

# MULTISLIDE DOOR INSTALLATION GUIDE



**CASCADE**  
W I N D O W S

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# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS

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# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



### THINGS TO KNOW

#### Hazard Notations

<p>Mistakes or misuse could cause damage to the product or result in a faulty installation.</p>	<p>Heavy object. Unassisted lifting may cause injury.</p>	<p>Information on helpful tips and procedures.</p>

#### Tools needed

#2 Phillips Screwdriver  
 Pry Bar  
 Drill  
 Square  
 Tape Measure  
 Fine Tooth Chop Saw  
 Safety Glasses  
 Utility Knife  
 Level  
 Hammer  
 Mallet

#### Supplies needed

Construction Adhesive  
 Flashing  
 Shims  
 Staples  
 Low Expanding Foam  
 Door Pan

### SAFETY & HANDLING

- **Understand ALL manufacturer's instructions before beginning to install your Cascade product.**
- Do not work alone. Use safe lifting techniques.
- Always wear your P.P.E. (e.g. safety glasses, gloves, ear protection, etc.).
- Use caution when handling glass.
- Operate hand/power tools safely and follow the manufacturer's operation instructions.
- Do not put stress on corners of frames.
- Store door in a well-ventilated area in a vertical, leaning position to allow air circulation.
- Protect from exposure to direct sunlight during storage.
- Install only into vertical walls and when conditions and sheathing are dry.

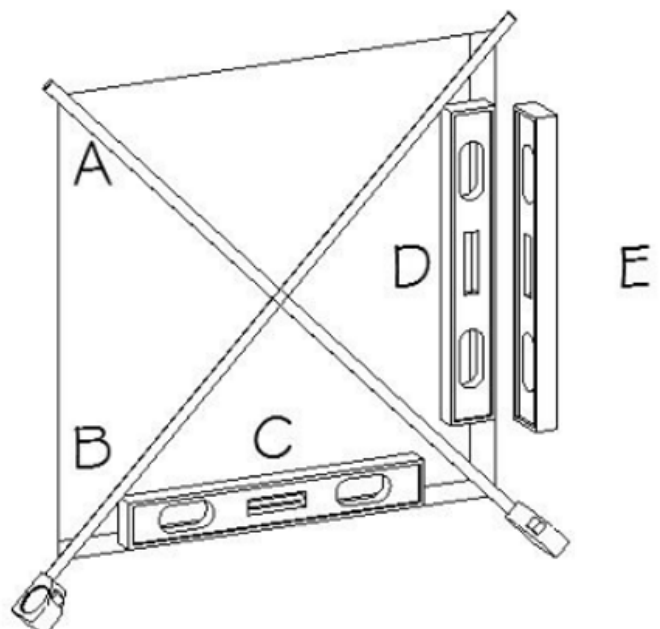
### HOW TO CHECK PLUMB, LEVEL AND SQUARE

**A & B** - Cross tape measurements to verify the opening is square.

**C** - Threshold level, free of any crowns and sags.

**D** - Plumb vertical jamb.

**E** - Plumb vertical exterior portion of the wall.



# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS

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### KD OR KNOCK DOWN FRAME BUILD

After you have unpacked the frame, start by identifying the sill (the sill can be identified by the weep holes), head and jambs. Be sure to assemble the frame one corner at a time. Saw horses are recommended to keep the frame profiles off the ground and safe from damage during assembly.

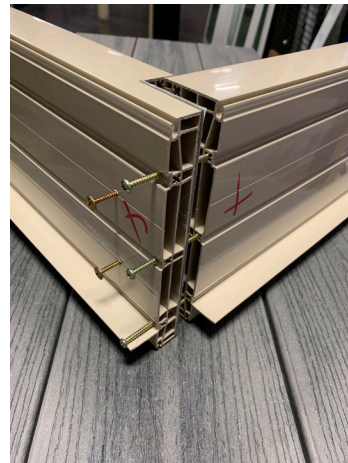
1. You will notice that the butt ends of the jambs have joining gaskets. Using the provided alcohol wipes (**Fig. 1**), clean the area where the jamb gaskets will be adhering to on the head and sill.
2. Remove the liner from the jamb gaskets (**Fig. 2**). Repeat the steps for the other jamb to sill/header joints.
3. Insert the packaged frame build screws into the pre-drilled holes in the jamb (**Fig. 3**). Pan head screws will go in the recessed sections of the frame. The washer head screws will go in the holes with the flat surface. One corner at a time, make sure each screw is aligned with the proper screw boss, and tighten each screw evenly until the jamb is tightened firmly against the sill and/or header. Be careful not to over torque and strip out the vinyl, or pull through the jamb's walls. There should be a slight dimple in the frame where the washer head screws are applied.
4. Remove the paper backing of the Seal Tape to expose the sticky side of the tape (**Fig. 4**). Apply the provided Seal Tape to the jamb-sill joint on both sides (**Fig. 5**).



(Fig. 1)



(Fig. 2)



(Fig. 3)



(Fig. 4)



(Fig. 5)

# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS

CASCADE  
WINDOWS

### KD OR KNOCK DOWN FRAME BUILD

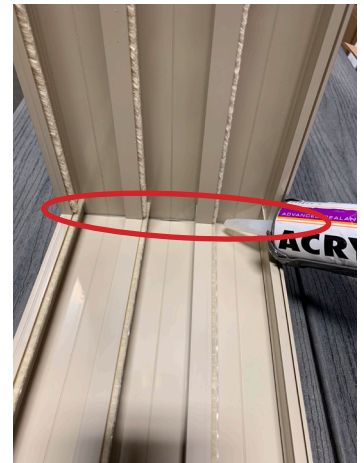
5. Once the tape has been applied, remove the Mylar backing (**Fig. 6**). Firmly rub one corner in and use your finger nail to get the edge of the Mylar backing to peel off. Once the Mylar backing has been removed, make sure you work the tape into any voids in the frame to ensure a good seal. (**Fig. 7**)
6. Use the provided SM5555 caulking to seal the interior joint, sill to jamb. You will need to slide the tracks out of your way in order to do this step correctly. (**Fig. 8**)
7. Last step, apply the nail fin corner. Using the SM5555 seam sealer, fill the outer most hole on top of the frame as well as apply a bead of seam sealer to the nail fin on the jamb and header (**Fig. 9**). Firmly apply the nail fin corner into place. Make sure the nail fin corner is on the outer portion of the frame mounted to the face of the frame (**Fig. 10**).



