



# INSTALLATION INSTRUCTIONS

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## **SERIES 8150 | SLIDING DOOR SYSTEM**



ALL WEATHER<sup>TM</sup>  
ARCHITECTURAL ALUMINUM



## INSTALLATION QUALITY CONTROL

Performing specific quality control procedures is a critical part of completing any All Weather installation. We recommend the installer fill out the quality control sheet and file as a record of correct and complete installation.

Customer: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Installer: \_\_\_\_\_ Phone: \_\_\_\_\_

Where product was purchased: \_\_\_\_\_

Dealer Contact: \_\_\_\_\_

## RECEIVING AND INSPECTING OF PRODUCT

- ☐ Product was checked upon delivery at job site for correctness and was received as ordered
- ☐ Product was checked and free of damage
- ☐ Any damage or incorrectness was reported immediately to All Weather or the dealer where the product was purchased
- ☐ Product was stored in a dry safe place where it could avoid damage
- ☐ Hardware box contents were checked

## PRE-INSTALLATION

- ☐ General Contractor or homeowner has been consulted prior to installation of product
- ☐ Opening is configured correctly and any squaring or level issues have been identified
- ☐ Appropriate size header has been verified for use in opening
- ☐ Required - Sill pan with Rear Leg (Back Dam) has been fabricated from appropriate material and located correctly in the depth of the opening
- ☐ Overhangs and other necessary design elements are present where appropriate
- ☐ Local codes and practices are being adhered to regarding installation of product
- ☐ Problems pertaining to existing windows, doors and/or rough openings have been reported to responsible party and have been resolved and documented
- ☐ All safety issues related to unsafe site conditions and hazardous materials have been properly addressed and resolved



## INSTALLATION

- ☐ All installation materials used have been checked for compatibility
- ☐ Weather resistant barrier and flashing were coordinated with contractor or authority on site
- ☐ If Swing Series, correct orientation of system has been identified. Inswing or Outswing.
- ☐ If Slider Series (including Stacking and Pocketing Series), location of operable and non-operable panels has been checked
- ☐ If Bi-Fold Series, panel sequence has been checked from right to left, as seen from exterior
- ☐ Frame has been sealed and joined at all points indicated in instructions
- ☐ Opening checked for correct dimensions
- ☐ Frame is installed at correct depth within the opening
- ☐ Frame has been installed square, level and plumb
- ☐ Plastic shims were utilized under sill when required
- ☐ Jambs were shimmed to prevent rolling
- ☐ Head track installed with the appropriate crown over width of frame
- ☐ Installation holes prepared correctly
- ☐ Sealant was applied to sill installation holes prior to inserting screws & top of screw heads once applied
- ☐ Correct fastener placement has been followed as directed by manufacturer
- ☐ Proper operation and adjustment has been achieved
- ☐ Product was installed as directed by the Manufacturer

## FINAL CHECK OF INSTALLATION

- ☐ Frame has been checked for level, square and plumb
- ☐ All horizontal and vertical adjustments have been made so that proper reveals are present and product is operating as designed
- ☐ Weep holes have been checked and free of obstruction and debris
- ☐ All trash has been discarded
- ☐ All hardware has been installed correctly and checked for proper operation
- ☐ Product has been closed and locked and recommended to not be used as thoroughfare by other trades.
- ☐ Product is protected from damage
- ☐ Final inspection of weather proofing and operation has been performed
- ☐ Job has been turned over to contractor or other responsible party with approval
- ☐ Other \_\_\_\_\_

### IMPORTANT

All Weather recommends that installers return to site and perform a final check of installation. **Namely that the header has not sagged under structure settlement and/or weight and necessary adjustments have been made prior to installation of exterior siding/stucco and interior finishes.**

Where applicable, each of the items checked above have been properly reviewed, verified and completed as part of my field quality control check prior to turning over the job to the responsible party/approving authority.

Installer's Signature: \_\_\_\_\_ Date: \_\_\_\_\_



## THANK YOU FOR PURCHASING FROM ALL WEATHER.

### ALL WEATHER INSTALLATION AND WARRANTY INFORMATION

The following instructions are to be used for All Weather assembly and installation.

Limited warranty varies based on job type. A copy of the limited warranty and the comprehensive care and maintenance guide can be found at [www.allweatheraa.com](http://www.allweatheraa.com).

Failure to follow factory assembly, installation and maintenance instructions will void the manufacturer's limited warranty. All visible defects must be reported before installation and finishing.

These instructions are the property of All Weather Architectural Aluminum and may not be duplicated, altered or distributed for any purpose whatsoever without the express written permission of All Weather.



## THE MOST IMPORTANT CRITERIA FOR A SUCCESSFUL JOB ARE A SQUARE OPENING, A RIGID HEAD AND A CLEAN TRACK.

It is recommended that All Weather doors are installed with at least two people; one person handling the door panels and the other attaching and adjusting hardware.

The installation of your door system requires that the sill, head and jambs are perfectly straight and square. It is recommended that the head be installed with a slight bow upward (amount specified in installation instructions). The sill should be installed flat and straight, ensuring that there is no upward bowing. The frame should be checked for square and twist.

Assembly screws are provided by All Weather. Be sure to clean any metal shavings from the head track to avoid damage to the rollers.

Ensuring your frame is square, plumb, and attached properly to an adequate header will alleviate problems in the future.

Installation of flashing to ensure a proper water seal is the responsibility of the installer. Local codes and building practices should be applied.

All Weather doors require sill pans with rear leg (back dam) and recommends consultation with a water proofing consultant for an adequate drainage system.

### **\*IMPORTANT NOTICE\* – READ PRIOR TO INSTALLATION.**

An All Weather system is a specialty product that you cannot assume to be a standard installation of a typical door or window.

All Weather products should be installed with overhead protection to prevent the effects of sheeting water from above.

We recommend that a professional waterproofing consultant be used to properly integrate our products into the weather barrier of the wall structure.



