

Installation Guide **Single-Hung, Picture & Shapes**

Non-Impact & Impact Resistant
Florida Flange Windows

50 Series & 70 Series Windows

**American
Craftsman®**
by Andersen



americancraftsmanwindows.com

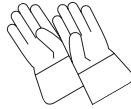
Project Requirements:

- Read guide before starting installation. Read all warnings and cautions during installation.
- Check with your local building code official to identify and confirm compliance with local building code requirements.
- These instructions show images of a masonry flange single-hung window installation into a wood frame unless otherwise noted.
- Instructions may not be right for all installations due to building design, construction material or methods used and/or building site conditions. Consult a contractor or architect for recommendations.
- Existing window frame, wall and weather-resistant barrier must be adequate and window frame and wall must be structurally sound.
- Window must be installed to be plumb, level and square.
- Combination units must be individually supported to the rough opening.
- Anchoring screws must attach to framing members.
- Failure to follow these instructions may void product warranty.
- Contact local authorities or waste management companies for proper recycling and/or disposal of removed window or patio door.
- Due to ongoing product changes, updated test results and/or new industry best practices, this installation procedure may change over time. Visit the manufacturer's website for current installation instructions.
- Visit the manufacturer's website for removal instructions, additional installation information and/or guides.

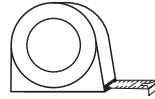
Tools & materials required:



Safety glasses



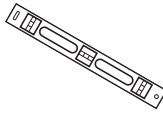
Work gloves



Tape measure



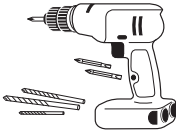
Framer's square



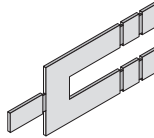
Level



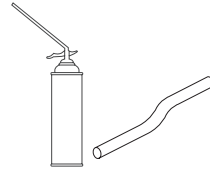
Putty knife



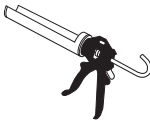
Power driver
and bits



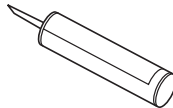
Shims



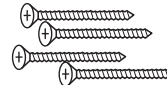
Minimum-expanding foam
sealant or backer rod
with sealant



Caulk gun



Interior & exterior window
grade sealant



Approved fasteners
(See fastener chart)



Formable self-
adhering sill flashing
(Minimum 6" wide)

Warnings and Cautions:

⚠ WARNING

Use caution when working at elevated heights and around unit openings. Follow manufacturers' instructions for ladders and/or scaffolding. Failure to do so may result in injury or death.

⚠ WARNING

Follow manufacturers' instructions for hand or power tools. Always wear safety glasses. Failure to do so may result in injury and/or product damage.

⚠ WARNING

Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry and install window and door products to avoid injury and/or product damage.

⚠ WARNING

Installation hole plugs are small parts and, if swallowed, could pose a choking hazard to young children.

⚠ WARNING

Support window in opening while shiming. Failure to do so may result in injury and/or product/property damage.

CAUTION

Do not apply any type of film to glass. Thermal stress conditions resulting in glass damage could occur.

CAUTION

Unless specifically ordered, these windows are not equipped with safety glass, and if broken, could fragment causing injury. Many laws and building codes require safety glass in locations adjacent to or near doors. These windows are available with safety glass that may reduce the likelihood of injury when broken. Information on safety glass is available from your sales representative.

CAUTION

The use of movable insulating materials such as window coverings, shutters, and other shading devices may damage glass and/or vinyl.

CAUTION

Follow instructions of foam, sealant and flashing manufacturer regarding material application and compatibility with this product.

CAUTION

When insulating between unit frame and rough opening or between units when joining, **DO NOT** overpack batt insulation or overfill with foam. Bowed jambs will result affecting product performance and/or proper operation of unit.

CAUTION

Do not cover weep holes. Property damage may result.

Warnings and Cautions:

CAUTION

Do not drill into or through the sill of the window or product and/or property damage may occur.

CAUTION

Do not store windows flat or in the sun or product damage may occur.

CAUTION

Remove or cut ventilation holes in plastic shipping wrap if windows are not installed immediately or product damage may occur.

CAUTION

Weep holes must face the exterior and must be located at the bottom of the window or product and/or property damage may occur.

CAUTION

Use masonry screw when fastening directly into masonry or through a buck into masonry.

NOTICE

Buildings constructed prior to 1978 may contain lead paint which could be disturbed during replacement. For more information on proper management of lead paint, visit www.epa.gov/lead

NOTICE

Important safety information. Leave this information for the building occupant.

