INSTALLATION INSTRUCTIONS

FHC 760 SERIES NARROW STILE MULTI-SLIDER

USE MONOLITHIC TEMPERED GLASS

OR

USE INSULATING TEMPERED GLASS

Glass is not included and will require fabrication. Detailed information inside.

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FRAMELESS HARDWARE COMPANY
THE GLAZING SUPPLY COMPANY

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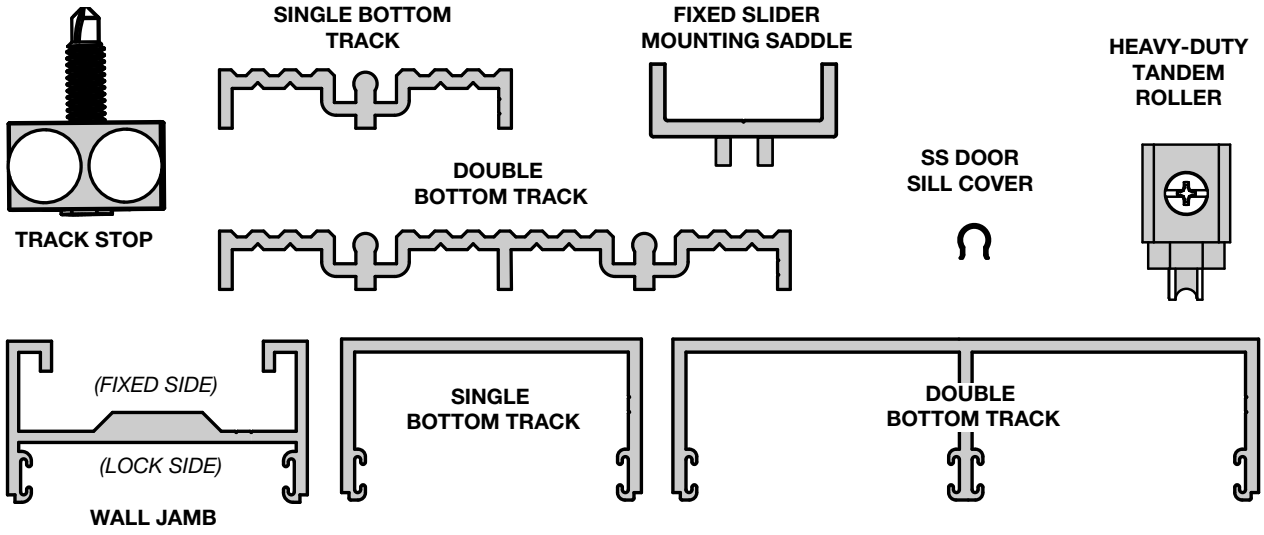
PARTS



GLASS PANEL SIZING

GLASS HEIGHT CALCULATION PER PANEL

The following information is provided to give the Installer a close approximation of the glass panel sizes. ALWAYS CONFIRM GLASS SIZE USING PROVIDED SHOP DRAWINGS. ***NOTE: CALCULATIONS INCLUDE 1/4" GAP AT HEAD AND JAMBS.*** (SEE FIGURE 1)

NOTE: Finished opening includes the 1/4" sealant gap at the head and jambs. Finished opening is the Daylight Opening (D.L.O.) before the 760 slider installation.

IMPORTANT: The customer should verify calculated glass panel sizes with the FHC shop drawings prior to ordering glass.

APPROXIMATE GLASS HEIGHT FORMULAS

FOR 1/4" GLASS (h) = FINISHED OPENING HEIGHT – 7-⅝"

FOR 1" GLASS (h) = FINISHED OPENING HEIGHT – 8-⅝"

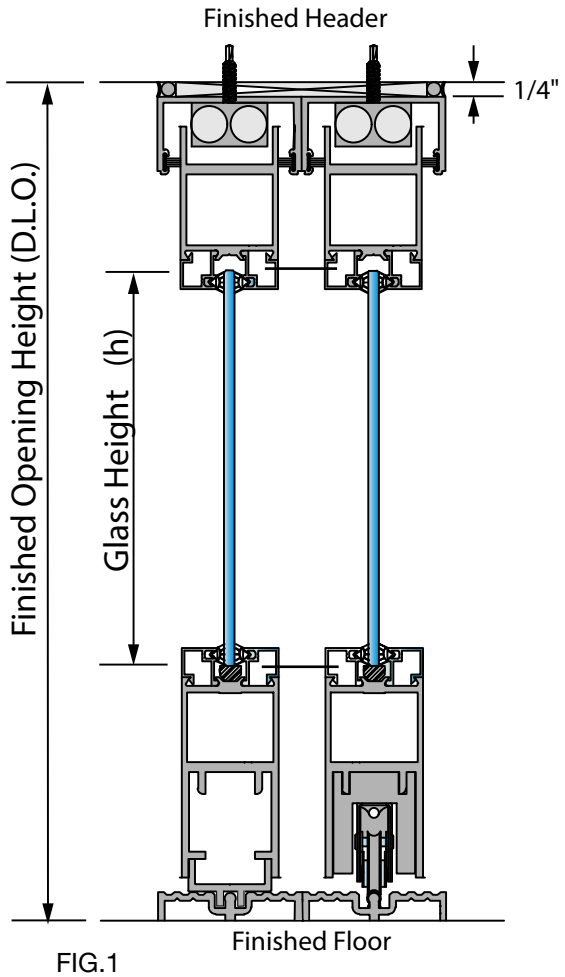


FIG.1

MAX GLASS HEIGHT IS 108"

