TORMAX®
AUTOMATIC

TX 9600 ICU DOOR SERIES

FLOOR TRACK

Installation Instructions and Service Manual

TORMAX TECHNOLOGIES

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PREPARATION/INSPECTION

1. Ensure the package was shipped intact and complete. Verify correct package color, model and dimensions.
2. Ensure that all site conditions are in accordance with the final approved factory drawings.

A. Ensure the floor is level (i.e. finish floor). It is up to the installer to determine the most accurate means of levelness determination. Using laser or water levels are two such ways.

B. Ensure the masonry opening is ¼" greater than the package height and ½" wider than the package width. The tolerances are to allow for shims and caulking (Figure 1).

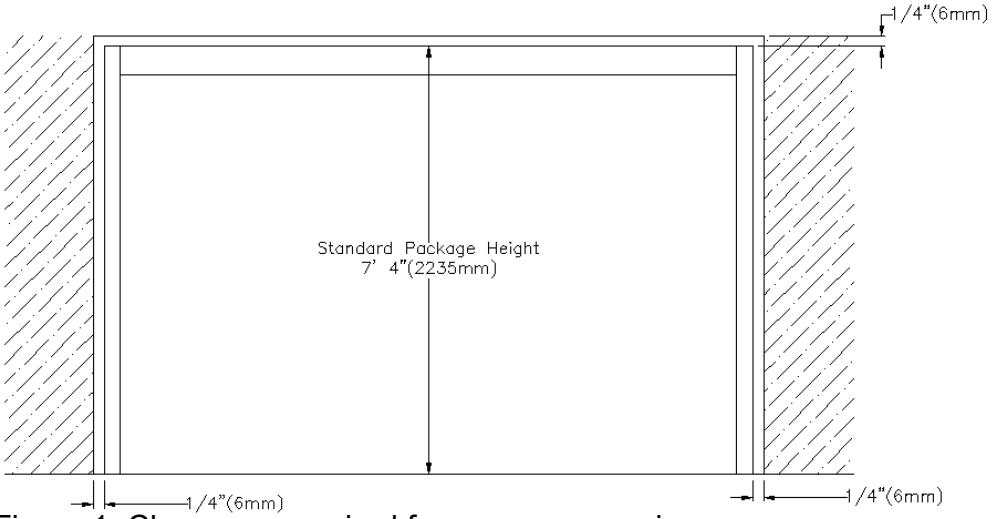


Figure 1: Clearance required for masonry opening

C. Ensure the vertical sections of the opening are perpendicular to both the finish floor and top horizontal section. This check is to ensure the opening is a true rectangle, square on all sides (Figure 2).

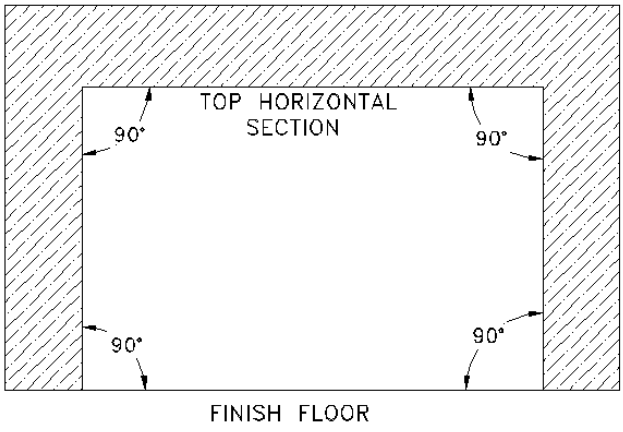


Figure 2: Masonry Opening Check

1. To assemble the header, fasten the header outer section to the center section, using the provided five 10-32 x ½" mach screws.
2. Slide the inspection cove into the center section. This cover will not be fastened to the center section.
3. Fasten the Jamb tubes to both sides of center section (Figure 3).