Fasteners:

 **WARNING**

Metal fasteners and components may corrode when exposed to preservative-treated and/or fire-retardant treated lumber. Use approved fasteners and components to fasten unit. Failure to do so may cause a failure resulting in injury, property or product damage.

Florida Building Code Approved Fastener Chart

Application	Anchor Type	Anchor Size	Minimum Embedment	Minimum Clearance to Masonry Edge	Minimum Clearance to Adjacent Anchor
1X Buck or Masonry Frame	ITW	1/4"	1-1/4"	2-1/2"	3"
1X Buck or Masonry Frame	ELCO	1/4"	1-1/4"	1"	4"
2X Buck	Wood Screw	#8	1-1/4"	NA	NA

This fastener schedule is provided as an example of fastening requirements. Requirements may vary by product, building type, application and region. Contact your local building code official for requirements in your area.

Finishing, Cleaning and Maintenance Instructions:

CAUTION

Do not stain or paint weatherstrip, vinyl, glass or hardware. Product damage may occur.

- **Read and follow finishing product instructions and warnings on finish material.**

CAUTION

Acid solutions used for cleaning masonry or concrete will damage glass, fasteners, hardware, vinyl and metal flashing.

Protect unit and follow cleaning product instructions carefully. If acid contacts unit, wash all surfaces with water immediately.

CAUTION

Abrasive cleaners will damage glass and vinyl surfaces.

- **Clean glass using liquid glass cleaner.**
- *Clean exterior frame, sash, and insect screens using mild detergent and water with a soft cloth or brush.*
- *For hard to clean areas use a nonabrasive cleaner, alcohol-and-water or ammonia-and-water.*

⚠ WARNING



Do not install air conditioner in window. Injury and/or product or property damage may occur.

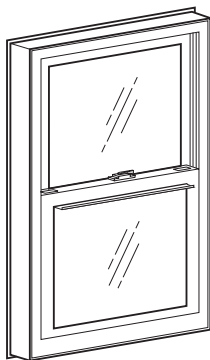
- *Do not apply any type of film to insulating glass. Thermal stress and glass damage can result. Shading devices (insulated coverings, shutters, etc.) may also cause thermal stress damage.*
- *For continued weather resistance of sealant joints, follow the sealant manufacturer's recommendations for periodic maintenance.*

Step 1

Inspect unit.

Remove unit from packaging. Place unit on a clean, flat work surface.

Close and lock sash if applicable to keep unit rigid and square during installation.

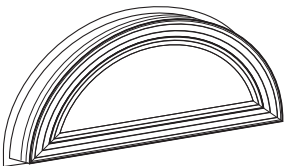


Single-Hung Window
Interior

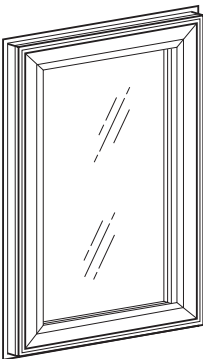
Installation Hole Plugs
(Single-Hung Window
with Factory-Drilled
Installation Holes only)



Masonry Flange Windows



Shape Window
Interior



Picture Window
Interior

NOTE: Impact resistant picture and shape windows also have separate interior finish covers.

Parts Included:

(1) Installation hole plugs bag containing:

Quantity	Item
8	Installation Hole Plugs White or Beige (Single-Hung Window with Factory-Drilled Installation Holes only)

⚠ WARNING

Installation hole plugs are small parts and, if swallowed, could pose a choking hazard to young children.

Step 2

Prepare rough opening.

Inspect opening for correct size. Opening should be 1/2" larger than window size in width and height.

Check sill plate for level. Sill **must** be level. If sill is not level, correct before continuing.

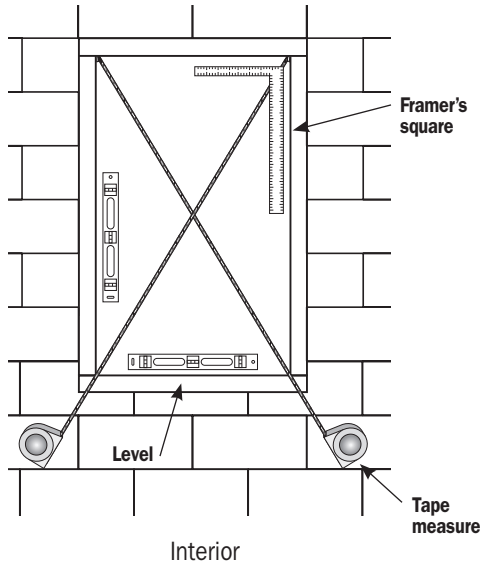
Check rough opening for plumb and level. If rough opening is **not** plumb or level, correct as necessary.

