

FRAME INSTALLATION - SLIDING GLASS DOORS

Preliminary to installation

- A- Open frame package, and inspect all components against parts list for count and accuracy.
- B- Measure the length of track and headers, they should be the same length, and equal to unit width.
- C- Check buck opening width, and height in at least three places. Buck width should equal unit width + 1/2". Buck height should equal unit height + 3/4". See figures # 1 and 2.
- D- Inspect wood bucks to ensure they are back-bedded to masonry.
- E- Jamb bucks must terminate 1/2" above floor level. No part of the jamb buck can extend down into floor depression. See fig. #1.
- F- Bucks must be securely anchored to masonry, and attachment must comply with building code.
- G- Floor depression (recess) must be at least 1 1/2" deep, and free of obstructions.
- H- If second floor installation, and or wood frame installation on ground floor, a sill pan must be provided. See paragraph #12.

INSTALLATION PROCEDURES

- 1- Assemble both jambs to header, and track using S.M.S.per product approval. Narrow screen jambs must face exterior. Narrow space between header fin, and fascia fin must face interior. Fig.#4
- 2- Seal front and backside of jamb to track, and upstanding track riser using seam sealer or A.A.M.A. approved caulk. If acceptable to customer, it is highly recommended to seal front side of jamb to track as well.
- 3- Lay a bed of premixed wet non-shrink cement into depression. Move cement side-to-side, and back to front. Push cement against vertical back of depression. Leave space at both ends of track which will later be filled with A.A.M.A.approved caulk. Fill all honeycomb brackouts, and trowel from lowest point until bed is level, and approximately 3/4" deep. A quick set concrete accelerator is suggested to promote a speedy set up. If not used, allow at least 1-1/2 hours time lapse before attempting to anchor track.
- 4 Stand frame up in opening, and lower frame down until track is laying in wet cement. Move frame latterly to create equal space between both jambs and bucks. Center frame on bucks. Any space between track riser and wall of floor depression is to be filled by others. Fig#3 Note: Top of door track riser must not extend more than 3/4" above rough floor surface.
- 5- Place level on track, and using mallet, tap track down evenly until track sinks approximately 1/4" into wet cement. Trowel off excess. A 1/4" space will now exist between the header and header buck. A space in excess to 1/4" will not comply with code. See Fig. #4
- 6- Recheck sill for level condition. Plumb jambs. Check width and height in at least three places. Use "story pole" (1"x2" aluminum tube cut to jamb height) to gauge proper unit height along entire width of unit.
- 7- Place shims between buck, jamb and header at all anchoring points. Anchor with flat head concrete screws, passing through coined holes in frame, through buck and 1 1/4" deep into masonry.
- 8- Cut 3/8" groove at nose of track. Groove will be filled (by others) at the perimeter caulking stage.
- 9- Seal all fastener heads, and any small manufacturing holes in jambs.
- 10- Install header and track pressure sensitive weather pads at centerline of interlocks, and at center of opening on OXXO units.
- 11- Prior to stucco application, it is strongly recommended to spray a low expansion foam into all cavities existing between the door frame, bucks and masonry. A polyurethane or approved equal material is suggested. This procedure will provide long lasting benefit i.e.; (this application is not by door installer)
 - A - Reduce noise transmission
 - B- Provide additional solid support of frame
 - C - Reduces possibility of water or moisture penetration
 - D - Reduces air movement
- 12 - Sill Pans (flashing) must be provided for all wood frame installation, and or second floor masonry construction when a conventional floor depression does not exist. Refer to sill panel detail Fig 5 below for proper fabrication.

