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INSTALLATION GUIDE SLIDING PATIO SYSTEMS



If prefinishing, we suggest doing so before installing the panels.

This unit will not operate or lock properly if the frame is not

PERFECTLY SQUARE AND PLUMB.

ENSURE THE JAMB IS INSTALLED 100% SQUARE, LEVEL AND PLUMB USING A LASER LEVEL DEVICE AND/OR A 6' OR 8' LEVEL.

If a factory service call is requested and the cause of the issue is found to be a unit installed out of square and/or plumb, the service call will be billed to the customer.

IMPORTANT:

This unit has been engineered to work with the weatherstripping installed on the unit. If weatherstripping must be removed for painting or finishing, please make note of where it goes before removing it. It is the installer's responsibility to replace all weatherstripping in exactly the same locations as installed by factory. Failure to do so may cause the unit to leak water and air.

IMPORTANT: A SILL PAN AND PROPER WATERPROOFING (BY OTHERS) ARE REQUIRED FOR PROPER INSTALLATION OF THIS UNIT **FIG 2.**

These are not step-by-step instructions. Manufacturer assumes no liability for omissions/errors and/or installation errors. Please call the factory if there are any questions 1-800-559-9995

Instructions are written as viewed from EXTERIOR side of unit

Thank you for ordering your Standard Sliding Patio System from AG Millworks. This unit was completely built-up with all hardware installed at our factory in Ventura, California. The unit was fully tested and components were adjusted and then the doors were removed, marked and boxed, and the frame may have been disassembled and boxed. Please contact the factory before making any hardware adjustments.

Step 1:

K.D. Unit (Knocked Down) Assembly

If the frame was delivered fully assembled then skip to *Step 2*. If the frame was not delivered assembled, assemble and screw together the four sections of the frame: (1) Head Jamb, (2) Jamb legs, (1) Sill using generous amounts of the provided high-quality silicone caulking **FIG. 1** on next page.

Step 2:

NOTICE: Do not use expanding foam between the frame and the opening. Doing so could bow the frame and result in poor operation and product performance.

Place the frame into the opening and be sure it is shimmed and **completely plumb, level, and square**. The installer should use their discretion for the location of the attachment points and drill holes through the head jamb to the header.

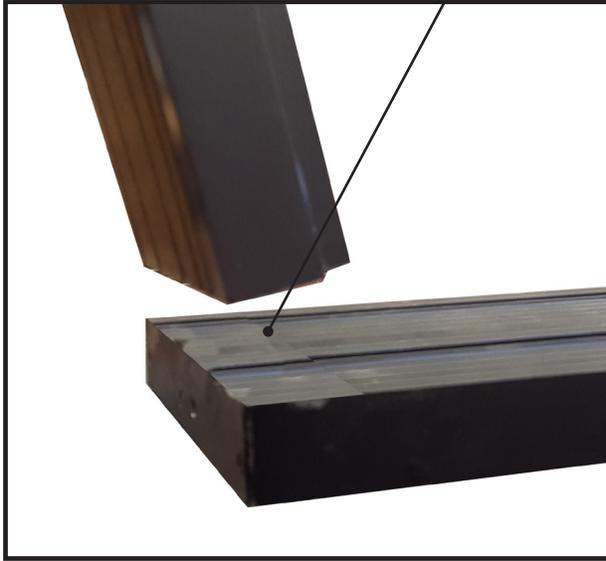
Use of temporary shims in the head gap is only for squaring up the frame. Do not screw through shims! Be sure to remove all head jamb shims before finishing the opening. The open gap between the head jamb of the sliding system and the structural header must be preserved so that if deflection of the structural header develops (as a result of settling, roof loading, etc.) and pushes downward on the head jamb the problem can be remedied. The panels can be moved to one side to take pressure off the head jamb and the head jamb screws can be tightened slightly, pulling the head jamb upward and relieving the deflection of the head jamb and freeing up roller operation. After panels have been installed, the installer should recheck for head track deflection, as the opening may respond to the weight of the panels.

The installer has various options for securing the sill depending on the job site, **e.g. a generous amount of high quality sealant such as OSI Quad Max**. However, be sure all products are compatible with one another. Ultimately, the installer needs to determine the best method to prevent the sill from lifting off the subfloor. **We suggest coating the bottom of the oak dam with bituthene, silicone or similar waterproof coating to prevent any absorption.** Secure the frame into the opening **completely plumb, level and square**. See **FIG 2** for basic sill pan information.

Place the loose panels nearby with the exterior side facing you. Panel numbers are marked on the cartons and on each panel **FIGS 3 thru 5**. **We suggest prefinishing panels before installation.** This includes accessory kerfs for weatherstripping. Failure to do so will cause the kerf to spread and not hold weatherstripping any longer.

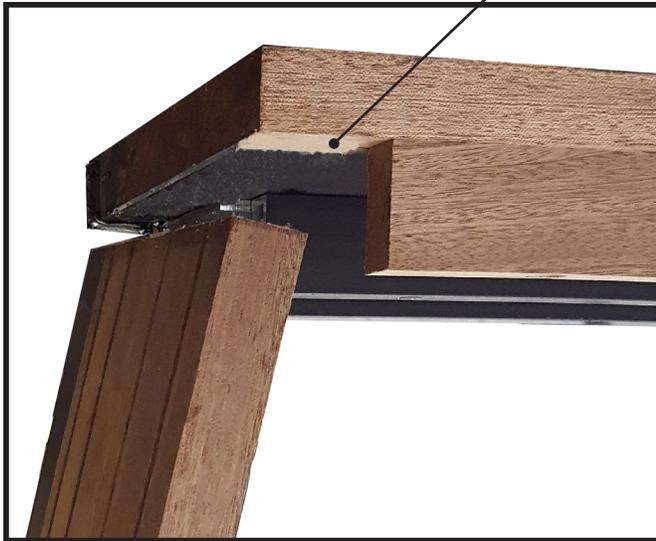
FIG 1: Slider Frame Assembly

Assembling leg jamb to aluminum sill. Apply generous beads of silicone caulking.



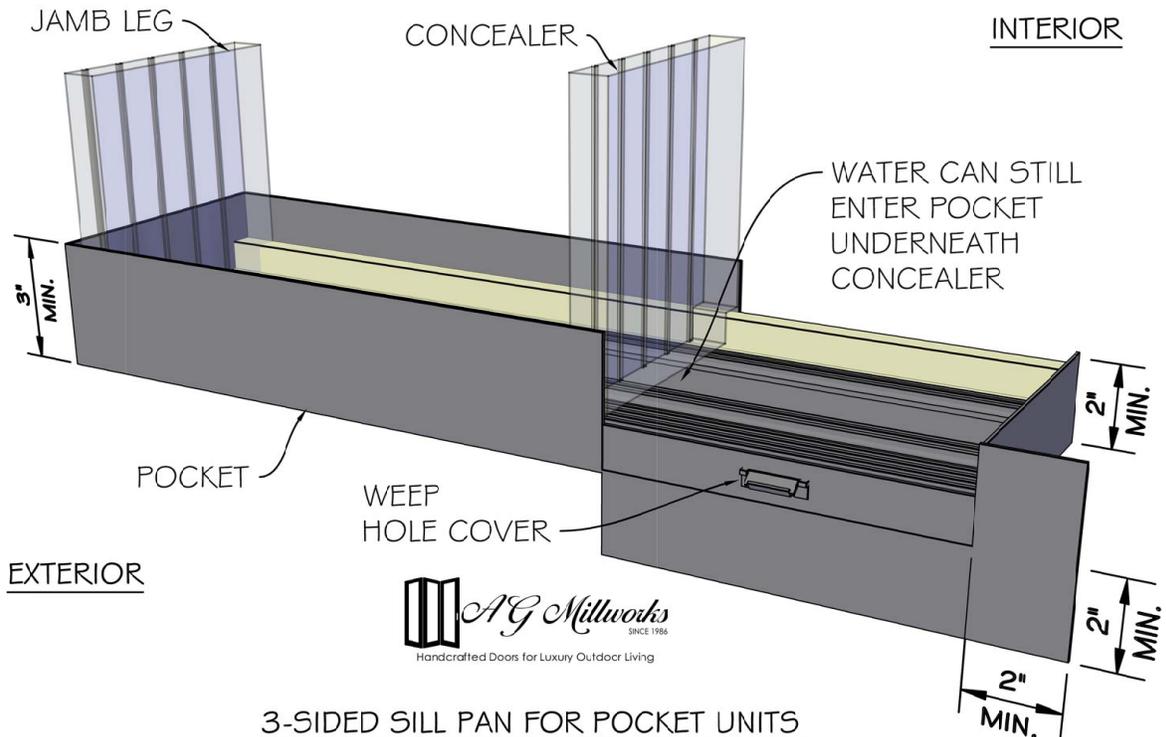
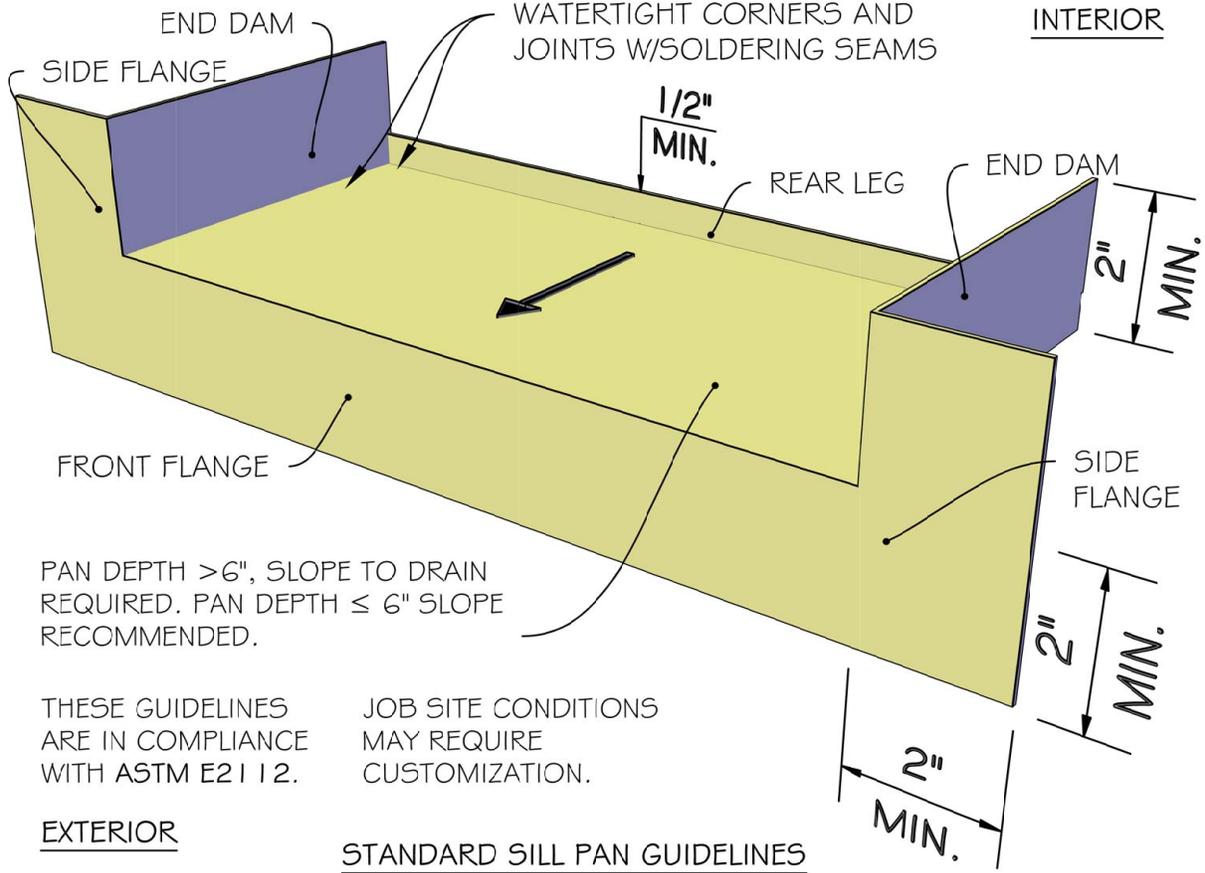
View from Exterior