Check opening for square by measuring diagonally, upper left to lower right and upper right to lower left corner. Measurements must be within 1/8". If rough opening is **not** square, correct as necessary.

NOTICE

For masonry installations using wood bucks, follow wood buck installation instructions as specified by local building code.

Masonry with Wood Buck Frame



Installation Guide

Step 3

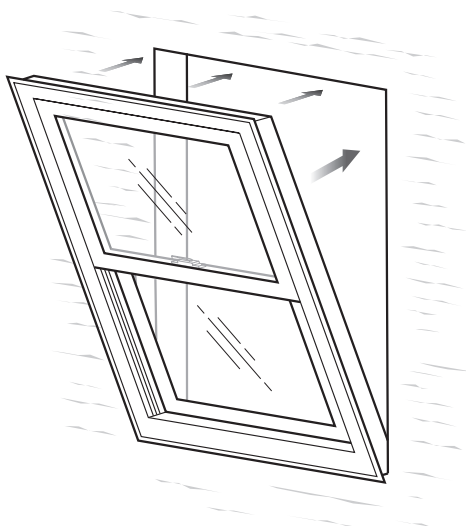
⚠ WARNING

Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry and install window and door products to avoid injury and/or product damage.

Check fit of window.

Temporarily place window into opening tilting in from bottom and check for fit. Then remove window.

Adjust opening as needed.



Exterior

NOTICE

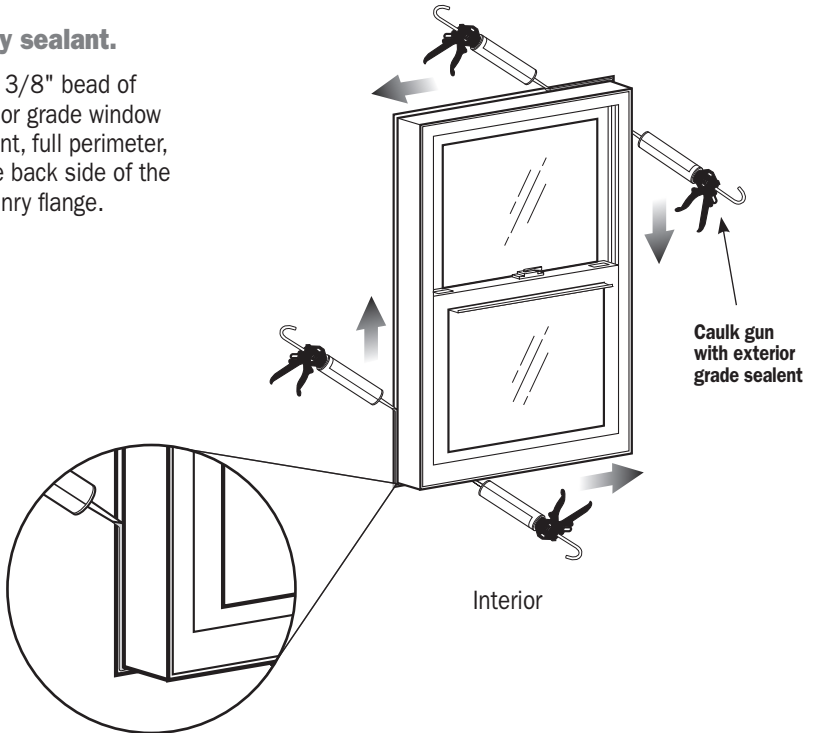
Single-Hung windows shown for illustration purposes. These instructions cover Single-Hung, Picture and Shapes.

If installing a single-hung window, proceed to Step 4 Single-Hung.
If installing a picture or shape window, proceed to Step 11 Pictures & Shapes.

Step 4 Single-Hung

Apply sealant.

Apply 3/8" bead of exterior grade window sealant, full perimeter, to the back side of the masonry flange.



