

SITE PREPARATION

Before beginning exterior door installation be sure that the weather resistive barrier (WRB) has been installed according to WRB manufacturer's instructions.

Tape and repair any tears or holes in WRB.

Ensure that rough opening meets the required dimensions for door size as per door manufacturer's instructions.

Assemble necessary materials for installation

Osi Quad Max Sealant or Equal

Jamsill Sill Pan or Equal

Window & Door Spray Foam

Aluminum Drip Cap

Window and Door Tape

Door Shims

Rust Proof Screws

Step 1

Prepare Rough Opening

- If a weather resistive barrier (WRB) is present, cut WRB across sill and 1 1/2" to 2" past jambs. (FIG 1)
- Cut WRB at head across top of framing and diagonally outward past jamb 6" to create flap. Fold flap up and temporarily tape above rough opening (RO) head. (FIG 1b)
- Cut and remove the WRB 1 1/2" to 2" past jambs to allow for direct sealing of brick mold to allow for proper integration of WRB to the opening using flashing tape.

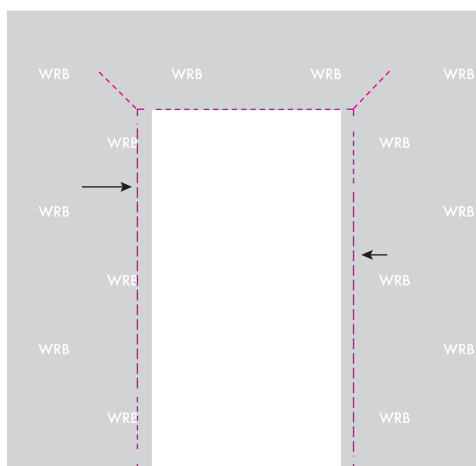


FIG 1 – Rough Opening

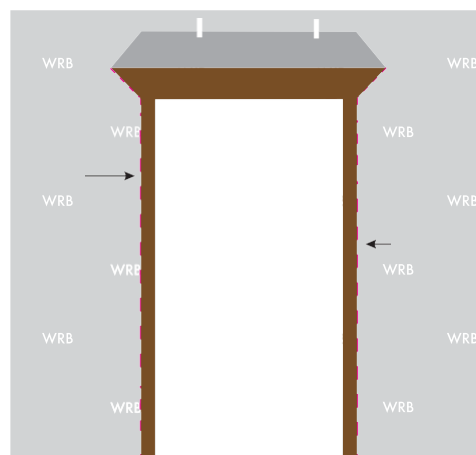


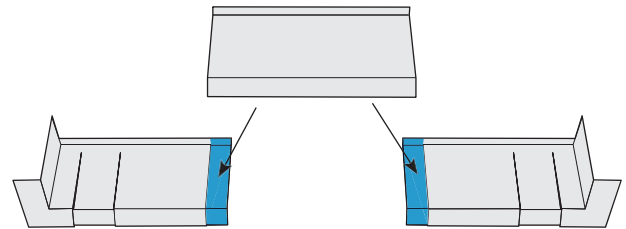
FIG 1b – Rough Opening

Step 2

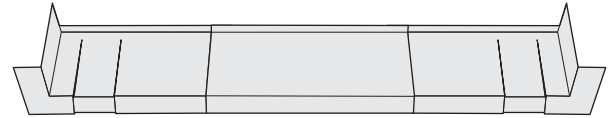
Install Jamsill Guard® Sill Pan or Equal

Measure and dry fit sill pan before assembly.

- Place left and right sill pan corners tight against framing.
- Measure center section and cut if necessary to maintain 2" overlap onto recessed pan corners. Center section must fit within recessed area of corners.
- Apply DAP® Rapid Fuse or PVC cement to the recessed areas of the corner pieces and where they overlap with the center section.
- Assemble pieces and hold or clamp together to ensure a complete bond. (Fig. 2)
- Remove pan and apply a 3/8" bead of Sealant where the pan will contact the framing and sill. (Fig. 2b)
- Install assembled sill pan into sealant bed, plumb and level across entire RO.
- Apply Window & Door Tape to jamb RO integrating the WRB with the RO and sill pan. (Fig 2c)
- Apply a 3/8" bead of Sealant along glue joints and along interior back dam to prevent air infiltration. (FIG 2d)