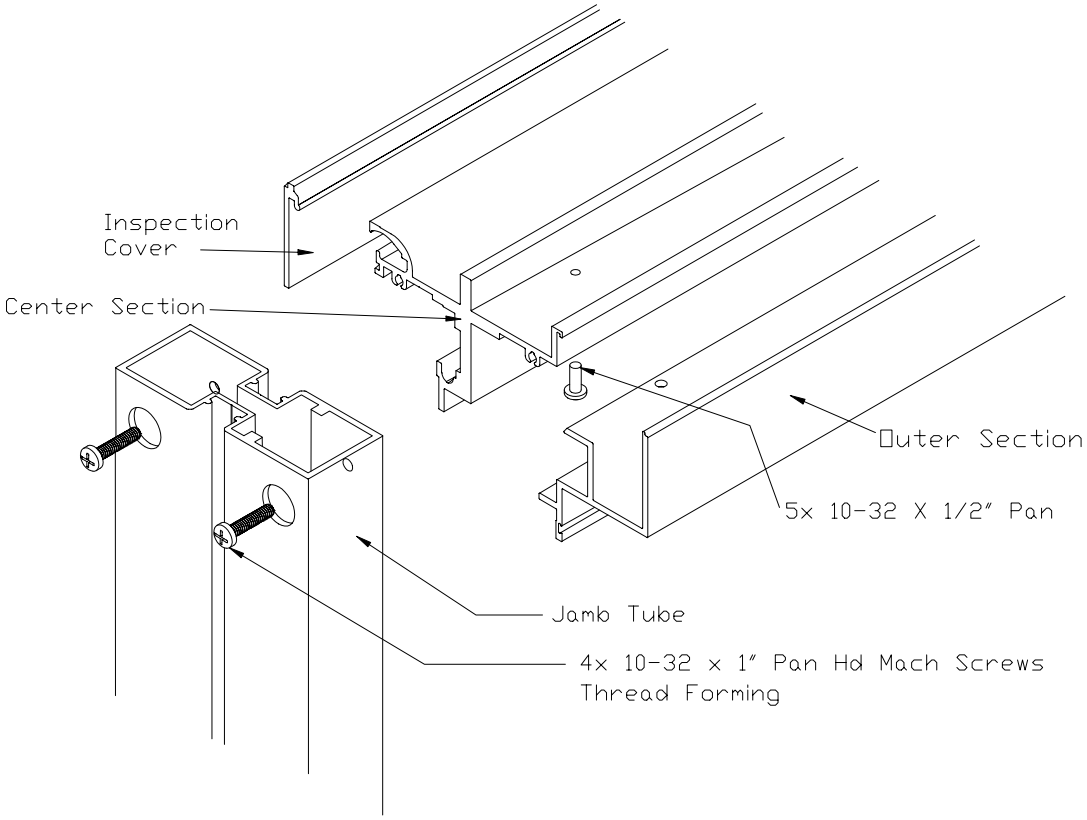


FIGURE 3: Frame Assembly

4. Screw in the sliding door bumper/stop to the opposite jamb tube than that seen above. The rubber bumper, found in the blister pack, has dimensions of 1" x 1" with 5/16-18 threads (Figure 4).

NOTE: Ensure the roller channel groove , of the center section, is clean and free of debris. This ensures proper and quiet operation and prolongs roller life.

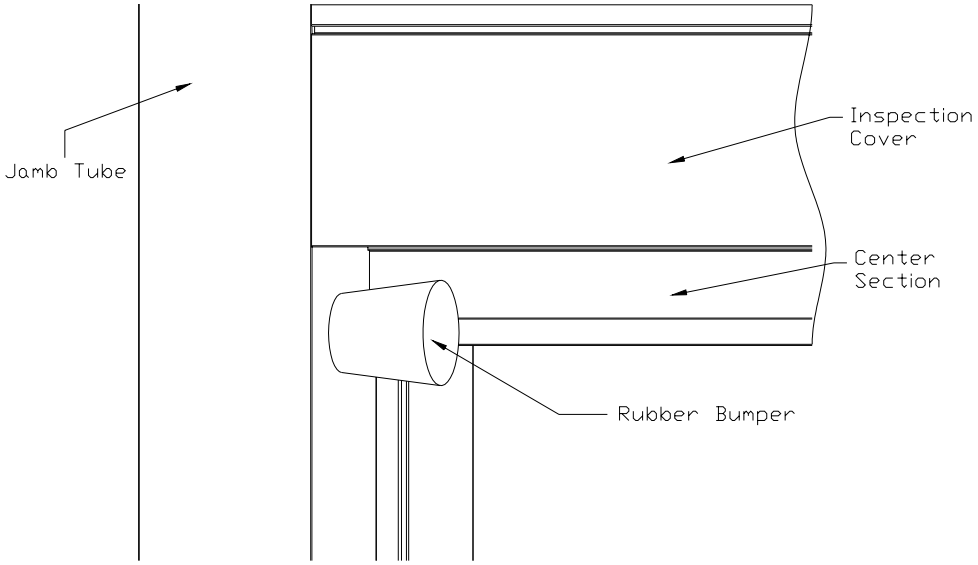


FIGURE 4: Assembled header showing the sliding door bumper/stop

5. Place the assembled header into the masonry opening. Ensure the correct side of the header is facing out, this varies with each door application. The provided factory drawing with the correct interior and exterior sides.

