

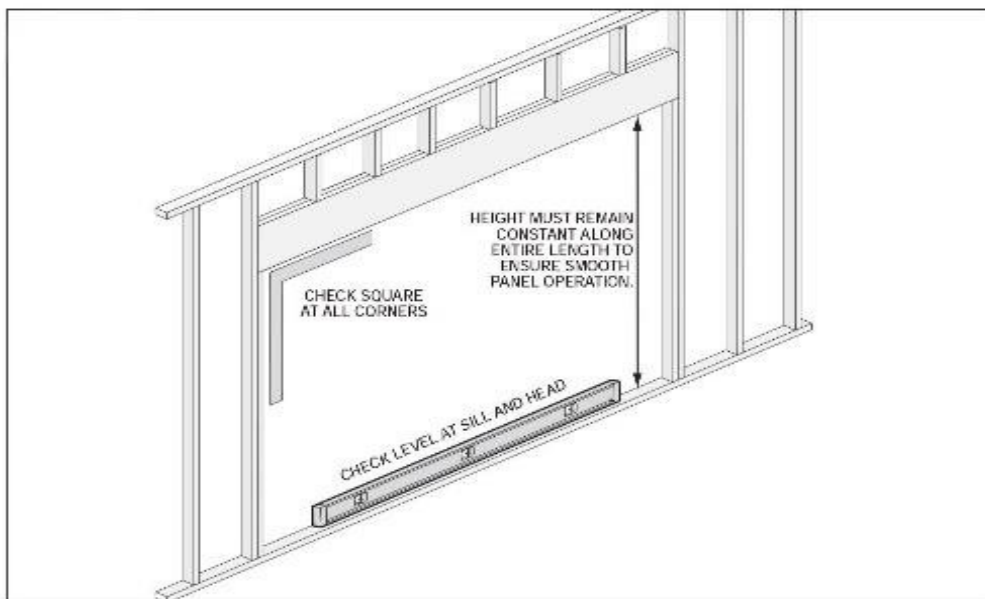


The following guidelines are for typical installations into prepared openings. If you have a non-standard application, substrate, or detail please contact your Custom Window Systems, Inc. representative.

Not all Sliding Glass Door types may be installed into every wall condition in all areas. It is your responsibility to review with local building codes for applicable regulations. Local building code requirements may supersede recommended installation instructions.

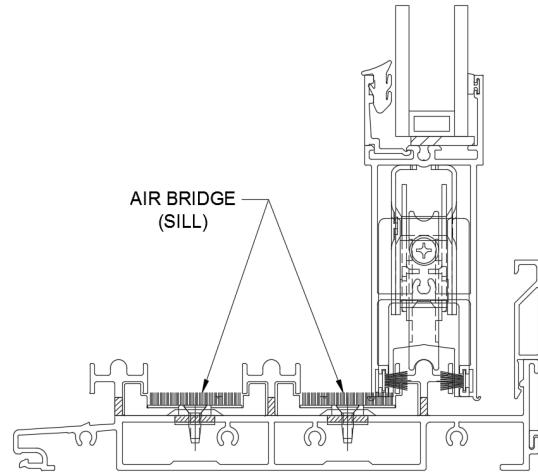
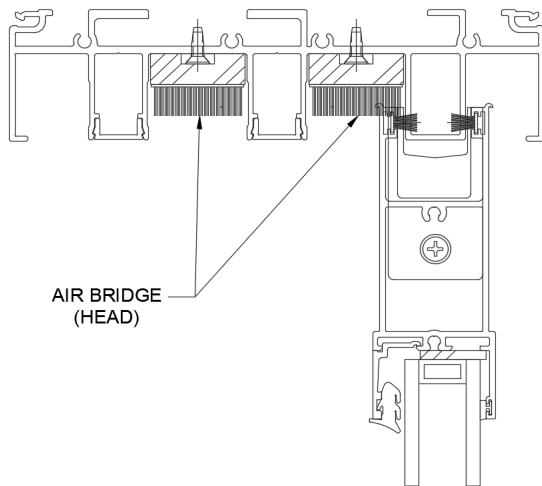
Required Tools	Component Check-List
LEVEL 4' AND 6' SUGGESTED	OUTER MAIN FRAME (JAMBS-HEAD-SILL)
TAPE MEASURE	KIT FRAME SCREWS FOR MAIN FRAME ASSEMBLY
CAULK GUN	FRAME FILLER STRIPS (VARIES BY DOOR STYLE)
HIGH PERFORMANCE SEALANT	HANDLES
DEAD BLOW Mallet	DOOR BUMPERS
STRINGLINE- HEAD, SILL, JAMBS SCREW	SILL RISER (REQUIRED FOR WATER WARRANTY)
GUN AND HAND SCREWDRIVER (#2 & #3)	HEAD COVER
UTILITY KNIFE	FIXED PANEL CLIPS (IF APPLICABLE)
SQUARE	FIXED PANEL SUPPORT (IF APPLICABLE)
	FIXED PANEL CLIP COVER (IF APPLICABLE)