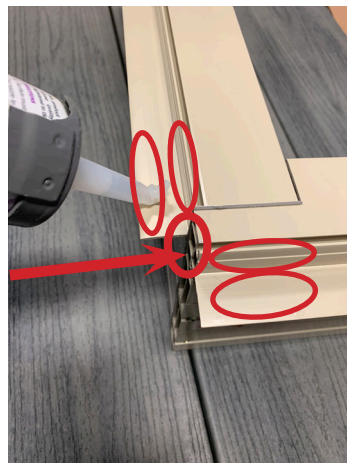
(Fig. 6)



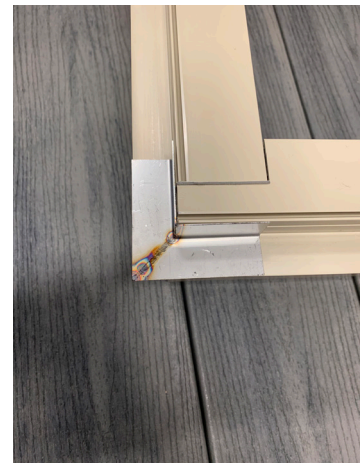
(Fig. 7)



(Fig. 8)



(Fig. 9)



(Fig. 10)

# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



### GENERAL INSTALLATION INSTRUCTIONS

#### 1. INSPECT PRODUCT AND CARE

- Carefully remove any shipping materials. (e.g. corner covers, shipping blocks, plastic wrap, etc.)
- Check for any cosmetic damages.
- Correct product. (size, color, handing, etc.)
- Use provided QC check list to make sure all parts are accounted for in the hardware box.

If any of the above conditions are a concern, contact your dealer or Distributer for recommendations prior to installation.

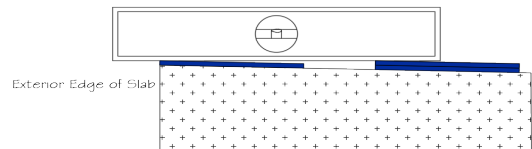
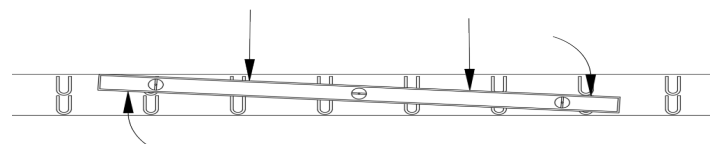
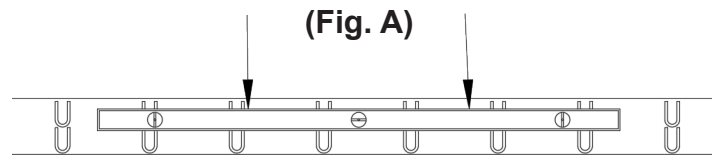
#### 2. INSPECT THE ROUGH OPENING

- Verify the width and height of the opening for proper clearance.
- Verify the opening is square by measuring diagonally from one corner to the other on both sides.
- Verify the opening is level and plumb.

These steps are important to acquire a trouble-free installation. If these conditions are not met, you will need to adjust accordingly.

### FRAME INSTALLATION

1. Build your frame. (**see installation instructions for KD or KNOCK DOWN frames**)
2. Clean and level the threshold thoroughly. Shims must be placed no more than 2 inches apart, as well as the entire depth of the frame's threshold.



**With multiple tracks it's very important to make sure the threshold is level the length of the opening and the distance from the interior to exterior. (Fig. A & B)**



**\*\*FAILURE TO PROVIDE AN ADEQUATE PAN, WITH A WOOD THRESHOLD, WILL VOID ITS WARRANTY.\*\***



It is necessary to have assistance when carrying the unit as well as removing and installing the panels.



Proper steps must be taken when flashing and applying sealant to ensure proper waterproofing of the unit.

# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



### FRAME INSTALLATION CON



When installing a three track MultiSlide your screw pattern should be every 16 inches in the outer and inner track. In these tracks, make sure your screws are not on the die line but towards the center of the frame, if the screws are exposed and need to be pre drilled. **(Fig. C)**. When installing a four track MultiSlide your screw pattern should be every 16 inches in the outer track and the two inner tracks. Make sure your screws are not on the die line but towards the center of the frame, if the screws are exposed and need to be pre drilled. **(Fig. D)**

3 track screw placement. Do not pre-drill 3/8 holes on the die lines.



**(Fig. C)**

4 track screw placement. Do not pre-drill 3/8 holes on the die lines.

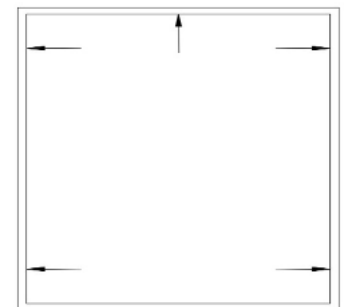


**(Fig. D)**

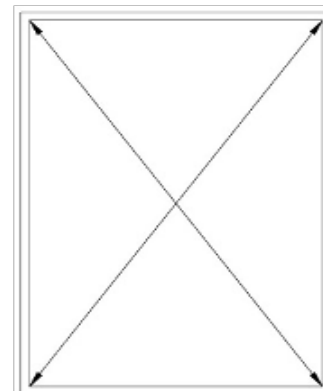
3. Flash the opening according to AAMA standards.
4. Apply two 3/8" beads of polyurethane to the entire length of the threshold, above and below any shims and surrounding areas.
5. Set the frame of the door into the opening and walk across the threshold to compress the sealant.
6. With the frame screws provided **(Fig. E)**, secure the four corners and one screw in the middle of the header to eliminate sagging and misreading's when cross taped for squareness. **(Fig. F)**
7. Cross tape your frame to make sure the frame is square. **(Fig. G)**
8. Place a level on the jamb to make sure its plumb interior to exterior.



