

INSTALLATION INSTRUCTIONS

Tilt & Turn Window



What You'll Need



Straps



Slicker



A Cart



Drill



Suction Cups



3/16" Drill Bit



Impact Driver



Clamps



Level



Painters Tool



Rubber Mallet



Measuring Tape

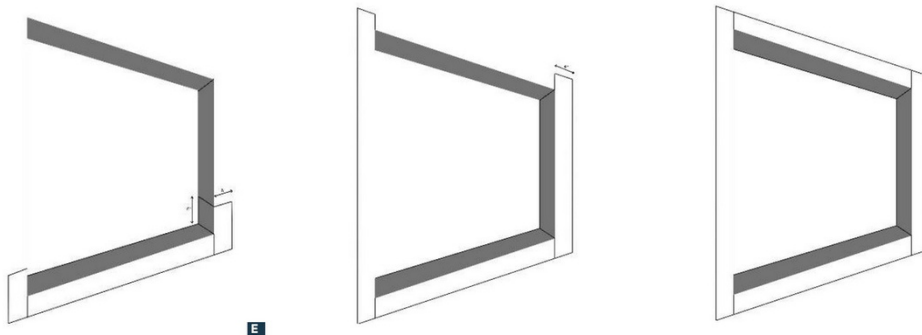


Caulking Gun

Diagram references (E)–(U) below match the lettered callouts in the source. Figures are placed with their section; verify exact figure-to-step mapping during review.

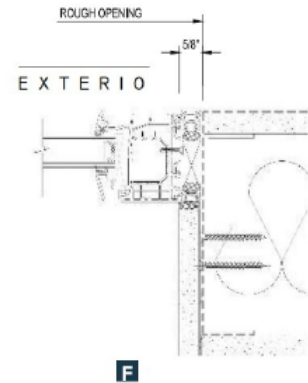
STEP 1: Prep

1. Apply flashing at the sill, extending up the sides 6". (E)
2. Add flashing on the sides, overlapping the 6 inches of the sides.
3. Add flashing to the top of the opening and overlap the sides about 6".



New Construction

1. Openings should be waterproofed and ready prior to installation. (E)
2. Waterproofing needs to pass the interior part of the window so the windows can be caulked properly.
3. Openings should be constructed with RO 1¼" larger than the unit size — 5/8" on each side, per shop drawings. (F)



Replacements

1. Measure the opening.
2. Remove old sashes.
3. Remove old window frame from opening.
4. Clean opening from any debris and old material.
5. Dispose of material to proper places.
6. Patch any imperfections in the surrounding opening.
7. Apply flashing around the opening, starting from the bottom, then sides, then the top.
8. Install window into the opening.
9. Shim window properly on all sides.
10. Caulk around the exterior of the window for proper seal.
11. Fill in the interior gap with caulk or spray foam.

Note: Premises built before 1978 might have lead paint — contact a professional for help.

STEP 2: Install — Strap Anchor Installation

Materials Needed

- Strap anchors (provided)
- 1¼" zinc self-tapping modified truss screws (clips to window)
- 1¼" zinc self-tapping modified truss screws (clips to metal framing)
- Plastic shims, varying sizes 1/16"—1/4"

Tools Needed

- Impact driver
- Painter's tool (5-in-1)
- Level
- Rubber mallet
- Measuring tape