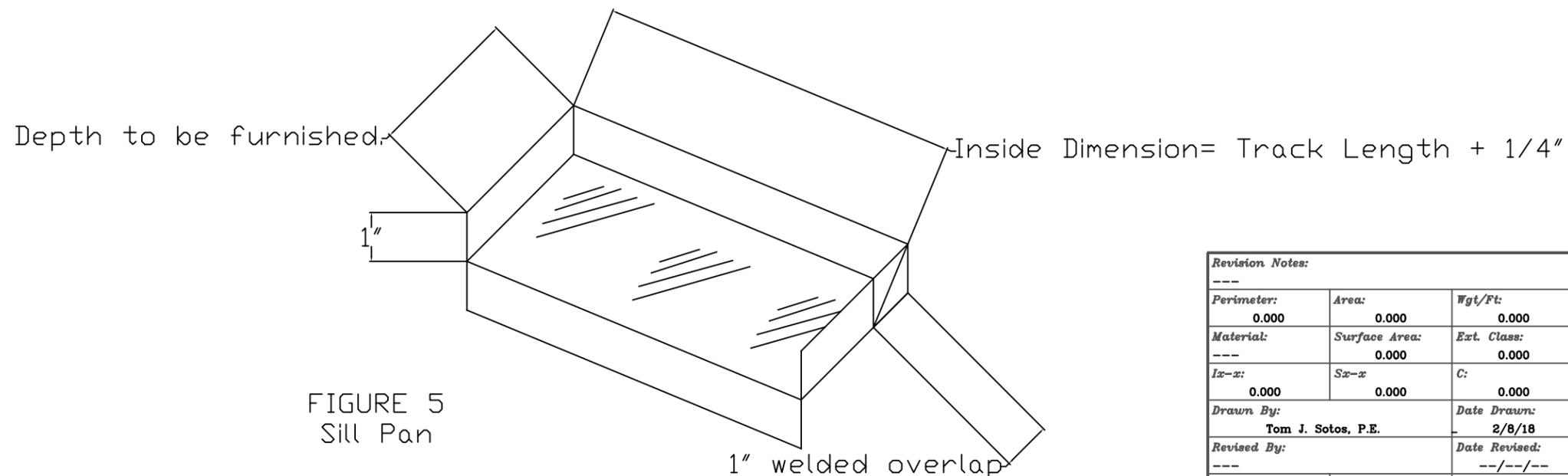


FIGURE 5
Sill Pan

Revision Notes: ---			 Assura Windows & Doors, LLC 1543 N. Powerline Road Pompano Beach, Fl. 33069 Tel. (305) 887-2646	FRAME INSTALLATION SLIDING GLASS DOORS		
Perimeter: 0.000	Area: 0.000	Wgt/Ft: 0.000				
Material: ---	Surface Area: 0.000	Ext. Class: 0.000				
Ix-x: 0.000	Sx-x: 0.000	C: 0.000				
Drawn By: Tom J. Sotos, P.E.			Date Drawn: 2/8/18			
Revised By: ---			Date Revised: --/--/--			
Factor: 000	CCD: 0.000	Scale: NS	Part Number: ---	Drawing Number: ---	Revision Level: ---	

