

# TTH350 PAIR FEMA DOORS

## INSTALLATION INSTRUCTIONS

(Revision #1. 10Jun2020)



# TTH350 PAIR FEMA DOORS

## Table of Contents

(Revision #1. 10Jun2020)

Table of Contents	1	<b>Installing Door</b>	
Tools and Supplies	2	Prepare Frame Jamb for Hinge	10
Tools		Install Door Assembly	10
Supplies		Install Setting Blocks	11
Facing Direction		Install Rubber Setting Blocks	11
Installation Conditions		Install V2100 Tape	12
Layout		Install Glazing	12
Safety		Install Removable Glazing Stop	13
<b>Installing Frame</b>		Secure Glazing	13
Preparation Frame	3	Install Wedge Seal	14
Clear Rough Opening		Apply Sealant	14
Check Frame Assembly		Install Removable Center Mullion	15
Mount Frame Assembly	4		
Mounting Frame Assembly			
Adjust Frame Assembly			
Secure Frame Assembly	5		
Install Sub-Frame Clips	5		
Install Sub-Frame to Frame Assembly	6-7		
Install Sub-Frame Jambs			
Install Sub-Frame Head Corners			
Install Sub-Frame Head Center			
Install Door Position Switch	7		
Install Top Door Strike	8		
Install Threshold Plate	8		
Install Bottom Door Strike	9		
Install Weather Strip	9		

# TTH350 PAIR FEMA DOORS

## Tools and Supplies

### TOOLS

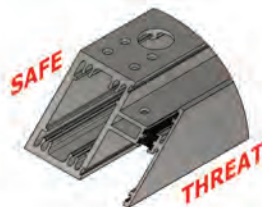
- Drill
- Rubber Mallet
- Putty knife
- Allen Key
- 7/16" Nut Driver
- Sealant gun
- Philips #3

### 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

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 bill of materials for identifying and placement of component(s), as they will vary by project job.

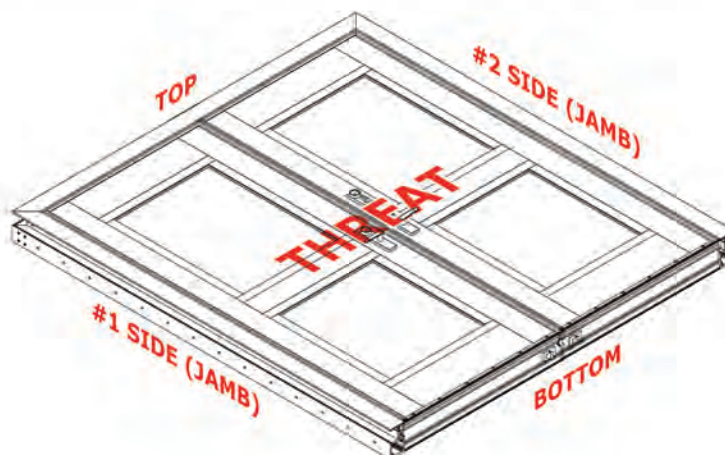
For organization purposes, we arrange our components from left to right from the "Threat" position of view. We aim to reduce confusion as to where items to are placed. In the image below we would title the lefthand Jamb "#1 Side Jamb" and the far righthand Jamb "#2 Side Jamb". The Head and Sill are self-explanatory. 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.





# TTH350 PAIR FEMA DOORS

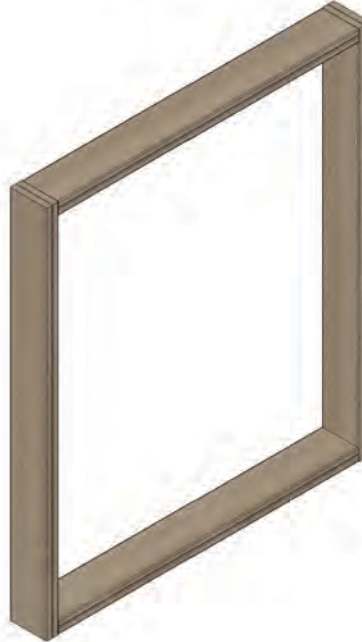
## Installing Frame

### 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.

1



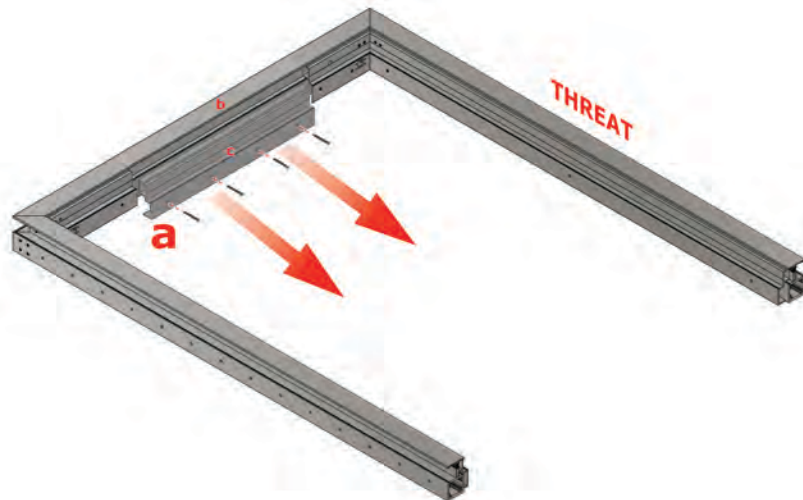
### CHECK FRAME ASSEMBLY

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).

