

# Vivid Outswing French Door

## Knock Down (KD) Installation Instruction

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### ***Abstract***

**Please read these instructions in their entirety before beginning to install your Vivid Door product.** These installation instructions demonstrate the installation of an Vivid door in new wood frame construction using an industry approved water management system. For installation using other construction methods, such as remodeling, replacement, and recessed openings refer to ASTM E2112-07, “Standard Practice for Installation of Exterior Windows, Doors and Skylights,” for installation suggestions. The same information for ASTM E2112 can be found on the ASTM website, [www.astm.org](http://www.astm.org). Regional standard practices, environmental conditions, and codes may vary and supersede the procedures contained within. The responsibility for compliance is yours: the installer, inspector, and owner(s).

### ***After Market Products***

Alterations to Vivid products including films, insulating or reflective interior window treatments or additional glazings can cause excessive heat buildup and/or condensation. They may lead to premature failures not covered under warranty by Marvin Windows and Doors.

Before purchasing or applying any product that may affect the installation or performance of Vivid doors, contact the manufacturer of after market product/glazings that are not supplied by Marvin and request written product use, associated warranties and damage coverage. Provide this information and warranties to the end user and/or building owner for future reference.

***This instruction is applicable to units produced after September 29, 2025.***

***NOTE: Numbers listed in parentheses () are metric equivalents in millimeters rounded to the nearest whole number.***

## **WARNING!**

This product can expose you to chemicals including titanium oxide, which is known to the state of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## **WARNING!**

Older homes may contain lead-based paint, which may be disturbed when replacing windows or performing renovations. Consult state or local authorities for safe handling, disposal, or abatement requirements. For information, go to [www.epa.gov/lead](http://www.epa.gov/lead).

*NOTE: Please consult with local waste management authorities regarding proper disposal and/or recycling of all waste materials generated during installation, including any product being replaced, packaging materials, and other waste.*

## **WARNING!**

This product can expose you to chemicals including methanol, which is known to the state of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## **WARNING!**

Always practice safety! Wear the appropriate eye, ear, and hand protection, especially when working with power tools.

*NOTE: All images are for illustrative purposes only. Images are meant to enhance understanding and are not necessarily exact representations of the unit.*

### **You Will Need to Supply**

- Safety glasses
- Hearing protection
- Caulking gun
- Mallet
- Drill
- Phillips #2 screwdriver
- Phillips #2 bit
- 1/8" drill bit
- Step ladder
- 25' tape measure
- Utility knife
- Wood support blocks
- Level and/or laser
- Wood shims
- 2" roofing nails (for nailing fin installation)
- Insulation
- Perimeter sealant
- Sill panning
- Backing material (foam backing rod)
- Low expansion foam insulation
- Flashing materials
- Weather resistive barrier
- 5/32" hex key
- String line
- Suction cups
- Lifting equipment

# Frame Assembly

1. Insert corner keys into side jambs. See Figure 1.

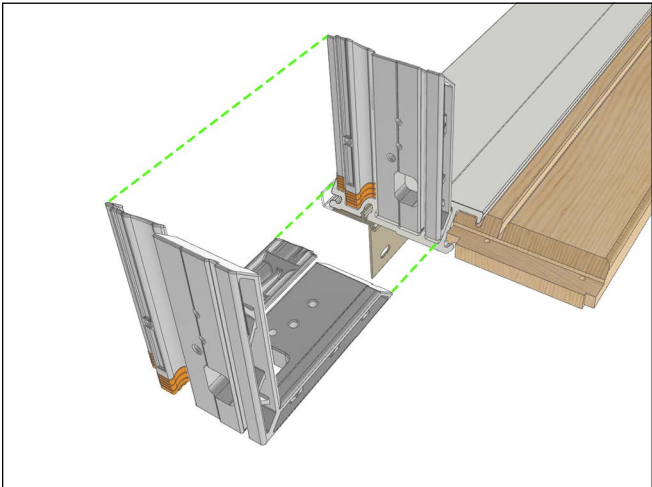


Figure 1

2. Fasten the side jambs to the head jamb. Do not over tighten miter joint. See Figure 2.

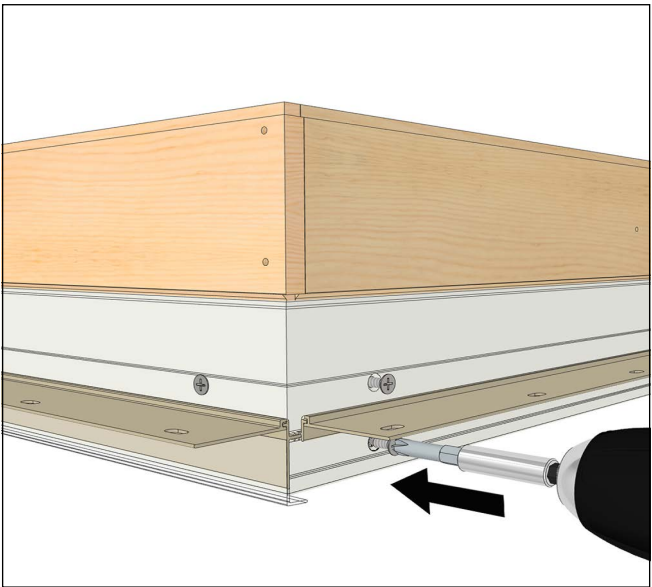


Figure 2

1	Four per side- #8 x 1/2" Flat head screws
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3. Head jamb liner is pre-drilled, fasten with provided screws. See Figure 3.

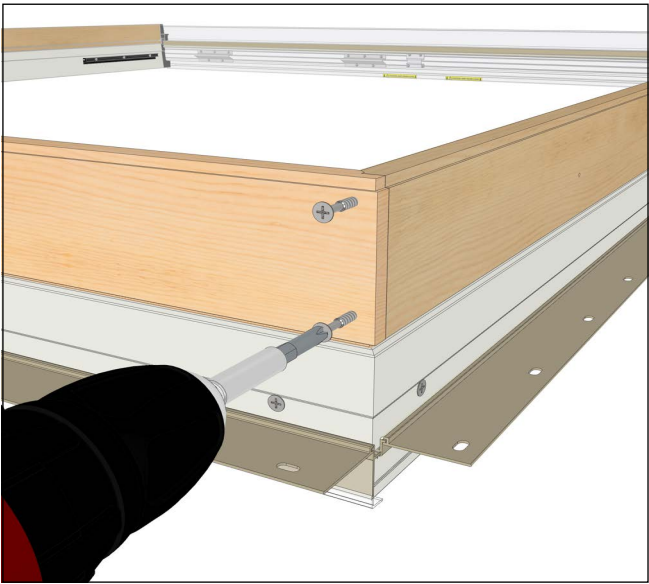


Figure 3

1	2 per side- #8 X 1-1/4" PH Flat Head
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4. Fasten the sill to the side jambs (short screws first and replace the interior sill screw with the 4" panhead). See Figure 4.