Installation Guide

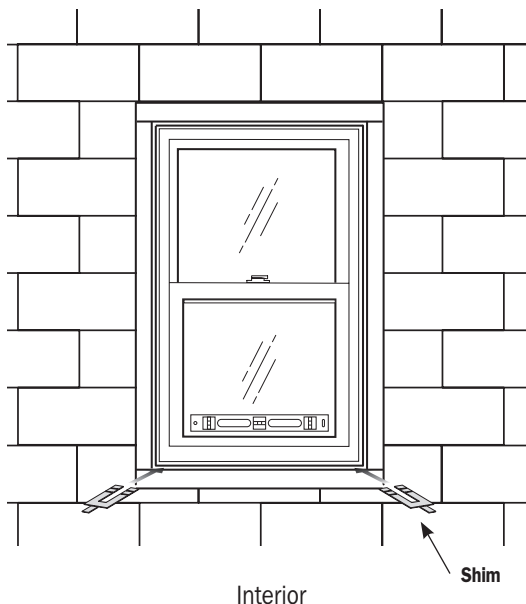
Step 5 Single-Hung

⚠ WARNING

Support window in opening while shimming. Failure to do so may result in injury and/or product/property damage.

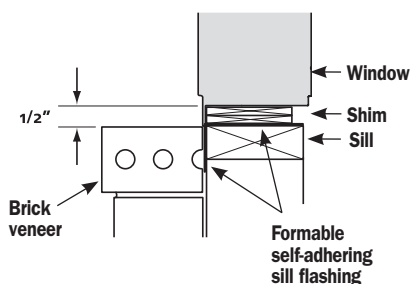
Place window in opening.

Set shims and lift window into rough opening. Center side-to-side. Check level of unit from the interior. Do not set window unit directly on sill. Make sure shims are located properly under any vertical members.



CAUTION

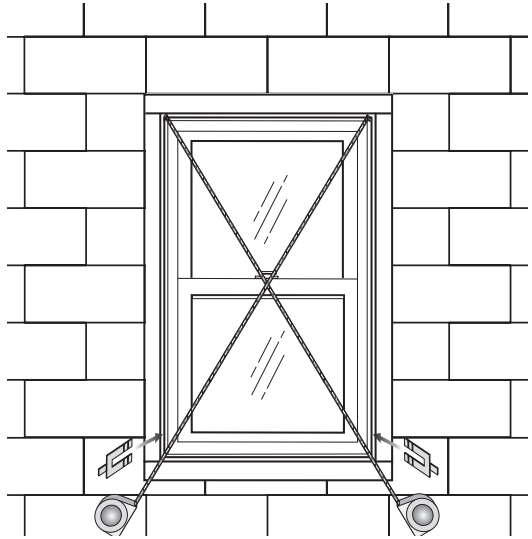
- **DO NOT** set window unit directly on sill plate. Elevate unit on shims at side jambs. Sill plate may bow and interfere with window operation.
- Unit must be properly shimmed. Failure to do so could result in product damage.
- Provide a minimum clearance of 1/2" from top of brick masonry to the bottom of any portion of sill. Failure to do so could result in product damage.



Step 6 Single-Hung

Check for square.

Measure diagonally across unit, upper left to lower right and upper right to lower left corner. If measurements are within $1/8"$, unit is square. If unit is not square, adjust by inserting shims behind where installation holes will be located according to fastening instructions from local building code, as needed. Do not over shim.

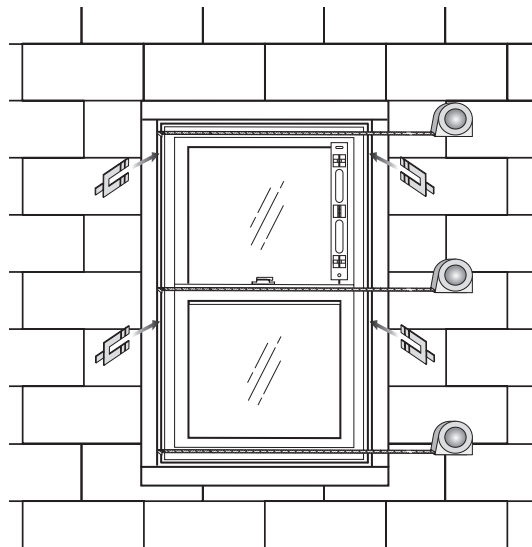


Interior

Step 7 Single-Hung

Check for plumb.

Measure across head, center and sill of unit. Center dimensions should match head and sill dimensions within $1/8"$. Check for plumb. Shim to straighten side jambs behind installation holes that will be located according to fastening instructions from local building code, as needed. Do not over shim.

