

SLIDING GLASS DOOR 8100

ASSEMBLY INSTRUCTIONS



WINDOOR

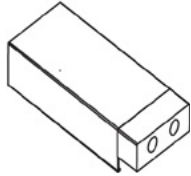
LUXURY INNOVATIONS FOR WINDOWS & DOORS

WARNING

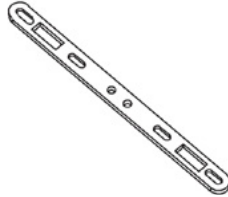
PROPER INSTALLATION PROCEDURES ARE NECESSARY TO INSURE THE PERFORMANCE OF THIS PRODUCT. PLEASE REVIEW INSTRUCTIONS INCLUDED WITH THIS PRODUCT COMPLETELY BEFORE STARTING INSTALLATION. FAILURE TO FOLLOW RECOMMENDED INSTALLATION PROCEDURES CAN RESULT IN VOIDING THE WARRANTY.

MATERIALS

(1) SILL SNAP IN PANEL
STOP FULLY ASSEMBLED



(2) STRIKE PLATE



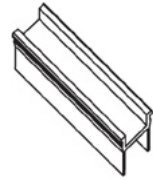
(3) STRIKE PLATE SCREW



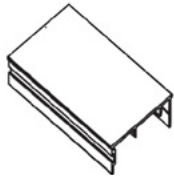
(4) FRAME HEAD INSERT



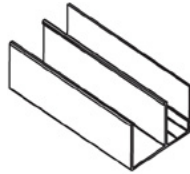
(5) STILE
JAMBS INSERT



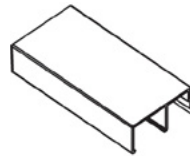
(6) BUMPER JAMB INSERT



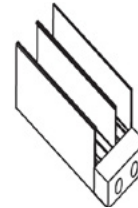
(7) HEAD COVER



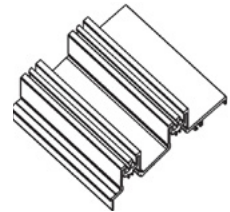
(8) SILL COVER



(9) HEAD SNAP IN PANEL
STOP FULLY ASSEMBLED



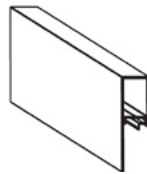
(10) SILL INSERT



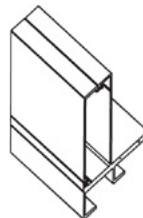
(11) SILL PAN



(12) RISER



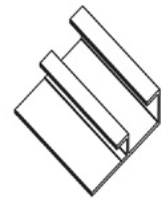
(13) ASSEMBLED
COMPONENTS SGD
HOOK STRIP*



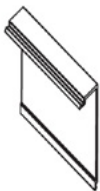
(13-A) SGD HOOK
STRIP BASE*



13-B) SGD HOOK STRIP*



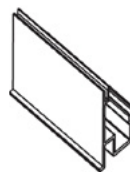
(13-C) SGD HOOK
STRIP COVER*



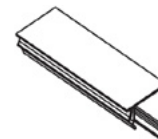
(14) POCKET DOOR
CLOSER



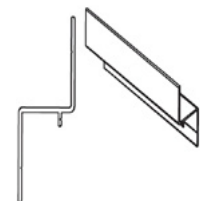
(15-A) BUTT
SCREEN ADAPTOR**



(15-B) BUTT SCREEN
ADAPTOR COVER**



(16) Z-CLIP



* Only for Pocket Door

** Only for OXO Doors

MATERIALS

(17) SCREEN JAMB INSERT



(18) FRAME
ASSEMBLY SCREW



(19) 4 HOLE BUMPER



(20) SCREEN KEEPER



(21) SCREEN
KEEPER SCREW



(22) T-CLIP



(23) AIR STOP



(24) ADJUSTMENT
HOLE COVER



(25) END DAM



(26) PANEL



(27) JAMB



(28) HEAD



(29) WEEP GATE

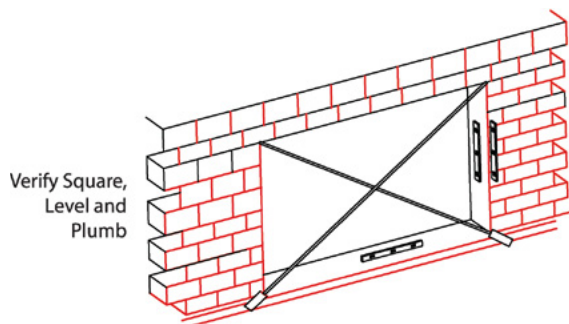


TOOLS, FASTENERS AND SEALANT

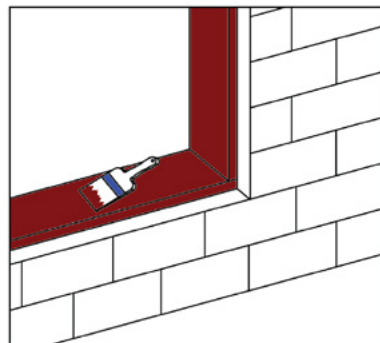
- 1/4" x 1-3/4" min Tapcons if into masonry (min. penetration 1-1/4")
- #14 x 1-3/4" min into wood frame (min. penetration 1-1/2")
- 6' Level
- Torpedo level
- String line
- Plastic, nylon, or composite shims
- Tape measure
- High performance silicone or polyurethane for perimeter seals, screws, and joints
- Clear silicone for sealing the sill riser joints
- Hammer drill
- Pack of 1/2" self-tapping TEK screws (if installing pocket door)
- #2 Square drive bit for assembling head and sill bumpers
- #3 Phillips screwdriver
- Glass suction cups (necessary for stolen large panels)
- Rubber mallet
- 2 x 4 block of wood
- Plastic, nylon, or composite shims (no wood)
- Small flathead screwdriver for adjusting locks
- #2 or larger flathead screwdriver for installing the handles
- Laser level
- Framing Square

1. PRE-INSTALLATION INSPECTION

Step 1. Verify that the rough opening is square, level, plumb, and true. Notify the contractor to remedy any discrepancies.



Step 2. Apply CMU sealer (liquid-applied waterproof coating) to all four sides of the masonry opening and returning 10" on the face of the exterior CMU. The installer must treat the masonry opening with a CMU sealer for the purpose of sealing CMU door cavity from absorbing water. This application will be put on before the installation of the buck materials.

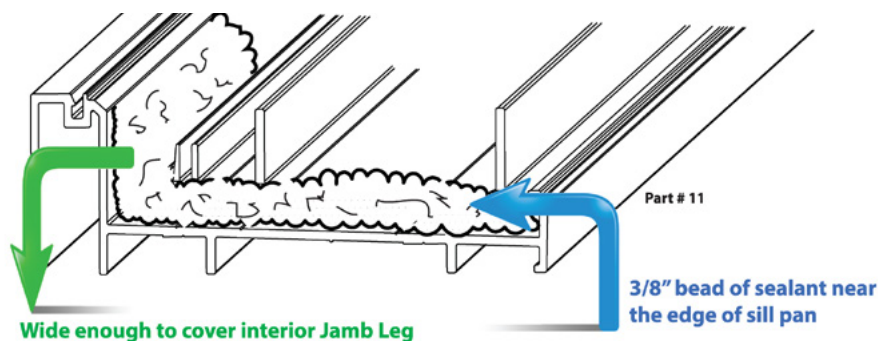


2. MASTER FRAME ASSEMBLY

Note: All WINDOOR products must be installed with sealants applied in such a way to ensure a weather tight product. WINDOOR recommends the use of high-quality polyurethane or silicone sealant that complies with ASTM C 920 Class 25 NS Specifications.