1. This installation guide is for the 380-3800 Series Sliding Glass Door. This installation guide does not cover the waterproof barrier to structure. Always have a copy of the Florida Product Approval to reference fastener size and type, fastener embedment, fastener edge distance and fastener placement. (Florida Product Approval) Available at <https://floridabuilding.org>
2. Sealing and flashing strategies for overall water resistance of installation shall be done by installer or others following the current version of referred documents FMA/AAMA 100 (Fin Windows), FMA/AAMA 200 (Flange windows), FMA/AAMA 250 (Boxed windows), FMA/AAMA 300 (Exterior doors).
3. The panel designation X and O stand for the following X= operable panel O= fixed panel. Panel designations such as "A" "B" "G", etc. are designations for panel placement as viewed from outside. Follow the panel layout on shipping labels for proper panel placement.
4. Always check frame measurements to the opening measurements also check for plumb level and square of opening.

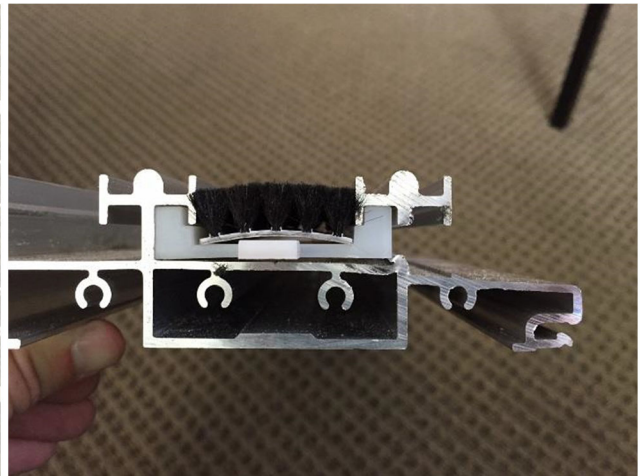


5. It is the responsibility of the customer to inspect all material for condition and accuracy prior to installation. In the event of damage or missing parts contact Custom Window Systems, Inc. or CWS Dealer immediately.
6. It is the responsibility of the installing contractor to follow installation guidelines and details in accordance with testing and product approvals. Please refer to engineering details for proper fastener type, dimension, and spacing.
7. SHIMS MUST BE LOCATED AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. (WOOD SHIMS ARE NOT ALLOWED)

8. 380-3800 Series Sliding Glass Door are shipped knockdown. Sill, jambs, and head must be assembled before installing the frame into the opening. Please perform steps 9 – 11 prior to frame assembly.
9. Air bridges must be inserted in sill prior to assembling frame (Kit Pack K-5480). You will need to slide them in place on track after panels are installed and adjusted you will permanently mount in the air bridges to the sill, at each interlock, with #8 x 5/8" flat head screws included. Sealant must be applied at all attachment points.

