

TTH350 SINGLE FEMA DOOR

INSTALLATION INSTRUCTIONS

(Revision #1. 16Aug2019)



TTH350 SINGLE FEMA DOOR

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TTH350 SINGLE FEMA DOOR

Tools and Supplies

TOOLS

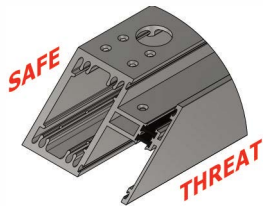
- Drill
- Rubber Mallet
- Putty knife
- Allen Key
- 7/16" Nut Driver
- Sealant gun
- Philips #3

SUPPLIES

- High quality silicone sealant. Quantity varies with each installation.

FACING DIRECTION

We indicate facing direction with **SAFE** being the safe side and **THREAT** being the threat side.



INSTALLATION CONDITIONS

These instructions were tested and developed for wall construction systems and designed to manage moisture. Installation recommendations for other types of wall construction, wall systems, conditions, may be obtained from Insulgard Security Products. Building designs, construction methods building materials, and site conditions unique to your project may require an installation method different from these instructions and additional care on your part. Determining the appropriate installation method is the responsibility of you, your architect, or other construction professional.

LAYOUT

Please refer to drawings and engineering build of materials for identifying and placement of component(s), as they will vary by project job.

For organization purposes, we arrange our components from left to right from the "Threat" position of view. We aim to reduce confusion as to where items to are placed. In the image below we would title the lefthand Jamb "#1 Side Jamb" and the far righthand Jamb "#2 Side Jamb". The Head and Sill are self-explanatory. However, if we had multiple horizontal Intermediate Rails(IR) would start from the top as IR #1 and work our way down IR #2, IR #3, etc.

SAFETY

For safety and convenience, it is best to assemble frame assembly laid on its back on a level surface.

Remember to use appropriate personal protective equipment.

The installation will require two or more persons for safety reasons.



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Installing Frame

CLEAR ROUGH OPENING

1. Verify door opening is clear of obstruction.

*Wood buck is used for illustration purpose only. See specific shop drawings for details.



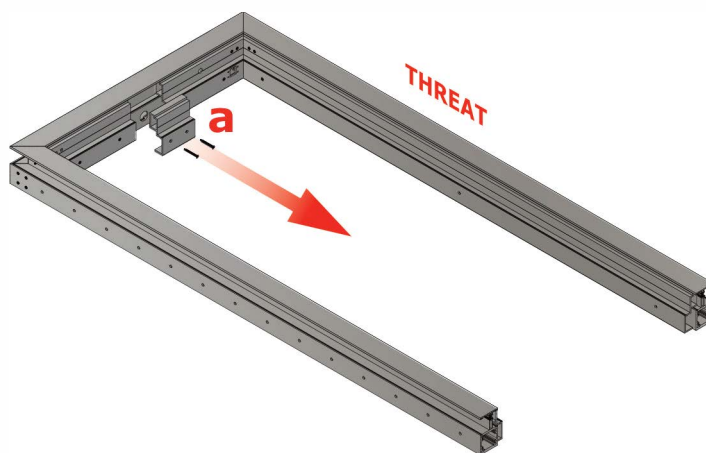
2

CHECK FRAME ASSEMBLY

2. During shipping, the 10-1361 Door Sub-Frame Jamb are attached.

2a. Remove all 10-1361 Door Sub-Frame Jamb, starting with the Center Head 10-1361 Door Sub-Frame Jamb member (a).

*See Bill of material for quantity and part numbers (1361-DSxx-xx).

