vinylmax windows

Patio Door Instructions

Trends (Vista)
Elegance (High Pointe)

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TOOLS NEEDED: Screw Gun | Square | Level | Putty Knife | 3/8" Counter Sink bit | Phillips-Head Screwdriver

TRENDS NEW CONSTRUCTION PATIO DOOR INSTALLATION INSTRUCTIONS

FOR PROPER INSTALLATION & SAFETY

1. Use professional installers if possible. A minimum of two people are required to handle door
2. The door must be installed plumb, level, and square to perform to manufacturers specifications. The sill, head and jambs must be straight, not bowed, after installation.

REQUIRED MATERIALS

1. Shims (plastic or composite)
2. Flashing-9" mechanically-attached (MAF) or Self-Adhering Flexible flashing (SAFF) that meets ASTM-D779
3. Compatible sealants - silicone or compatible sealant with the water resistive barrier (WRB)
4. Use only non-corrosive fasteners

MEASURE OPENING (BEFORE REMOVING OLD DOOR, IF REPLACEMENT)

1. Opening should be 1/2" wider and 1/4" - 1/2" taller than actual size of door (not including nail fin)
2. Verify structural integrity of opening
3. Make sure floor on which the patio door will set is flat, level and clear of debris
4. Check opening for square, level, and plumb

PREPARE OPENING

When installing a new construction door, the preparation of the opening and understanding how the water resistive barrier (WRB) will be installed is crucial. Pre-installed WRB method is preferred. Roof should be loaded prior to door installation.

1. Cut WRB with a "modified-1" patterned and fold the excess WRB into the opening using staples
2. Cut flap at head to accommodate window flashing tape
3. Apply sill flashing: sill flashing length should be: Width Rough Opening + (2x Flashing Width). For example, 6068 Rough opening = 72" based on basic MAF minimal 9" width 72+(2x9")=90"
4. When using mechanically attached flashing, you must use sealant and nails/staples where the flashing meets the edge of the rough opening.

PREPARE DOOR

1. Remove packaging and handle parts package from door
2. Remove the shipping supports from the fixed side jamb (wood or corrugated attached to fin)

INSTALLATION OF DOOR

1. Apply a continuous double bead of sealant on the bottom of the sill to make contact with the floor (to stop water penetration from outside)
2. Apply a continuous 3/8" bead of sealant around the entire nail flange in line with the installation holes
3. Place door in opening with 1/4" clearance on each side and lightly nail the door in one top corner to temporarily secure the door in place
4. Level, square, and plumb door in opening (side to side and front to back) use shims to keep frame square and centered
5. Fasten the corners of the nailing fin with corrosion-resistant nails long enough to penetrate at least 1" into the wood frame; do **NOT** hammer all the way in until step 6 is complete.
6. Recheck frame for square and plumb. One way to check is to close the operating panel to within 1" of the closed position - there should be an equal reveal between the panel and the frame all the way from the top to bottom
7. Install handle sets and lock panel closed against frame to keep frame from bowing out while nailing frame secure
8. Nail through at least every other installation slot in the nail fin to complete installation
9. Use exterior grade flashing tape, first on the jambs covering the fins and adjacent wood opening all the way to the top of the door and then across the top nail fin overlapping the jamb tape.

INSTALLATION OF FLASHING

1. Applying jamb flashing:

   Jamb flashing length: Height Rough Opening + (2x Flashing Width) -1"

   Example: 6068 rough opening = 80" Using basic MAF minimal 9" width

   80"+(2x9")=97"
2. When using mechanically-attached jamb flashing you must use sealant and nails/staples where the flashing covers the nailing flange to seal it permanently to the flange.
3. Applying head flashing:

   Wide Rough Opening + (2x Flashing width)+2"

