower corners.
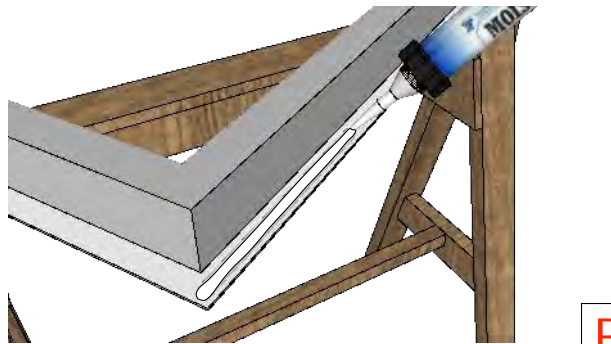Use primers if Dens Glass or similar exterior gypsum wall is used.

B) Place 4 horizontal cuts (2 on each side) in the flashing at the corners so that the SAF may be folded back onto the side trimmers.
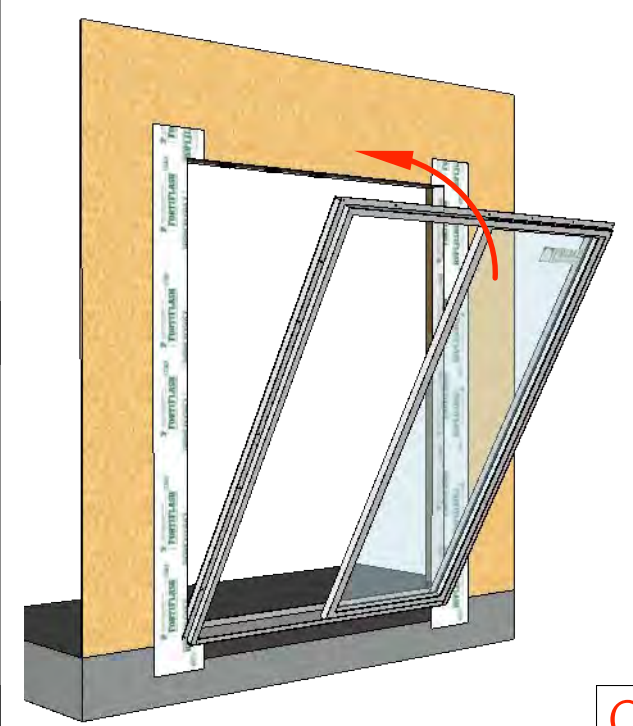J-Roll all material flat.

First remove the operable door and set aside.

A) Apply 1/2″ tubular shaped bead of sealant in a rectangular shape around the pan system in preparation for the door.

B) Apply a 3/8″- 1/2″ bead of sealant behind the nailing flanges of the door. Position the sealant to achieve maximum compression with the wall when the door is positioned in the RO.

C) Set the door on the sealant in RO and check for level square and plumb.
Fasten the door through the nailing flanges using 1 5/8″ (Min) exterior grade pan head screws every 9-12″ O/C.
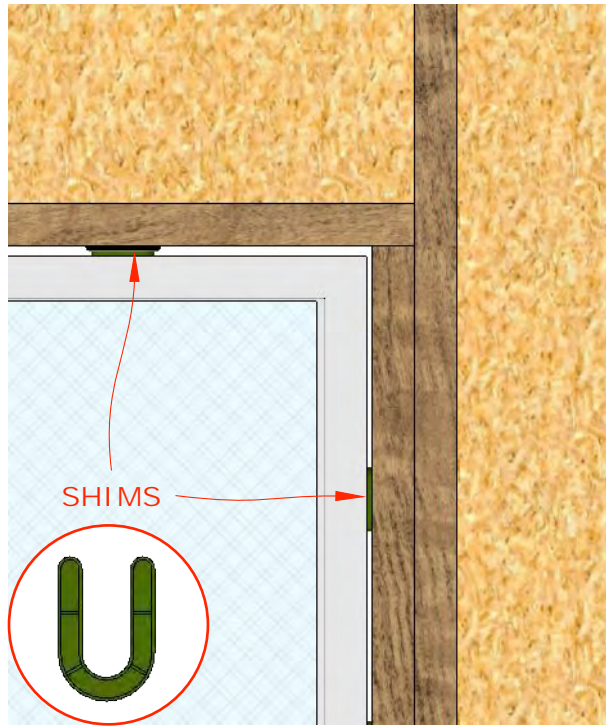
STEP 6

Buttered Sealant

Apply a 1/2" cap bead of sealant on top the nail fin and butter it flat. Cover all fasteners and any small cracks in the nail fin. Sealant should extend from the frame of the window to 1" beyond the nail fin on to the side flashing.