6. Center the package as close to the ¼"(6mm) clearance as possible and insert the ¼" shims (Figure 5).

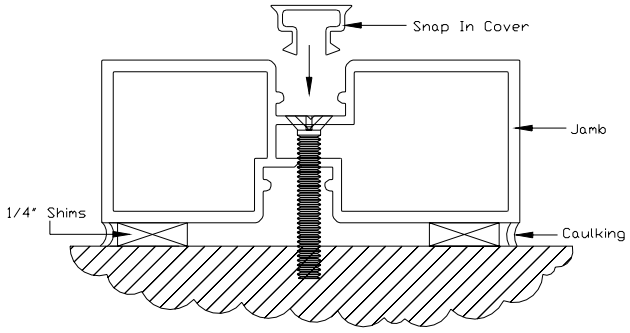


FIGURE 5: Jamb Tube Anchoring

7. Use appropriate fasteners to securely anchor the jambs to the masonry, 4 each.

TTHRESHOLD AND PIVOT INSTALLATION

1. The threshold used in Tormax applications is 4 ½" wide and ½" thick. The installer is responsible for correct cutout dimensions. The threshold will be shipped 2 in longer than the door panels (Figure 6).
2. Once the cutout is made, insert the threshold, level it to the finished floor using shims if needed, and secure it to the masonry using appropriate screws (Figure 7). Repeat the process on the opposite jamb for bi-part applications.

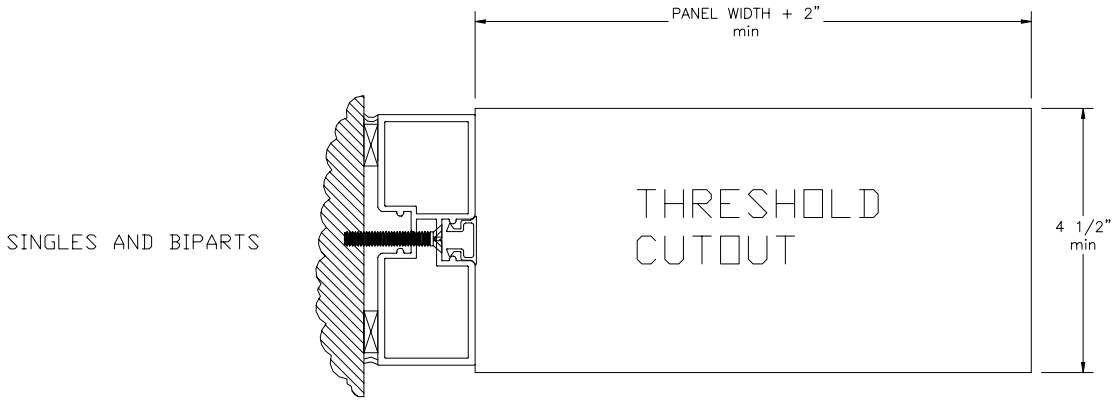


FIGURE 6: Threshold Installation Prep

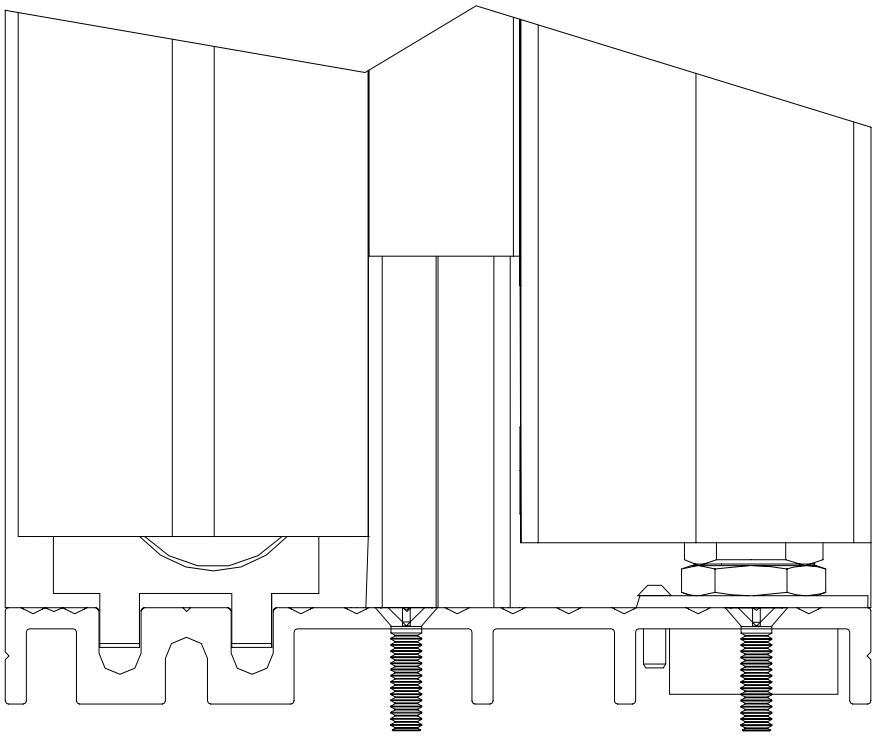


FIGURE 7: THRESHOLD INSTALLATION

3. With the level threshold secured in place, insert the base pivot assembly, provided in the blister pack, in the hole in the threshold, assembly number 141016 (Figure 8). This hole is aligned with the top pivot hole in the header, which ensures a level door thru opening. Secure the assembly to the threshold by using the “drive screw” in the blister pack. Loosen the locknut and screw the pivot in fully, flush with the threshold. This allows the SO panel to sit at its lowest point.

