

Neuma
DOORS®

Bypass Gliding



Bypass Gliding Installation Guide

FAILURE TO STRICTLY FOLLOW THE MANUFACTURERS INSTALLATION INSTRUCTIONS (INCLUDED WITH THE UNIT) COULD CAUSE THE UNIT TO FAIL AND MAY VOID THE MANUFACTURER'S WARRANTY.

DISCLAIMER: Any claim caused by a failure to strictly follow the installation instructions will not be considered a factory defect and will not be the responsibility of the manufacturer, distributor or dealer. It is the sole responsibility of the installer and owner to insure that this product is installed according to the written installation instructions included with this product. It is the responsibility of the installer to follow local building codes and practices and ensure proper sealing and weatherproofing of the door unit.

Installation Checklist

Review the following checklist at each step of the installation process

Receive and Inspect Door

- Verify that the door has been received as ordered
- Check and make sure that door is free of damage
- Report any damage or order inaccuracy immediately to the dealer where the door was purchased
- Store door in a safe dry place to avoid damage

Pre-Installation

- Verify that rough opening is prepared for installation and is square and level
- Report any problems with the rough opening to the responsible party and verify that the problem is corrected before proceeding with the installation.
- Verify that the header is the appropriate size as determined by third party engineer
- Ensure that required design elements, such as overhangs, are present
- Verify local codes and practices related to the installation of the door

Installation

- Verify that all installation materials to be used are compatible
- Consult with contractor or on site authority and follow appropriate instructions related to the water resistant barrier and flashing
- Verify that the frame has been sealed and joined at all points indicated in the instructions
- Check the opening for correct dimensions
- Verify that the frame has been installed at the correct depth within the opening
- Ensure that the frame has been installed plumb, level and square
- Verify that shims were used under sill when required
- Verify that jambs were shimmed at recommended locations to prevent the frame from rolling or twisting
- Verify that no shims were used between head track and header except as recommended in instructions
- Verify that the head track is installed as directed by engineer
- Ensure that all installation holes are prepared correctly
- Ensure that sealant is applied to sill and sill installation holes prior to inserting screws and to the top of the screw heads once inserted
- Verify that the provided screw placement schedule has been followed
- Verify that the door operates and is properly adjusted
- Ensure that installation is in accordance with all manufacturer instructions

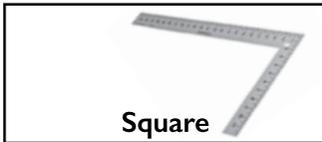
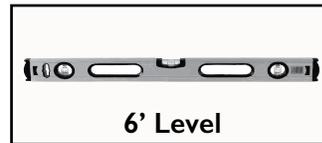
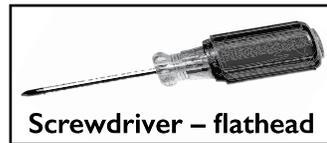
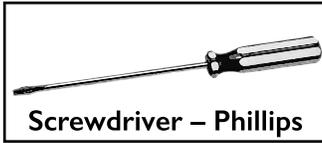
Final Check

- Check that frame is plumb, level and square
- Make all necessary adjustments to the door and ensure that the door is operating properly
- Verify that all hardware functions as intended
- Protect door against damage from construction site and prevent door from being used as a pass- through by trades during construction
- Make sure that all necessary adjustments are done prior to installation of exterior and interior finishes

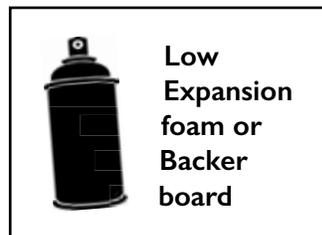
Recommended tools and materials

(not supplied by Neuma Doors)

Tools



Materials



MATERIAL REQUIRED TO PREPARE:

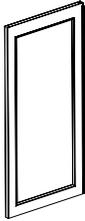
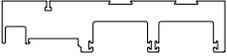
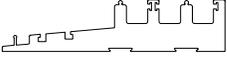
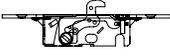
- Shims / spacers (12 to 20)
- 2" galvanized roofing nails (1/4 lb.)
- 4" wide water resistance adhesive membrane
- Silicone Sealant
- Interior trim and / or jamb extensions (15 to 40 ft)
- #10x3" installation screws

TOOLS REQUIRED:

- Tape measure
- 6' Level
- Square
- Hammer
- Stapler
- Scissors or utility knife
- Screwdrivers
(#2 Phillips & small flat blade)
- Drill
- 13/32" & 1/8" Drill Bits

Parts List

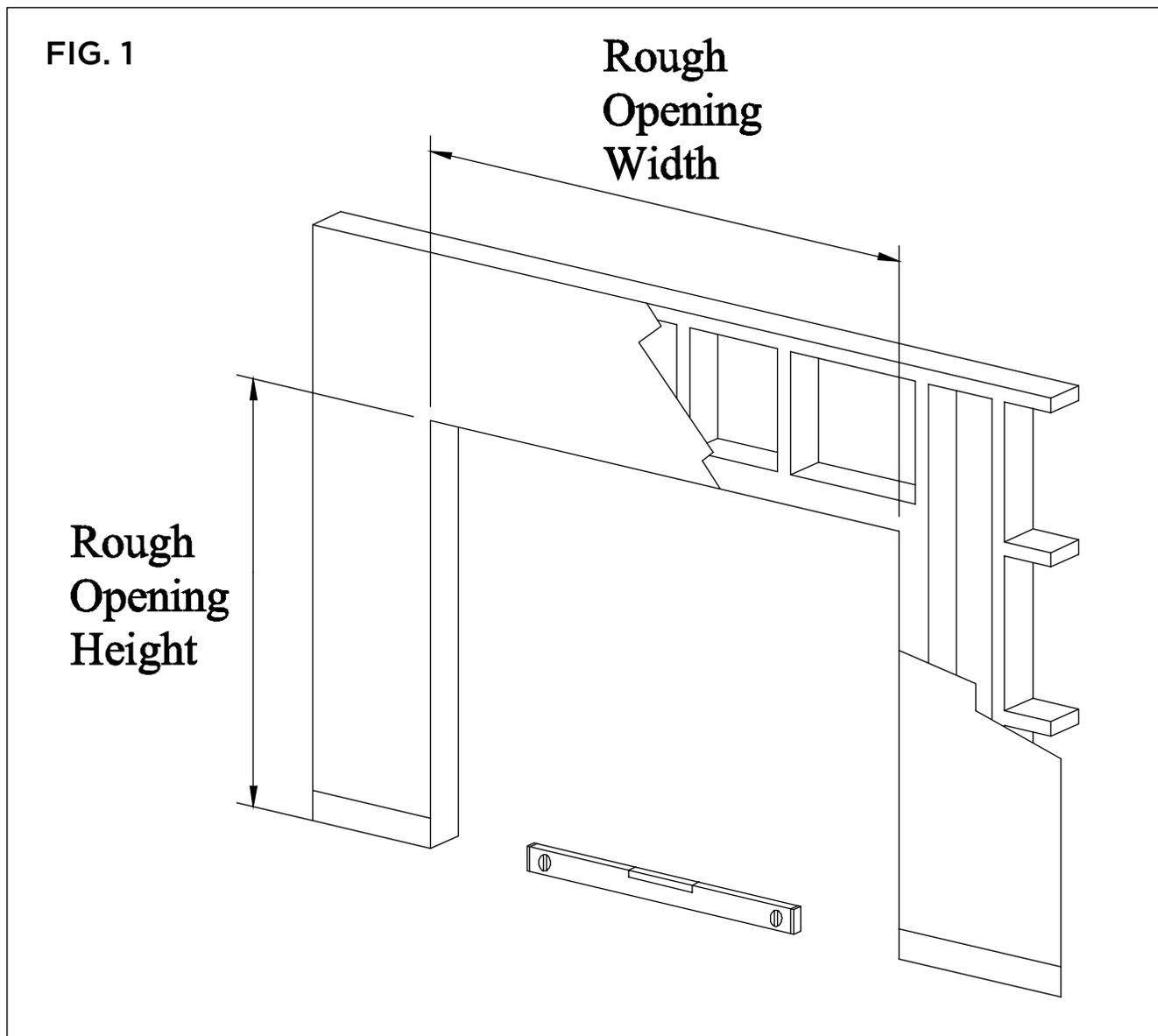
(Supplied by Neuma Doors)

Part	Description
	GLAZED DOORS WITH HARDWARE
	FRAME HEAD & JAMB
	SILL
	THRESHOLD
	FIXED PANEL BASE
	WIND STOPPER (A)
	WIND STOPPER (B)
	FRAME WIND STOPPER
	SILL WIND STOPPER
	LOCK KEEPER
	SINGLE LOCK
	HANDLE SET
	EXTENSION BAR (FOR DP50 & DP100)
	BUBBLE COVER (FOR DP100)