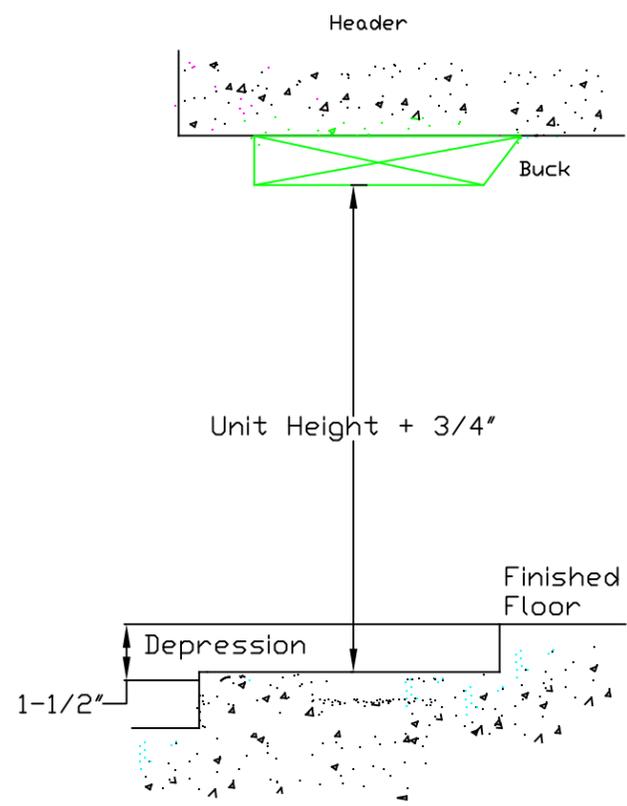


FIGURE 1
Elevation
View

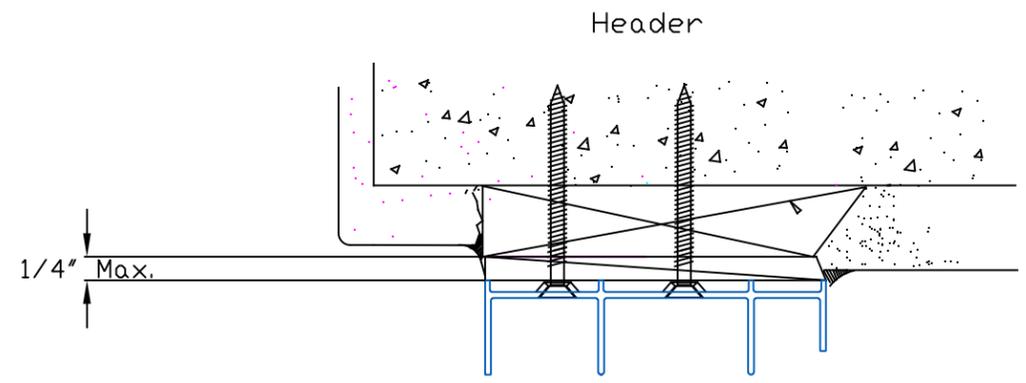


FIGURE 3
Elevation
View

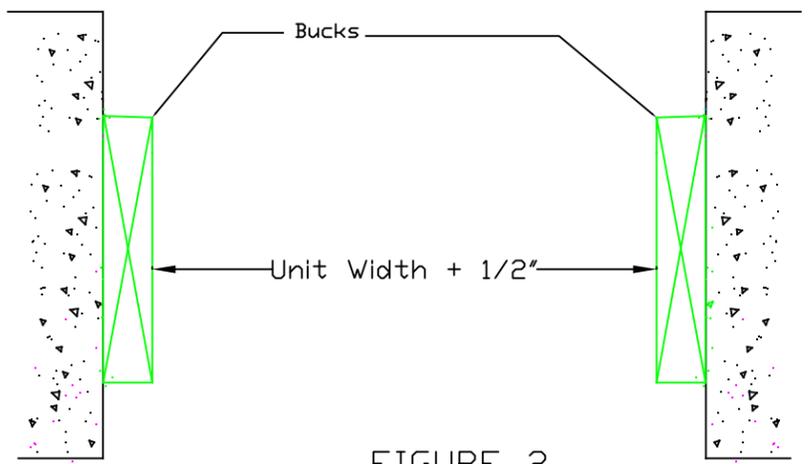


FIGURE 2
Plan
View

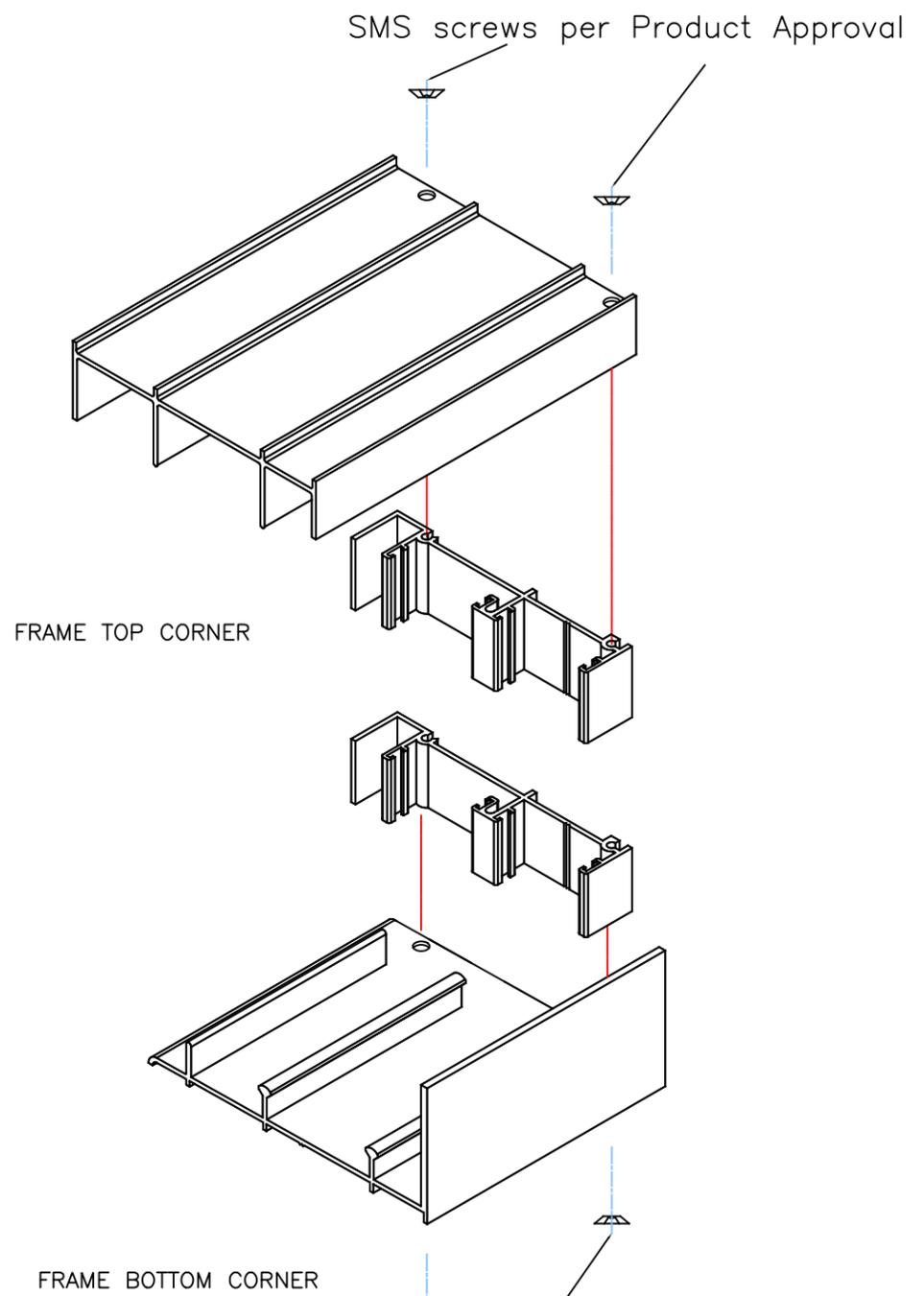


FIGURE 4

Revision Notes:		
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PANEL INSTALLATION

- A - Clean door tracks of all sand, dirt and debris.
- B - If tracks have not been previously anchored, do so at this time. Before insertion of tapcon into all coined frame installation holes, fill holes with caulk. Take special care to run tap-cons fully home. Heads of tap-cons must be flush with flat of track.
- C - Inspect all frame installation holes for presence of fasteners. Seam seal all naked tap-con heads in jambs, and tracks.
- D - Check joint of jambs to track for presence of seam sealer. Pay particular attention to upstanding track riser which must be in perfect contact with inside leg of jamb. Riser leg must be sealed to inside leg of jamb.

PANEL CONFIGURATION CODE

- XO or OX = One moving panel (X) and one fixed panel (O).
- OXO = Fixed, moving, fixed on two tracks.
- OXXO = Fixed, moving, moving, fixed on two tracks.