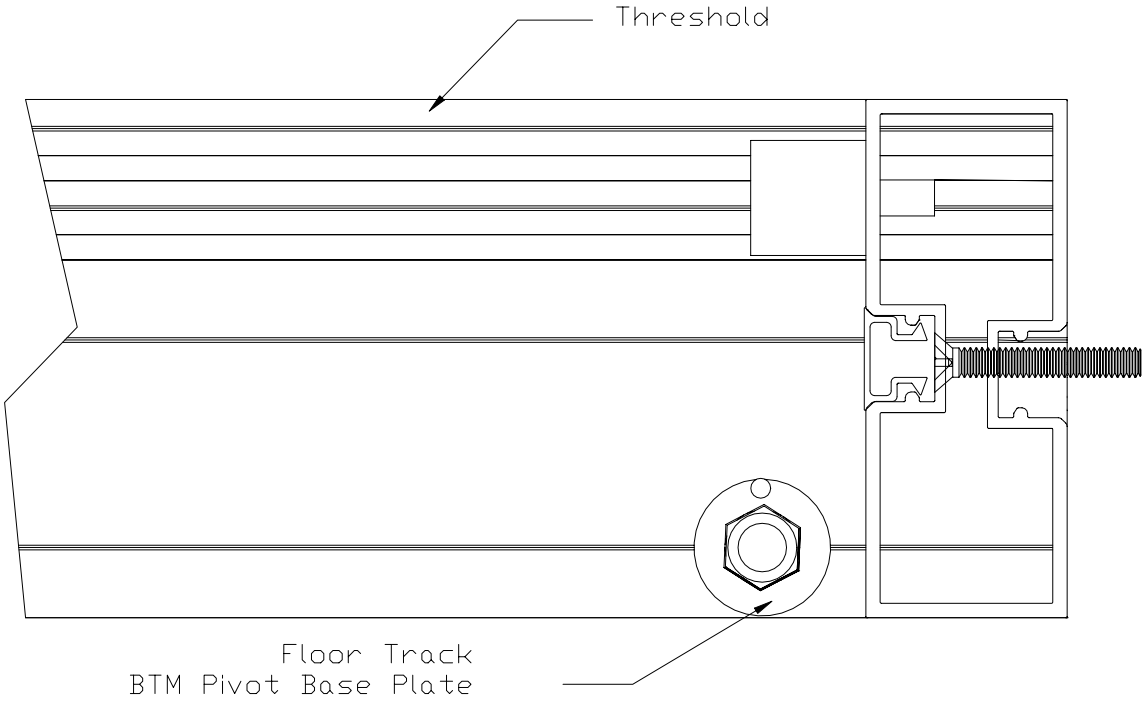
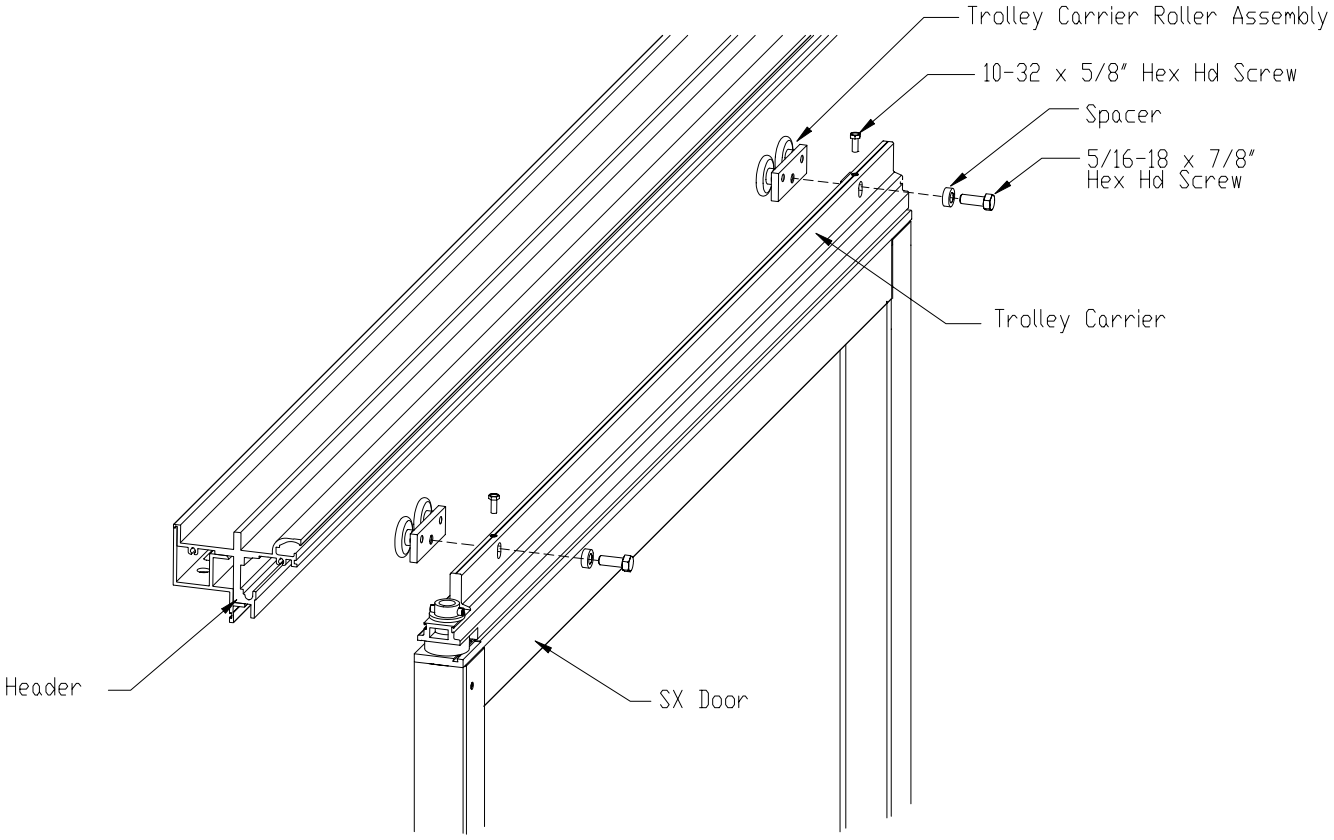


