

BOTTOM ROLLING HERC-SLIDING DOOR™ RAIL SYSTEM

MODEL BRS200



HERC-DOOR™

U.S. Patent No. 11,060,341 Other Patents Pending



USE
MONOLITHIC
TEMPERED
GLASS

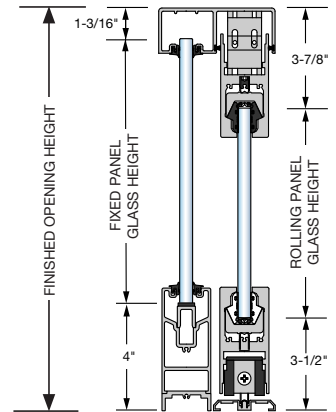


USE
LAMINATED
TEMPERED
GLASS

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

GLASS PANEL SIZING

The following information is provided to give the Installer a close approximation of the Glass Panel Sizes for HERC-SLIDING DOOR® Rail System based on each particular configuration. Confirm the exact glass sizes required with FHC or by referring to the Shop Drawings.



APPROXIMATE GLASS HEIGHT FORMULA

MAX HEIGHT 108"

ROLLING PANEL GLASS HEIGHT = (FINISHED OPENING HEIGHT) - (7-3/8")

FIXED PANEL GLASS HEIGHT = (FINISHED OPENING HEIGHT) - (5-3/16")

APPROXIMATE GLASS WIDTH FORMULAS

MAX WIDTH 60" ① ROLLING PANEL ② FIXED PANEL

GLASS WIDTH ① = (FINISHED OPENING WIDTH ÷ 2) + 2"

GLASS WIDTH ① = (FINISHED OPENING WIDTH ÷ 2) + 2"
GLASS WIDTH ② = (FINISHED OPENING WIDTH ÷ 2) + 2"

② = (FINISHED OPENING WIDTH ÷ 2) + 2"

① = (FINISHED OPENING WIDTH ÷ 3) + 4"
② = (FINISHED OPENING WIDTH ÷ 3) + 2"

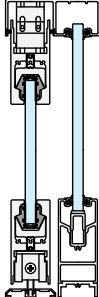
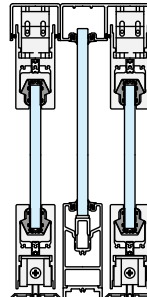
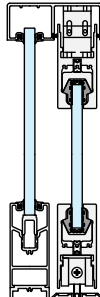
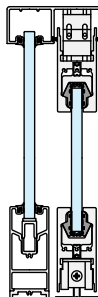
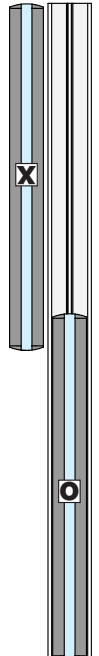
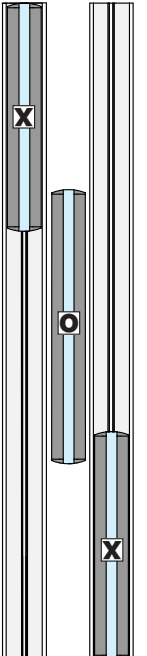
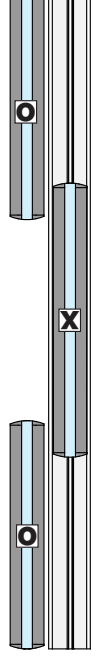
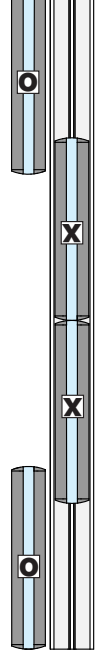
① = (FINISHED OPENING WIDTH ÷ 4) + 2"
② = (FINISHED OPENING WIDTH ÷ 4) + 2"

SYSTEM SPECIFICATIONS

Finish: BS, PS, SA, DU, MB, SB, PB, ORB, Powder Coat, and KYNAR
 Glass: (Not Supplied) 3/8" or 1/2" Monolithic / 9/16" Rigid Interlayer Laminate
 Max Glass Size and Weight: 60" Width x 108" Height, 400 lbs.



BRS SYSTEM CONFIGURATIONS

SYSTEM TYPE	-XO- BYPASS	-XOX- BYPASS	-OXO- BYPASS	-OXXO- BI-PART
SQUARE PART NUMBER	BRH4S11XXC*	BRH4S21XXC*	BRH4S12XXC*	BRH4S22XXC*
TAPARED PART NUMBER	BRH4T11XXC*	BRH4T21XXC*	BRH4T12XXC*	BRH4T22XXC*
NUMBER OF PANELS	2	3	3	4
END VIEW				
TOP VIEW				

Finishes are indicated by a letter code below where the **XX** in each part number.