Inspect door panels and frames for correctness

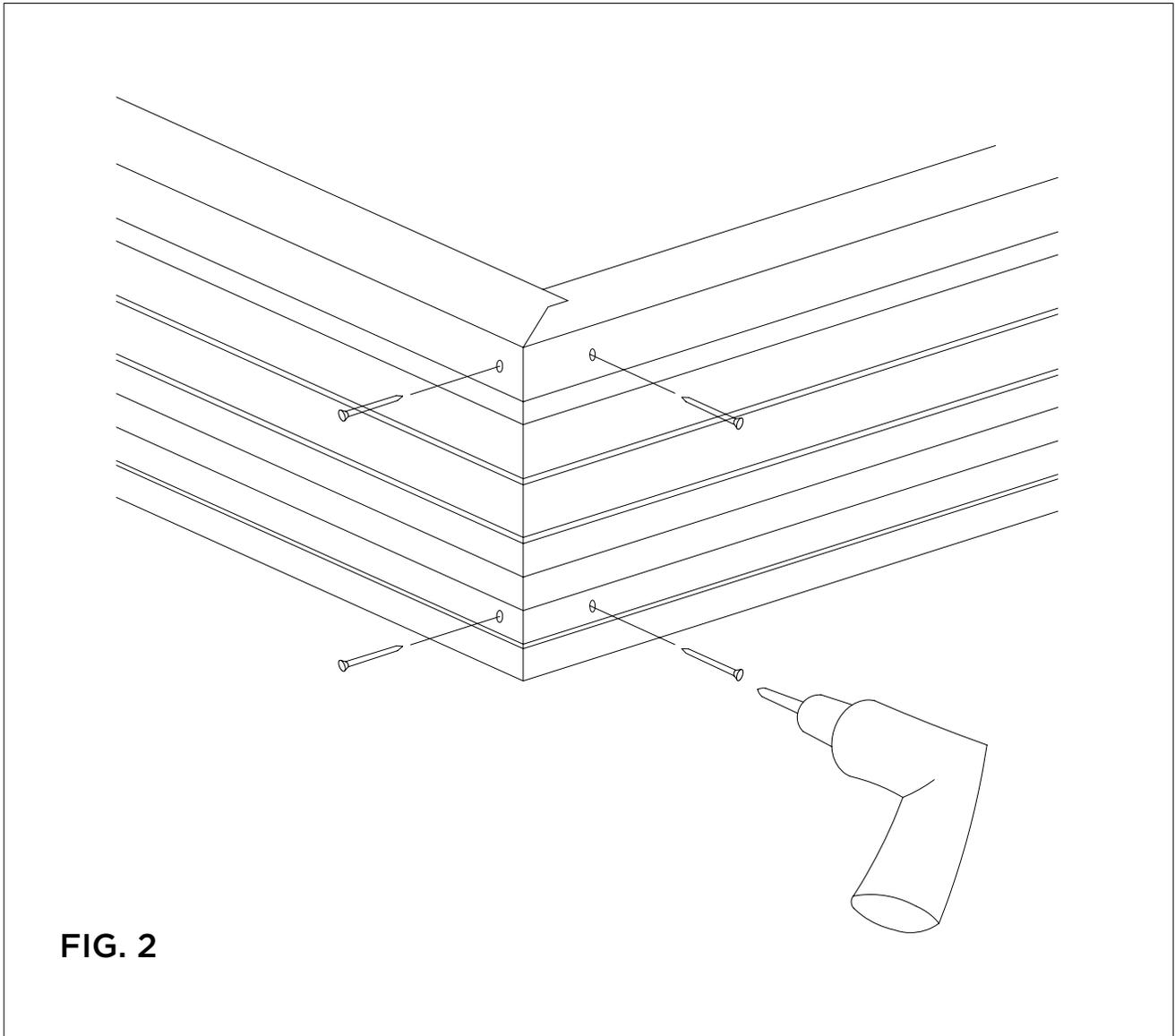
ROUGH OPENING INSPECTION

1. The rough opening should be $\frac{3}{4}$ " wider than the frame width, and $\frac{1}{2}$ " higher than the frame height.
(See Fig.1)
2. Check that subfloor is level and clean away all debris before setting door assembly.

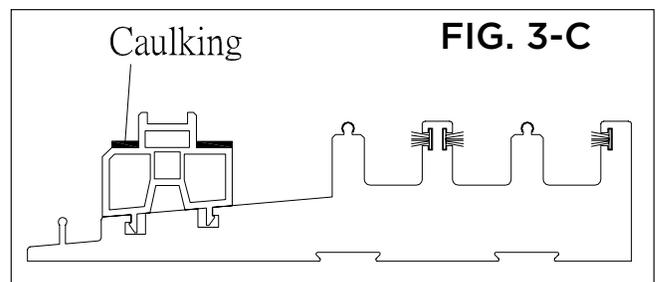
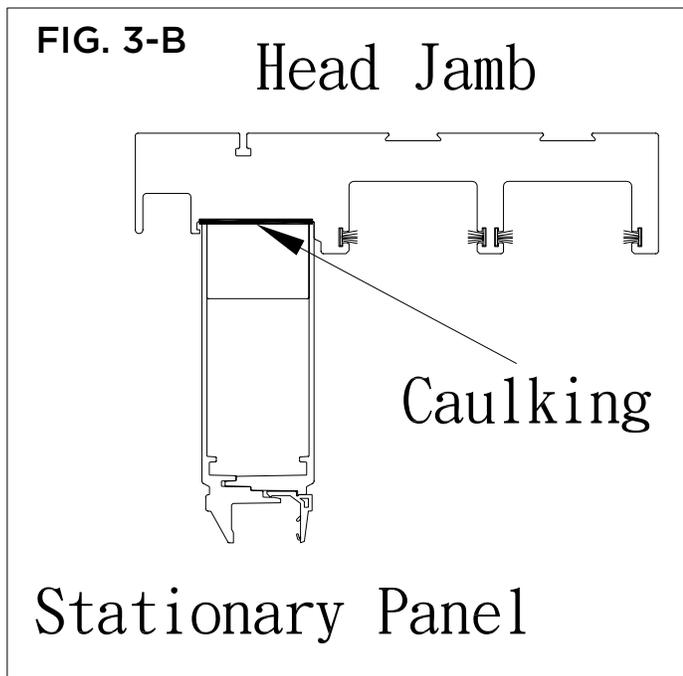
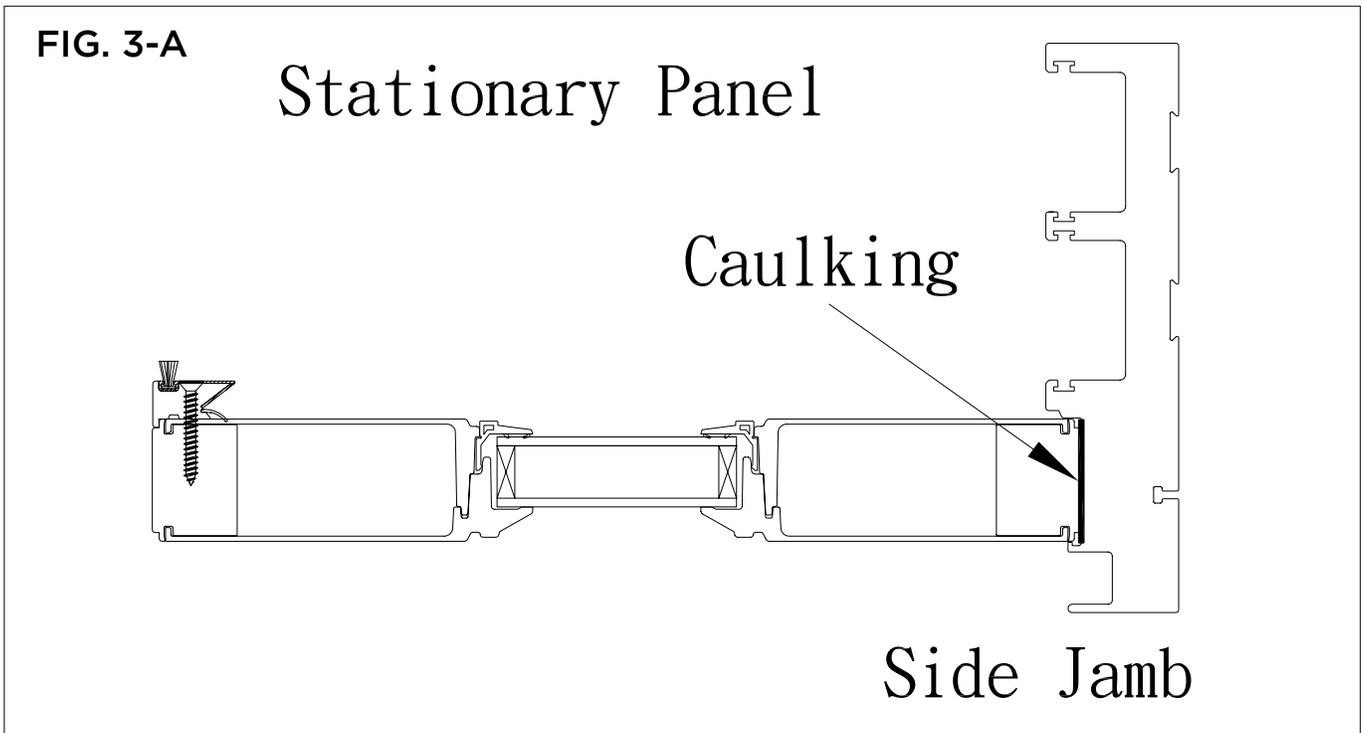