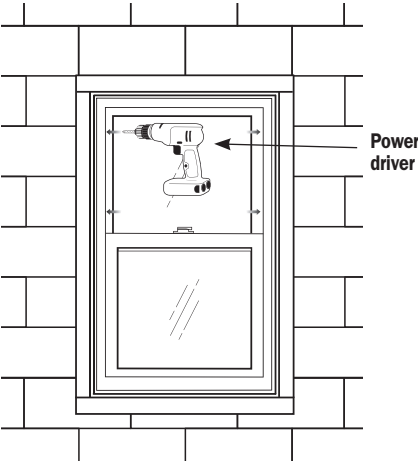


Interior

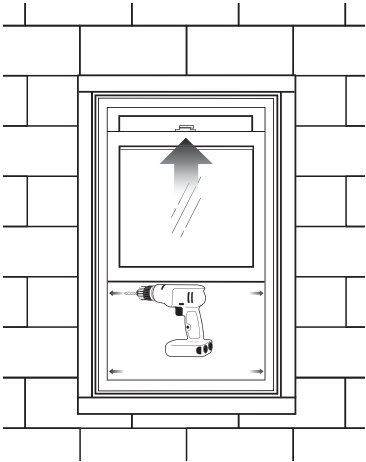
Step 8
Single-Hung

Drill installation holes as needed.

If single-hung window does not have factory-drilled installation holes, follow the fastening instructions from local building code to drill installation holes. Countersink the installation holes through the first wall of vinyl only. Do not countersink through second wall of vinyl. Do not damage the balance cords. Open sash as necessary to provide access to drill installation holes.



Interior



Interior

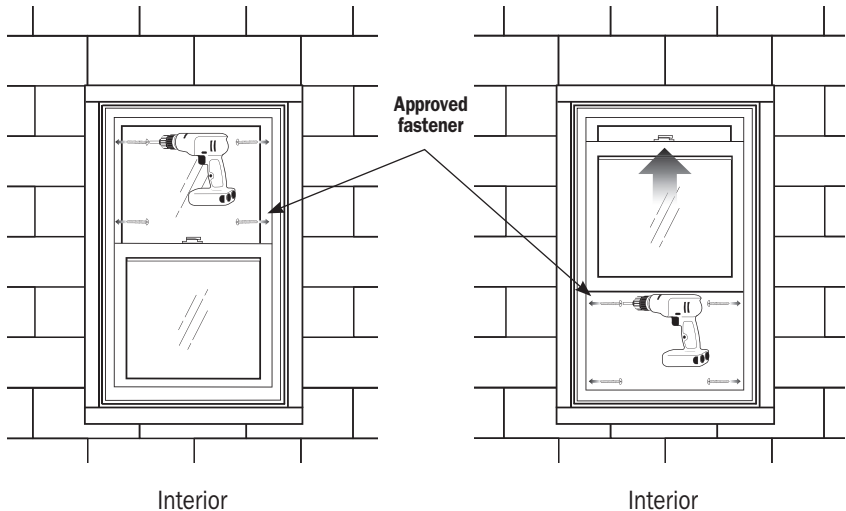
⚠ WARNING

Damaging the balance cords will result in a non-usable product.

Step 9 Single-Hung

Fasten window.

Fasten window to opening. See fastening chart on page 6 of this guide, if applicable. Follow fastening instructions as specified by local building code. Do not drive the fastener heads through the second wall of vinyl. Do not damage the balance cords. Open sash as necessary to provide access to installation holes.



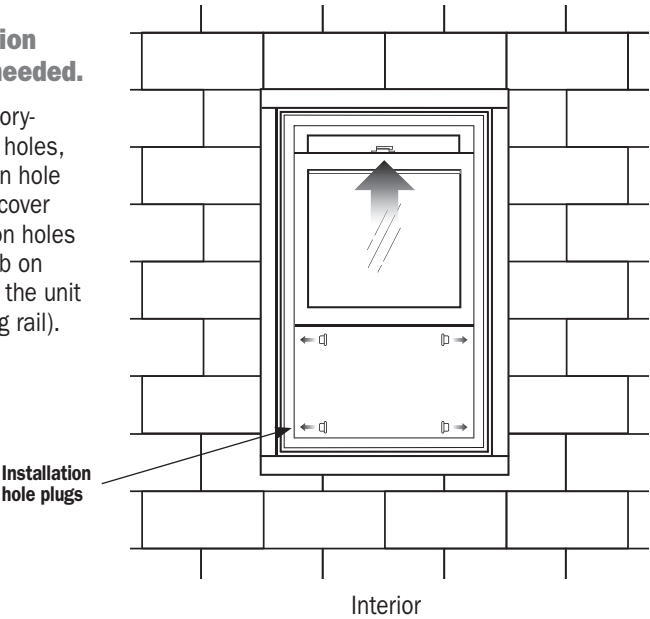
⚠ WARNING

Damaging the balance cords will result in a non-usable product.