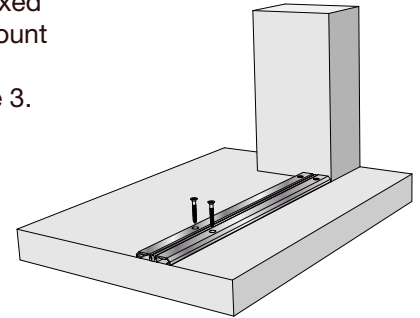
- BS - Brushed Stainless
- PS - Polished Stainless
- SA - Satin Anodized
- DU - Dk. Bronze Anodized
- MB - Matte Black (Powder Coat)
- SB - Satin Brass
- PB - Polished Brass
- ORB - Oil Rubbed Bronze
- KN - KYNAR Paint
- PT - Powder Coat Finish



BOTTOM ROLLING TRACK INSTALLATION

The BRS200 HERC-SLIDING DOOR® SYSTEM is designed to be used with fixed panel configurations. The Rolling Track is installed prior to the Fixed Panel mount covered later in this manual.

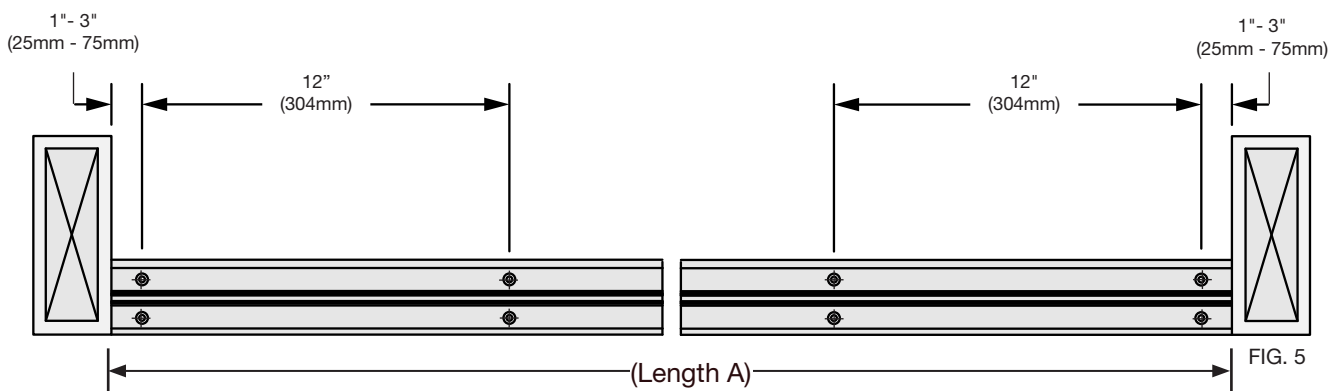
This manual will illustrate the installation of the **XO Bypass** system from page 3. The the remaining configurations follow the same installation guidelines.



BOTTOM TRACK PREPARATION

Refer to the FHC Shop Drawings provided with your order for detailed information and dimensions.

Determine the specific layout for the BRS200 to be installed. The Track for the sliding panel(s) will be mounted in place first followed by the fixed panel(s).



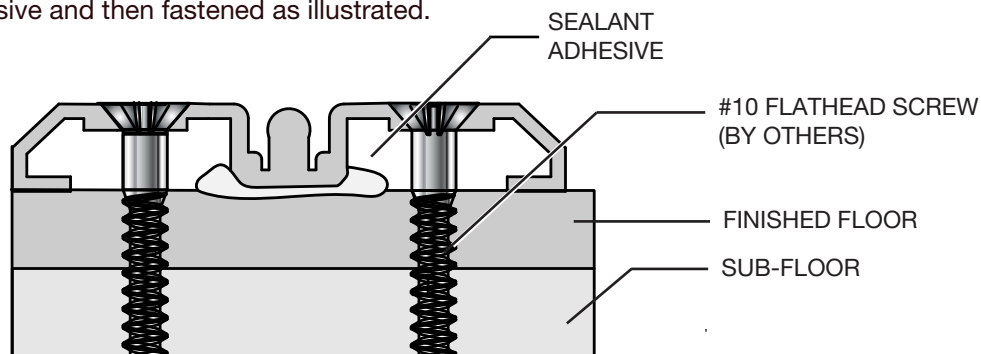
STEP 1: Measure and cut track profiles to fit between finished walls or jambs. (Length A)

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

STEP 3: Locate the desired setback for your job and attach the track profiles as illustrated below.

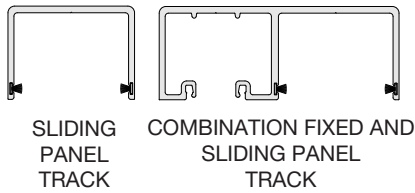
BOTTOM TRACK MOUNTING

The installation site must be free of debris, flat, and level. When mounting to solid surfaces such as Tile, Engineered Flooring, or Finished Concrete, it is recommend that the track profiles be set into a bead of wet sealant/adhesive and then fastened as illustrated.