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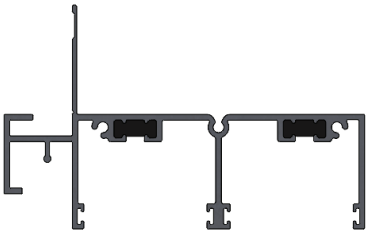
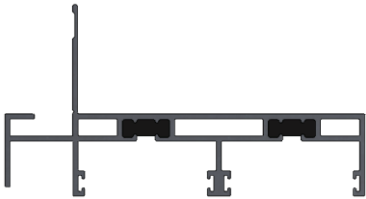
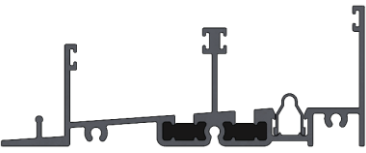
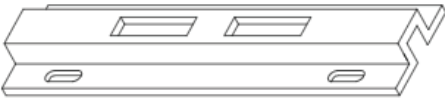
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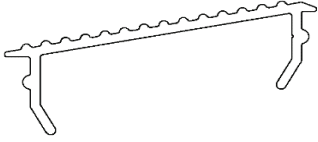
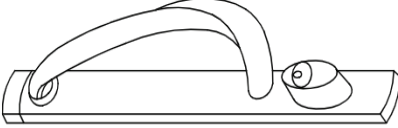
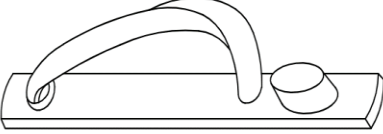
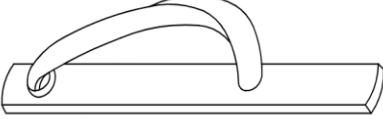


## PROVIDED ASSEMBLY FASTENERS & PARTS

PART	PICTURE	DESCRIPTION	PURPOSE
1		#10-12 x 3" Square Drive Pan Head Grade 18-8 Type A Point Stainless Steel Sheet Metal Screw	To secure the keeper onto the door jamb and building frame through 4 slotted holes.
2		#8-15 x 1½" Square Drive Pan Head Grade 18-8 Type A Point Stainless Steel Sheet Metal Screw	To fasten the door frame components together. 6 per track will be needed.
3		#10-16 x 1" Square Flat Head Crypton Finish 410 Stainless Steel Self-Drilling Screw	#10-16 x 1" Square Flat Head Crypton Finish 410 Stainless Steel Self-Drilling Screw
4		Nail-Fin Corner Adapter	To connect the nail fins on the jambs to the nail-fin on the head to allow for a better seal on the exterior corner.
5		Head Track	To house, provide a seal, and guide the top of the panels.
6		Jamb Track	To collect panels and provide a seal for panels when in the closed position. The keeper will be mounted on the inside of the jamb.
7		Sill Track	Frame sill member. To provide a weight bearing member and track for the panel rollers to travel on.
8		Keeper	To provide the panel hooks on panels channels to lock into, to keep the panel secured into the frame.



## PROVIDED ASSEMBLY FASTENERS & PARTS

PART	PICTURE	DESCRIPTION	PURPOSE
9		Trim Cap	To cover and protect the track pockets on the jambs that will not be used by the panels.
10		Threshold	To cover and protect the track pockets on the sills that will not be used by the panels.
11a		Pull Handle Keyed	To provide a way to open and close a panel easily that also allows for the panels to be locked/unlocked by a key. The latches can be engaged/disengaged by rotating the thumb turn.
11b		Pull Handle with Thumb Turn	To provide a way to open and close a panel easily. The latches can be engaged/disengaged by rotating the thumb turn.
11c		Dummy Pull Handle	To provide a way to open and close a panel easily.



**Note:** Opening should be flashed with the appropriate flashing material to meet industry standards. Please refer to Federal Specification UU-B-790a and AAMA 2400-02.

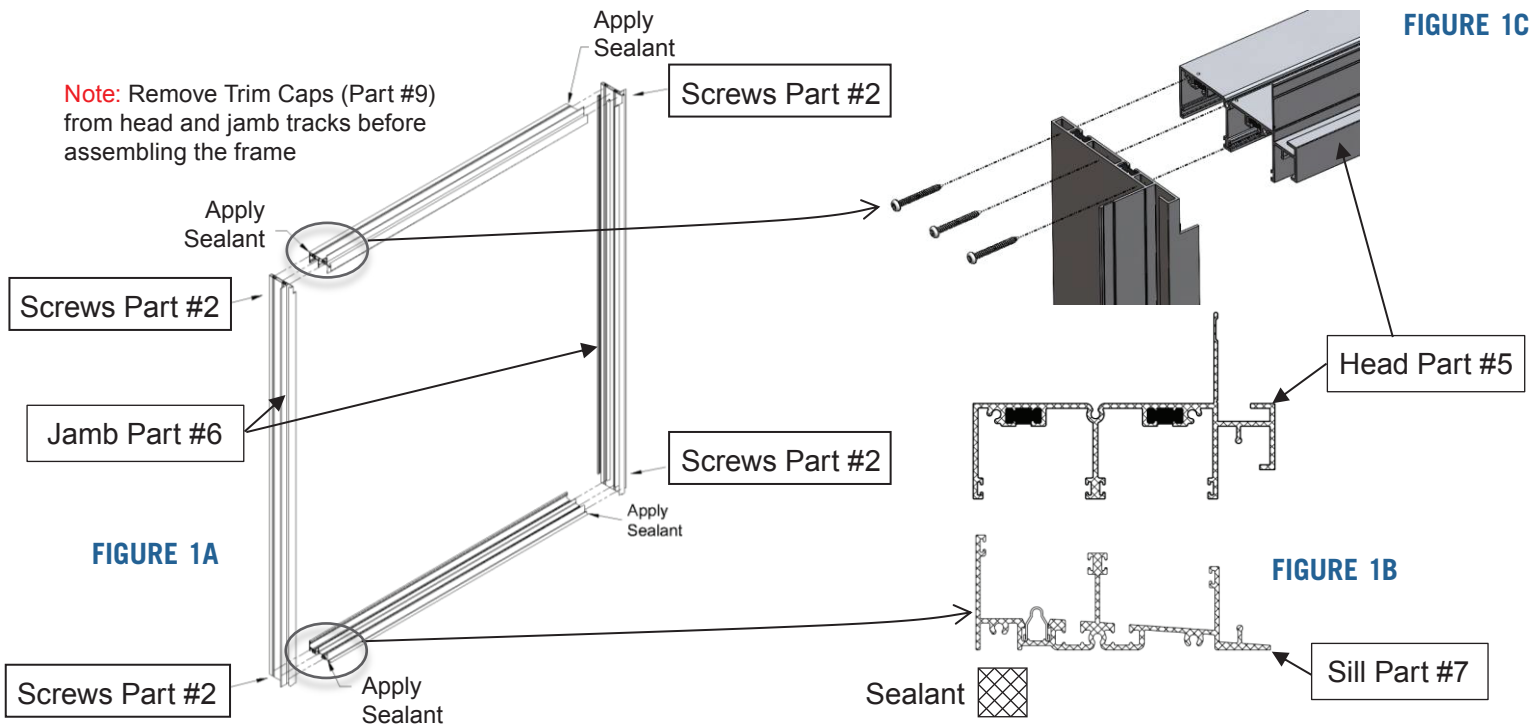
**Disclaimer:** Each installation job has its unique set of challenges and circumstances. Because of that, the provided set of installation instructions for All Weather Architectural Aluminum products is meant only to serve as a set of standardized guidelines and NOT necessarily a strict manual to follow regardless of the situation.

