FSCDW1800 SERIES
DELUXE SELF-CLOSING SERVICE WINDOWS

P.O. Box 1906, South Gate, CA 90280 Toll Free: (888) 295-4531 | Fax: (323) 336-8307 | Web: fhc-usa.com

FHC®
FRAMELESS HARDWARE COMPANY
THE GLAZING SUPPLY COMPANY

Contents

FHC®
FRAMELESS HARDWARE COMPANY
THE GLAZING SUPPLY COMPANY
P.O. Box 1906, South Gate, CA 90280 Toll Free: (888) 295-4531 | Fax: (323) 336-8307 | Web: fhc-usa.com

CONFIGURATIONS

FSCDW1800 DELUXE SELF-CLOSING SERVICE WINDOW

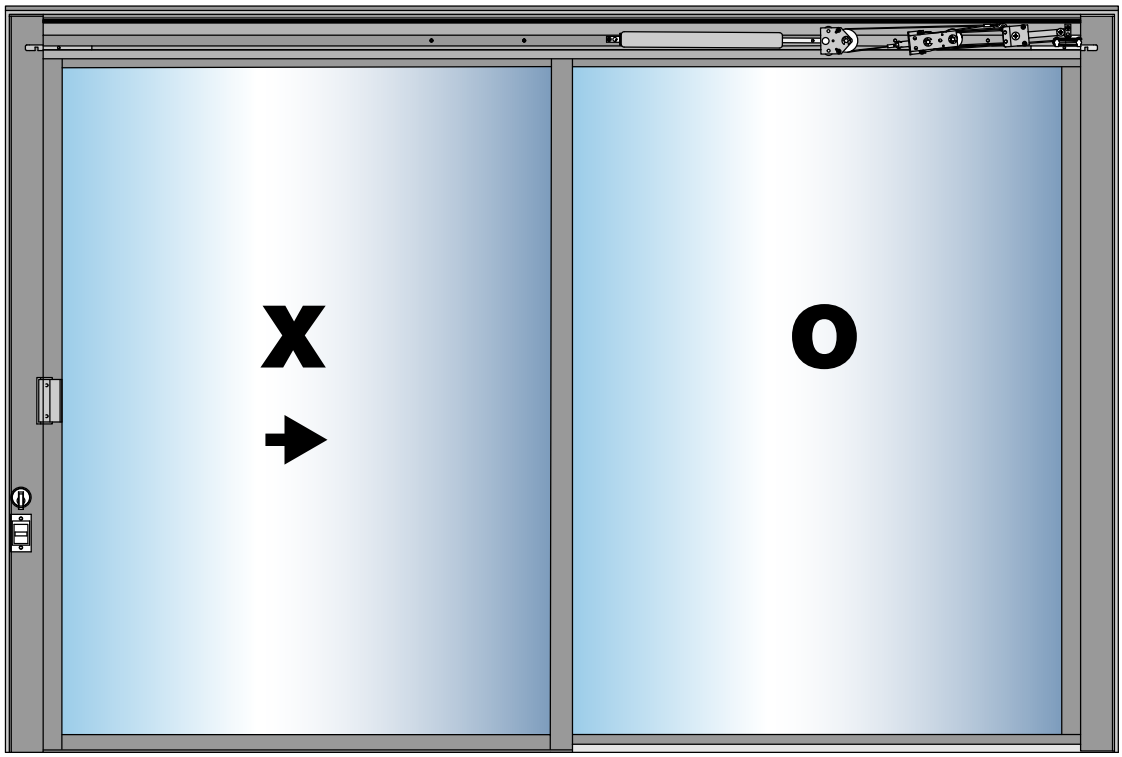
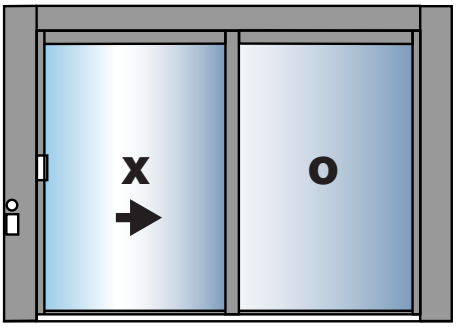
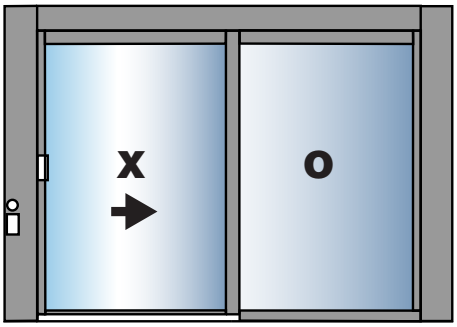