OX or XO

- 1 - Select locking panel which will be first paned to install on the inside track. Interlock hook must face to exterior.
- 2 - Raise panel up. Nylon guide in top of panel must straddle header's interior fin. See fig. #1
- 3 - While pushing panel up into top of header, swing bottom of panel to inside, and carefully lower panel so that roller in bottom rail sits on inside track runner. See fig.# 2
- 4 - Install fixed panel as in steps #1 and #2. Lower fixed panel so that boot in bottom rail sits on outside track runner.
- 5 - Raise each side of moving panel up to relieve panel's weight on track runner. remove nylon access hole plug in side of moving panel bottom rail. Insert phillips head screw driver into hole, and turn clockwise to raise, and counterclockwise to lower. Attempting to adjust roller without relieving weight of panel on runner may cause adjusting screw to strip threads in roller housing. Panel must roll smoothly, and be plumb when aligned with jamb. Fig. # 3.
- 6 - Adjust jamb keeper to allow for sure easy latching. Keeper can be raised or lowered by loosening both keeper screws. When satisfactorily adjusted, make final check for plumb alignment at jamb.

Should door not latch by adjusting keeper, take the following action:

- A - Turn slotted head screws in face of mortise lock which alters the throw of the latch bolt. See fig. # 6
- B - If latch continues to defy adjustment, revert back to adjusting panel height.
- C - Activate thumb turn to lock panel. See fig.# 4

- 7 - Place 4 jamb fixing clips (part #23) into fixed jamb pockets. Engage clips with backside of jamb pocket. Rotate clips until they lock into place. See fig. #5a
- 8 - Push fixed panel into pocket until it resists further movement. Secure clips to fixed stile using #10x5/8 sms.
- 9 - Open and close moving panel to test operation.
- 10- Refer to 9200 series retainer clip installation practice.

OXO and OXXO

The rules for installing XO will apply to OXO and OXXO. Additional panels i.e. female (astragal) panel must align with locking panel with clean even reveal. female panel is also adjustable and it may be necessary to also adjust panel to plumb with locking panel. See fig. # 7.

Minimal clearance exists between female stile at top and bottom and track riser. Check riser for any indication that it has been bent or deformed during construction, which will cause interference when moving panel. If riser position cannot be corrected, it may be necessary to trim the inside leg of female stile to allow panel to move freely.

- 11- Refer to N.O.A. and fixed retainer clip installation for proper placement of clips and fasteners.