**(Fig. E)**



**(Fig. F)**



**(Fig. G)**



**IT IS VERY IMPORTANT TO MAKE SURE THAT THE JAMB IS PLUMB FROM THE EXTERIOR TO THE INTERIOR. IF THE JAMB HAS ANY KIND OF BOW IN IT, IT WILL IMPEDED THE OPERATION OF THE DOOR AND THE DOOR WILL MOST LIKELY KNOCK WHEN THE PANEL IS SHUT**

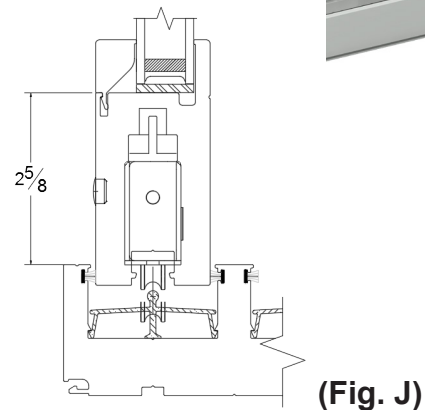
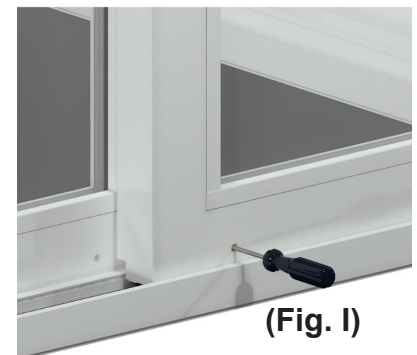
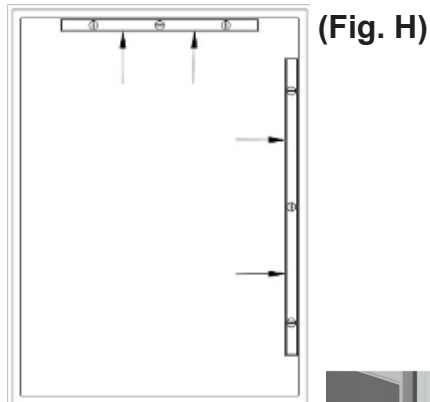
# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



### PANEL INSTALLATION

9. Secure the jamb and header of the frame placing the screws in the appropriate tracks, **(Fig. C & D, previous page)** no more than 16 inches apart and roughly 3-6 inches from the corners. Use a level to make sure the jamb is plumb side to side and there is no daylight between the level and the frame. Level and secure the header making sure it's perfectly straight. **(Fig. H)**
  10. Install the first X panel into the inner most track.
  11. Raise the wheel adjustment using a Philips hand screwdriver. **(Fig. I)**
    - **On a 3750 door, the panel should be raised 2 5/8 from the top of the parting bead to the bottom of the glazing bead. (Fig. J)**
    - **On a 2750 door, raise the wheel adjustment to its max height.**
- Be careful not to over torque the screws. It's suggested to tip one corner up to take the weight off of the wheel.
12. Slide the panel to each jamb and look at the reveals. **(Fig. K)**
  13. Install the 2nd panel following the same rule as step 11.
  14. Check the reveal with the 2nd panel against the stacking side jamb. It should be even and straight just as the first panel.
  15. Hold the locking active panel and the 2nd panel together and slide them as one. Check to see if the panels are sliding evenly together without shifting opposite of each other.
  16. Follow steps 11-16 for your 3rd active panel if you have a 4-track door.
  17. After all the panels are installed, adjust the frame as necessary to get the acquired reveals





# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



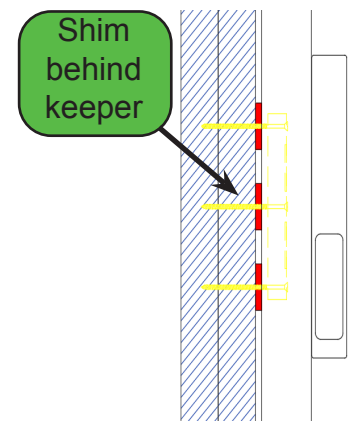
### LOCK AND HARDWARE INSTALLATION

18. Make sure the O Panel setting blocks are positioned correctly. One should be positioned near the jambs corner and the other block should be placed approximately where the other edge of the O panel will sit.
19. Install the O panel into the head of the frame and onto the setting blocks. Push the panel completely into the jamb pocket. **\*\*Do not secure the O panel into place at this moment\*\***
20. If the door does not have flush mounted hardware you will need to install the handle hardware now. (see hardware diagram page 12 & 13)
21. Install the keeper. Lock the keeper onto the door panel. Slide the door close to the jamb and mark the frame where the top of the keeper is positioned. (Fig. L)
22. Unhook the keeper from the panel and set it in the jamb, lining it up with the pencil mark transferred to the frame. Use the die line in the center of the pocket for the center reference; mark the center of the top and bottom holes on the frame.
23. With the keeper screws provided, secure the keeper onto the frame.
24. Slide the panel close to the frame to check that the frame has no bows. **\*\*Do not over tighten the keeper screws and bow the frame.\*\***
25. Slide the X panel into the jamb and test the lock.
26. With the keeper installed and locking correctly, finish off the last screw. Place the screw at the top of the center oval hole. By doing this, it will lock your keeper in place which in turn will help eliminate service issues in the future.

27. Place shims between the framing of the opening and the door's frame where the keeper is located. Make sure the shims are firmly in place to eliminate any movement (shim every 16 inches on the jambs and every 24 inches on the header). (Fig. M)



(Fig. L)



(Fig. M)



**When installing any hardware always use a #2 Philips hand screwdriver.**

**IMPORTANT NOTE-** If installing standard hardware with no key lock, you **MUST** use the filler piece in place of the key lock (Fig. N). Failure to do so could compromise the security of the product.