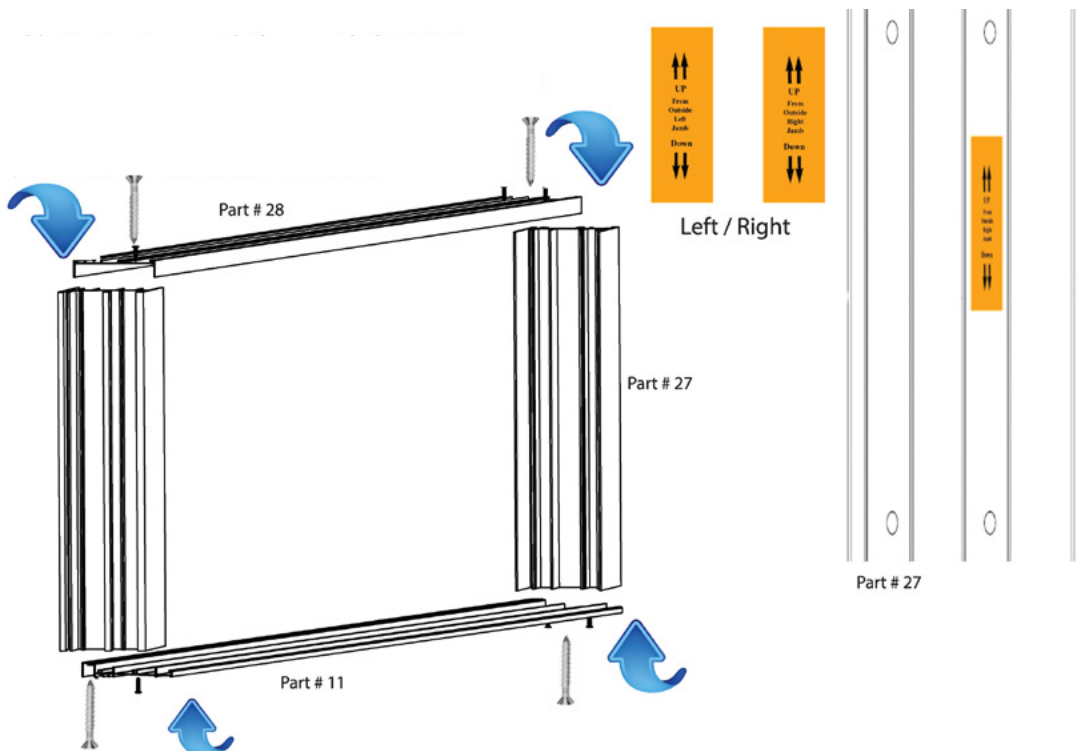
Step 1. Clean ends of head, jamb, and sill (any are that sealant will contact) with denatured alcohol.

Step 2. Run a 3/8" bead of sealant near the edge of sill pan on each side and up the face of the riser. The beads should be in line with the small, frame assembly, pre-punched holes along the bottom and then wide enough up the riser to cover the entire interior of the jamb.

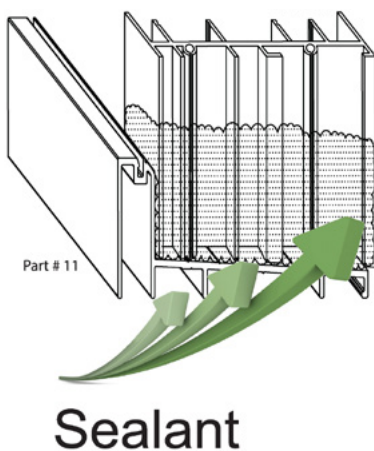


Step 3. Assemble Master Frame with the provided number 7 x 1" screws.

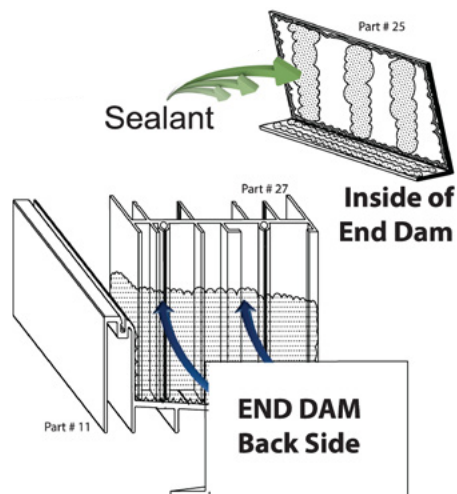
VERY IMPORTANT: the jambs are handed, left and right side. The angle cut should be at the bottom with the long point toward the outside. Please see the orange sticker located on each jamb that will indicate LEFT or RIGHT.



Step 4. Apply recommended sealant to the exterior side of the jamb/sill and jamb/head connections and tool in place.



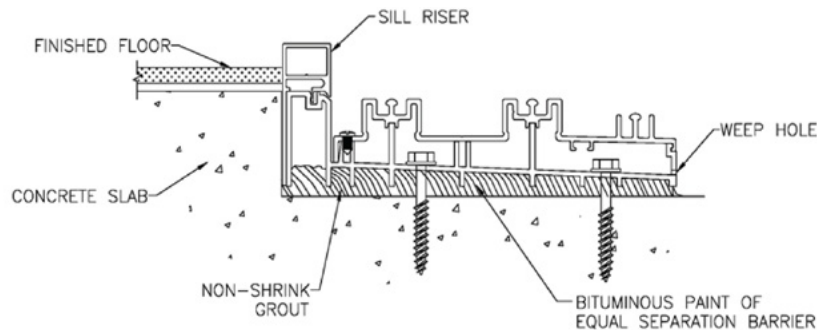
Step 5. Apply sealant to the interior of the end dam and apply as illustrated. Ensure a water tight connection.



3. MASTER FRAME INSTALLATION

Note: When wood bucks are used, the members will be pressure or chemically treated. Apply a 3/8" bead of sealant under the buck material to ensure a weather resistant barrier. The buck materials will be installed in such a manner that all gaps between the buck and the structure are sealed.

Step 1. If tile is to be installed outside of door, non-shrink and grout should be used to raise the sill pan approximately 1/4" above finished tile height. The bottom of the sill pan shall be coated with a bituminous paint to separate dissimilar materials.



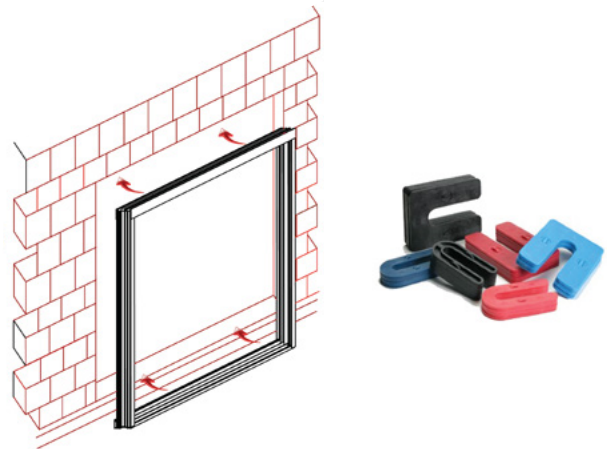
DO NOT BLOCK OR RESTRICT WEEP HOLES IN ANY WAY.

If weep holes are blocked, the door can leak water over the interior sill riser.

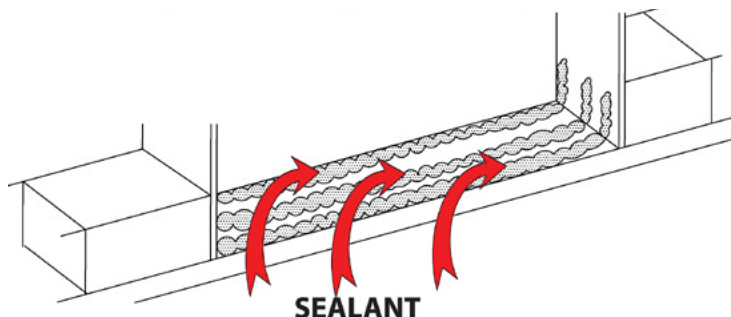
Step 2. Set frame into opening.

Step 3. Ensure that there is no more than 1/4" shim space at sides and top of door, unless job specific engineering is done to qualify differently.
Use ONLY plastic, nylon, or composite shims.

Step 4. Remove frame from opening after proper spacing is verified.