As a professional, it is incumbent upon you and your team to identify instances that do not align with the Installation instruction requirements. All installations must comply with AAMA specifications.

Accordingly, All Weather does not assume responsibility, and disclaims liability for damage, loss, or expense arising from improper use or application of these installation instructions.

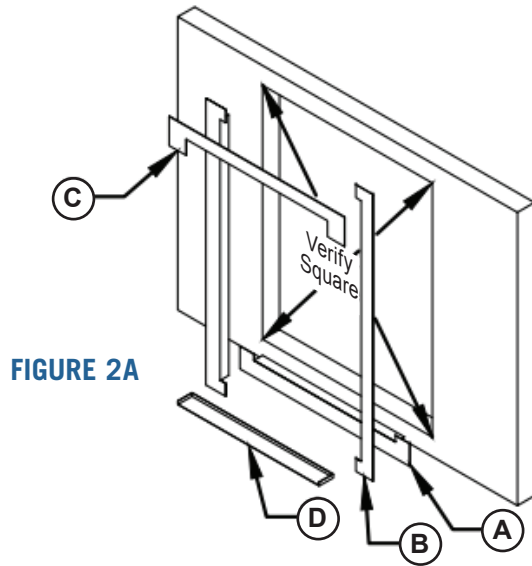
## FRAME ASSEMBLY/INSTALLATION

1. Verify that the rough opening is the correct size to assure the door will fit in the opening.
2. Check to ensure that the floor where the door will be installed is level. If the floor is not level, correct prior to installation.
3. Remove the frame components from its packaging and lay it out in front of the opening.
4. It is recommended to remove the pre-installed trim caps (Part #9) from the head and jamb tracks before assembling the frame. Prepare the frame by applying compatible sealant around the perimeter of both ends of the frame head and sill (Sealant should conform to AAMA 802.3-16 and 803.3-16). Use the screws (Part #2) provided in the hardware box (use sealant to lubricate screws) to assemble the frame as shown in figures 1a, 1b, and 1c.

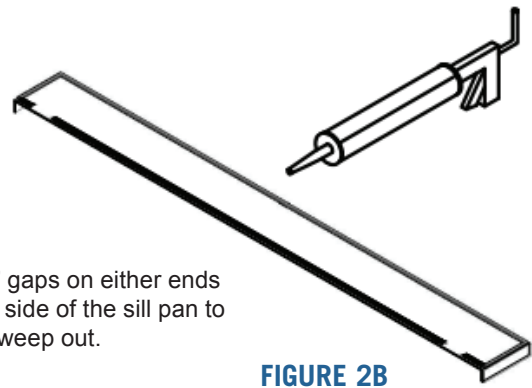




5. Prepare rough opening by checking diagonal dimension of opening to verify square and apply water resistant barrier as shown in figure 2a. Use steps A through C for applying water resistant barrier. Use step D for installation of sill pan.
  - A. 12" Sill Wrap (3" wrapped into opening); Overlaps where sill Self-Adhering Sheet Membrane (SASM) will be by 1" (Self-adhered flashing is optional)
  - B. 12" Jamb SASM (3" wrapped into opening), overlaps Sill SASM by 1" and runs 2" beyond header opening
  - C. 6" Header Wrap (3" wrapped into opening), overlaps jamb SASM by 1"
  - D. (Sill pan is recommended on all door installs) Apply a  $\frac{3}{8}$ " bead of sealant around the perimeter of the bottom side of the sill pan as shown in figure 2b (Sealant should conform to AAMA 802.3-16 and 803.3-16). Apply glue on the sill in the opening to secure the sill pan.