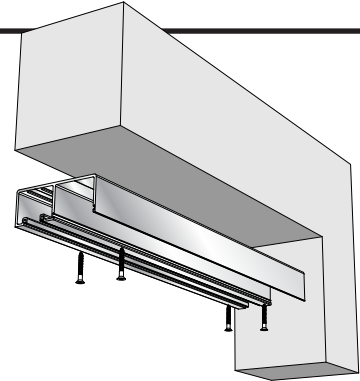


Floor Structure- The Finished Floor Surface and the supporting Sub-floor must be capable of supporting the BRS Sliding Door System. The design of the BRS200 system concentrates the load at the bottom track and not the Head Channel. Large, heavy glass panels may load the floor structure with several hundred pounds. Verify the load capacity of the floor with a Structural Engineer before installation.

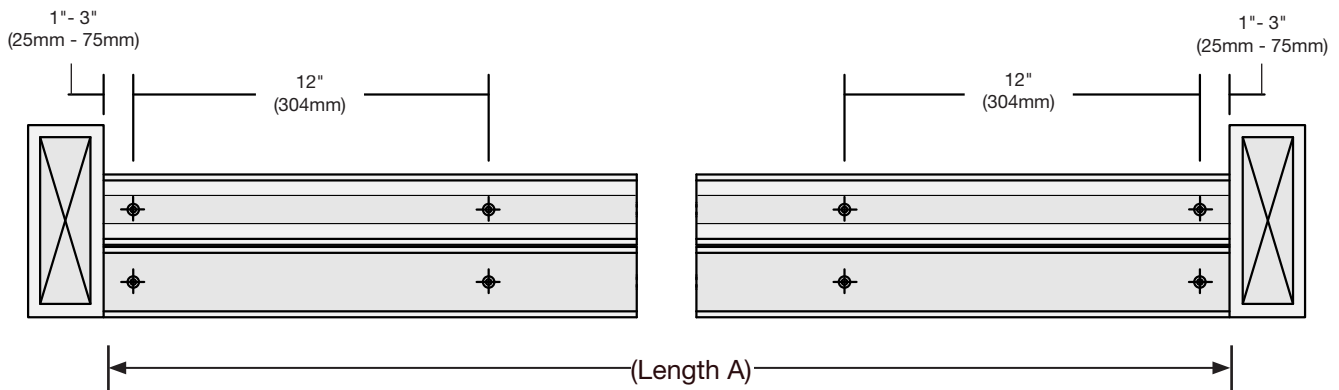
HEAD TRACK INSTALLATION



BRS200 HERC-SLIDING DOOR® Head Tracks are designed to be used as single or combination door systems.



HEAD TRACK PREPARATION



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

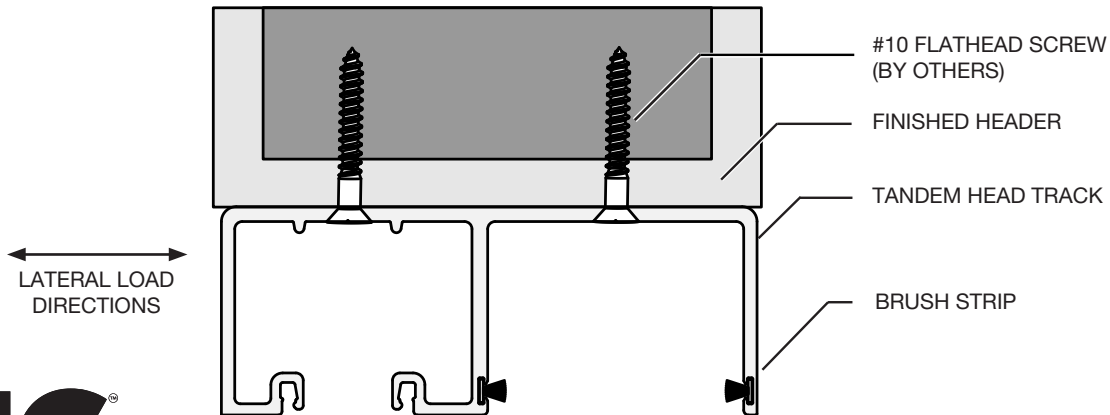
STEP 2: Drill countersink holes to accommodate #10 flathead screws. Fasteners are by others and should be approved by a Structural Engineer.

STEP 3: Locate the desired setback for your job and attach the track profiles as illustrated below.

