

FHC SHANNON FRAMELESS PASS-THRU WINDOW

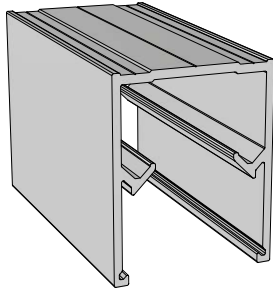
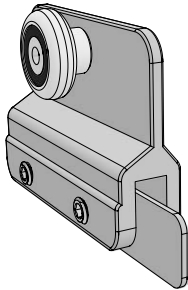
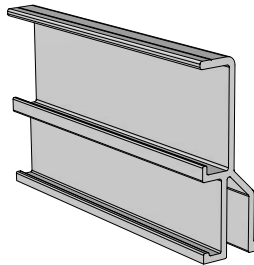
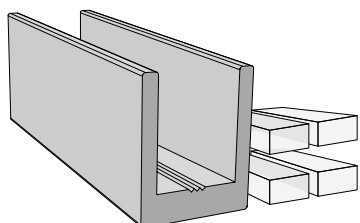
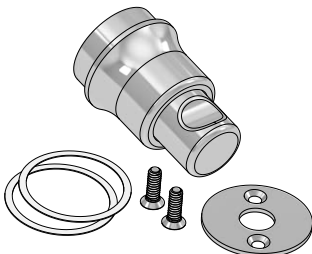
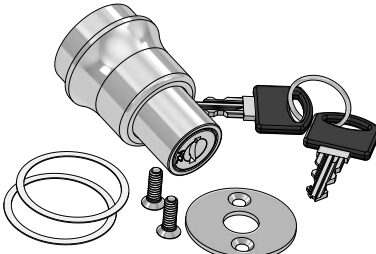
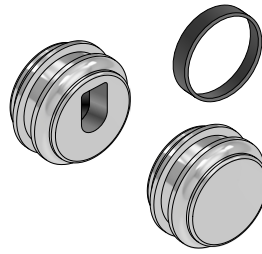
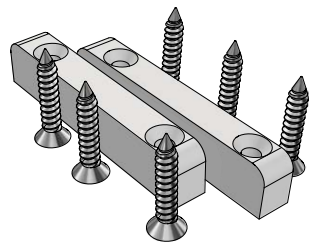
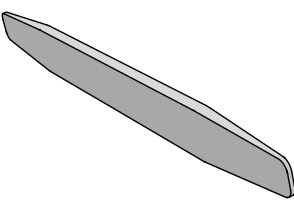
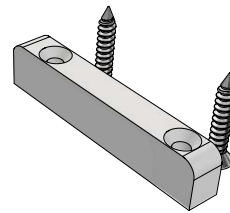



Introduction

FHC's Shannon Frameless Pass-Thru windows are designed to be easily installed in square and plumb finished openings. Pass-thru windows provide a barrier between two office environments offering privacy and reduced risk of bacterial transmission, while at the same time allowing the exchange of verbal communication and documents when required. Additional security may be added to any FHC Pass-Thru Window with our KL50 Series keyed push button locks.

The Shannon Series Pass-thru Windows are available for 36" X 48" and 48" X 48" openings in XX, OX, and XO configurations. Other configurations and custom size systems are similar in their installation methods. Please contact FHC Technical Sales at transaction@fhc-usa.com or 888-295-4531 for specific information not covered in this guide.

Parts List

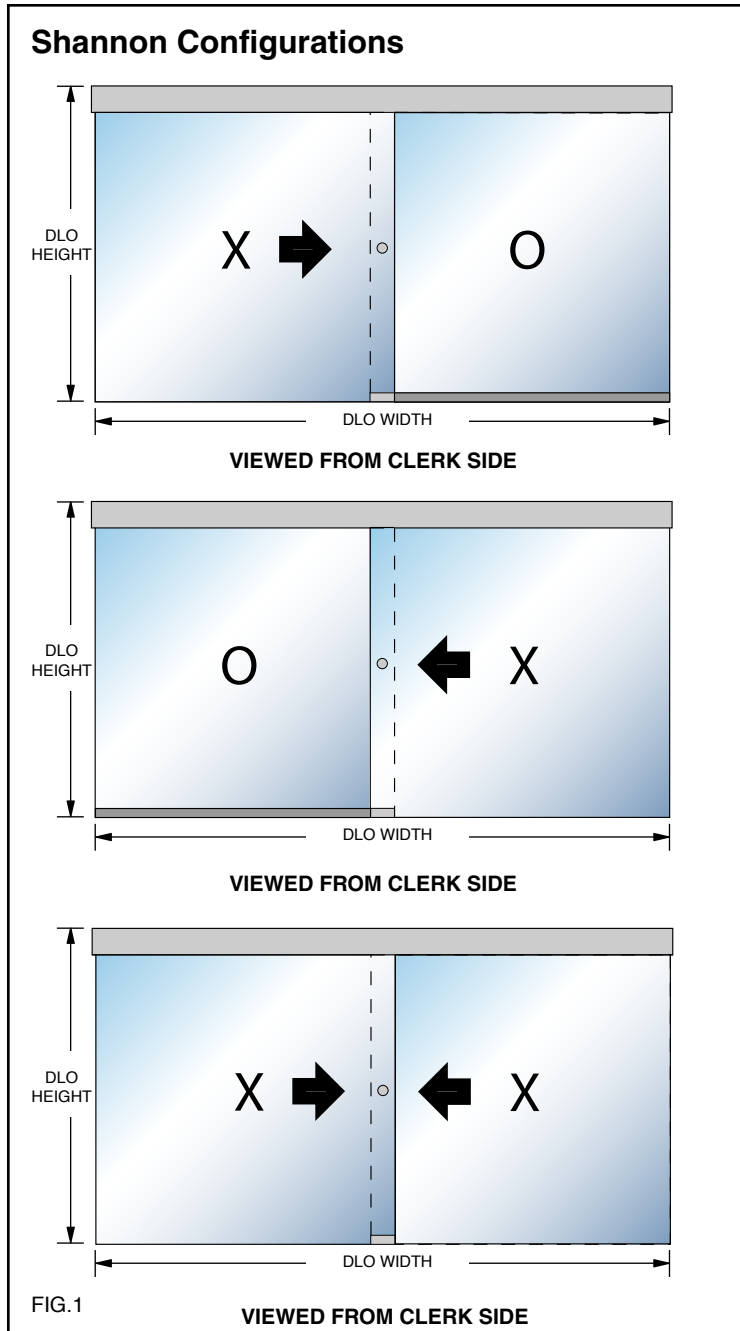
			
SN2412 Overhead Track	CDKR1 Clamp-On Roller Assembly With Plate (2 Per Sliding Panel)	SN2612 Fixed Lite Header Insert	OD631 Bottom Rail With CSB125 Setting Blocks (For Use With OX, XO Models Only)
			