Assembling leg jamb to head jamb. Apply generous beads of silicone caulking.



View from Interior

FIG 2: SILL PAN INFORMATION



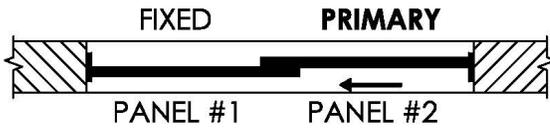
NEED TO HAVE 3-SIDED SILL PAN WITH WELDED CORNERS FOR THE POCKET. THIS WILL PREVENT WATER FROM PENETRATING INTERIOR.

Step 3: Find Your Configuration:

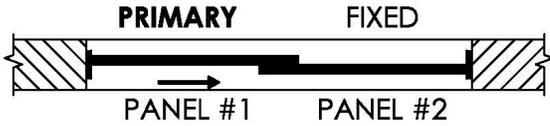
FIG 3.A: SLIDER CONFIGURATIONS-STACKED UNITS

(Bi-parting panels on the same track should be installed simultaneously)

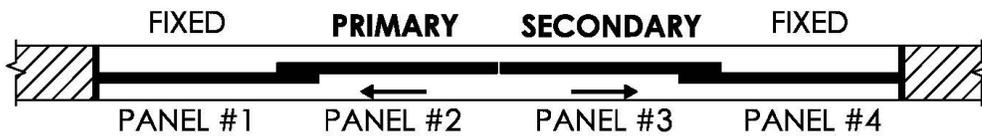
INTERIOR
(OX)
PLAN VIEW



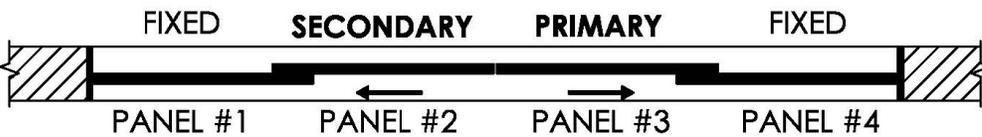
EXTERIOR
INTERIOR
(XO)
PLAN VIEW
EXTERIOR



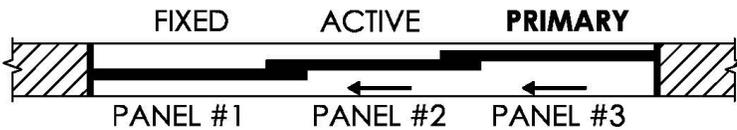
INTERIOR
(OA XO)
PLAN VIEW
EXTERIOR



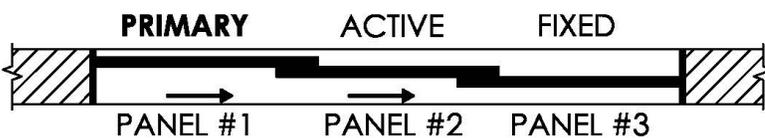
INTERIOR
(OX AO)
PLAN VIEW
EXTERIOR



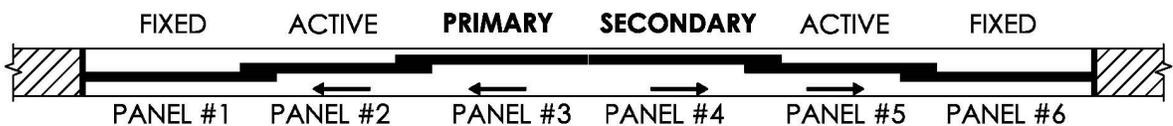
INTERIOR
(OXX)
PLAN VIEW
EXTERIOR



INTERIOR
(XXO)
PLAN VIEW
EXTERIOR



INTERIOR
(OXA XXO)
PLAN VIEW
EXTERIOR



INTERIOR
(OXX AXO)
PLAN VIEW
EXTERIOR

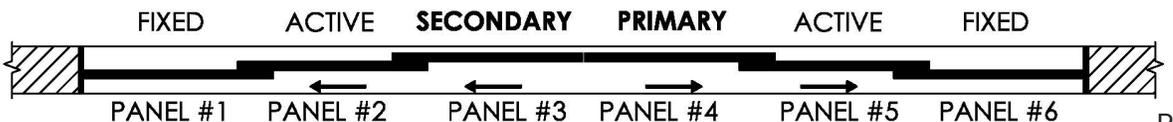


FIG 3.B: SLIDER CONFIGURATIONS-STACKED UNITS

(Bi-parting doors on the same track should be installed simultaneously)