Figure 4

1	2 per side- #8 x 1/2" flat head screws
2	1 per side- #8 x 4" pan head screw

5. Inject the sill until squeeze out occurs in both locations. *Note: Inject the exterior most hole first and the interior second.* Clean up excessive silicone squeeze out as necessary. See Figure 5 and Figure 6.

**ATTENTION**

Ensure you see silicone at specified indicators to ensure proper injection and water performance.

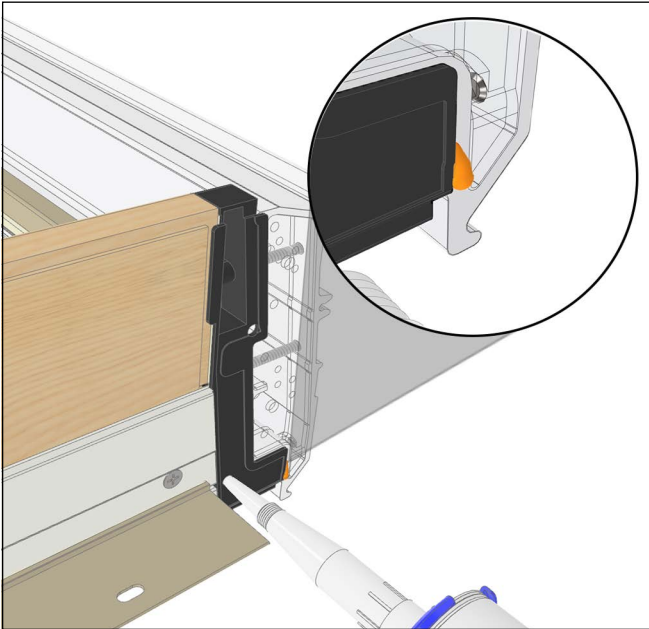


Figure 5

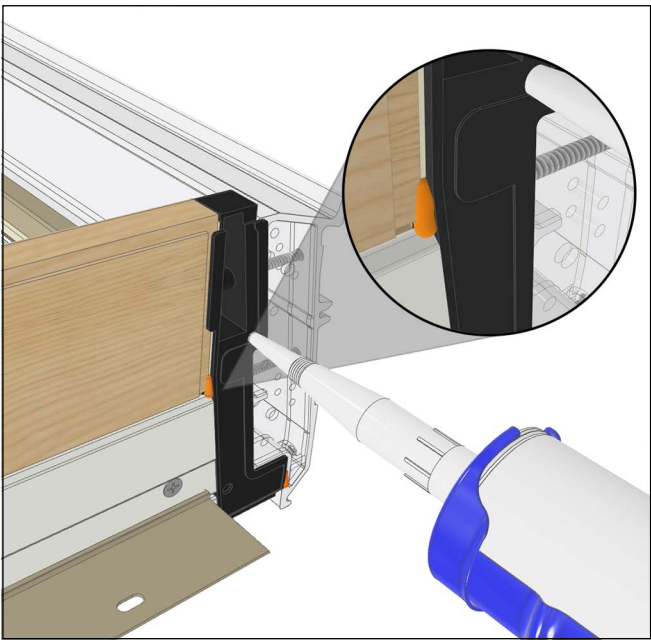


Figure 6

**Frame Installation**

Please refer to the standard and general installation instructions for rough opening prep and frame installation steps.

**Panel Installation Table of Contents**

O Panel.....5

X/XX Panels.....5

OO Panels.....6

OXR/XOL Panels.....7

XOR/XOL Panels.....8

O XO Panels.....10



## O Panel

1. Panel is tipped into place and should engage with the clip on the frame. [See Figure 7.](#)
2. See standard install instructions for panel stop installation.

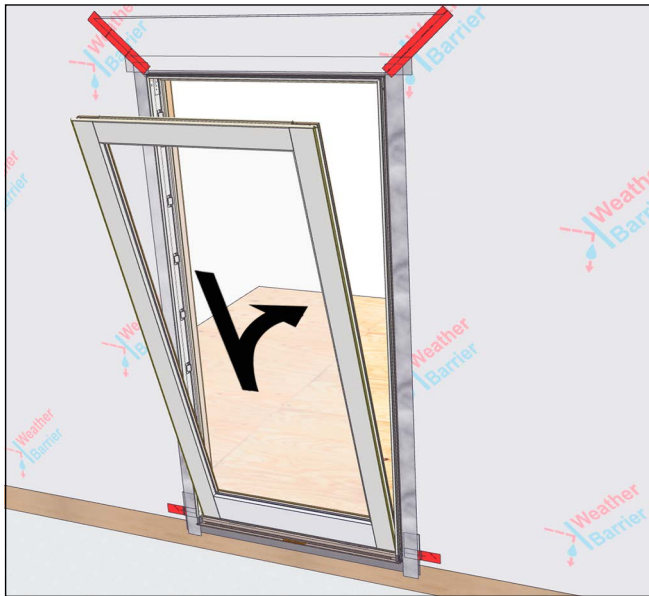


Figure 7

## X/XX Panels

1. Frame comes with hinges pre-installed. Fasten panel to frame using #4 x 2-1/2" matching screws to attach each hinge of the panel. Adjust panels for reveal and closure after install. [See Figure 8.](#)