Shimming

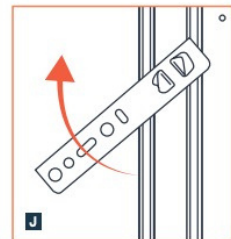
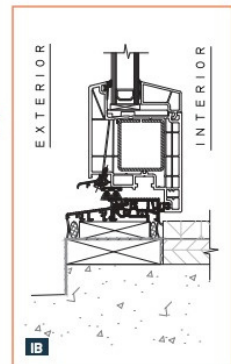
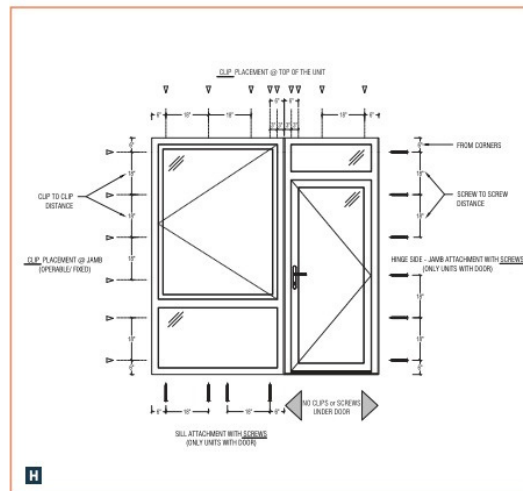
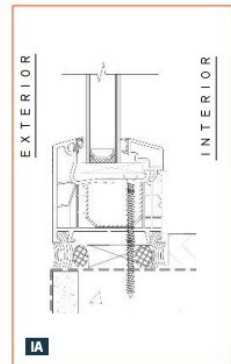
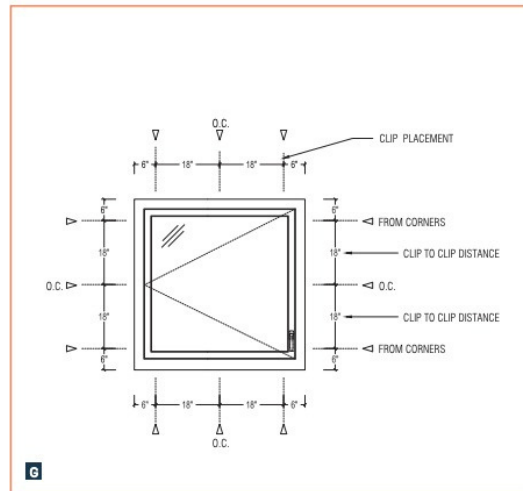
1. Use plastic shims under the clips.

Strap Anchors

1. Strap anchors are included.
2. Strap anchors are to be installed 6" from all corners, 3" and 6" from the mullions, and every 18" in between. (G)
3. At doors, use screws directly through the hinge side; no screws or clips should be used on the door sill. (H)
4. Put the clip in the slot parallel with the frame, and twist until horizontal. (J)
5. Use 1¼" screws to fasten the clips to the frame.

Install

1. Windows need to be level, square, and plumb.
2. Head heights should align.
3. Windows should align floor to floor.
4. Align exterior of window with the exterior board on the exterior of the framing or CMU.
5. Note: make sure glazing beads are facing the inside (windows are inswing only).
6. Make sure to remove the plastic shipping profile from underneath the windows.



STEP 3: Caulking

Materials Needed

- Caulk (Tremco Spectrem 2 or equivalent)
- Backer rod or spray foam
- Paper towel or cloth
- Painter's tape (for cleaner lines)

Tools Needed

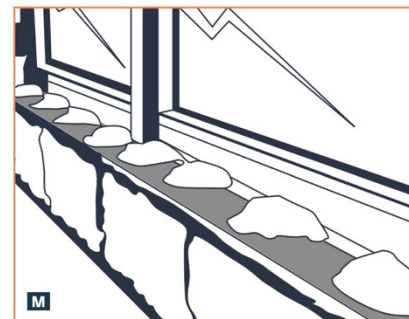
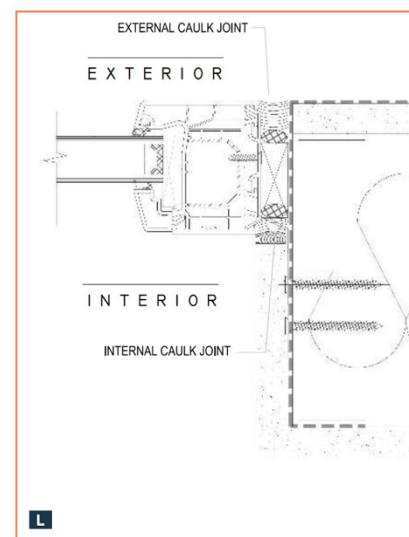
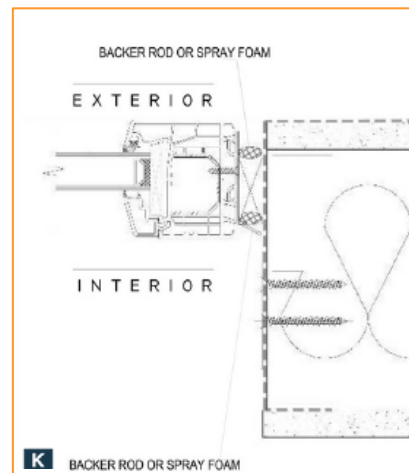
- Caulking gun
- Slicker

Backer Rod

1. Put backer rod or spray foam along the rough opening space. (K)
2. If using backer rod, make sure it is fairly tight so it doesn't get pushed in easily (3/4" recommended).