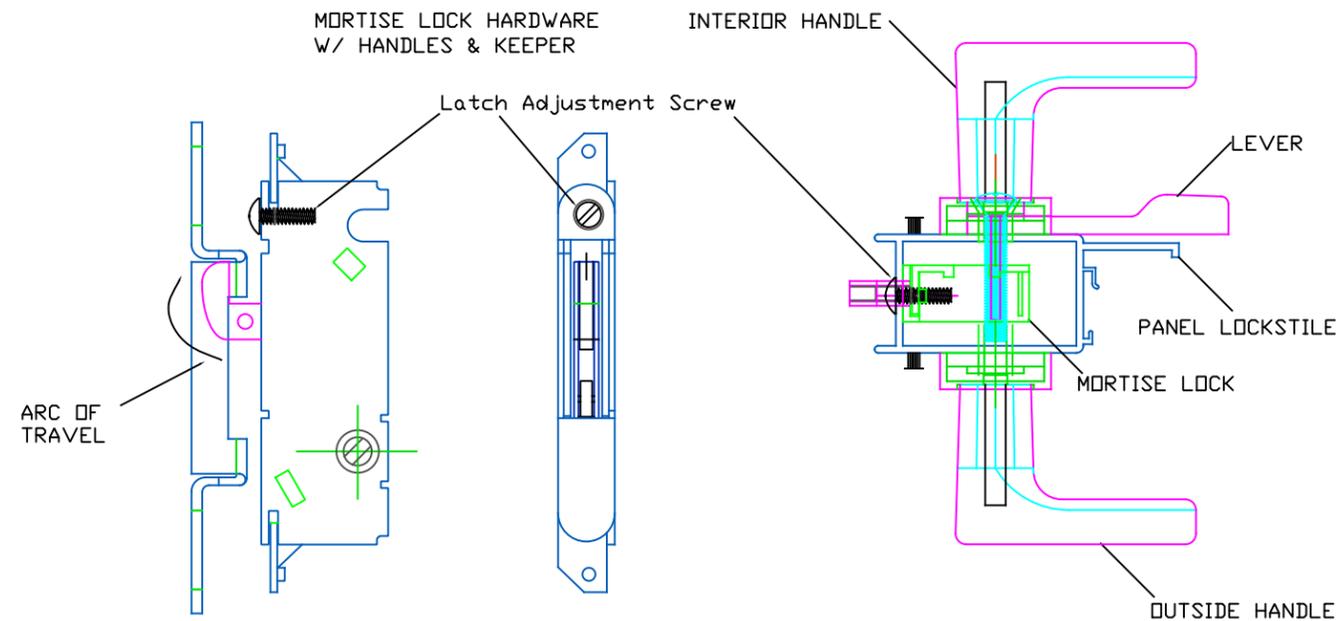


FIGURE 6

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<i>Drawn By:</i> Tom J. Sotos, P.E.		<i>Date Drawn:</i> 02/8/18	<i>Part Number:</i> ---
<i>Revised By:</i> ---		<i>Date Revised:</i> --/--/--	
<i>Factor:</i> 000	<i>CCD:</i> 0.000	<i>Scale:</i> NS	<i>Drawing Number:</i> ---
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Header