2



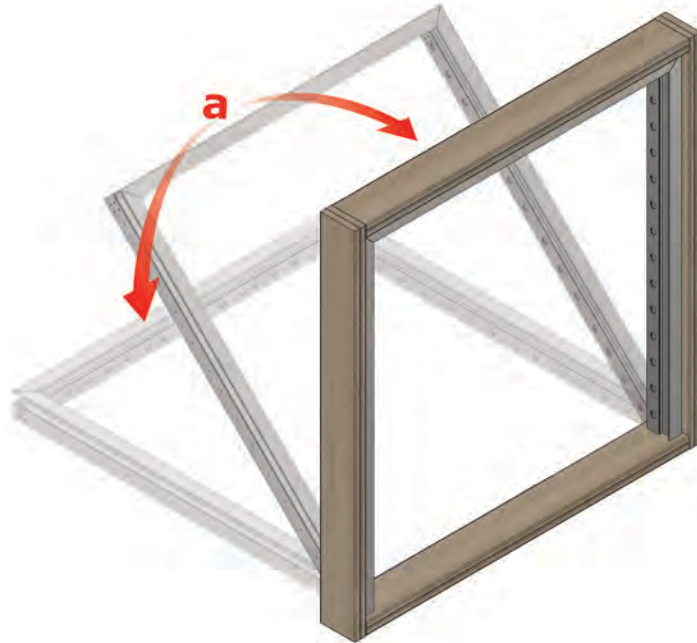
# TTH350 PAIR FEMA DOORS

## Mount and Shim Frame Assembly

### MOUNT FRAME ASSEMBLY

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

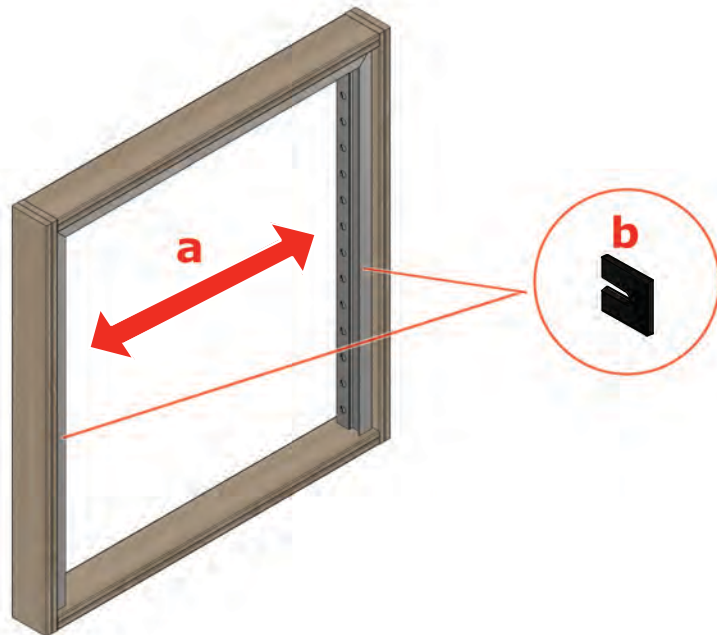
**3**



### 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*.

**4**



# TTH350 PAIR FEMA DOORS

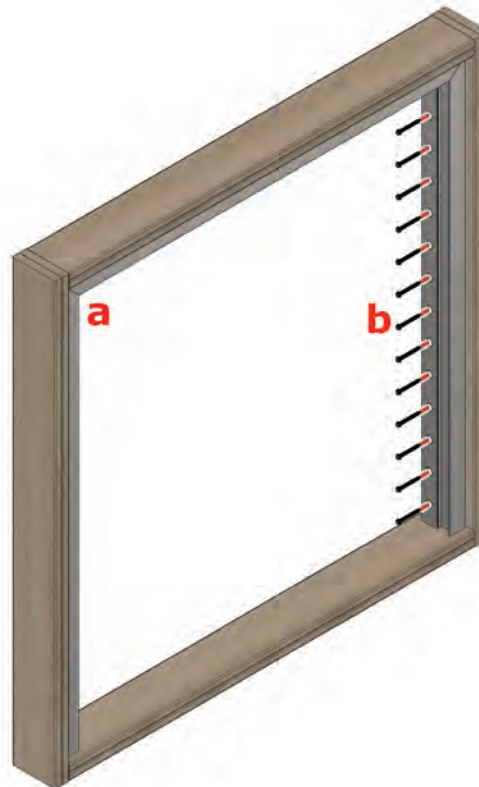
## Secure Frame and Install Sub-Frame Clips