FHC 760 MALL SLIDER CONFIGURATIONS

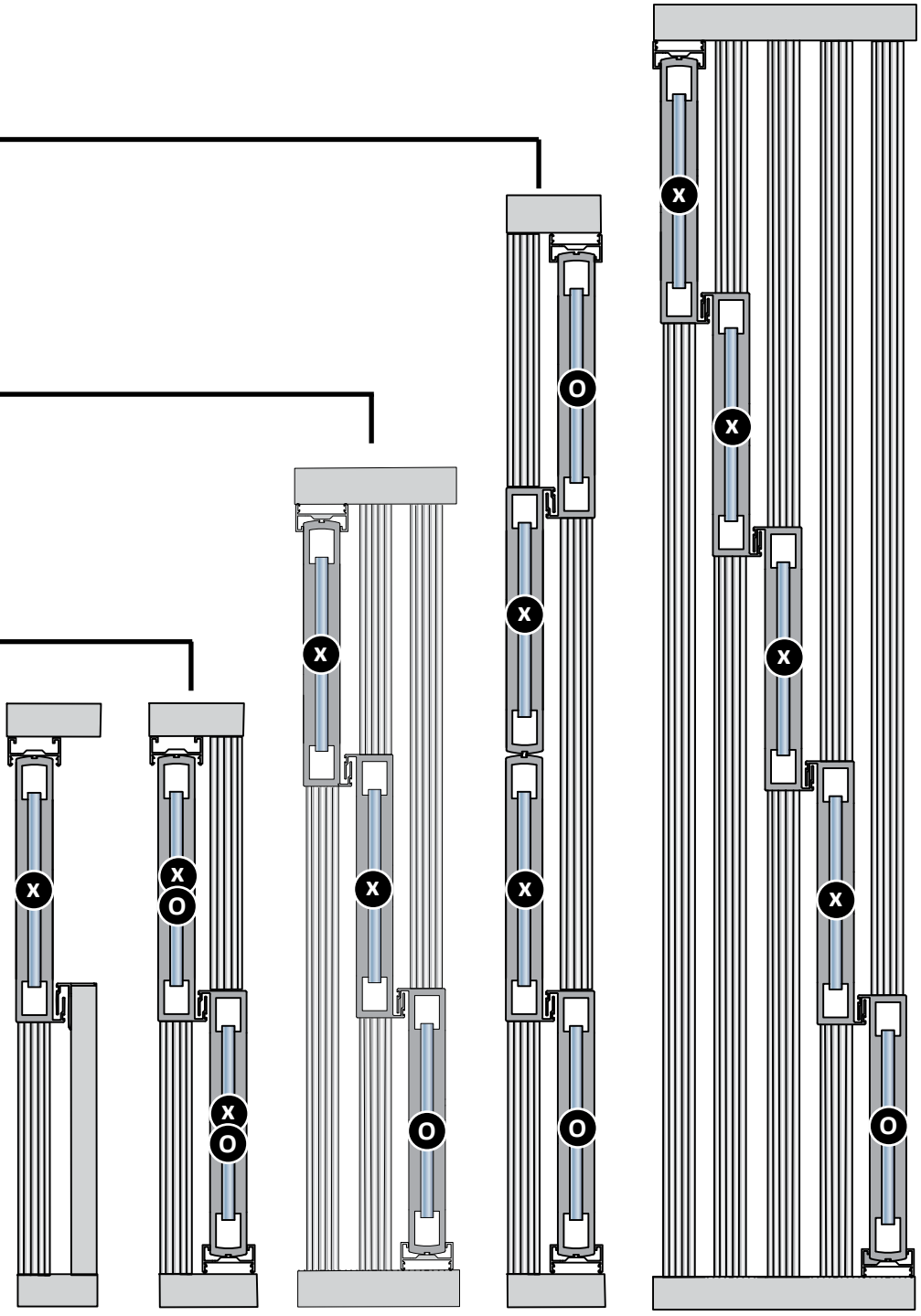
MS5
Multiple
5 Slider Slider

MS4
Multiple Track
4 Slider Slider

MS3
Multiple
3 Track Slider

MS2
Multiple
2 Track Slider

MS1
Single
Track Slider
(Pocket)



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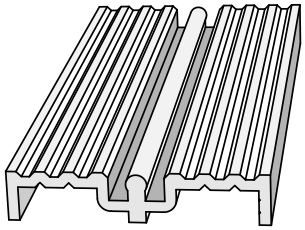
BOTTOM TRACK INSTALLATION

The 760 Mall Slider requires our heavy-duty, rail-cadded, track system designed to support the load of any one of our five MS configurations. Refer to your shop drawings for details regarding cut-lengths, special splicing, and track orientation for your job. NOTE: FHC strongly recommends a review of the job site floor and surrounding sub structures to assure that load capacities are not exceeded.

The 760 track system is available in single widths and may be combined to accomodate up to five-panel systems. The track should be level side-to-side and front-to-back after installation.

6777
FHC Single BottomTrack



TRACK DRILLING SCHEMATIC

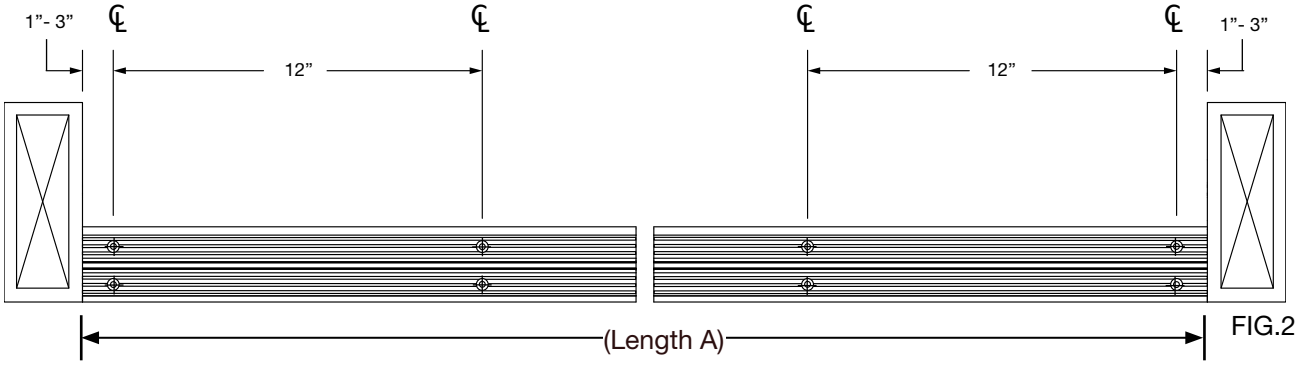


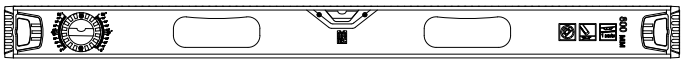
FIG.2

STEP 1: Measure and cut track profiles. (Length A)

STEP 2: Drill countersink holes to accommodate #10 flat head screws.