Caulking

1. For a clean look, place painter's tape on the edge of the window and edge of the opening.
2. Use a caulking gun with nozzle to seal the window to the opening. (L)
3. Use a spatula to flatten the caulk joint and make sure it seals properly.
4. Use a paper towel or cloth to take off excess caulk.
5. Inspect the joint to make sure there are no holes.
6. On the interior, make sure to seal the clips and shims as well. (M)



Alternate Method — Nail Fin Installation

Materials Needed

- 1½" zinc self-tapping modified truss screws (nail fin to metal framing)
- Plastic shims, varying sizes 1/16"–1/4"



Tools Needed

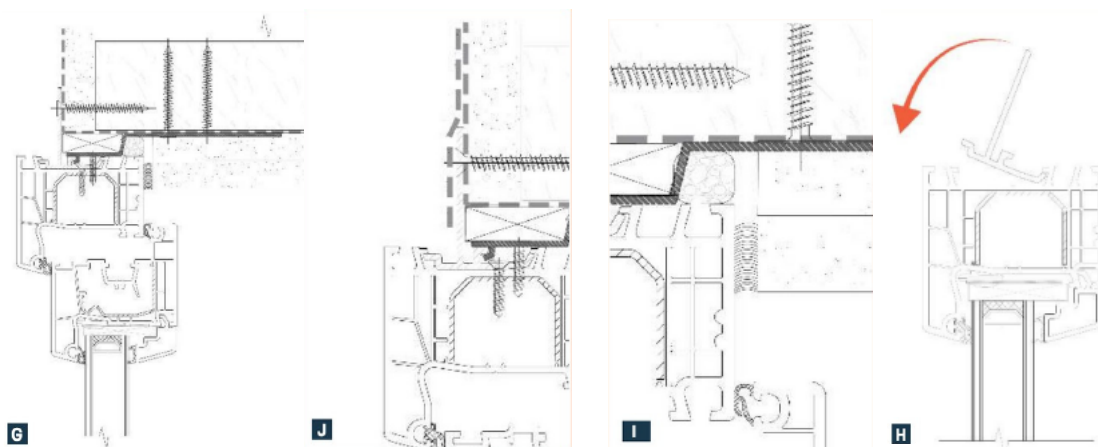
- Impact driver
- Painter's tool (5-in-1)
- Level
- Rubber mallet
- Measuring tape

Shimming

1. Use plastic shims under the clips.

Install

1. Put the window on an angle, slide out and pull the window in so the nail fin becomes flush on the exterior of the wall.
2. Windows need to be level, square, and plumb.
3. Head heights should align.
4. Windows should align floor to floor.
5. From the exterior, screw the nail fin to the exterior of the wall using the 1½" screws. (G)
6. Cover the nail fin with tape. (J)
7. Add spray foam on the interior in the gap between the window and the opening. (I)
8. For mulled units, snap the nail fin in place before installing the window. (H)
9. Note: make sure glazing beads are facing the inside (windows are inswing only).
10. Make sure to remove the plastic shipping profile from underneath the windows.



Alternate Method — Pocket Installation

Materials Needed

1. Score paint on the interior stops.
2. Use a pry bar to remove interior stops.
3. Cut balance cords (if present) and let the weights slide down.
4. Remove window sashes.
5. Remove cord pulleys (if present).
6. Inspect opening for any broken or deteriorating parts.
7. Clean opening from any debris.
8. Confirm opening is about 1/2" to 1" larger than the window.
9. Apply sealant around the window's opening.
10. Set the window in the opening, square and plumb.
11. Shim windows in place and screw through the frame into the jambs.
12. Add spray foam in the gaps on the interior.