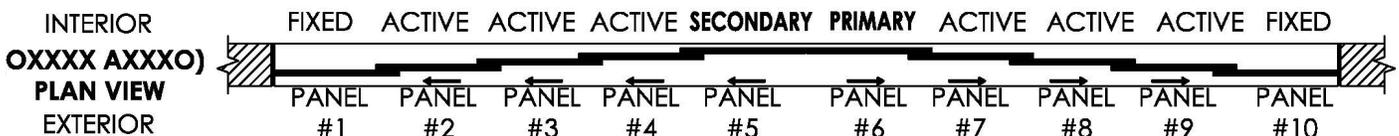
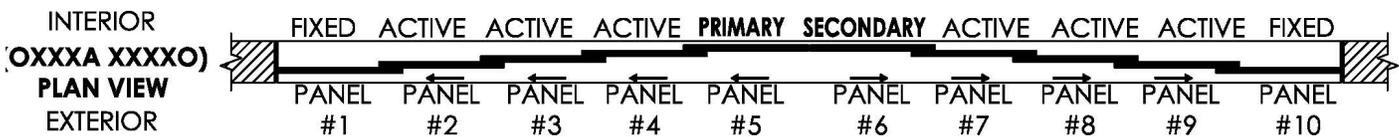
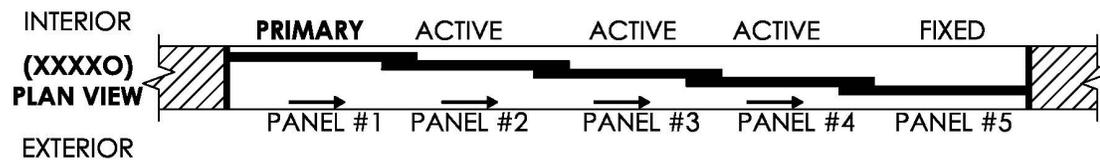
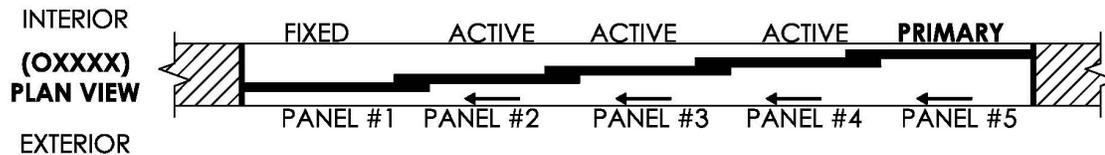
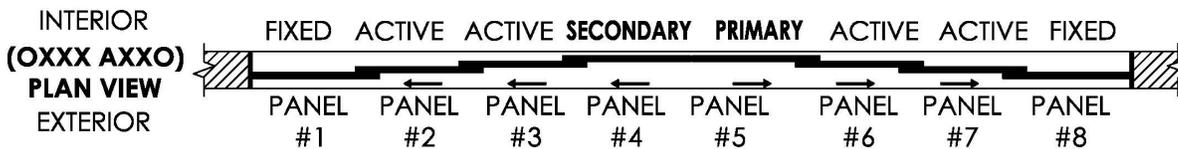
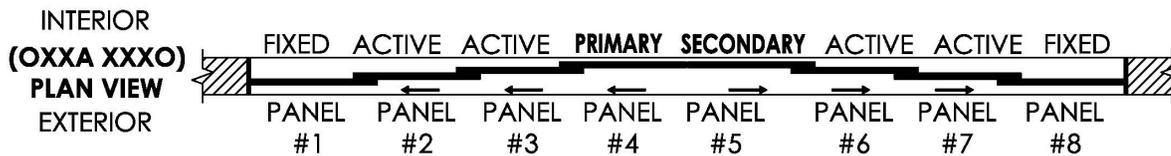
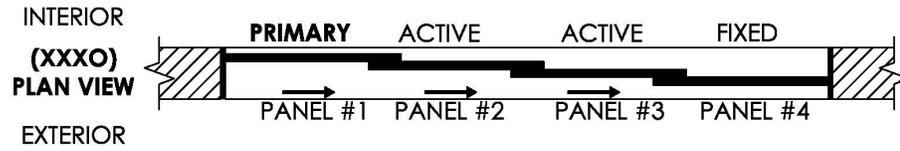
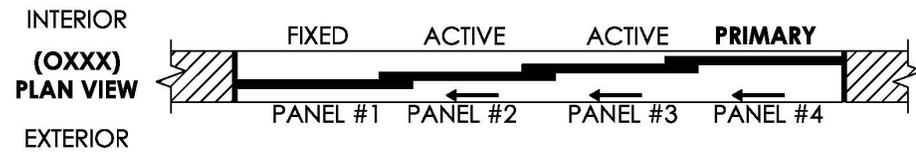


FIG 4.A: SLIDER CONFIGURATIONS-POCKET UNITS

(Bi-parting doors on the same track should be installed simultaneously)

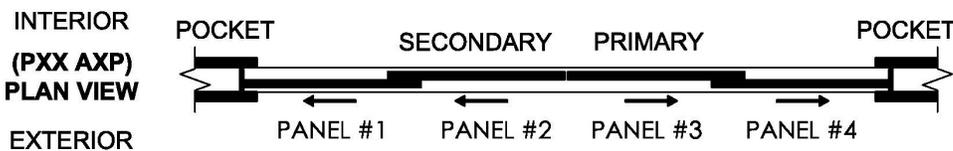
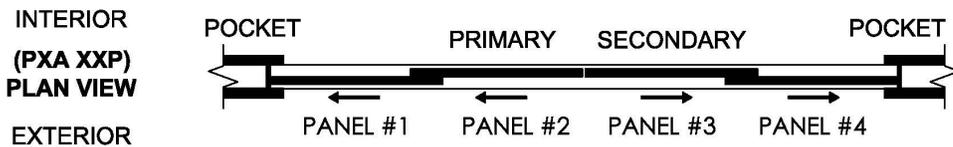
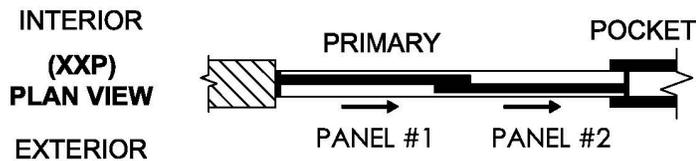
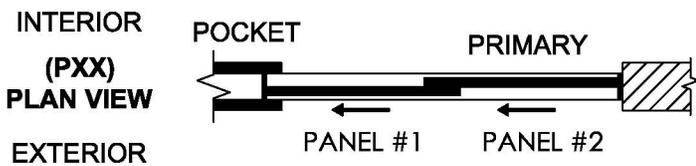
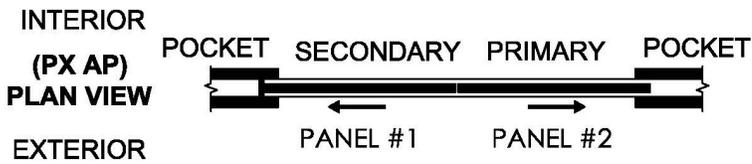
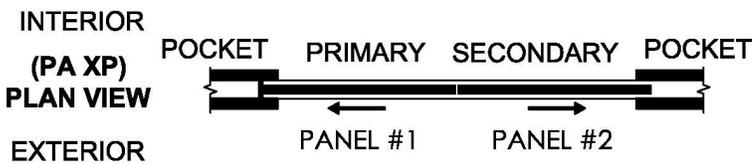
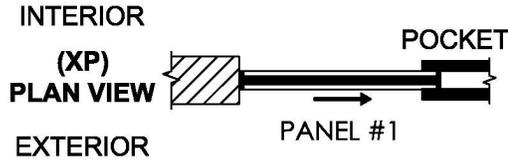
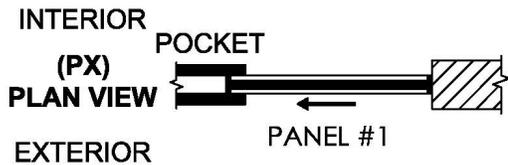


FIG 4.B: SLIDER CONFIGURATIONS-POCKET UNITS

(Bi-parting doors on the same track should be installed simultaneously)

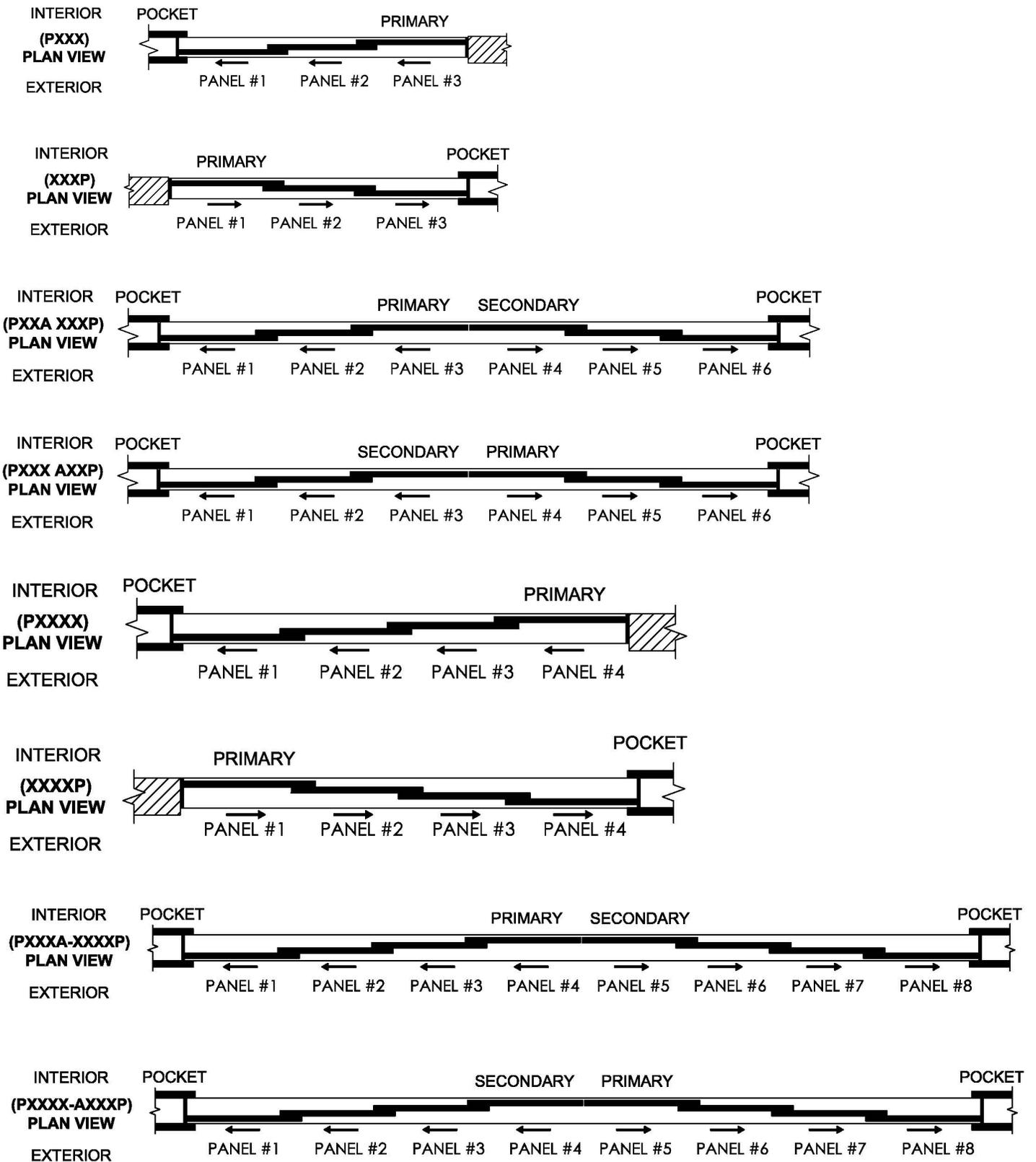


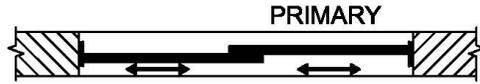
FIG 5: SLIDER CONFIGURATIONS- MULTI SLIDERS