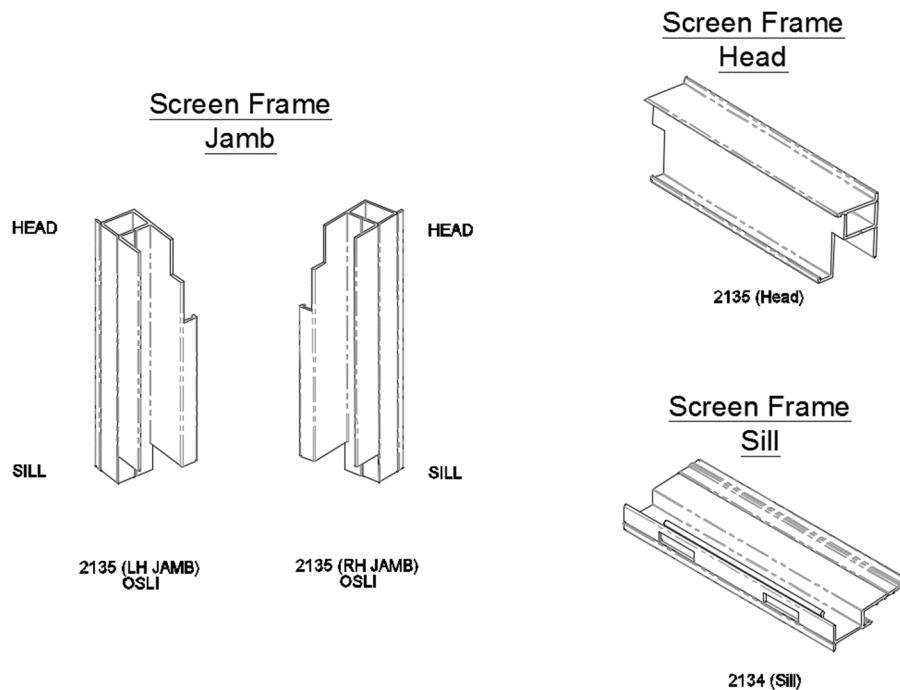


Head (Kit Pack K-5481)

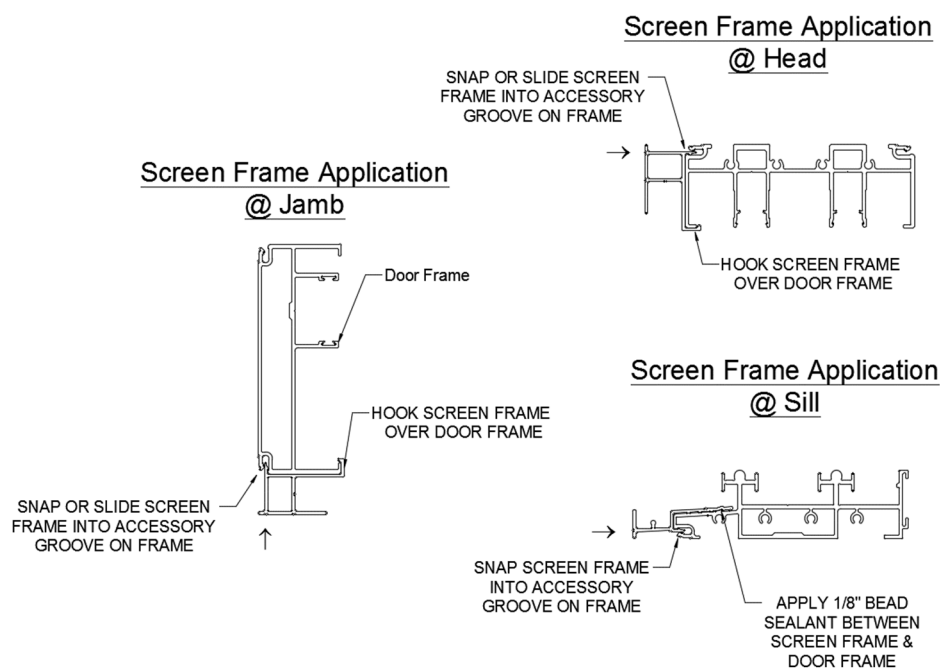


Sill (Kit Pack K-5480)

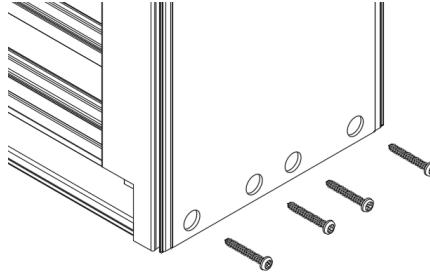
- 10. Note:** If a single track screen was ordered, it is recommended to attach the screen frame profiles to the door frame profiles prior to assembling the door frame. Verify the screen frame notching orientation prior to attaching to door frame to insure correct installation (see illustrations below). (If the door configuration is an OXO, please see section 28 for location of screen astragal & frame.)



- 11.** The screen frame jambs can be slid onto the door frame profiles from the end, or can be snapped onto the door frames by hooking the channel section over the door frame and using a non-marring dead-blow mallet to snap the screen frame jamb profiles into door frame accessory groove as shown below. Similarly, attach the screen frame head to the door frame head. Finally, apply a 1/8" bead of sealant to the underside of the screen frame sill and snap into the accessory groove of the door sill.