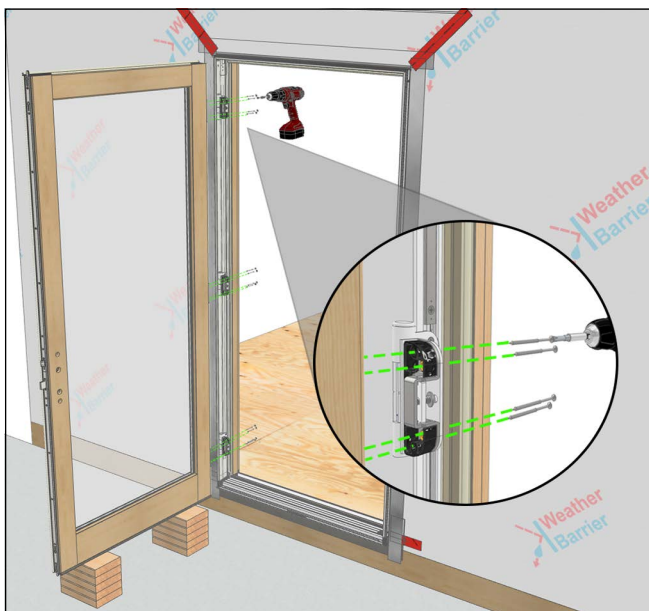


Figure 8

2. Install sill strike using sill color-matched 8-18 x 3/4" pan head screw. [See Figure 9.](#)

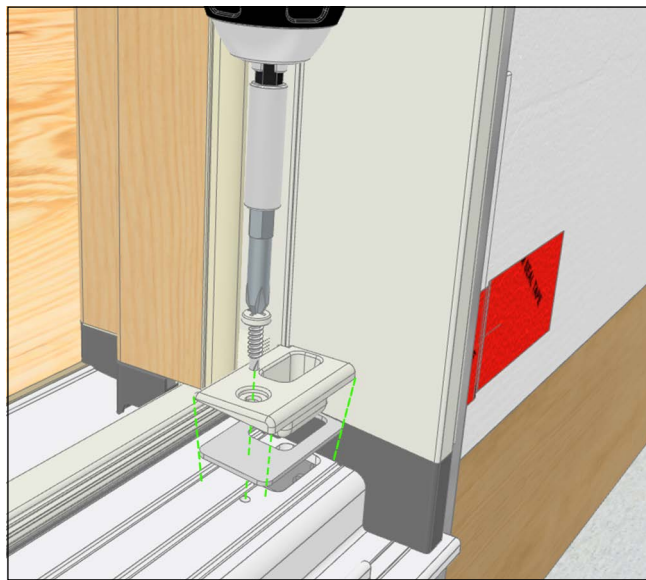


Figure 9

3. See standard install instructions for panel stop installation.

## OO Panels

1. From the exterior, place the first panel (the one with the interior astragal) on the set of sill retainers. Tip the panel towards the interior and slide it towards the opposite side until the panel engages with the jamb retainers and sill retainer. [See Figure 10.](#)

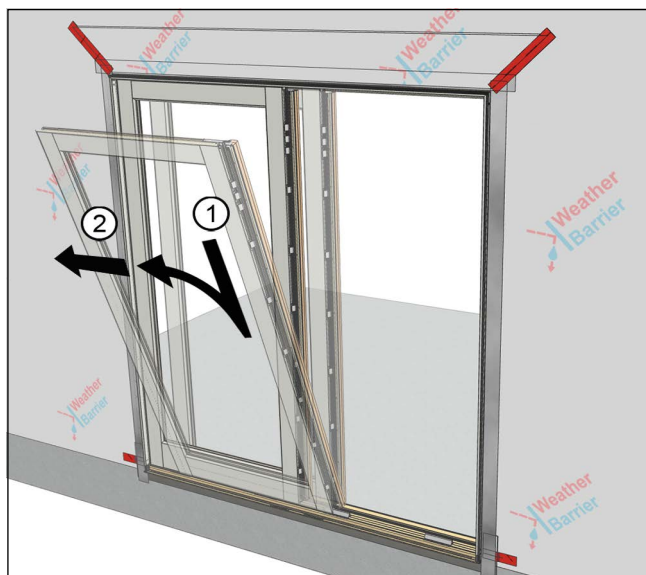


Figure 10

2. Remove one screw (pan head from the panel). See Figure 11.

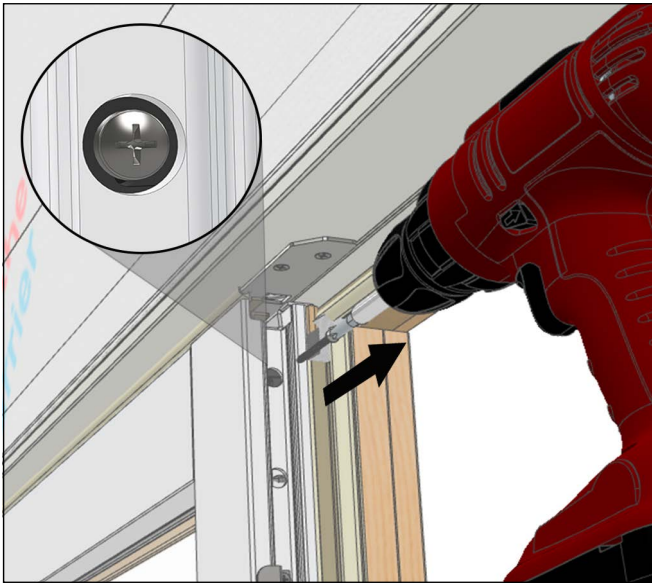


Figure 11

3. Seat the lock bar into the panel Eurogroove and up into the head jamb strike aligning top hole on lock bar to the removed screw hole already in the panel. See Figure 12. Be mindful not to overshoot the bolt as this will cause the head jamb to bow upward.

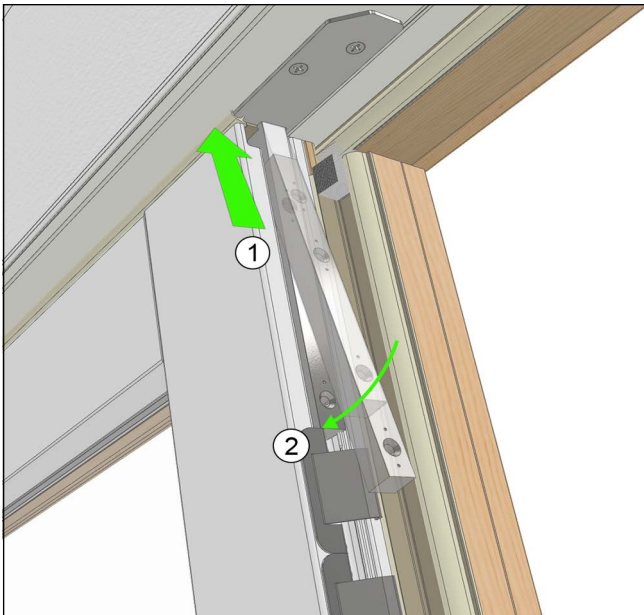


Figure 12

4. Install the 2-1/2" stainless flat head screw into the hole left by removing the panel screw. Fasten until it sits flat with the lock bar face. Drive another 2-1/2" stainless screw into the other hole until it sits flat with the lock bar face. See Figure 13.

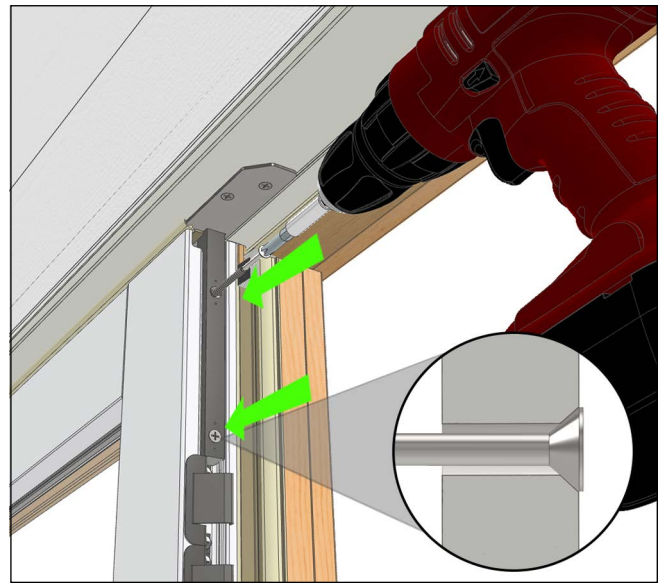


Figure 13

5. To install the second panel in an OO place the panel on the sill on top of the brackets angled toward the exterior and rotate into the opening. Clips should engage.