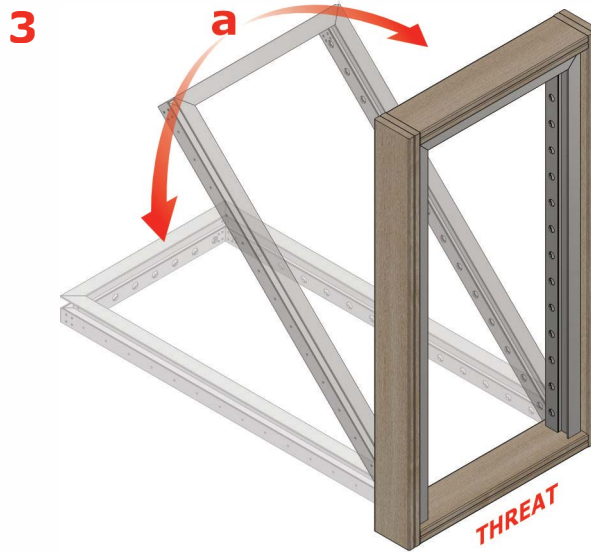


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Mount and Shim Frame Assembly

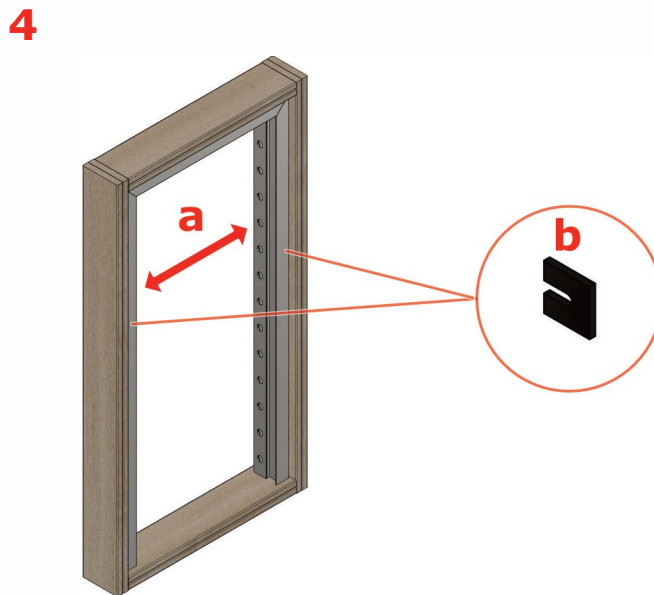
MOUNT FRAME ASSEMBLY

3. Mount *Frame Assembly* (**a**) by lifting it into place.



ADJUST FRAME

4. Shift the *Frame Assembly* (**a**) to adjust for even spacing between the *Vertical Jambs* and the *Rough Opening*. *Shims* (**b**) can be used between *Perimeter Frame* and *substrate*.



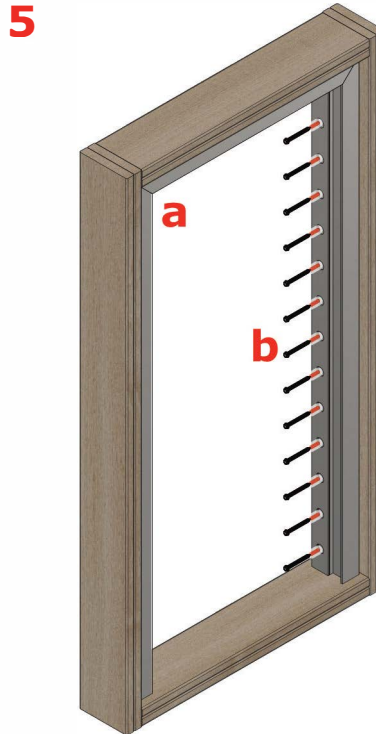
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Secure Frame and Install Sub-Frame Clips