### SECURE FRAME

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

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

**5**

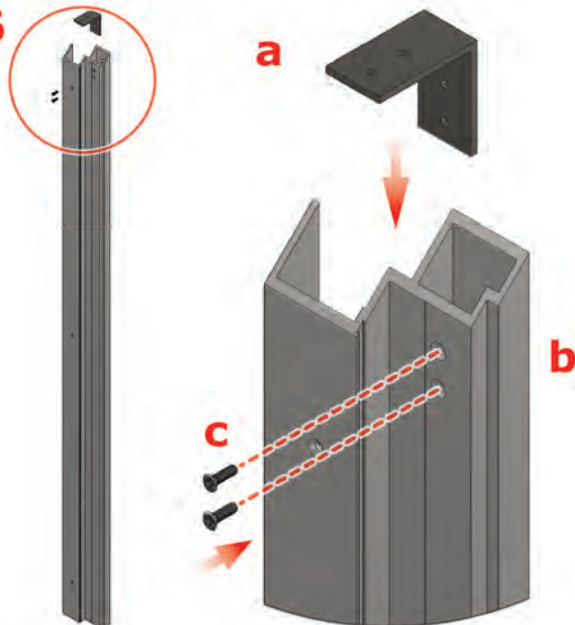


### INSTALL SUB-FRAME CLIPS

**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).

**6**

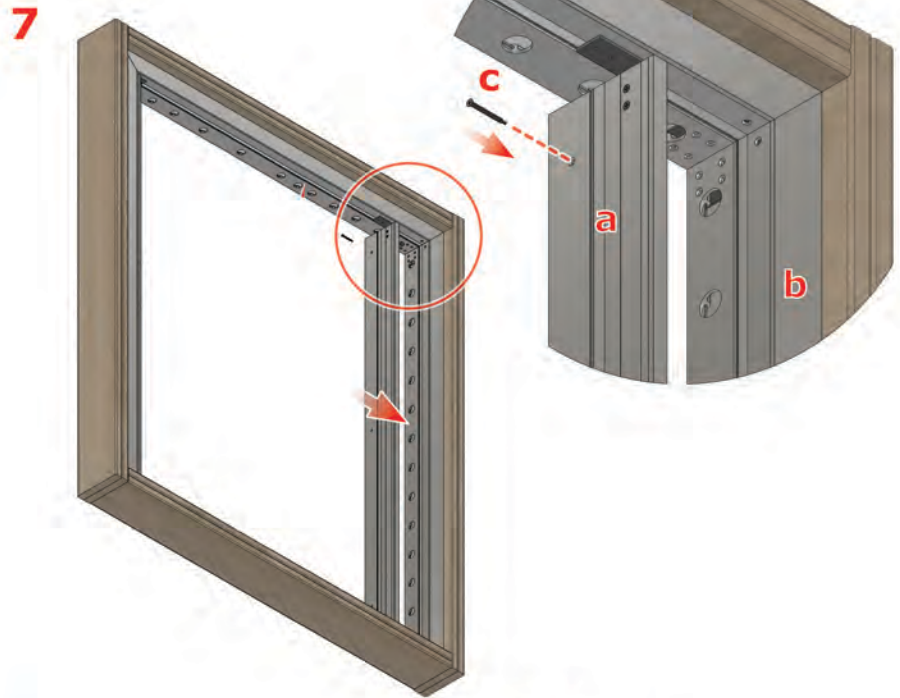




