

Don's **WINDOWS & DOORS** INC.

Don's window's & Doors Guide to Flush-Fin or no Fin Window Installation

Don's WINDOWS & DOORS INC.

How To Install Windows: Block-Frame or Flush-Fin Application

Required Tools & Materials:

Materials:

- 2 ½" to 3" corrosion resistant pan head screws.

Screws must penetrate 1" into framing.

- 2 ½" to 3" self-lapping concrete screws for masonry applications
- Sealant (polyurethane or 100% silicone. TremCo TremGlaze Polyurethane or equivalent recommended by Don's windows & Doors)
- Polyurethane low expansion foam (Dow Great Stuff™ Window and Door or equivalent, ENERFOAM foam sealant recommended by Dons windows & Doors)
- Shims - not water degradable or compressible
- Solid wood (cedar, redwood or exterior grade plywood) for continuous support

If installing into an aluminum window, dimensions should be ½" shorter than the length of the sill tack and ¾" taller than the depth of the track.

For installation into a wood window, dimensions should be ¼" thick, the length of the existing frame sill minus 1", and the width of the new window side jamb minus ¼"

Tools:

- | | |
|-----------------|--------------------|
| • Utility knife | caulking gun |
| • J-roller | drill |
| • Hammer | level (4" minimum) |
| • Tape Measure | Drill with bits |
| • Putty Knife | Saw saw |

Safety:

Read and understand ALL instructions before beginning.

Do not work alone. Two or more people are required. Use safe lifting techniques.

Use caution when handling glass. Broken or cracked glass can cause serious injury.

Wear protective gear (safety glasses, gloves, ear protection, etc.)

Handling:

Make sure operable windows are locked prior to installation.

Protect adhesive surfaces from dirt, moisture, and direct sunlight.

Handle windows in vertical position: do not carry flat or drag across the floor.

Do not put stress on joints, corners, or frames.

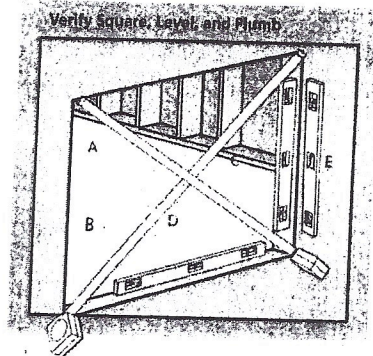
Store window in dry, well-ventilated area in a vertical leaning position. Do not stack horizontally.

Protect from exposure to direct sunlight during storage

Install only into vertical walls.

Installation Preparation:

- Remove any shipping materials such as corner covers, shipping pads or blocks. If window has a protective plastic sheet over glass, do not remove until after installation is complete.
- Inspect the window for any damage. Look for cracked frame welds, splits, cracks or holes in the nail-fin or the frame of the window. Check for fractures in the glass or evidence of a failed unit.
- Check product size and squareness. Make sure you have the correct color, grid pattern, glass pattern, energy efficiency requirements, etc.
- Inspect the opening and verify the width and height of the window are each $1/2'' - 5/8''$ smaller than the rough opening.
- Verify that the rough opening is square, level and plumb.



- The rough opening sill must not be crowned or sagged.

Prepare Existing Window Frame:

- Remove the sashes and/or glass in the existing window
- Remove all hardware and components that are not a part of the frame (locks, meeting rail, jamb liners etc.)

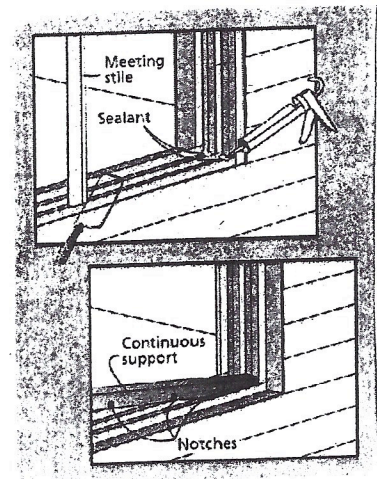
If installing into an Aluminum Window Frame

- Seal all four corners of the window frame with sealant.
- Notch grooves across the bottom of the continuous support to

allow for water drainage through the weep holes. Set the continuous support into the exterior sill track, creating a level surface at the sill.

If installing into a Wood Window Frame

- Remove any trim on the inside face of the wood frame. Do NOT remove the exterior stops.
- Apply enough sealant to the bottom of the continuous support to cover the entire surface.
- Center the support on the sill of the existing frame, flush to the outside edge and leaving a ½" gap at the ends. Secure with nails.



Prepare Buck:

- Seal any joint larger than 1/16" in the buck and between the buck and the concrete / masonry.
- Cover the buck and the surrounding concrete / masonry at the head and jambs with flashing.
- If installing into a 4-sided buck, seal the sill in the same manner,
- Shim the sill 4" from each corner, at 8" intervals, and on both sides of a mull-joint and secure shims with sealant. Use non-water degradable or compressible shims that are ¼" shorter than the depth of the window sill and no more than a ¼" thick.

Prepare Stud-Framed Wall:

- Trim the building wrap to be flush with the rough opening.

- Cut a piece of drain mat the length of the sill plus 6"

Without cutting the drain mat, remove 3" of the foam wedge from each end of the drain mat

- Place drain mat on rough opening sill, wrapping the drain mat 3" up each jamb.