12. Frame Assembly: Once all air bridges and screen profiles have been attached to the frames, the frame is ready to be assembled. Check to ensure frame gaskets at head & sill of jamb are in place prior to assembly. Apply sealant at all attachment points. Install fasteners (Kit Pack 4138K22 - #10 X 1.25" pan head screws, included) into screw boss at jamb bottom and jamb header, It is recommended to place each corner of the frame on a support structure while mechanically fastening the frame to avoid unnecessary finish damage to frame. Do not over tighten frame fasteners in screw boss.



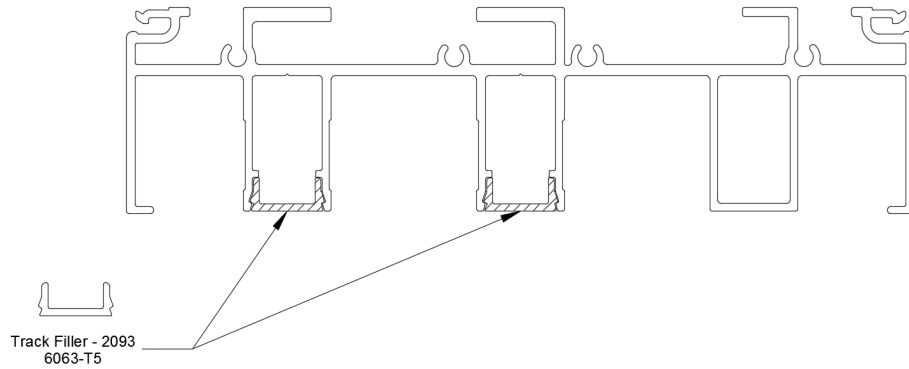
13. Sill needs to be level with maximum 1/16" gap under level or straight edge. If larger, you will need to apply shims at attachment points. It is highly recommended all doors are installed into a recess in the concrete of 1-1/2" minimum depth to aid in the prevention of water intrusion.

14. After main frame is assembled, dry fit 380-3800 Series Sliding Glass Door frame, mark and drill installation holes located on sliding glass door frame. In some applications additional installation holes may be required. It is very important to determine reveals, both interior and exterior, at this time. Any further protrusion will not allow proper fastener installation. After dry-fitting remove frame and clean all surfaces before installing frame to eliminate any water intrusion under frame. (Refer to anchor details <https://floridabuilding.org> for required type edge distance.)