ASSEMBLING THE UNIT

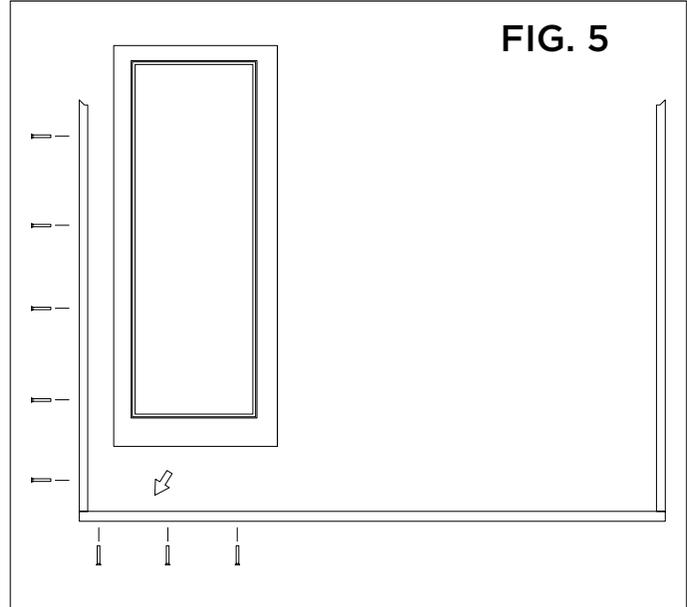
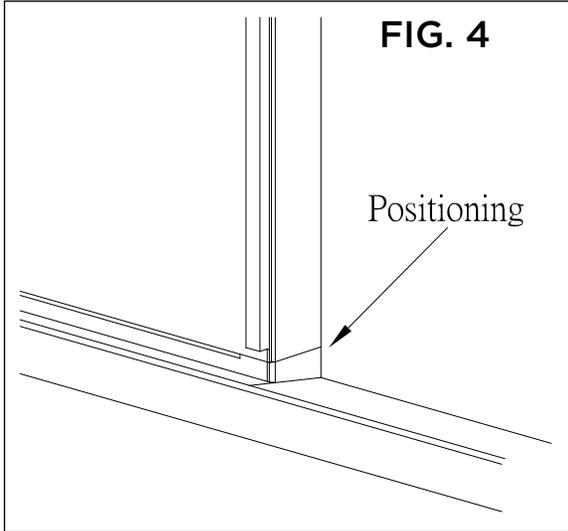
3. Assemble sill and side jambs. Square the corner of the sill and side jamb. Fasten the sill and the two side jambs by using #10x2-1/2" and #10x1-1/2" screws. (Fig. 2)
4. Make sure frame fastened tightly and square.



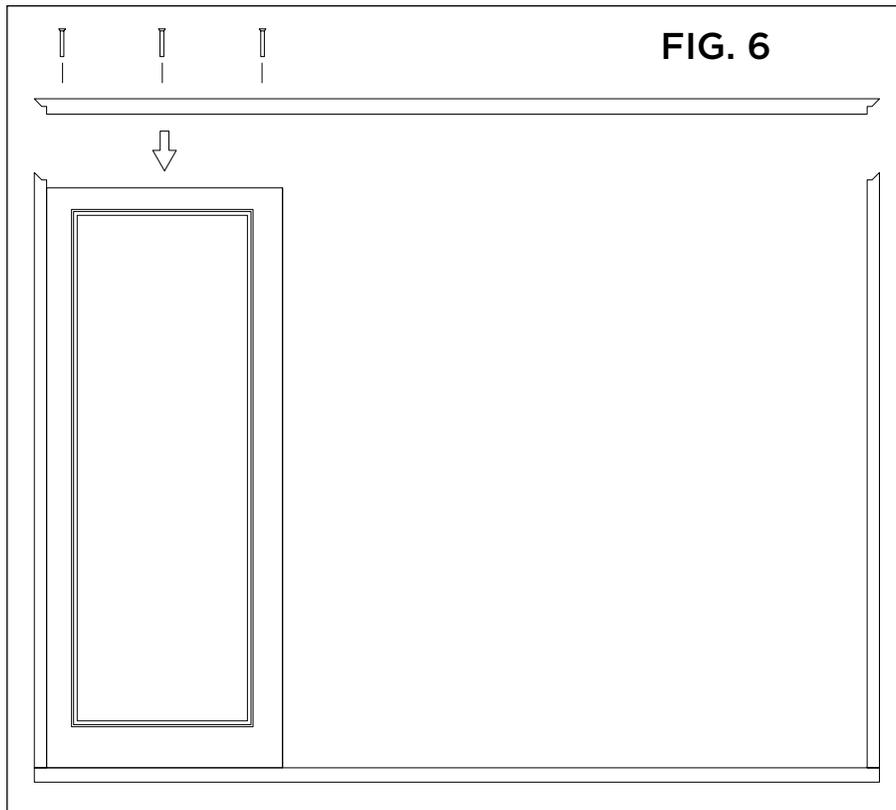
5. Apply caulk to the top, bottom and jamb side of the stationary panel (Fig. 3-A, B & C)



6. Carefully position and place into the frame. (Fig 4 & Fig 5) Use a rubber hammer to secure the fixed panel. Move the side of the door to the location of the fixed panel base.

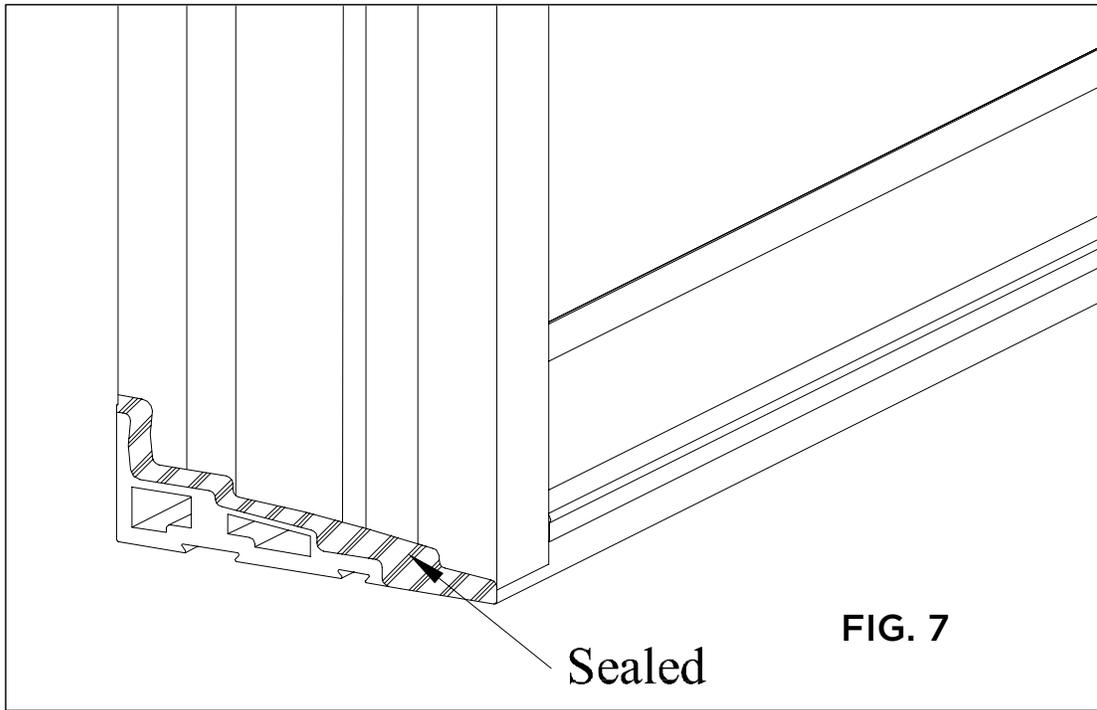


7. Square the corner of the top and side jambs. Assemble the head frame and two side jambs by fastening #10x2-1/2" screws. Make sure that all frames are fastened tightly and are square. (Fig. 6)

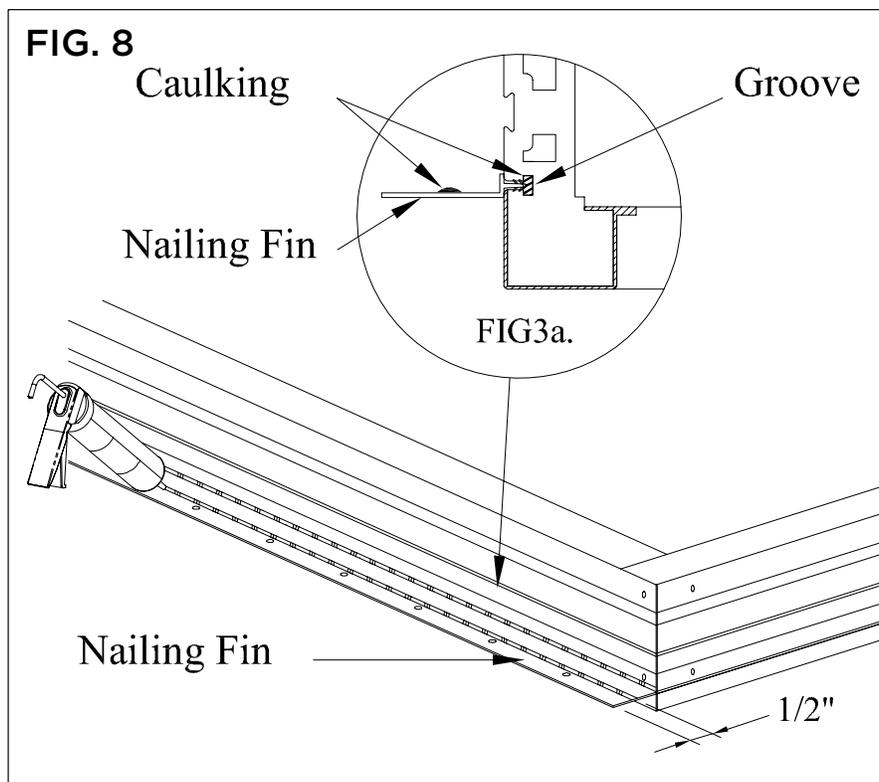


INSTALLING THE UNIT

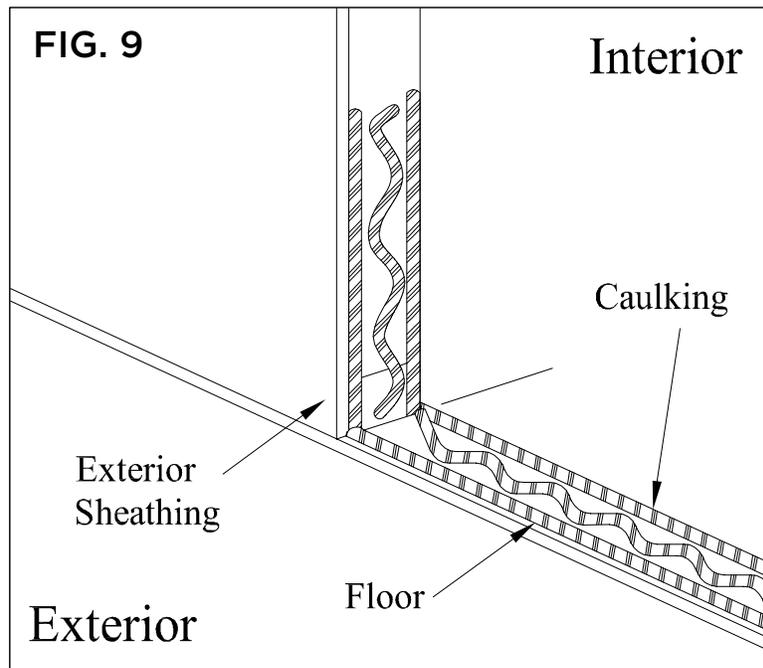
8. Seal the corners of the frame with a silicone sealant to eliminate chance of leakage at the joint. (Fig. 7)