(Fig. N)

# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



### CAPS AND PANEL STOP INSTALLATION

28. Install the strike side jamb caps. **\*\*Add dabs of polyurethane on both sides of the pocket, top and bottom as well as every 16 inches between. This will help eliminate any movement of the caps.\*\***
29. Installing the header and threshold caps. Shut the door completely; the hardware should be about 1/16" away from the parting bead of the frame. Push back the other panels making sure the interlocks are completely engaged but the main active panel is still in the position noted above.
30. Mark on the sill and header of the frame where each panel ends.
31. Measure from your line to the jamb's parting bead and deduct 1/8". Keep in mind the thickness of the bumper on the X panel track/ tracks needs to be included in the overall size. For the O panel just measure from the jamb's parting bead to the panel and deduct 1/8".

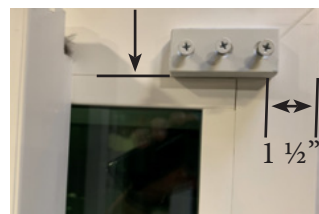
**\*\*In the end, there needs to be at least 1/8" gap between any sill and header cap.\*\***

#### Panel Stop Installation

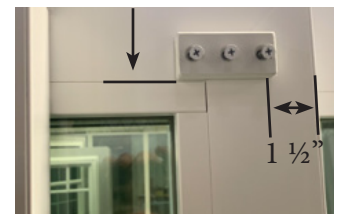
If you ordered a 3750 door without the flush mount hardware or ordered a 2750 door, the door will come with a Panel Stop and screws. This is needed on the 2nd panel. The purpose of the Panel Stop is to stop the active panel before the handle hardware hits the 2nd panel. On both the 2750 and 3750 door the panel stop should be mounted 1 1/2" from the back of the 2nd panel, and just above the glazing bead. If the panel is not drilled out you will need to align the panel stop in the proper position and mark where to drill. Completely open the door and make sure the panel stops at the stop before the handle hardware makes contact with the 2nd panel. Once sure of the placement, pre-drill with a 9/64 bit and secure with the screws provided.



Panel Stop



2750 Placement



3750 Placement

#### INSTALLATION OF TOP AND BOTTOM CAPS



Trimming the caps is one of the most important steps of installing these doors. Failure to allow for proper clearance will result in faulty operation and damage to the product. If the Threshold Cap is installed tight it can split the main frame at the corner due to thermal expansion of the aluminum. This will not be covered under warranty. If the caps for the other X panels don't have the proper clearance, it could result in the door not locking properly.

# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



### CAPS AND SECURIING O PANEL

32. Install the threshold caps. The rounded end of the outer most cap faces the exterior. **(Fig. O)** Make sure to put the bumper in the middle track/tracks.
33. Install the top caps. **\*\*Add dabs of polyurethane on both sides of the pocket, top and bottom as well as every 16inches between. This will help eliminate any movement of the caps.\*\*** Be careful not to go further than the length of the caps with bumpers. Make sure to put the bumper in the middle track/tracks.
34. Slide the door shut and check for proper clearance and operation of the lock.
35. With the fixed panel screws provided **(Fig. P)**, secure the O panel. Place screws in the parting bead where the weather stripping is located. Secure the panel at the top, bottom and middle. **(Fig. Q)**
36. Install the interior stacking side jamb caps.
37. On new construction doors, finish off the screws on the nail fin, as well as the sealant and flashing, according to industry standards.
38. Install button plugs in any 3/8" pre-drilled holes, including the wheel adjustment holes.