KL49 Push Button Glass Lock	KL50 Locking Push Button Glass Lock (Optional)	KL51 Sliding Glass Strike	SN281 Outer Guides
<ul style="list-style-type: none"> FHC Shannon Kits are available with or without 1/4" Tempered Glass. Standard Finishes: "BA" Bright Anodized "DU" Dark Bronze Anodized "SA" Clear Anodized Custom configurations available. Silicone Sealant Required (Not Supplied) 			
	FHC778 Plastic Glaziers Stick (For Use With OX, XO Models Only)	SN425 Inner Guide	CB200PK Clear Protective Bumpers

Illustrations are not to scale.

Shannon Sliding Glass Configurations

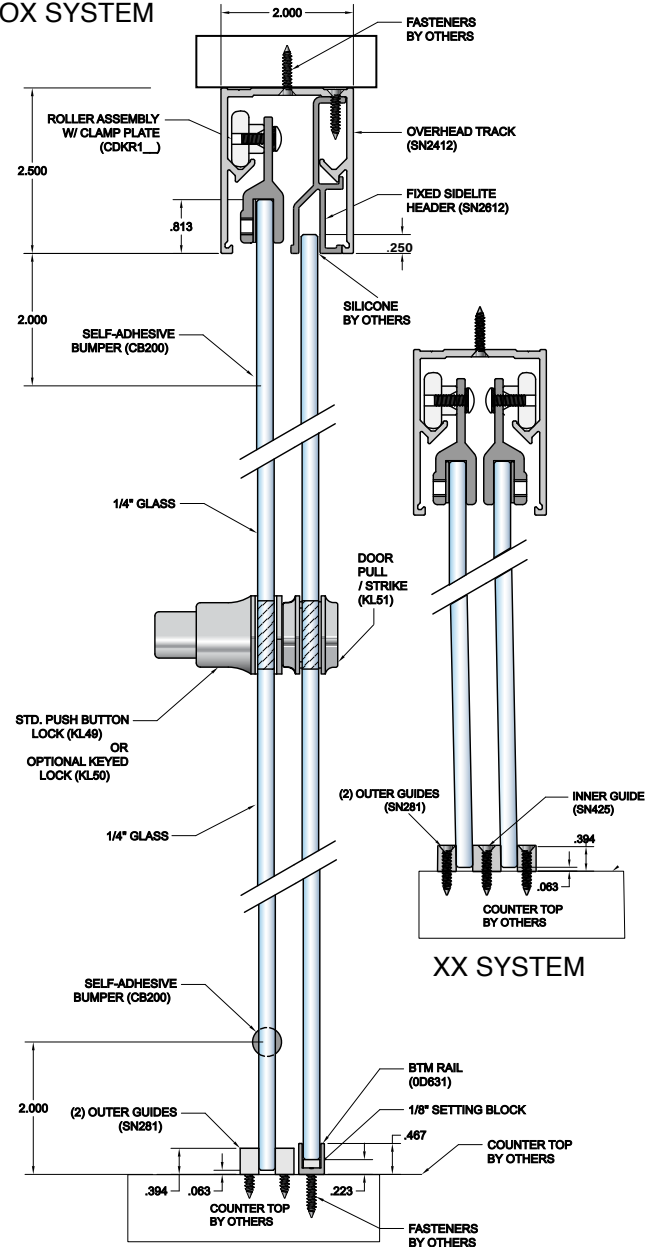
Below are the three standard window configurations for Shannon Pass-Thru windows for 36" X 48" and 48" X 48" systems with 1/4" tempered glass (**Figure 1**) as viewed from clerk side.

(**Figure 2**) shows the general parts placement for XO, OX, and XX systems.



Glass Size Calculations (per panel)
 X Width = (DLO Width ÷ 2) + 3/4"
 X Height = DLO Height - 1-3/4"
 O Width = (DLO Width ÷ 2) + 3/4"
 O Height = DLO Height - 2-7/16"

XO SYSTEM OX SYSTEM



CLERK
SIDE

CUSTOMER
SIDE

Drawings and Illustrations are not to scale.

FIG.2

Shannon Top Track Fabrication and Installation

Top Track Installation for XX, XO, and OX Systems

XX Header Installation

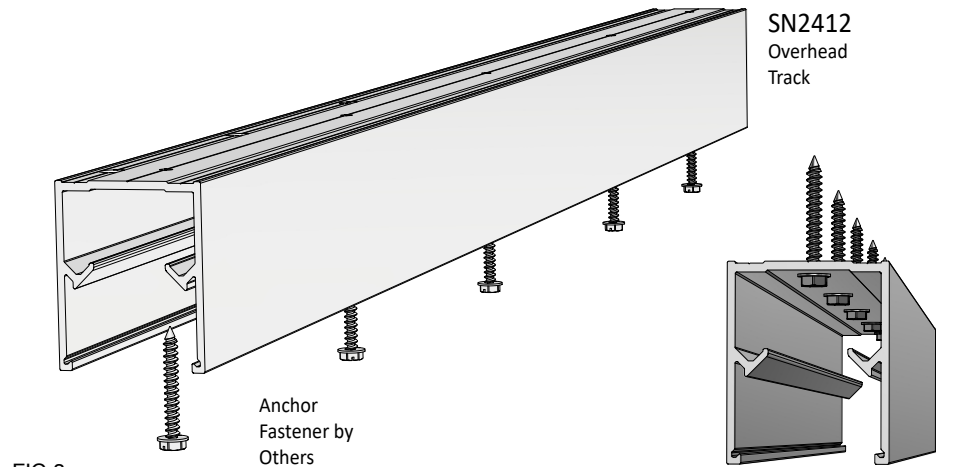
Cut the SN2412 over head track to the full width of the finished opening (-1/16).

