

Recommended Tools & Accessories

- Tape Measure
- Level (2' or longer)
- Hammer
- Power Screwdriver
- Shims
- Sealant
- Flashing
- Chalk Line

Approved Fasteners

All fasteners must be corrosion-resistant for the window nail fin.

Wood Framed Construction:

#8 pan head wood screw that penetrates the framing member at least 1½", or nail with 3/8" minimum head diameter, that penetrates framing member at least 2"

Steel Construction:

#8 sheet metal screw that penetrates the framing member at least 3 threads

For the Mull Gusset Plates:

Wood Framed Construction:

#8 pan head wood screws that penetrate the framing member at least 2"

Steel Construction:

#8 sheet metal screw that penetrates the framing member at least 3 threads

MIRA Premium Series Direct Set Installation Instructions



IMPORTANT! READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.

These instructions apply to all MIRA Window direct set windows, including single and mull combinations. Check unit thoroughly for possible transit damage. Follow your local building codes, customs and building practices for additional installation requirements. The manufacturer will accept no responsibility for air or water leakage above, under, or around the window unit.

BEFORE WINDOW INSTALLATION

- (Required)** The rough opening should be level, plumb, and square. Dimensionally, it should be ½" taller and 1" wider than the frame dimension of the window or window combination, excluding the nail fins (**Figure 1**). Note that horizontal mulls add 1" to the vertical dimension, and vertical mulls add 1" to the horizontal dimension of the individual units combined.

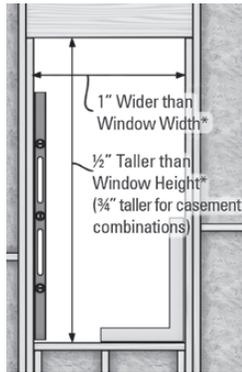


Figure 1

For Florida Building Code Compliance: The rough opening must have a maximum gap of ¼" on any given side, instead of using the dimensions shown in **Figure 1**. Refer to the FL code for more information.

- (Recommended)** If a weather-resistant barrier is used, follow the barrier manufacturer's recommendations for treatment of window openings.
- (Recommended)** If pan flashing is used, it should be installed at this time. Follow the pan flashing manufacturer's recommendations, making sure that the product provides an adequate sill dam height to the interior. When using pan flashing, do not caulk the lower sill nail fin so as to provide adequate drainage.

SINGLE UNIT INSTALLATION

- (Required)** Apply a generous (at least ¼" diameter), continuous bead of sealant to the exterior of the rough opening to ensure an adequate seal between the back of the nail fin and the exterior surface of the rough opening. See **Figure 2** for the bead location.
- (Required)** Place the window into the rough opening. If the sill of the rough opening is not level and true, place a shim near each end of the sill (**Figure 3**). Otherwise, place the window unit directly on the sill. Center it from side to side. With an approved fastener (listed above), fasten the window through the nail fin through a hole nearest the top center.
- (Required)** Square the window side to side, shimming as necessary to maintain square and level jambs (**Figure 4**). Check and adjust the shims so that the window sill and head are level and are not crowned. To maintain plumb and straightness, use a straight edge

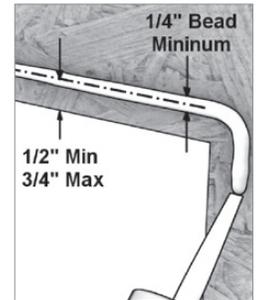


Figure 2



Figure 3

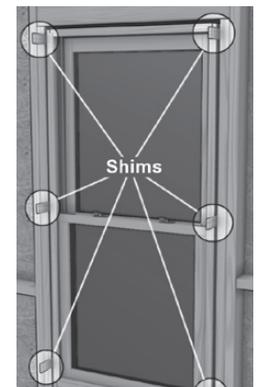


Figure 4

and level to check the sides of the window frame as you proceed to install fasteners. A properly installed window will measure the same across the top, middle and bottom, and the diagonal measurements will be the same.

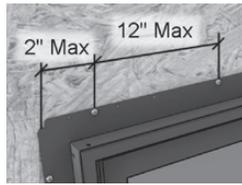


Figure 5

- (Required)** Complete the fastening by placing fasteners in the provided nail fin holes, spaced a maximum of 12" apart and 2" from the ends (**Figure 5**).