**(Fig. O)**



**(Fig. P)**



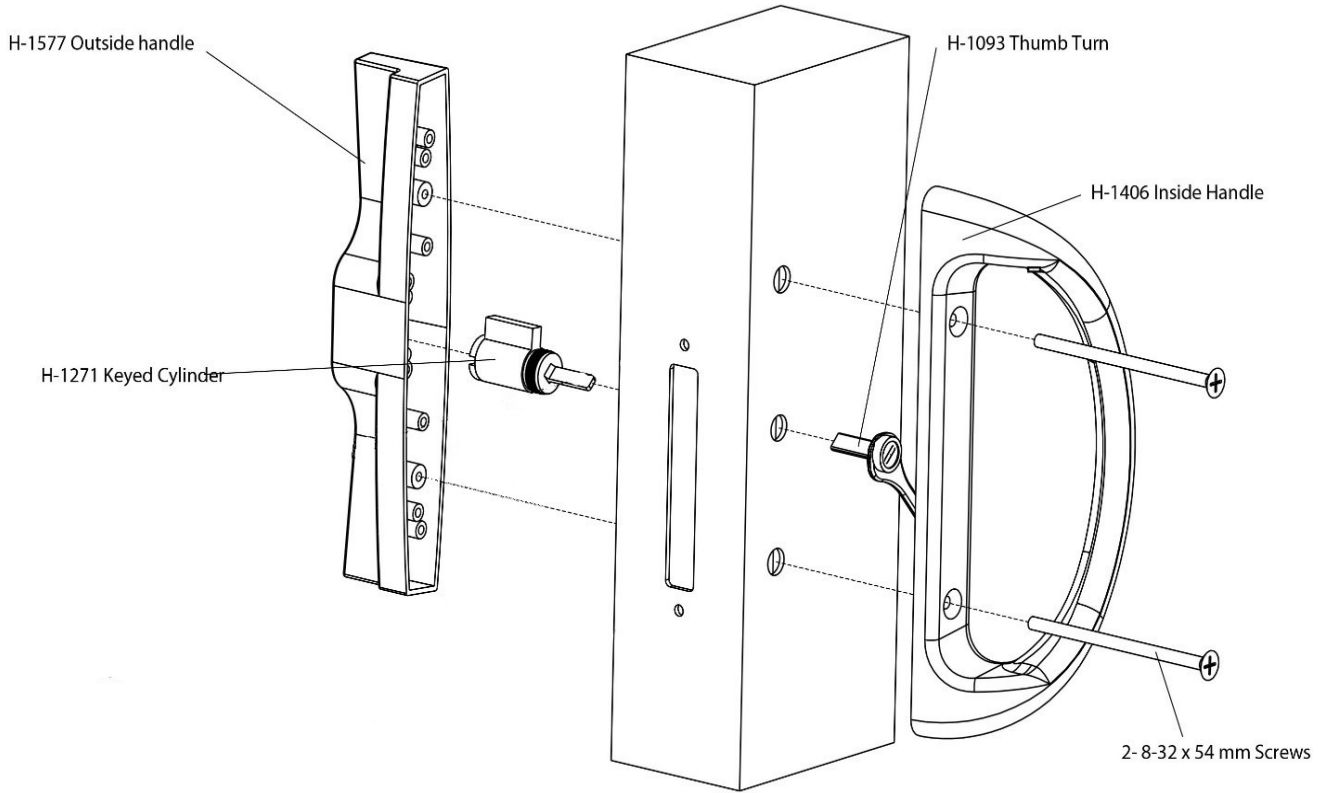
**(Fig. Q)**

# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



### STANDARD HARDWARE W/ KEY LOCK



**PROPRIETARY AND CONFIDENTIAL**  
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	
		DIMENSIONS ARE IN INCHES	DRAWN			TITLE:
		TOLERANCES:	CHECKED			
		FRACTIONAL ±	ENG APPR.			
		ANGULAR: MACH ± BEND ±	MFG APPR.			
		TWO PLACE DECIMAL ±	Q.A.			SIZE DWG. NO. REV
		THREE PLACE DECIMAL ±	COMMENTS:			<b>A</b> S-1550 install
NEXT ASSY	USED ON	MATERIAL				SCALE: 1:8 WEIGHT: SHEET 1 OF 1
	APPLICATION	FINISH				
		DO NOT SCALE DRAWING				

5

4

3

2

1

# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



### SIGNATURE SERIES W/ KEY LOCK

**STEP 1**  
MEASURE DOOR THICKNESS.

**STEP 2**  
DETERMINE THE PROPER LENGTH OF MOUNTING SCREWS.

#8-32 X 1.75

#8-32 X 2.125

#8-32 X 2.5

DOOR THICKNESS RANGE	#8-32 PHILLIPS SCREW LENGTH
1 3/16 TO 1 9/16	1.750
1 9/16 TO 1 15/16	2.125
1 15/16 TO 2 5/16	2.500

**TRUTH HARDWARE**  
Truth Hardware, an FKI Industries company  
700 West Bridge Street  
Owatonna, MN 55060  
Telephone 507-451-5620

**INSTALLATION INSTRUCTIONS**  
HANDLES, KEEPERS AND OTHER COMPONENTS MAY NOT BE AN EXACT MATCH WITH WHAT YOU ARE INSTALLING BUT THE INSTALLATION PROCEDURE IS BASICALLY THE SAME.

**STEP 3**  
LOCK CYLINDER / ESCUTCHEON ASSEMBLY

**STEP 4**  
SIZE TAIL PIECES TO SUIT DOOR THICKNESS

DETERMINING TAIL PIECE BY FINDING BREAK MARK CLOSEST TO 1/2 DOOR THICKNESS MAX.

**STEP 5**  
BREAK OFF TAIL ENDS WITH PLIERS

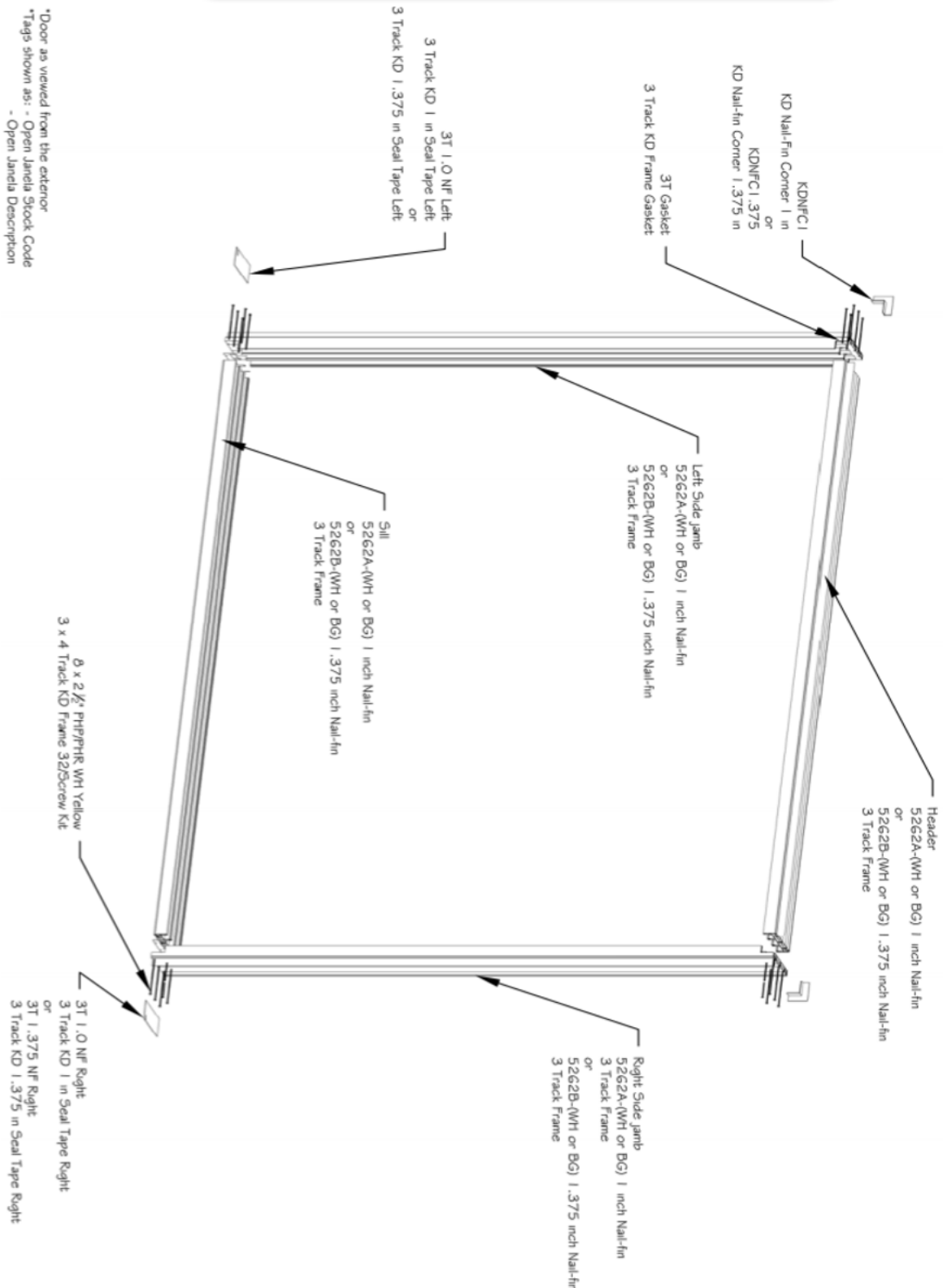
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# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