Position the track in the opening as desired (**Figure 3**).

Use shims to level if required.

The top track must be level after installation to prevent glass panels from unwanted movement. Shims may be necessary. Attach with approved fasteners supplied by others. Caulk gaps at ceiling.

TOP TRACK FOR XX CONFIGURATIONS



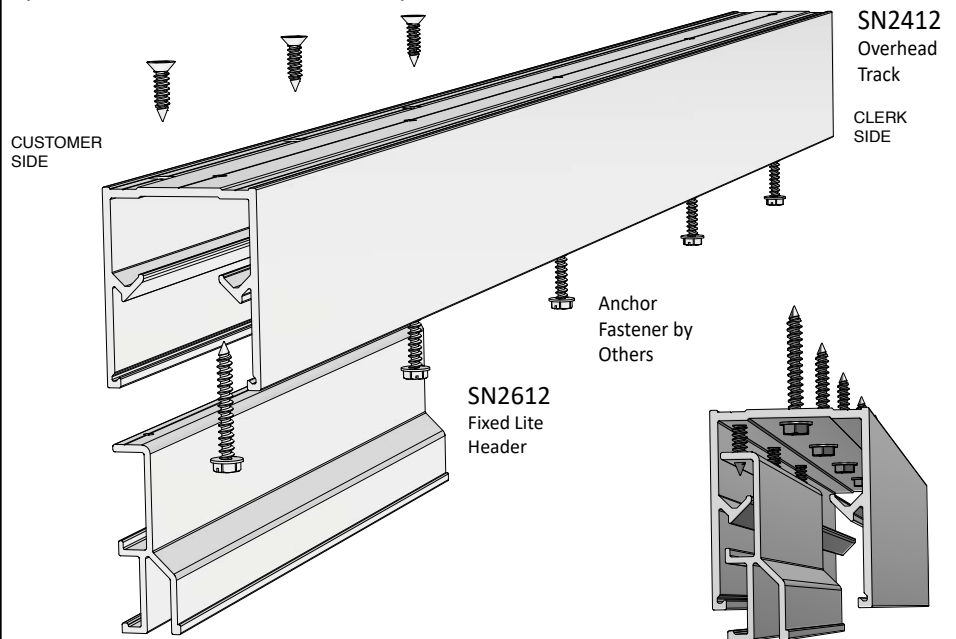
XO/OX Header Installation

Cut the SN2612 Fixed Lite Header to the same width as the Fixed Lite. Attach directly to the SN2412 Overhead Track as shown in (**Figure 4**).

Mount the complete track assembly using the XX steps above.

Helpful Tip: The SN2612 Fixed Lite Header is always installed on the customer side of the overhead track for maximum security.

TOP TRACK FOR XO/OX CONFIGURATIONS (OX shown as viewed from clerk side)



Cutting SN2612 Fixed Lite Header XO/OX

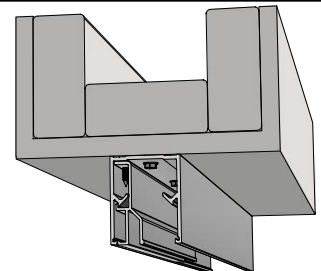
For 36" X 48" Systems - Cut to 19"

For 48" X 48" Systems - Cut to 25"

CEILING OR SOFFIT SUPPORT

Adequate ceiling support is required when installing the Shannon Pass-Thru window. This is especially true for the XX configuration as both glass panel's weights are carried by the SN2412 Overhead Track. Analyze the integrity of the ceiling and add support if necessary before installation.