Step 5. Install grout if required or set master frame pan in a continuous bed of sealant. Three rows of sealant (3/8" diameter) along the entire sill and 6" up the back side of each jamb.

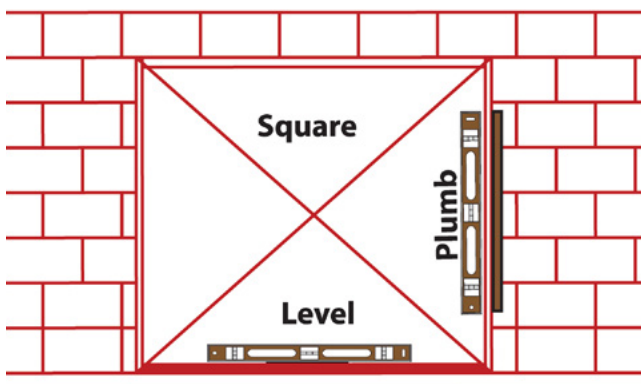


Step 6. Set frame back in opening on grout or bed of sealant.

Step 7. Shim level from front to back and end to end. Shims are to be installed at all fastener locations

IMPORTANT: Make sure the sill pans are supported fully from in to out. Larger, 4 track doors will dip or flex down in the middle with the weight of the panels if this is not done properly. The flex of the metal will cause a loud sound of metal rubbing together when the panels are rolled or when somebody steps on the track.

Step 8. Ensure the entire frame is plumb, level, and square.

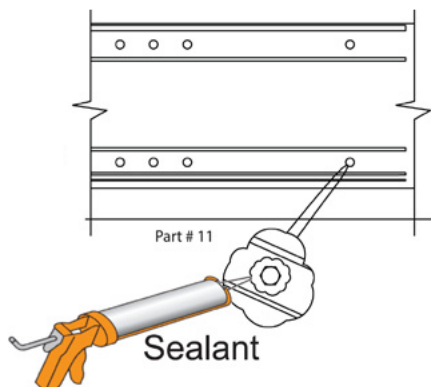


Step 9. Install appropriate fasteners in all factory pre-punched holes using shims at all fastener locations to take out excess gap.

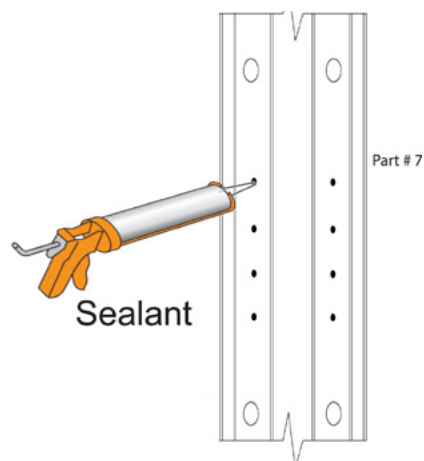
IMPORTANT: Fill drilled holes with appropriate sealant before the fasteners are installed to ensure water barrier.

- Wood Substrate: Minimum penetration into wood is 1-1/2".
- Masonry Substrate: Minimum penetration into masonry is 1-1/4".

Step 10. Apply sealant over the heads of all fasteners to ensure waterproofing.



Step 11. At this time make sure the extra unused holes that were punched for the strike plate screws in the jambs are also sealed.

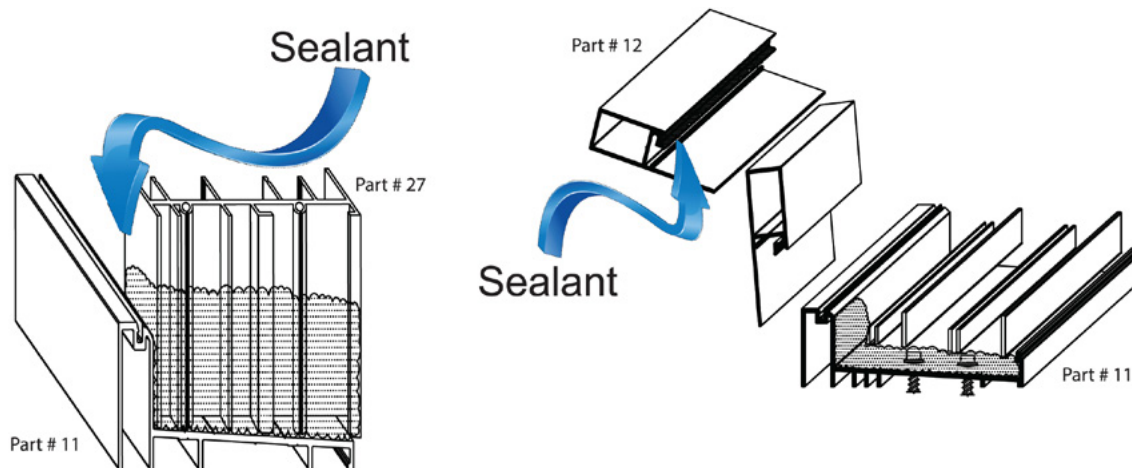


4. INSTALLING THE SILL RISER

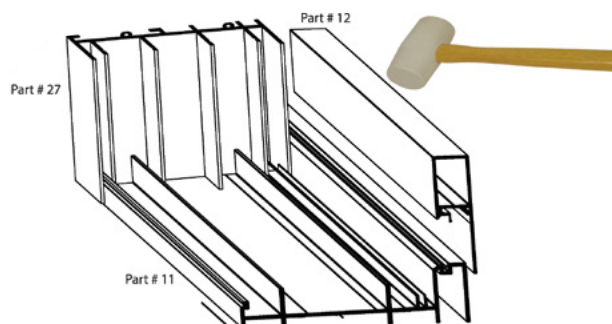
VERY IMPORTANT: If the panels are going to be installed from the inside, the sill riser must not be installed at this time. The panels cannot be installed from the inside when the sill rider is snapped on.

Step 1. Clean bottom of sill riser, top of track, and lower interior of jambs with denatured alcohol.

Step 2. Apply approved sealant to underside of sill riser and lower interior corners of jambs.

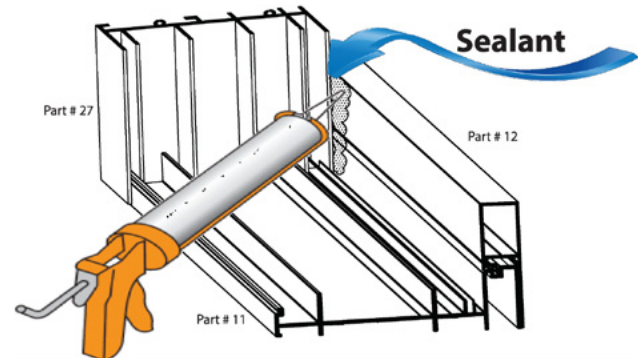


Step 3. Knock on riser with a rubber mallet, making sure that there is enough sealant in the riser caulk pocket to ensure a water tight condition. (Check to make sure it is snapped fully into place throughout the length of the riser)



Step 4. Apply sealant to the joint where the frame jamb and sill riser meet.

This must be done prior to installing the sill to ensure a complete water barrier.

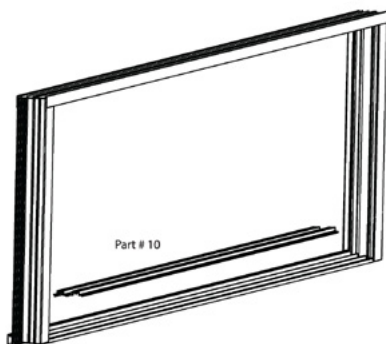


5. HEAD AND SILL TRIM INSTALLATION

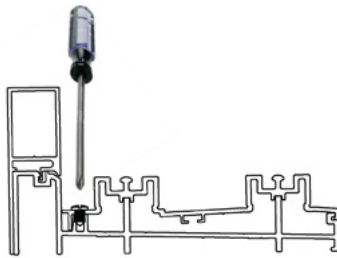
Step 1. Install the sill insert (track) first. The sill inserts must be installed so that the longer leg is to the inside and the shorter leg is to the exterior. Factory pre-punched holes for screws will be to the interior side.