Step 10
Single-Hung

**Insert installation
hole plugs as needed.**

If window has factory-drilled installation holes, use the installation hole plugs provided to cover only the installation holes located in the jamb on the bottom half of the unit (below the meeting rail).

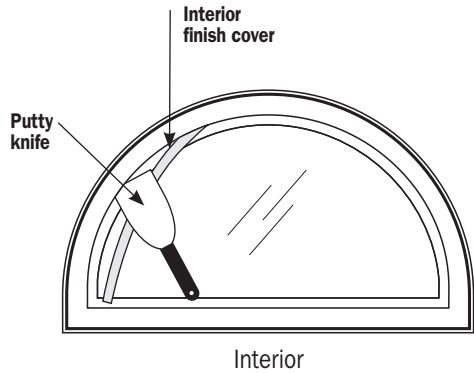


Proceed to Step 19.

Step 11 Pictures & Shapes

Remove interior finish cover, if needed.

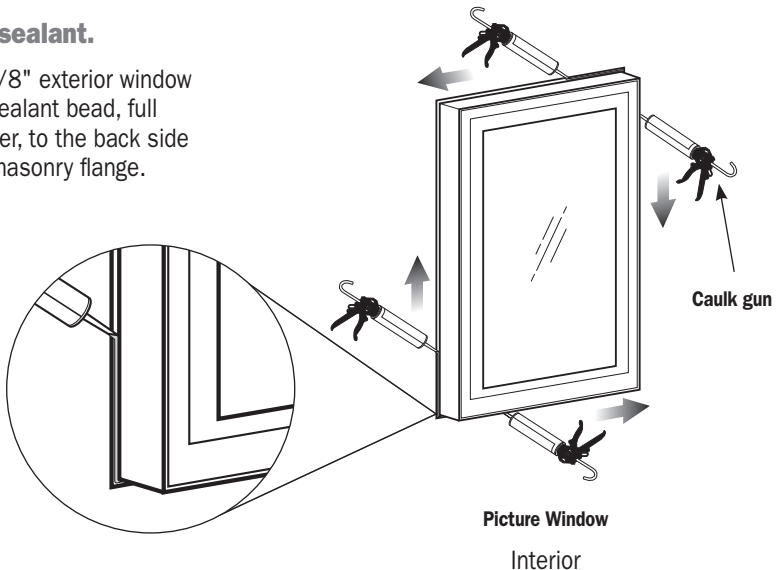
Using a putty knife, carefully remove the interior finish cover if needed, starting at the corner, inside the jambs and sill along the perimeter, and set aside for installation finish. If your interior finish cover is not pre-installed, proceed to the next step.



Step 12 Pictures & Shapes

Apply sealant.

Apply 3/8" exterior window grade sealant bead, full perimeter, to the back side of the masonry flange.



Installation Guide

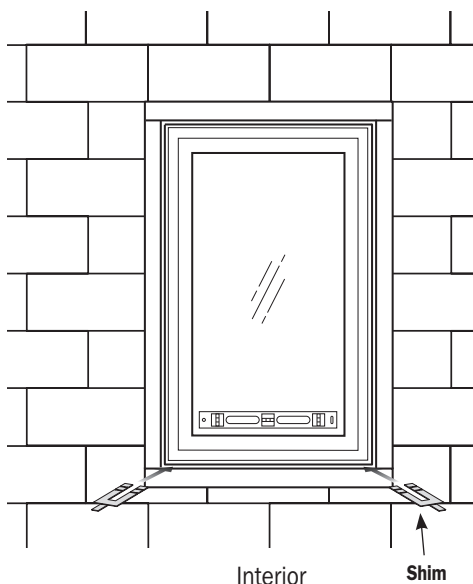
Step 13 Pictures & Shapes

⚠ WARNING

Support window in opening while shimming. Failure to do so may result in injury and/or product/property damage.

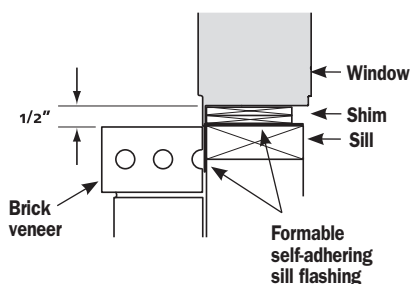
Place window in opening.