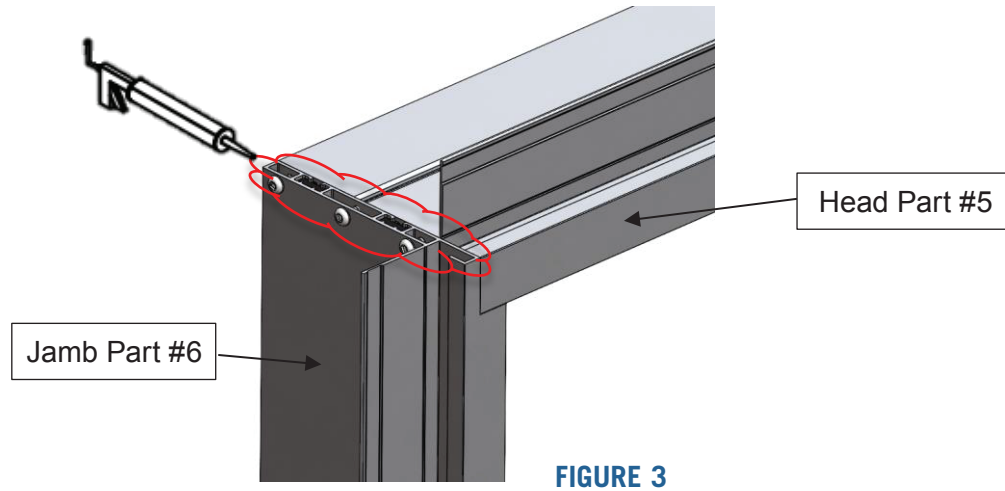


**Note:** Leave 2" gaps on either ends on the exterior side of the sill pan to allow water to weep out.

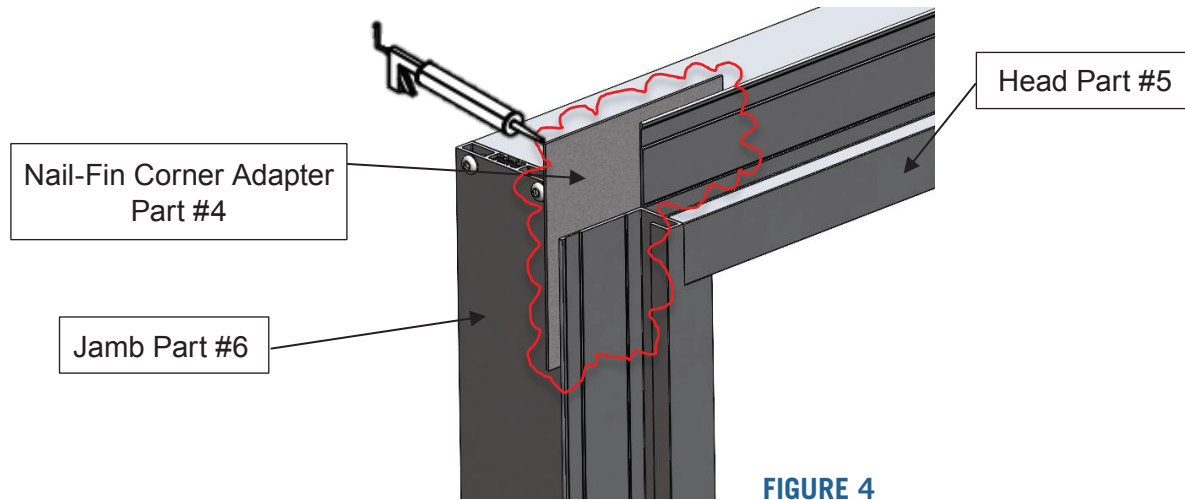


6. Clean the exterior of the frame (including the nail-fin) with a moist rag (wetted with water) so that the frame and nail-fin are free from dirt and other construction debris and dry it with a dry clean rag or allow it to air dry.

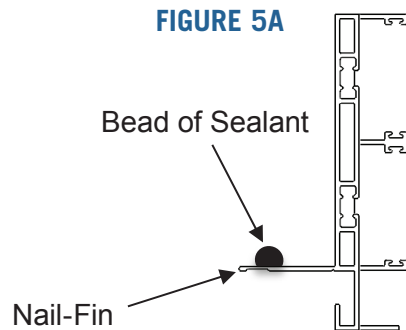
7. Make sure that each corner joint of the frame has sufficient sealant. Apply additional sealant to the corner joints as necessary to ensure a watertight seal as shown in figure 3.



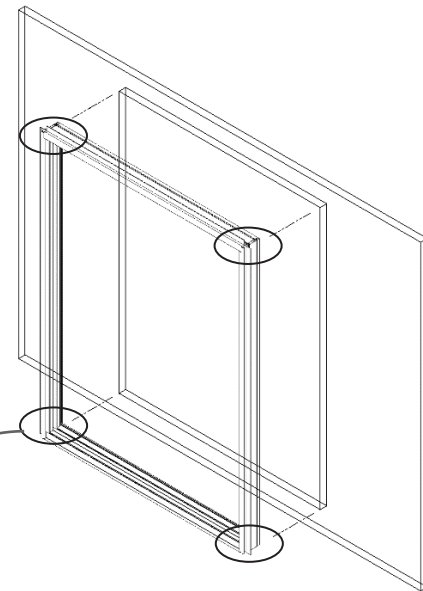
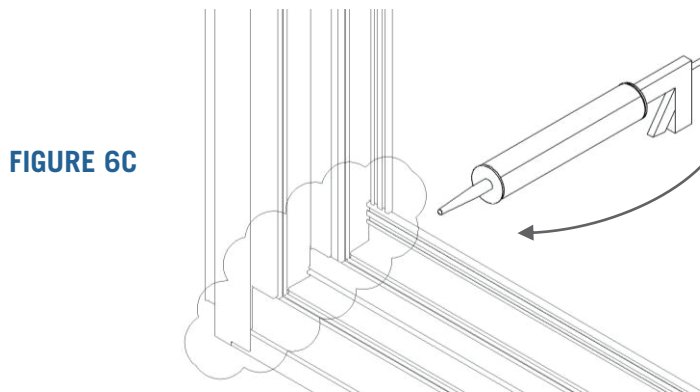
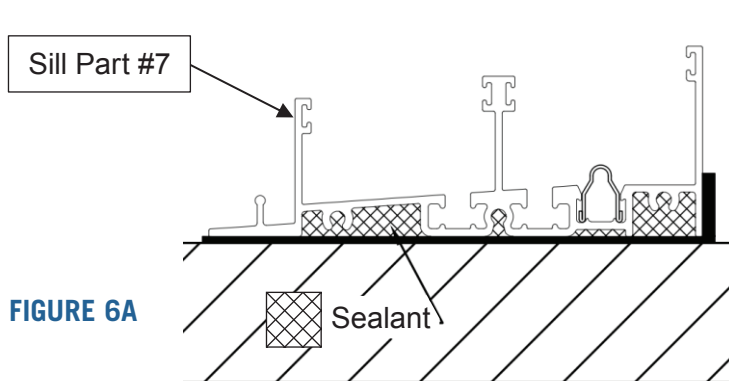
8. Apply sealant to the backside of the 2 Nail-Fin Corner Adapters (Part #4) and install the brackets at upper corners of the frame as shown in figure 4.



9. Apply a continuous bead of sealant on the nail-fin (interior side as shown in figure 5a) around the perimeter of the frame shown in figure 5b, including the two nail-fin corner adapters (Part #4). Sealant should conform to AAMA 802.3-16 and 803.3-16.