FIG.5



Shannon Counter Top Guide Installation

Bottom Guide Installation for XX Configurations

XX Bottom Guide Install

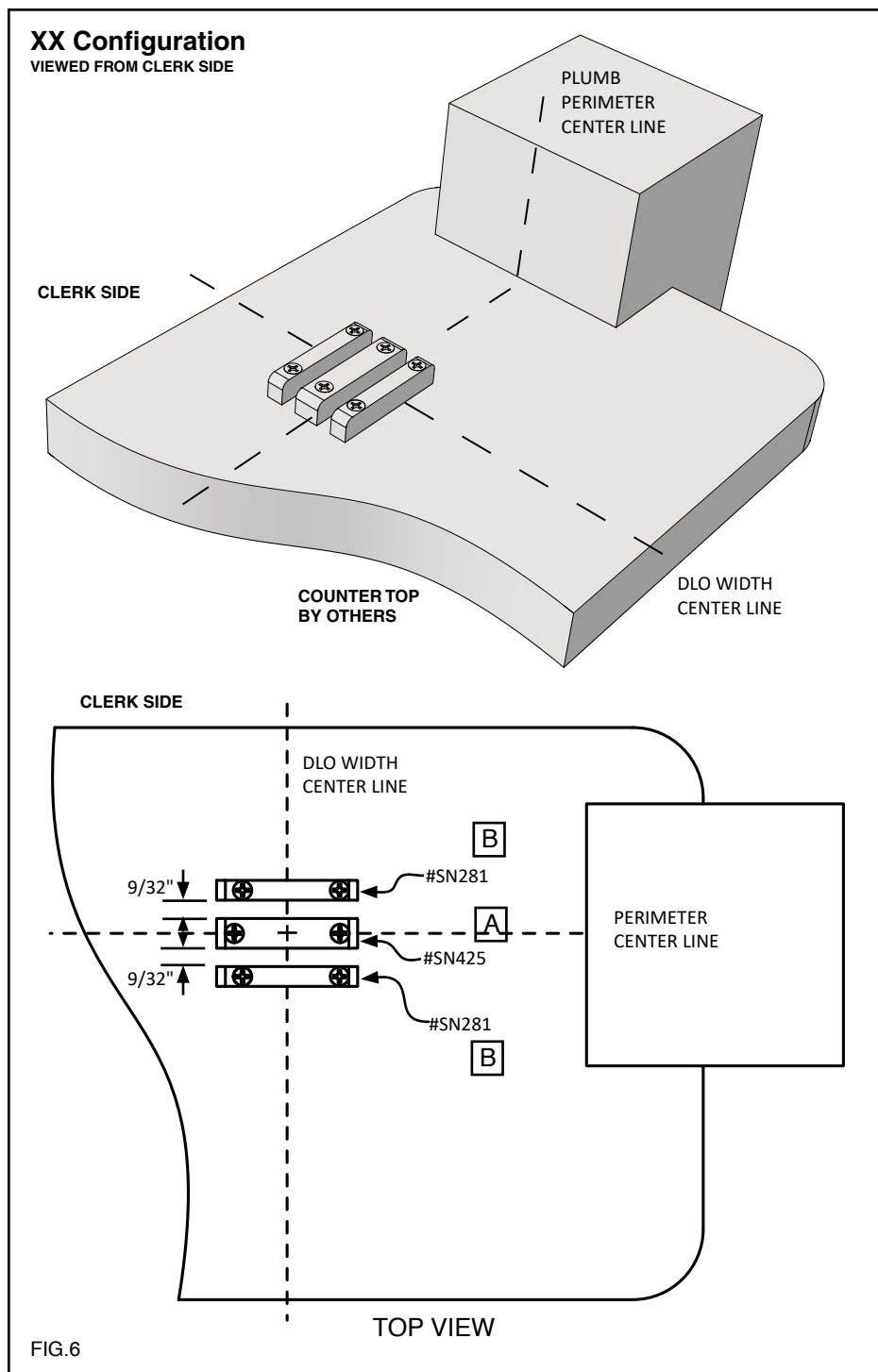
Prepare opening by marking the center lines for the perimeter and the width as shown. Plumb the vertical perimeter lines. Three (3) guide blocks will be mounted to the counter top using #6 X 1/4" flathead screws.

- (2) FHC #SN281 outside guide blocks.
- (1) FHC #SN245 center

Step 1: Install (1) #SN425 center guide on the indicator lines as shown using #6 x 3/4" flathead fasteners (**Figure 6**).

Step 2: Install (2) #SN281 guide blocks, one on either side, of the center guide using #6 X 3/4" flathead fasteners. Center guide should stay aligned with center marks. Allow a 9/32" gap between guides.

Note: A gap of 9/32" is shown to reduce binding of the 1/4" sliding glass panels. Avoid moving the guides as the fasteners are inserted by using a center punch/transfer punch to mark and pilot drill the starter holes.