FIGURE8: BASE PIVOT ASSEMBLY INSTALLATION

1. Both panels are shipped assembled with a few minor exceptions. The SX panel requires the installation of the trolley carrier roller assemblies, assembly number 140957. Take the roller assemblies from the blister pack, insert them into the header roller track and fasten the door to the assemblies as shown, but don't tighten (Figure 9).



2. Once the door is hanging from the header and self supported, push the SX door guide assembly, assembly number 2-29-0026, up into the panel and slide the door over the threshold grooves. Let the door guide slip into the grooves (Figure 10).

3. Before fastening the door to the roller assemblies, ensure the 10-32 x 5/8" Hex Hd adjusting screws are backed out. This allows the door to hang at it's lowest point possible. If vertical adjusting is required, lighted the weight on the adjusting screws by lifting the door up from the bottom and screw in the adjusting screws little at a time.
4. It is important to maintain the door as level as possible, therefore, if one adjusting screw is repositioned the other must be also.
5. Once the door is at it's correct vertical position and level, tighten the 5/16-18 x 7/8" Hex Hd blot to secure the door to the header. The panel is now free to slide (Figure 10).

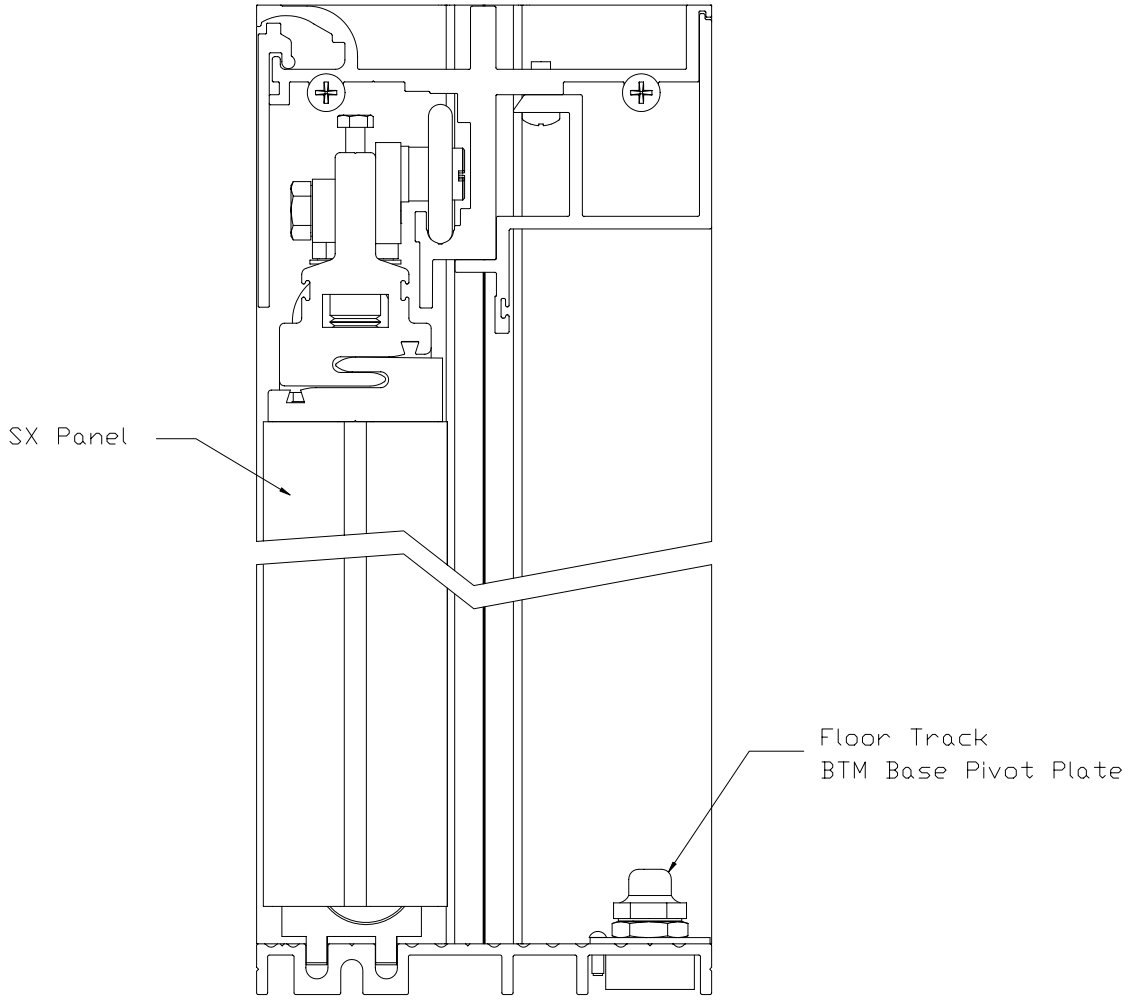


FIGURE 10: Installed SX Panel.

6. Slide the door all the way forward, until the rubber seal mates with the jamb tube. This is in preparation for the installation of the SO panel.

1. The SO panel is shipped completely assembled. Remove from the shipping container and install.
2. The next step is to install the panel into the frame. The bottom section of the panel is to be inserted into the bottom pivot base plate. The latter is done by tilting the panel in place over the bottom pivot base plate (Figure 11).

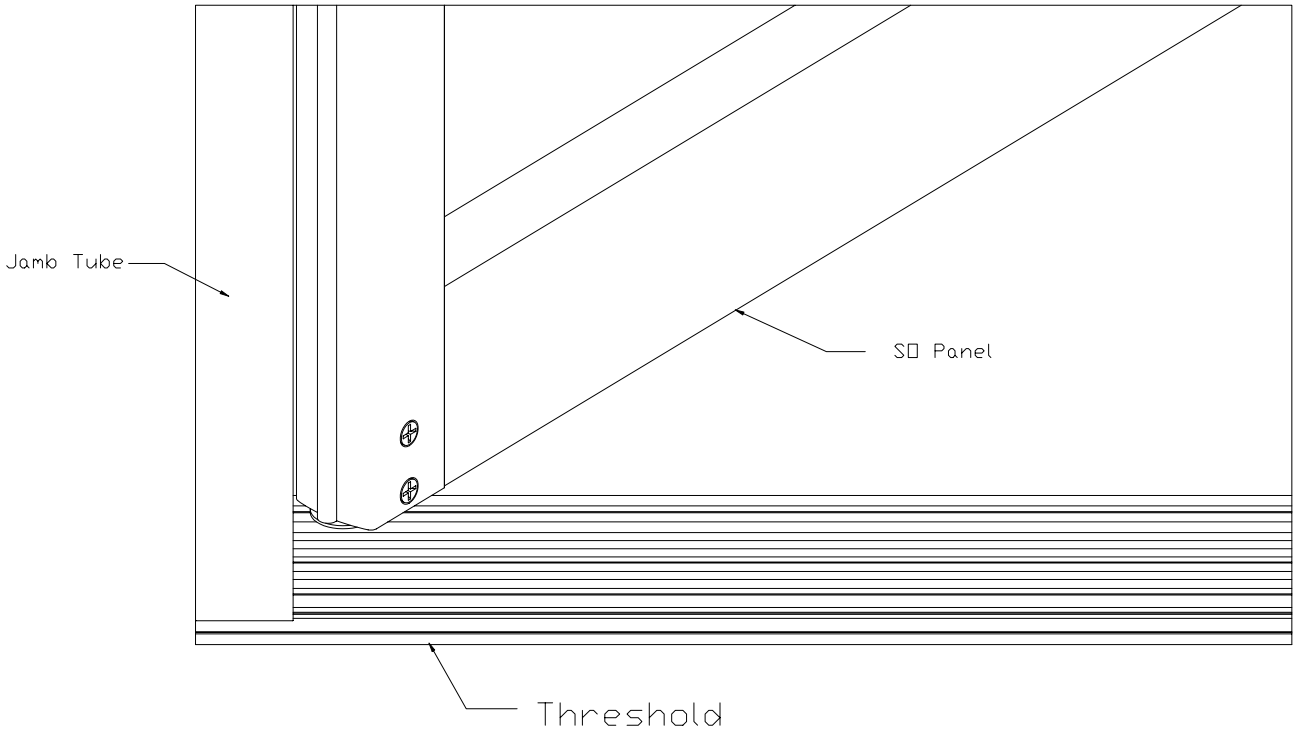


FIGURE 11. Panel Installation Detail

3. With the bottom end of the door on the base pivot, tilt the top end of the door towards the header. Once near the header, depress the spring loaded top pivot and slide the door under the header.

