

Installation Instructions



IMPORTANT

To Install Geometrics Windows you must locate all and mark all stud locations prior to cutting the interior wallboard. You must use a stud finder with an electrical wire sensor. Do not cut into the wall without locating all obstacles in the area of the window placement. Also check the exterior location of the windows for obstacles. If you are unsure about any obstacles please call a professional contractor and/or certified electrician before cutting.

WARNING

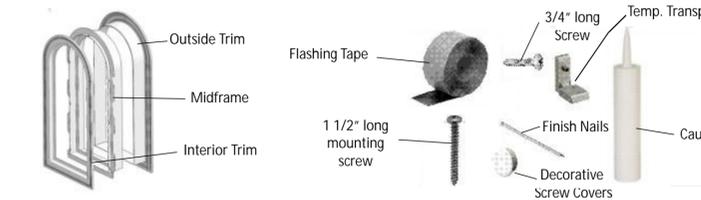
- Σ Compromising or cutting an electrical wire could cause severe injury or death.
- Σ Compromising or cutting an electrical wire could cause a fire within the wall.
- Σ Obstacles may include electrical wiring, forced air ducting and piping.
- Σ Remember to use appropriate personal protective equipment.
- Σ If a ladder is required to reach access to the openings be sure to follow the ladder manufacturers safety precautions.
- Σ It is recommended that a second person assist in the installation, particularly when a ladder is needed to access the window openings.

CAUTION

- Σ Conditions unique to your project including but not limited to building design, building materials, construction methods, and site conditions could alter the method in which Geometrics Window are installed and may require steps not included in these instructions. It is the responsibility of you, your architect or construction professional to determine the proper installation.
- Σ Be sure to follow all applicable building codes and permitting requirements.

Before you begin:

1. Read all instructions carefully before you begin actual installation.
2. Carefully remove the window from the box and inspect for damage. Remove and identify the following items included in the box as they will be required for installation:



3. Remove but do not discard the screws that fasten the Outside Trim Piece to the Midframe. Attach the Temporary Transport Clips (one on each side) to the Midframe they will be removed in later steps.

4. Note that additional steps are required when multiple windows are mullered together. When multiple windows are installed, begin with the center window and work your way out from the middle. When installing multiple windows, it is recommended that you follow steps to install all Midframes, and then follow steps to install all outside trim pieces, and then follow steps to install all interior trim pieces. This will ensure that all windows align and fit properly.

Recommended Installation Tools:



1. 4 foot level
2. Tape Measure
3. Phillips Screwdriver
4. 1/2" drill bit 7" long
5. Hammer
6. Caulking Gun
7. Masking Tape
8. Nail Set
9. Jig Saw
10. Electronic Stud Finder
11. Hand Drywall Saw
12. Utility Knife
13. Drill
14. Straight Edge
15. Safety Glasses
16. Pencil
17. Combination Square
18. Siding Removal Tool
19. Siding Snips
20. Sandpaper Block



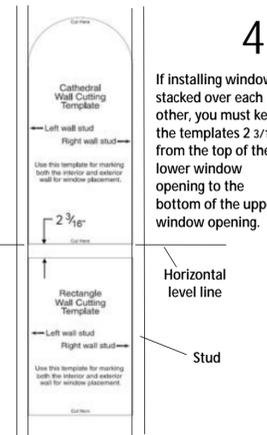
Using a stud sensor with an electrical wire sensor mark all stud positions. (You must have at least 14 between each stud.)



Draw vertical lines using a long level that will locate each edge of the studs. Also draw a horizontal level line for the bottom of the window. The horizontal line should be 2" above where you want the bottom of the Inside Trim to be.



Using the template marked on the box, align the template between the stud lines and transfer the outline to the wall.



Using a manual drywall saw cut out along the outline marked on the wall, and remove wallboard. Use caution when cutting as obstacles such as wires could be located in stud cavity. If possible remove a small area and inspect for obstacles. Be sure to remove enough wall board material to be flush with the studs.



Cut away the insulation between the interior and exterior wallboard and remove. Use extreme caution and disconnect power if any wires are present.



Using a 1/2" drill bit at least 7" long, drill a hole in each bottom corner through the outside wall board and through the exterior siding. These holes will be the bottom corners for the exterior cutting template. If installing multiple windows, repeat steps 1-6 for each window.



Using a reciprocating saw cut along the outline and remove the siding and exterior wall board. If installing multiple windows repeat as necessary.



Remove all the siding around the window openings at least 6" from the opening. When installing multiple windows, the siding between the window openings must be removed.



Apply a 1/4" bead of caulk around the entire edge of the window opening



At the bottom of the window opening, draw a vertical line 3" long indicating the center point of the stud cavity. Place the Mid-Frame assembly into the opening. On the front of the flange at the bottom of the window is a vertical line. Align this molded reference line with the 3" line you just drew.



Place the Midframe in the opening. There is a tab on the backside of the flange that keeps the Window up and off the exterior sheathing. Center the Window left to right and install a 1 1/2" mounting screw in the bottom center of the flange closest to the tab. Level the window and install the rest of the mounting screws.



By aligning the saw tooth flanges of the Midframes, windows will align side to side within each stud cavity. Start installing windows from the center location and work your way out until all Midframes are installed.



On the exterior side of the wall draw a level horizontal line at the bottom edge of the holes you drilled thru the exterior siding. Align your template to the lower horizontal line and drilled corner holes and transfer the template outline to the siding. Be sure template is level and plumb. If installing multiple windows repeat for entire layout.