Shannon Counter Top Guide Installation

Bottom Guide Installation for XO/OX Configurations

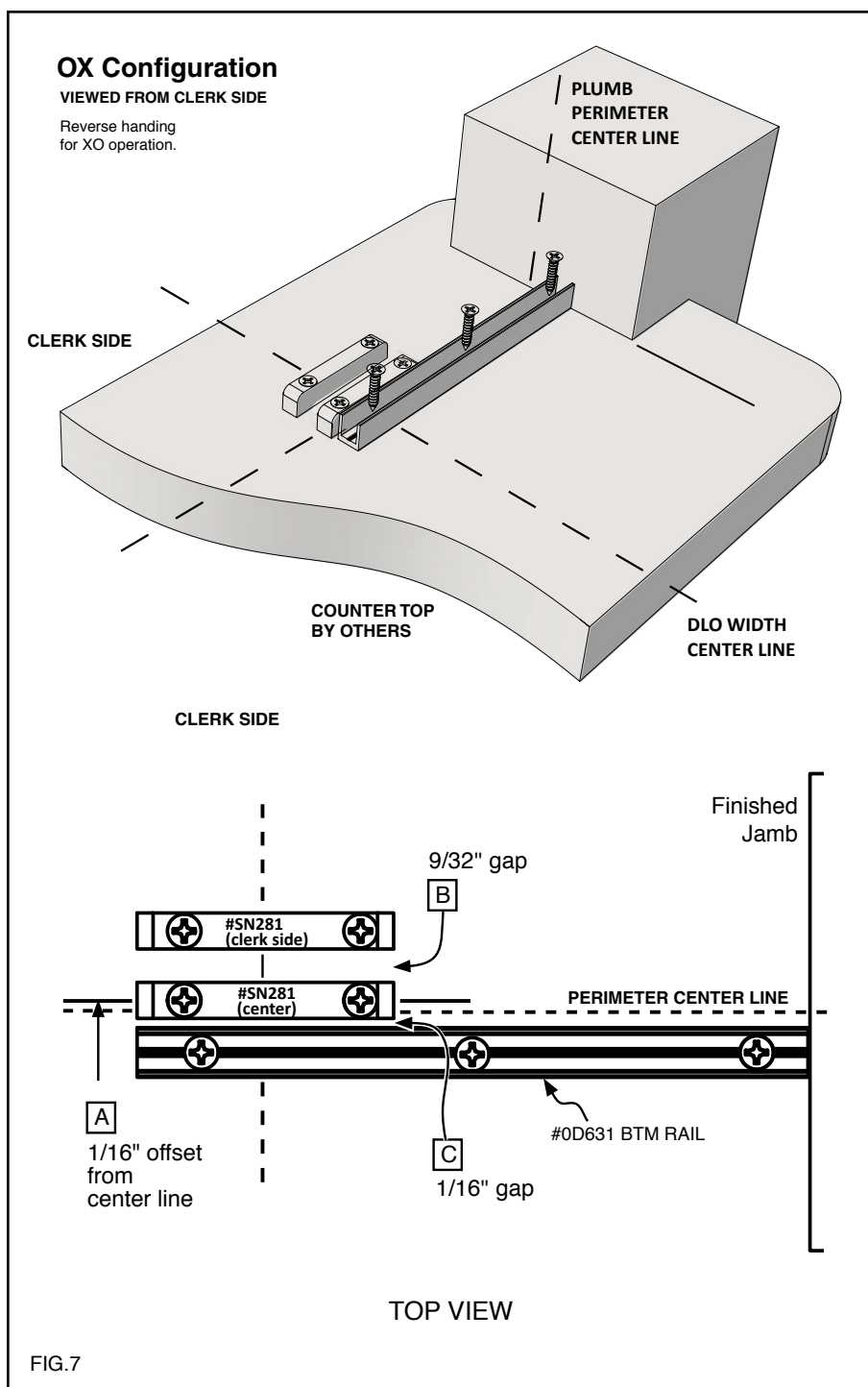
XO/OX Bottom Guide Install

Step 1: Install (1) #SN281 center guide offset 1/16" toward the clerk side as shown using #6 x 3/4" flathead fasteners (**Figure 7**).

Step 2: Install (1) #SN281 guide block on the counter, clerk side of the window, using #6 X 3/4" flathead fasteners. 9/32" gap between the two guides.

Step 3: Cut the #0D631 RAIL from the finished jamb to the end of the #SN281. Drill and countersink holes every 4"- 6". Mount the rail leaving a 1/16" gap and parallel to the #SN281 with #6 X 3/4" flathead fasteners.

Note: A gap of 9/32" is shown to reduce binding of the 1/4" sliding glass panels (**Figure 7**). Avoid moving the guides as the fasteners are inserted by using a center punch/transfer punch to mark and pilot drill the starter holes.



Shannon Sliding Glass Preparation

Top Roller Assembly and Installation

CDKR1 Roller Assembly

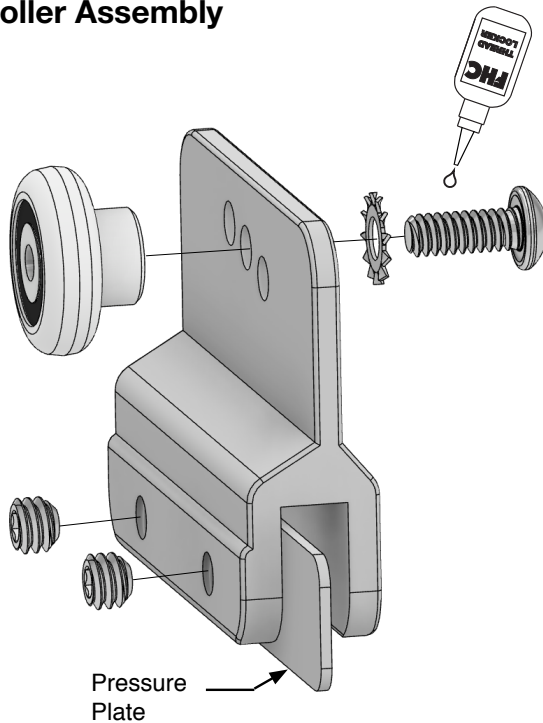


FIG.8

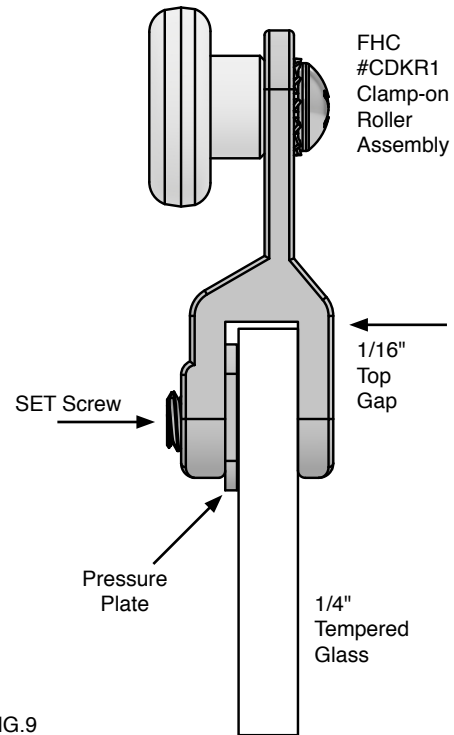


FIG.9

CDKR1 Roller Attachment

The FHC #CDKR1 Clamp-on Roller Assembly is designed to attach to 1/4" glass using a steel pressure plate (**Figure 8**).

Step 1: Slide the roller assembly onto the top glass edge with the correct orientation and 2" from each glass edge (**Figure 10**).

Step 2: Insert the steel pressure plate between the glass and the set screws and hold in place while following Step 3.

Step 3: Adjust the roller assembly on the glass to give a 1/16" gap at the top (**Figure 9**).

Step 4: Tighten the 1/4"- 20 X 3/8" set screws evenly on one roller at a time until each can support the weight of the entire panel without slipping.