4. Move the door around until the top pivot snaps into the pivot hole in the header's outer section (Figure 12). Now swing the door to the closed position and secure it by pushing the door into the header until the ball detent snaps into the hole in the header's outer section.

5. The bottom pivot base plate is shipped with the pivot screwed completely in. The pivot's vertical position should be adjusted to give the required 1/8" clearance between the top of the SO panel and the bottom of the header's outer section.

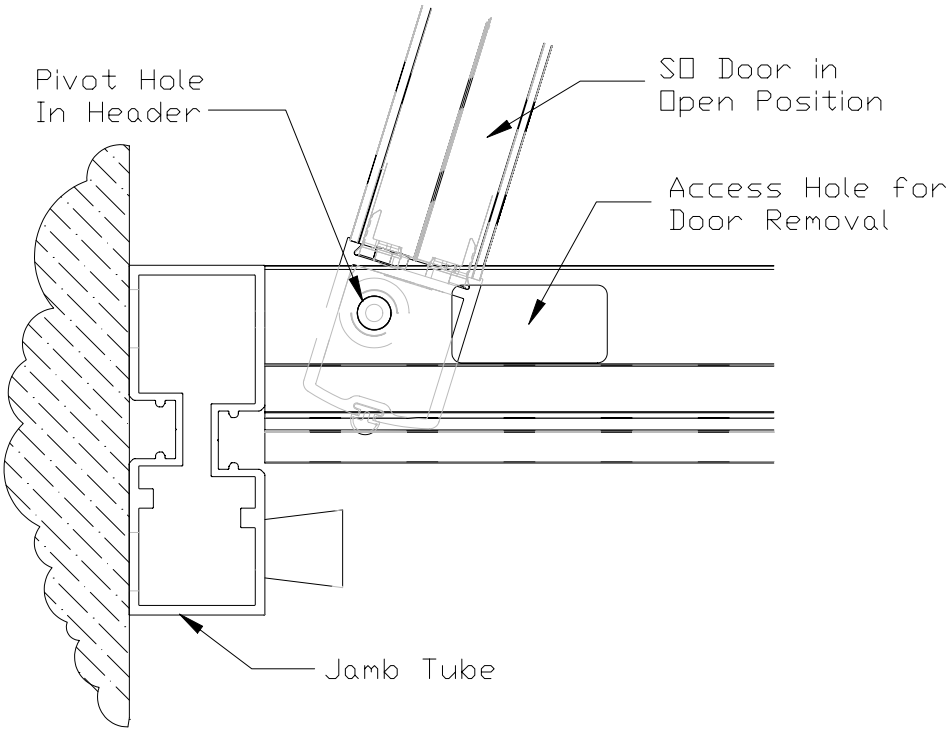


Figure 12: SO Panel Installation/Removal Detail

6. To remove the panel depress the spring loaded pivot through the access hole with a finger, while slowly tilting the panel to the side. The panel may have to be brought down to achieve the correct clearance between the top of the panel and the header.

7. Test the package by pushing the SX door outward, until both ball detents snap free. Now swing both panels outward, remember that the panels will swing independent of each other, while checking for unexpected resistance or anything restricting a full breakout.

8. Lock the package in place by first closing the SX panel, ensure the ball detent snaps in. Repeat the process with the SO panel. (Figure 13).