## Install Sub-Frame

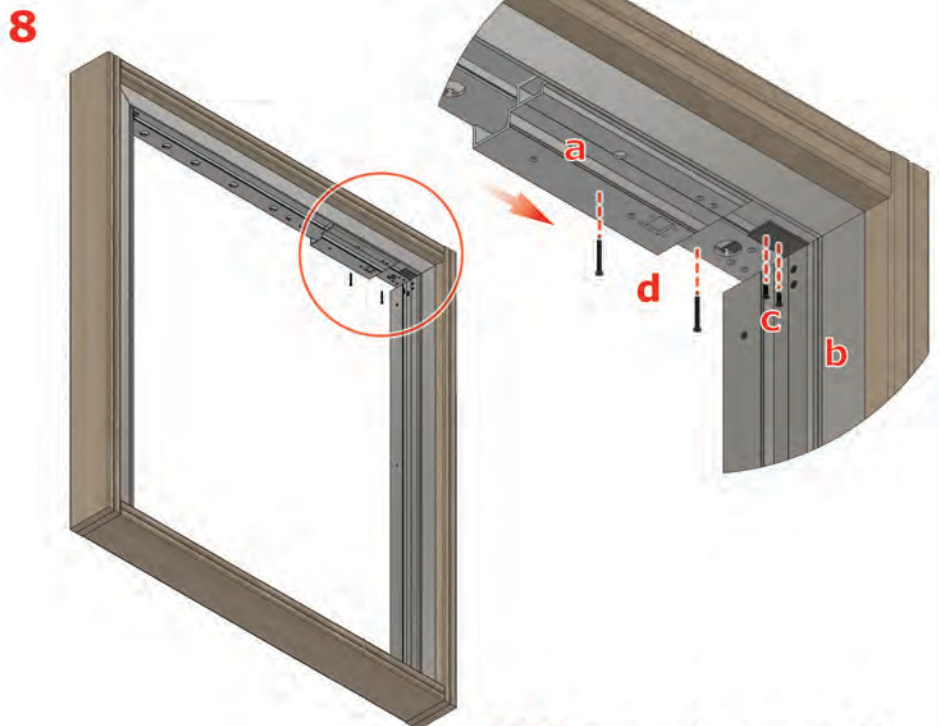
## INSTALL SUB-FRAME TO FRAME ASSEMBLY

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



**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).



# TTH350 PAIR FEMA DOORS

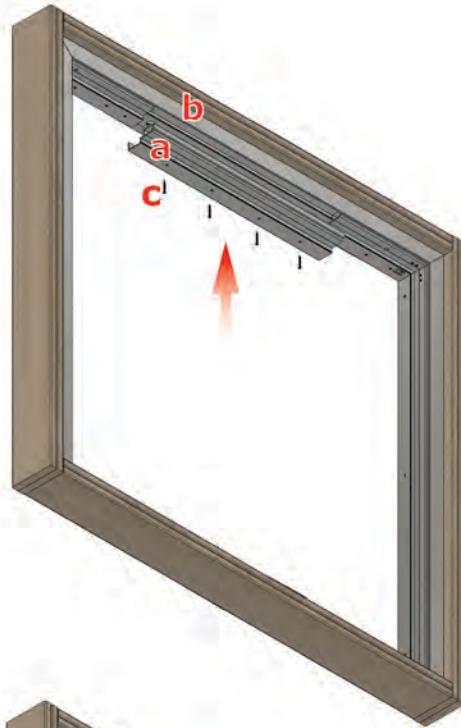
## Install Sub-Frame and Door Position Switch