INTERIOR
(AX)
PLAN VIEW



EXTERIOR

INTERIOR
(XA)
PLAN VIEW



EXTERIOR

INTERIOR
(AXX)
PLAN VIEW



EXTERIOR

INTERIOR
(XXA)
PLAN VIEW



EXTERIOR

INTERIOR
(XXXA)
PLAN VIEW



EXTERIOR

INTERIOR
(AXXX)
PLAN VIEW

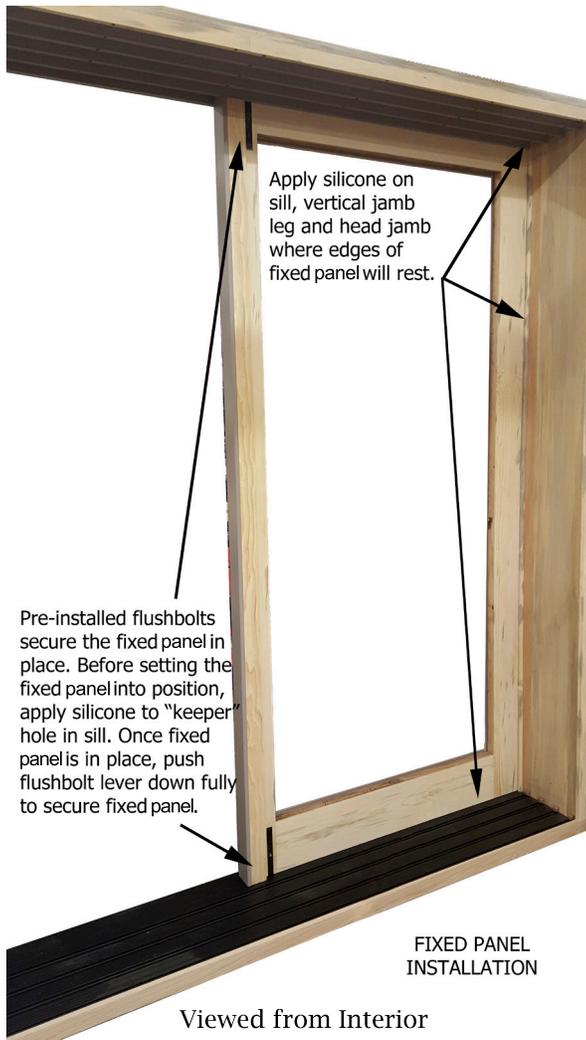


EXTERIOR

Step 4: INSTALLATION INSTRUCTIONS FOR STACKED UNITS (See Step 10 for Pocketing Units)

(All references to left and right as viewed from exterior)

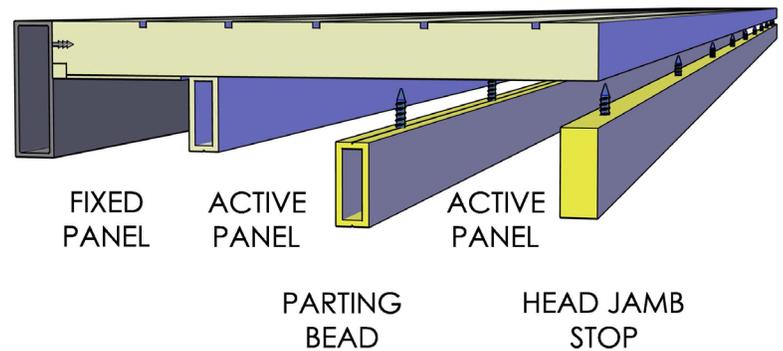
FIG 6: Fixed Panel Install



INSTALLING FIXED PANEL: (From the Exterior) Apply silicone to the sill, vertical jamb and head jamb where the edges of the fixed panel will rest. Also, apply silicone inside the "keeper" hole in the sill which will receive the bolt from the flushbolt installed on a stile face of fixed panel. Before attempting to set the fixed panel in place, be sure the flushbolts are fully retracted. Fit the top of fixed panel into the head jamb and set the bottom of fixed panel on the sill. Fit the panel firmly against the jamb leg, check for level **FIG 6**. Once the fixed panel is in place, and the flushbolt lever is pushed down, the fixed panel will be secured in the frame.

If bi-parting unit, repeat installation of fixed panel on the opposite side.

BEFORE INSTALLING ACTIVE PANELS, REMOVE THE INTERIOR HEAD JAMB STOP AND PARTING BEADS IN THE HEAD JAMB EXCEPT THE ONE HOLDING THE FIXED PANEL.



INSTALLATION OF INTERMEDIATE PANELS: (From the Interior) Place the wheels of intermediate panels on the track behind fixed panel and tilt the top of the panel upward into position. Be sure that the stiles overlap so that the check rails on the two panels will connect and form a seal. Check to be sure the panel rolls properly.

If bi-parting unit, repeat installation of intermediate panels on the opposite side.

Reinstall the parting bead to hold the panel(s) in place. Please note that the panel(s) is not secured in the frame and could fall out of the unit unless the parting bead is screwed into the head jamb. Be sure that the panel rolls smoothly before proceeding.

INSTALLATION OF PRIMARY PANEL: (From the Interior) Place the wheels of primary panel on the interior track and tilt the top of the panel upward into position. Be sure that the stiles overlap so that the check rails on the two panels will connect and form a seal. Check to be sure the panel rolls properly.

Reinstall the parting bead to hold the panel(s) in place. Please note that the panel(s) is not secured in the frame and could fall out of the unit unless the parting bead is screwed into the head jamb. Be sure that the panel rolls smoothly before proceeding.

If necessary, adjust the wheels to insure panels align **FIG 7**.

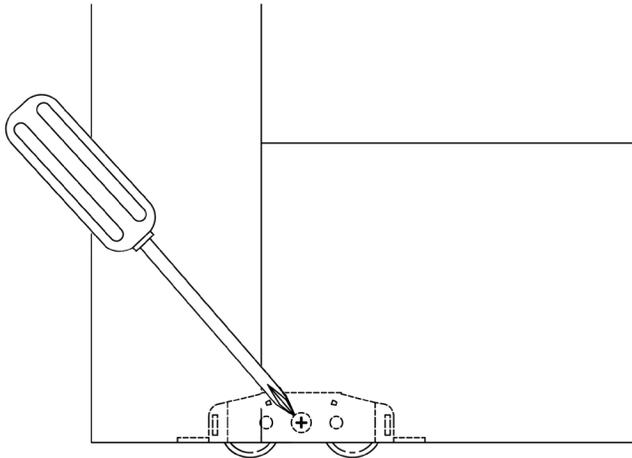
Adjust the strikeplate up or down if necessary to align with the lock on the door **FIG 8**.

Step 5:

FIG 7: Vertical Adjustment

CAUTION: DO NOT MAKE ADJUSTMENTS TO THE WHEELS UNTIL YOU HAVE INSURED THE JAMB IS INSTALLED 100% SQUARE, LEVEL AND PLUMB.

This sliding system was fully built up, operated and adjusted on our production floor. Minor, if any adjustment should be needed on the jobsite. If required, adjust the stainless steel rollers as illustrated below.



The weight of the panel may interfere with the adjusting mechanism. Before adjusting have helpers lift the panel up either by hand or with the aid of suction cups on the glass to alleviate the pressure on the wheels .

- Counter-clockwise = Down
- Clockwise = Up

FLAT COVER FOR WHEEL ADJUSTMENT SCREWS



Step 6:

Apply handleset(s) if not already installed.

FIG 8: Strikeplate Adjustment-Hoppe/Dallas Hardware only

Strikeplate for handle is surface mounted.

Adjust the strike plate up and down proper alignment then fasten with screws to lock in place.

If **Hoppe/Dallas handles**, apply the bumpers provided **FIG 9**. These will prevent the Hoppe/Dallas handles from hitting the front edge of the adjacent panel. If **Truth Flush Pull Handle**, apply the catchplates as shown in **FIG 10**.

If there are any questions during installation, please feel free to call our factory for technical assistance at (805) 644-4494 or 1-800-559-9995 (toll free in USA) between the hours of 8:00 a.m. and 4:30 p.m.