Set shims and lift window into rough opening. Center side-to-side. Check level of unit from the interior. Do not set window unit directly on sill. Make sure shims are located properly under any vertical members.



CAUTION

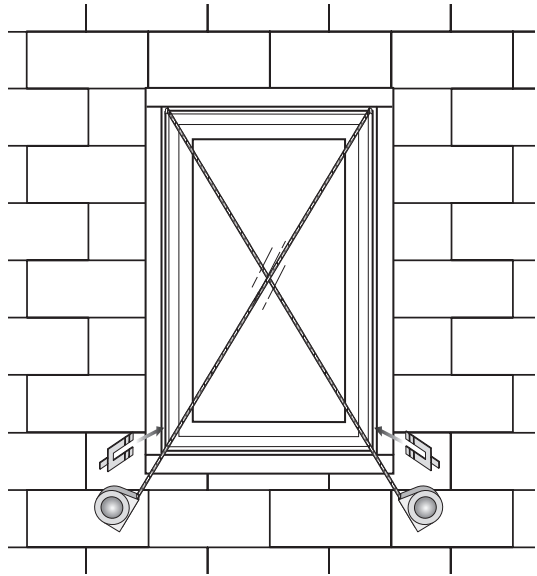
- **DO NOT** set window unit directly on sill plate. Elevate unit on shims at side jambs. Sill plate may bow and interfere with window operation.
- Unit must be properly shimmed. Failure to do so could result in product damage.
- Provide a minimum clearance of 1/2" from top of brick masonry to the bottom of any portion of sill. Failure to do so could result in product damage.



Step 14 Pictures & Shapes

Check for square.

Measure diagonally across unit, upper left to lower right and upper right to lower left corner. If measurements are within $\frac{1}{8}$ ", unit is square. If unit is not square, adjust by inserting shims behind where installation holes will be located according to fastening instructions from local building code, as needed. Do not over shim.

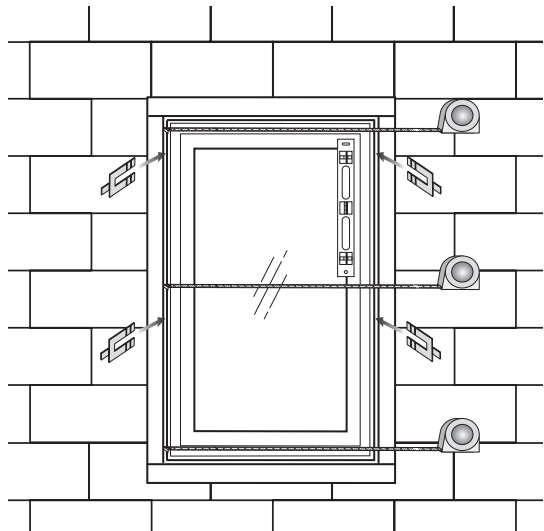


Interior

Step 15 Pictures & Shapes

Check for plumb.

Measure across head, center and sill of unit. Center dimensions should match head and sill dimensions within $\frac{1}{8}$ ". Check for plumb. Shim to straighten side jambs behind installation holes that will be located according to fastening instructions from local building code, as needed. Do not over shim.



Interior

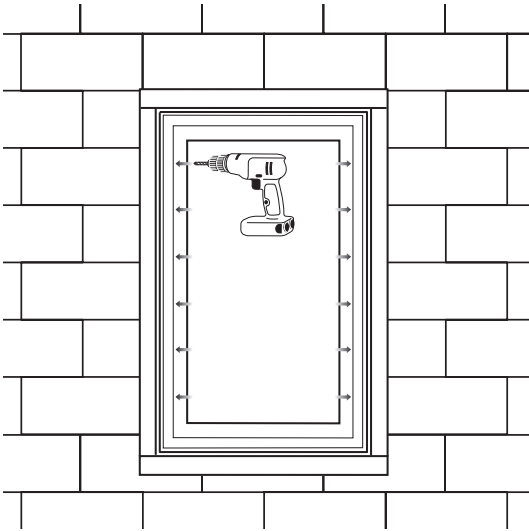
Installation Guide

Step 16 Pictures & Shapes

Drill installation holes.

Drill the installation holes according to the fastening instructions from local building code. Do not countersink.

NOTE: Make sure to remove any interior cover trim before drilling the installation holes on picture and shape windows.