FIG.1

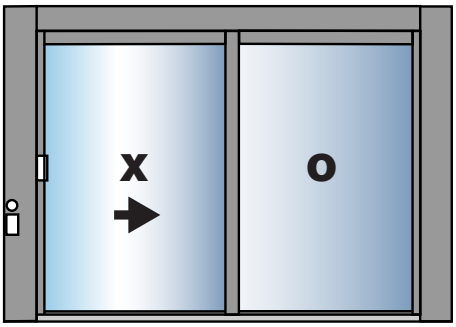
The FSCDW1800 Series Service Window is shipped fully assembled and ready to install. Available in OX or XO configurations for all models and glazed with 1/4" or 1/2" glass. **(Figure 1)** represents a standard size 72" X 48" service window. The self-closing mechanism is exposed for clarification purposes to show the ease of access for servicing and can be easily removed if required. The diagrams in **(Figure 2)** represent the (4) standard configurations making the FSCDW1800 Series Self-Closing Service Window easily adaptable to most requirements. Standard options will be covered in greater detail in this guide.



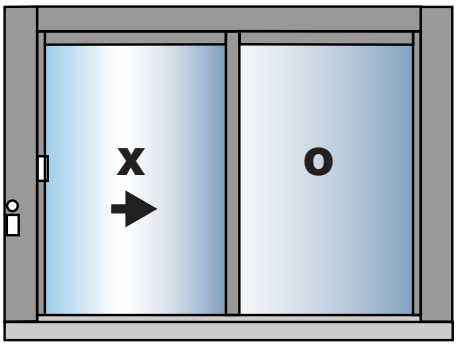
Item No. FSCDW1802
FULL BOTTOM TRACK



Item No. FSCDW1801
HALF BOTTOM TRACK



Item No. FSCDW1803
STAINLESS BOTTOM TRACK



Item No. FSCDW1804
STAINLESS SHELF

FIG.2

FHC® FRAMELESS HARDWARE COMPANY THE GLAZING SUPPLY COMPANY

P.O. Box 1906, South Gate, CA 90280 Toll Free: (888) 295-4531 | Fax: (323) 336-8307 | Web: fhc-usa.com

PREPARATION

UNPACKING THE FSCDW1800 SERIES SELF-CLOSING SERVICE WINDOW

Carefully unpacked and removed the window from the shipping crate. Place the entire unit, in the shipping frame, on a table for inspection. Support window in an upright position.

KEY INSPECTION STEPS

1. Test the sliding window for smooth operation.
2. Verify that the lock is aligned properly and functioning.
3. Check the frame latch to ensure a firm engagement.
4. Check frame corners to verify fasteners are tight.
5. Verify that the corners are square.
6. Check bottom clearance on sliding panel.
7. Adjust if necessary as illustrated in **(Figure 4.)**
8. Remove shipping frame if no adjustment is required.