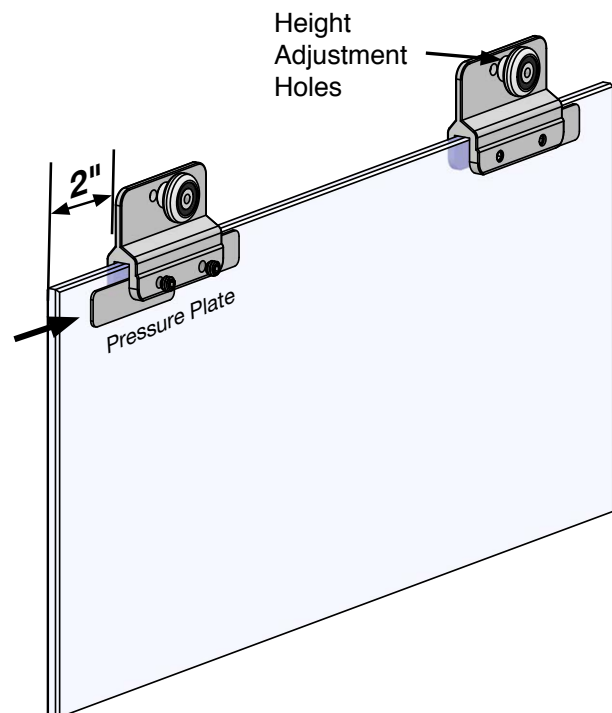


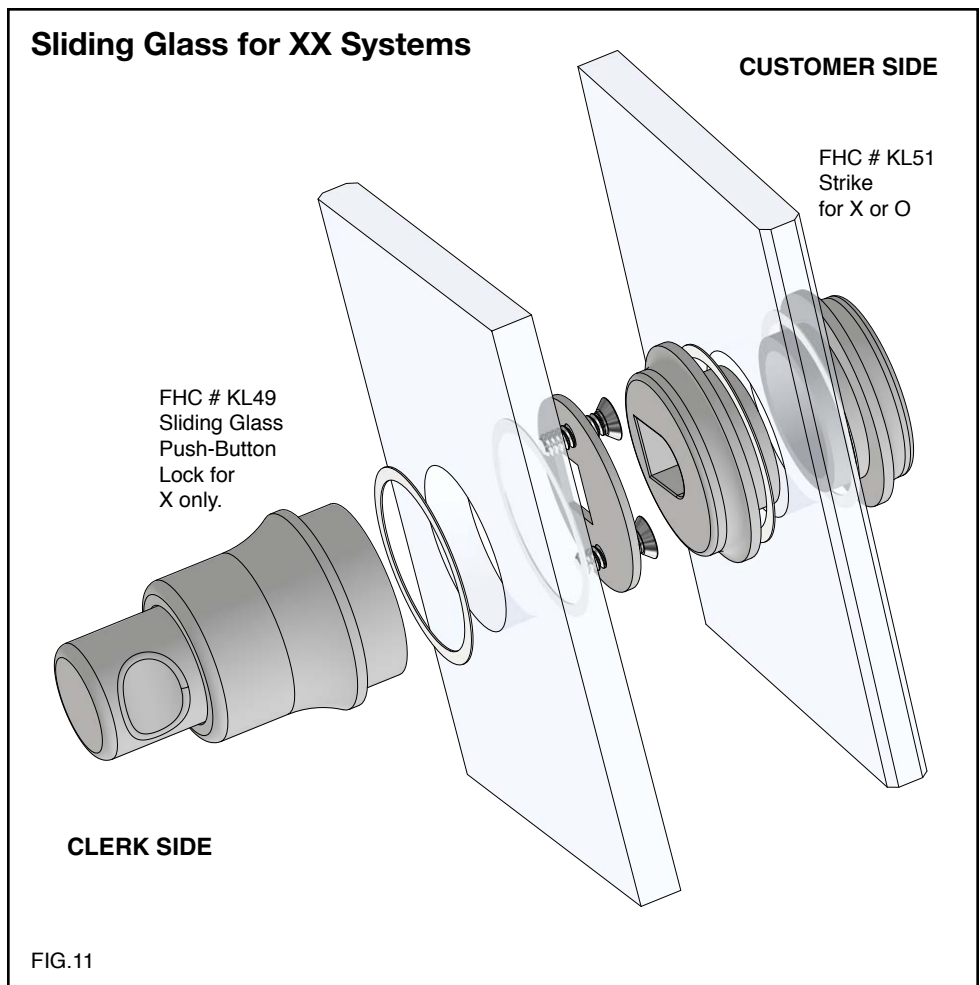
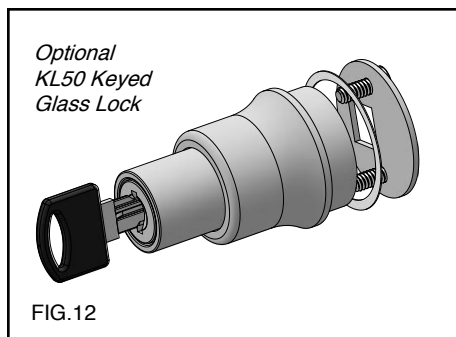
FIG.10

Shannon Sliding Glass Preparation

Sliding Glass Lock Installation

Window Lock Installation

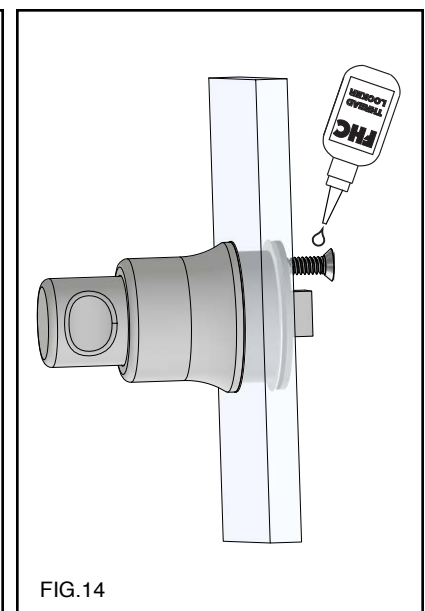
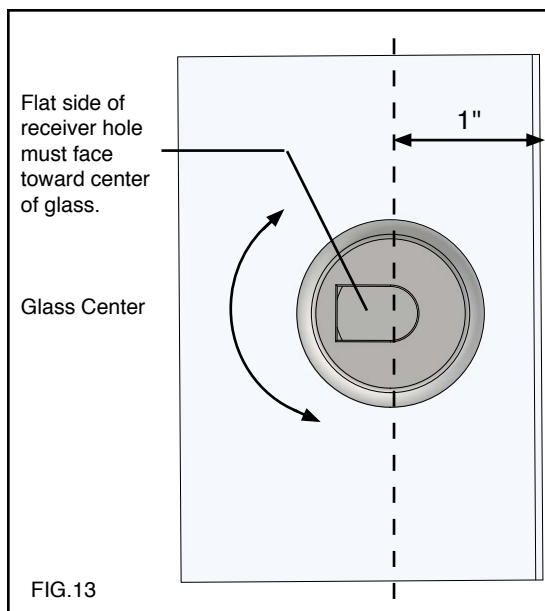
The FHC # KL49 Push Button Lock requires a 1" diameter hole and is always installed in the X operational sliding glass panel facing the clerk side. The KL51 Sliding Glass Strike may be installed on the X panel for XX systems or O panel for XO/OX systems. For example, an XO system requires the strike to be in the O fixed panel (**Figure 11**). After both sliding glass panels are installed, adjustments may be made in both the lock and strike hole alignment for optimum engagement. For a higher degree of security, use the optional FHC #KL50 Keyed Sliding Glass Lock (**Figure 12**). Installation requirements are identical for both.