When installing windows next to each other, the outside trim pieces will need to be trimmed to obtain proper fit. A rib is molded into the back side of the trim piece for guiding the cut. Detailed pictures, cut diagrams and mulling videos can be found at the end of the instructions and on the website.



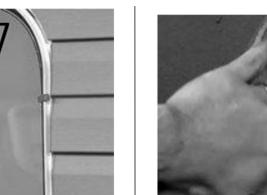
Attach trim pieces with 3/4" long #8 screws until snug. Outside Trim piece should cover siding. Repeat for all windows.



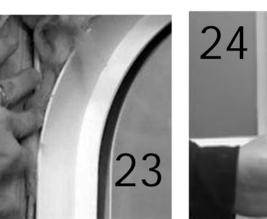
Starting at the bottom of the window, place flashing tape over mounting flange and secure to sheathing. Work vertically until all flanges are covered. When installing multiple windows, sections of tape between windows will have to be split in half lengthwise. If unsure please refer to installation details on website.



Replace any siding that was removed. There should be slight clearance between the siding and the protruding window. Use snips to trim siding if necessary.



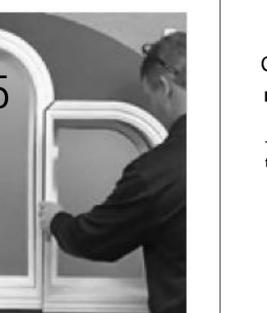
Remove temporary transporting clips. If not installing multiple windows proceed to step 20



Fill all voids between the Midframe jamb extension and the studs. Insulation should be lightly packed for best performance. For multiple windows repeat as necessary. For single window installation proceed to step 25



Interior Trim pieces also have guide ribs molded on backside. Use hand saw to cut Interior Trim to proper size. Sand edges if necessary to remove rough edges. If necessary refer to pictures at the end of instructions or website for detailed cutting information.



Interior Trim pieces should fit flat against the wall. Small gaps between trim pieces can be filled with supplied caulk.



Place Interior Trim piece over Midframe jamb extension. The trim piece should fit flat against the wall.



Secure Interior Trim piece with finish nails supplied. Repeat for other windows if multiple installation.



Using a caulking gun and the silicone supplied, fill the gap between the Mid-Frame and the Interior Trim at the midpoint of the jamb extension. Also fill any nail holes.

Congratulations! This completes the installation steps for installing Geometrics Windows. Please visit our website for more information, ideas and news regarding Geometrics. [www. GeometricsWindows.com](http://www.GeometricsWindows.com)

For detailed videos on installation and trim cutting when mulling, please to our website at www.GeometricsWindows.com

The polymers used for the interior portions of Geometrics Windows are paintable. Geometrics Windows are thermally tested by an independent laboratory for thermal performance to NFRC standards.



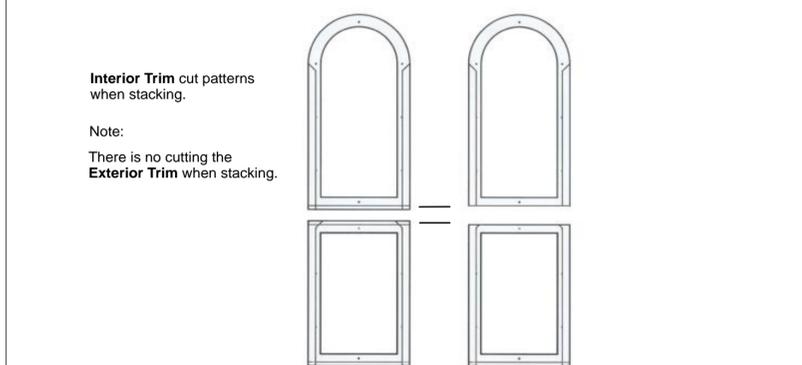
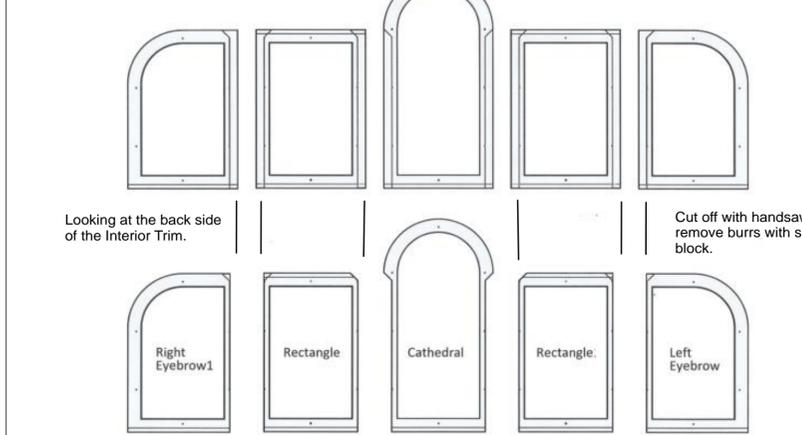
Exterior side of the wall.

Interior side of the wall.

Cutting the Interior and Exterior Trim when mulling.

Interior Trim cut patterns when mulling side to side.

These mulling side to side cut patterns are the same for the Exterior Trim.



Interior Trim cut patterns when stacking.

Note: There is no cutting the Exterior Trim when stacking.