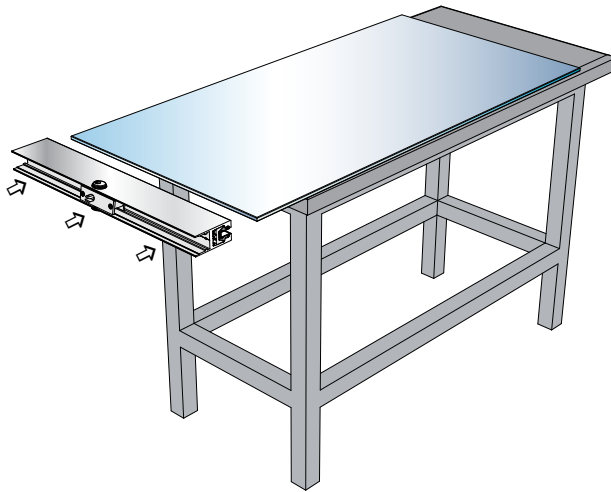
HEAD TRACK MOUNTING

Lateral Loading - The BRS200 Head Track must be mounted to a structurally sound finished Opening Header capable of supporting repeated lateral loads during operation.

The Load Capacity of the surrounding structure should be verified with a Structural Engineer before installation.

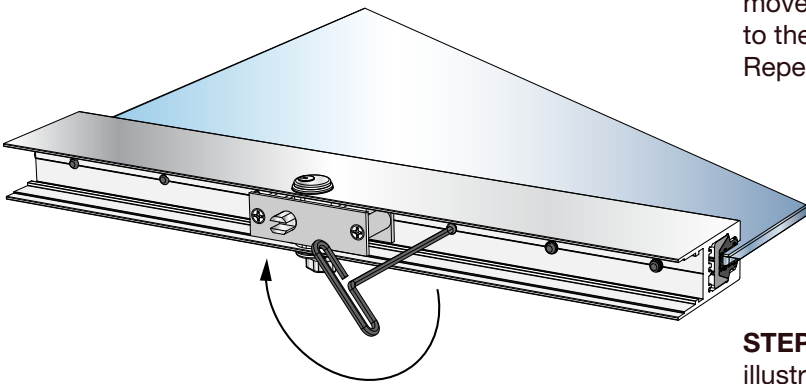


HERC-SLIDING DOOR® RAIL

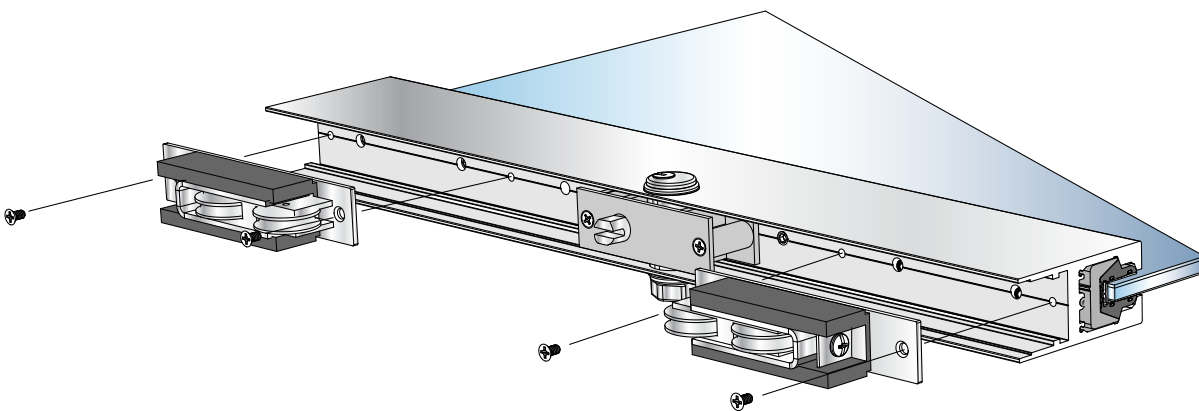


STEP 1: Slide the bottom HERC-DOOR® Rail over the end of the glass panel and snug against the edge. Center the rail side-to-side. NOTE: If the HERC-DOOR® Rail will not fit over the glass, loosen the set screws along the bottom to spread the clamp rails.

STEP 2: Starting from the center and working back-and-forth, use the 9mm T-handle hex wrench to lightly snug each 3/8" set screw until the glass is evenly clamped. Verify that the HERC-DOOR® Rail is parallel to the glass and adjust if necessary. Starting in the center again, torque each set screws until the T-handle begins to flex beyond the set screw movement. This will apply the proper clamping force to the rails assuring a safe glass panel attachment. Repeat steps 1 and 2 for the top HERC-DOOR® Rail.



STEP 3: Install the bottom roller assemblies as illustrated. The roller height adjustment screws should be facing out for height adjustment.