SECURE FRAME

5. Secure *Frame Assembly (a)* with specified *screw fasteners (b)* from drawings.

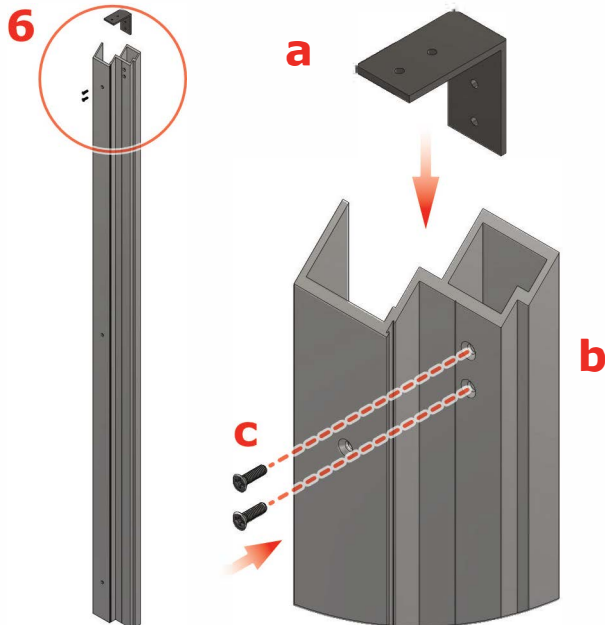
*Refer to submission drawings for exact locations and screw fasteners.



INSTALL SUB-FRAME CLIPS

6. Insert TTH61CC4 *Sub-Frame Clips (a)* into 1361-DSxJ-xx *Door Sub-Frame Jamb (b)* from drawings.

Secure with 12-24x3/4" PFHS **(c)**.



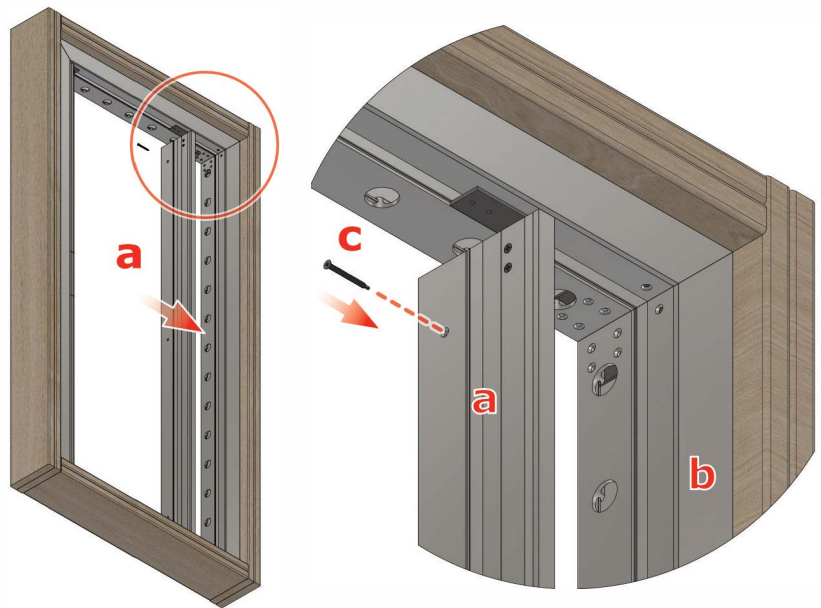
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Install Sub-Frame

INSTALL SUB-FRAME TO FRAME ASSEMBLY

7. Insert 1361-DSxJ-xx Door Sub-Frame Jamb (a) into Frame Assembly (b). Secure with #12x2-1/2" FHDS (c).

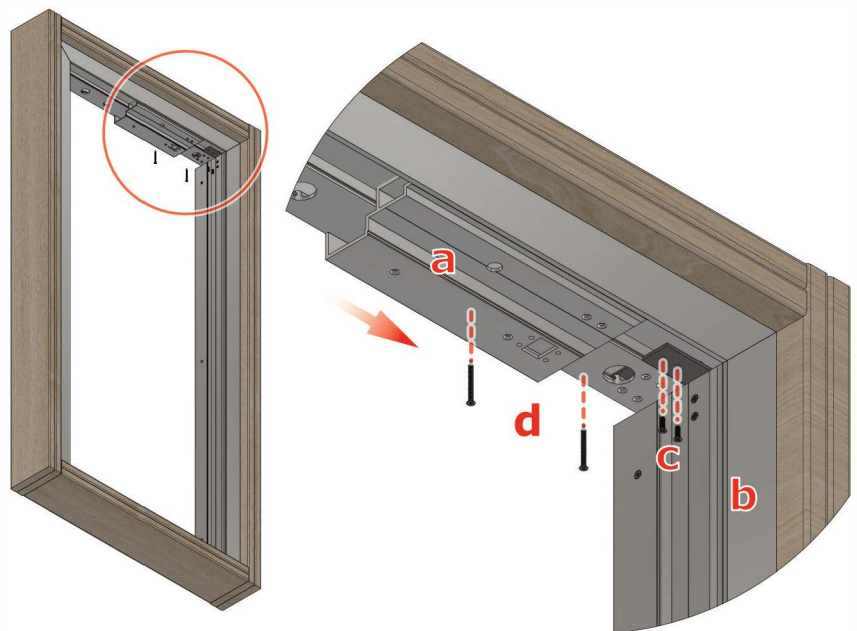
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8. Insert and slide the 1361-DSxH-xx Door Sub-Frame Head Corner (a) into Frame Assembly (b) connecting with Sub-Frame Clip.