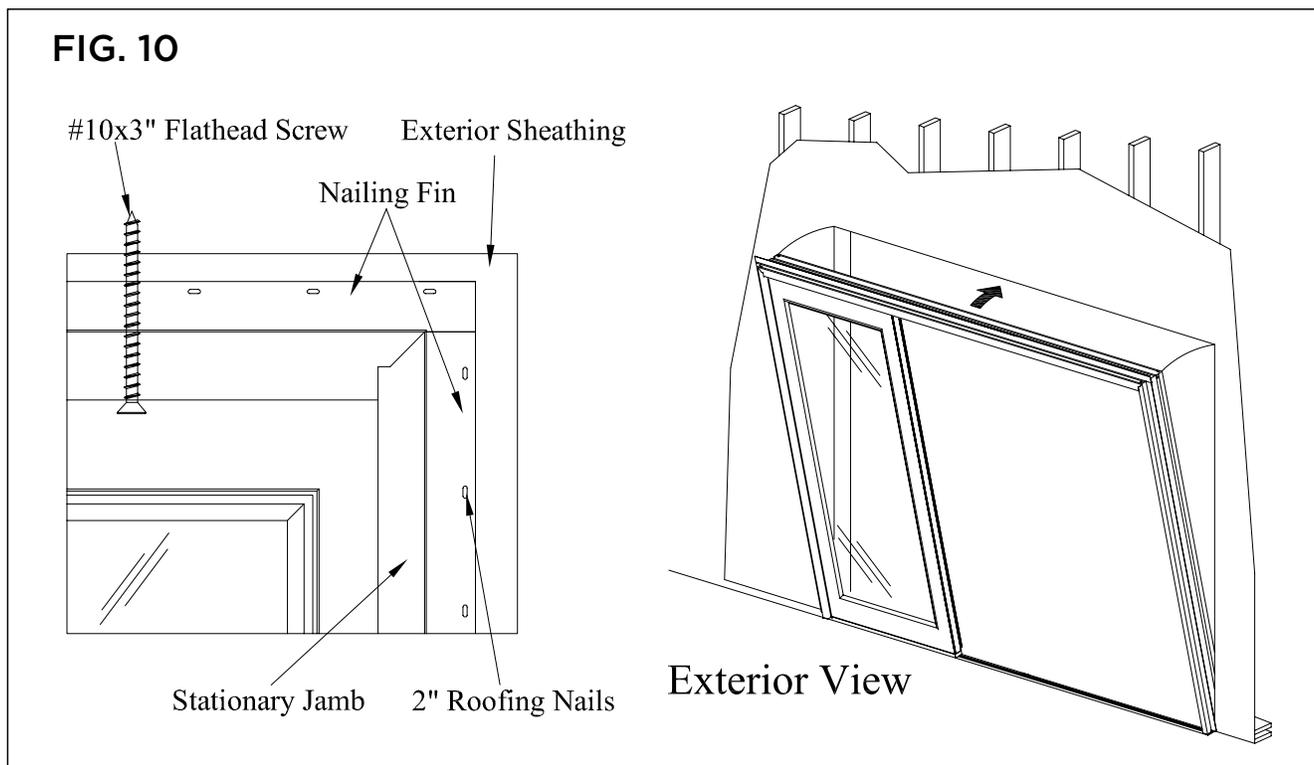
9. Apply sealant into nail fin grooves at head and jambs then snap in nail fins. Apply sealant in a continuous bead on the interior side of the nailing fin along the pre-punched holes. Proper application is sealant will squeeze through holes when unit is set against rough opening. (Fig 8)



10. Apply sufficient amount of sealant along the entire length of the sub floor and 6" up each side of the jambs. (Fig 9)