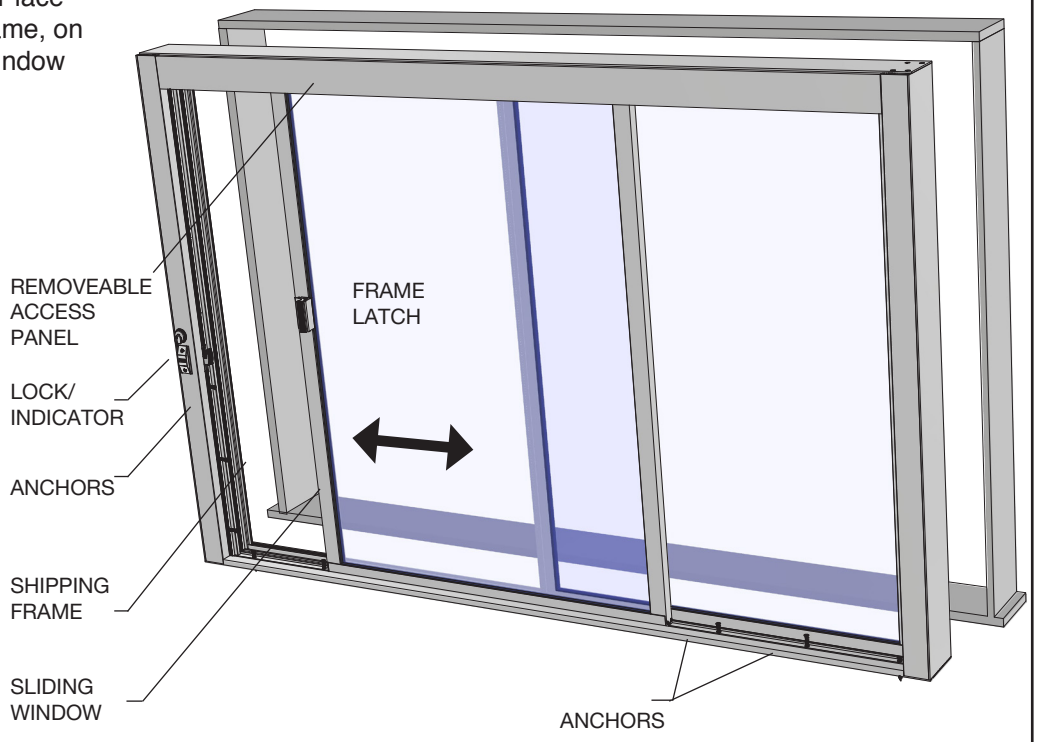


FIG.3

OPENING REQUIREMENTS

The FSCDW1800 Series Self-Closing Service Window is mounted in the same way as any block frame window. Punched-openings of cement, brick, or stucco will work well and finished framed-plaster or drywall openings are also acceptable as long as support framing or backing is installed around the full perimeter.
NOTE: Do not mount to hollow drywall.
In order to allow room for shims, a gap of 1/4" should be added to the head and jambs beyond the window dimensions. The window sill component rests directly on the opening sub sill flashing, or counter top surface. No gap required at the bottom.
The opening itself must be square to within the 1/4” or less to avoid frame deflection resulting in binding of the sliding window leaf **(FIGURE 4).**
The surface must be clean and dry when sealing the perimeter. For best results, tool or smooth the wet sealant around perimeter forcing material into voids and crevices.

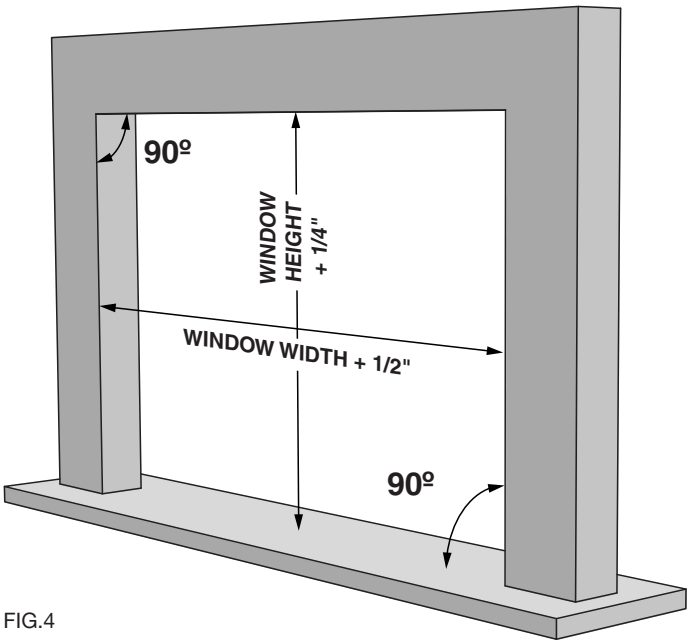


FIG.4

Illustrations Not To Scale

FHC® FRAMELESS HARDWARE COMPANY THE GLAZING SUPPLY COMPANY
P.O. Box 1906, South Gate, CA 90280 Toll Free: (888) 295-4531 | Fax: (323) 336-8307 | Web: fhc-usa.com

WINDOW INSTALLATION

PLACEMENT OF WINDOW

Add a bead of sealant to the bottom of the window sill before inserting. Slide the FSCDW1800 Self-Closing Service Window into the finished openings and center. The opening should be square, plumb, and allow approximately a 1/4" gap on the top and sides. The window sill profile should sit directly on the bottom base plane or sub sill surface. Remove sealant residue from counter top once window is in position **(Figure 5).**

SHIM AND ANCHOR WINDOW

Use tapered shims to compress and hold the window into place **(Figure 6).** Slide two shims together as shown in **(Figure 7)** at factory drilled fastener holes along the jambs and head.