Step 2. Snap into place using a rubber mallet, making sure the outer leg is fully engaged throughout.

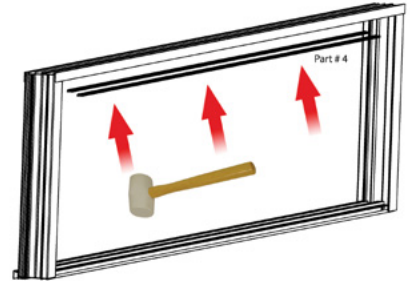
Note: Do not apply sealant to the ends of the sill insert. Water cannot weep into sub-sill if sealant is applied.



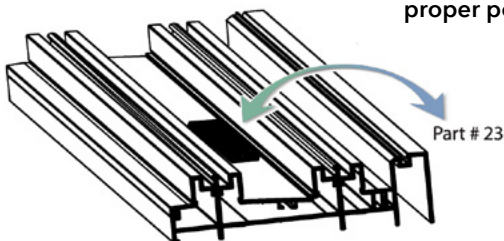
Step 3. Install the provided #8 X 3/8" sill insert screws into the pre-punched holes on the top of the insert.



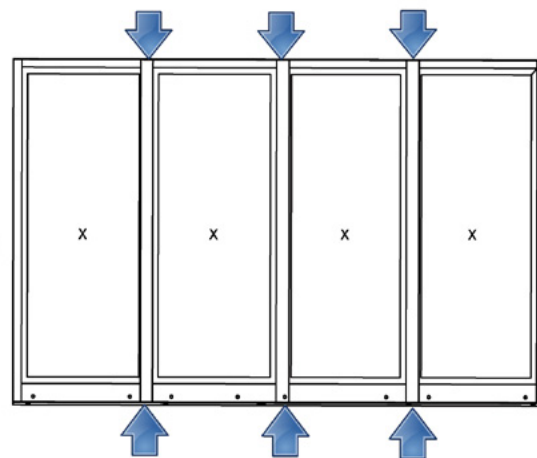
Step 4. Using a rubber mallet, install the frame head inserts to cover the installation fasteners in the frame head.



Step 5. Install the wool pile air stops (mustache) under and above each panel "interlocking" location. Grey should be installed onto the sill insert and white or black should be installed on the frame head. Measure panel widths to determine where each panel will interlock.

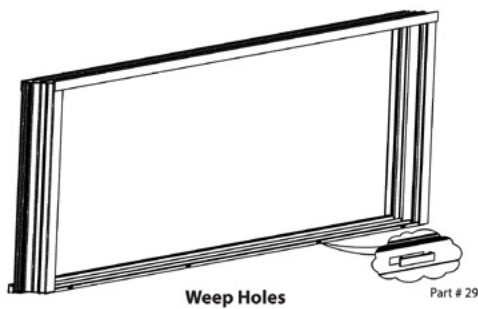


Air stops should be installed before door panels to ensure proper positioning.

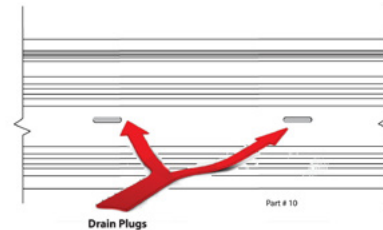


Note: OXO doors will require that air stops also be placed under and above the offset buttstile.

Step 6. Install weep gates into exterior weep holes.

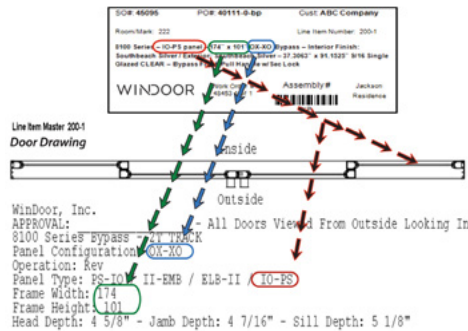


Step 7. Drain hole plugs that come from the factory "pre-installed" **MUST REMAIN** in place. These should only be taken out temporarily when there is standing water in the track and replaced once water has drained.



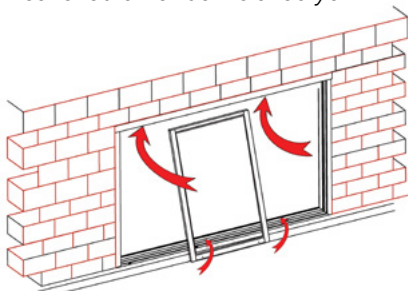
6. PANEL AND JAMB TRIM INSTALLATION

Step 1. Use your door drawing as well as the panel stickers to make sure you know the proper locations of each panel. The panel "Key" and drawings are located on page 17 & 18 of this instruction manual.

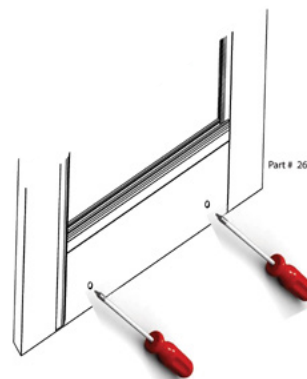


Step 2. With the wheel adjustment holes facing the outside, install the door panels onto tracks beginning with the innermost panel(s) first. To do this, lift that panel first into the correct head track and then swing the bottom of the panel in until it can set on the proper track of the sill insert.

Note: In special cases where the panels must be installed from the interior, the outermost panels will be installed first and the wheel adjustment holes will face the interior. If this method is being used then the riser should not be installed yet.

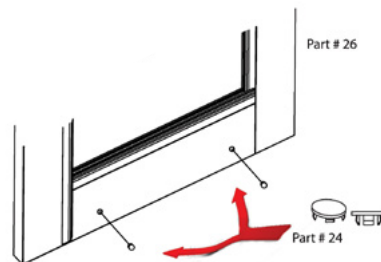


Step 3. Using a #3 Phillips head screwdriver, adjust the wheels through the holes on the outer face of the bottom rails. Lift the panels while adjusting to take the weight off of the rollers. Ensure all panels roll and interlock properly as well as line up with the frame jambs.



DO NOT USE POWER TOOLS TO ADJUST THE ROLLERS

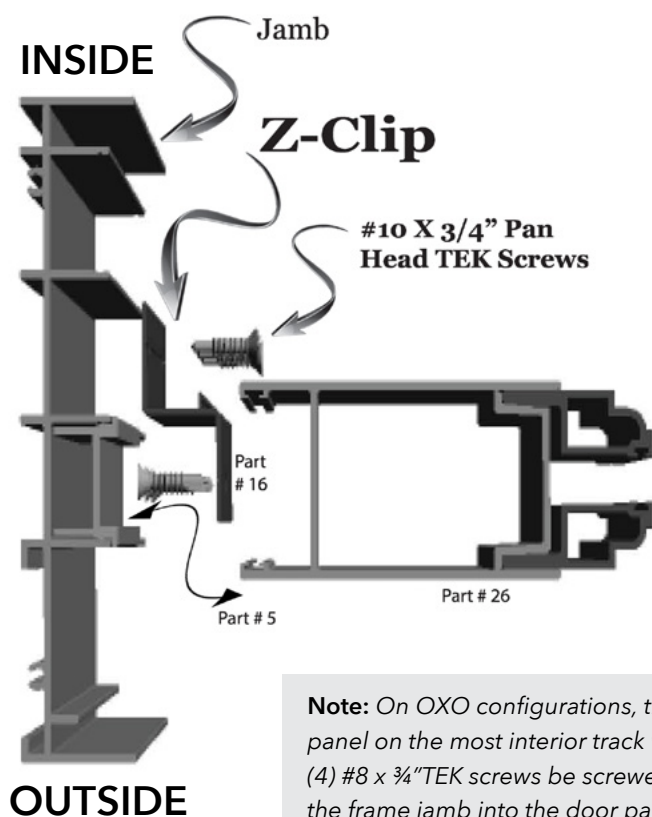
Step 4. Install the wheel adjustment hole covers.