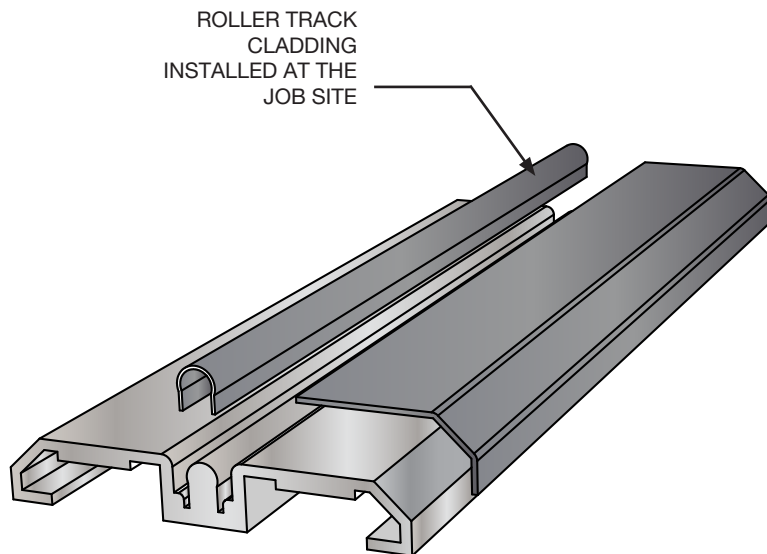
CLADDING

INSTALL OPTIONAL CLADDING

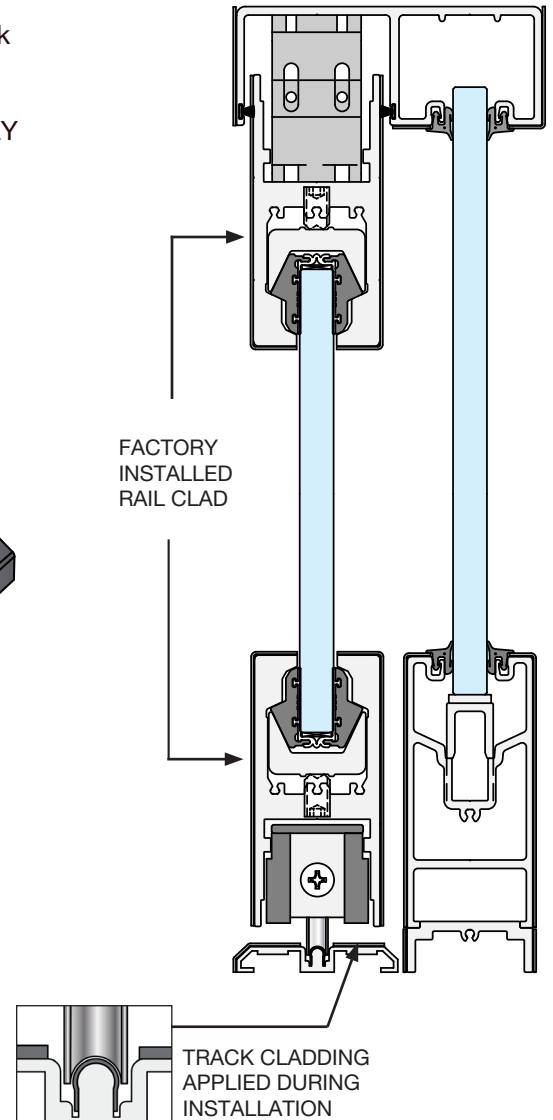
Optional Cladding is available for the FHC BRS200 HERC-SLIDING DOOR® Rails and will be pre-installed at the factory. The clad for the Tracks, Head Channel, and the Fixed Panel Mounting Base must be attached during the installation.

STEP 1: Dry fit all cladding components before removing adhesive tape liner.

STEP 2: Apply the bottom track cladding. Press the Roller Track Cladding over the roller rails of the bottom track. Use a soft rubber mallet to ensure that the cladding is firmly in place. Do not apply to sections that will carry fixed panels. **DO NOT APPLY ROLLER TRACK CLAD IF INSTALLING FLOOR LOCK BEFORE DRILLING THE LOCK BOLT HOLE (PAGE 10).**



IMPORTANT: Bottom track cladding should be applied before installing rolling and fixed panels.