6. See standard install instructions for panel stop installation.

## OXR/XOL

1. Stationary panel is installed first by tipping panel in over the sill retainer and then sliding over and engaging the panel bracket into the sill retainer and jamb retainers. See Figure 14.

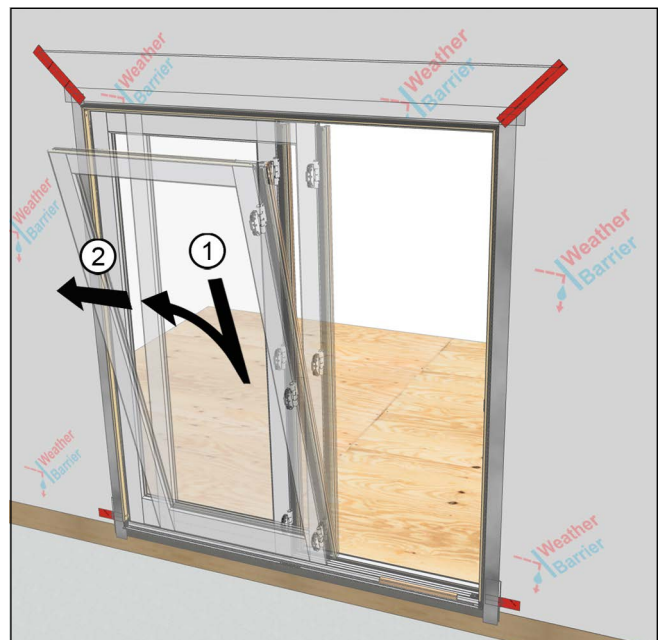


Figure 14



2. Remove one screw (pan head from each panel). See [Figure 15](#).

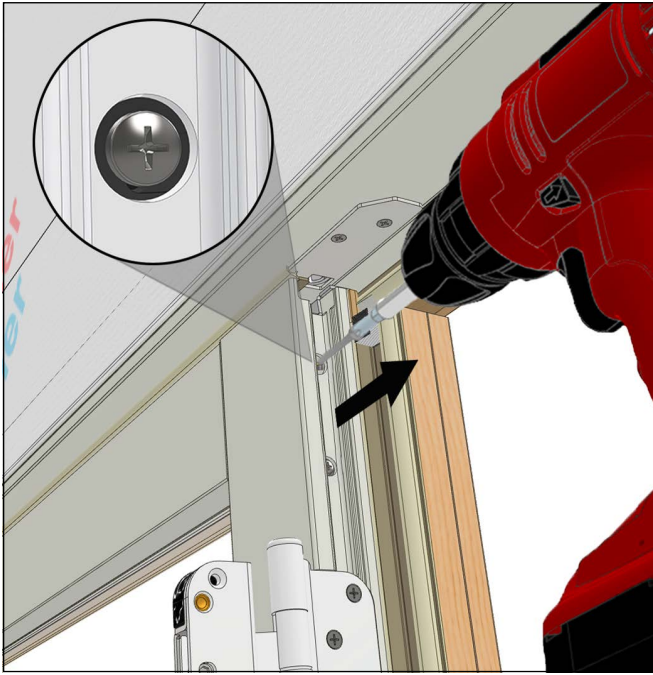


Figure 15

3. Seat the lock bar into the panel Eurogroove and up into the head jamb strike aligning top hole on lock bar to the removed screw hole already in the panel. *Be mindful not to overshoot the bolt as this will cause the head jamb to bow upward.* See [Figure 16](#).

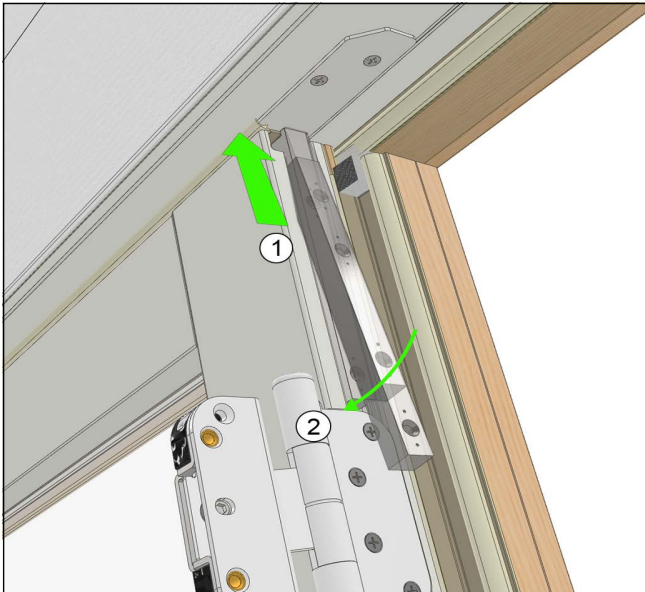


Figure 16

4. Install the 2-1/2" stainless flat head screw into the hole left by removing the panel screw. Drive until it sits flat with the lock bar face. Pre-drill and then fasten another 2-1/2" stainless screw into the other hole until it sits flat with the lock bar face. See [Figure 17](#).

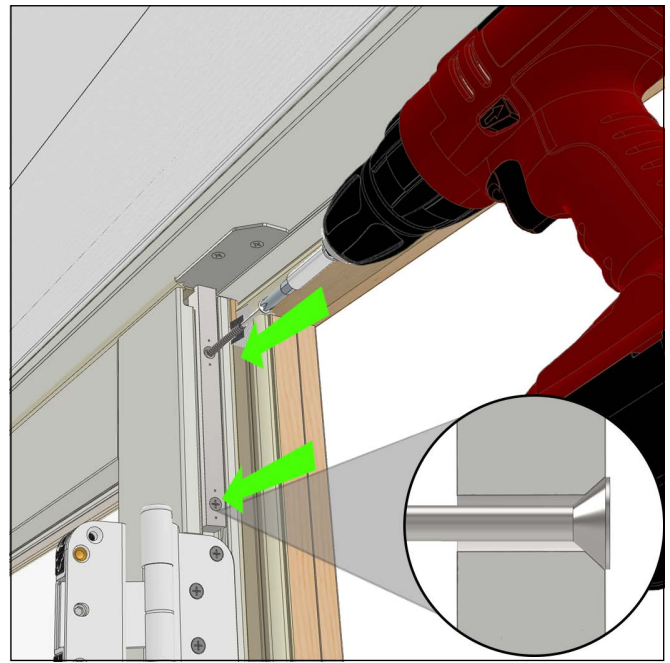


Figure 17

5. Fasten 4 x 2-1/2" matching screws are used to attach each hinge of the panel. Hinges are pre-applied to stationary panel on the swinging jamb. See [Figure 18](#)