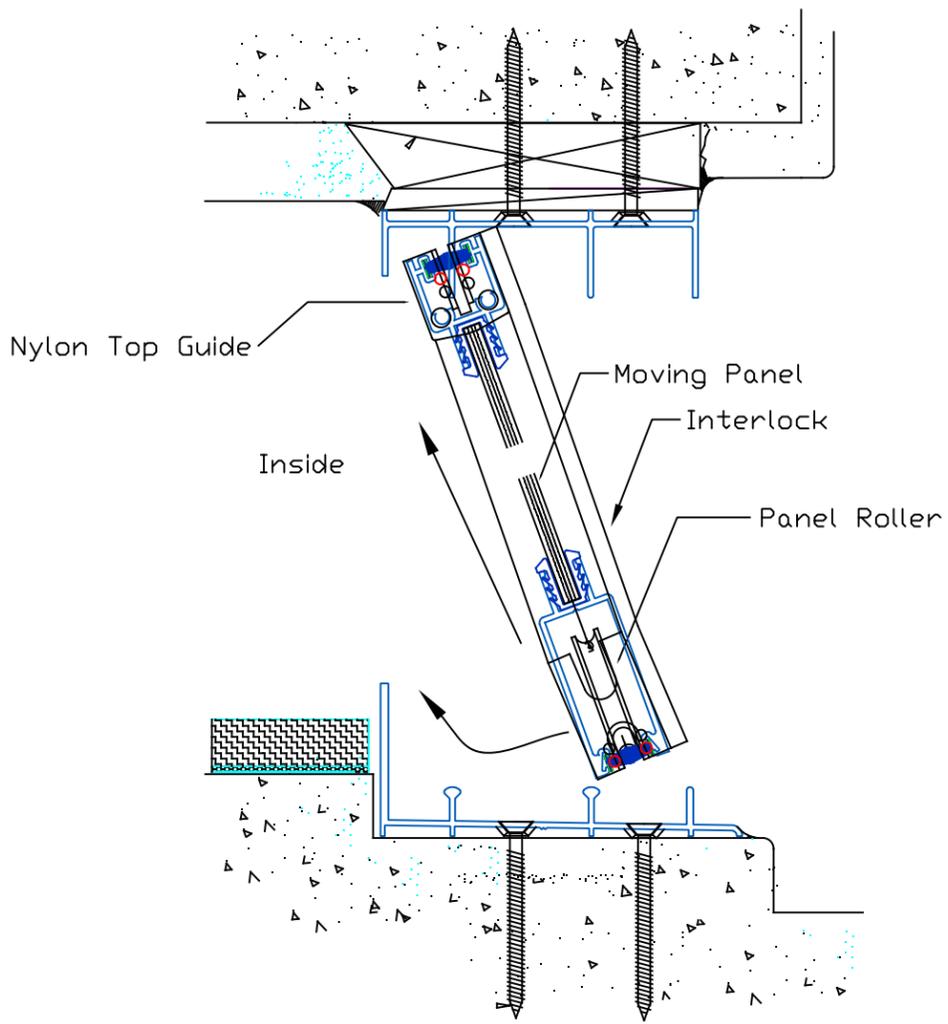


FIGURE 1

Header

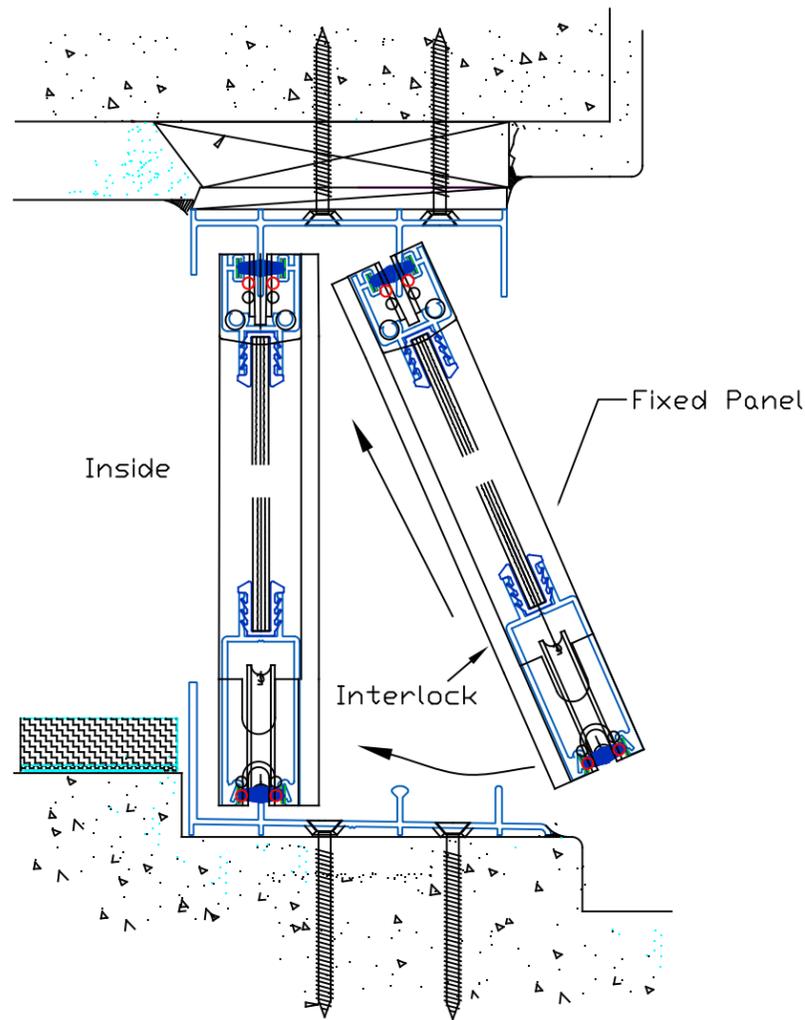


FIGURE 2

Header

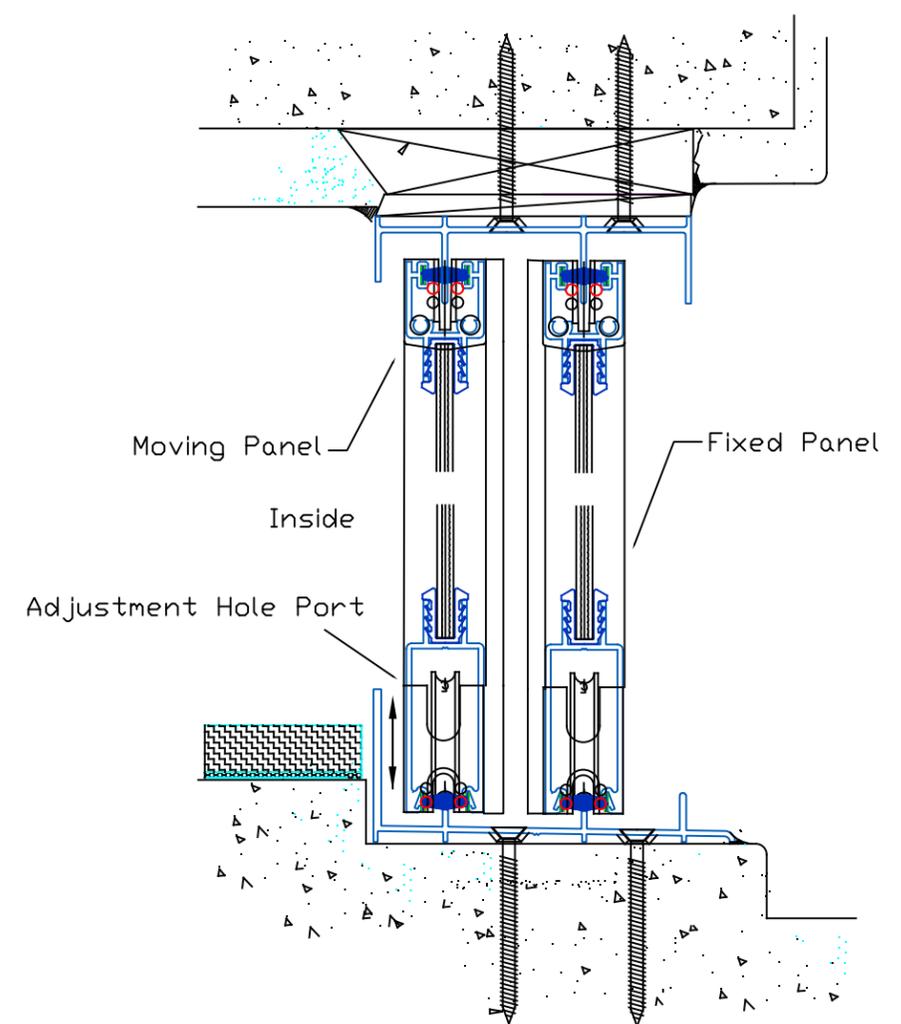