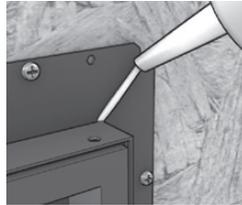


Figure 6

- (Required)** After fastening the window unit, apply sealant to the mitered corners of the nail fin (**Figure 6**). Make sure to apply it all the way into the corner of the unit.

- (Recommended)** Following the flashing manufacturers' recommendations, apply flashing to the nail fins and surrounding wall surface starting with the bottom, then the sides, and finally the top, creating a shingle effect (**Figure 7**).

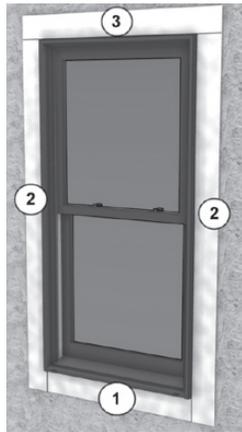


Figure 7

⚠ Note: Where pan flashing is present, do not use flashing that will impede proper drainage of the pan on the bottom. Please read the *Precautionary Notes* at the end of this page.

(Painting Requirements) Ensure unit is clean, dry and free of dirt, grass and dust before applying finish. Unprimed: Apply one coat of latex primer and two coats of acrylic latex paint. Do not use transparent stain on exterior. Primed: Paint within four weeks after installation. Apply two coats of acrylic latex paint. If primer shows wear, wash unit with a trisodium phosphate cleaner and reprime. Follow instructions for unprimed unit.

MULLED COMBINATION INSTALLATION

- (Required)** Follow the instructions from steps 1 through 5 above. On step 4, a 3/8" diameter sealant bead is recommended to ensure a full seal around the gusset plates.
- (Required)** For combinations with vertical mullions, place shims in the lower outer corners (**Figure 3**) to compensate for the mull bracket in the center. It is recommended that you use a string line across the sill to verify where the low spots are, and shim accordingly.

- (Required)** Follow steps 6 through 10 above (step 9 is recommended). For fastening the mull gusset plates, refer to the section *Recommended Tools & Accessories* box. Six screws are required on each gusset plate to ensure performance as labelled (**Figure 8**).

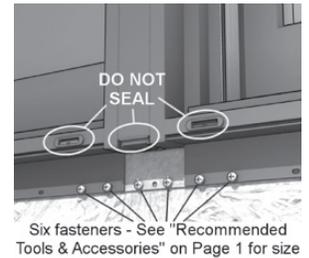


Figure 8

- (Required)** On the exterior, be careful not to seal the mull caps when siding or flashing is applied (**Figure 8**).

IMPACT UNIT INSTALLATION

Although most sizes do not require special installation details above standard single and mullied unit combinations, some larger sizes (units exceeding 49-3/8" wide and/or 76-9/16" tall) do require additional fasteners for installation.

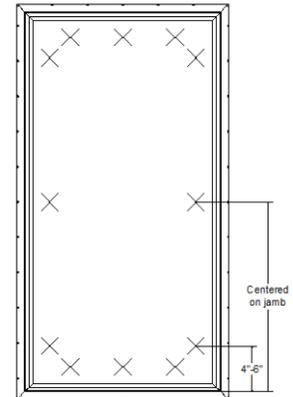


Figure 9

- (Required)** For impact units larger than 49-3/8" wide and/or 76-9/16" tall, additional fasteners must be used for installation. Fasteners should be installed through the jambs in the locations indicated (**Figure 9**). Shim between the window jamb and rough opening at each location, and install one #8 x 3" screw as shown in the detail (**Figure 10**).

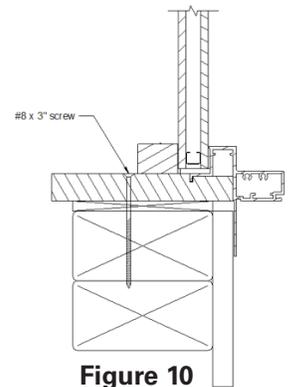


Figure 10

⚠ PRECAUTIONARY NOTES: ⚠

- If the exterior is brick or masonry, you must leave a 3/8" gap between the bottom sill of the window and the masonry to avoid brick binding.
- Follow the siding manufacturer's requirements for sealing between the siding and window frames.
- Drilling through the frame of the window 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 or damage of any type caused by the insulation will not be covered under warranty.
- Use of high-expansion foam insulation voids the warranty of the window unit.
- Altering the exterior color of these window units may void the warranty.