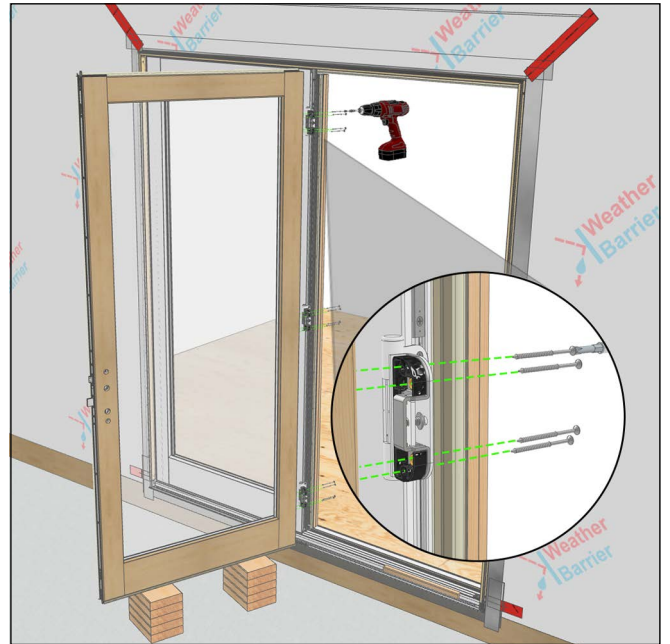


Figure 18

6. Install sill strike using sill color-matched 8-18 x 3/4" pan head screw. See [Figure 19](#)

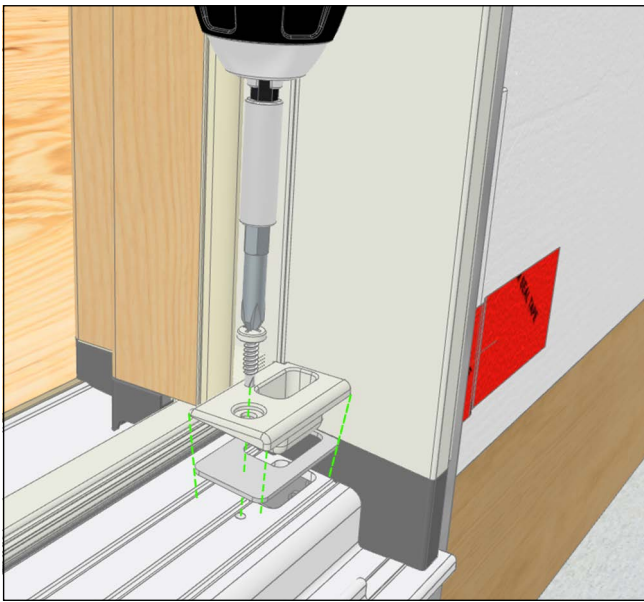


Figure 19

7. See standard install instructions for panel stop installation.

## XOR/OXL Panels

1. Ensure sill strike is not installed into the sill prior to installing the stationary panel to avoid catching stationary panels retainer bracket on the strike. See [Figure 20](#).

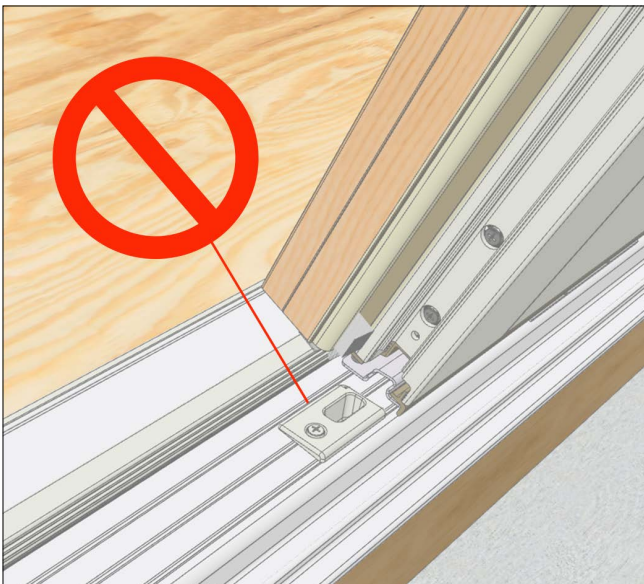


Figure 20

2. Stationary panel is installed first by tipping panel in over the sill retainer and then sliding over and engaging the panel bracket into the sill retainer and jamb retainers. See [Figure 21](#).