Adjustments after glass is installed

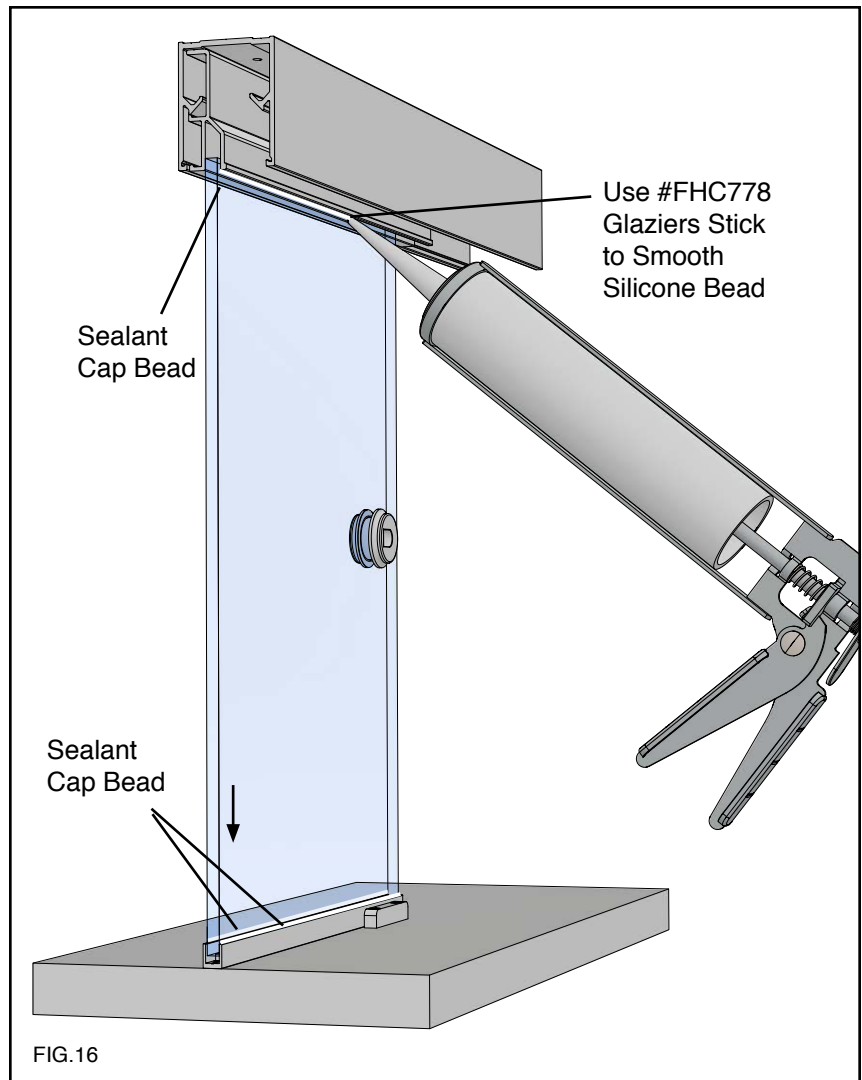
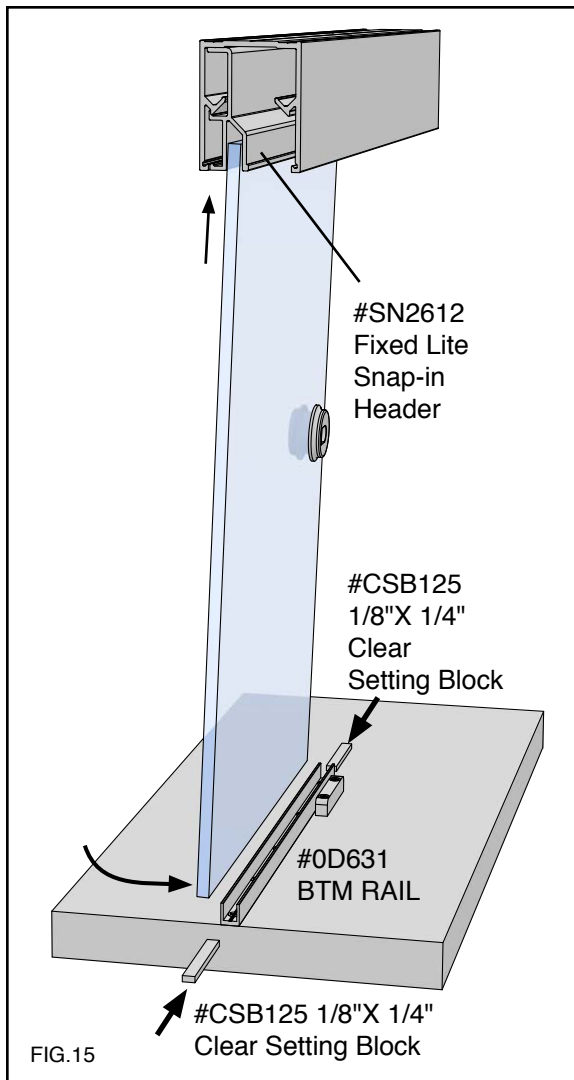
Position #KL51 Strike until the flat side of receiver hole is facing the center of sliding glass panel (**Figure 13**). Tighten female cap while holding the position (**Figure 11**).

Turn the #KL49 push-button lock body until the throw aligns with the strike and tighten the flathead screws. Test again. Loosen one screw at a time, taking care not to move the lock position, and add a drop of thread locker to each. Test again and make final adjustments before thread locker sets (**Figure 14**).