### 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**).

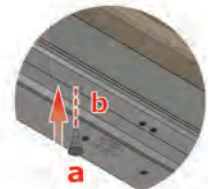
**9**



### IF REQUIRED INSTALL DOOR POSITION SWITCH.

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

**10**





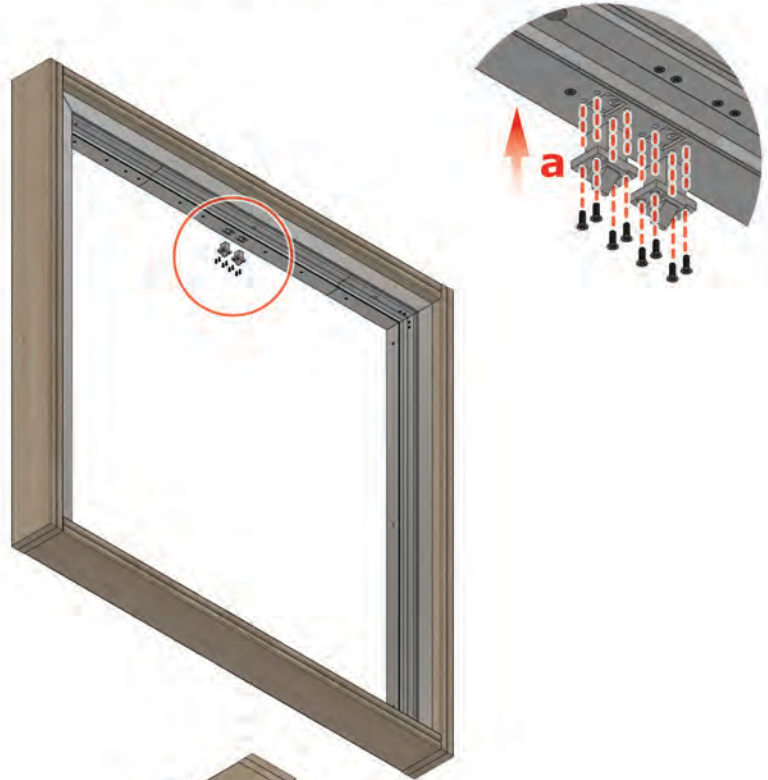
# TTH350 PAIR FEMA DOORS

## Install Top Door Strike and Threshold

### INSTALL TOP DOOR STRIKE.

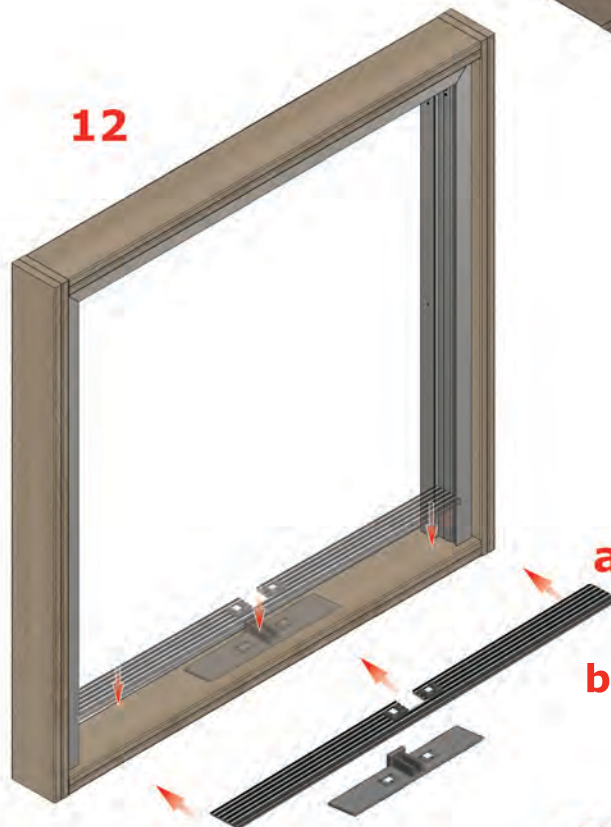
**11.** Install *Top Door Strike (a)* into *1361-DSxH-xx Door Sub-Frame Head Corner (b)* and secure with appropriate hardware.

**11**



**12**

**12.** Slide Threshold (a) and stainless steel plate (b) into door opening.



**Insulgard™**  
**SECURITY PRODUCTS**

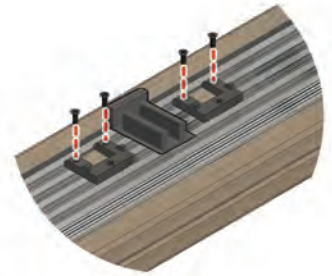
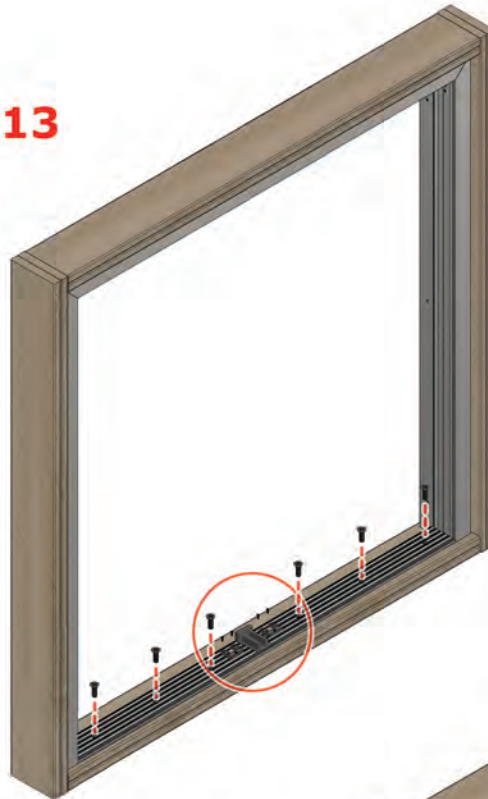
# TTH350 PAIR FEMA DOORS