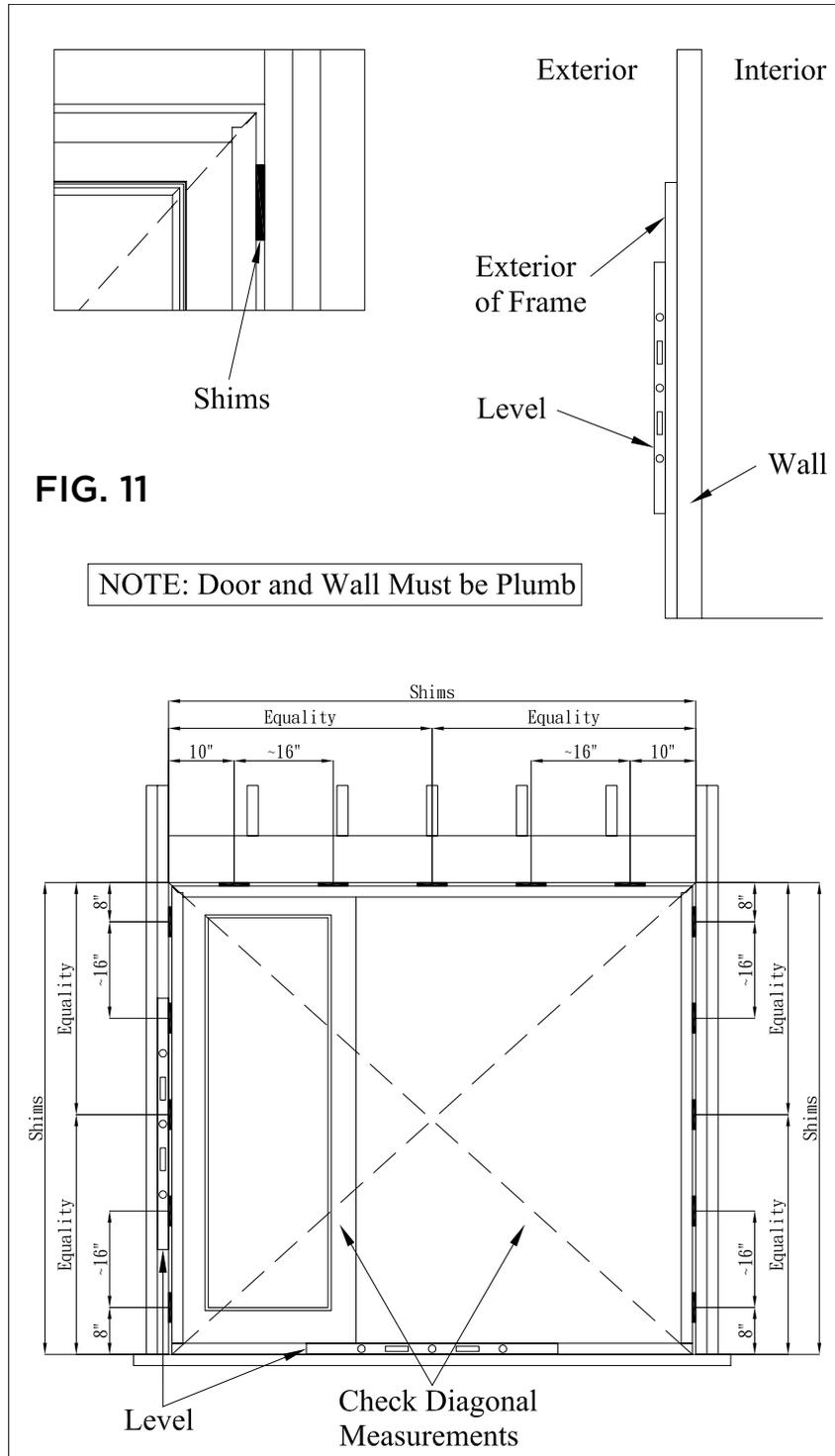


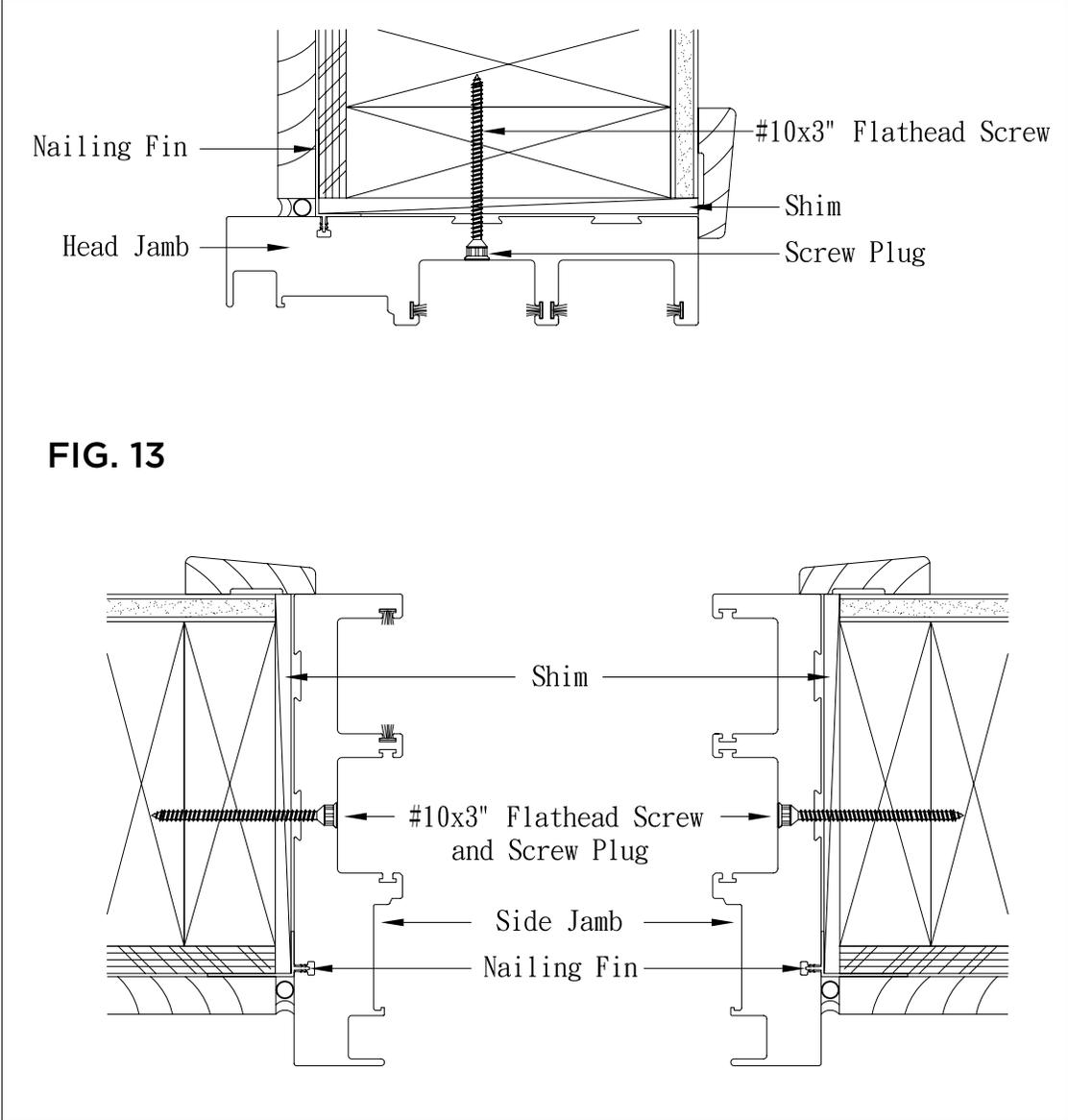
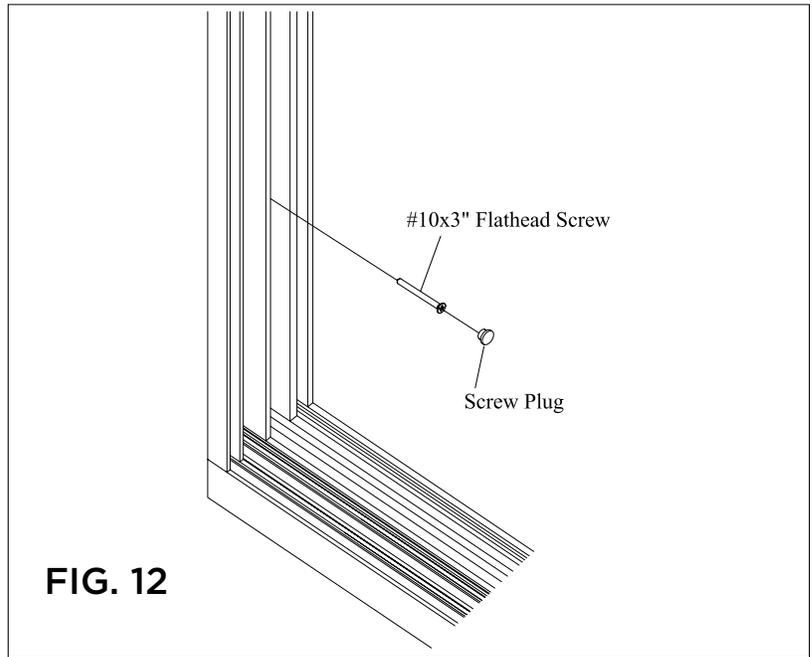
11. Move door frame in the rough opening, and center it. Temporally fix an upper corner of the nailing fin with a 2" roofing nail and secure the corner head jamb with a #10x3" flathead screw from the interior side (Fig. 10)



PERMANENTLY SECURING THE UNIT

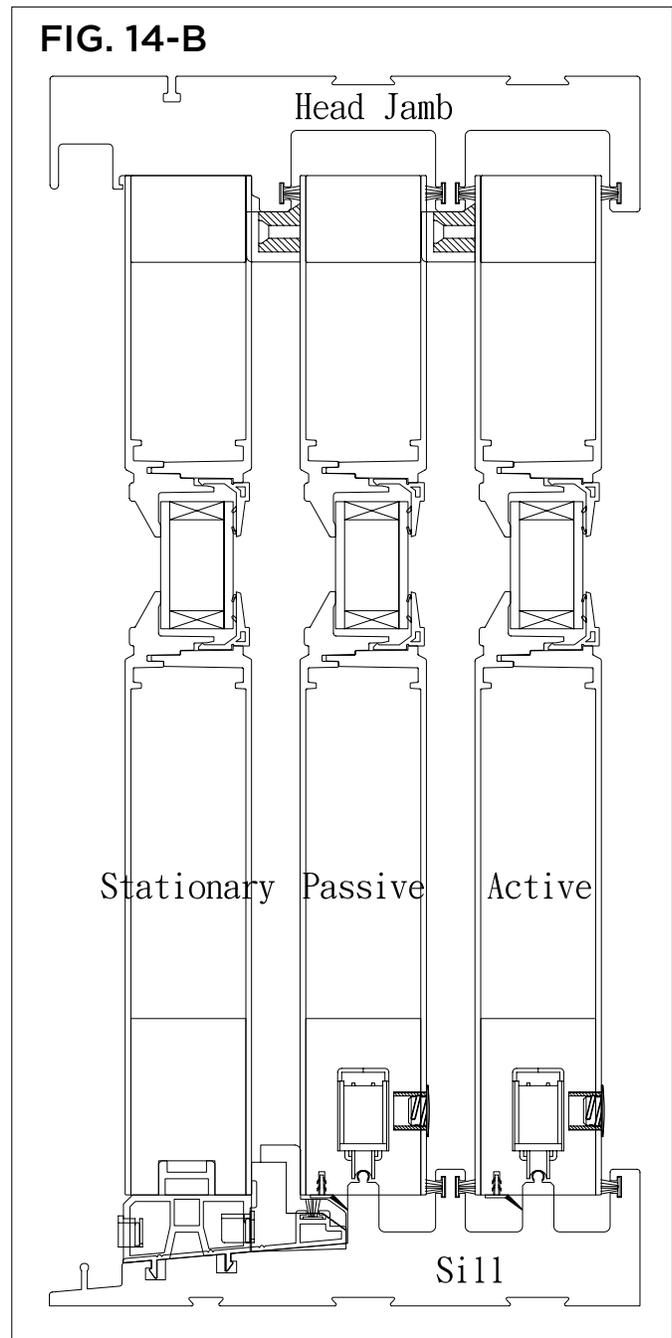
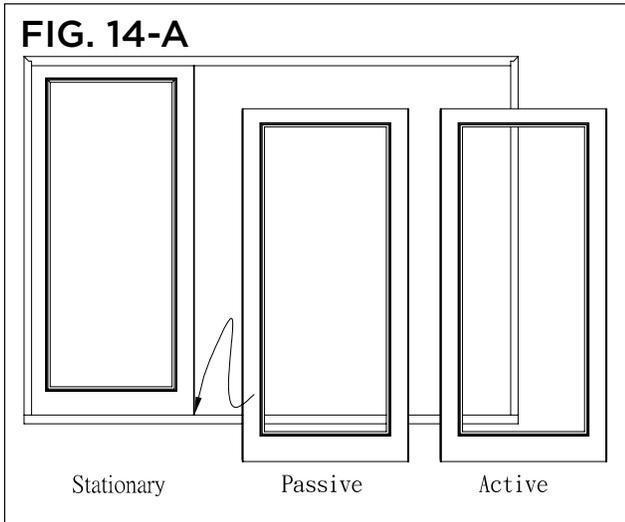
12. Use level to check if the jambs are straight and plumb. The sill must be leveled and straight. Make sure the diagonal measurements of the entire frame are equal. If necessary, shim the corners 8" from the sill and head jamb. Shim the jambs" down from top and up from sill. Place additional shims every 16" around jambs. Shim at keeper location. If installation pilot holes are drilled shim at these location. Recheck plumb level and square are adjust as necessary. Place fasteners in all prepunched holes in installation fin approximately every 7-1/4" (Fig. 11, 12, 13)