Step 8:

**FIG 9: HOPPE/DALLAS HANDLE
BUMPERS & CATCH PLATE
LOCATIONS**



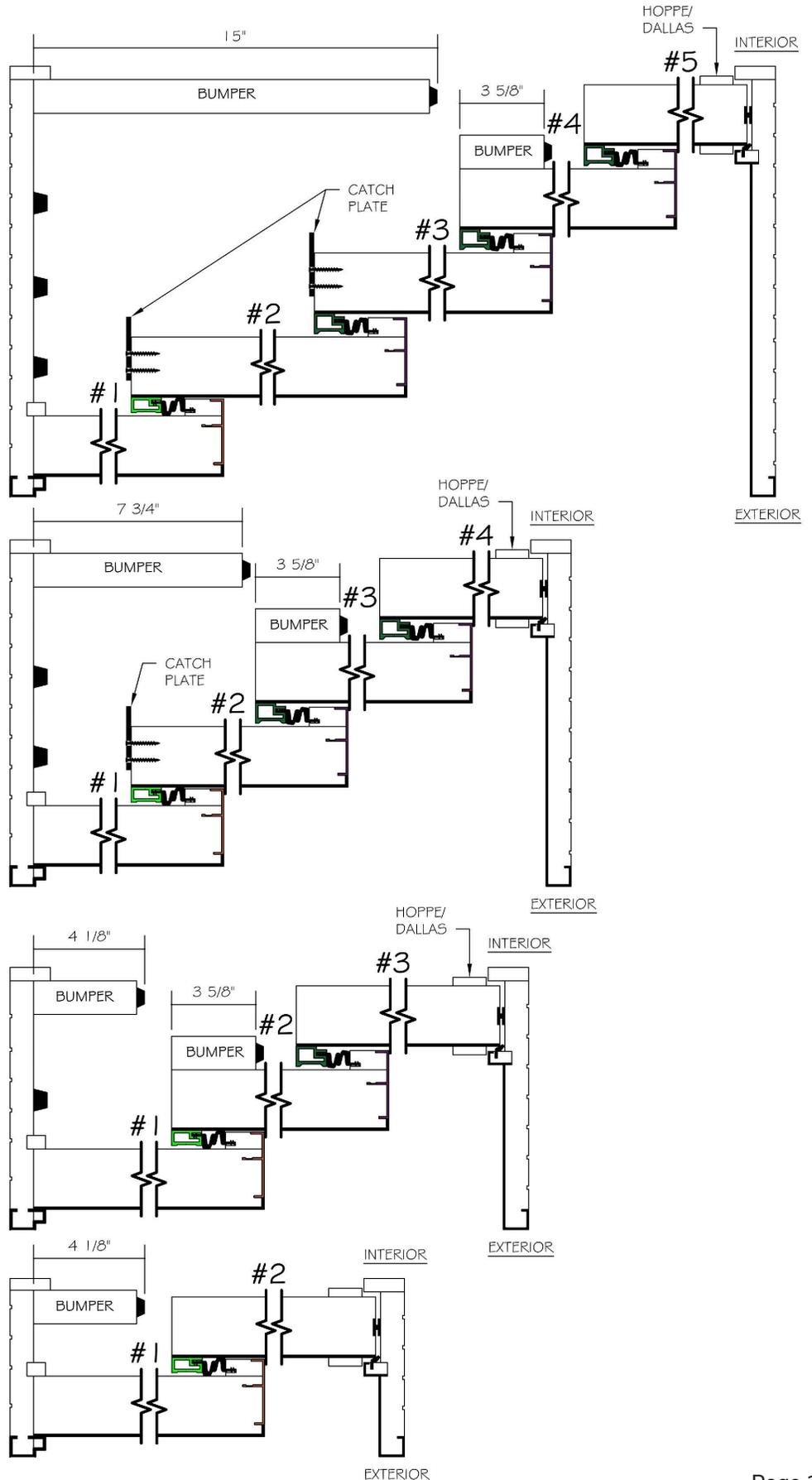
Install the catch plate on the top back edge of the panel.



3 5/8" Bumper applied to the top interior stile of door.



4 1/8" Bumper applied to bottom and top of interior sill and head jamb opposite of primary panel with handle set.

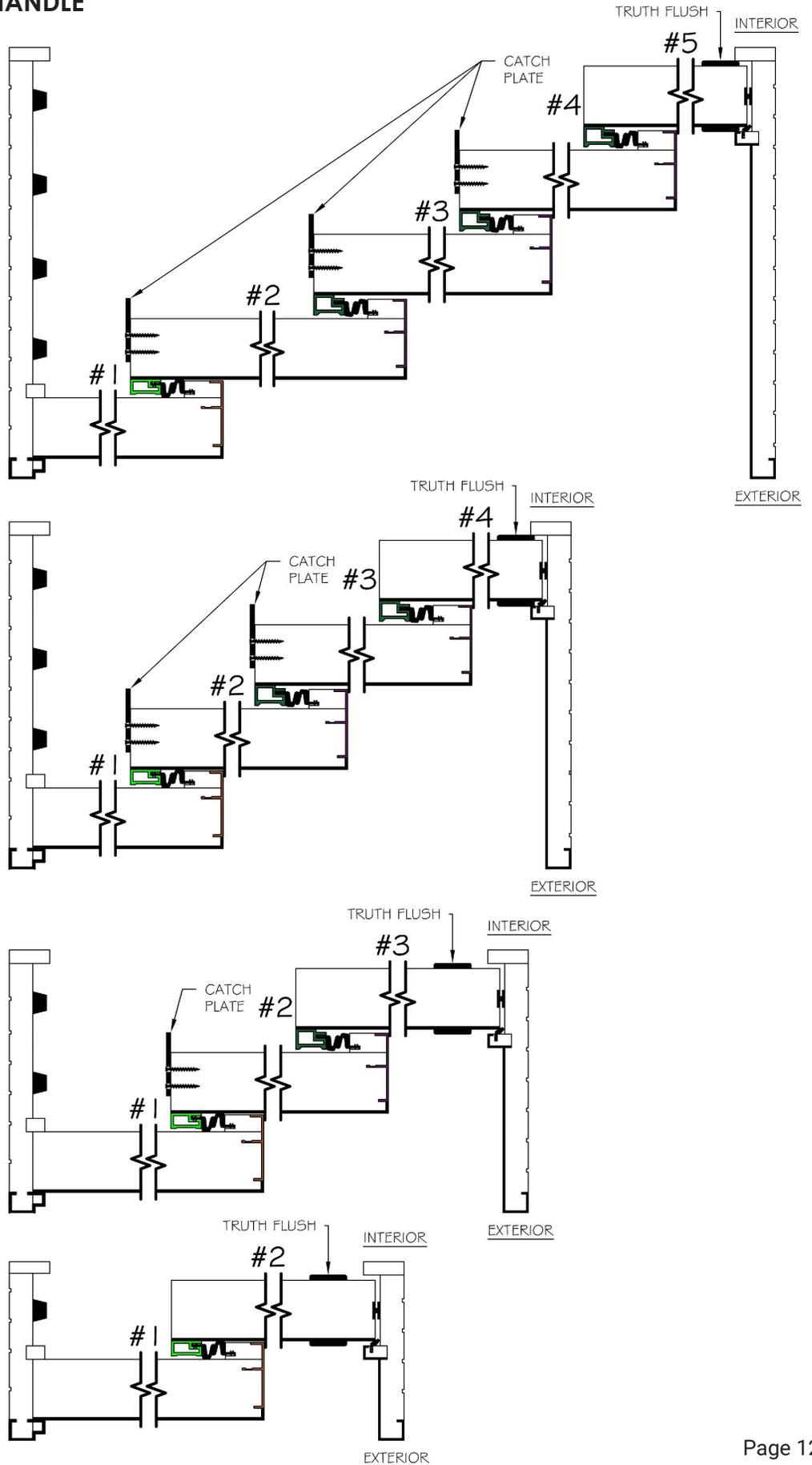


Step 9:

**FIG 10: TRUTH FLUSH PULL HANDLE
CATCH PLATE LOCATIONS**



Install the catch plate on the top back edge of the panel.



Step 10:

INSTALLATION INSTRUCTIONS FOR POCKET UNITS (All references to left and right as viewed from exterior.)

INSTALLATION OF POCKET PANEL: From the exterior side of the unit, lift the panel up into the exterior channel and set the wheels of panel down on the track closest to the exterior edge of the unit. Have a helper hold panel in place. Check to be sure the panel will roll properly.

Now you will need to apply the pocket concealer to the back edge of panel. In order to get this wide piece into place, slide it into the pocket at an angle **FIG 11**. Line up the cutouts on the top edge of the pocket concealer with the corresponding head jamb stops and slowly bring the top of the pocket concealer over until it meets the edge of panel. Attach the pocket concealer to the panel with the screws provided (pilot holes are predrilled). Be sure that the panel rolls smoothly before proceeding.

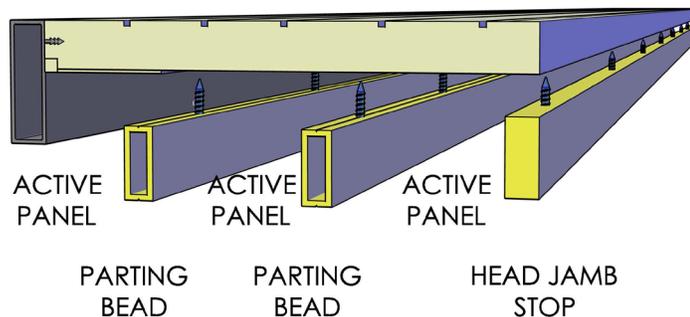
If bi-parting unit, repeat installation on the opposite side.

FIG 11: Pocket Concealer
(Attach with SCREWS ONLY.)