## Install Threshold and Weatherstrip

### INSTALL THRESHOLD

**13.** Install and secure threshold with anchorage as shown in drawings.

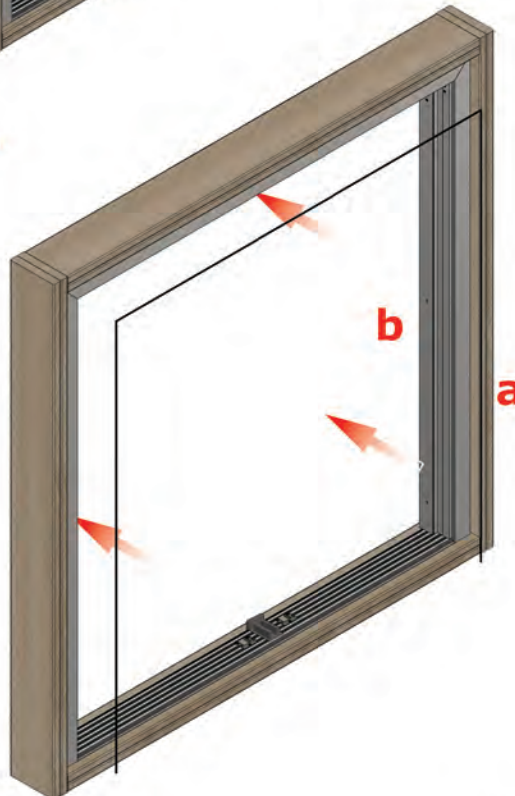
**13**



### INSTALL WEATHERSTRIP.

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

**14**



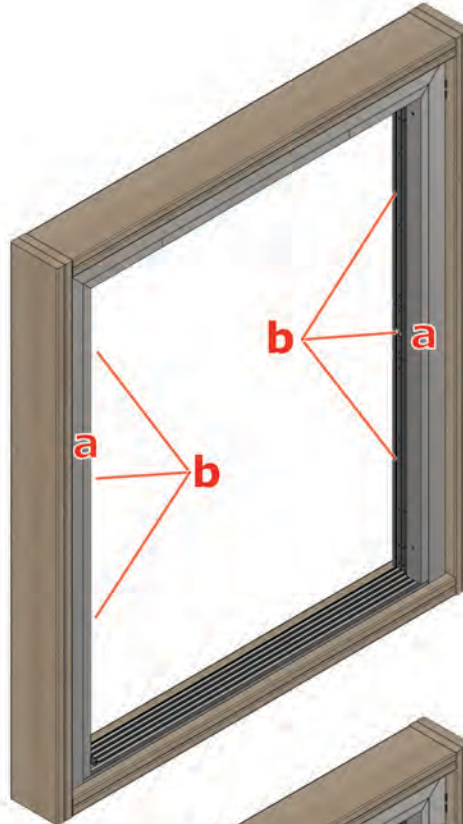
# TTH350 PAIR FEMA DOORS

## Prepare Hinge and Install Door Assembly

### PREPARE HINGE ON FRAME

15

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

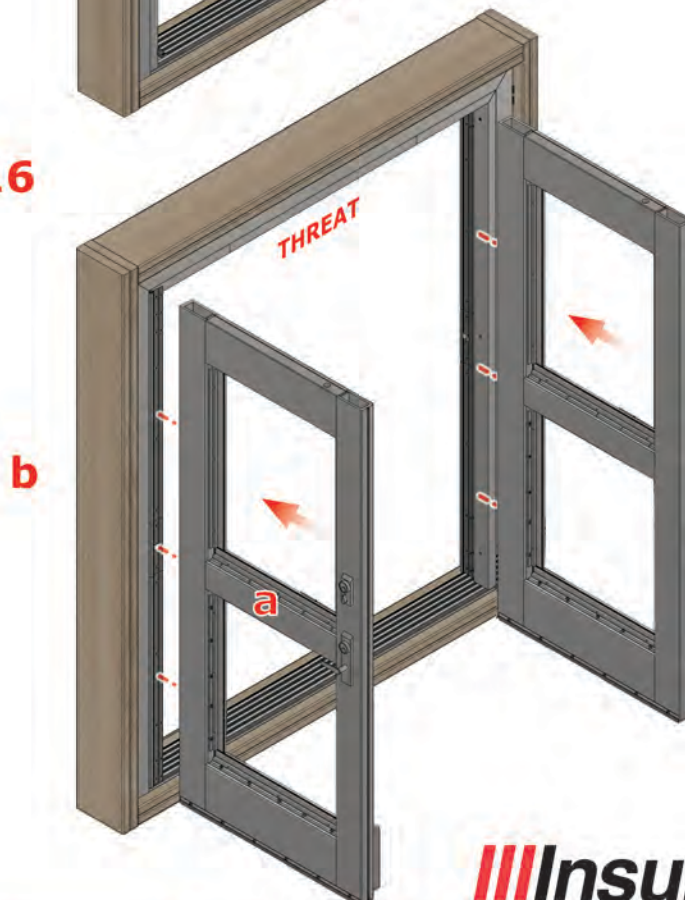


### INSTALL DOOR ASSEMBLY

16

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

Secure with appropriate hardware.





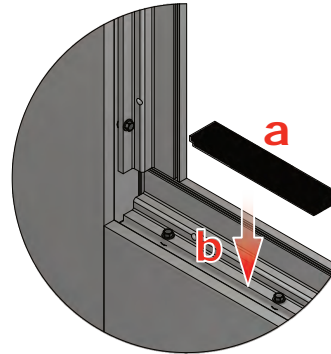
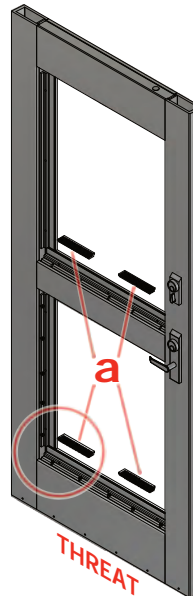
# TTH350 PAIR FEMA DOORS