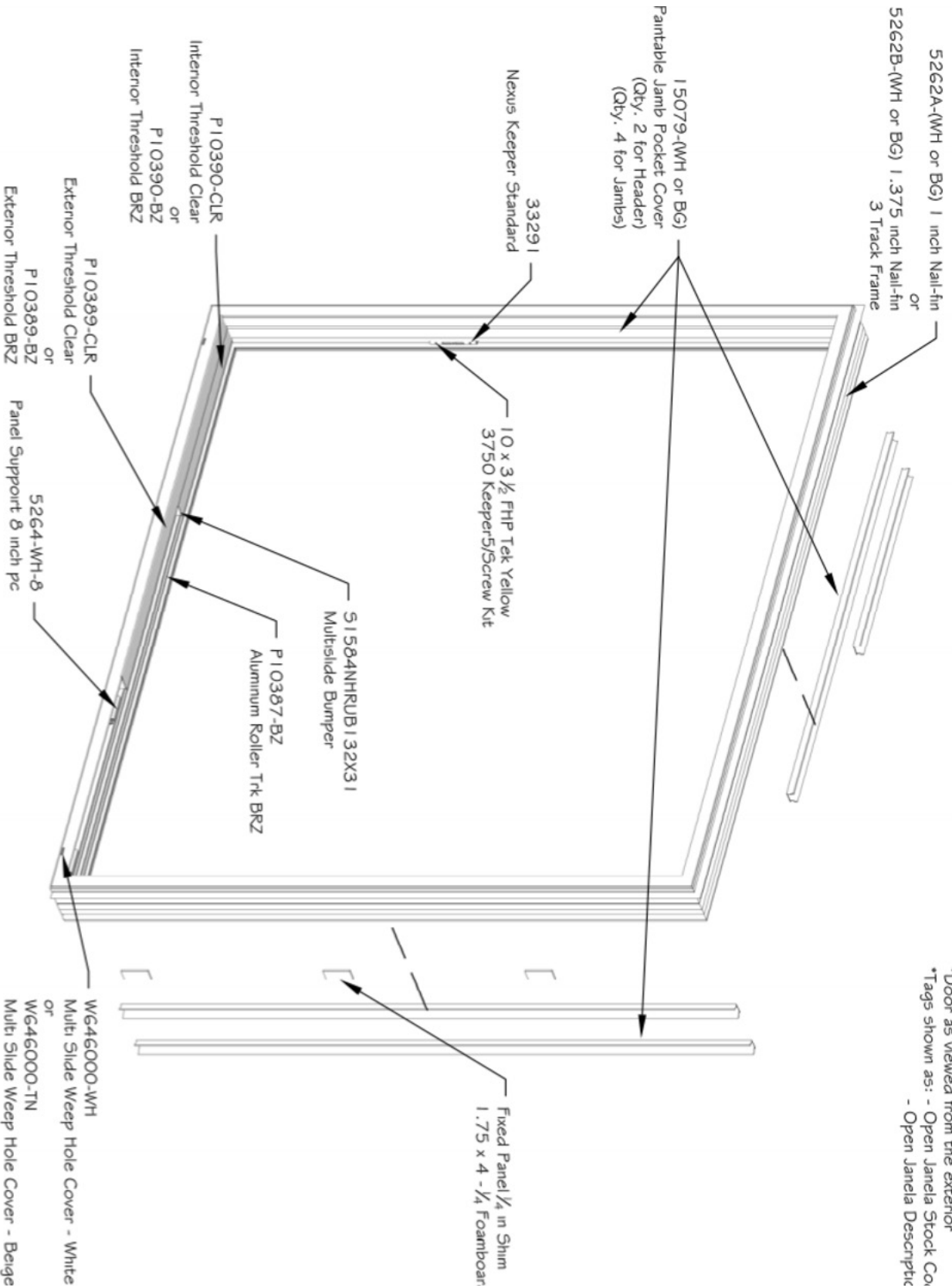
### EXPLODED FRAME VIEW



\*Door as viewed from the exterior  
 †Tags shown as: - Open Jamb/ Stock Code  
 - Open Jamb/ Description

# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



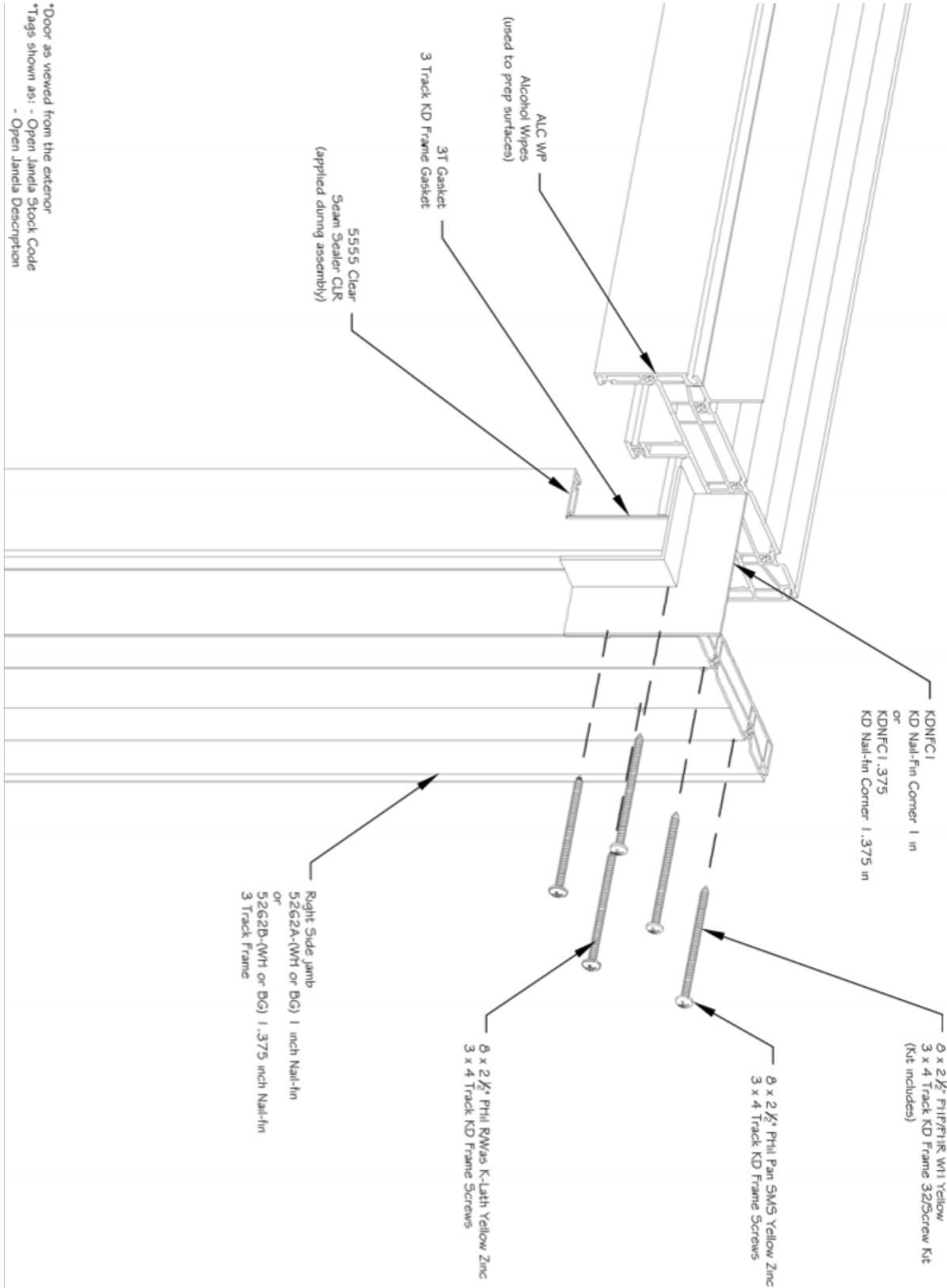
\*Door as viewed from the exterior  
\*Tags shown as: - Open Jambela Stock Co  
- Open Jambela Descriptic





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## INSTALLATION INSTRUCTIONS



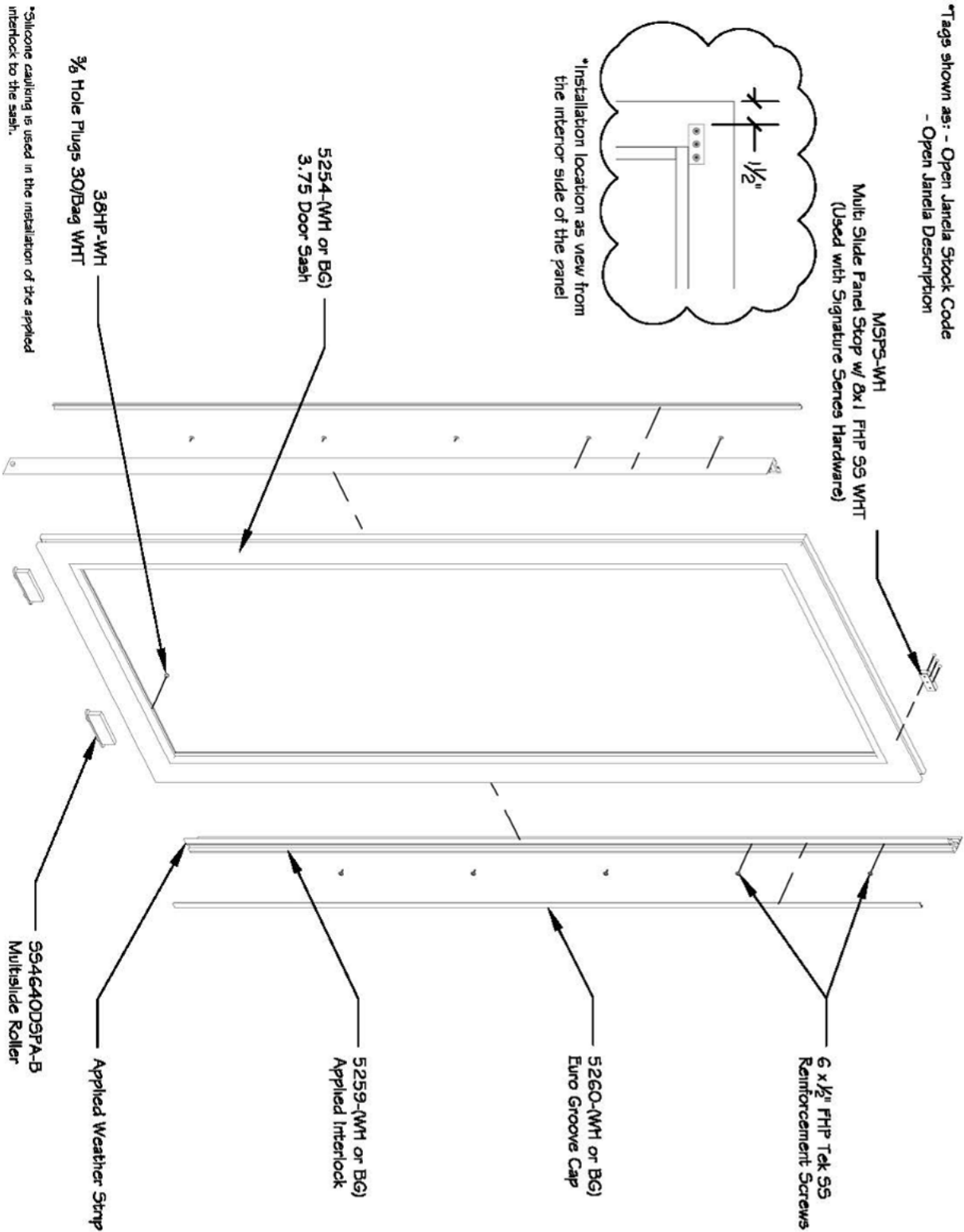
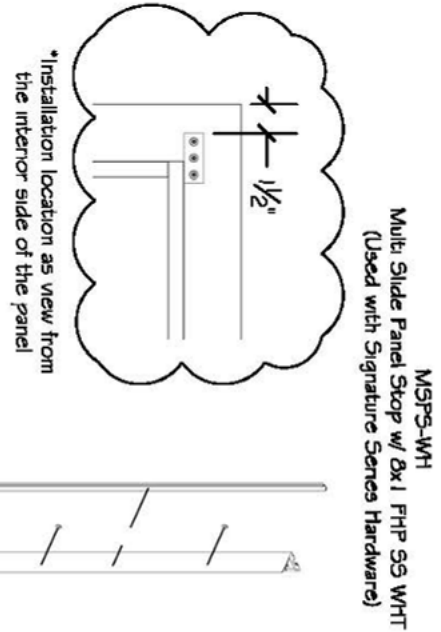
\*Door as viewed from the exterior  
 \*Tags shown as: - Open Jamb Stock Code  
 - Open Jamb Description