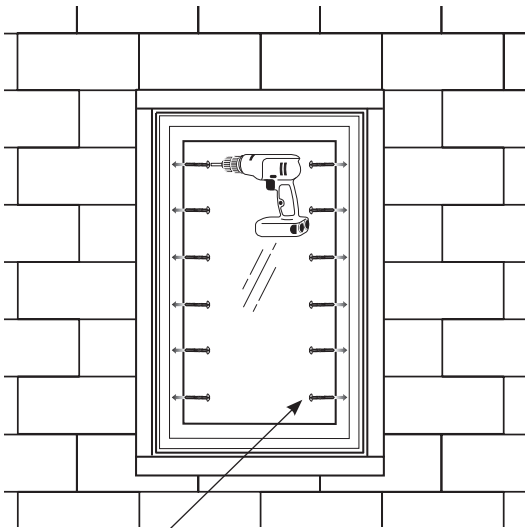


Interior

Step 17 Pictures & Shapes

Fasten window.

Fasten window to opening. See fastening chart on page 6 of this guide, if applicable. Follow fastening instructions from local building code. Fasteners should be snug to the window; do not “sink” the fasteners.



Approved fastener

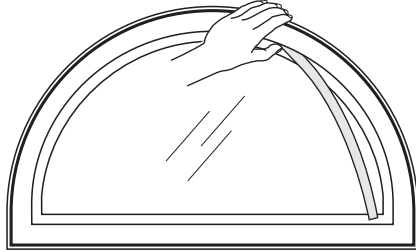
Interior

Step 18 Pictures & Shapes

Install interior finish cover.

Starting at the sill, snap the interior finish cover into the inside perimeter of the window to cover the installation holes.

NOTE: Different regions may require field inspection of fasteners before interior finish cover is applied. Verify before applying.



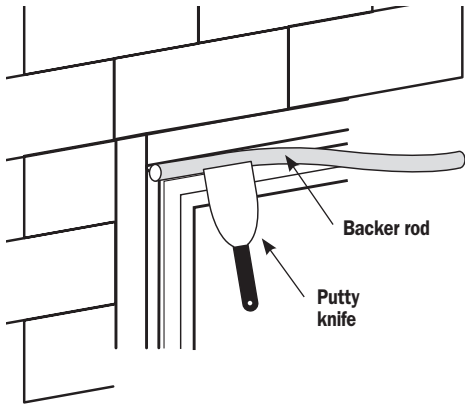
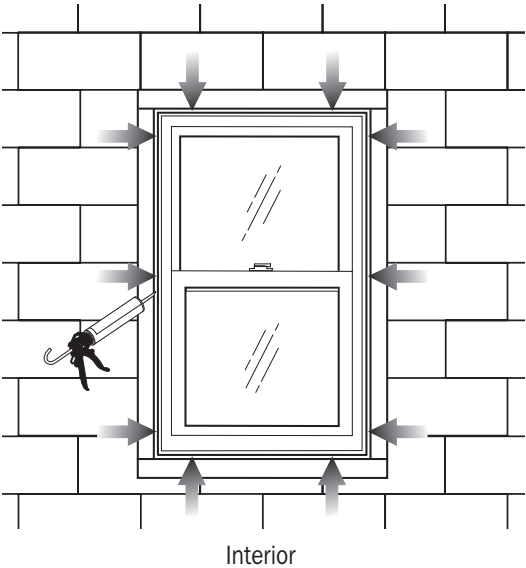
Interior

Step 19

Insulate and seal window.

Insulate between frame and rough opening on all sides from the interior.
DO NOT overpack with backer rod or overfill with foam insulation; bowed jambs may result. Insulation may expand and affect proper operation.

Complete the interior air seal with backer rod and sealant or minimum expanding foam around the entire interior of the window.



CAUTION

When insulating between unit frame and rough opening or between units when joining, **DO NOT** overfill with minimum expanding foam or overpack with backer rod. Bowed jambs will result affecting product performance and/or proper operation of unit.

Step 20

Finish interior and exterior.

Finish interior and exterior as appropriate.

NOTICE

A minimum of 1/4" is required around exterior perimeter of unit between frame and siding not including "J" channel or masonry flange. Masonry/Brick Veneer installations require a minimum 1/2" space along sill and 1/4" space around the remaining perimeter.

The space between the masonry/brick veneer should be finished with backer rod and sealant.

888-504-0005
www.AmericanCraftsmanWindows.com

Installation Guide
Non-Impact & Impact Resistant Masonry Flange Windows