



1. Prepare the Window

- a) Remove all packaging materials, including shipping blocks, from the newly supplied window.
- b) Carefully inspect the unit for any damage and verify that the size is correct before proceeding with installation.

2. Apply Sealant

- a) Apply a continuous bead of silicone around the exterior perimeter of the opening (refer to Figure 1).

3. Position the Window

- a) Place the unit into the prepared opening.
- b) Use wood or vinyl shims to secure the window in place, ensuring proper alignment (see Figure 3 for shim placement).

4. Level and Square the Unit

- a) Adjust the shims as needed to ensure the window is level, square, and plumb (Figure 2).
- b) Lock all operable sashes to confirm squareness and ensure mullion joints are properly shimmed.

5. Secure the Window

- a) Begin by fastening one bottom corner using a 1 1/2" roofing nail through a pre-punched hole in the nail fin.
- b) Next, secure the top corner on the opposite side.
- c) Double-check that the unit remains square, and each frame member is both level and plumb (refer to Figure 2).
- d) Continue securing the unit by nailing around the entire perimeter, spacing nails approximately every 8 inches.
- e) Do not overtighten the nails—this allows for necessary expansion and contraction.

6. Weatherproofing

- a) The nail fin alone does not create a watertight seal. To enhance weather protection, install an ice and water barrier as demonstrated in Figures 4.1–4.3.
- b) Suitable barrier materials include roofing paper, adhesive membrane, or waterproof tape.
- c) Extend the barrier at least 6 inches beyond the opening in both directions.

7. Final Steps

- a) Choose a flashing method appropriate for your specific application.
- b) Apply exterior caulking to direct rainwater away from the window.
- c) If necessary, install finishing trim (not included in the package).

CAUTION: Lead Paint and Window Disposal Guidelines

The **Environmental Protection Agency (EPA)** mandates that any renovation involving homes built before **1978** must include measures to minimize dust generation when disturbing paint. This is due to the potential presence of **lead-based paint**, which poses serious health risks.

Disposal & Recycling of Old Windows

- **Hazardous Waste Handling:** Old windows and doors may be classified as **hazardous waste**. For proper disposal, deliver them directly to your local **solid waste facility** to ensure safe handling.
- **Reuse Options:** If in good condition, consider donating old windows and doors to **local building materials reuse centers** to support sustainability.
- **Glass Disposal:** The glass in your windows is likely **annealed or tempered** and may contain **special tints**, making it difficult to recycle. To dispose of it safely, contact **glass recycling companies** that specialize in handling such materials.
- **Safety Precautions:** Always wear **protective gloves** when handling glass components to prevent injuries.

For further guidance, consult your **state or local authorities** or visit www.epa.gov/lead for official regulations and disposal recommendations.



Figure 1

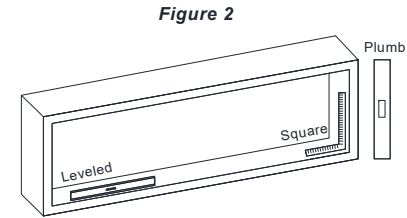


Figure 2

Figure 3
Shim & screw locations

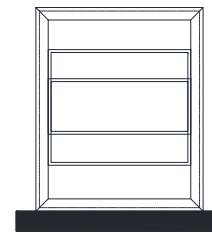
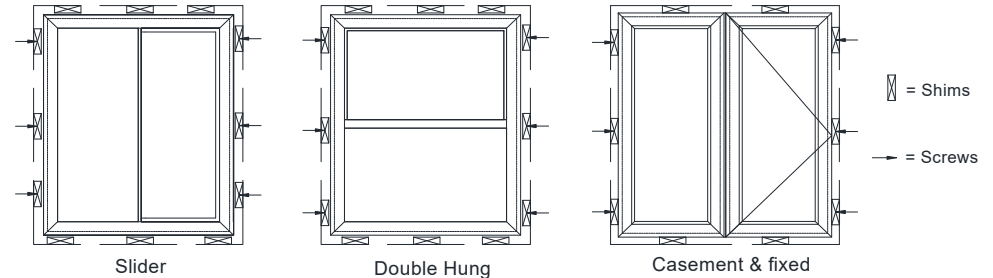


Figure 4.1

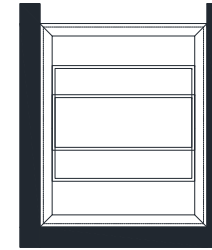


Figure 4.2

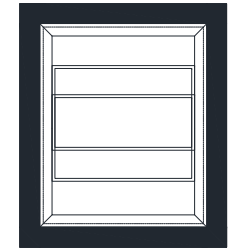
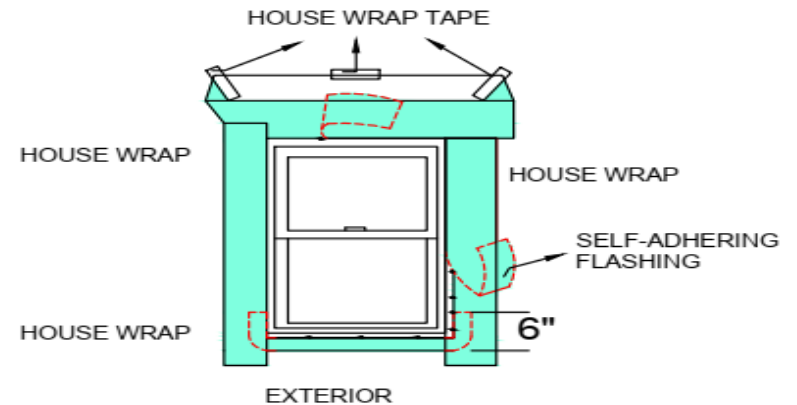