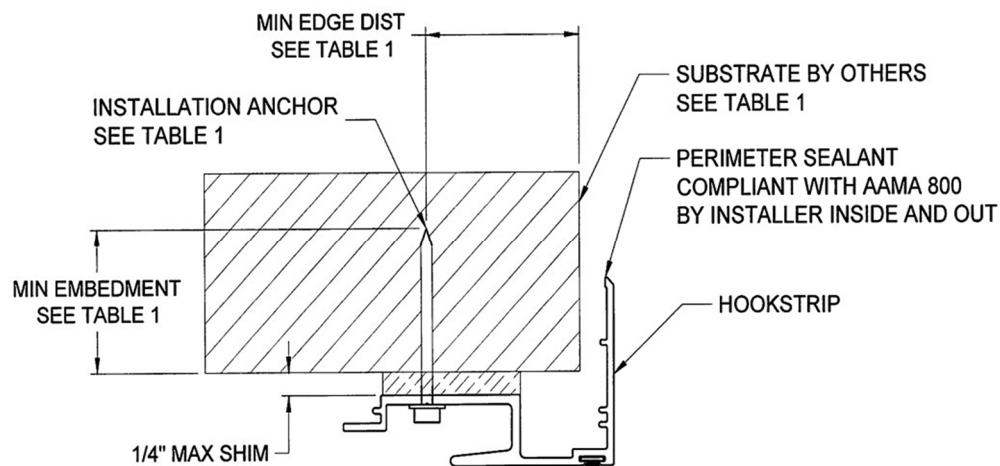
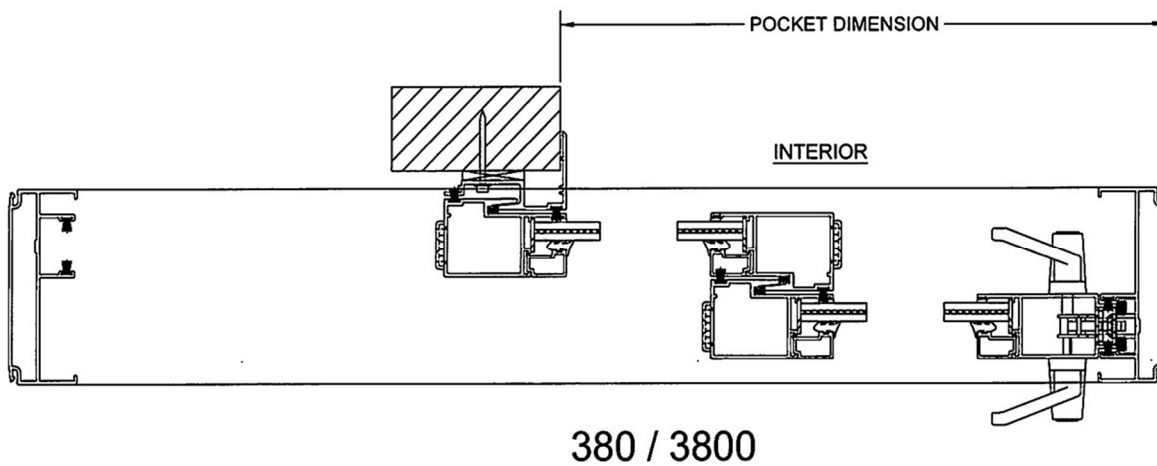
15. Apply three, 3/8" beads of high quality sealant to the entire length of sill and 12 inches up each side on the substrate. It is good practice to clean frame with isopropyl alcohol to achieve proper adhesion to frame to substrate. Must apply small amounts of sealant at each and screw penetrating at sill locations.

16. Set frame in opening and shim as necessary to make frame plumb, level, and square. Shim behind all frame jamb and header installation screws and near mortise keeper to prevent frame from distorting when installation screws are tightened. It is recommended to pull string lines horizontally, vertically, and diagonally across the frame prior to final setting of fasteners to ensure level, plumb and square. Fasten with appropriate concrete anchors or wood fastener based on substrate.

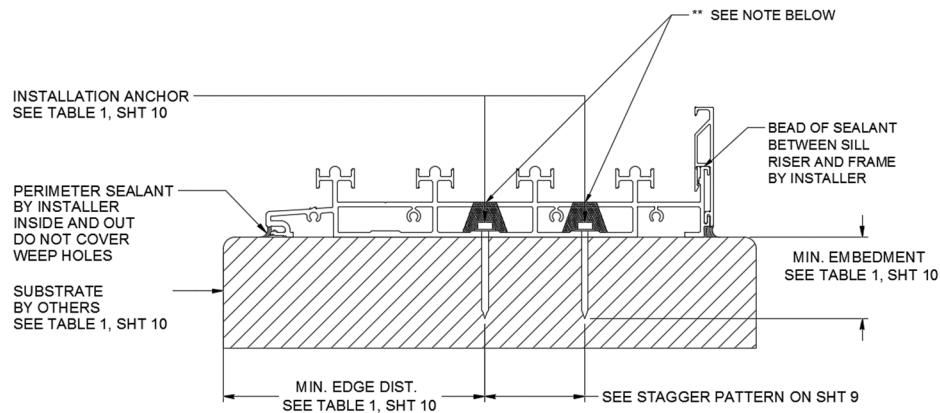
17. Track filler (# 2093) to be installed in frame head after anchors are installed and building department has inspected fasteners.



18. (Pocket Door Installation) Installer will determine hook strip placement by taking measurements from outside of frame jamb to inside of hook strip as shown in diagram below for pocket dimension. Pocket dimension may be obtained by original order of daylight opening.



19. 380-3800 Series Sliding Glass Door sill track is a one-part system. Install fasteners in sill. Apply bead of sealant between high-rise sill and frame before attaching high-rise adapter. Slide the adapter onto the rise of the sill. Using a rubber mallet tap high-rise adapter in place. Installer must seal all anchor penetrations in sill also applying a cap to sill fastener with sealant.