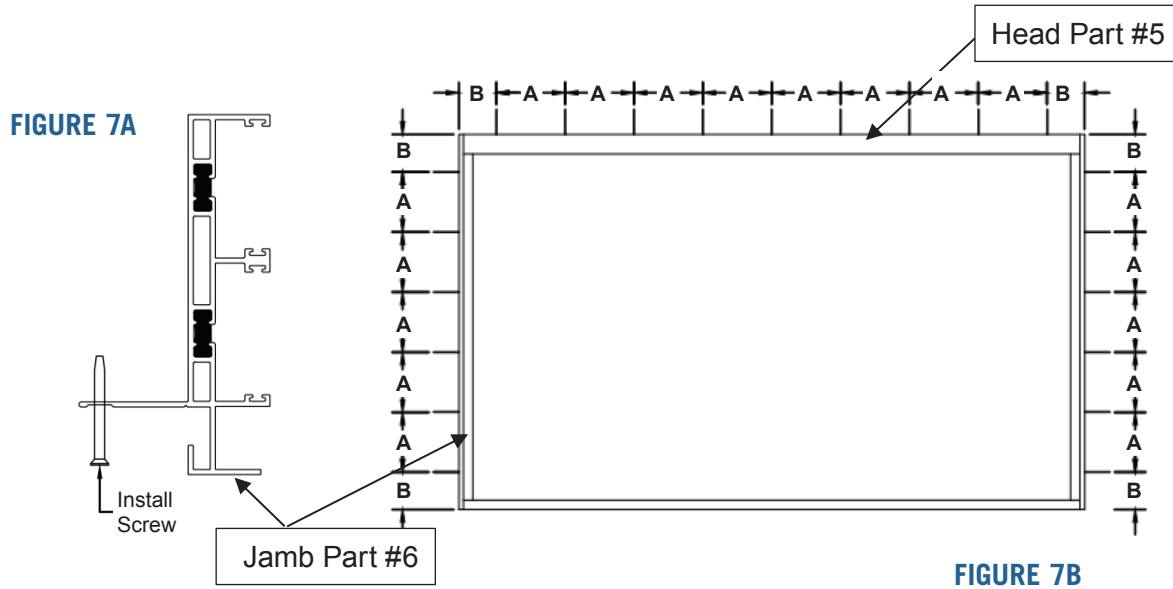


10. Apply a continuous bead of sealant across the entire sill of the opening where the door frame will sit as shown in figure 6a and insert door frame into the opening as shown in figure 6b. (Sealant should conform to AAMA 802.3-16 and 803.3-16). After frame is installed, seal all 4 corners per detail 6b and 6c.

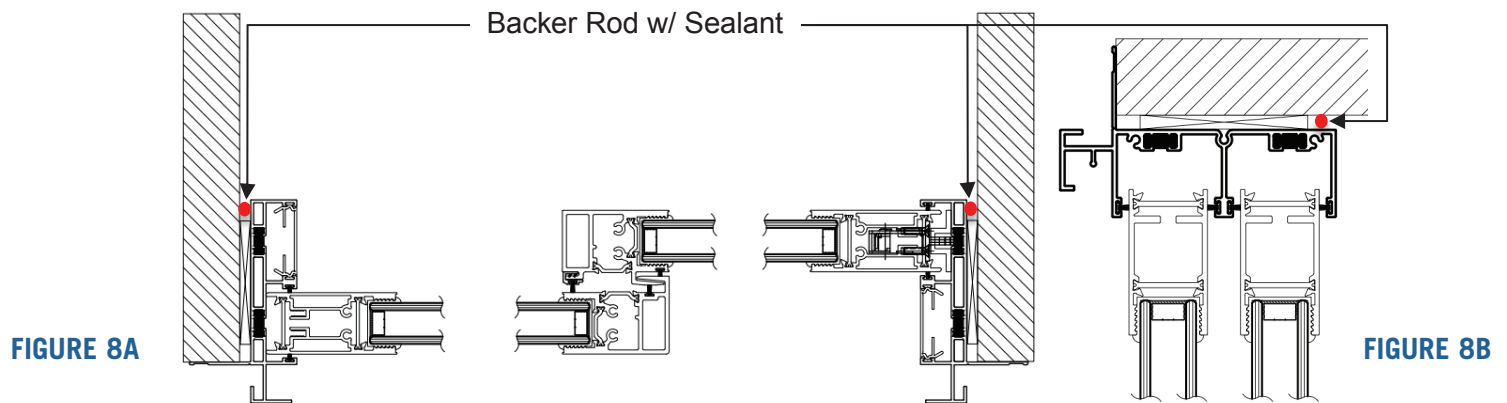


**FIGURE 6B**

11. Secure door frame to the opening using appropriate fasteners. Install screws on the linear fin indicator as shown in figure 7a; spacing to be as shown in figure 7b where A = 12" and B = 3". Cross measure and use shims as necessary to adjust the door frame so that the door frame is plumb, level and square. Seal all the fasteners with compatible sealant.