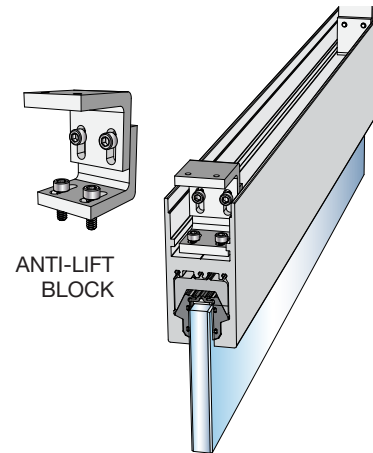
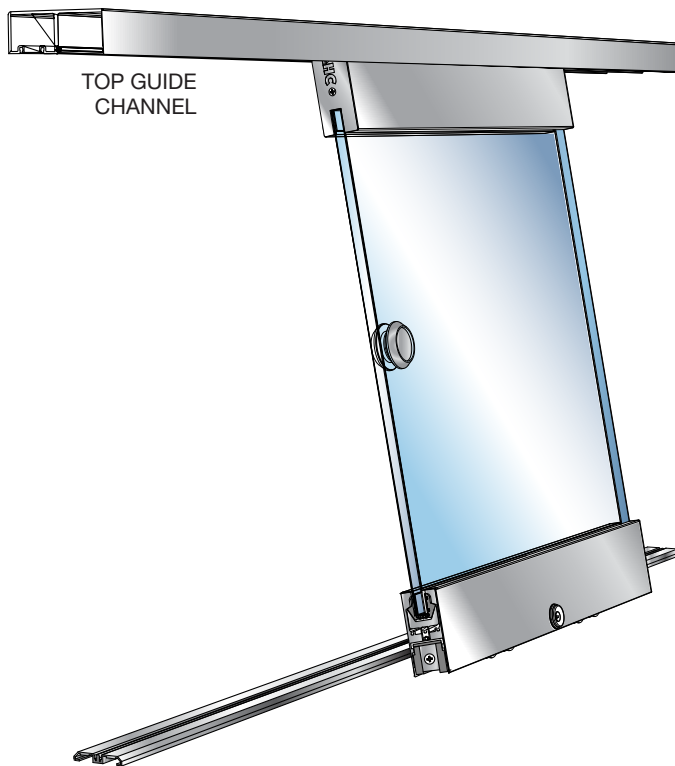


SLIDING PANEL INSTALLATION

ANTI-LIFT BRACKETS

STEP 1: Adjustable Anti-Lift Brackets are provided with your order. Verify that they are installed in the HERC-SLIDING DOOR® top rail. They will not be used on the fixed panel.

STEP 2: Make sure that the Anti-Lift Brackets are adjusted to their lowest position. Once the panels are inserted into the top guide channel they must be raised just short of dragging in order to maintain the panel securely on the track.



FITTING THE SLIDING PANELS

STEP 1: To Install Sliding panels make sure that the track is free of debris and that all track cladding has been installed as instructed in Step 3 on the previous page. Use a vacuum to remove any metal shavings from the track.

STEP 2: Install the rear sliding panel first by inserting the top HERC-SLIDING DOOR® Rail into the back upper guide rail.

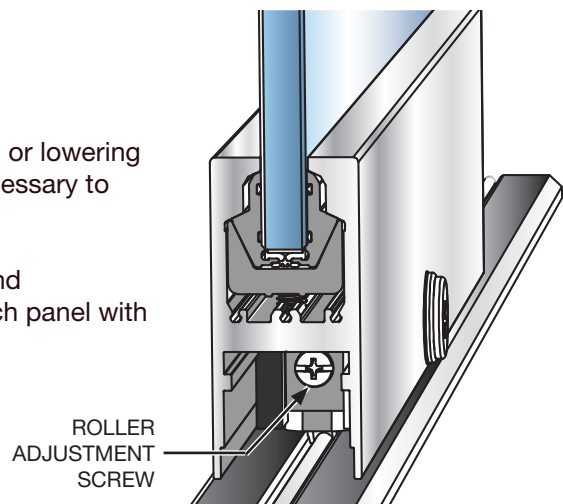
STEP 3: Lift up enough for the bottom rollers to clear the track and gently set them on the rear Roller Track Cladding.

STEP 4: Check the sliding function of each panel from one side to the other. If the bottom door rail rubs the track at any spot, adjust the rollers as shown below.