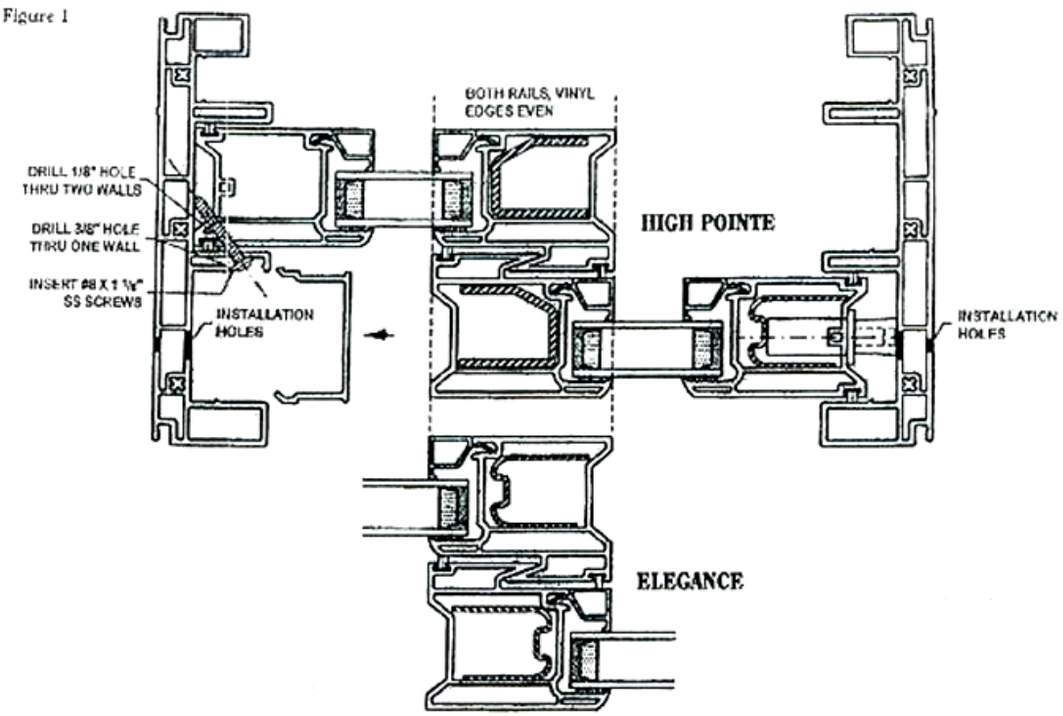
   Example: 6068 rough opening = 72" Using basic MAF minimal 9" width

   72"+(2x9")=92"
4. When using mechanically-attached head flashing, you must use a continuous bead of sealant and nails/staples at the flashing top and across the nailing flange where the head flash covers the nailing flange
5. Lay over the WRB flap and tape the diagonal cuts to protect the door in the weather board fashion

INSTALLATION OF SCREEN

1. Install screen door into frame by inserting top of screen door into exterior screen track and lifting upwards, nest bottom of screen door into screen track. Screen door roller height can be adjusted with screws located above each roller.

Figure 1



HIGH POINTE & ELEGANCE PATIO DOOR INSTALLATION INSTRUCTIONS

PREPARE THE FRAME

1. Remove the wrapping materials and discard
2. Hardware pack is wrapped to frame

INSTALLATION OF FRAME

1. Clear the rough opening (R.O.) of dirt and debris. Locate the floor area where the new door sill will sit and put a heavy bead of silicon on that area so that air and water will be blocked from entry under the new door. **This is important.**
2. Set the frame into the R.O. directly on top of the silicon. Using shims 10" up or down the jamb from the corners (figure 1) center the frame, plumb the jambs, level the sill, and make the frame diagonally square.
3. Snug the shims between the R.O. and the frame and put a #8 x 2.5" SS screw into the jambs through the shims, and into the sub-frame of the R.O. at each corner of the frame. Trim the shims even with the edge of the frame.