STEP 3: Set each track section in a bed of wet sealant and tool exposed edges.

STEP 4: Attach with fasteners to the floor substrate. Level with shims during fastening if required.



IMPORTANT: A level and rigid track is critical to the 760 Mall Slider operation. Correct all deflection and out-of-square conditions before proceeding.

THRESHOLDS
All 760 tracks can comply with ADA standards allowing a maximum height of 1/2" and maximum riser of 1/4" when used as a threshold. A 1:2 ratio ramp must be used, or flush-set with finished floor, for full accessibility compliance.

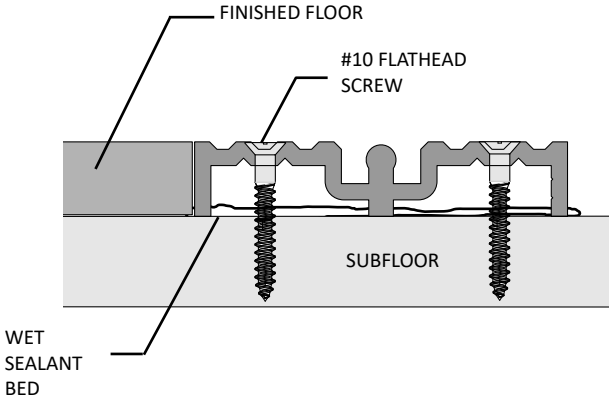


FIG.3

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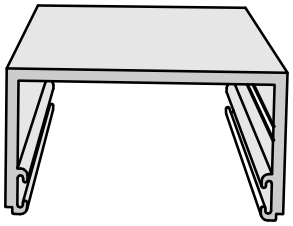
TOP TRACK INSTALLATION

The 760 Mall Slider top track is a single pocket guide track. Additional tracks may be added for multiple door systems as required. Each top track channel serves as a guide only and does not support a direct downward load. Therefore, mounting procedures should concentrate on lateral stability (front-to-back) Refer to your shop drawings for details regarding cut lengths, special splicing, and track orientation for your job.

6776
Slider Top Track



TOP TRACK DRILLING SCHEMATIC

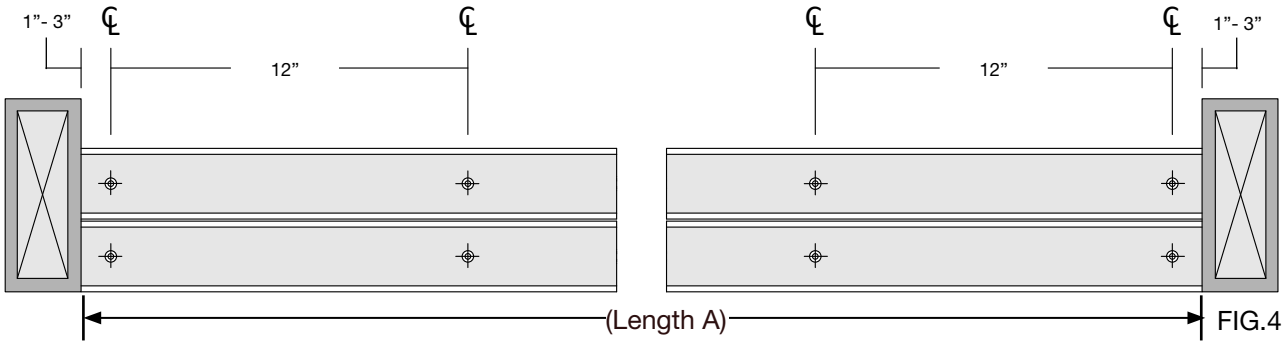


FIG.4

TOP TRACK MOUNTING

STEP 1: Measure and cut track profiles to fit between finished walls or jambs. (Length A)

STEP 2: Drill countersink holes to accommodate #10 flathead screws. Fasteners are by others and should be approved by a structural engineer.

STEP 3: Insert the brush seals in each channel before mounting.

STEP 4: Mount top track to ceiling support or header directly over the bottom track. A 1/4" gap is required for shimming and caulking. Locate all shims at screw points to minimize deflection.

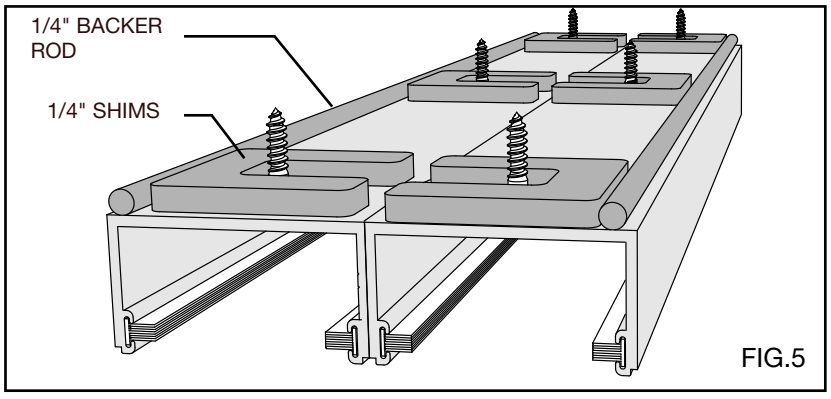


FIG.5

FIG.4
Top track with 1/4" shims and 1/4" backer rod. Select appropriate fasteners for surrounding substrate. Top track runs through to vertical walls and sits on top of jambs.

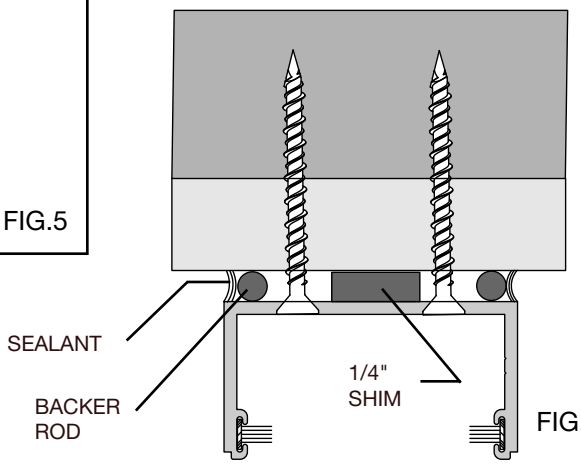


FIG.6

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JAMB INSTALLATION

The 760 Mall Slider single wall jambs are designed to either be used as a fixed slider jamb or an active door jamb. The function is dependent upon the orientation.