STEP 7

Install Shims

SHIMS

On the sides and top of the door as required or every 12" OC.
Apply screws through the side jambs after verifying the door is within cross sight, plumb and square.
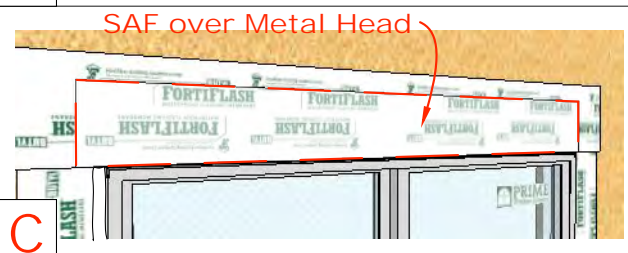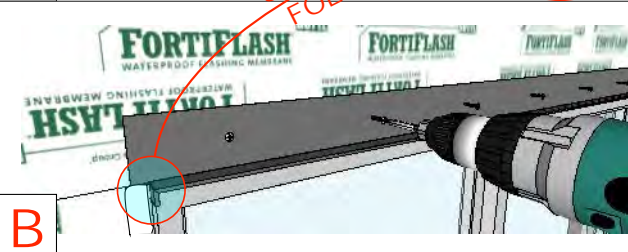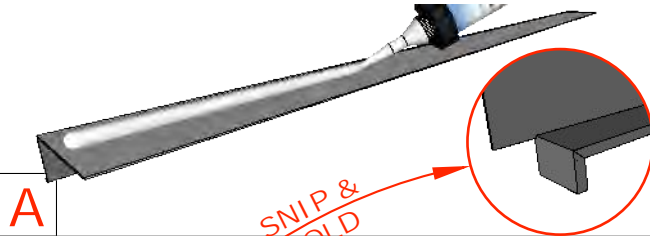
STEP 8

Top Flashing

Cut the SAF top flashing 18" wider than the width of the RO. The top flashing will extend 1" beyond each side of the side flashing.
Use primers if Dens Glass or similar exterior gypsum wall is used.
J-Roll all material flat.
Secure top edge of the SAF in place with staples to prevent it from falling downwards in the future.

A

B

SNIP & FOLD

SAF over Metal Head

C

A) Wet set the metal head flashing using Moistop sealant upon the SAF over the door.

B) Secure with fasteners through the wet sealant.

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

Metal Head Flashing

Fasteners

PAN System

Sealant

Sill Condition in Recess Concrete for ADA

1/2" max per ADA

Sealant

Pan

PRIME
Window Systems

Door with nail flange method B

Required materials:

- 12″ SAF Butyl membrane product. (FortiFlash® Butyl or pre-approved equal).
- Pan system. Use a metal pan or a Ready Sill pan system. (Call 800-310-7673 for Ready Sill® products.)
- Metal head flashing.
- Moistop® Sealant or pre-approved equal.
- J-roller
- 1 5/8″ Pan head exterior grade screws.
- Screw Gun
- Level

Steps:

1. **RO should be 1″ greater in width and height than the net frame size of the window.** This will allow for a 1/2″ gap on all both sides and 1/2″ at the top. RO should be level, square, plumb and within cross sight. Do not use waned lumber to create the RO.

2. **If using a metal pan** ensure the inside vertical lip is positioned properly so that it will be 1/8″ inside of the door frame. Do not damage the inside vertical lip of the pan. The pan needs to fit the RO correctly using soldered seams. Set the pan into sealant on your subfloor or concrete foundation. Do not penetrate the lower horizontal areas of the pan with fasteners. **If using a Ready Sill® Pan-** Install the pan following the directions in the box. Position the pan correctly in the RO and do not penetrate the lower horizontal areas of the pan with fasteners.

3. **Install GS 100 A corners** on the upper 2 corners of the RO. 1st apply sealant on the wall then press the corners into the wet sealant. Apply staples to hold corners in place until they are counter flashed with SAF.

4. **Side flashing:** Cut the 12″ SAF side flashing 12″ taller than the height of the RO. Affix it to the vertical wall overlapping the pan at the lower corners. Use primers if Dens Glass or similar exterior gypsum wall is used. J-Roll all material flat. Hold Side flashing 4″ into the RO and place cuts at the upper and lower corners so that the SAF may be folded into the RO. J Roll SAF flat. See drawings.

5. **Install door:** First remove the operable door and safely set it aside. Apply 1/2″ tubular shaped bead of sealant in a rectangular shape around the pan system in preparation for the door. Apply a 3/8″- 1/2″ bead of sealant behind the nailing flanges of the door, position the sealant to achieve maximum compression with the wall when the door in positioned in the RO. Set the door on the sealant in RO and check for level, square, cross sight and plumb. Fasten the door through the nailing flanges using 1 5/8″ (Min) exterior grade pan head screws every 9-12″ OC. Install operable door and ensure smooth operation.