Concealer
Back Edge
of panel



BEFORE INSTALLING ACTIVE PANELS, REMOVE THE INTERIOR HEAD JAMB STOP AND PARTING BEADS IN THE HEAD JAMB.



INSTALLATION OF INTERMEDIATE PANELS: (From the Interior) Place the wheels of intermediate panels on the track behind pocket panel and tilt the top of the panel upward into position. Be sure that the stiles overlap so that the check rails on the two panels will connect and form a seal. Check to be sure the panel rolls properly.

If bi-parting unit, repeat installation of intermediate panels on the opposite side.

Reinstall the parting bead to hold the panel(s) in place. Please note that the panel(s) is not secured in the frame and could fall out of the unit unless the parting bead is screwed into the head jamb. Be sure that the panel rolls smoothly before proceeding.

INSTALLATION OF PRIMARY PANEL: (From the Interior) Place the wheels of primary panel on the interior track and tilt the top of the panel upward into position. Be sure that the stiles overlap so that the check rails on the two panels will connect and form a seal. Check to be sure the panel rolls properly.

Reinstall the head jamb stop to hold the panel(s) in place. Please note that the panel(s) is not secured in the frame and could fall out of the unit unless the parting bead is screwed into the head jamb. Be sure that the panel rolls smoothly before proceeding.

If bi-parting unit, repeat installation of intermediate panels on the opposite side.
Install the catch plate(s) on the top back edge of panel(s) **FIG 10**.

Prepare the flushbolt hole in head jamb. Close the doors and mark the location of the flushbolt on the top back edge of Doors #3 and #4 on the head jamb. Drill a 9/16" diameter hole with a 1" depth in the head jamb to receive the flushbolt.

IMPORTANT: The door stops will be shipped loose. This will help the unit operate properly and prevent damage to the concealer. After all the doors have been installed and fully closed, place the door stops in front of all active doors **FIG 12**.

Test slide the doors **slowly and carefully** to see if the unit opens, closes and locks smoothly.

FIG 12: Door Stops



Use screws to apply pocket stops **FIG 13**. These must be removable in the event that future service is required on this unit.

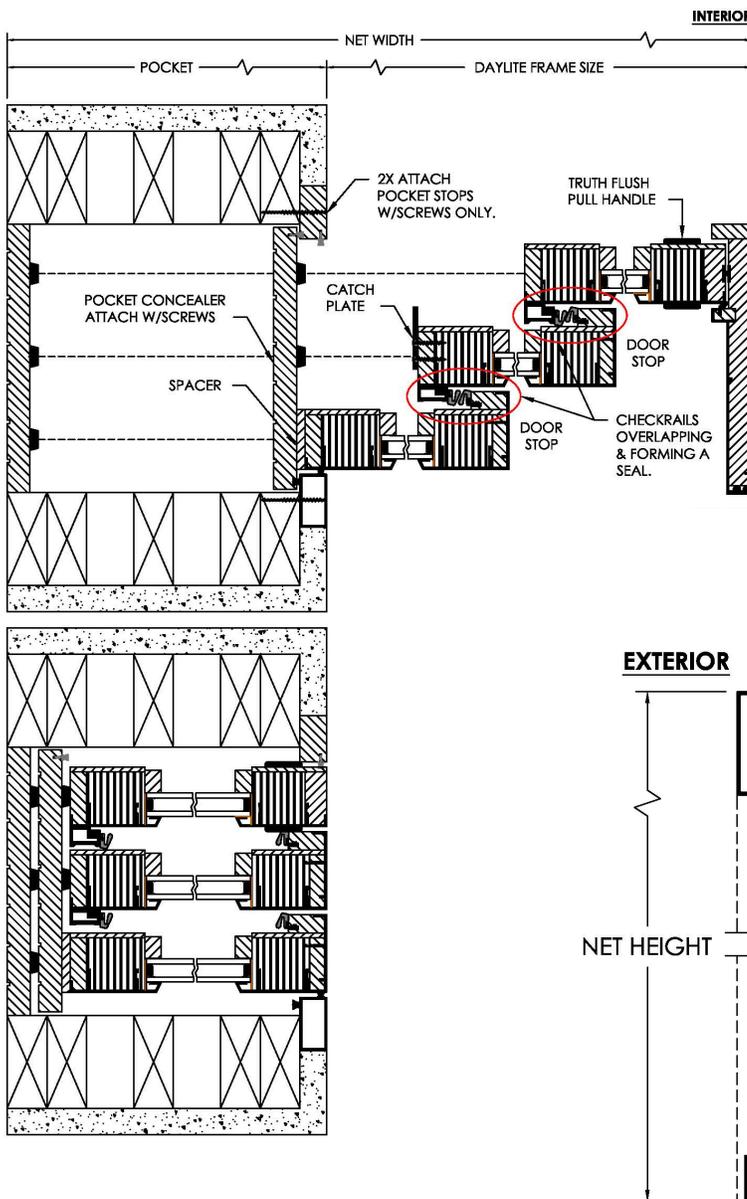
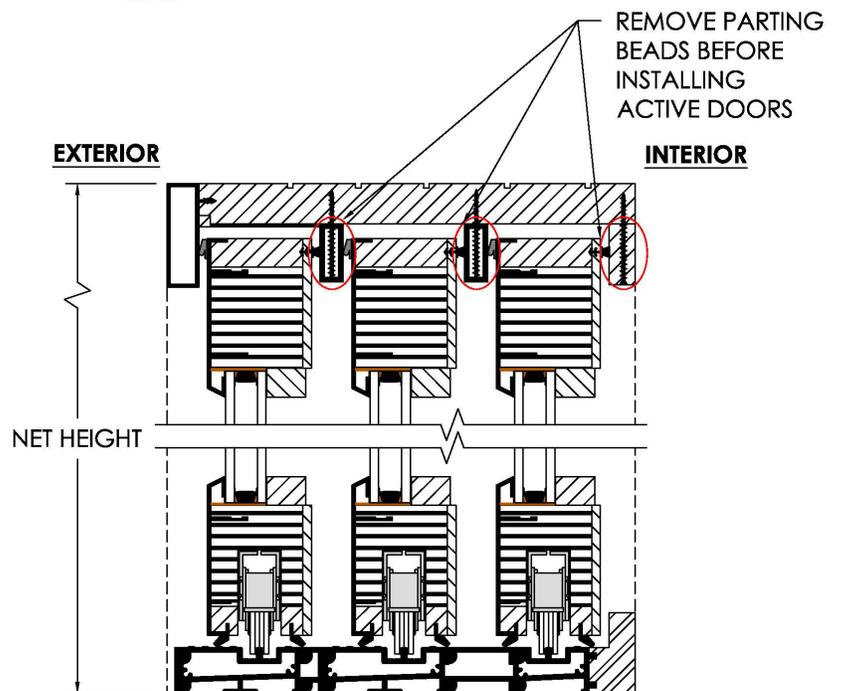


FIG 13:
Generic View of Pocket Sliding Unit.



Step 11:

FIG 14: STACKING SLIDER RECESSED TRACK PLACEMENT

Center the track between the jamb legs. When finished floor is installed, only 1/4 - 5/16" of the tracks should be visible above finished floor. It is imperative that the track system be installed level.

NO WARRANTY FOR WATER, WIND, OR DUST PENETRATION ON SLIDER UNITS WITH RECESSED TRACKS.

STAINLESS STEEL TRACKS WITH NO WEEP SYSTEM. IT IS THE SOLE RESPONSIBILITY OF THE CUSTOMER TO PROVIDE AN ADEQUATE WEEP SYSTEM FOR THE STAINLESS STEEL TRACKS.

STAINLESS STEEL TRACKS WITH WEEP SYSTEM. DESIGNED TO WORK WITH 1/2" PEX TUBES AND FITTINGS, PROVIDED BY OTHERS.

