

## Mira Sliding Door

### Installation Instructions For Mira Aluminum Clad Doors

**IMPORTANT! READ ALL INSTRUCTIONS  
BEFORE BEGINNING INSTALLATION.**



#### Recommended Tools & Accessories

- Tape Measure
- Level (3' or longer)
- Power Screwdriver
- Load bearing Shims
- Sealant
- Flashing (recommended)

#### Approved Fasteners

All fasteners must be corrosion-resistant

##### For Concrete Sill Subfloor

- #8x2 Masonry screws

##### For the Door Nailfin...

###### Wood Framed Construction:

- #8 Pan Head Wood Screw which penetrates framing member at least 1½", or
- Nail with 3/8" min head diameter, which penetrates framing member at least 2"

###### Steel Construction:

#8 Sheet Metal Screw which penetrates the framing member at least 3 threads.

##### For the Mull Gusset Plates...

###### Wood Framed Construction:

#8 Pan Head Wood screws, which penetrate the framing member at least 2"

###### Steel Construction:

#8 Sheet Metal Screw which penetrates the framing member at least 3 threads.

**This door unit is heavy...** provide enough help to set the unit in place. Also, if the door unit is being placed where access is not easy, you will need scaffolding or some other platform to get the unit into the opening.

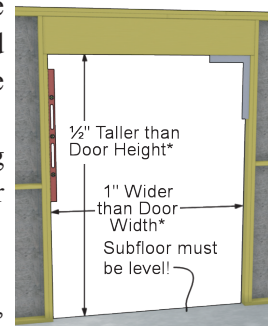
Check the door thoroughly for possible transit damage. Follow your local building codes, customs and building practices for additional installation requirements. The manufacturer warrants this product only when installed according to these instructions. These instructions are general in nature, and a design or building professional may be consulted. **Ply Gem Windows will accept no responsibility for air or water leakage above, under, or around the door unit.**

#### Before Door Installation

**(1.A) (Required)** The Rough Opening should be level, plumb, and square, including the subfloor. Dimensionally, it should be ½" taller and 1" wider than the frame dimension of the door, excluding the nailing fins (See image at right). Note that each horizontal mull adds 1" to the vertical dimension, and each vertical mull adds 1" to the horizontal dimension of the combination.

**\* For Florida installation:** Refer to the Florida Building Code for Florida-specific installation requirements that may differ from what is shown here.

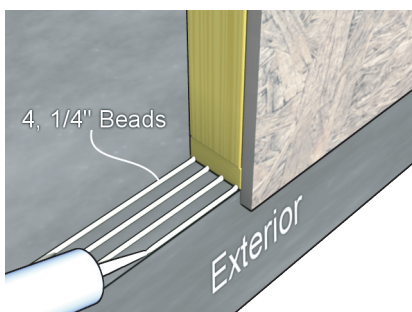
**(1.B) (Recommended)** If a weather resistant barrier is used, follow the barrier manufacturer's recommendations for treatment of window and door openings.



### Installation

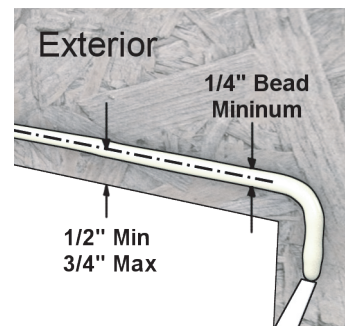
**For a door that has a transom stacked over it, please begin at the "For Doors with Mullled Transom" instructions at the bottom of Page 3.**

**(1.C) (Required)** Apply four (4) evenly-spaced continuous beads of sealant (at least ¼" diameter) to the sill sub-floor as shown, completely spanning the opening.

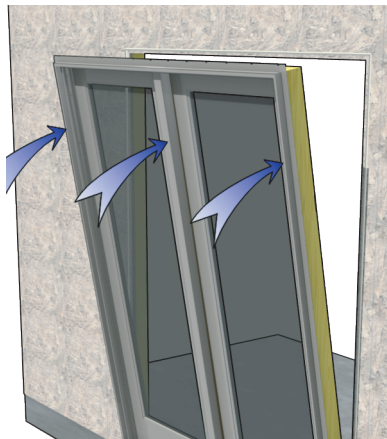


Sill is a representation only. Refer to local building codes for actual opening requirements.

**(1.D) (Required)** Apply a generous continuous bead of sealant (at least ¼" diameter) along the top and sides of the rough opening exterior to ensure an adequate seal between the back of the nailing fin and the exterior surface of the rough opening.