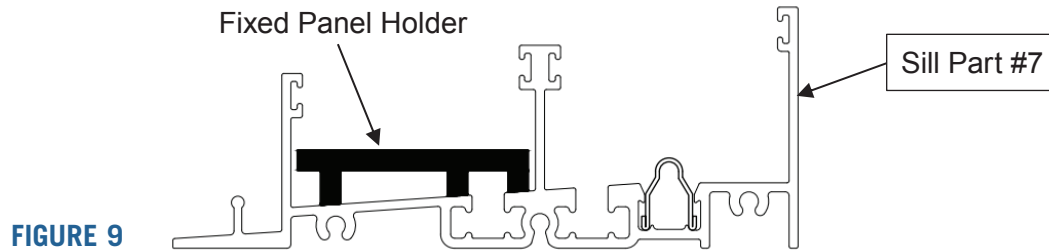


12. Apply backer rod and compatible sealant to the interior joint between the frame and the rough opening.

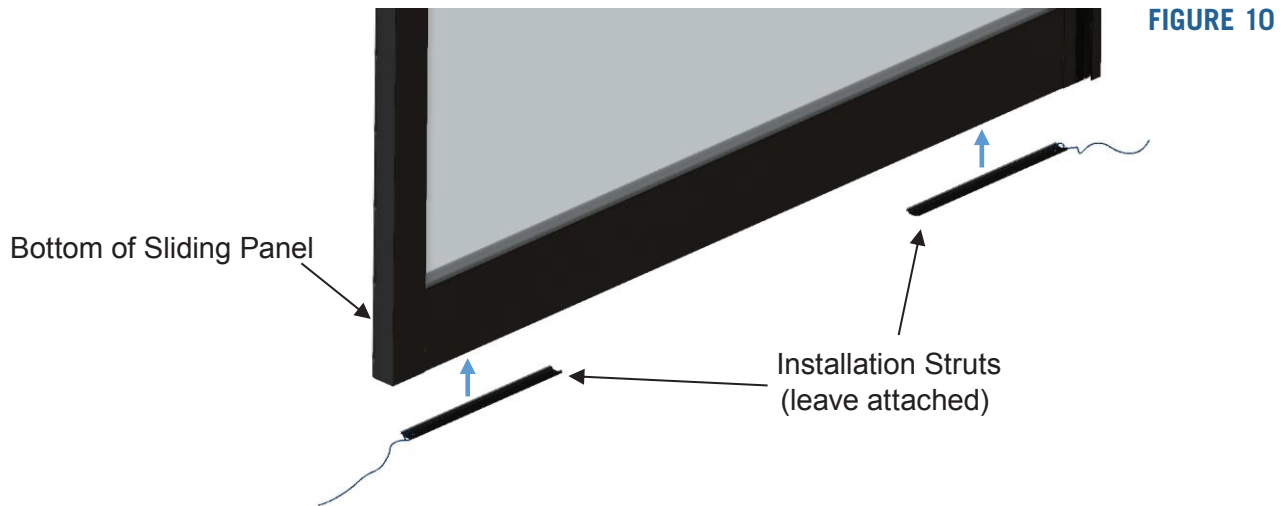


## PANEL INSTALLATION

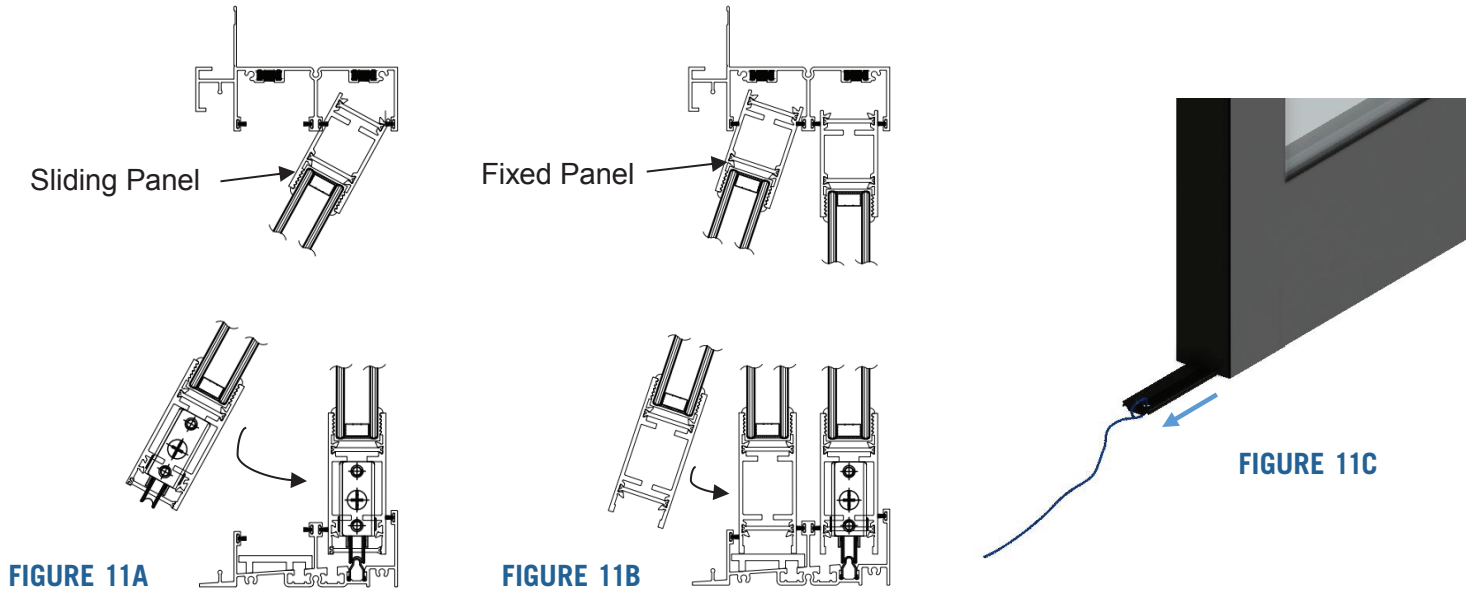
Before installing panels, make sure the fixed panel holder sits where the fixed panel will be installed.



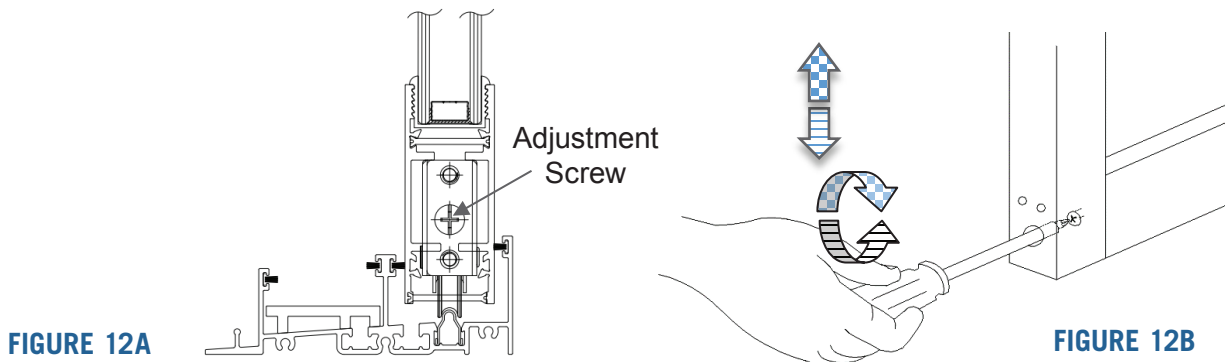
13. In order to prevent the rollers from interfering with the sill during panel installation, our sliding doors come with two struts taped under the rollers of each panel, as shown in Figure 10. **Do not remove struts until after the panel is installed!** The struts hold the rollers in a fully retracted position for ease of installation. Once the panel is installed, they may be taken off by removing the tape and pulling the string outward until the strut slides out from beneath the panel.