Secure with 12-24x3/4" PFHS (c) and with #12x2-1/2" FHDS (d).

8



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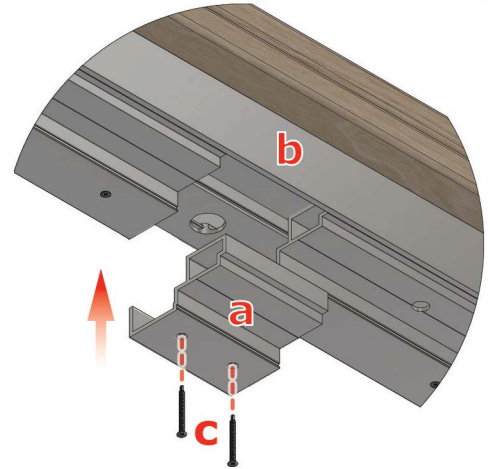
Install Sub-Frame and Door Position Switch

INSTALL SUB-FRAME TO FRAME ASSEMBLY CONTINUED.

9. Insert 1361-DSxH-xx *Door Sub-Frame Head Center (a)* into *Frame Assembly (b)*.

Secure with #12x2-1/2" FHDS (**c**).

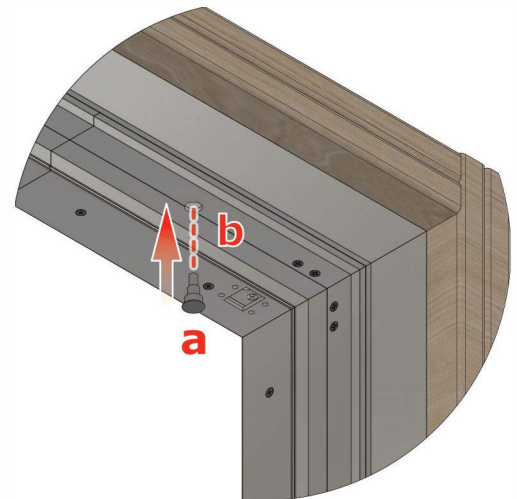
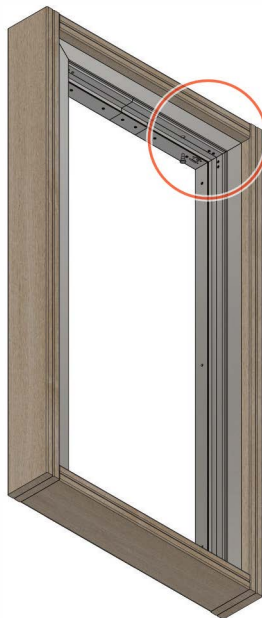
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INSTALL DOOR POSITION SWITCH.