## 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**).

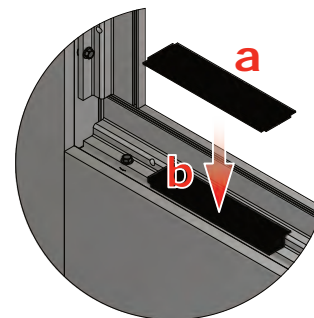
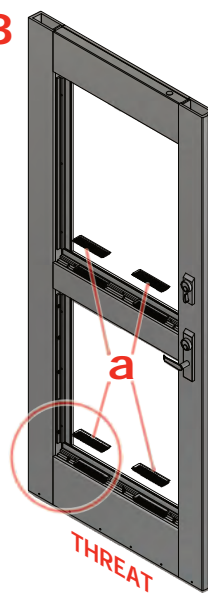
**17**



### INSTALL RUBBER SETTING BLOCKS

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

**18**

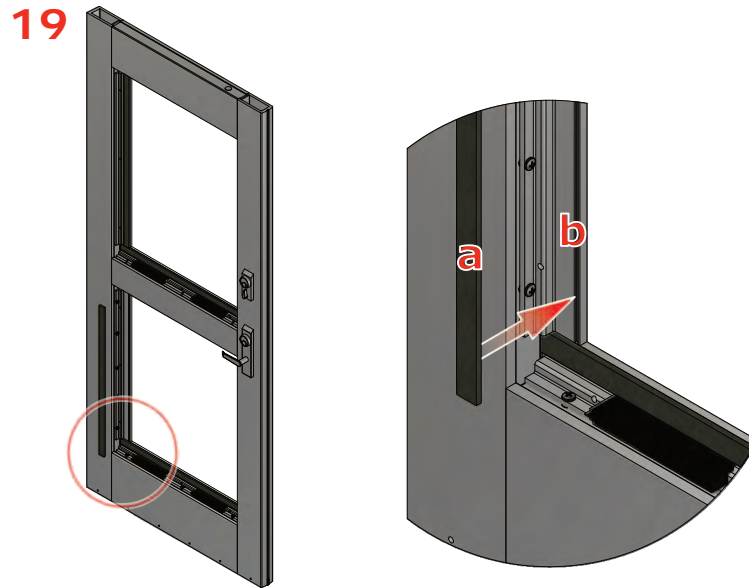


# TTH350 PAIR FEMA DOORS

## Install V2100 Tape and Glazing

### INSTALL V2100 TAPE

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

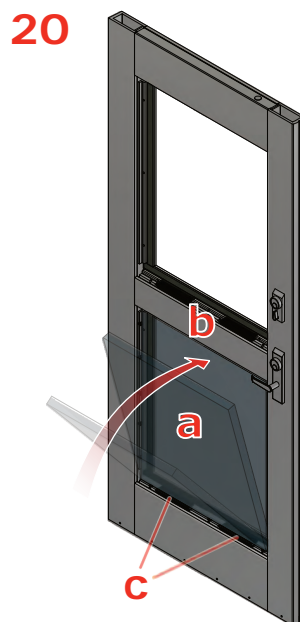


### INSTALL GLAZING

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.