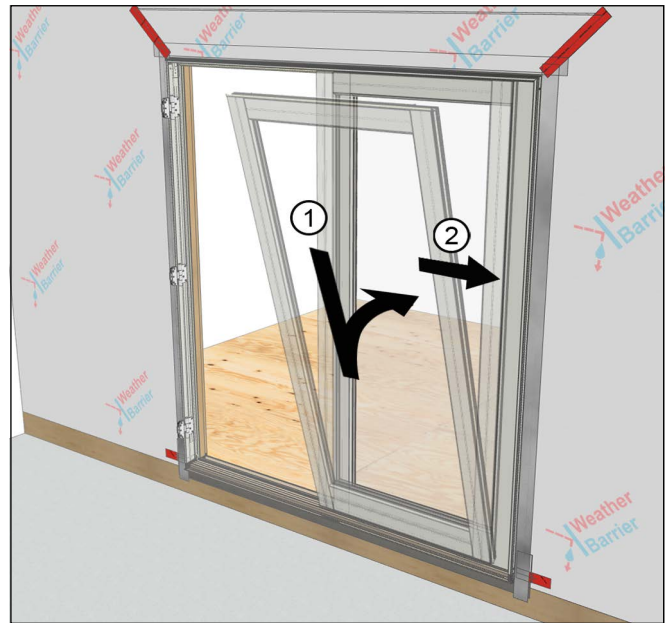


Figure 21

3. Install sill strike using sill color-matched 8-18 x 3/4" pan head screw. See [Figure 22](#).

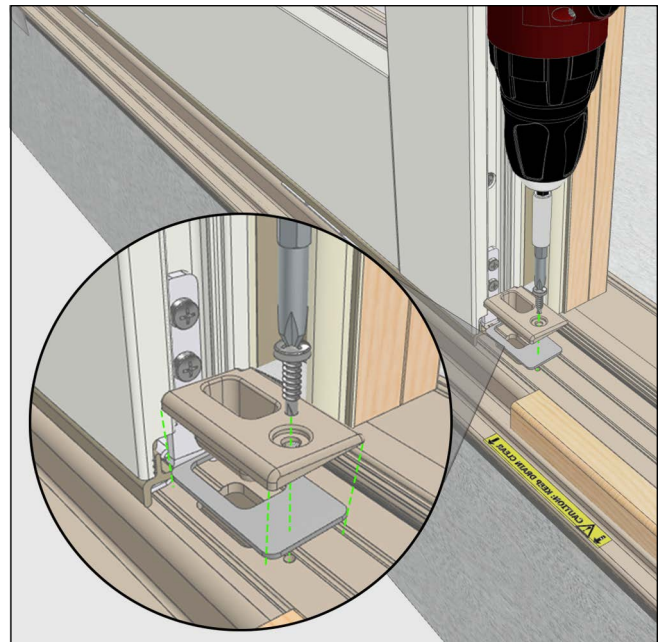


Figure 22

4. Remove one screw (pan head from each panel). See [Figure 23](#).



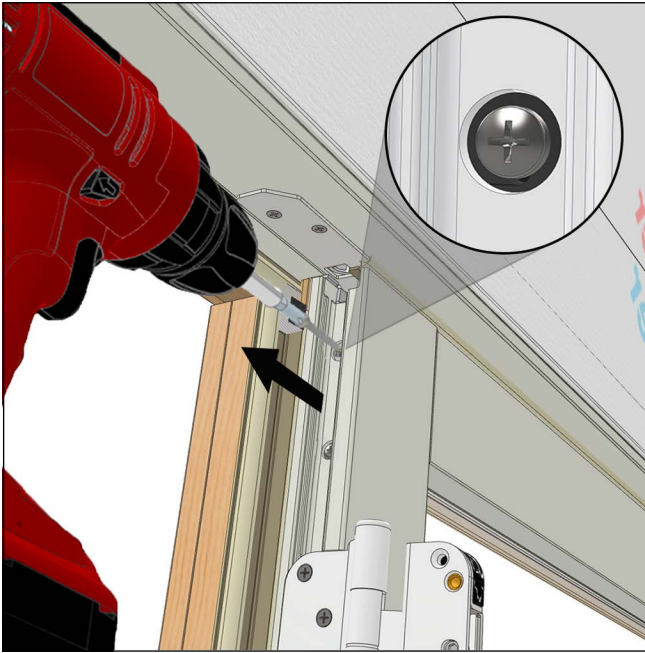


Figure 23

5. Seat the lock bar into the panel Eurogroove and up into the head jamb strike aligning top hole on lock bar to the removed screw hole already in the panel. *Be mindful not to overshoot the bolt as this will cause the head jamb to bow upward.* See [Figure 24](#).

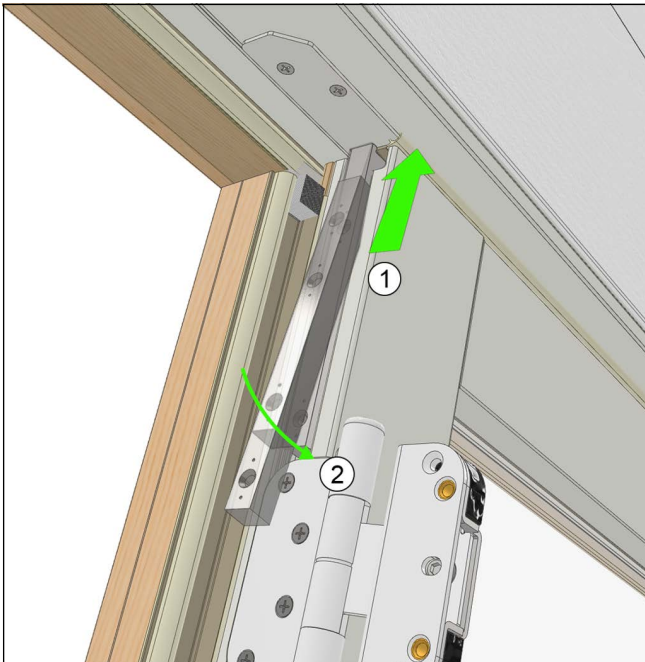


Figure 24

6. Install the 2-1/2" stainless flat head screw into the hole left by removing the panel screw. Drive until it sits flat with the lock bar face. Pre-drill and then fasten another 2-1/2" stainless screw into the other hole until it sits flat with the lock bar face. See [Figure 25](#).

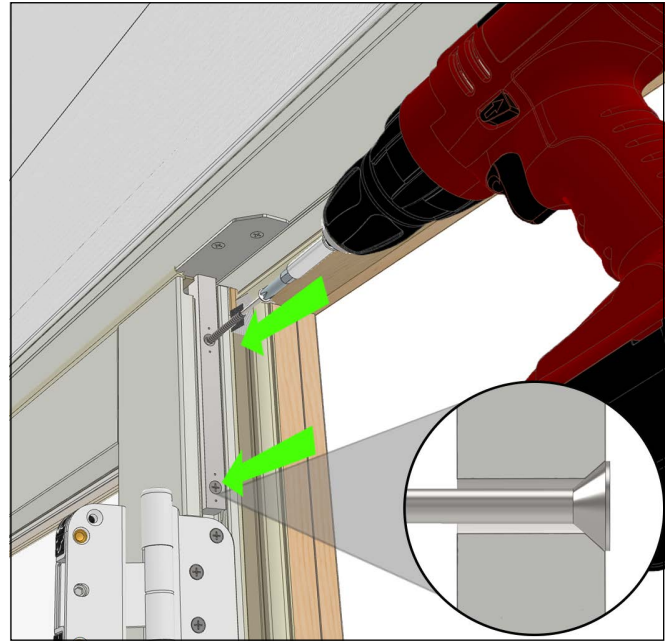


Figure 25

7. Fasten 4 x 2-1/2" matching screws are used to attach each hinge of the panel. Hinges are pre-applied to stationary panel on the swinging jamb. See [Figure 26](#)