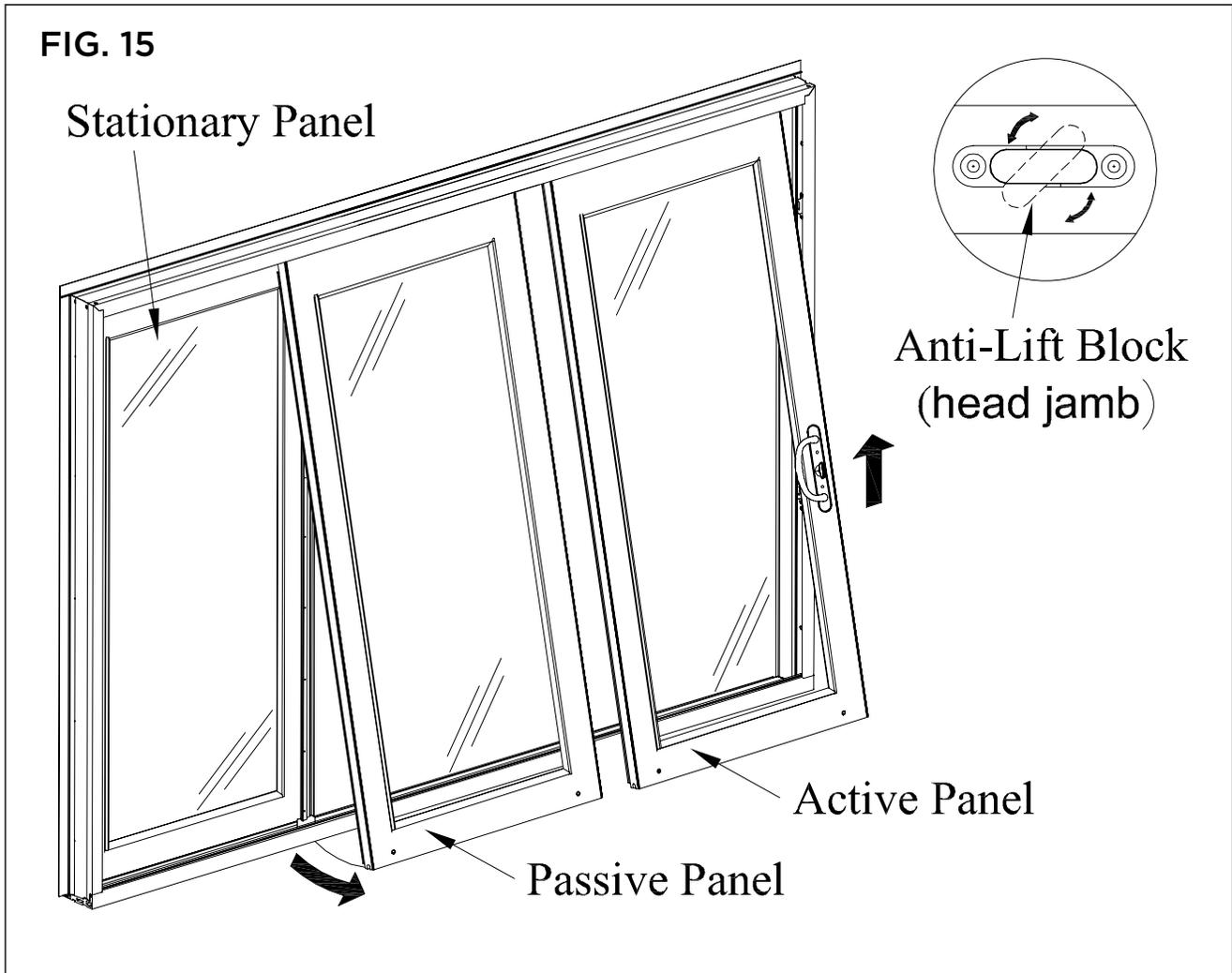


INSTALLING THE PASSIVE AND ACTIVE PANELS

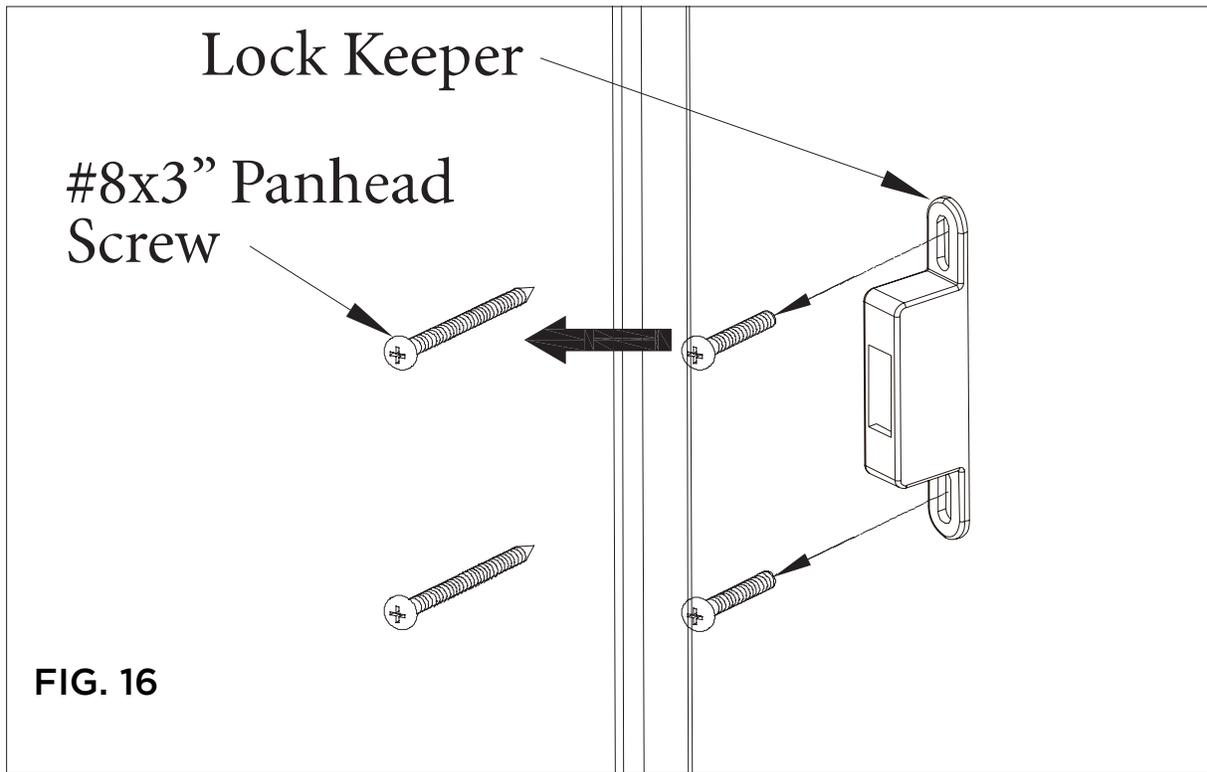
13. Install the passive panel into the head frame rack by placing the panel into the frame at an angle first, and then place making sure it fits into the sill racks properly. In the same manner, install the active panel into the frame. (Fig. 14 A & B)



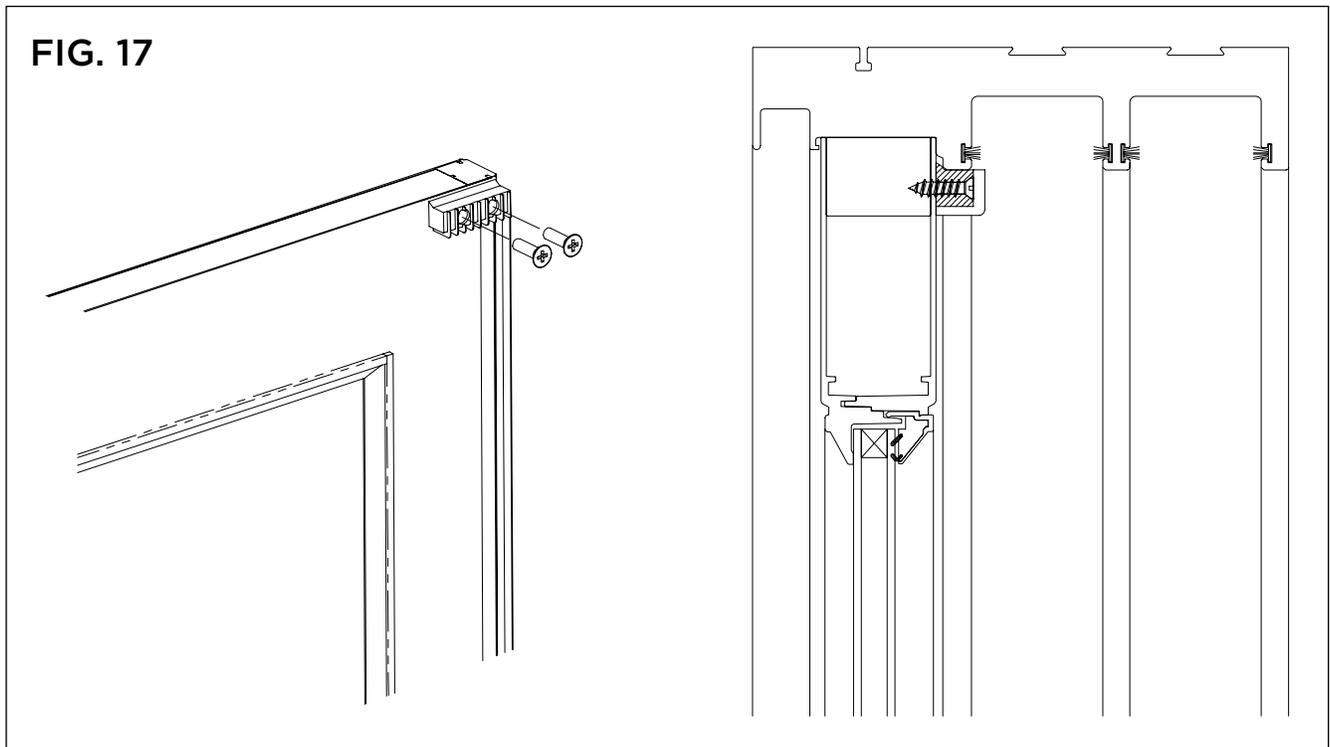
14. Unlock door and open active panel about half the width of the panel, remove active panel by lifting panel up and out from inner side. Make sure the Anti-lift block is parallel to the head jamb. (Fig. 15)