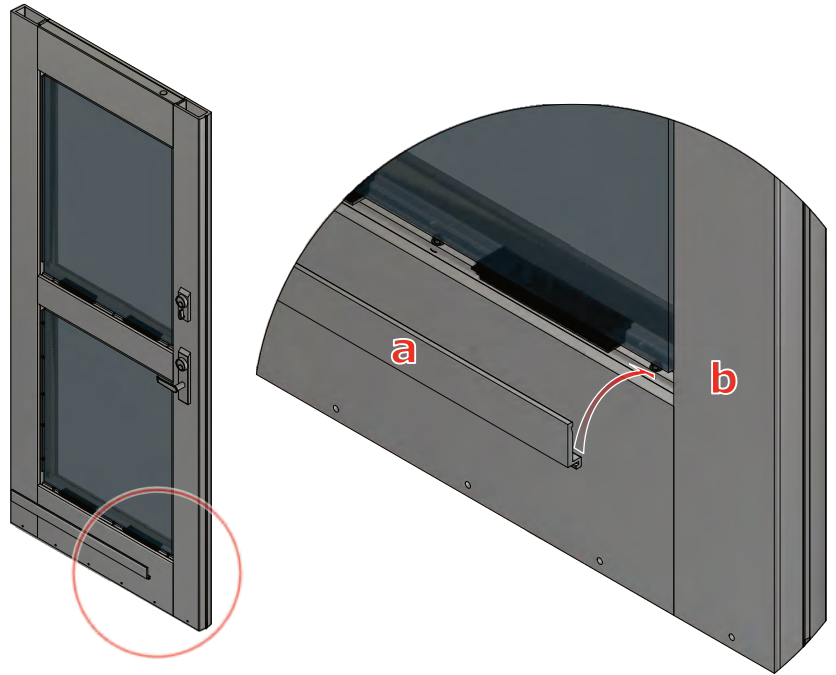
# TTH350 PAIR FEMA DOORS

## Install Removable Glazing Stop and Secure Glazing

### INSTALL REMOVABLE GLAZING STOP.

21

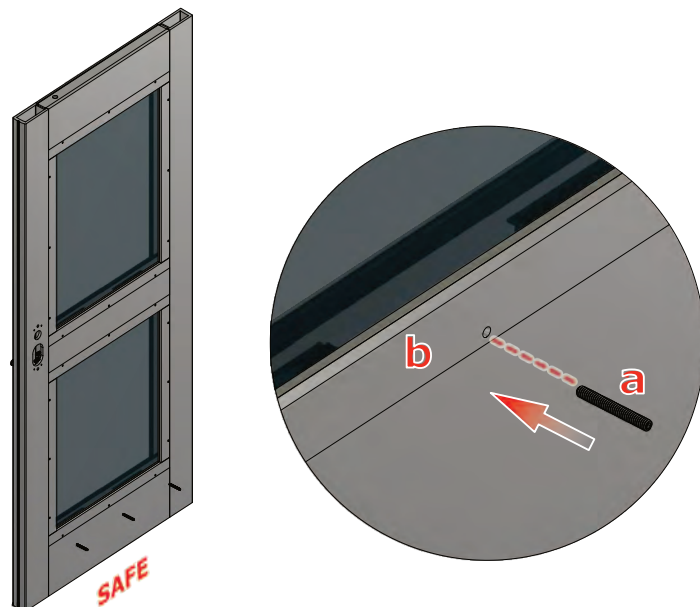
21. Install 1366-RS-x Removable Glazing Stop (a) by rolling it into place on the Door Assembly (b).



### SECURE GLAZING.

22

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





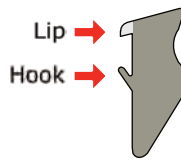
# TTH350 PAIR FEMA DOORS

## 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.

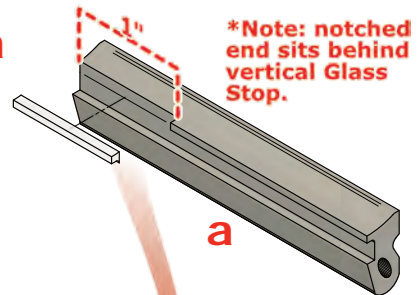


**23b.** Install *Wedge Seal* (a) by pushing it in between the *Glazing Stop* (b) and the *Glazing* (c). Ensuring the *Hook* stem locks into the channel.

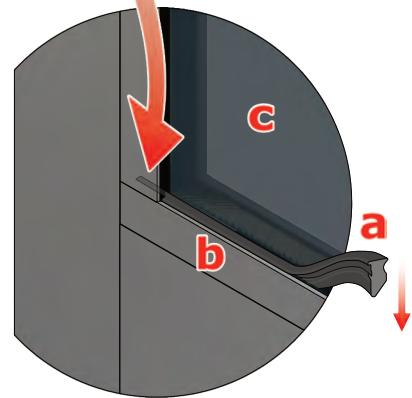
**23**



**23a**



**23b**

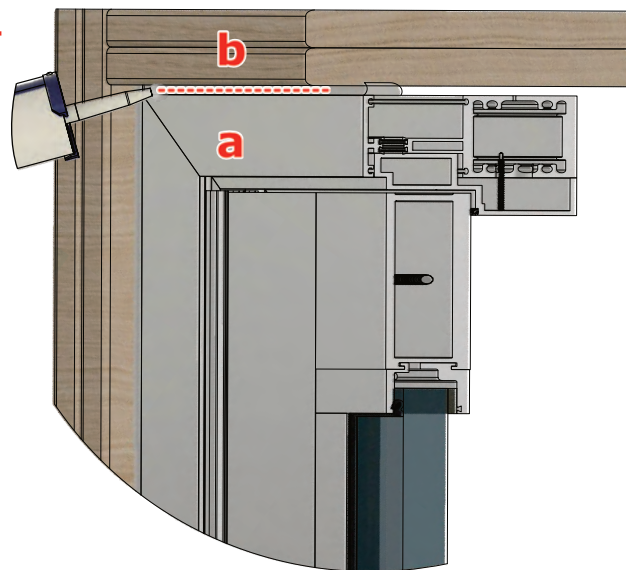


### APPLY SEALANT

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

Installation is now complete.

**24**



# TTH350 PAIR FEMA DOORS

## Install Removable Center Mullion

### INSTALL CENTER MULLION

25

25. Rock center mullion (a) in place and secure.