Z-CLIP INSTALLATION INSTRUCTIONS

Step 5. Install the Z-Clips to secure the fixed panels to the jambs.

(If the door you are installing has all active panels then you will skip this step)

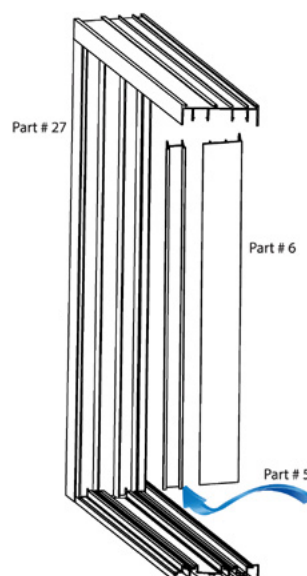


1. A) On panels that are 98" or less, (2) Z-Clips are to be installed vertically on the stile. One at 24" from the top of the panel and one 24" from the bottom of the panel.
B) On panels that are over 98" tall, (3) Z-Clips should be installed. One 24" from the top, one 24" from the bottom, and one in the center.
2. Using the provided #10 TEK screws, attach the Z-Clip to the panel as the drawing shows.
3. Slide the panel into place against the jamb making sure the panel is properly adjusted.
4. Attach the Z-Clips to the jamb to hold the panel in place.

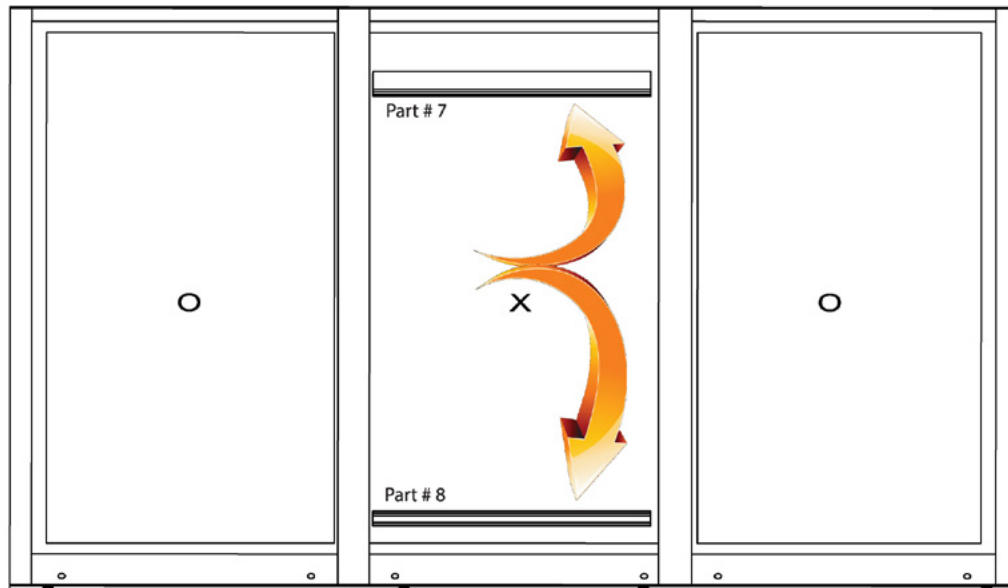
Step 6. Using a block of wood and a rubber mallet, install the jamb inserts to cover the fasteners.

(Install jamb inserts after door panels to ensure proper placement.)

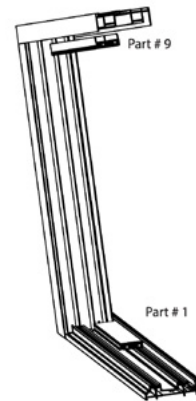
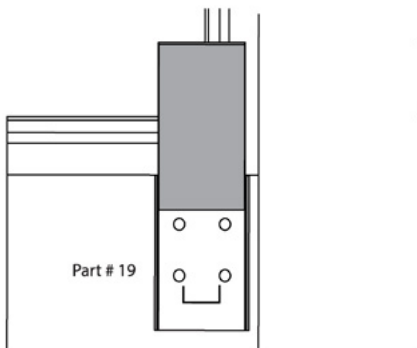
- a. Stile jamb inserts are used on all large jamb tracks that accept door panels.
- b. Bumper jamb inserts are used on all large jamb tracks that **Do Not** accept door panels.
- c. Screen jamb inserts are to be installed in the narrow jamb tracks.



Step 7. Install head and sill covers in tracks with fixed panels. The anodized cover will always be installed at the sill and the weather stripping should always face the moving panels.



Step 8. Install appropriate bumpers.



- a. Nylon 4-hole panel bumpers are used on all bypass and corner doors that have 3 tracks or more and all pocket doors with 2 or more panels.
- b. Frame head and sill bumpers snap into the head and sill inserts against the jambs to restrict the operating panels from opening too far. The anodized bumper is always installed at the sill.

7. HARDWARE INSTALLATION

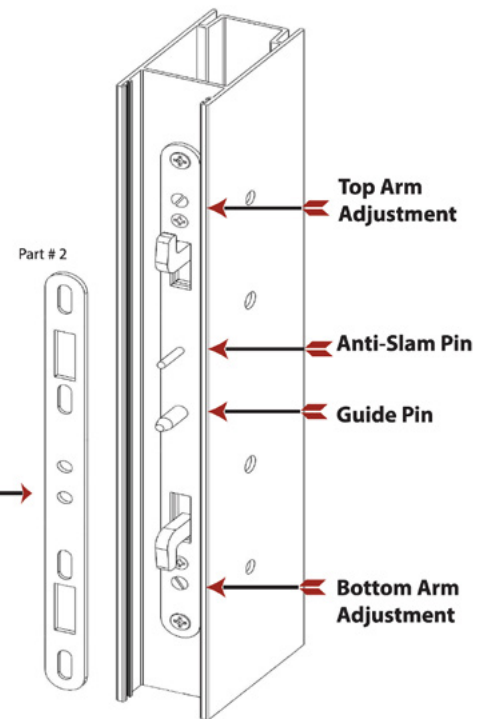
- A. Install the handle set(s) and thumb turn(s). (See handle packages for installation details.)
- B. Install the strike plate(s) in the jamb with the provided #10 X 1 ¼" screws.
- C. Line up the guide pin on the locking mechanism with the bottom guide hole on the strike plate.
- D. Adjust throw of mortise lock with a flat screwdriver.
After lock and strike plate are aligned, hooks may be adjusted in and out by turning slotted latch screws.

Note: *DO NOT max out adjustment screws in either direction as it may result in a non-functioning lock. The panel must be held tightly in the locked position.*

IMPORTANT: The high performance lock WILL NOT OPERATE in the open position due to the anti-slam safety feature.

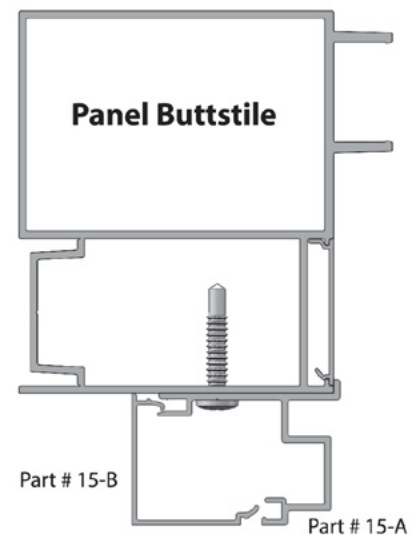
The anti-slam pin MUST BE depressed (as it is when closed) for the thumb turn to operate.

