



# Installation Recommendations for Replacement Casement, Awning, Picture Window Flange and Finless

the installation of finless products into a typical wood-framed window less than three stories in height. Installation to other structures and frame types are not addressed here. Please contact MI or visit [www.miwindows.com](http://www.miwindows.com) for additional information.

## Important Design Considerations

document before proceeding with installation of MI's products. Responsibility for product selection and installation is on Ts.epa.gov/Land. 41

## Important Pre-Installation Considerations

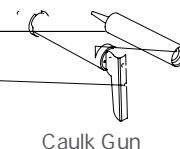
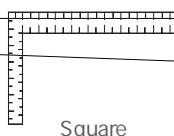
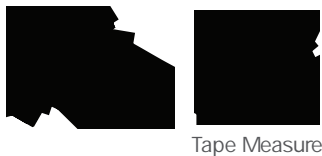
windows, finishing instructions, and appropriate use of low expansive foam insulation.

Contact MI for product specifications and additional product information for your MI product.

## Materials Required

- Non-compressible shims.
- Fasteners (type and number) required by code. At a minimum, fasteners should be spaced to properly affix the frame and penetrate through framing to structural members or more.
- High density polyurethane exterior grade sealant.
- Seal tape or other water resistive barrier\*.
- Self-adhesive flashing, in a width required by code but no less than 4" - AA compliant flexible butyl tape flashing or equivalent is recommended.\*
- Polyurethane, low-pressure foam or batt type insulation.\*

## Tools Required



\*Some of these materials may be required by code, plan, or good building practices.

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## Inspect and Prepare the Product for Installation

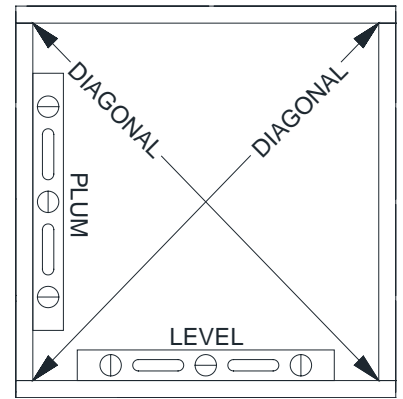
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1. Inspect the window product thoroughly before beginning installation.

- Confirm the window matches the size needed for the opening; measuring  $\frac{1}{2}$ " smaller than the rough opening dimensions in width and height.
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## Inspect and Prepare the Rough Opening

3. Make sure the rough opening is in good condition and sits plumb, level, and square. *See Figure A.* Confirming measures should not exceed permissive tolerances in ASTM 2112:  $\frac{1}{8}$ " nominal square tolerance for units less than 20 sq. ft. or  $\frac{1}{4}$ " for units more than 20 sq. ft. Framing conditions at the rough opening must be sufficient to support the window unit, framing header above, and permit appropriate integration of the window into the building's water management system. Rough openings should be  $\frac{1}{2}$ " larger than window frame in width and height.
4. If the building already has a weather resistant barrier (WRB) installed, it is necessary to prepare an opening in the WRB to accept the window. MI recommends that the installer follow the WRB manufacturer's recommendation to prepare the opening. The steps that follow are MI's general guidelines for preparing a WRB opening and, where used, the installer must confirm these steps will not impact the WRB manufacturer's warranty or otherwise inhibit drainage before proceeding.



## Flange Install Recommendations: (Finless Installation Shown Below)

Installation into Wood Buck Frame (Outside-In Method)

8. Adjustments may have to be made several times until satisfactory performance is achieved.