FIGURE 3

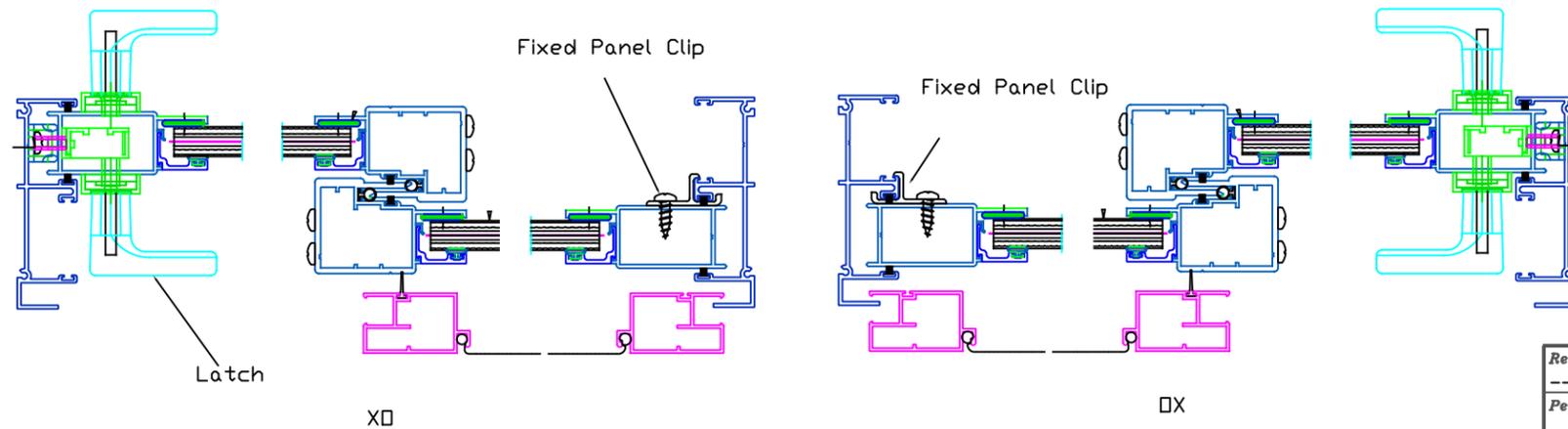


FIGURE 5 A and B

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