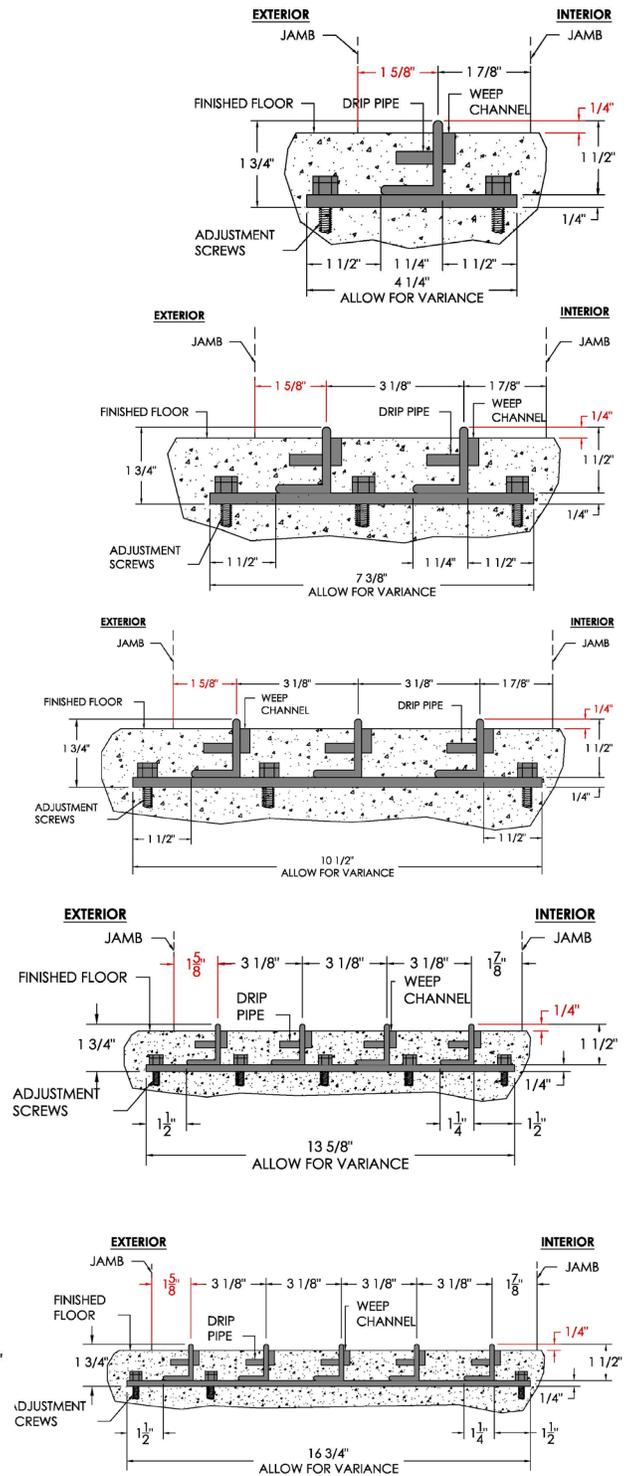
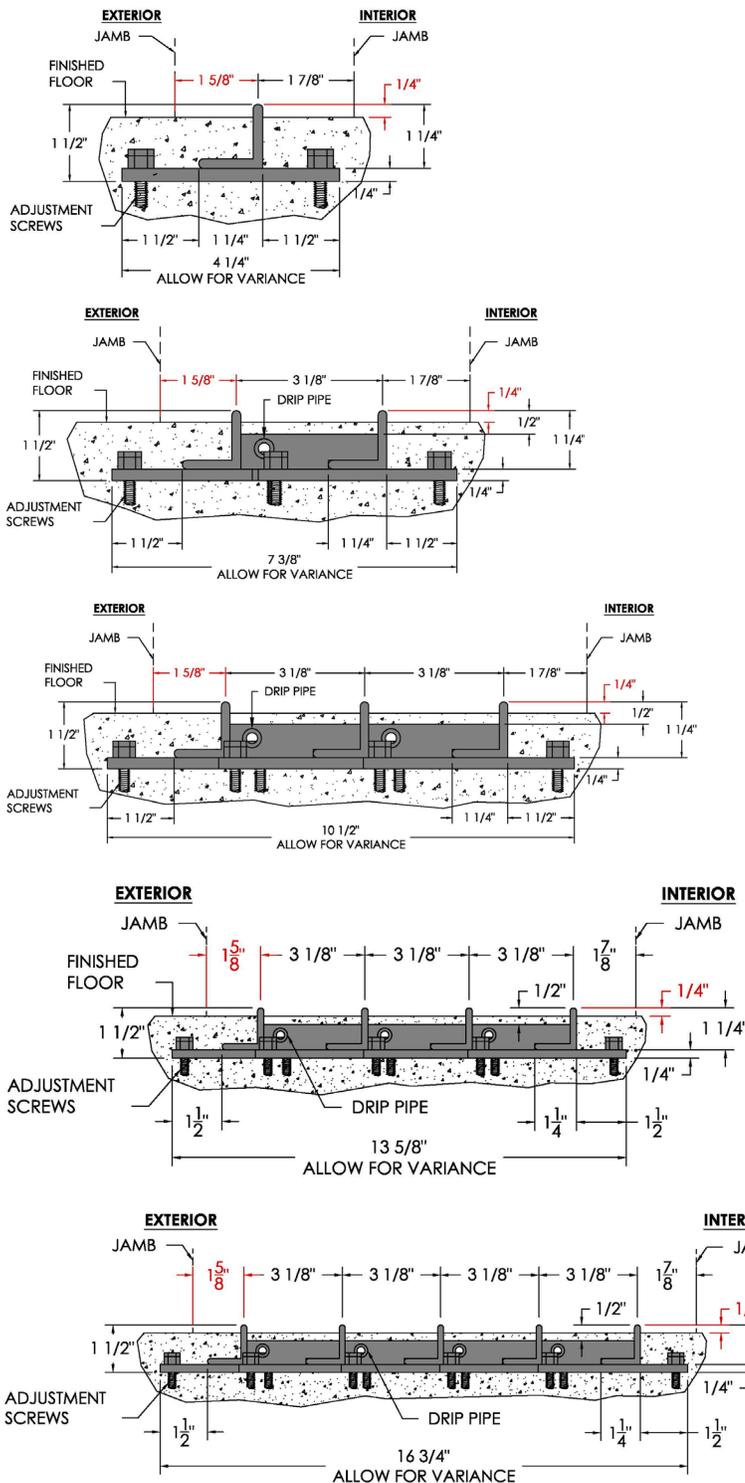


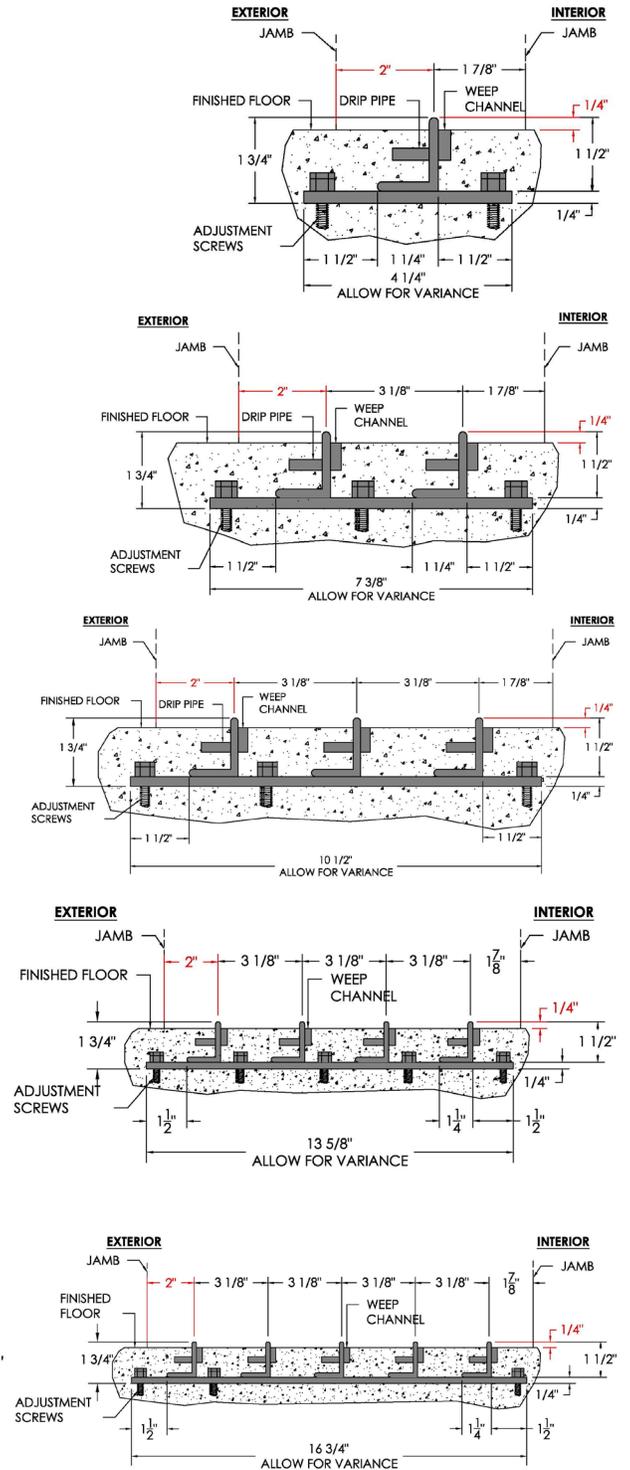
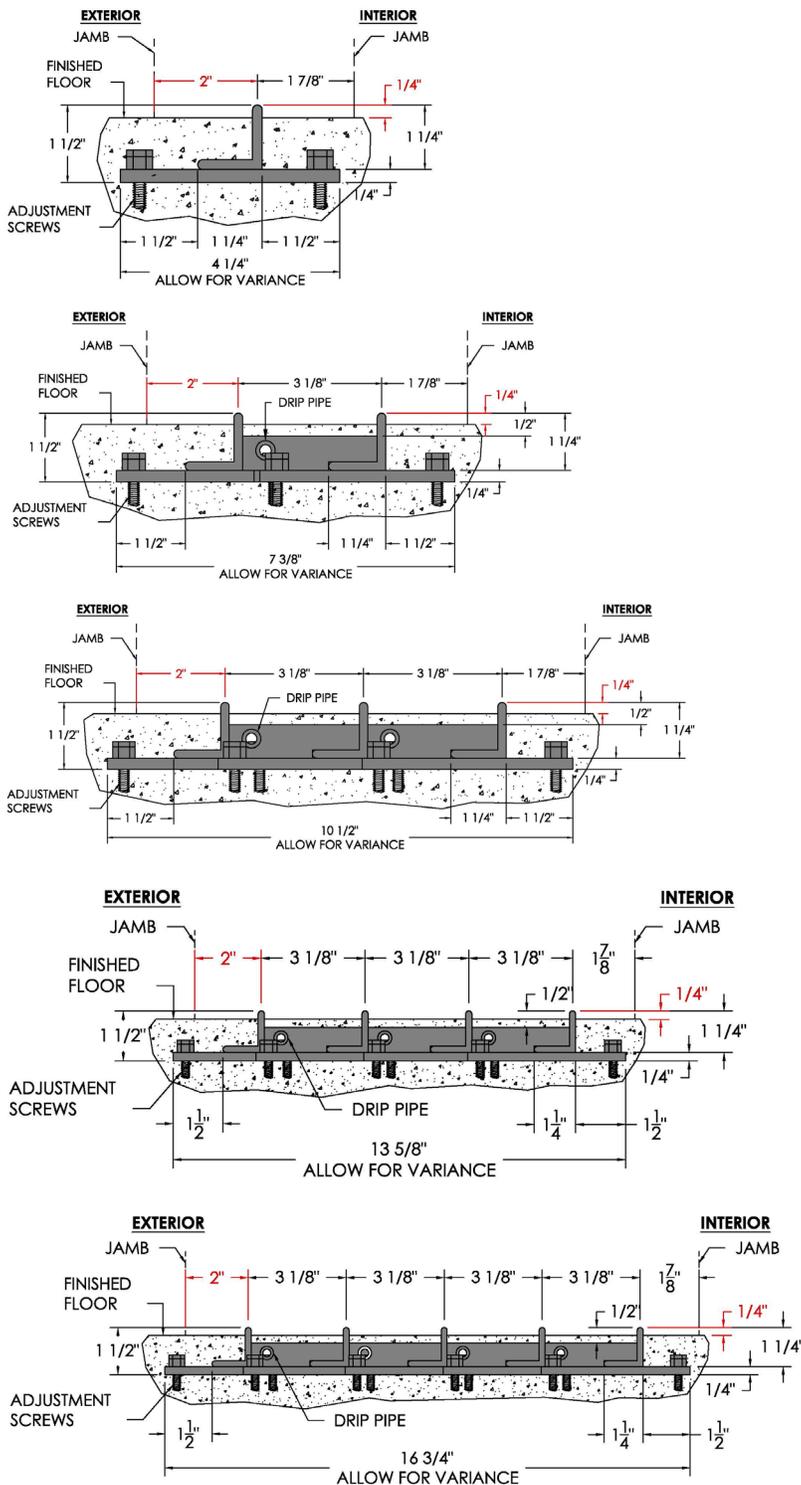
FIG 14: POCKET SLIDER RECESSED TRACK PLACEMENT