IMPORTANT: REFER TO THE SHOP DRAWINGS FOR THE CORRECT JAMB ORIENTATION. ACTIVE AND FIXED PANEL JAMBS DIFFER IN THEIR MOUNTING DIRECTION.

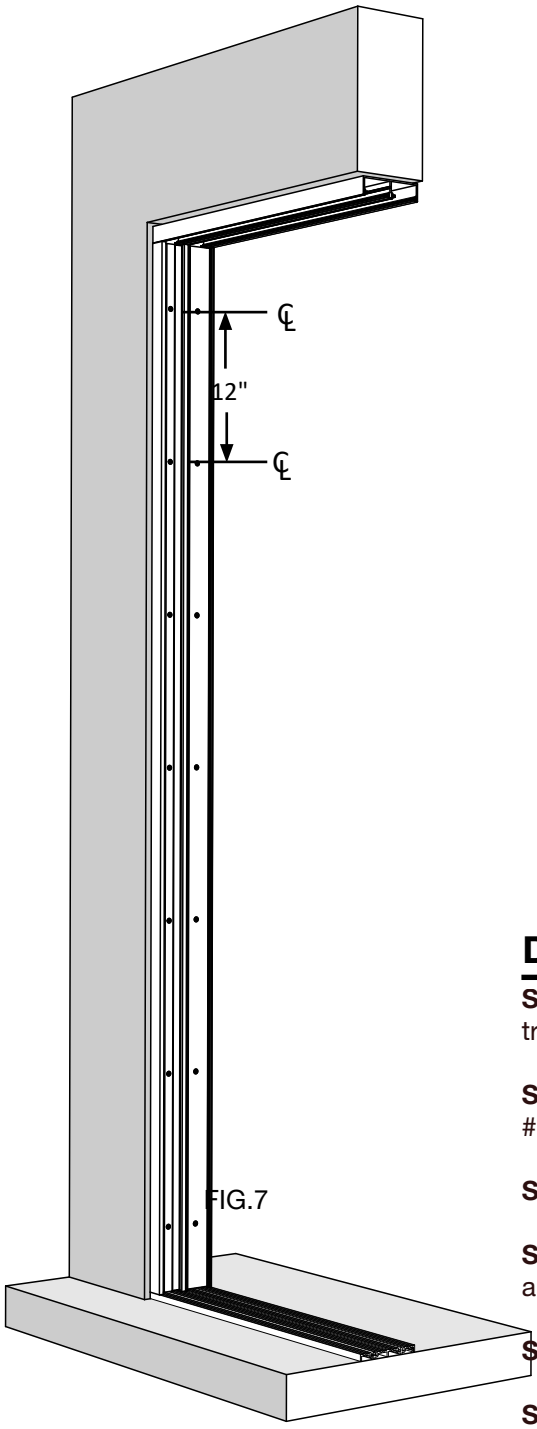


FIG.7

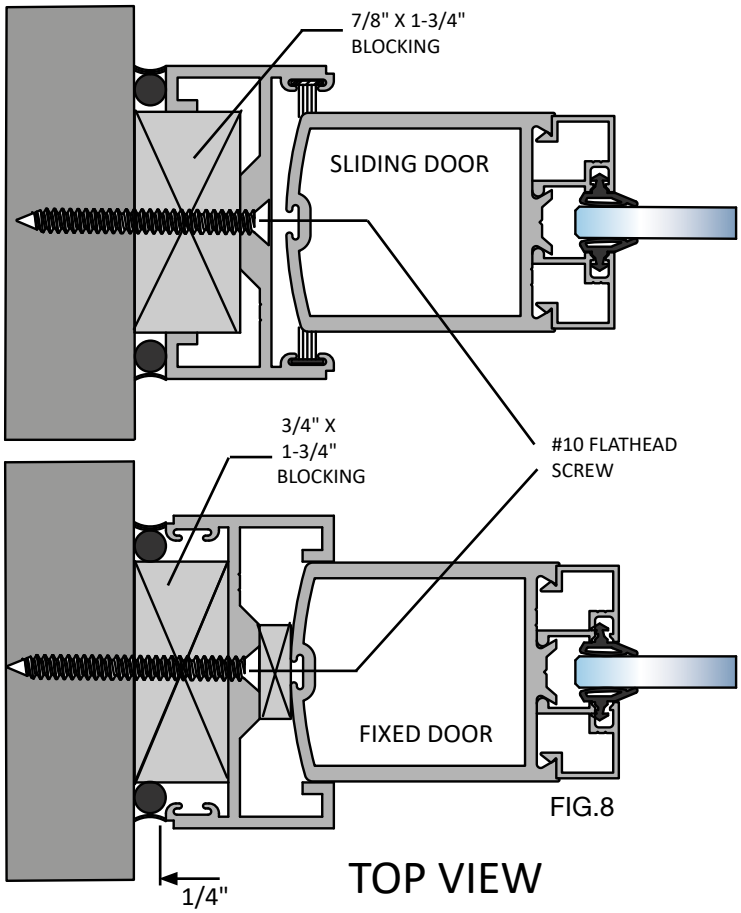


FIG.8

TOP VIEW

DOOR JAMB MOUNTING

STEP 1: Measure and cut jamb extrusions to fit between the top track and bottom track.

STEP 2: Drill 12" spaced countersink holes to accommodate #10 flathead screws. Fasteners are by supplied by installer.

STEP 3: Insert the brush seals in each channel before mounting.