10. Install *Door Position Switch (a)* into 1361-DSxH-xx *Door Sub-Frame Head Corner (b)*.

10



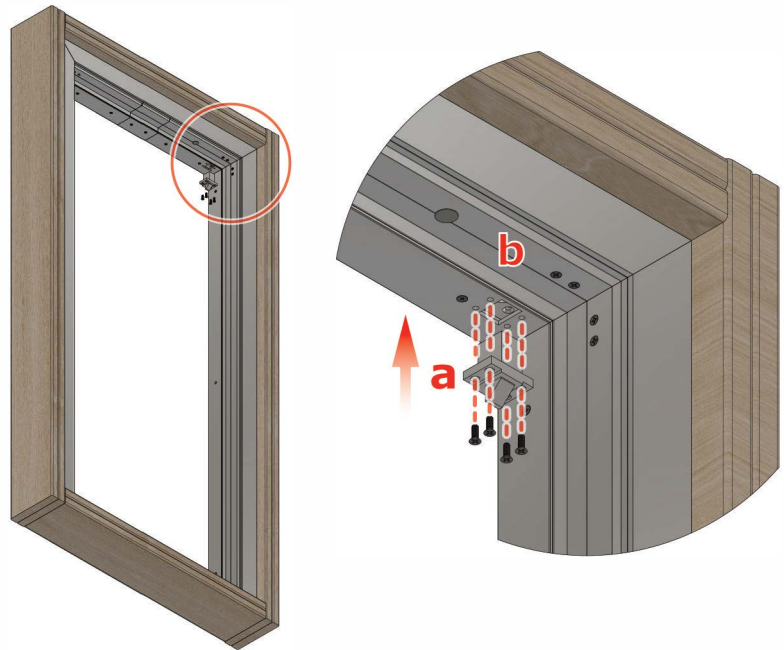
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Install Top Door Strike and Threshold

INSTALL TOP DOOR STRIKE.

11. Install *Top Door Strike (a)* into 1361-DSxH-xx *Door Sub-Frame Head Corner (b)* and secure with appropriate hardware.

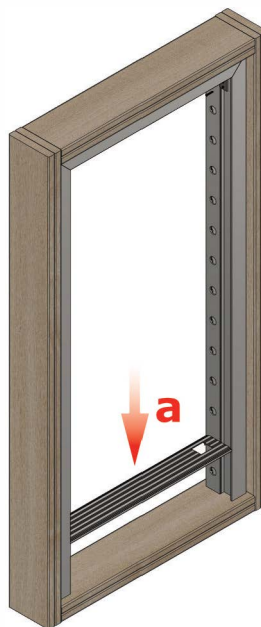
11



INSTALL THRESHOLD.

12. Install *Threshold Plate (a)* to the floor and secure with appropriate hardware.

12



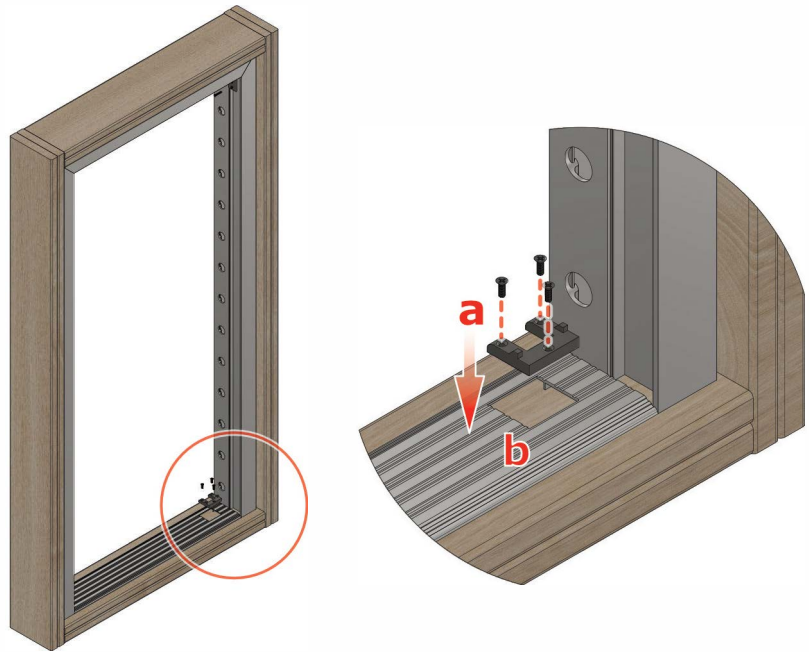
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Install Bottom Door Strike and Weather Strip

INSTALL BOTTOM DOOR STRIKE.