Center the track between the jamb legs. When finished floor is installed, only 1/4 - 5/16" of the tracks should be visible above finished floor. It is imperative that the track system be installed level.

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STAINLESS STEEL TRACKS WITH WEEP SYSTEM. DESIGNED TO WORK WITH 1/2" PEX TUBES AND FITTINGS, PROVIDED BY OTHERS.

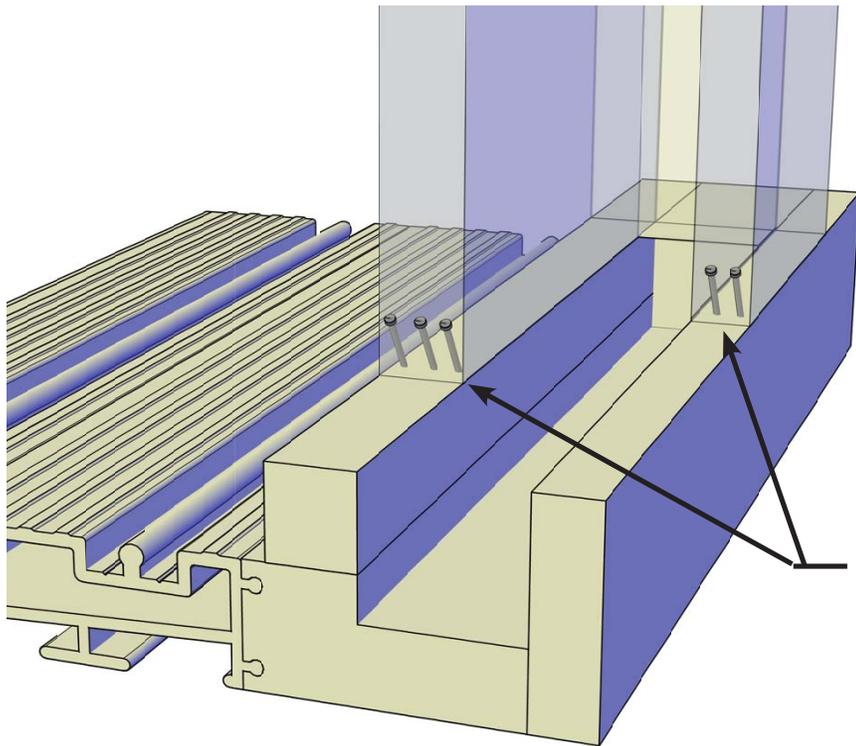


APPENDIX (A)

A: FASTENING SCREEN POCKETS ON POCKET SLIDERS



Video installing retractable screen.



Fasten Screen Pocket with the 1-5/8" screws provided to the sill and head jamb. The location will be marked on both.

1-5/8"
Screws



Screen Pocket



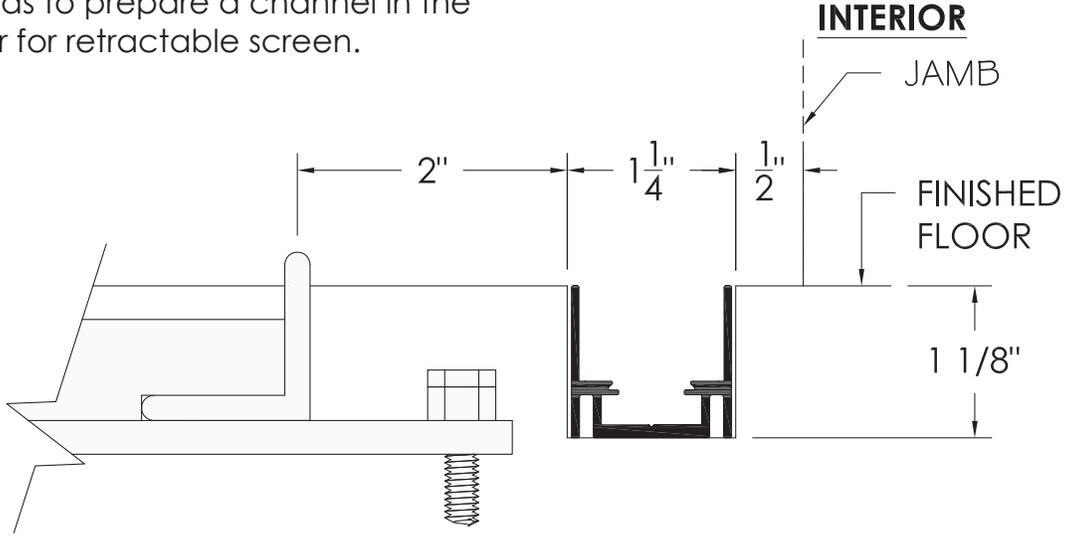
Screen Pocket
w/Pocket Stop Applied

Use 2" screws to attach Pocket Stop to the sill and head jamb.

APPENDIX (B)

B: RETRACTABLE SCREEN BOTTOM TRACK IN FINISHED FLOOR

Installer needs to prepare a channel in the finished floor for retractable screen.



C: SLIDING SCREEN INSTALLATION

INSTALLING SLIDING SCREENS: (FROM EXTERIOR) Lift the screen up into the exterior top channel and set the wheels on the exterior track. Make sure the wheels are centered on the track. Test slide the screen.

If bi-parting screens, repeat installation on the opposite side. Bring the screens together and locate the position of the screen latch (shipped loose) and fasten with the screw provided.



D: WEEP HOLE COVERS (FOR ALUMINUM SILL ONLY)

Extra Weep Hole Covers will be shipped loose in a plastic bag. These should be kept in case replacement of covers is necessary.

Find the prefabricated holes at the front of the sill and firmly insert weep hole cover until it snaps in place.

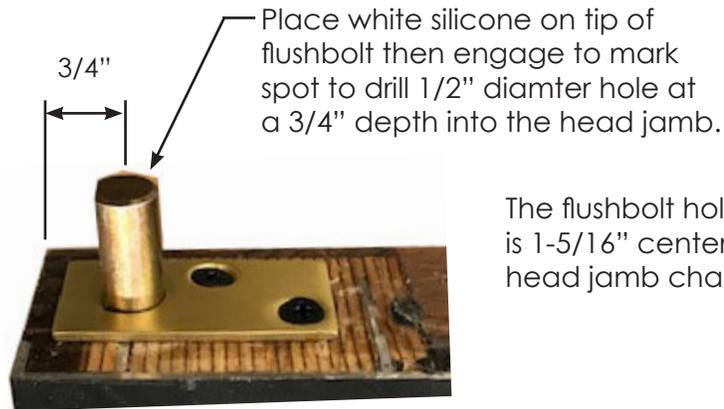


**Weep Holes must be kept clear of debris to insure proper drainage of sill.
Blocked Weep Holes will cause damage to the doors.**

APPENDIX (C)

Units over 8'-0" tall.

Flushbolt on top of Secondary Door #2.



Flushbolt lever located top back edge of secondary door.