# MULTISLIDE DOOR

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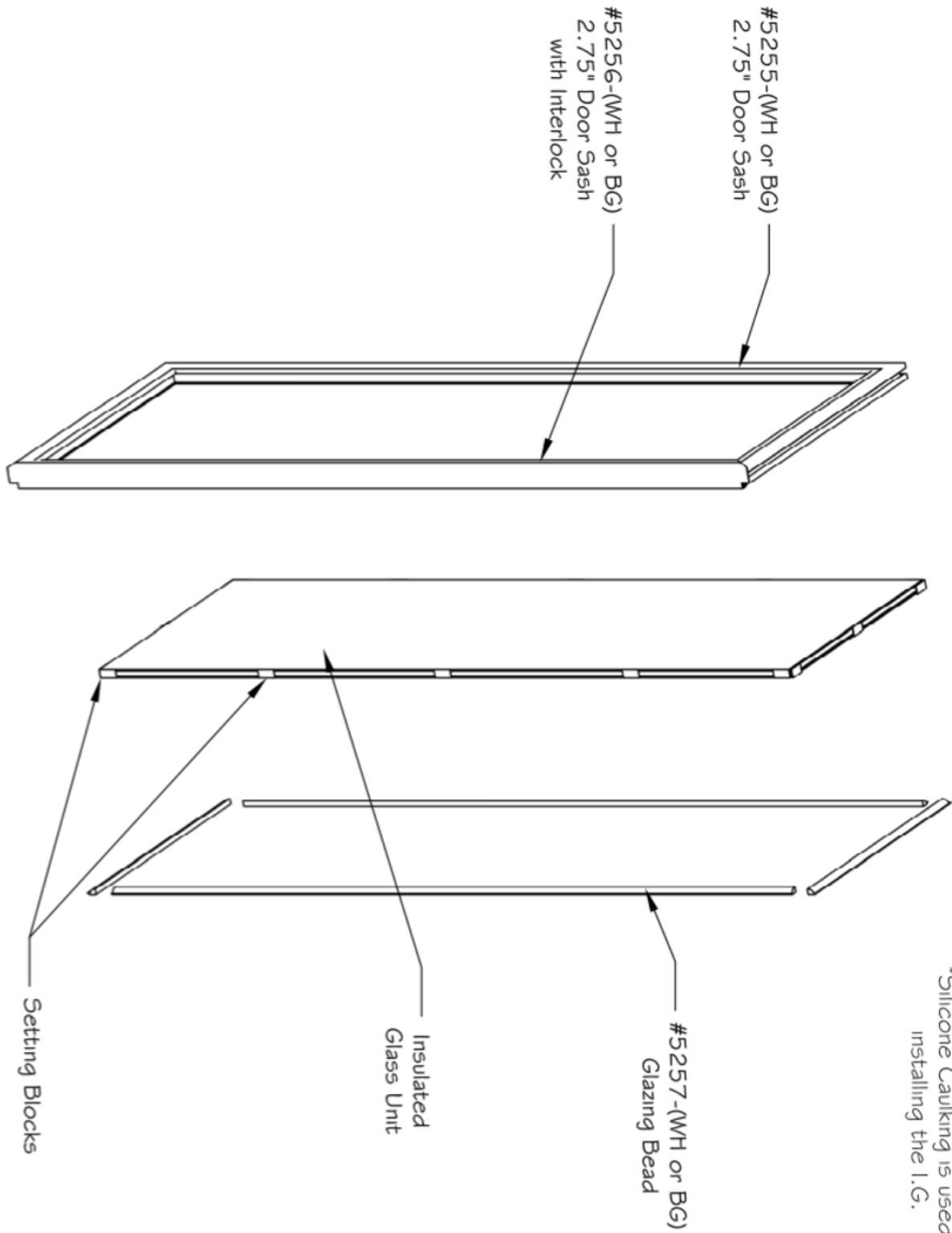


\*Tags shown as: - Open Janela Stock Code  
- Open Janela Description



# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



\*Silicone Caulking is used when installing the I.G.

# MULTISLIDE DOOR

## INSTALLATION INSTRUCTIONS



\*Tags shown as: - Open Janela Stock Code  
 - Open Janela Description