Lift up the back of the wicking and staple into place on the sill.

- Pull release tape and set drain mat into place.
- Fold the drain mat down onto the sheathing, staple drain

mat to the wall, and seal the corner edges.

- Smooth out any bubbles or creases with a J-roller

Install the Window:

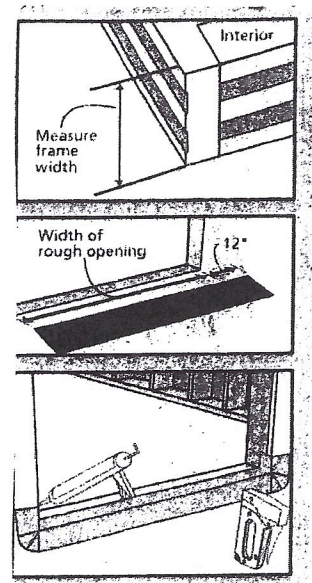
To avoid injury use at least two people to install, and support the window until completely fastened.

- Some windows will have a cover in non-operating tracks. This is true of most fixed windows. Remove track covers if present

- Single-Hung windows will sometimes have limit locks in the upper corners of the frame. Remove limit locks if present.

- Mark the fastener locations on the jambs 3" - 6" from each corner, and if the jambs are longer than 3', mark locations at 24" intervals. Note: Single-Hung window should always have the upper fastener location 3 from comer and under limit lock cover.

- At each fastener location drill a clearance hole through ONLY the first wall of the side jamb to allow the screw



to pass through. Do not drill through the exterior wall of the window frame.

If Installing a flush-Fin Window

- When using an applied fin, apply a continuous bead of sealant around the window where the fin meets the frame.
- Apply a bead of sealant to the exterior face of the opening, leaving gaps at any weep holes if installing into an existing frame.
- Place window in the opening, making sure the window rests on the sill and makes contact with the sealant.

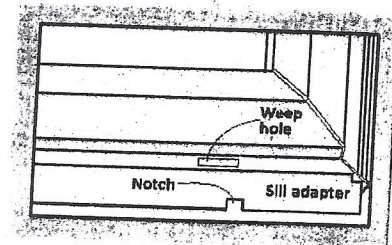
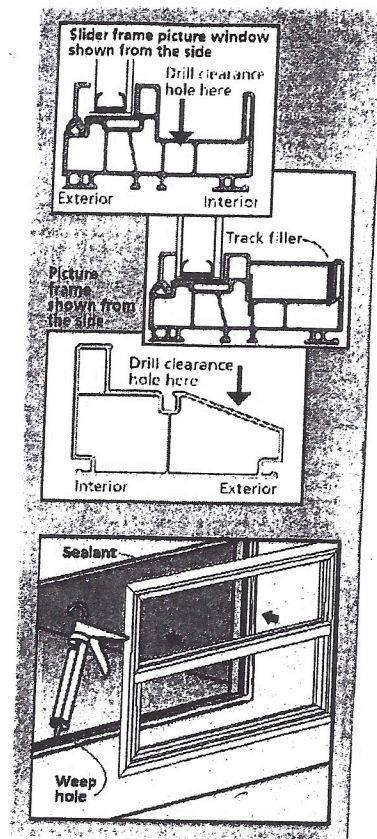
If Installing a Finless or Block-Frame Window

Installing into an Existing Frame with a Sloped Sill:

- If a sill adaptor is used, cut to length and snap into accessory groove at the sill
- Cut notches in the lower edge of the sill adaptor to allow for water drainage; notches should be at least an 1/8" square and positioned under each weep hole of the window.
- From the inside, apply sealant to the inside edge of the outside stop. Set window with a sill adaptor fully against the outside stop.

For All Installations

- Shim the side jambs between the existing frame and the new window at each fastener location. Shims should be set 1/4" back from the interior of the window frame. Secure shims with sealant.
 - Secure one lower corner through a side jamb.
- Apply sealant into hole and secure with a screw



- Inspect window for square, level and plumb (adjust shims or remove and reinstall if necessary)
- Fasten window through the remaining corners and through all fastener locations.
- Fixed windows will have screw plugs. Insert plugs and replace track covers.
- Replace any removed track pieces or limit locks.

Complete the Installation:

If Installing into wood framing with a drain mat

- On the sill, apply sealant to the back of the foam wedge. The sealant must create a continuous air seal on the interior by integrating the back of the drain mat with the window frame.
- On the other three sides, create a continuous air seal on the interior by integrating the rough opening and the window frame with low expansion polyurethane foam.

Proper disposal & or recycling of products:

- All products being removed by Don's windows & Doors will be taken back to the facility and determined to see if the product will be recycled or disposed to the roll of dumpster and then send to the land fill

For All other Installations

- Fill any voids deeper than ½" with low expansion polyurethane foam.
- For voids less than ½" deep, a continuous bead of sealant around the perimeter of the window provides an air seal.
- Seal between the head and the window frame.
- Apply sealant to the joint between the existing sloped sill and sill adaptor (if applicable), leaving gaps at the weep holes.

- Adjust window for best operation.
- Ensure weep-holes and drainage channels are clear of debris. Do not seal weep holes!
- If applicable, apply exterior trim