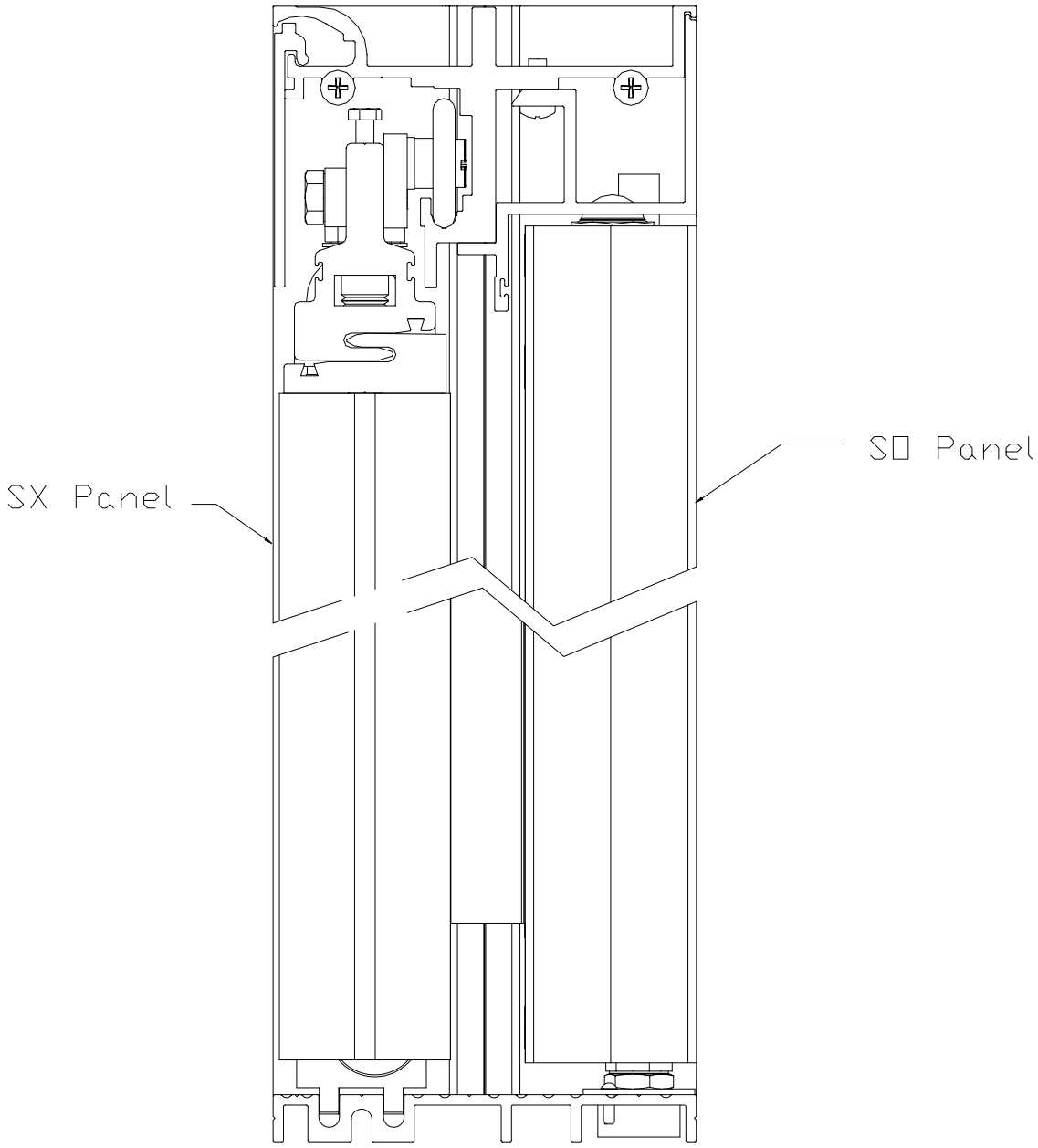
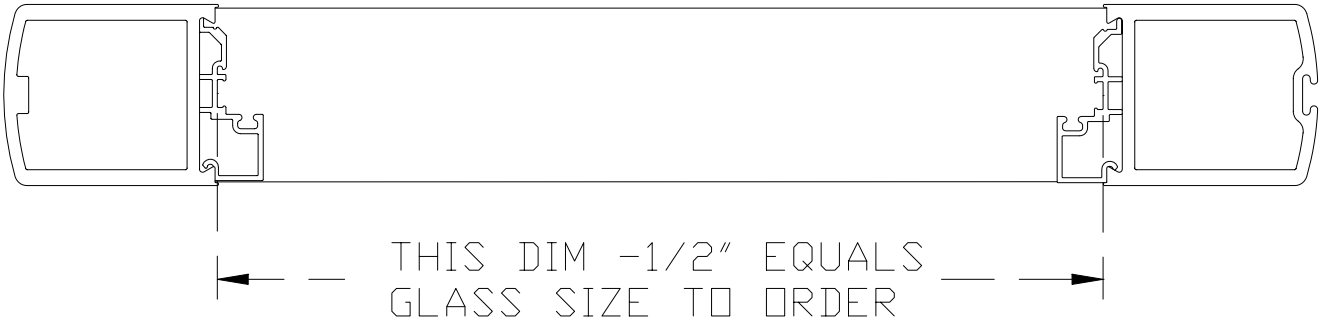


FIGURE 13: Installed Panels in Closed and Locked Position.

1. Tormax door panels are shipped with glass stop gutters installed. The glass stop face side is shipped wrapped to the stile or rail to which it belongs. Both glass stop's are shipped with vinyl. It is very important not to mix the glass stop faces since they are custom cut to their specific location.
2. Since most packages are custom in width, the following diagram will assist the installer with glass sizes:



3. For installation and service, refer to the glass stop and glazing manual, which is also provided.
4. Refer to Table 1 for max glass weight and glass thickness for a single slide application.

Table 1: Glass weight for a single slide application w/ 8ft masonry opening

Door/Panel	GLASS WEIGHT (lbs)	GLASS THICKNESS (in)
SO	78	¼"(6MM)
SX	78	¼"(6MM)

5. Tempered or laminated glass is required in panels/doors per ANSI Z97.1-1972.