Guide Pin Hole →



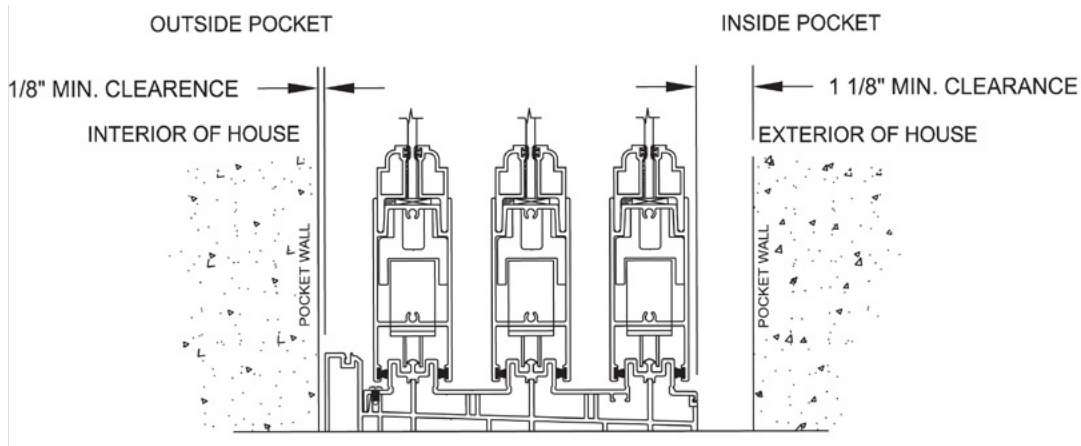
8. SCREEN INSTALLATION

- A. Install the screen(s) onto the screen tracks. A standard screen will ride on the smaller "screen track," while the MT screen will ride on the same size track as the door panels do.
- B. Adjust the wheels if necessary with a #2 Phillips head screwdriver through the holes on the sides of the screen at the bottom.
- C. OXO configuration doors will require a buttstile screen adaptor to be installed.
 - a. Using the provided #8 X ¾" TEK screws, attach the screen adaptor base to the buttstile cover as shown.
 - b. Snap the base cover in place to cover the exposed fasteners.
- D. Depending on the door configuration, install the screen keeper with screws (Parts# 20 & 21) going into the pre-punched holes through either the screen jamb insert into the jamb, the butt-screen adaptor, or the opposite center-meet screen. (i.e. OXXO configuration)
- E. On center-meet screens, a "T-Clip" (Part# 22) will need to be installed into the head where the screens will meet in the center.



POCKET DOOR INSTALLATION GUIDE

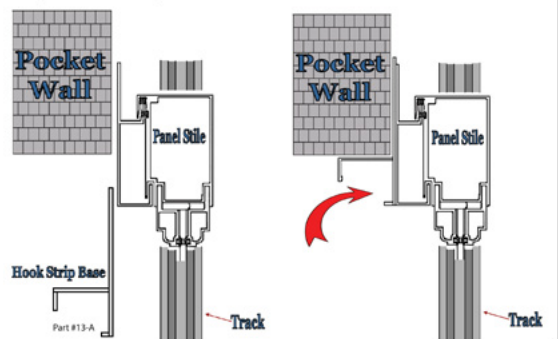
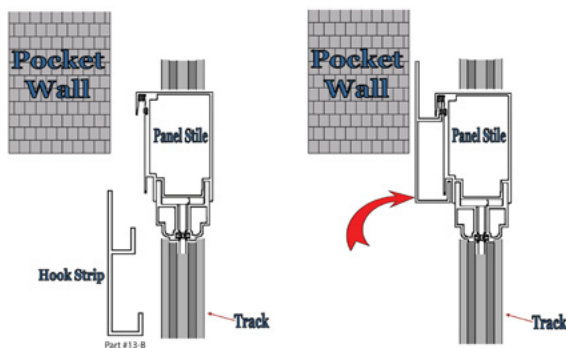
- A. Determine whether door will be used in an inside or outside pocket installation.
- B. If outside pocket, position the back edge of the sill riser 1/8" from the pocket wall.
If inside pocket, position the outside of the sill track a minimum of 1 1/8" away from the pocket wall.



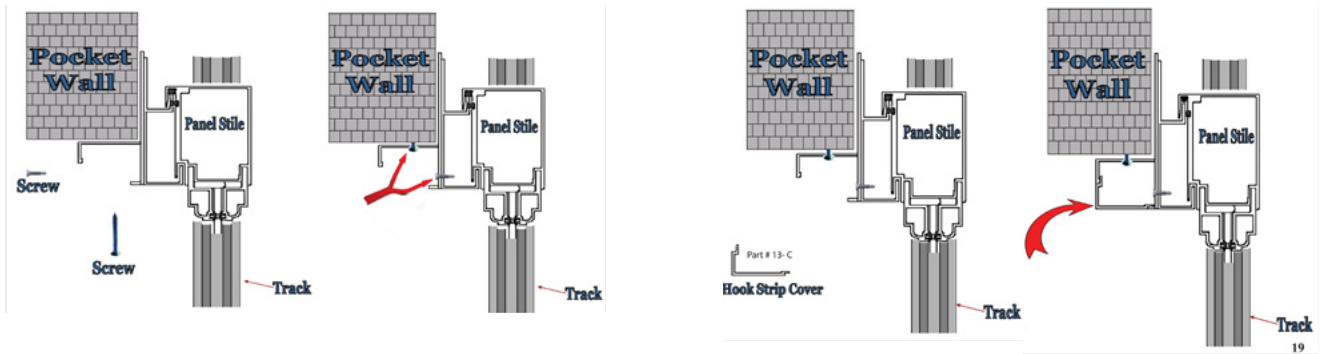
- C. Follow procedures for installing sliding glass door until all panels are installed and you are ready for "hook strip" installation.
- D. Locate the 3-piece component system. (Parts 13-A - 13-B & 13-C)
- E. Close door panels and lock them. Be sure all panels are adjusted and extended so that they are fully engaged and interlocked.

IMPORTANT: If this is a corner door you are installing, make sure to find the correct location to put the hook strip so the "male" panel stops at precisely the right location. If the "male" panel travels too short or too far you will have issues getting the multi-point locking system to line up and engage properly.

- F. Fully engage the "Hook Strip" into the interlock of the panel that will be interlocking with the hook strip assembly
- G. Place the "hook strip base" with the long fin extending along either the inside or outside of the pocket wall. Align with the "hook strip."

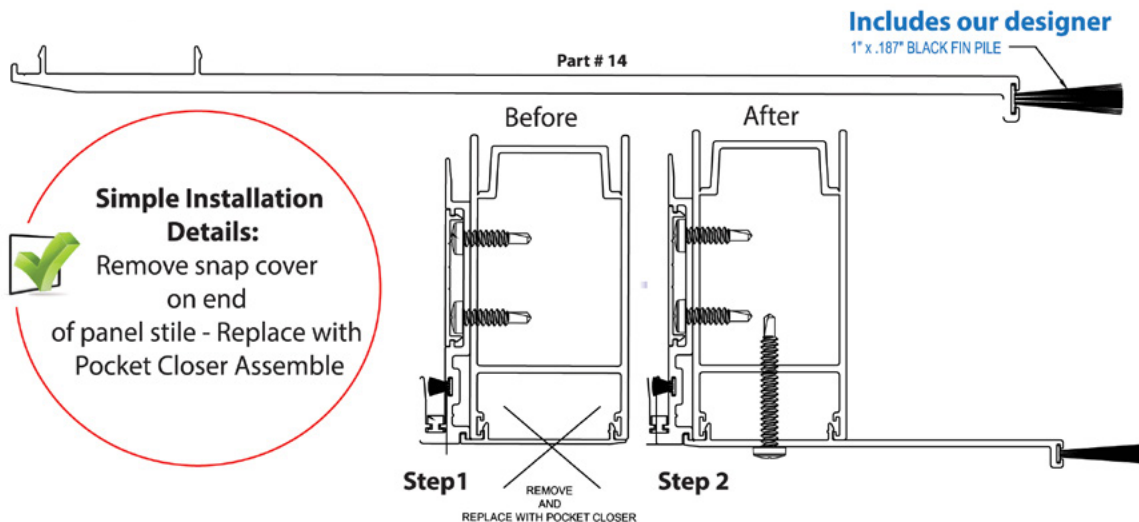


- H. Attach the base to the wall and the "hook strip" with the appropriate fasteners.
 - a. To wall: Same screws that were used to install the door frame.
 - b. To "hook strip": ½" Self-Tapping TEK screws.
- I. Check the connection of the interlock after 5 or 6 screws have been installed and then every couple after that until they are all installed. This ensures you don't install every fastener and then find that you have a problem with the interlock.
- J. After ensuring that the door interlocks properly, snap the "hook strip cover" into the "hook strip mount" to cover all exposed fasteners.