Tools Needed

- Impact driver
- Painter's tool (5-in-1)
- Level
- Rubber mallet
- Measuring tape



STEP 4: Connections

Materials Needed

- Mullion (provided)
- 3" #12 self-tapping screw, flat head
- 2" self-tapping screw, flat head
- Caulk (Spectrem 2 or equivalent)

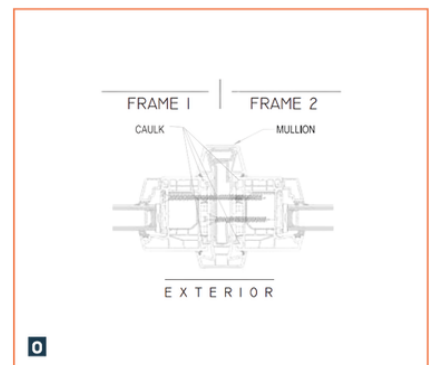
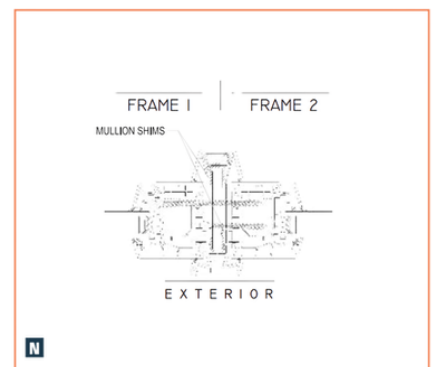
Tools Needed

- Impact driver
- Painter's tool (5-in-1)
- Level
- Rubber mallet
- Measuring tape



Vertical and Horizontal Mullions

1. Remove glazing beads using the painter's tool.
2. If glass is more than 1¼" in thickness, remove glass as well.
3. Place mullion shims on frame 1, one every 16 inches. (N)
4. Put a caulk joint along the interior and exterior of frame 1. (O)
5. Using the 2" screws, fasten the mullion to frame 1. (P)
6. Add a screw every 16 inches.
7. Place mullion shims in frame 2 every 16 inches. (N)
8. Add a caulk joint on the interior and exterior of the frame. (O)
9. Clamp frame 1 and frame 2 together.
10. Using the drill and metal bit, screw a hole from frame 1 through the first part of frame 2's reinforcement steel (hole should pass through 4 layers of steel). (Q)
11. Holes should be made every 16 inches.
12. Use 3" screws in all holes to fasten the construction together. (R)
13. Once all screws are fastened, the clamps can be removed.



Vertical and Horizontal Mullions

1. Place handle on the hole and line it up pointing down. (S)
2. Twist cover to reveal screw hole.
3. Use screwdriver/impact driver to screw in the 2 provided screws.
4. Twist cover back.



Handle Install

1. Place the handle on the hole and line it up pointing down. (S)
2. Twist the cover to reveal the screw hole.
3. Use a screwdriver/impact driver to screw in the 2 provided screws.
4. Twist the cover back.



Door Handle Install

1. Slide the cylinder in the slot.
2. Use the 2 screws to secure the plates.



Door Hinge Adjustments

1. Remove the hinge cover.
2. Use an allen wrench to adjust the hinges horizontally (T) and vertically. (U)
3. Return the hinge cover.

Weep Hole Covers

1. Weep hole covers will come separately with the hardware.
2. Click the weep hole cover into the slots.
3. Make sure the open slot is facing down.

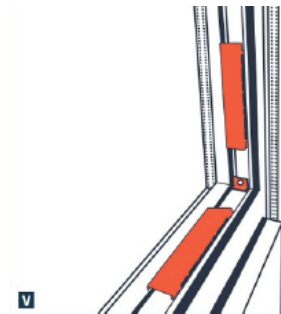
Service & Maintenance

Glass Replacement

1. Weep hole covers will come separately with the hardware.
2. Click the weep hole cover into the slots.
3. Make sure the open slot is facing down.

Maintenance

1. Clean windows regularly.
2. Do not use any sharp objects to clean windows.
3. Use plastic glass cleaner.
4. Use paper towels or a soft cloth.
5. Clean window hardware regularly.
6. Oil hardware regularly.
7. Do not force the window open or closed.



For questions, please call Window Well Supply Customer Service, Monday through Friday, 8:00 AM – 5:00 PM CST at (262) 633-3707.