Jamsill Sill Pan Or Equal
Apply Rapid Fuse or PVC cement to recessed



Sill Pan Assembled FIG 2

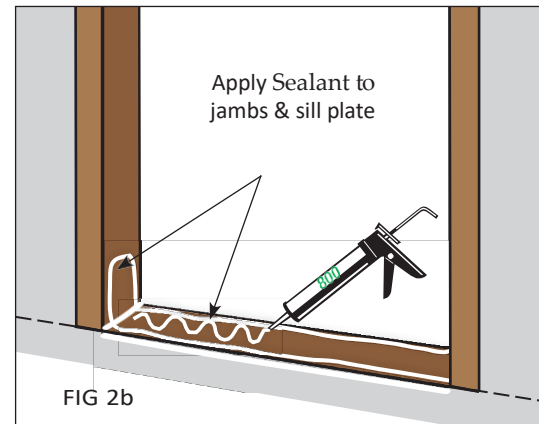


FIG 2b

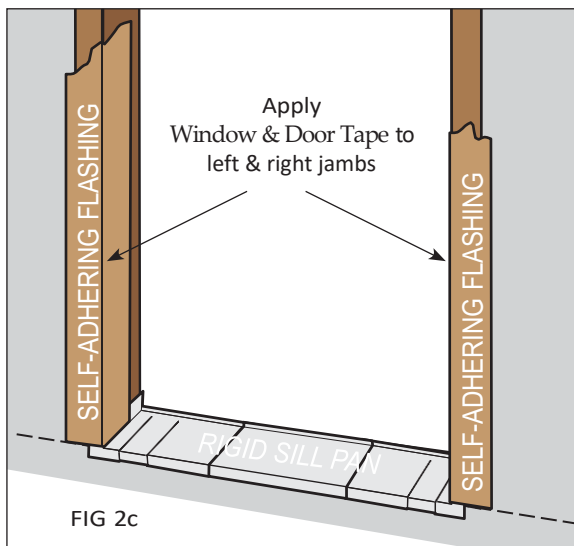


FIG 2c

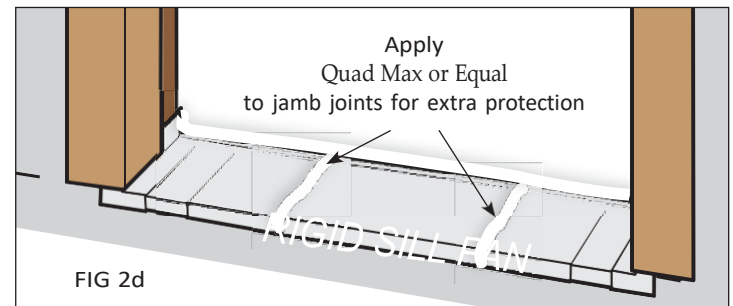
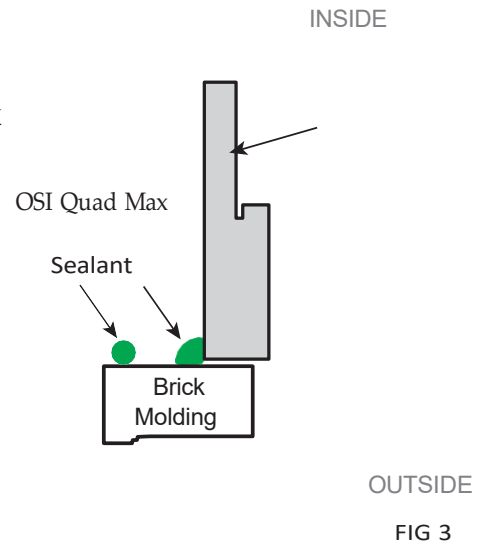


FIG 2d

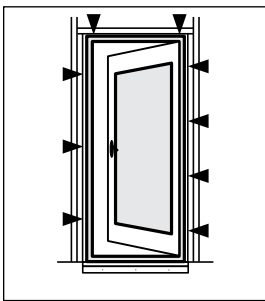
Step 3

Install Door Into Rough Opening

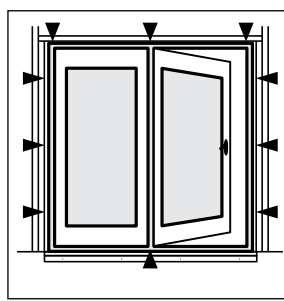
- Before setting door into the RO, apply 1/4" to 3/8" bead of sealant to the back side of the perimeter brick molding to seal brick molding to door frame. Be sure to seal the miter joint at jamb and head. Apply a second 1/4" to 3/8" bead of DYNAFLEX® 800 to back of brick molding as shown in FIG 3.
- From outside, set threshold of door unit into the opening and tilt into place by pressing jamb and head brick molding to exterior wall sheathing.
- From the inside, place a solid shim directly behind each hinge and shim on the opposite side of the door. Be sure to keep door unit level, square and true.
- Shim and secure door into rough opening per door manufacturer's instructions. Adjust for alignment and smooth operation as required. Open and close the door to assure the latch lines up and it closes on the jamb evenly. Also make sure all reveals are even between the door jamb and door slab.



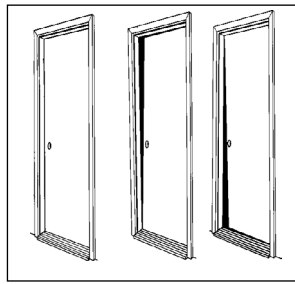
Single Door Shim Location



Double Door Shim Location



Door Reveals



Note: For double doors refer to the installation packet sent with the door unit. Drill holes in the sill and head jamb and install hardware.