13

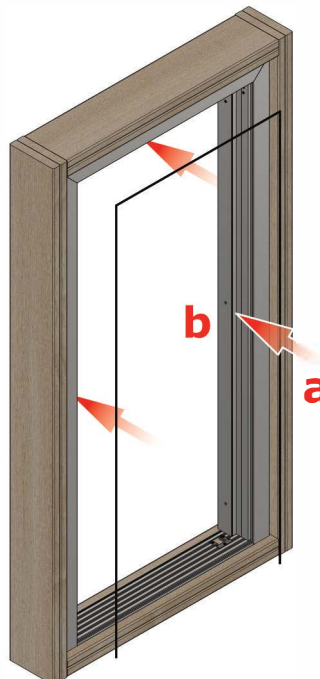
13. Install *Bottom Door Strike (a)* into *Threshold (b)* and secure with appropriate hardware.



INSTALL WEATHERSTRIP.

14

14. Install *Weatherstrip (a)* to *1361-DSxH-xx Door Sub-Frame Head (b)*.



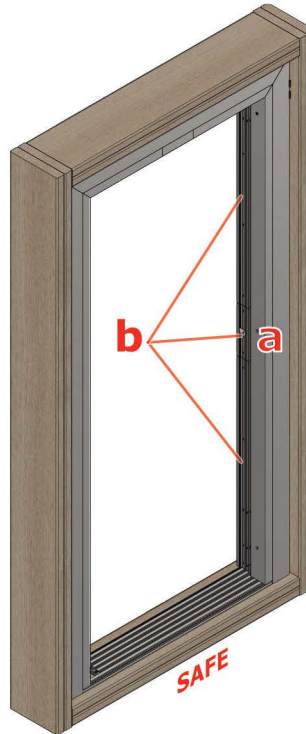
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Prepare Hinge and Install Door Assembly

PREPARE HINGE ON FRAME

15. Prepare *Door Hinge Jamb (a)* with *Hinges (b)* by marking with Hinges screw holes. Then drilling $11/64"$ and tap 12-24 thread.

15



INSTALL DOOR ASSEMBLY

16. Install *Door Assembly (a)* onto *Door Frame (b)* by mounting to hinge.

Secure with appropriate hardware.

16



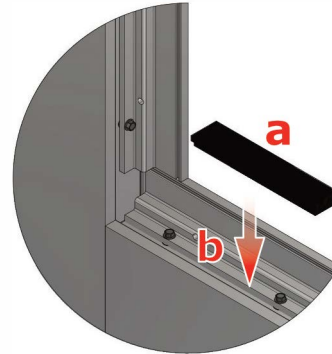
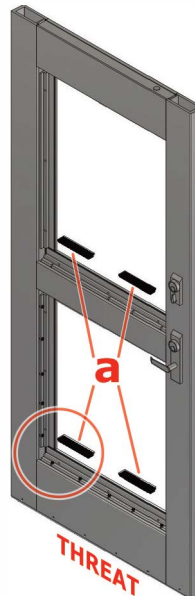
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Install Setting Blocks and Rubber Setting Blocks

INSTALL SETTING BLOCKS

17. Place *Setting Blocks (a)* at 1/4 points where glazing(s) will sit (**b**).

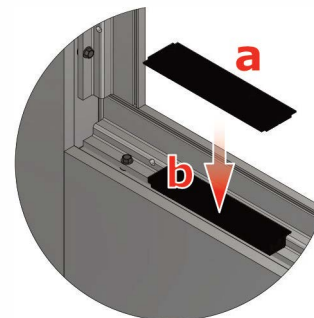
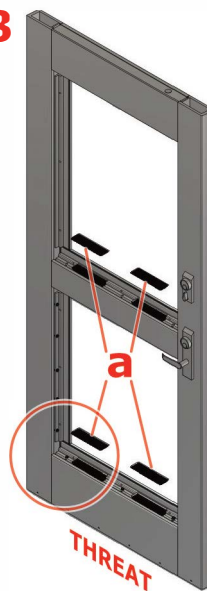
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INSTALL RUBBER SETTING BLOCKS