**(1.E) (Required)** With the door closed, place the unit into the rough opening. Center it from side to side, being careful not to push the sealant out of place. With an approved fastener (listed on page 1), fasten the door through the nailfin **through one hole** nearest the top center.



**(1.F) (Required)** Check the unit to make sure it's plumb and square, then place a few fasteners through the provided nailfin holes, anchoring the unit to the wall.

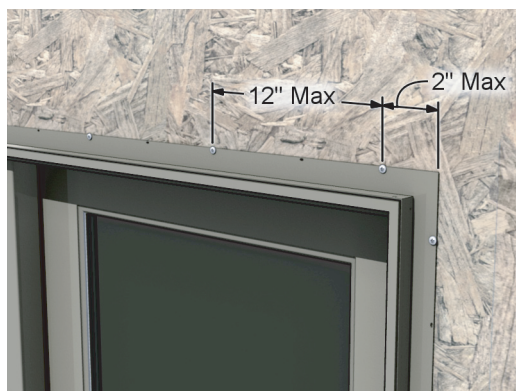
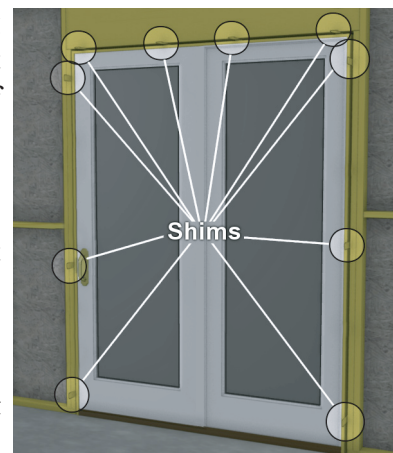


**(1.G) (Required)** Shim unit snugly, but do not over shim, or force shims, causing the jambs to bow in. **NOTE:** If the sill is not level, shim low spots beginning at the side jambs. **The sill must be level or the doors may bind when opened.** If sill shims are needed, go back and make sure there is a full seal between the sill and the subfloor at the interior and exterior edges.

**(For Florida installation:** the shims must go the full depth of the jamb).

**Tip:** Apply some sealant to the shim contact surface and this will help hold it in place until the door is secured.

**(1.H) (Required)** Secure the unit to wall through the pre-drilled holes in the side-jambs using the provided #8 x 3" screws. **The strikeplate is shipped with short screws to hold it in place, but they must be replaced with the #8x3" screws.** Drive the screws snugly against the inside of the jamb while ensuring that the shims prevent the jamb from bowing out. Repeat this procedure at each location making adjustments as necessary.



**(1.I) (Required)** From the interior, you should see a nominal 1/8" gap between the door and frame along any edge. If the gap varies, then the frame is not square. Shim and adjust as needed to achieve a square frame, then complete the nailfin fastening by placing fasteners in the provided nailing fin holes, spaced a maximum of 12" apart and 2" from the ends. **Refer to Step 2.C for fastening Transom Gusset Plates.**

**(1.J) (Required)** Attach Handle Set as per instructions enclosed with set.

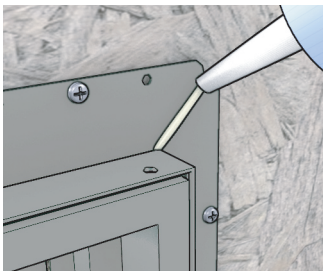
**(1.K) (Recommended)**

The lock on the door has an adjustment screw which is hidden when the door is closed, but may be adjusted from the side of the door when the door is open. Adjusting this screw pulls / pushes the door to / away from the side jamb. Refer to the handle instructions for how to adjust this screw.

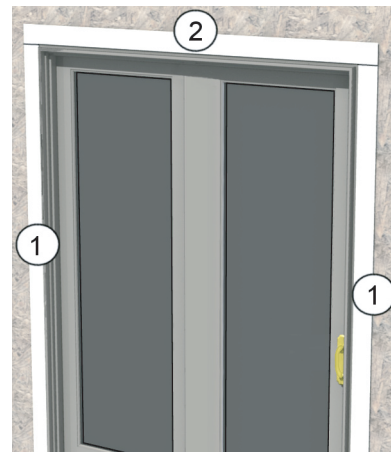
The strike plate on the side jamb has slots which allow some adjustment. Loosen the screws 1-2 turns, and slide the plate to the desired position, then re-tighten.

**(1.L) (Recommended)** The door should slide open / closed, and lock / unlock without binding. If not, the sliding door needs to be squared by adjusting the roller sets along the bottom of the door. Locate the roller adjusting screws by removing the plastic plugs at the interior lower corners of the door, then use a Phillips-head screw driver to adjust them until the door slides open / closed, and locks / unlocks without binding. Replace the plastic plugs to cover the adjustment screws.