6. **Buttered Sealant-** Apply a 1/2″ cap bead of sealant on top of the nail fin and butter it flat. Sealant should extend from the frame of the door to 1″ away from the edge of the nail fin. All fasteners and any small cracks should be completely covered with sealant.

7. **Install shims** on the sides and top of the door as required or every 12″ OC. Apply screws through the side jambs after verifying the door is plumb and square.

8. **Top flashing:** Cut the SAF top flashing 18″ wider than the width of the RO. The top flashing will extend 1″ beyond each side of the side flashing. Use primers if Dens Glass or similar exterior gypsum wall is used. J-Roll all material flat. Secure top edge of the SAF in place with staples to prevent it from falling downwards in the future.
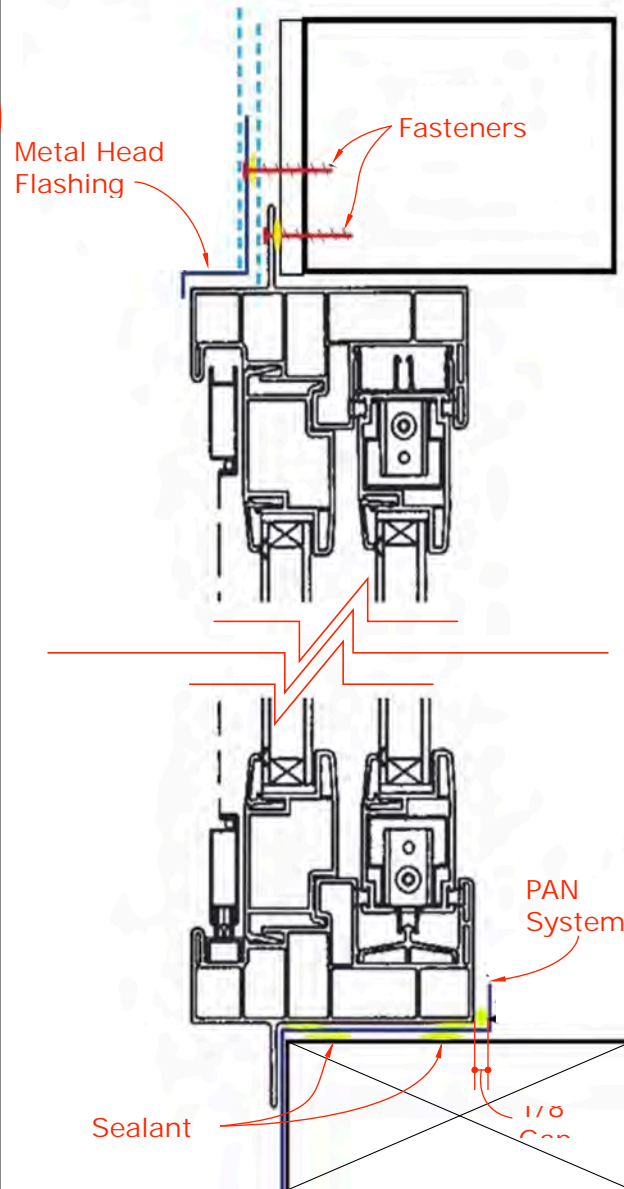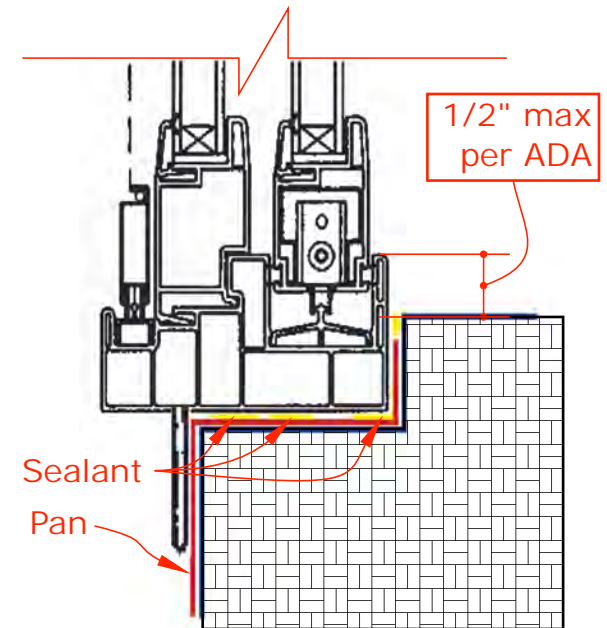
9. **Install metal head flashing.** Wet set the metal head flashing using Moistop sealant upon the SAF over the window. Secure with fasteners through the wet sealant. Layer a final course of SAF over the nailing flange of the head flashing. Snip and fold ends of the metal head flashing downwards as shown in the drawings.

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