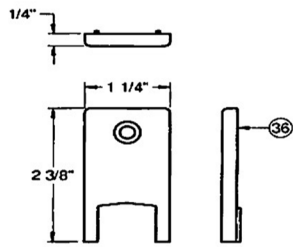
**** Note:** After anchor inspection, Sill anchor holes must be completely sealed to prevent water from entering the sill anchor chambers. Silver Hole Plugs (5588SL) to be installed in Sill anchor holes after anchors are installed and building department has inspected fasteners.

20. When installing door panels, insert head of panel fully into frame first, and then set down onto sill frame track. **Note:** It is recommended to adjust rollers out to their extended positions prior to installing panels. Always use a #3 hand screwdriver when adjusting rollers.

21. Adjust all panels for smooth operation and consistent reveal. Panel adjustment holes will be facing to the outside. (Screw guns can strip the adjustment screws and therefore are not recommended, utilize a #3 hand screwdriver). To raise panels, pick up the panel at the edge to relieve the weight pressure on the rollers.

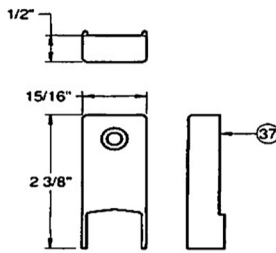
22. Panel guides must be installed after panel is installed in opening referred to pictures below.

Kit Pack K-5482
(w/#10 x 1" PH FL)



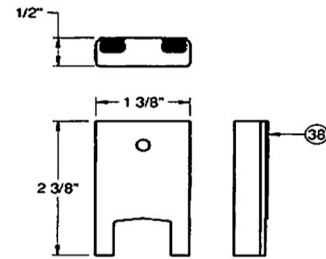
Panel Guide, Interlock - P-5482

Kit Pack K-5483
(w/#10 x 1" PH FL)



Panel Guide, Lock Stile - P-5483

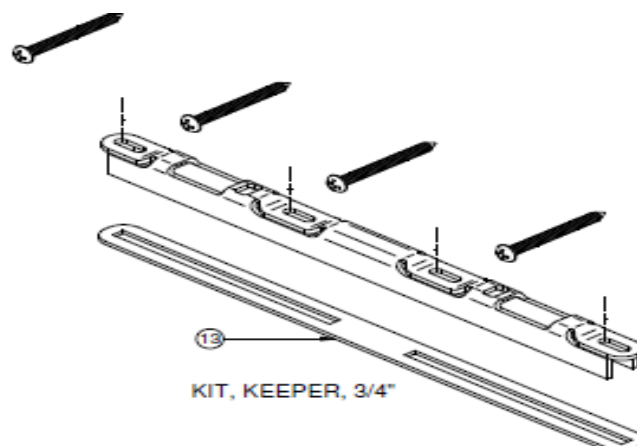
Kit Pack K-5484
(w/#10 x 1 1/4" PH PN)



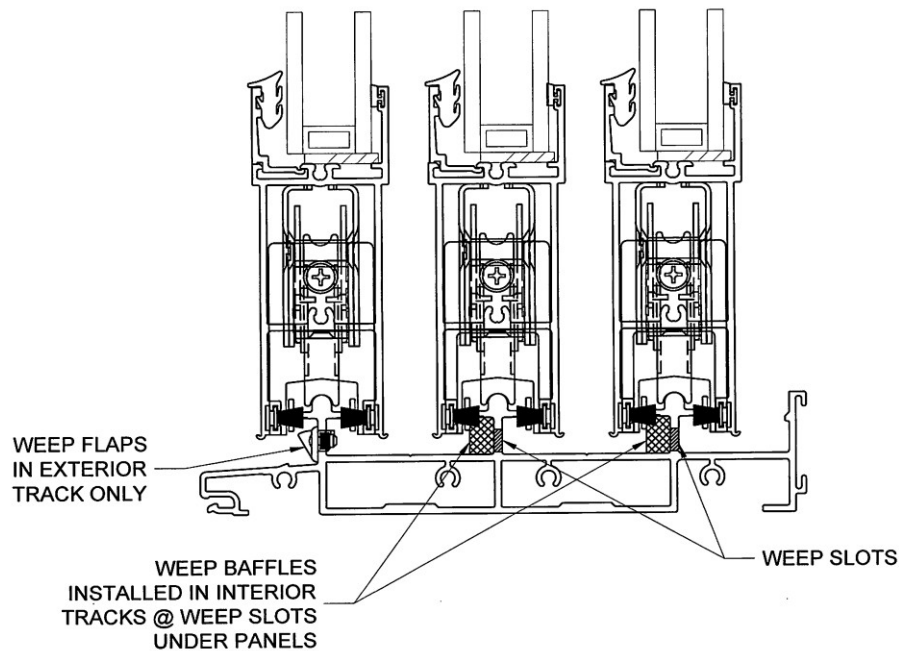
Bumper/Panel Guide - P-5484



23. Once the panel is installed and adjusted then install metal Lock Keeper (Kit Pack K-3792 - w/#10 x 1 1/4" PH PN screws).