**(1.M) (Required)** After fastening the door unit, apply sealant to the mitered corners of the nailfin as shown. Make sure to apply it all the way into the corner of the unit. Check all the unit joints (corners and mullions) making sure that none of the joints have gaps or that the sealant is cracked. If there is a visible crack width, use a clear or color-matched 100% silicone and reseal the joint(s).



**(1.N) (Recommended)** Following the flashing manufacturers' recommendations, apply flashing to the nail fins and surrounding wall surface starting with the sides, then the top, creating a shingle effect (see illustration).



**(1.O) (Recommended)** Apply a finish material to the interior of the door as soon as possible to keep the wood clean and avoid damage from moisture. Some light sanding may be needed before applying the first coat... always sand WITH the wood grain. Make sure that sandpaper does not touch the glass. **NOTE: KEEP FINISH OFF** hardware and weather-stripping. Following the instructions provided by the manufacturer of the finish material for best result.

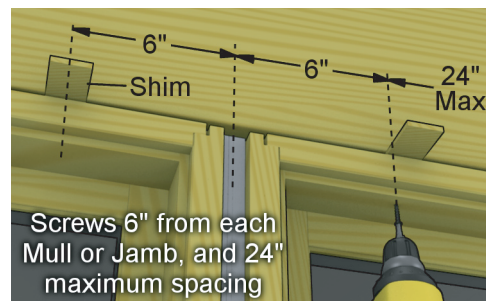
**(1.P) (Recommended)** Refer to the screen instructions included with the door to adjust the screen for optimal operation.

**Your Door installation is complete!**  
Please read the Precautionary Notes on page 4.

### **For Doors with a Mull Transom**

**Transoms require a few extra steps to make sure they are installed properly. Please read carefully. If your transom is not yet mullled overtop of the door assembly, you will need to do that first, following Mira Field Mull Instruction #253811.**

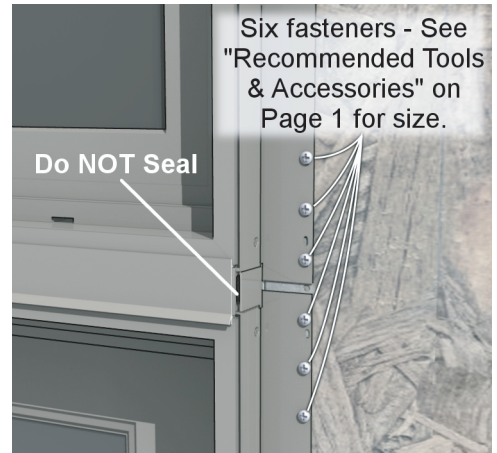
**(2.A) (Required)** Follow the instructions from Steps 1.A through 1.H, but on Step 1.H DO NOT screw the door head jamb to the transom. Instead, the transom will be screwed to the rough opening header. The holes are not pre-drilled, so space the screws as shown to fasten the transom to the rough opening header. Approximately center the screw holes from interior to exterior, and use the spacing shown at right.



**(2.B) (Required)** Complete Steps 1.I and 1.P.



**(2.C) (Required)** For fastening the mull gusset plates, refer to the section “Recommended Tools & Accessories” on page 1. Six screws are required on each gusset plate to ensure performance as labelled (see illustration). At the exterior surface, be careful not to seal the most exterior face of the mull caps when siding or flashing is applied.



**Your Door & Transom Combo installation is complete!**

**Please read the Precautionary Notes below.**

### **Precautionary Notes:**

- Store windows and doors oriented in upright position (not laying horizontally) in a dry, well-ventilated location not to exceed 6 deep and should be of similar size.
  - Keep window and door units out of direct sunlight exposure during storage and remove protective films immediately after installation.
  - If exterior is brick or masonry, you must leave a 3/8" gap between the bottom sill of the door and the masonry to avoid “brick binding”.
  - Follow the siding manufacturer’s requirements for sealing between the siding and door frames.
    - **Drilling through the frame of the door in ways not specified in these instructions could cause a leakage problem which would not be covered by the warranty.**
- ⚠
- **Use of *low*-expansion foam insulation is allowed (see manufacturer’s requirements), but any binding of the door caused by the insulation will not be covered under warranty.**
  - **Use of *high*-expansion foam insulation voids the warranty of the door unit.**
  - **Altering the exterior color of these door units may void the warranty.**
  - **Interior surfaces damaged due to incorrectly applied finish are not covered under warranty.**