With the window snug, use a rubber mallet to center the window front-to-back and plumb.

Start with a fastener on each top jamb hole driving the anchor snug through the pair of tapered shims.

Make sure that the frame does not deform when tightening the fasteners. After the two initial screws are set, test the sliding panel to check for binding and proper latch engagement. Continue to anchor frame evenly around the perimeter. When all anchors are installed, including the sill anchors, trim the wooden-tapered shim on each side at an angle to allow for a sealant bead **(Figure 7 and 8).**

INSTALL SHIMS

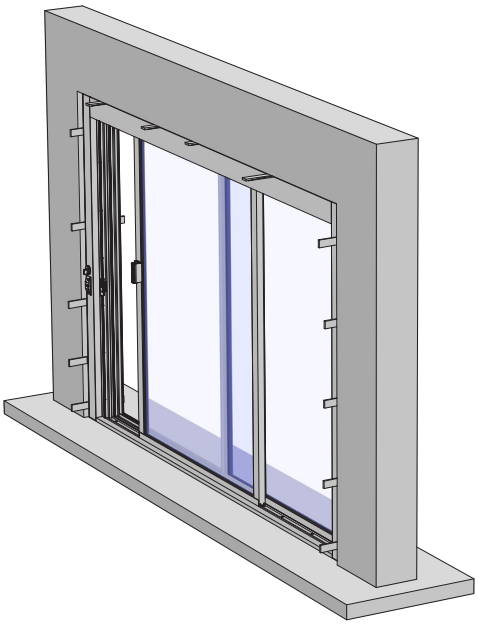


FIG.6

INSERTING SERVICE WINDOW

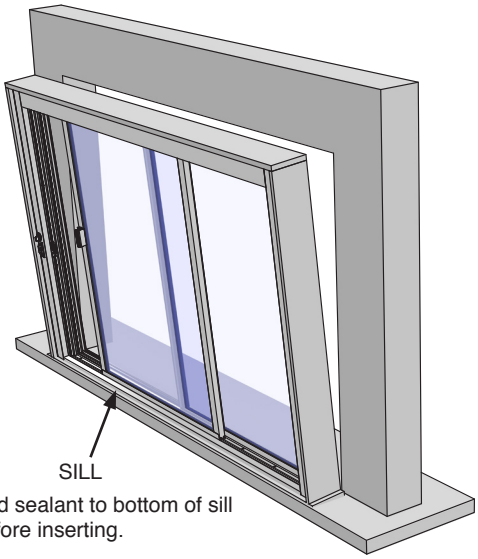


FIG.5

JAMB ANCHORING

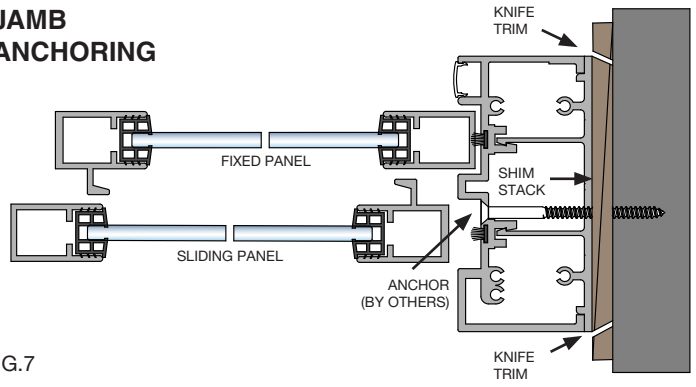
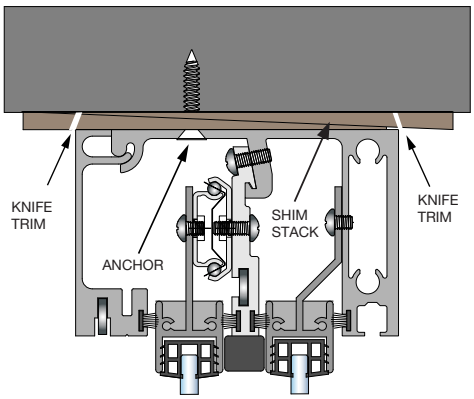


FIG.7

HEAD ANCHORING



IMPORTANT: Fasteners/anchors should ONLY penetrate at shim locations to avoid frame deflection.