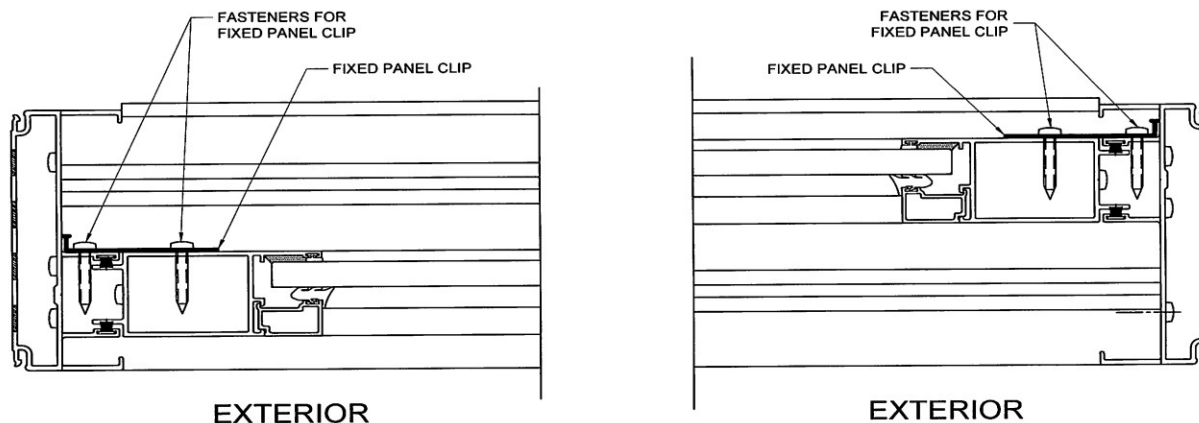


24. Weep baffles are used to fill weep slots directly beneath panels with the panels in the closed position.
(Refer to details below)

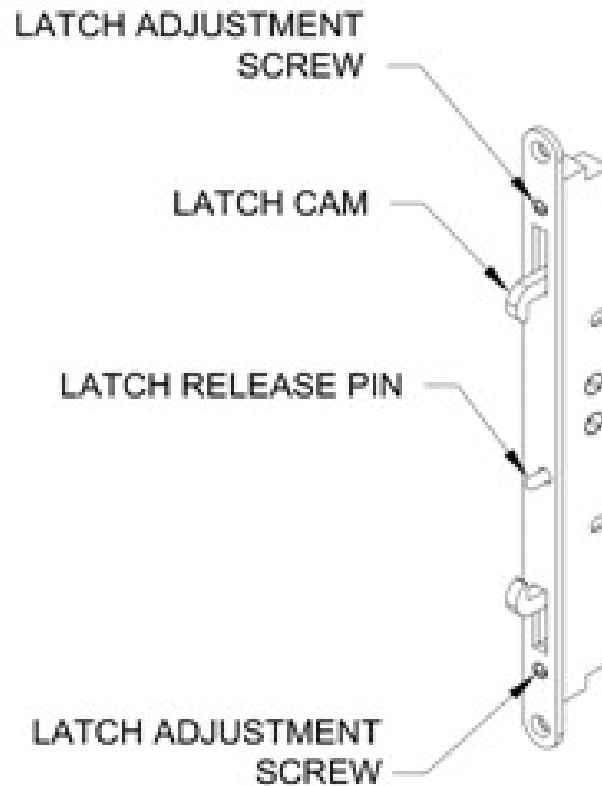


25. Fixed Panel Clips (Kit Pack K-5569 – w/#10 x 1 ¼" PH PN screws and ½" dia hole plugs) must be 28 inches from top and bottom of panel, maximum. (*Important note) When installing handle hardware and keeper, **lock panels in place first**. Then install fasteners into sliding glass door panel through fixed panel clips. If door configuration contains fixed panels **DO NOT** install Fixed Panel Clips until lead panel and interlock panels have been adjusted and locked.