- After the door unit is hung plumb, square, true and completely fastened to the opening, Check the fit between the threshold and Door sweep. There should be slight resistance between the sill cap and door sweep. Adjust accordingly and make sure not to have too much pressure. Excess pressure will cause premature wear of the door sweep.
- Install sealant between the sill cap, sill and jamb.
- Install Corner pads above the sill cap and tucked behind the weatherstripping.

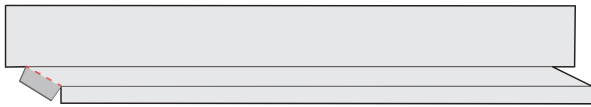


Step 4

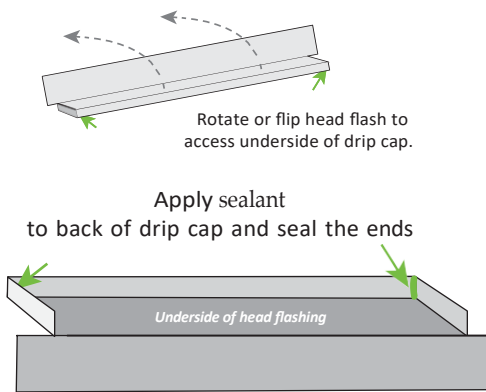
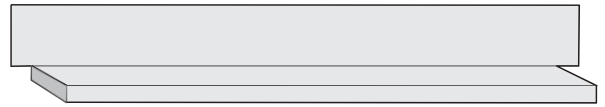
Install Aluminum Head Flashing (Drip Cap)

- Measure the exterior width of the door, including any brickmold and add 1", cut the head flashing (drip cap) to that measurement.
- Make two horizontal 1/2" cuts along the bend of the up turned and down turned legs. (FIG 4a)
- Bend the horizontal piece down to create an end cap. (FIG 4b)
- Cut away the remaining piece of the down turned leg.
- Flip head flash over and apply 3/8" bead of sealant to back of head flashing (drip cap) and seal end cap joints. (FIG 4c)
- Install above door. If WRB is present, be sure to install head flash under WRB in a weather board fashion. (FIG 4d)
- Apply window and door tape to head flashing.

FIG 4a



FIGb



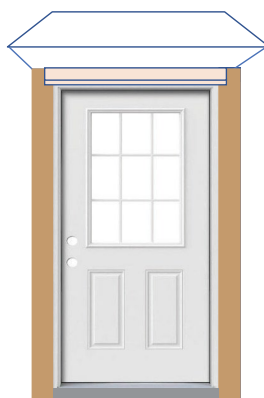
Rotate or flip head flash to access underside of drip cap.

Apply sealant to back of drip cap and seal the ends

Underside of head flashing

FIG 4c

Apply sealant to back of the head flashing drip cap and seal the ends of drip cap



Install Head Flashing



Install Window & Door Tape over Head Flashing



FIG 4d – Install Head Flashing above door

Step 5

Seal Against Air and Water Infiltration

- To Prevent air and water infiltration apply sealant between the sill pan and the back of the jamb/sill FIG 5
- Seal between the door frame and rough opening with window and door spray foam FIG 6

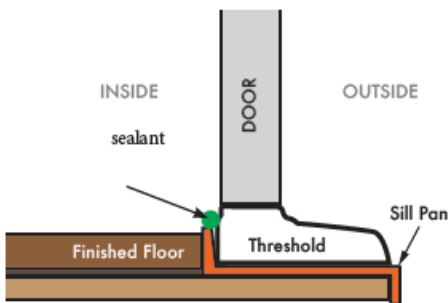


FIG 5

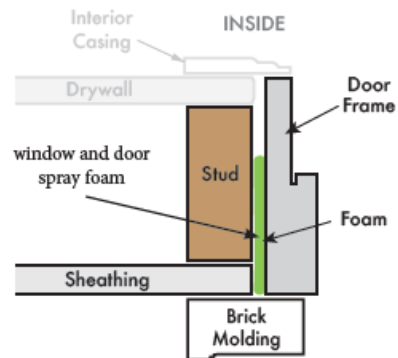


FIG 6

Step 6

Finishing your new door unit

- Non prefinished steel and fiberglass door slabs must be finished with within 30 days
- Non prefinished door jambs must be finished with in 30 days
- Door and jamb surfaces must be free of dust, dirt and grease before applying A high-quality water based exterior semi-gloss paint.
- Clean with mild detergent and water rinse after washing and allow to completely dry. Wipe the entire surface with a lint free cloth moistened with mineral spirits.
- Staining Textured fiberglass door jambs and slabs is recommended with a Gel Stain such as ZAR Stain Or Minwax Gel Stain. Clear coat should be a high-Grade UV stabilized polyurethane Designed for exterior use.
- All painted or stained surfaces must be maintained in order to maintain warranty

***FAILURE TO FOLLOW THESE INSTRUCTIONS WILL VOID THE WARRANTY**