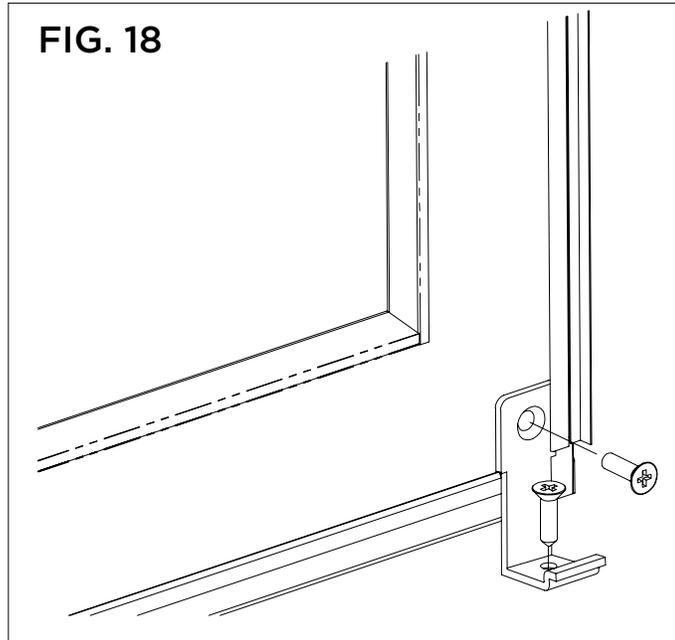
15. Replace keeper screws by #8x3" panhead screws. (Fig. 16)



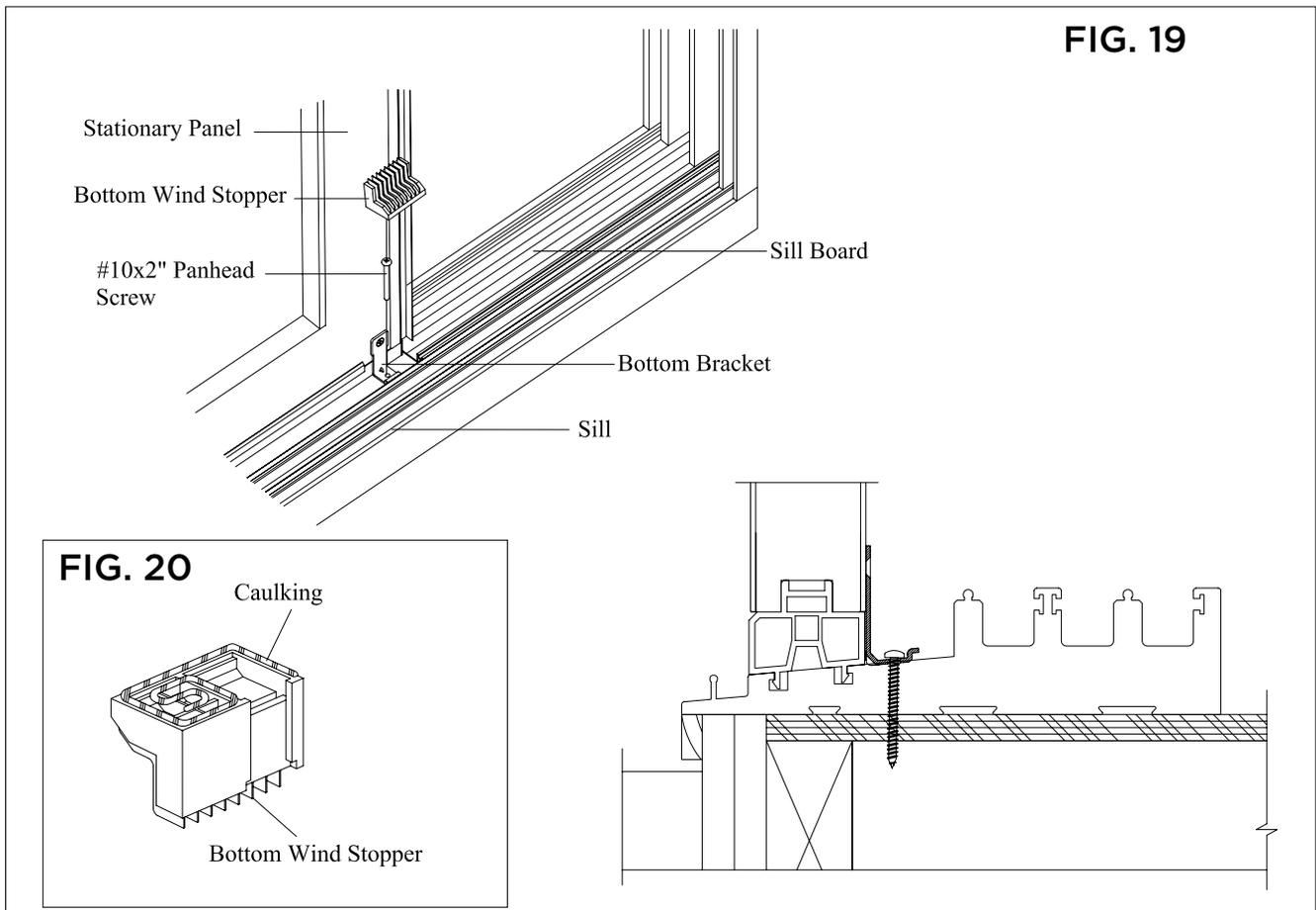
16. Secure the top wind-stopper on the top of the interlock strip with #10x1-1/2" flathead screws. (Fig. 17)



17. Secure the bottom bracket into the pre-drilled hole on the sill and stationary slab with #10x1" flathead screws. (Fig 18)



18. Find the location of the bottom bracket. Place the bottom wind stopper into the space between stationary panel and the sill tracks connected with bottom bracket. Bottom wind stopper to ensure its bottom fixed stably. Apply Silicone to fix the bottom wind stopper on the sill (Fig. 19 & 20)



19. Open the active panel approximately 7/8" from the frame, and check if the clearance between the active panel edge and side jamb is parallel.
20. Remove the cover plugs at the bottom of the panels and lift the door panel while making adjustment to the rollers. (Fig. 21)
21. If the clearance is not parallel, adjust the roller by turning the roller screw. Turn clockwise to tilt the panel upwards, and turn counterclockwise to level the panel downwards.
22. Start by adjusting the roller of the jamb side. If the panel is still tilted, adjust the roller of the meeting rail side.
23. Adjust the lockset and keeper to ensure proper function of the unit. (Fig. 22)
24. Reset head jamb Anti-lift block. (Fig. 15)