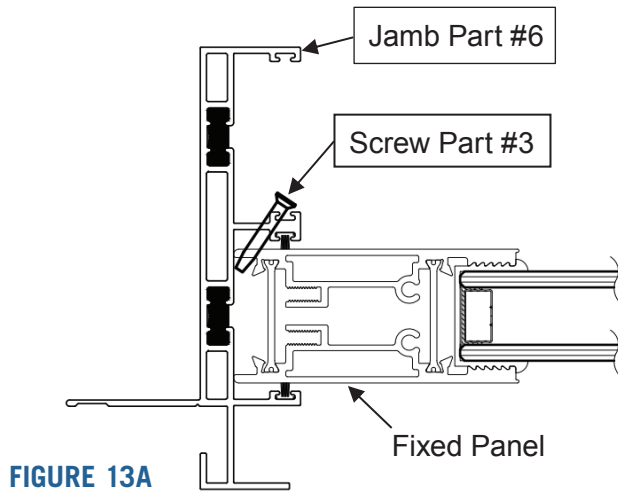
14. Install the sliding panel into the interior frame track as shown in figure 11a. Once panel is in place, remove the installation struts by peeling off the tape and pulling the strings outward as shown in figure 11c. Next, install the fixed panel into the exterior frame track as shown in figure 11b.



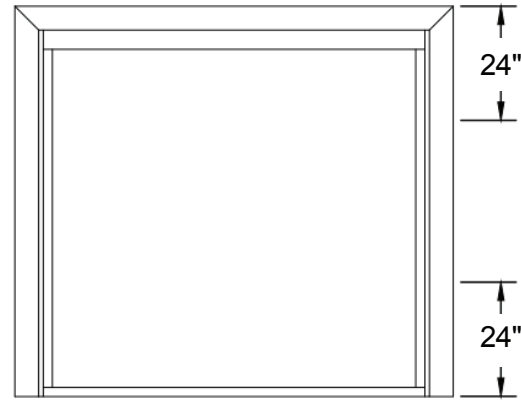
15. Temporarily adjust the sliding panel upward by lifting the panel and turning the adjustment screw shown in figure 12a clockwise as shown in figure 12b until the rollers regain contact with the track. It is important to physically lift the panel while adjusting upward so that the adjustment screw does not strip due to the weight of the panel. Adjust the rollers by turning the adjustment screw shown in figure 12a to achieve proper alignment of the door panels (it is easier to adjust down than up). Turn screw clockwise to raise the panel and counterclockwise to lower the panel as shown in figure 12b.



16. Secure fixed panel to the frame with the 2 screws (Part #3) provided in the hardware box (use sealant to lubricate screws). Screw through the pre-drilled holes in the center weather strip track of the jamb at 24" above the sill and 24" below the head as shown in figures 13a and 13b. For false jamb installation, see Appendix A.



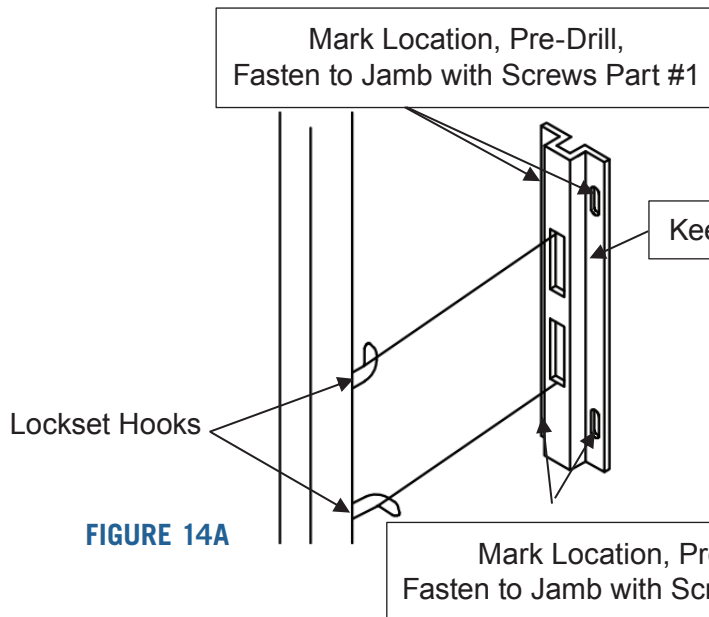
**FIGURE 13A**



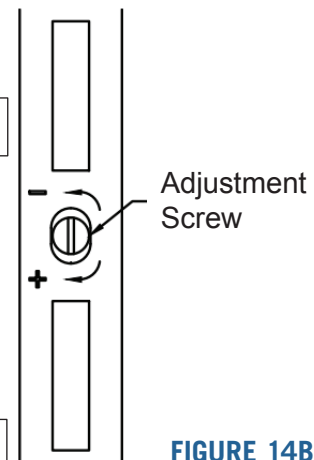
**FIGURE 13B**

## KEEPER INSTALLATION

17. After the final roller adjustments, install the keeper (Part #8) into the lock side jamb (Part #6) by aligning with the lockset hooks on the panel and marking the location of the keeper's four screw holes onto the jamb. Next, pre-drill holes in the jamb at the marked locations using a size  $\frac{1}{8}$ " -  $\frac{3}{16}$ " drill bit. Lastly, fasten the keeper to the jamb with screws (Part #1) as shown in figure 14a (use sealant to lubricate screws). After the keeper has been installed, adjust the throw on the hooks of the lockset to ensure a tight fit when the door is closed and locked by turning the adjustment screw located between the hooks shown in figure 14b.