Shannon Fixed Glass Installation

XO/OX Fixed Glass Lite Installation

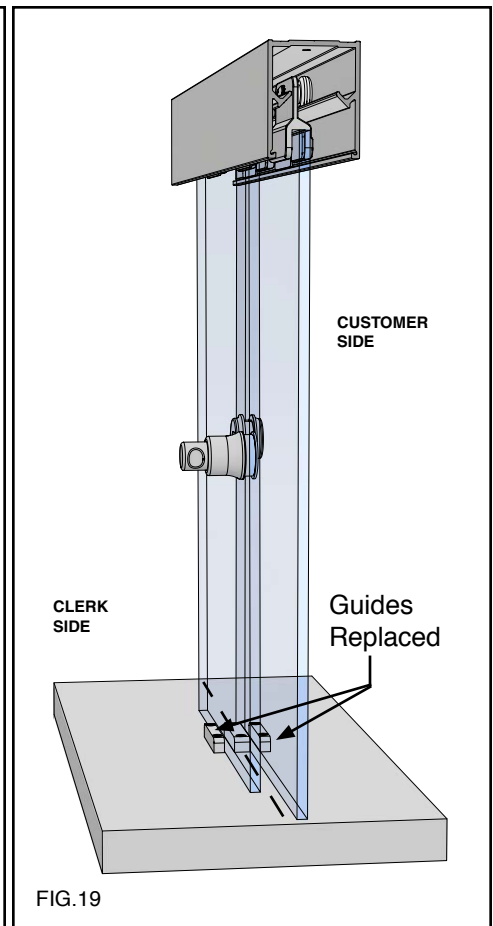
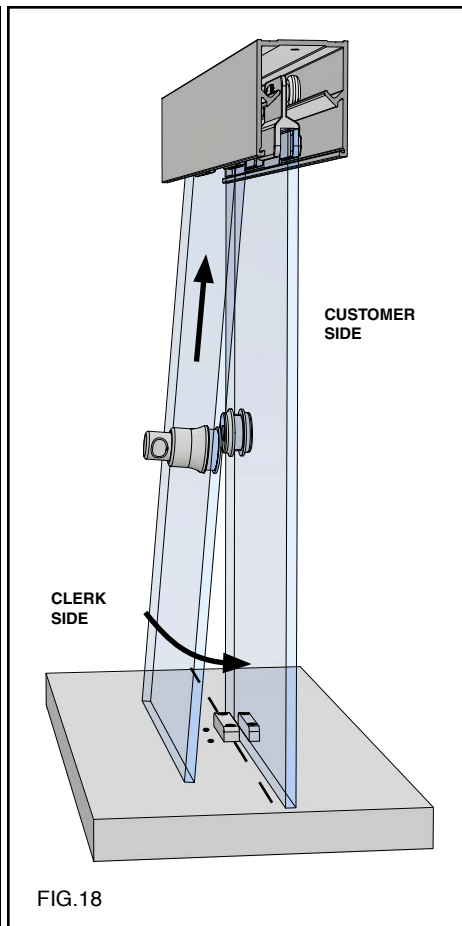
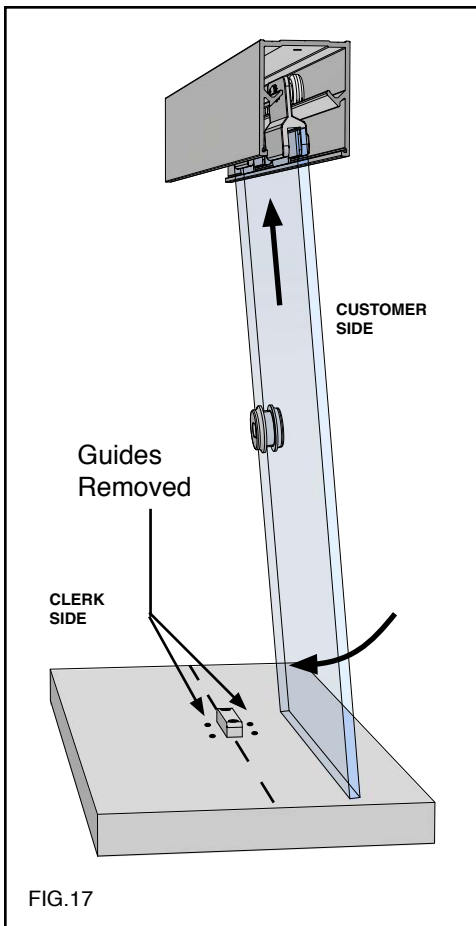


FHC SHANNON XO/OX FIXED LITE INSTALLATION

The Shannon Pass-Through fixed lite requires the #0D631 Bottom Rail mounted securely to the existing counter top with #6 X 3/4" flathead fasteners as shown in **(Figure 15)**. Insert the fixed lite up into the #SN2612 Fixed Lite Header and drop down into the fixed bottom rail on (2) #CSB125 1/8" X 1/4" X 2" Setting Blocks **(Figure 14)**. Apply clear cap bead of sealant to the top and bottom edges to hold the fixed lite in place **(Figure 16)**. Tool and remove excess sealant. Proceed to install the sliding panel(s) as per instructions on the next page.

Shannon Sliding Glass Installation

XX/XO/OX Sliding Glass Installation



FHC SHANNON XX GLASS INSTALLATION

Remove the two outside guides, #30BLOCK, from the counter top surface and set aside (**Figure 17**).

Insert the sliding glass panel with the #KL51 Strike attached into the #SN2412 Top Overhead Track. Hook all rollers on the front track and test the window by sliding it from one side to the other (**Figure 17**). Insert the clerk-side glass panel into the top track and hook the rollers. Swing bottom of panel in and replace both #SN281 guides (**Figure 18 and 19**).

Test for both panels for smooth slide. If the panels are too low, and hitting the counter top, they may be adjusted at the top roller bodies by changing the rollers to another hole.

After adjusting the panel heights, the lock and strike must be aligned for proper operation. The 1" hole will allow some adjustment in the lock and strike position. Tighten securely when complete.