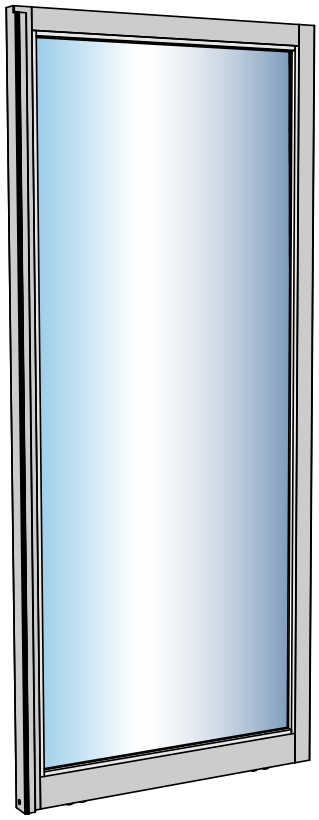
STEP 4: Place the exterior jamb channel first, over wood blocking and align to the top and bottom tracks.

STEP 5: Insert all #10 Fasteners for the first jamb.

STEP 6: Insert 1/4" backer rod and apply sealant to provide a weatherproof perimeter seal.

STEP 7: Run a bead of sealant down the interior edge of the first jamb and install the second jamb in the wet sealant. Repeat for all remaining jamb extrusions.

DOOR GLASS INSTALLATION



The 760 Mall Slider Doors are shipped fully fabricated to your order and include all required hardware except glass. The 760 slider doors are factory assembled for 1/4" or 1" glass. Verify the correct glass dimensions by referring to your shop drawings provided by FHC.

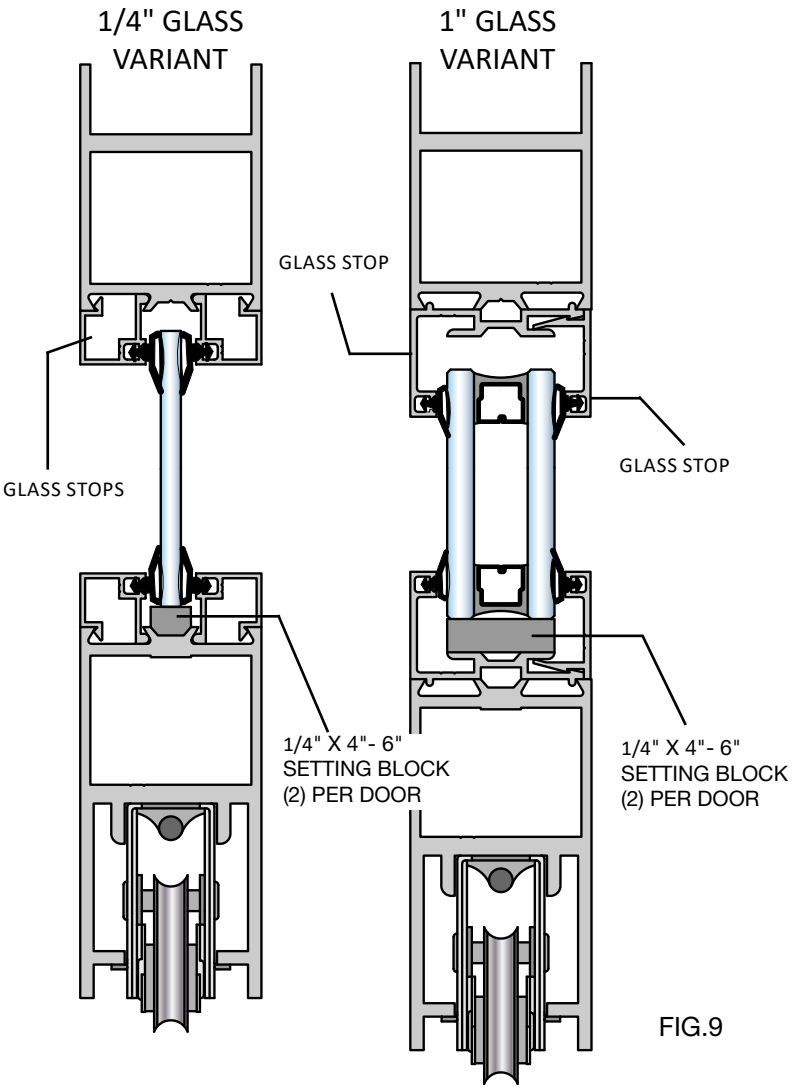


FIG.9

STEP 1: For the 1/4" frame, locate the packaged glass stops, unwrap, and separate. Install the long stops first, top to bottom, and then the short stops between.

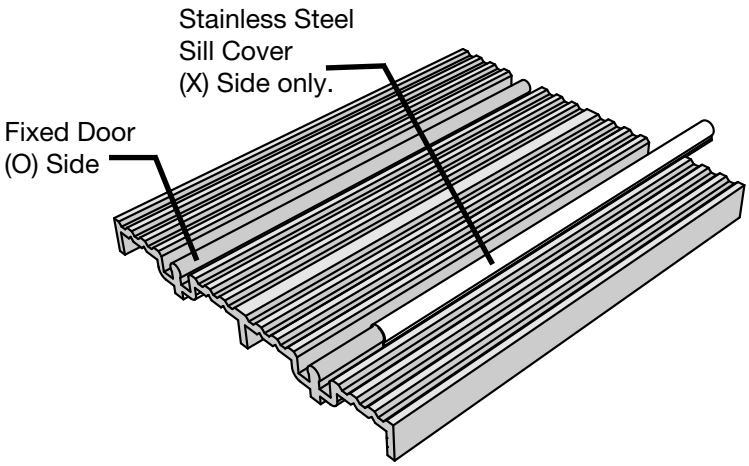
STEP 2: Insert (2) setting blocks in the bottom glass pocket at quarter points.

STEP 3: Clean each glass panel to maximize the gasket seal and install into door frame. Center the panel in the opening.

STEP 4: Insert several shims up each vertical side between the glass and frame to snug the panel and prevent side shifting from hard closings.

STEP 5: Install the opposing glass stops lightly tapping with a rubber mallet. Stops will have an audible snap when properly installed.

FIXED DOOR BOTTOM TRACK INSTALLATION



A replaceable stainless steel sill cover is FACTORY INSTALLED on all sliding (X) bottom threasholds designed to add extended life to the roller track.
A sill cover is only used on an (X) floor track to support the door rollers.