INSTALLATION OF OPERATING PANEL

1. NOTE that:
   a. The operating panel will always travel in the track closest to the inside of the house.
   b. The glazing beads holding the glass in the panel will face the outside in both panels.
   c. The lock is already installed in the operating panel and will engage the keeper at the frame jamb.
2. Install the operating panel in the frame by standing outside the house with the panel and lifting the top of the panel into the pocket of the head closest to the inside of the house. Swinging the bottom over the sill track and gently sit the rollers on top of the sill track (figure 2).
3. Test that the panel rolls freely and adjust the height of the rollers by inserting a Phillips-Head screwdriver in the end of the panel and turning clockwise to raise the panel. The panel should be equal distance from the top and bottom and the notched out end of the interlock should be the same distance from the parting stop in the head and the sill.

INSTALLATION OF FIXED PANEL

1. Put the fixed panel build up (figure 2) in the frame sill in a position opposite of the position of the operating panel.
2. Install the fixed panel in the same manner as the operating panel.

SLIDING PANELS INTO POSITION

1. The operating panel is simply rolled into its proper position with the lock against the jamb.
2. Prepare to attach the fixed panel to the jamb as follows:
   a. See figure 1. Select a point on the fixed side jamb 1/3 down from the top and 1/3 up from the bottom
   b. Drill a 1/8" hole as shown in figure 1 in both selected spots through two walls
   c. Drill a 3/8" hole as shown in figure 1 in both selected spots through one wall only
3. The fixed panel is now pushed toward its proper position until the aluminum build up is exposed at the bottom. The aluminum build up is then slid over and under the fixed panel. Repeat until the fixed panel is completely in the jamb pocket and the build up is completely under the fixed panel.
4. At this time, close the operating panel and make sure that the interlocks engage properly and that the vertical vinyl edge of the interlock rail of both the operating and fixed panels are even with each other on both sides (figure 1). Roll the operating panel open about 1" and make sure all reveals are even from top to bottom. Open about 3" and repeat.
5. Snap on the two threshold to cover the sill pocket and the head pocket next to the fixed panel.
6. Attach the fixed panel to the jamb by inserting a #8 x 1 1/8" SS screw into each of the two holes drilled in procedure 2B above and screwing them into the panel as shown in figure 1.

SHIM FRAME HEAD

When panels are installed, shim the frame head between the R.O. and frame until the head is level across the top. The distance between the frame head and the edge of glass should be even across the entire door.

ADJUST OPERATING PANEL

Roll panel back and forth to check for smooth operation. Make sure all reveals are even and all perimeter weatherstrip is concealed. The rollers can be adjusted as necessary.

INSTALLATION OF TRIM PIECES

1. Insert hole plugs in frame installation holes. If countersinking with 3/8 counter sink bit.
2. Cover screws by snapping trim piece AC16 into the fixed side jamb as shown in figure 1.
3. Insert stops in sill and head at the jamb on the fixed panel side. This will stop the movement of the operating panel before the handle hits the fixed panel.

ATTACH HANDLE SET & KEEPER

1. According to directions provided with handle.
2. Snug shims between the R.O. and the frame behind the keeper to keep the 2 1/2" SS keeper screws from distorting the jamb while installing the keeper.

INSTALLATION OF SCREEN

1. Insert screens into the outside track provided in the frame.
2. Adjust the wheels on the top and bottom of the screen to achieve a smooth glide.

FINISH INSTALLATION

Finish the installation by covering the gap between the R.O. and the door frame on the outside to prevent air and water from entering this gap, and finishing the inside as required.

HANDLE INSTALLATION

1. Make sure that the door rollers are adjusted so that the moving panel is square with the jamb.
2. Secure the lock in the door stile with the provided screws.
3. Insert the thumb turn lever into the hub of the mortise lock, as shown.
4. Insert screw bushings onto Escutcheon plates (if supplied).
5. Place the inside handle against the door while holding the thumb and turn into the slotted hub of the mortise lock. Align the mounting holes of the outside pull with the inside handle and install the provided screws.
6. Install the keeper on the jamb with the provided screws. Adjust the keepers for maximum engagement with the lock.
7. Close the door, operate the lock, and check that it latches properly.