POCKET DOOR CLOSER INSTALLATION

Available for our - 2 Track - 3 Track & 4 Track Closed Pocket Sliding Glass Doors Systems

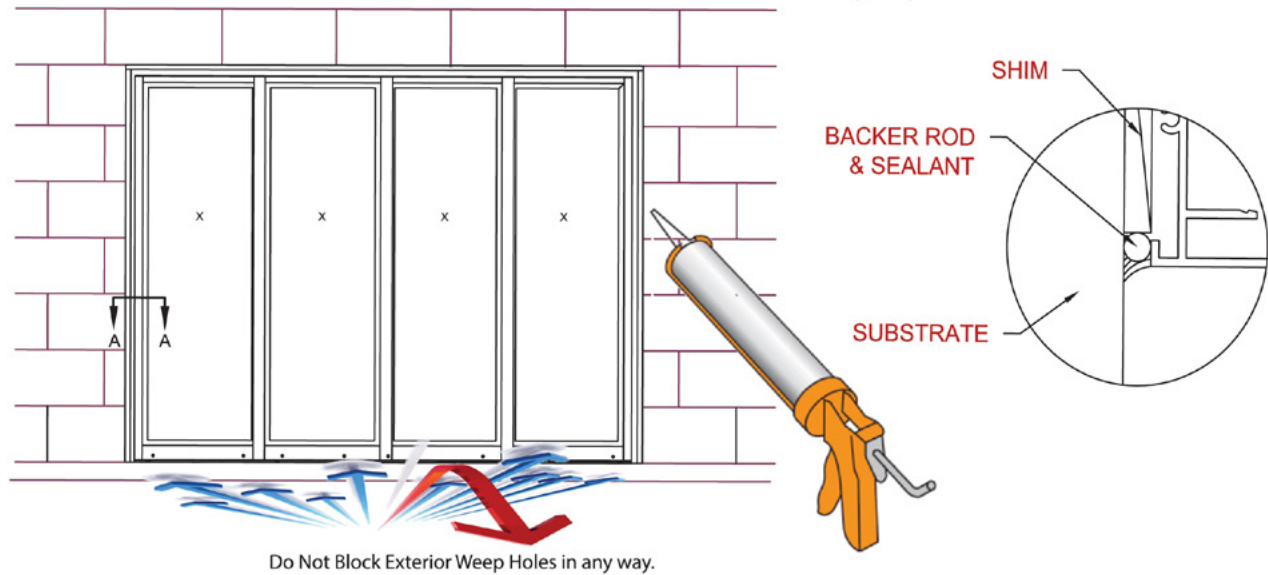


* Must be ordered as a separate line item when ordering your closed pocket Sliding Glass Door System.

Contact your Inside WinDoor Customer Service Team Member 407-481-8400

PERIMETER SEALANTS

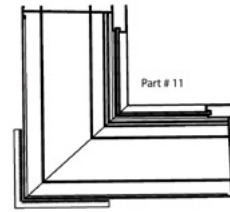
- A. Install backer rod and exterior perimeter sealants as specified to ensure a water tight condition.
WinDoor Incorporated recommends that all products be sealed and installed with a high quality polyurethane or silicone sealant that complies with ASTM C 920 Class 25 NS Specifications.
- B. Be sure that the exterior weep holes are not blocked or restricted in any way.



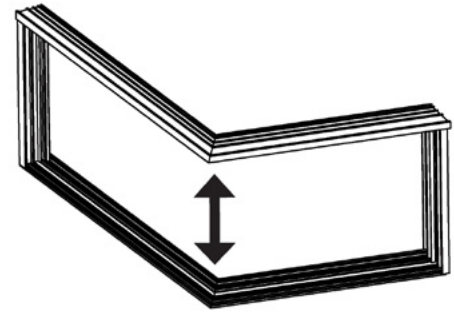
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90 & 135 DEGREE CORNER DOOR INSTALLATION

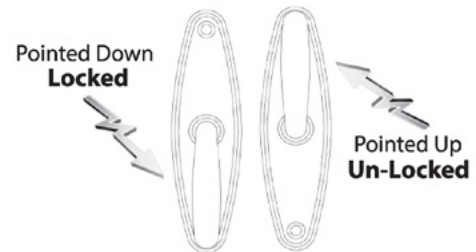
- A. With a framing square or other precision instrument, make sure the head and sill corners come together at the proper angle (90 or 135 degrees).



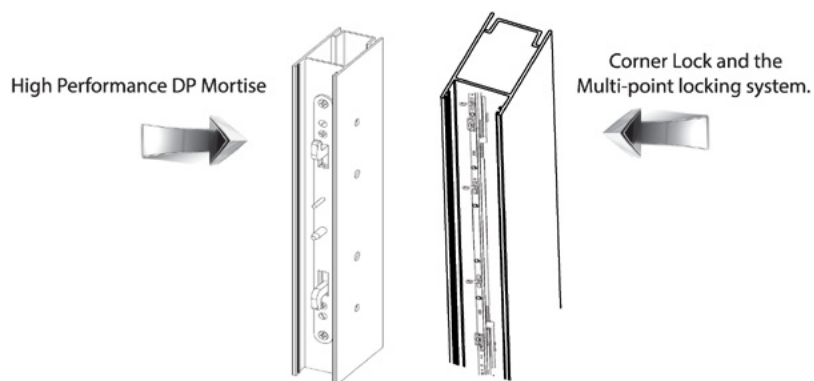
- B. **Using a plumb bob or laser level**, "drop a line" (of string or light) from the top outside corner of the head frame to the bottom outside corner of the sill. Repeat the alignment from top to bottom for both the left and right halves of the door system. It is critical that the alignment be perfect and plumb and that the spacing from head to sill be parallel and consistent. This preparation will ensure that the corners come together in a manner that will be precise.



- C. Complete the frame installation as specified in the standard door instructions.
- D. Install the panels into the opening.
- E. Install the handles and thumb turns. For the 8100 Series, the thumb turns should be pointing up when unlocked and down when locked, a 180° turn.

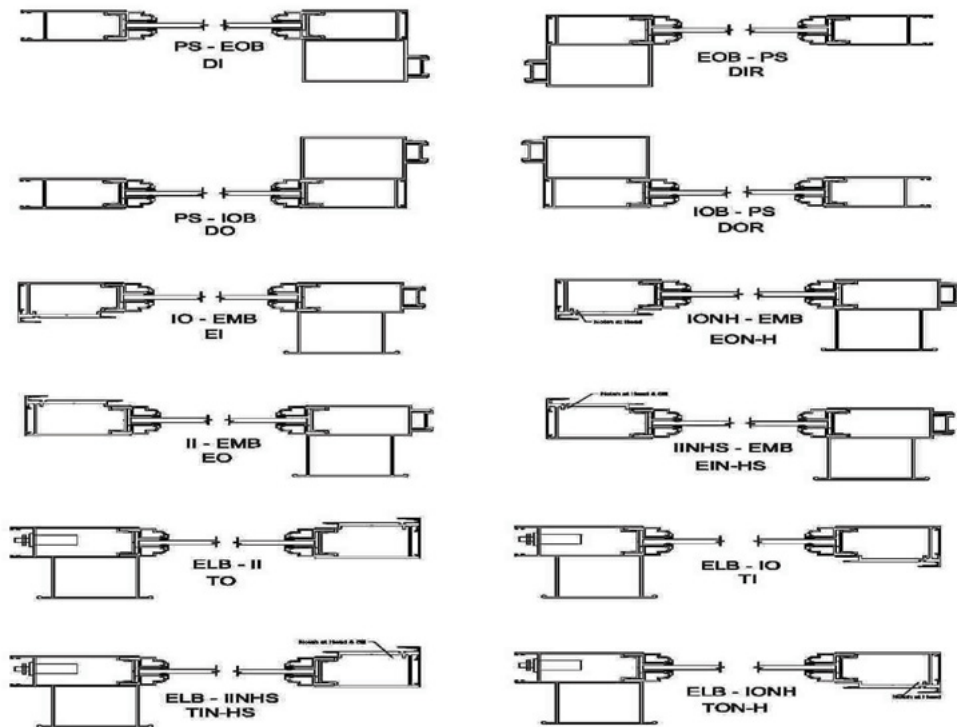


Note: This differs from the normal operation of the Signature thumb turn on standard doors which travels 90°. This is because the 8100 Series corner doors use a multipoint locking system, rather than a mortise lock.