18. Place *Rubber Setting Blocks (a)* on top of *Setting Blocks (b)*.

18



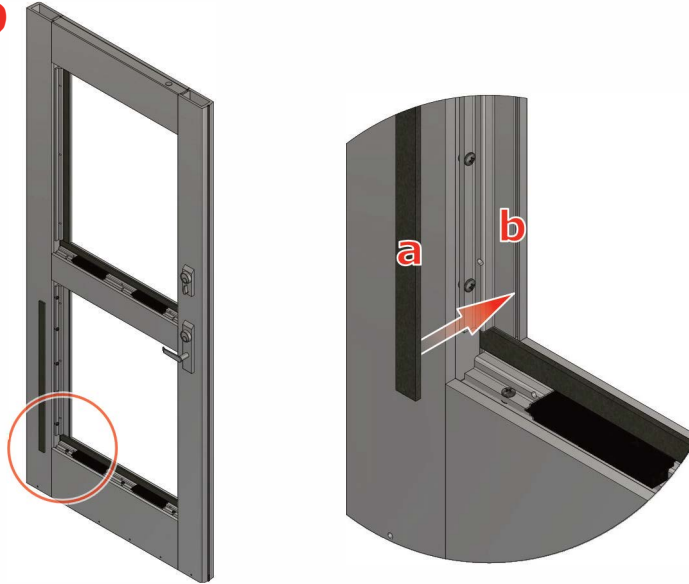
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Install V2100 Tape and Glazing

INSTALL V2100 TAPE

19. Install V2100 Tape (**a**) along edge of Doors Glazing Stops (**b**).

19



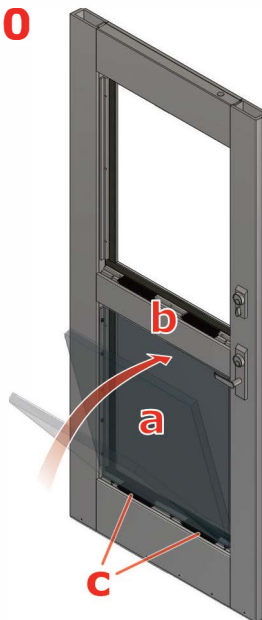
INSTALL GLAZING

The *Glazing* is a heavy delicate component and may require more than one person to maneuver.

20. Carefully lift and insert *Glazing* (**a**) onto the *Door Assembly* (**b**), by resting bottom edge onto the *Setting Blocks* (**c**).

Repeat for all Glazings.

20



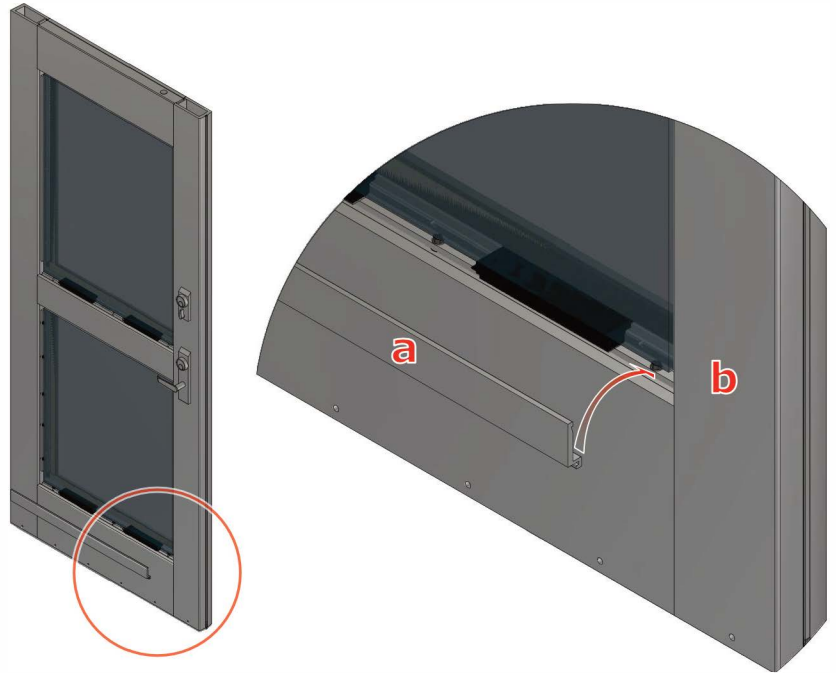
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Install Removable Glazing Stop and Secure Glazing