INSTALL FIXED DOOR MOUNTING BASE

FIXED SLIDER
MOUNTING SADDLE

STEP 1: Cut the fixed door mounting base 2" shorter than the bottom door rail of the fixed door frame. The fixed door will not have rollers attached to the bottom.

STEP 2: Drill countersink holes for #10 Flathead Screws 6"- 8" apart.

STEP 3: Install mounting base centering over the domed rail of the bottom track and centered in the space to be occupied by the fixed door.

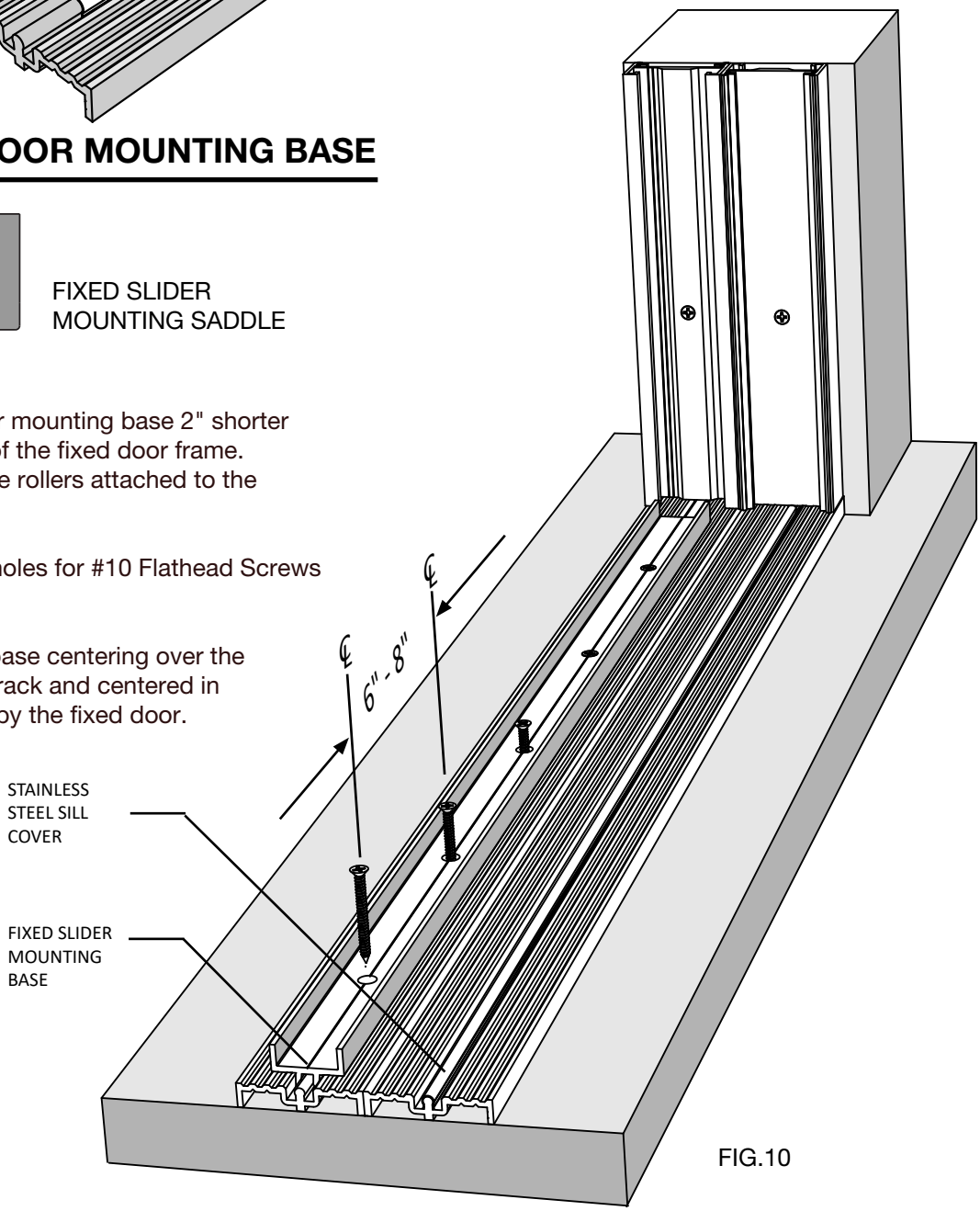


FIG.10

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PANEL INSTALLATION

The order in which each panel is installed is determined by the access available on either side. Sliding panels are usually installed first because they can be moved to provide room for subsequent panels. Fixed panels are usually installed last. Refer to your shop drawings for additional information.

PRE-INSTALL PANEL PREPARATION

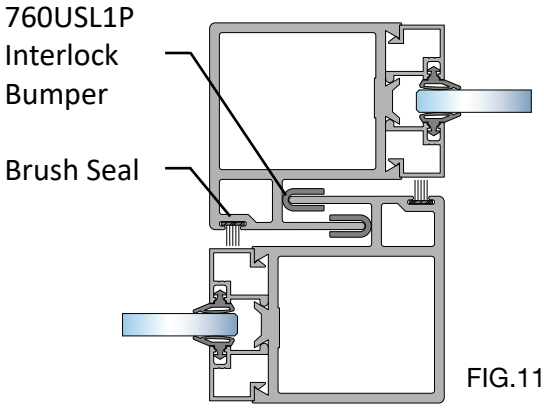


FIG.11

STEP 1: Install 760USL1P Bumper Channel on all interlock vertical fins and dust brush seals prior to installing doors.

STEP 2: Raise all bottom rollers to the maximum for extra clearance during install.