PANEL HEIGHT ADJUSTMENT

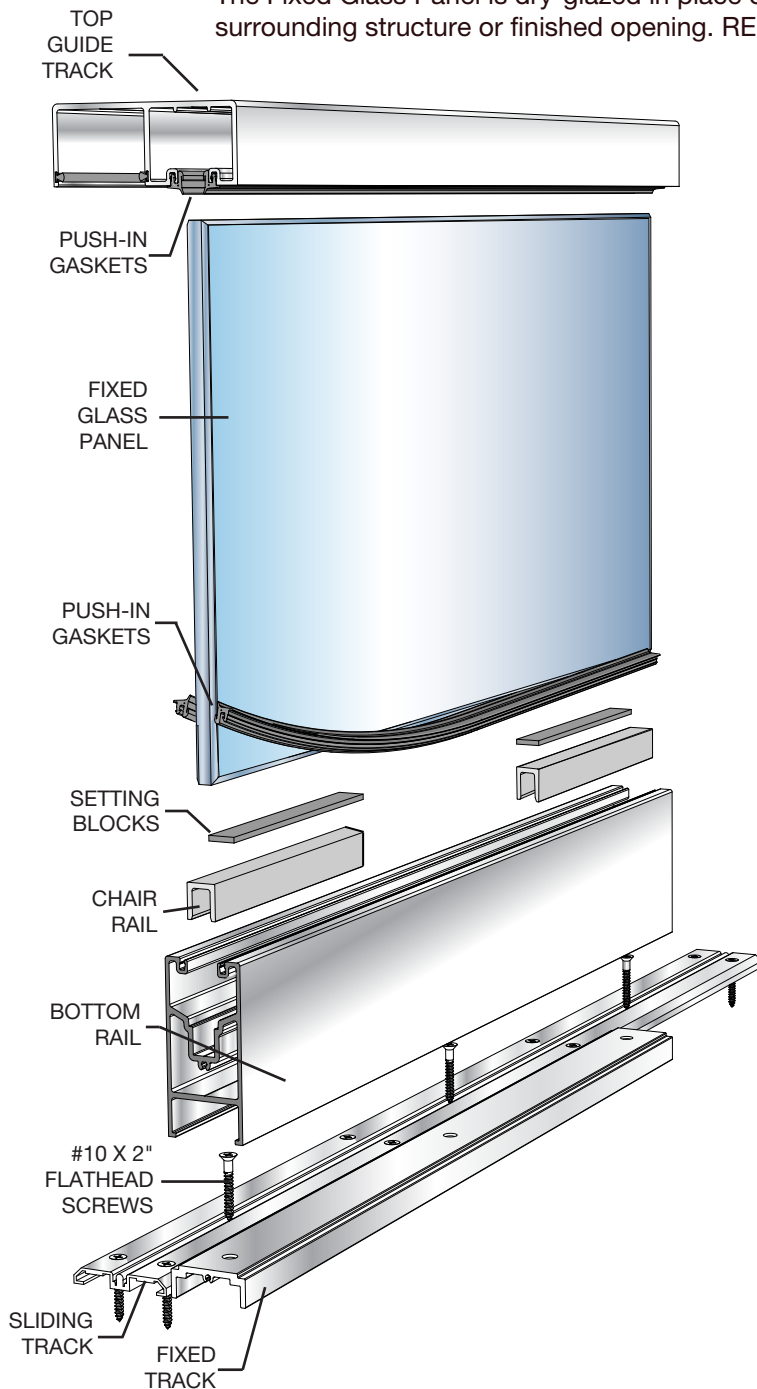
STEP 1: Adjust the height of each Sliding Panel by raising or lowering the Bottom Rollers. Remove both bottom End Caps if necessary to expose the Roller Adjustment Screws.

STEP 2: Tighten the screw clockwise to raise the panel and counterclockwise to lower the panel. It is best to align each panel with the adjacent jamb in the closed position.

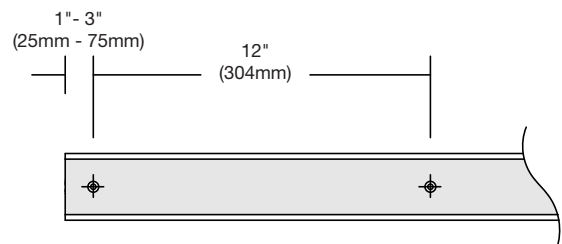


FIXED PANEL INSTALLATION

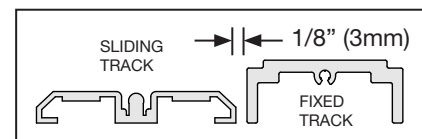
The Fixed Glass Panel is dry-glazed in place once the support BRS200 framework is mounted to the surrounding structure or finished opening. REFER TO SHOP DRAWINGS FOR DETAILS.



STEP 1: Drill and countersink holes for #10 flathead screws into the Fixed Track sections as shown below. The hole schedule is approximately 1" to 3" from each end and 12" centers in the field sections.



STEP 2: Mount the sections of the Fixed Track to the finished floor surface using #10 X 2" or equivalent fasteners while maintaining a 1/8" (3mm) gap between the two tracks.



STEP 3: Set the Bottom Rail onto the Fixed Track and place the Chair Rail inside and down into the recessed groove. Add two rubber Setting Blocks at quarter points to the top of the Chair Rail

STEP 4: Insert the glass panel up into the top Guide Track cavity and drop the other end into the glass pocket of the Bottom Fixed Rail.

STEP 5: Glaze the glass into the top and bottom pockets using the provided push-in glazing gaskets.

STEP 6: Add the End Caps to complete the installation.