Figure 4.3

Flashing method



1. Preparation

- a) Remove all packaging materials, including shipping blocks, from the newly supplied window.
- b) Inspect the unit for any damage and confirm it is the correct size before removing the existing window.
- c) Carefully detach all old trims and stops, as they may be reusable.
- d) If applicable, cut the bottom sash balance cord or chain and remove the sash.
- e) Remove any parting strips from the sides and top, if present.
- f) Cut the top sash balance cord or chain and take out the top sash.
- g) Keep the exterior stops intact to prevent the replacement window from falling through the opening, especially if the new window does not have brickmould.
- h) Clean the opening thoroughly and ensure the integrity of the existing wood structure.

2. Rough Opening Preparation

- a) Verify that the rough opening is square and at least **19mm (¾")** larger than the new window frame in both width and height.
- b) Apply two continuous beads of sealant to the bottom of the sill angle to direct water away from the window before placing it on the sill.
- c) Apply another bead of sealant to the interior side of the exterior stop and along the exterior edge of the stool.

3. Setting the Window

- a) If required, attach a head expander to the window and use loose fiberglass insulation to fill any gaps.
- b) Position the unit into the opening, ensuring it is set against the wet sealant.
- c) Secure the window using **wood or vinyl shims** to properly block it into place (refer to Figure 2 for shim locations).
- d) Apply an interior bead of sealant along the inside of the window frame.
- e) Reinstall the interior stops against the wet sealant.

4. Securing the Window

- a) Unlock and raise the bottom sash along with the sash stops, then install screws in the designated locations (see Figure 2). Do not overtighten the screws to allow for natural expansion and contraction.
- b) For **double-hung windows**, lower the top sash and sash stops, then secure with screws in the specified locations (Figure 2).
- c) Adjust the shims so that the window is set **level, square, and plumb** (refer to Figure 3). Ensure all operating units are securely locked, using the sash to visually confirm that the window is correctly positioned.
- d) Secure the window in place by driving the provided screws through both the frame and shims into the wood stud. (Refer to Figure 2 for screw placement.)
- e) If using **installation mounting brackets instead of screws**, attach them to the designated channel on the window frame. Position the brackets in the same locations indicated for screws.

5. Final Adjustments and Insulation

- a) Once installed, open and close the sashes to verify smooth operation and ensure a proper seal when closed.
- b) Fill the gaps between the new window and rough opening with insulation. **Low-expansion foam insulation** is recommended to prevent frame distortion.

6. Weatherproofing and Finishing

- a) Select the appropriate flashing method for your installation.
- b) Apply exterior caulking to ensure proper water drainage and prevent leaks.
- c) Install finishing trim (either new or reused, not supplied) as needed.

SAFETY & HANDLING

- Don't work alone.
- Use caution when handling glass. Broken or cracked glass can cause serious injury.
- Wear protective gear as required.
- Don't put stress on joints, corner or frames.
- Properly dispose of unused products & waste material as federal & local environment protection rules.
- Install only when condition & sheathing are completely dry.
- If injury occurs, immediately seek medical attention.

TOOLS MAY REQUIRE

- | | | |
|--|-----------------|---|
| • Tape Measure and Level | • Utility Knife | • Drill/Driver |
| • # 2 Phillips/Robertson Bit (4" min length) | • Hammer | • Putty Knife |
| • Screwdriver | • Pry Bar | • Caulk Gun & Color-matched Silicone Caulk (structural sealant when applicable) |
| | • Screw Gun | |
| | • Staple Gun | |