**FIGURE 14A**



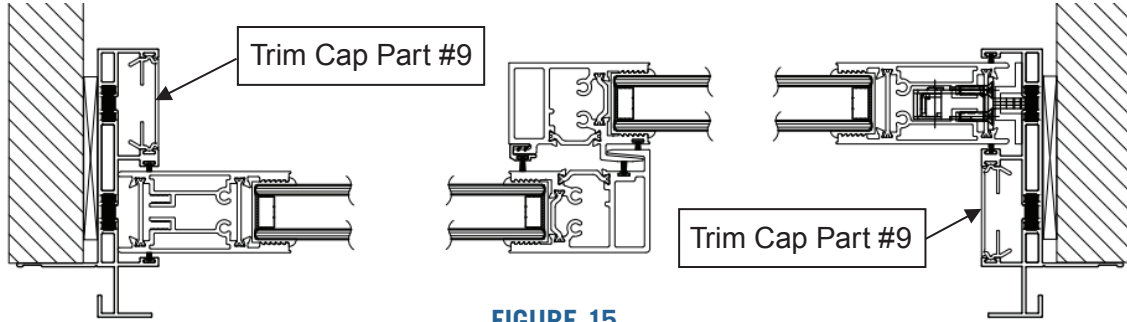
**FIGURE 14B**





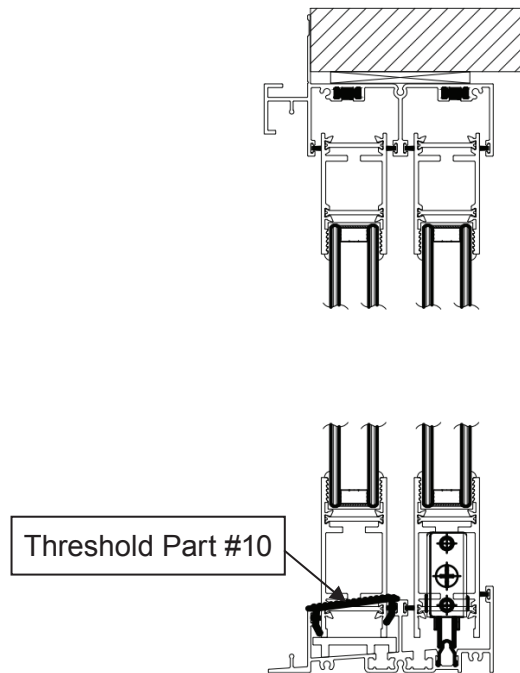
## TRIM CAP AND THRESHOLD RE-INSTALLATION

18. Install exterior and interior trim caps (Part #9) in jambs as shown in figure 15.



**FIGURE 15**

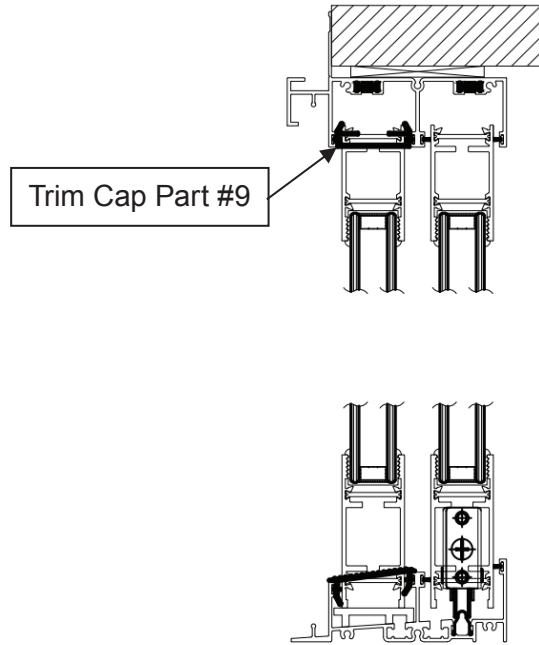
19. Install the threshold (Part #10) into the exterior sill track (Part #7) as shown in figure 16.



**FIGURE 16**



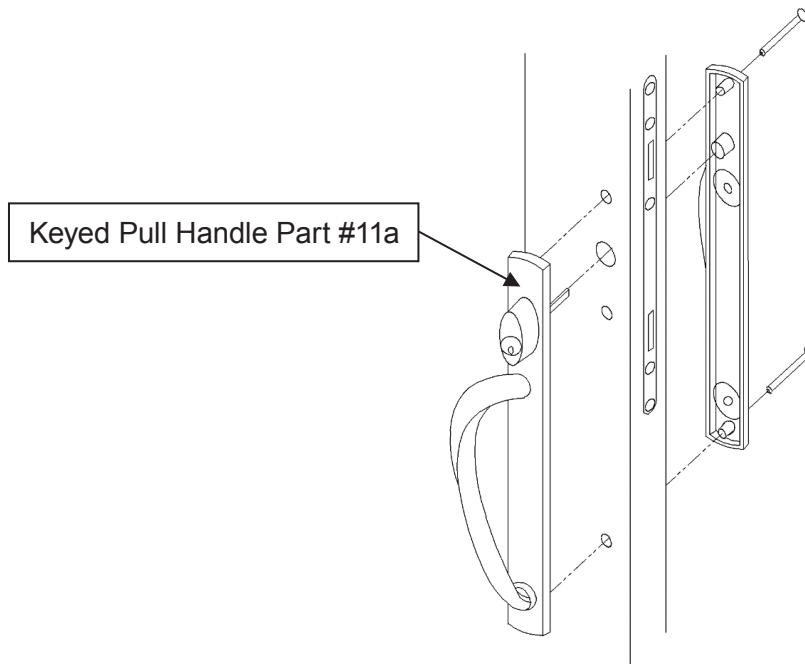
20. Install head trim cap (Part #9) into exterior head track as shown in figure 17.



**FIGURE 17**

## PULL HANDLE INSTALLATION

21. Install the pull handle (Part #11a, 11b, or 11c) by inserting the exterior and interior handle into the pre-drilled holes. Secure handle by installing the screws included with the handle kit on the interior side as shown in figure 18.



**FIGURE 18**



## SCREEN INSTALLATION

22. Install screen door by snapping into head and sill screen channels as shown in figure 19.

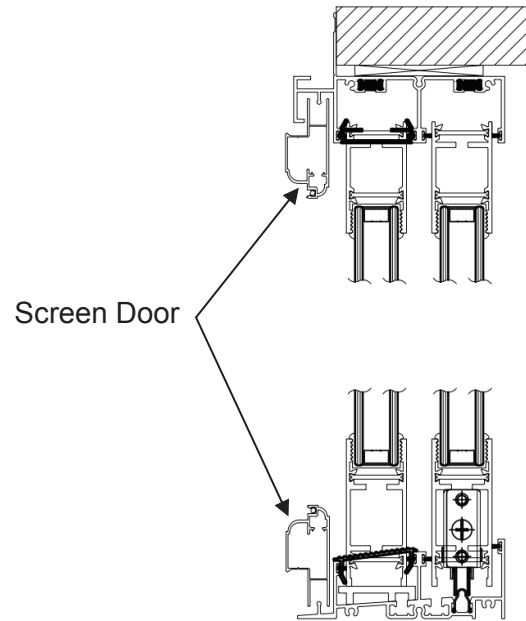


FIGURE 19



## APPENDIX A:

### FALSE JAMB INSTALLATION

After the operable panel is installed, install the left fixed panel (for OXO Left) or right fixed panel (for OXO right). Remove trim cap (Part #9) and use the pre-drilled holes in the false jamb (2 on bottom, 2 on top) to fasten false jamb to the fixed panel. Fasten the fixed panel to the outer jamb using screws (Part #3), 24" from top and 24" from bottom of frame as shown in figure 20. Fill any gaps between false jamb and frame with silicone to make watertight.