INSTALLATION COMPLETION

STOP BLOCK INSTALLATION FOR SLIDING PANEL

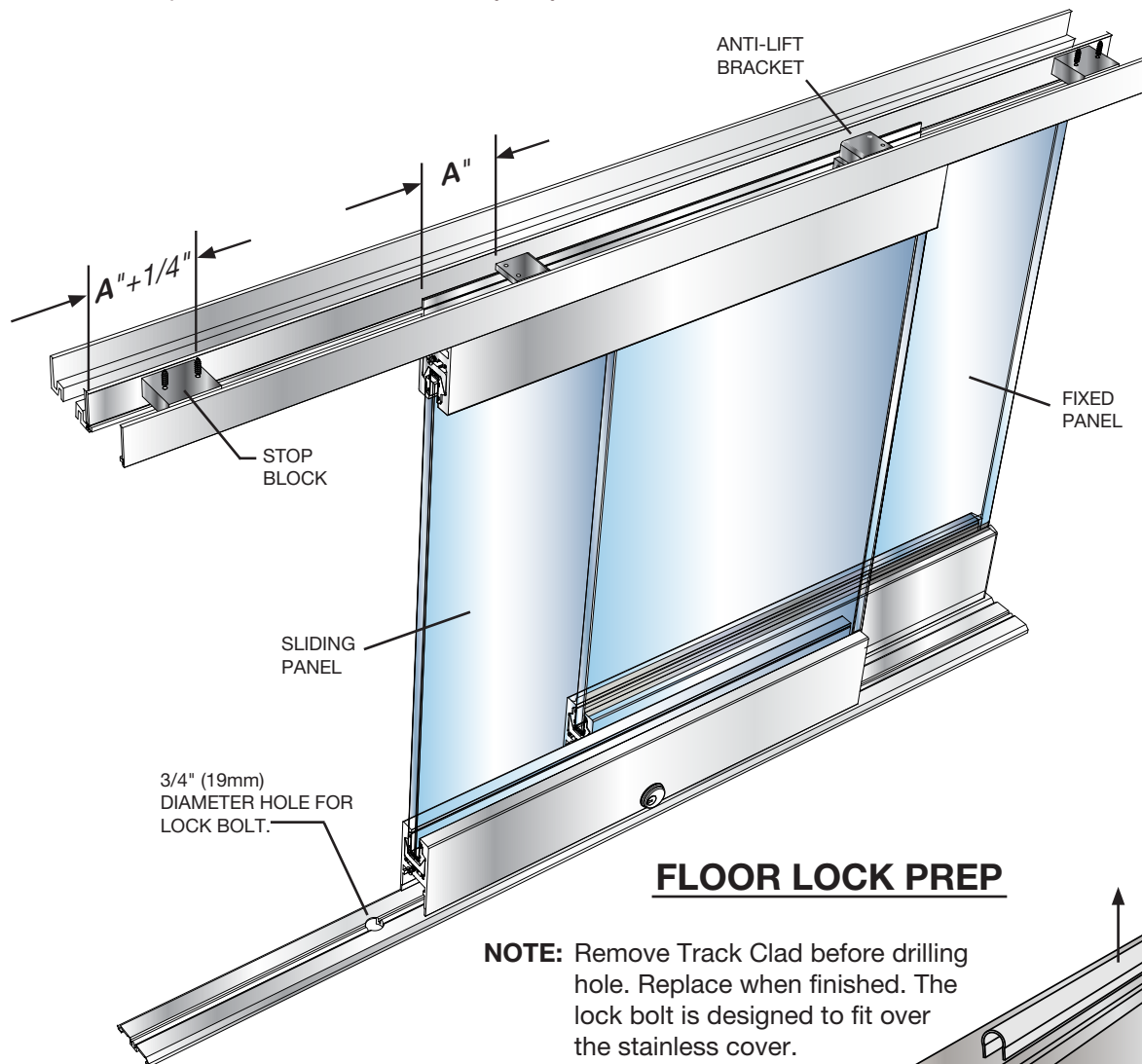
STEP 1: Verify that all Fixed and Sliding Panels are in place, adjusted for height, and operating smoothly.

STEP 2: With the Anti-Lift Brackets attached to the top of the HERC-SLIDING DOOR® Rails, slide each panel to the closed position.

STEP 3: Adjust the bottom rollers to ensure that the panels are parallel to the jambs if necessary.

STEP 4: Open each panel and measure the distance from the face of the Anti-Lift Bracket to the end of the HERC-SLIDING DOOR® Rail. **A"**

STEP 5: Set the Stop Block **A"** + 1/4" (allowance for end-cap) for that particular panel. Measure each side and door panel as the dimensions may vary.



FLOOR LOCK PREP

NOTE: Remove Track Clad before drilling hole. Replace when finished. The lock bolt is designed to fit over the stainless cover.