FIG.8

Illustrations
Not To Scale

WINDOW INSTALLATION

HEAD AND JAMB SEALING

After trimming the stacked shims along the jambs and head as illustrated in **(Figure 7)**, the window is ready for the sealing procedure. Insert 1/4" - 3/8" backer rod pieces between each shim-stack to back up the sealant and allow proper tooling.
Carefully cover the access door face with painter's tape before sealing. When removed the sealant should allow door to be opened for future servicing without breaking the seal.
Seal head and jambs as shown in **(Figure 8)**.

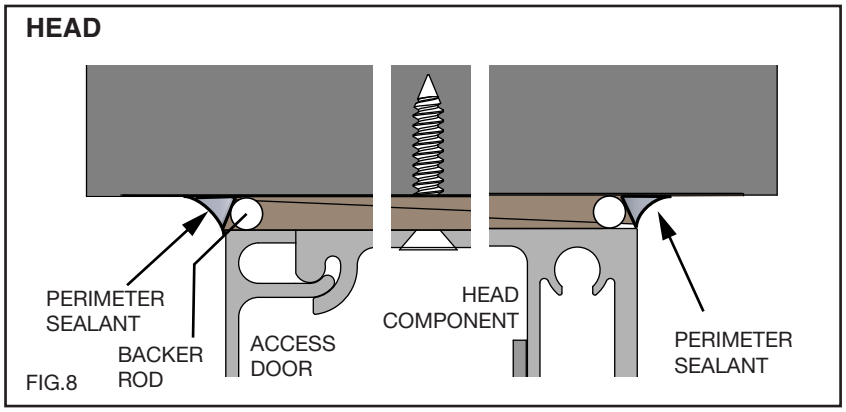


FIG.8

BASE SILL SEALING

Perimeter sealant should be added to the sill edges in both interior and exterior. Tool the sealant to a smooth-tapered bead as shown in **(Figure 9)**. Remove any excess as soon as possible.

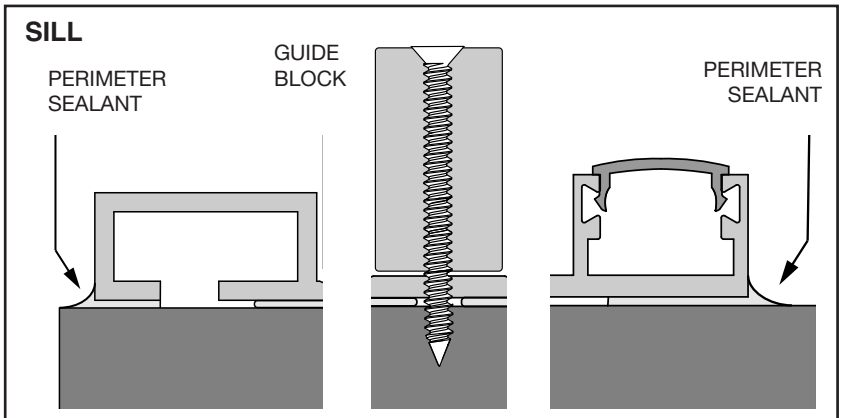


FIG.9

SLIDING PANEL HEIGHT ADJUSTMENT

1. Slide header support bar away from slot both sides.
2. Remove access panel
3. Loosen height adjustment screws.
4. Adjust sliding panel to 1/16" above track, if required.
5. Test the slider and replace access panel.