Figure 1

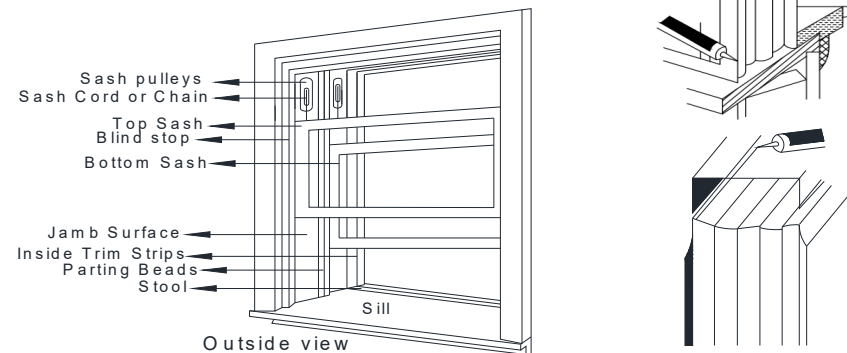


Figure 2

Shim & screw locations

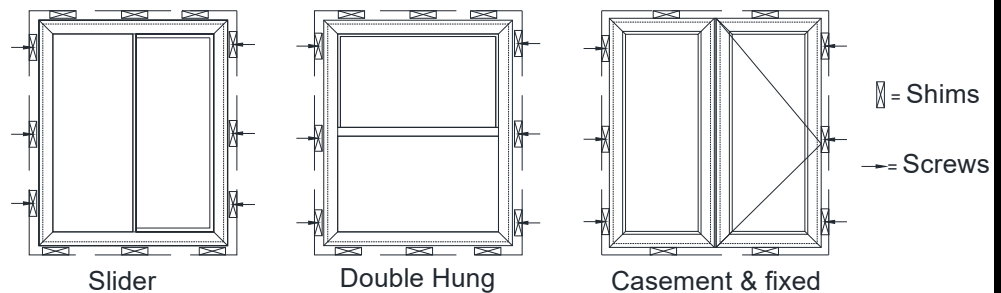
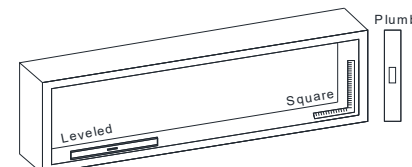


Figure 3



1. Preparation

- a) Remove all packaging materials, including shipping blocks, from the newly supplied window.
- b) Inspect the unit for any damage and verify that the size is correct before removing the old window and preparing the opening.

2. Preparing the Opening

- a) Carefully remove the old window.
- b) Ensure that the rough opening is **square** and at least **19mm (¾") larger** than the new window frame in both width and height.

3. Installing the Window

- a) Position the window into the opening.
- b) Use **wood or vinyl shims** to secure and properly block the unit into place (refer to Figure 1 for shim locations).
- c) Adjust the shims as necessary to ensure the window is **level, square, and plumb** (Figure 2).
- d) Lock all operable sashes to verify squareness and alignment.

4. Securing the Window

- a) Secure the window using the **supplied screws**, driving them through both the frame and shims into the **wood stud** (see Figure 1 for screw placement).
- b) If using **installation mounting brackets** instead of screws, clip them into the designated channel on the window frame. Position them in the same locations indicated for screw installation.

5. Final Adjustments and Insulation

- a) Open and close the operable sashes to ensure **smooth operation** and a **proper seal** when closed.
- b) Fill the gaps between the new window and rough opening with **low-expansion foam insulation**, ensuring the frame is not distorted.

6. Weatherproofing and Finishing

- a) Choose a **flashing method** that best suits your installation requirements. (Figure 3)
- b) Apply exterior **caulking** to direct rainwater away from the window and prevent leaks.
- c) If needed, install **finishing trim** (not supplied).

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Figure 1
Shim & screw locations

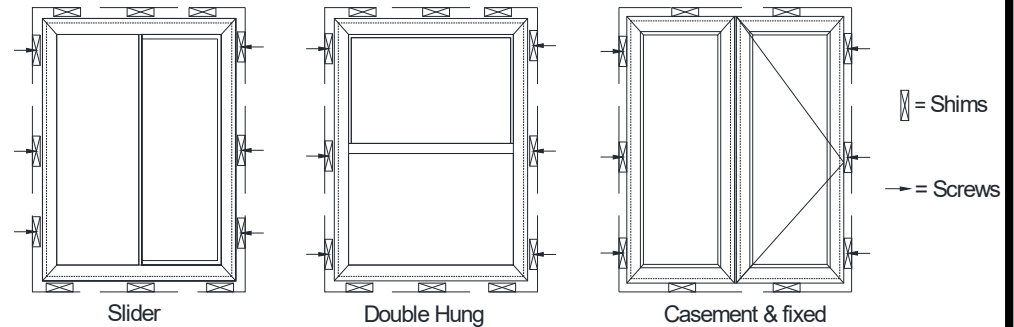


Figure 2

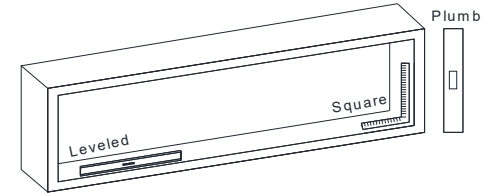


Figure 3

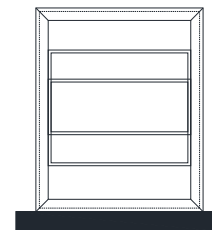


Figure 3.1

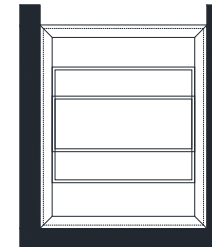


Figure 3.2

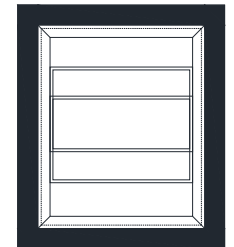


Figure 3.3

Flashing method