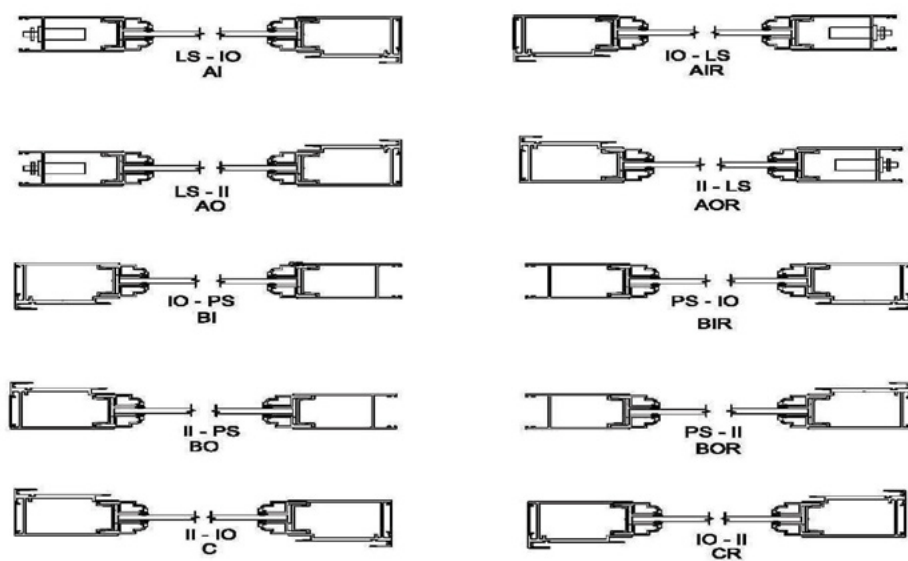
- F. Adjustments for the multi-point locking doors should only be made by raising or lowering the wheels on the panels. Ensure the vertical rails, where the two panels meet at the corner, line up and that each mushroom cam fits into the slotted holes in the keepers.
- G. Lock the door making sure the locks are engaging fully into the keepers.

INSIDE



OUTSIDE

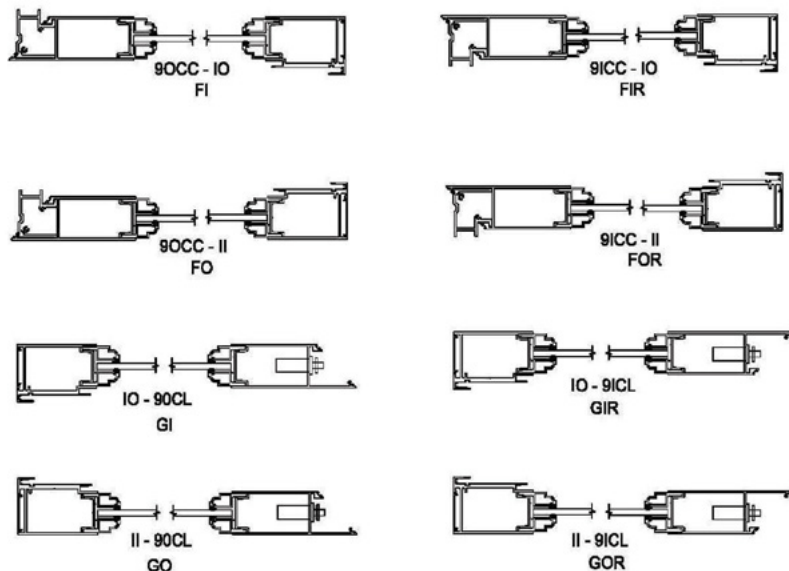
INSIDE



OUTSIDE

90 DEGREE CORNER PANELS

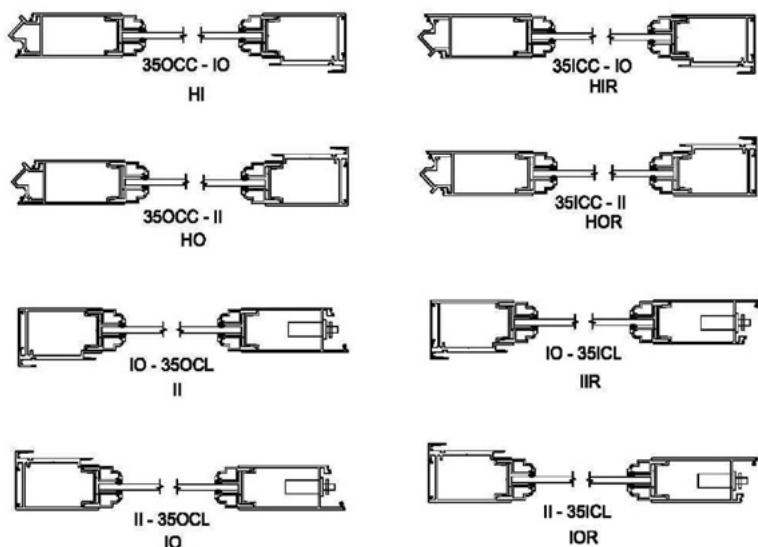
INSIDE



OUTSIDE

135 DEGREE CORNER PANELS

INSIDE



OUTSIDE

(KEY) Panel Parts

Lock Stile	LS
Plain Stile	PS
Interlock Hooks Out	
Inside Panel	10
Interlock Hooks In	
Outside Panel	II
Interlock W/Notch	
Top Only Hooks Out	
Inside pocket Panel	IONH
Interlock W/ Notch Top	
& Bottom Hooks In	
Outside Pocket Panel	IONHS
Interior Offset Butt Stile	IOB
Exterior Offset Butt Stile	EOB
Exterior Male Butt Stile	EMB
Exterior Locking Butt Stile Exterior	IMB
Locking Butt Stile	ELB
Plain Stile W/MT Astagal	PA
Plain Stile W/ Interlock	
Adapters Hooks Out	
Inside Panel	PIAO
Plain Stile W/ Interlock	
Adapters Hooks In	
Outside Panel	PIAI
Plain Stile W/ Interlocks	
Adapters Notch Top Only	
Hooks Out Inside Pocket Panel	PIAONH
Plain Stile W/ Interlock Adapters	
Notch Top & Bottom	
Hooks In Outside Pocket Panel	PIAINHS
90 Degree Inside Corner	
With Lock	9ICL
90 Degree Outside Corner	
With Lock	9OCL
90 Degree Inside Corner	
With Clip	9ICC
90 Degree Outside Corner	
With Clip	9OCC
135 Degree Inside Corner	
With Lock	35ICL
135 Degree Outside Corner	
With Lock	35OCL
135 Degree Inside Corner	
With Clip	35ICC
135 Degree Outside Corner	
With Clip	35OCC

9. INSTALLATION COMPLETE

Verify fit and function. The sliding glass door should now be completely installed. Should parts need to be replaced, contact your local dealer.

The exterior of door panels, frames, and glass should be washed with a mild cleaning solution of detergent or soap and water. Coastal Conditions require that the panels be cleaned monthly while Non-Coastal areas require cleaning a minimum of twice a year.

ASSEMBLY INSTRUCTIONS



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relentless pursuit of 100%.