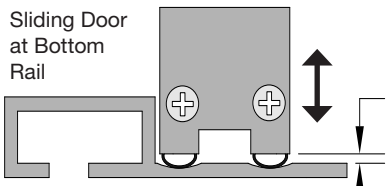
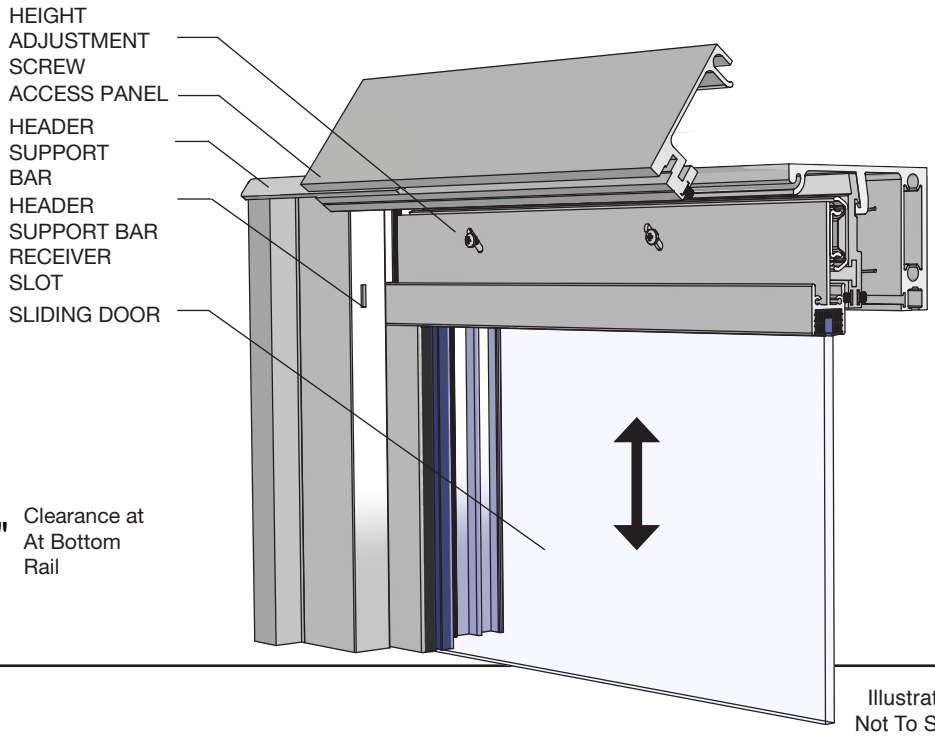


FIG.10



Illustrations Not To Scale

FHC FRAMELESS HARDWARE COMPANY THE GLAZING SUPPLY COMPANY
P.O. Box 1906, South Gate, CA 90280 Toll Free: (888) 295-4531 | Fax: (323) 336-8307 | Web: fhc-usa.com

GLASS REPLACEMENT

Glass for the FSCDW1800 Series Self-Closing Service Window may be easily replaced without removing the frame from the opening. A uniquely designed access panel allows quick door removal if required in the future.

OPENING ACCESS PANEL

Use a 7/16" hex wrench to rotate or remove the hidden 1/4"- 20 X 3/16" set screw on the back of the access panel. Remove the Header Support Bar (FDWHSK). Repeat the process on the other side. Rotate the access panel up, pull out of the guide slot, and set aside **(FIGURE 11).**

SLIDING PANEL REMOVAL

The FSCDW1800 Series Self-Closing Service Window may be re-glazed in the event of a broken glass panel. It is attached directly to the bearing slide assembly with 4-6 #10-28 X 1/4" machine screws.

(Figure 12) shows the Sliding Panel removal procedure of lifting up and tilting out to clear the clerk side track guide. The vinyl guides remain on the track.

To remove the panel assembly, remove the machine screws at the top head and tilt the unit out at the bottom, lifting up as shown in **(Figure 13)**.