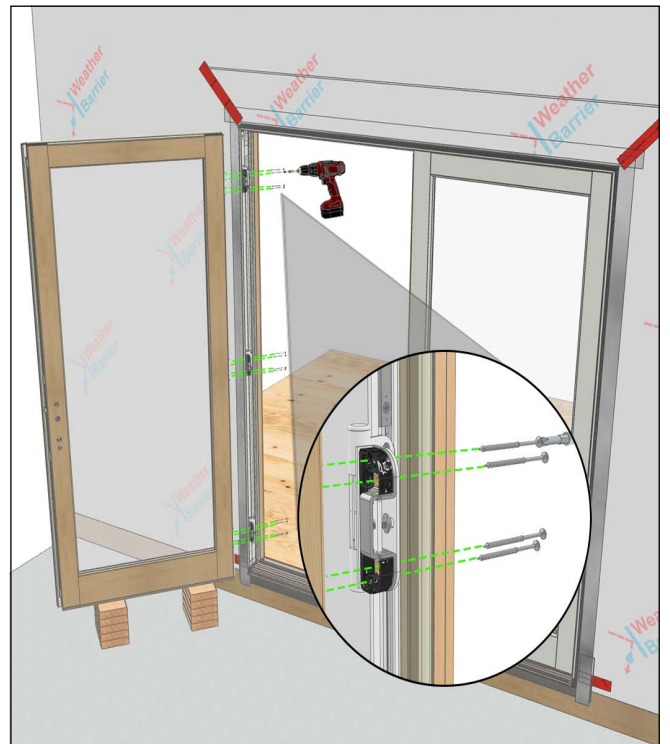


Figure 26

8. See standard install instructions for panel stop installation.

## OXO Panels

1. Ensure sill strike is not installed into the sill prior to installing the stationary panel to avoid catching stationary panels retainer bracket on the strike. See [Figure 27](#).

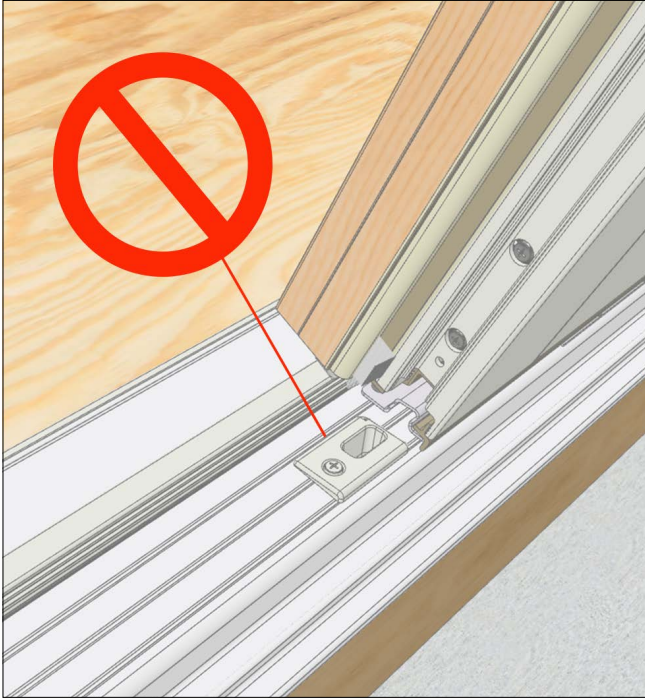


Figure 27

2. Stationary panel is installed first by tipping panel in over the sill retainer and then sliding over and engaging the panel bracket into the sill retainer and jamb retainers. See [Figure 28](#). It's recommended to install one stationary panel at a time following steps 3-5 and then repeating for the other panel.

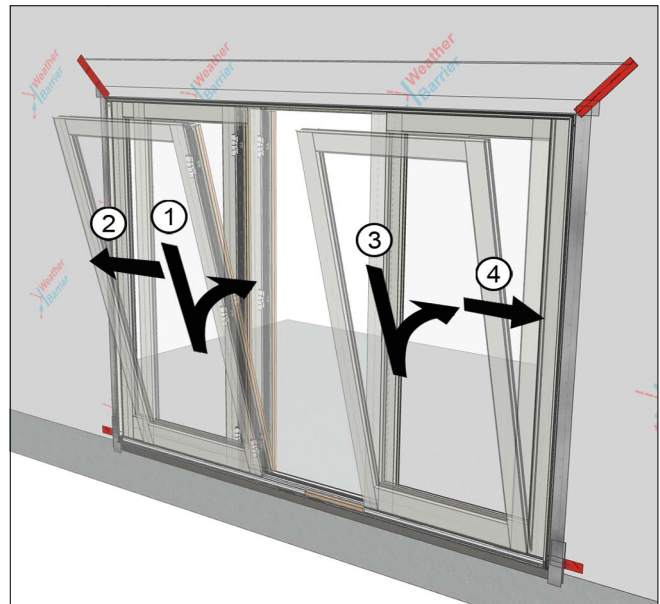


Figure 28

3. Remove one screw (pan head from each panel). See [Figure 29](#).

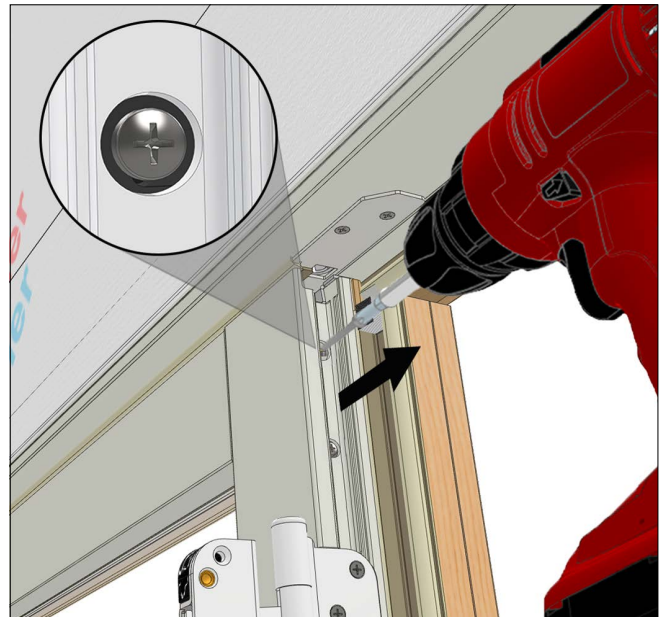


Figure 29

4. Seat the lock bar into the panel Eurogroove and up into the head jamb strike aligning top hole on lock bar to the removed screw hole already in the panel. See [Figure 30](#). Be mindful not to overshoot the bolt as this will cause the header to bow upward.



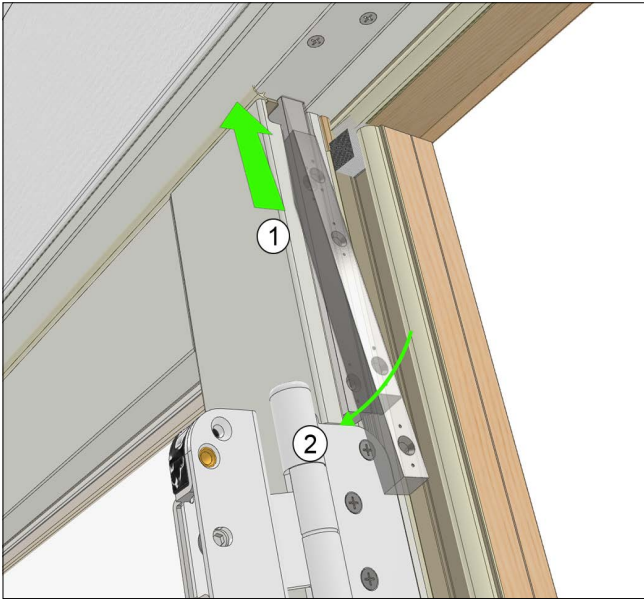


Figure 30

5. Install the 2-1/2" stainless flat head screw into the hole left by removing the panel screw. Drive until it sits flat with the lock bar face. Remove one screw (pan head from each panel). Pre-drill and fasten another 2-1/2" stainless screw into the other hole until it sits flat with the lock bar face. See [Figure 31](#).