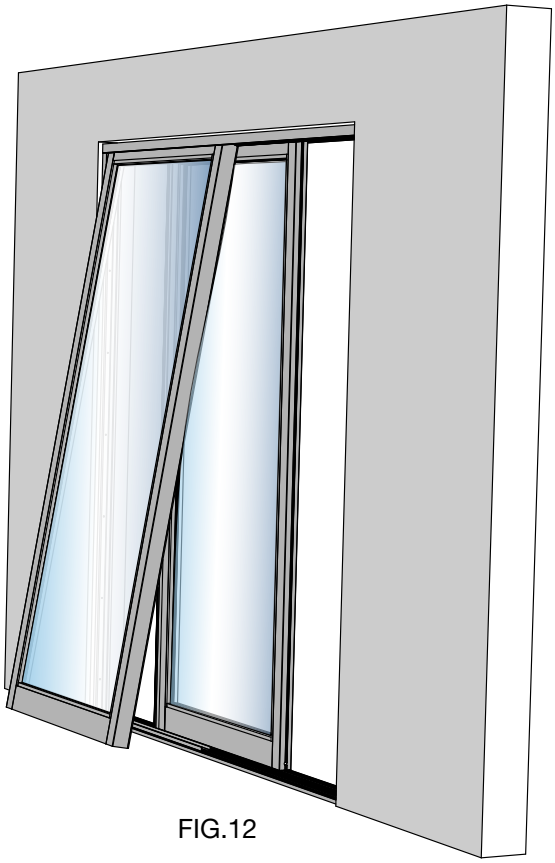


FIG.12

INSTALLING PANELS

STEP 1: Remove all debris from bottom track.

STEP 2: Install each panel by inserting the top rail into top track first, lifting up to clear bottom track obstacles, and lowering panel to align rollers to rail or fixed panel to mounting base.

STEP 3: On the sliding panels, lower rollers until they roll without binding.

STEP 4: Fixed panels should be placed over the mounting base extrusion installed on page 9.

PANEL HEIGHT ADJUSTMENT

Adjust the roller heights with a phillips head screwdriver on the sliding panels so the sight lines match the fixed panels. Fixed panels are not adjustable.

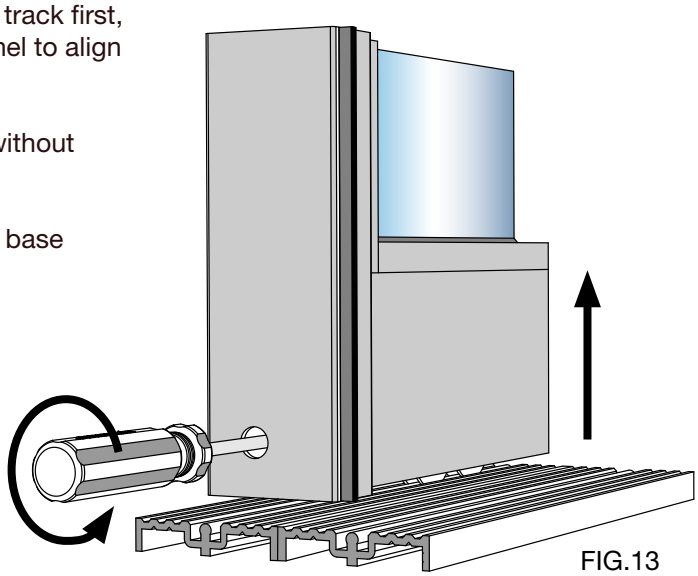


FIG.13

INSTALLING POCKET DOORS

FHC 760 Mall Slider is available in a pocket door configuration. Generally, pockets are built into the door framing and covered on the exterior or interior, or both, with drywall or other wall building material. The purpose of the pocket door is to hide or protect the slider when it is in the open position.

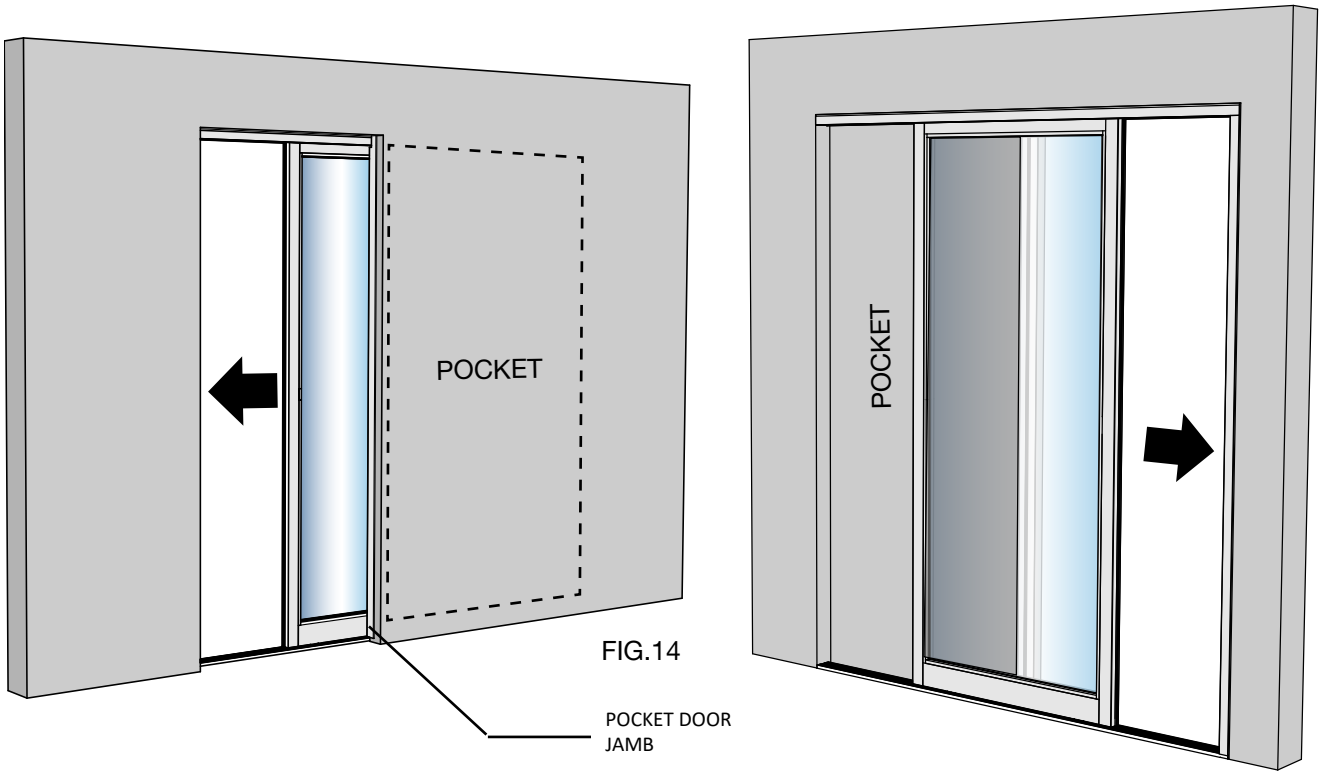
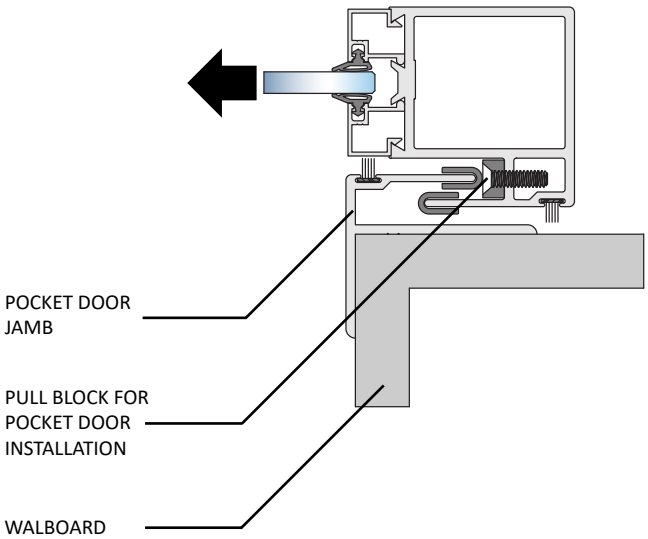