UNLOCKING ACCESS DOOR

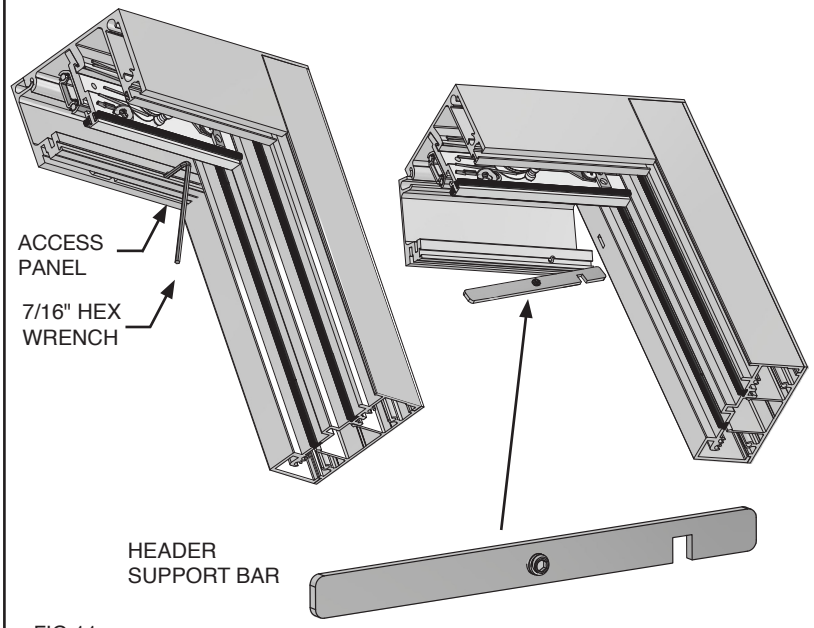


FIG.11

BOTTOM TRACK VIEW

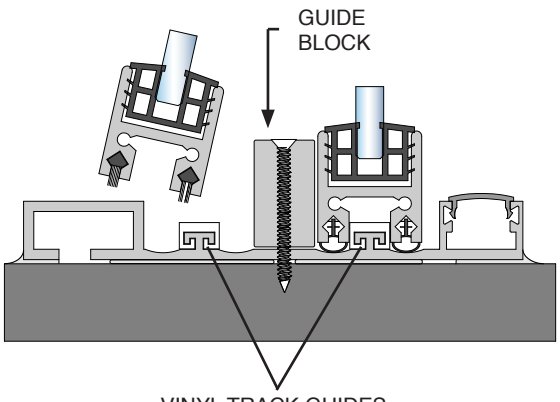


FIG.12

SLIDING PANEL REMOVAL

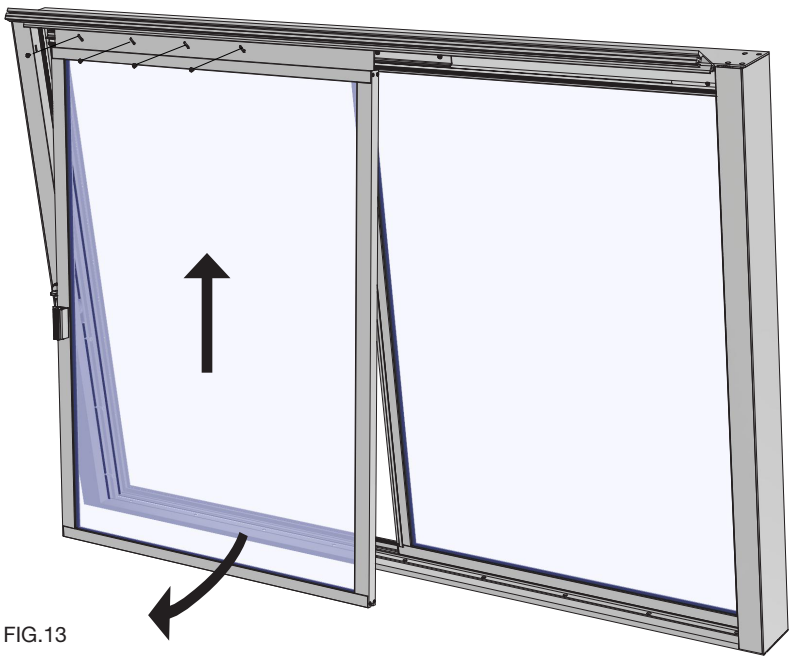


FIG.13

Illustrations
Not To Scale

FHC FRAMELESS HARDWARE COMPANY THE GLAZING SUPPLY COMPANY

P.O. Box 1906, South Gate, CA 90280 Toll Free: (888) 295-4531 | Fax: (323) 336-8307 | Web: fhc-usa.com