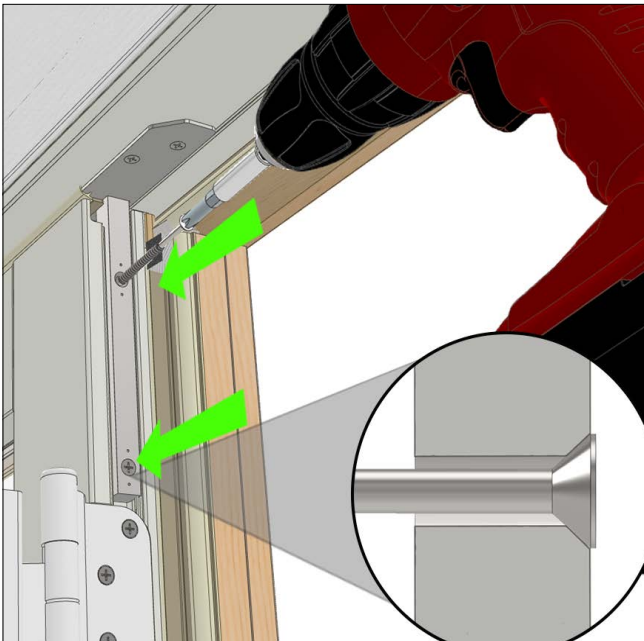


Figure 31

6. Install the sill strike using the sill color matched 8-18 x 3/4" pan head screw. See [Figure 32](#).

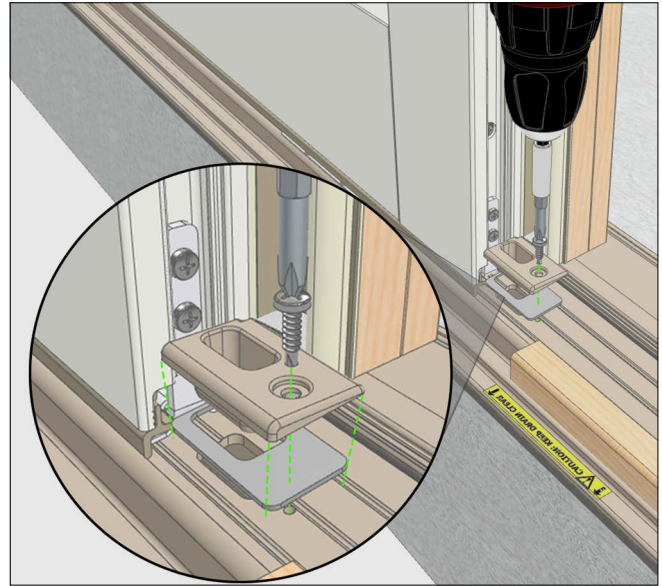


Figure 32

7. Fasten 4 x 2-1/2" matching screws are used to attach each hinge of the panel. Hinges are pre-applied to stationary panel on the swinging jamb. See [Figure 33](#).

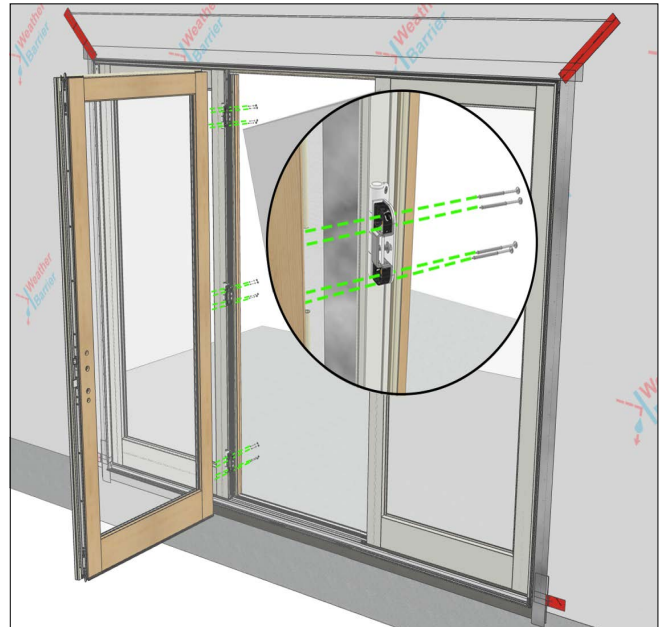


Figure 33

8. See standard install instructions for panel stop installation.

## IMPORTANT

Avoid closing the panels until panels have been installed and adjusted to avoid damage to the sill.



# Technical Installation Specifications

The following details are specified for proper installation and performance of the Marvin Door.

- Rough Opening Width: 1/4"-1" (6-25) wider than door frame outside measurement.
- Rough Opening Height: 1/4"-1/2" (6-13) higher than door frame outside measurement.
- Masonry Opening Width: 1/4"-1/2" (6-13) wider than door frame outside measurement.
- Masonry Opening Height: 1/8"-1/4" (3-6) higher than door frame outside measurement.
- Properly flash and/or seal all doors at the exterior perimeter.
- Sealants used for installation must be Grade NS Class 25 per ASTM C920 and compatible with the building exterior, door exterior surface, and flashing/water management materials.
- Construction adhesive must be APA rated AFG-01 SPEC.
- Flashing materials must comply with ASTM E2112-07, section 5.13 and be compatible with all materials used in installation including panning systems, air barriers and building papers, sheathing, and the door unit.
- The following materials were used to develop these instructions:

**Weather Resistant Barriers:** DuPont™ Tyvek® Home-Wrap or Grade D building paper.

**Flashing Materials:** DuPont™ FlexWrap or DuPont™ Straight Flash, DuPont™ Tyvek® Tape.

**Sealant:** OSI® Quad Pro-Series®; solvent release butyl rubber sealant or DAP DynaFlex230™.

- Optional foams used for installation must be low expansion only. Foam and foam application must comply with ASTM E2112-07, SEC 5.9.2.
- Fasteners penetrating chemically treated lumber must be a minimum of 0.90 oz/ft<sup>2</sup> zinc hot dipped galvanized or stainless steel type 304 or 316.
- Shim 4"-6" (102-152) from each corner, at every point of attachment, and 15" maximum on-center.