FIG.14

POCKET DOOR DESIGN

FHC 760 Mall Slider pocket door systems may be configured in several ways using one single slider or two with mating stiles. Refer to your FHC shop drawings for details regarding the specific layout and dimensions used in the manufacture of your 760 system.



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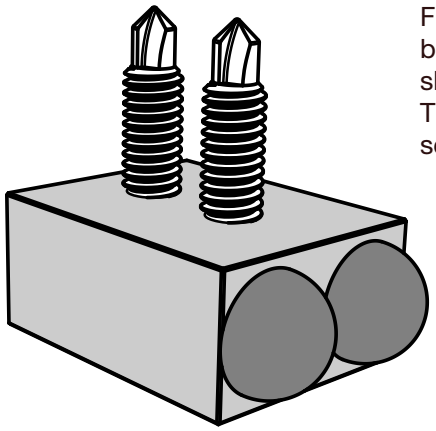
INSTALLING TRACK STOPS



FHC 760 Mall Slider uses track stops to limit sliding door travel. Dual rubber bumpers absorb the energy from abrupt door stops and minimize glass shifting.
The track stop is fastened to the top track with (2) external hex head drilling screws requiring a 3/8" hex socket driver.

SLIDING DOOR TRACK STOPS

Sliding door track stops are installed to protect walls from moving sliding panels. Usually placed in top tracks where there are no wall jambs. Stops are mounted 1/4" away from wall and centered in the top track.

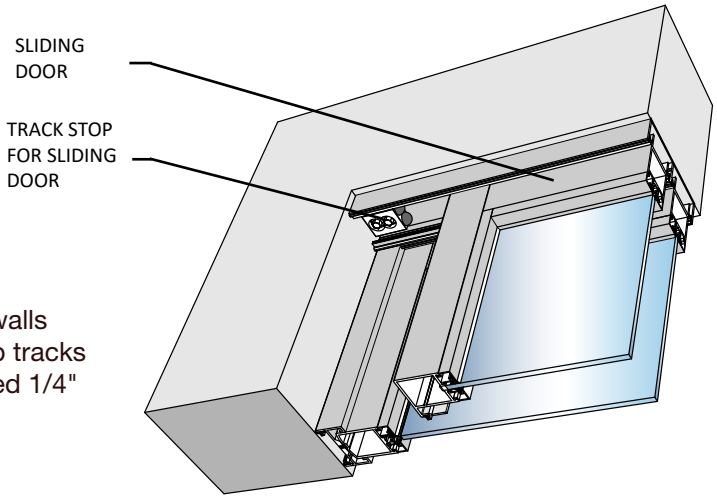


FIG.15

FIXED DOOR TRACK STOPS

With the fixed door in full closed position, the track stop is placed against the top of the door stile to prevent any movement. The combination of the mounting base at the bottom track and the top mounted track stop, firmly secures the fixed doors.

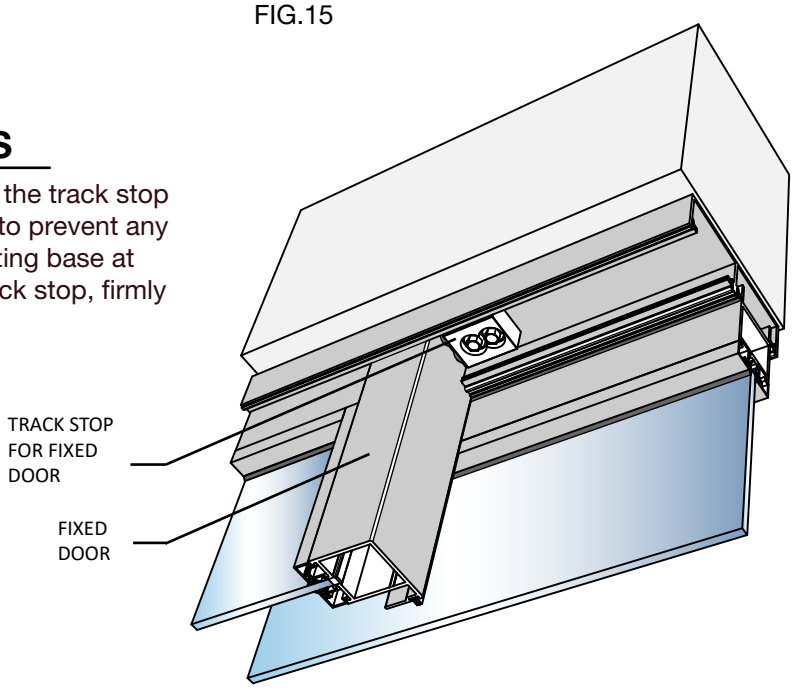


FIG.16