GLASS REPLACEMENT

DIVIDER BAR WITH SELF-CLOSING MECHANISM

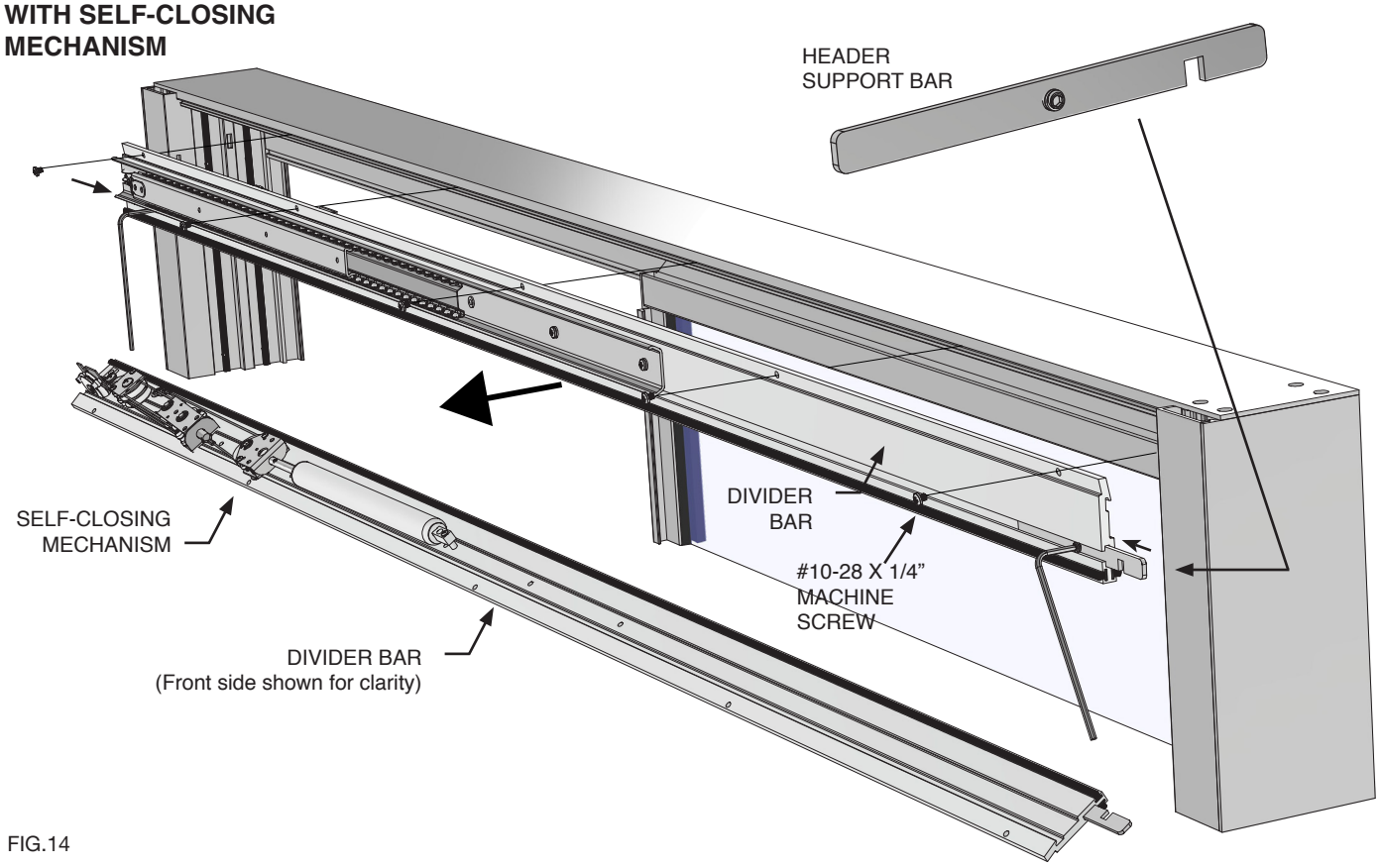


FIG.14

REMOVE DIVIDER BAR

Use a 7/16" hex wrench to loosen the 1/4"- 20 X 3/16" set screws on the Header Support Bars (FDWHSK). Slide the bars towards the center of the divider bar enough to clear the locking slots in each jamb. Remove the #10-28 X 1/2" round-head machine screws along the top edge to release the divider bar. Pull straight out to remove the divider bar containing the self-closing mechanism **(FIGURE 14).**

FIXED PANEL REMOVAL

Remove the #10-28 X 1/4" machine screws along the top edge of the fixed window Lift up and rotate the window out to remove **(FIGURE 15).**

FSCDW1800 Series Self-Closing Service Window frames may be disassembled and reglazed when removed from the main assembly. Reassemble reversing the previous procedure.

FIXED PANEL REMOVAL

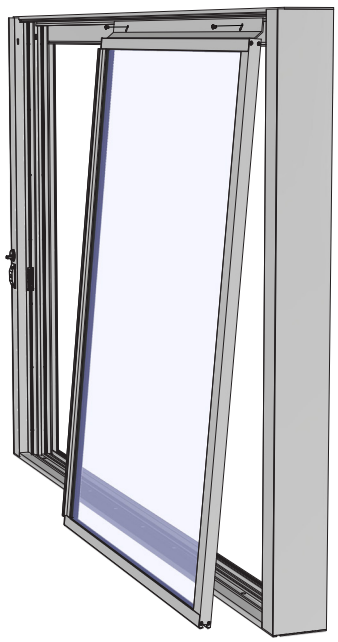


FIG.15