INSTALL REMOVABLE GLAZING STOP.

21

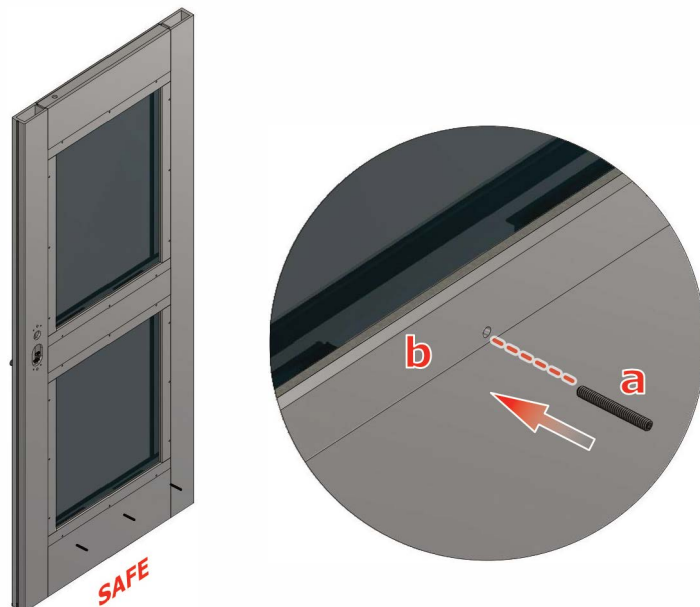
21. Install 1366-RS-x Removable Glazing Stop (a) by rolling it into place on the Door Assembly (b).



SECURE GLAZING.

22

22. Secure Glazing by inserting 1/4"-20 AHSS (a) into Fixed Glazing Stop (b).



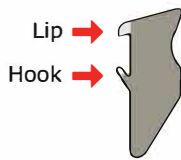
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Install Wedge Seal and Apply Sealant

INSTALL WEDGE SEAL TO GLASS STOPS

23. In this step we are applying the *Wedge Seal (a)*.

23a. Notch the *Wedge Seal (a)* by removing about an inch of *lip* from each end.

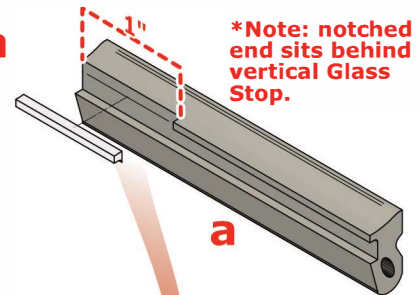


23b. Install *Wedge Seal (a)* by pushing it in between the *Glazing Stop (b)* and the *Glazing (c)*. Ensuring the *Hook* stem locks into the channel.

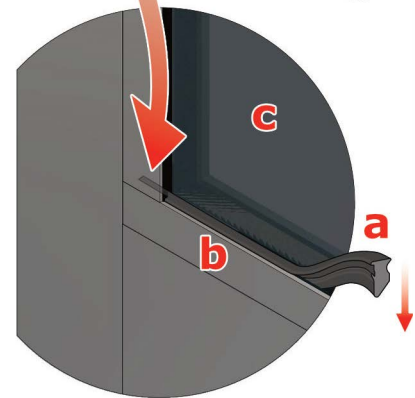
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23a



23b



APPLY SEALANT

24. Add First layer of *Sealant* between *Perimeter Frame (a)* and *Substrate (b)*.

Installation is now complete.

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