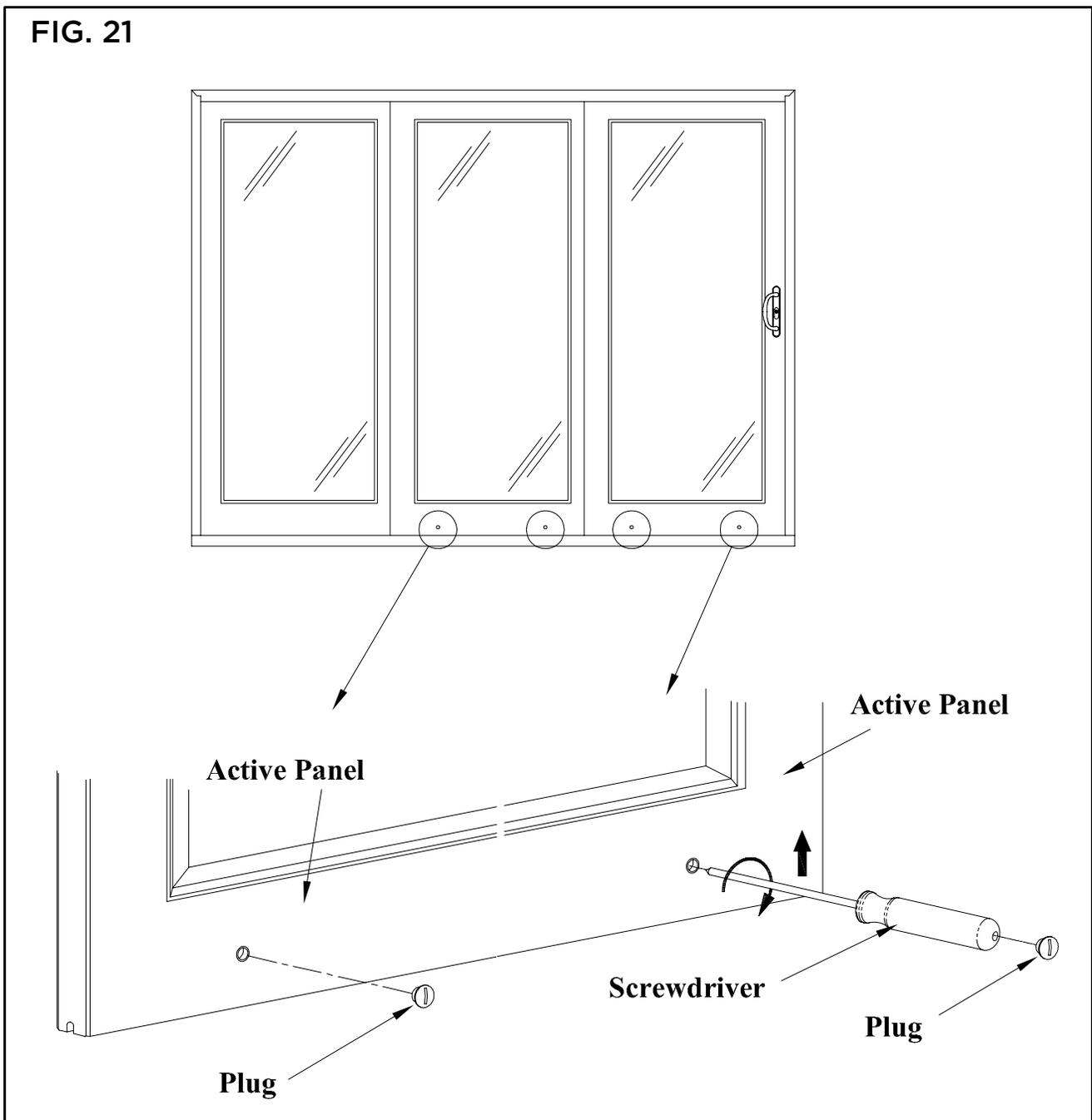
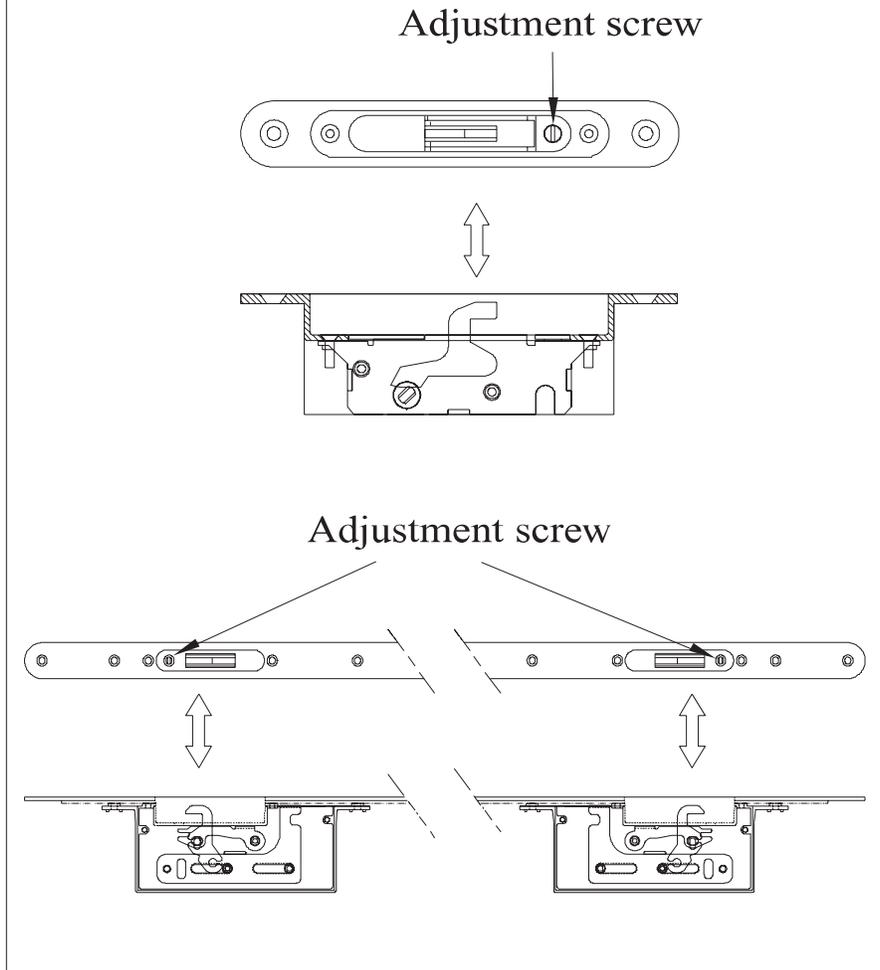
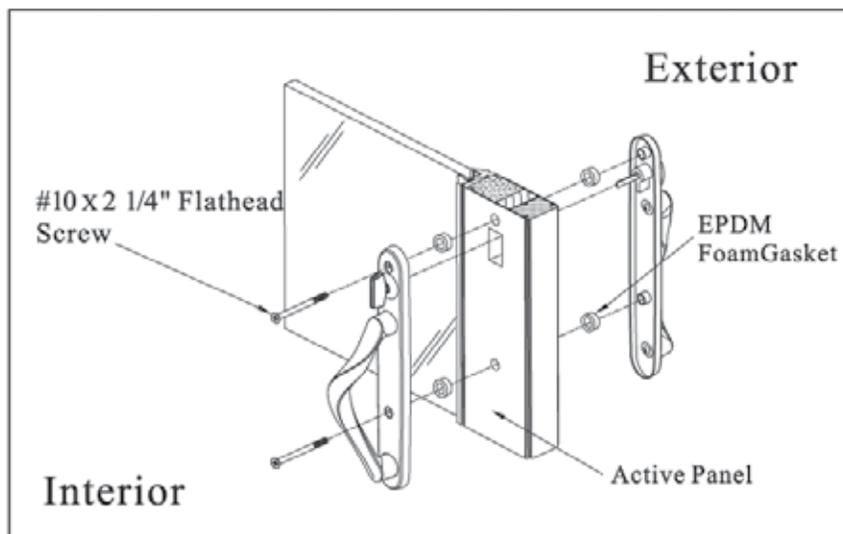


FIG. 22



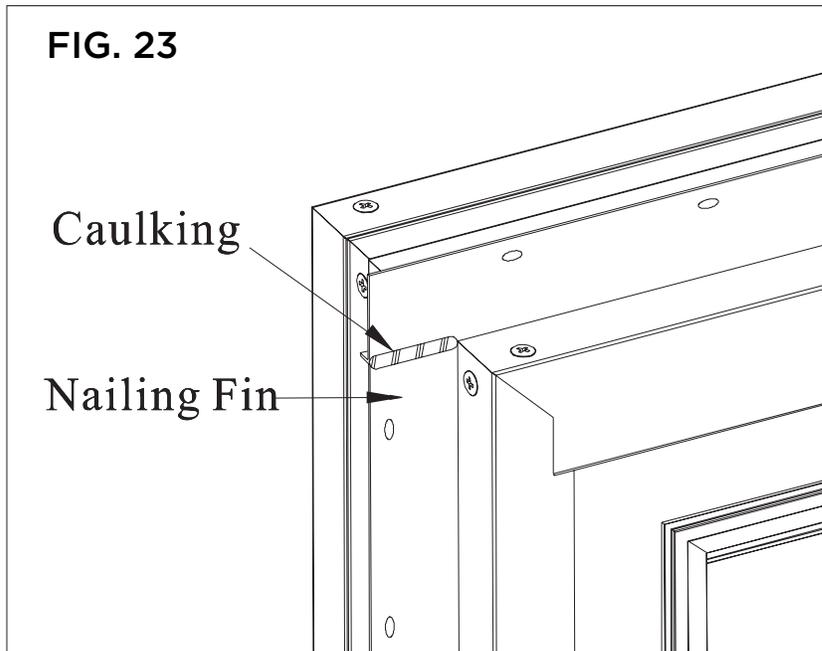
INSTALLING THE HANDLE



SEALING THE DOOR

25. Apply caulk on the top joints of the nailing fin. (Fig. 23)
26. Lap vertical strips of self sealing adhesive membrane (4" wide) onto the jambs' nailing fin and over the exterior sheathing.
27. Install another layer of adhesive membrane lapping onto head jamb nailing fin and exterior sheathing. (Fig. 24)

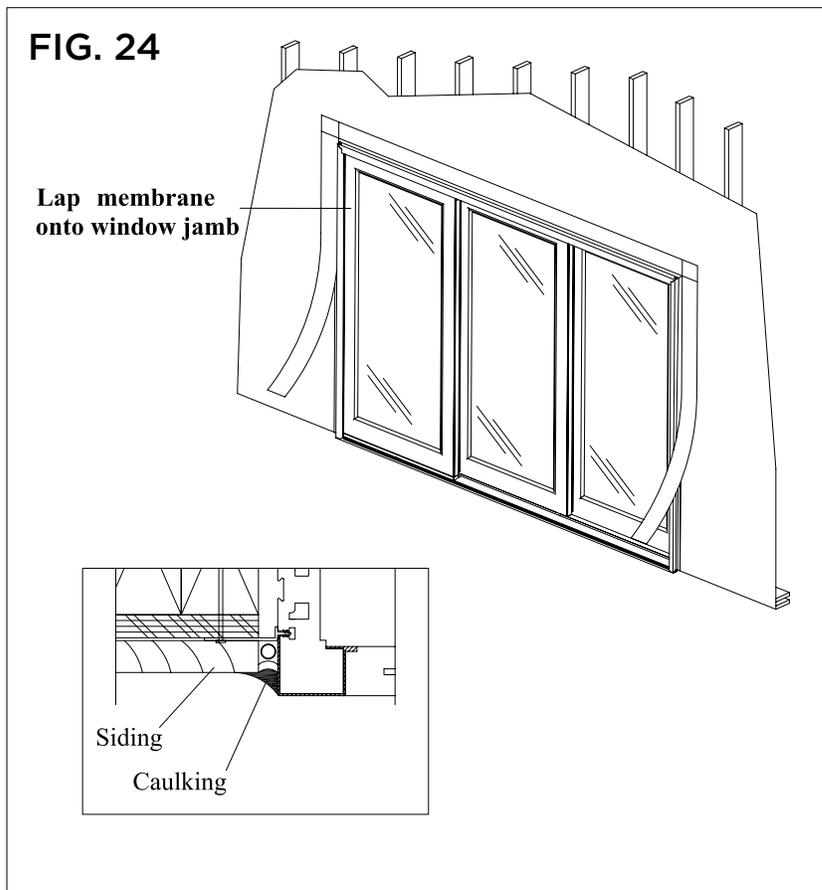
FIG. 23



CLEANING INSTRUCTIONS

- Door and jamb skins may be cleaned with mild detergent and water.
- Do not use any solvent, acids or abrasives on any part of the door.
- To clean the glass, use a soft clean grit-free cloth and mild detergent.
- Keep weep holes clean and clear of obstructions.

FIG. 24



It is the sole responsibility of the installer and owner to insure that this product is installed according to the written installation instructions included with this product and according to local building code requirements..