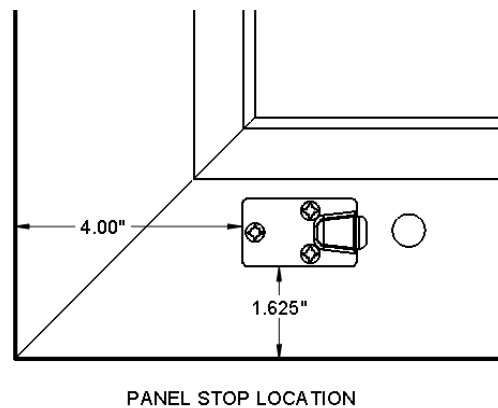
Fasteners attaching fixed panel clip.



26 Installer may need to adjust mortise lock hook by screwing the adjustment screw in or out.

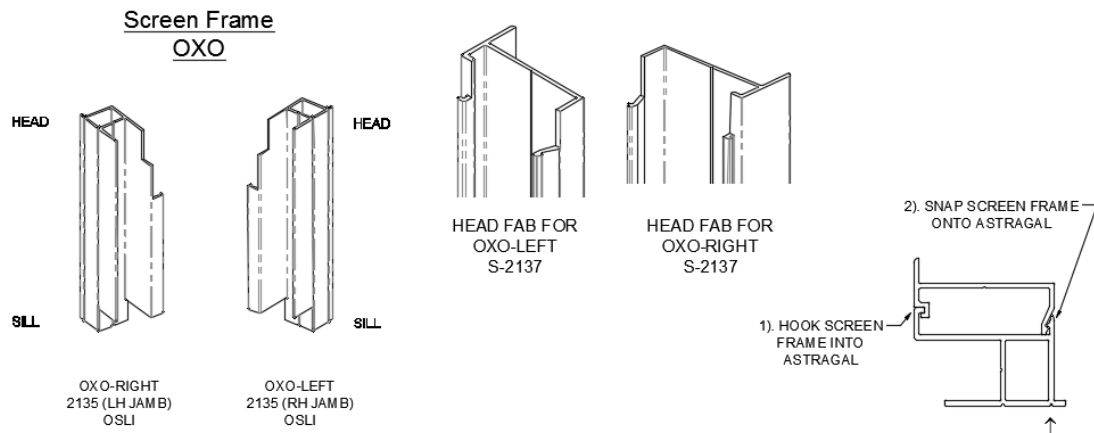
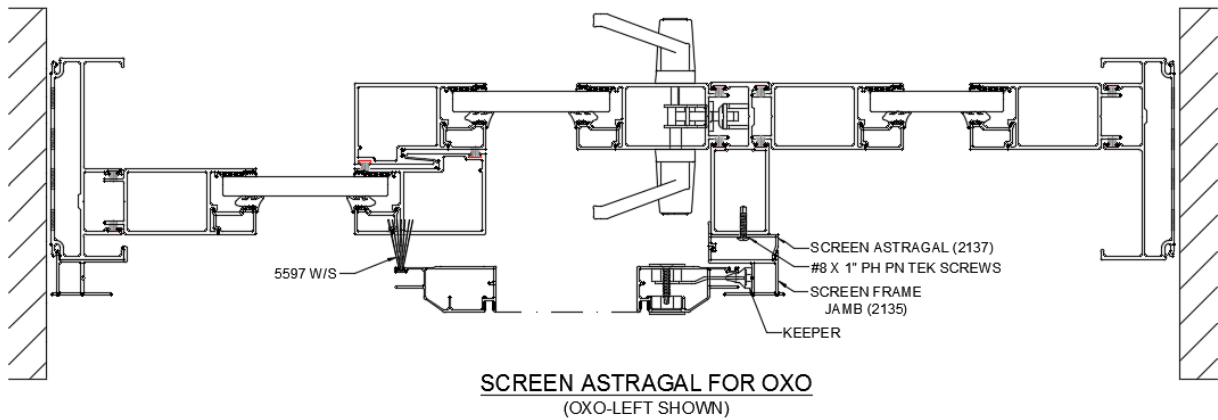


27 Panel stops (Kit Pack K-4332) will allow the door panels from making contact with the handle hardware. They may be installed at the bottom on the door panel below the glass bead.

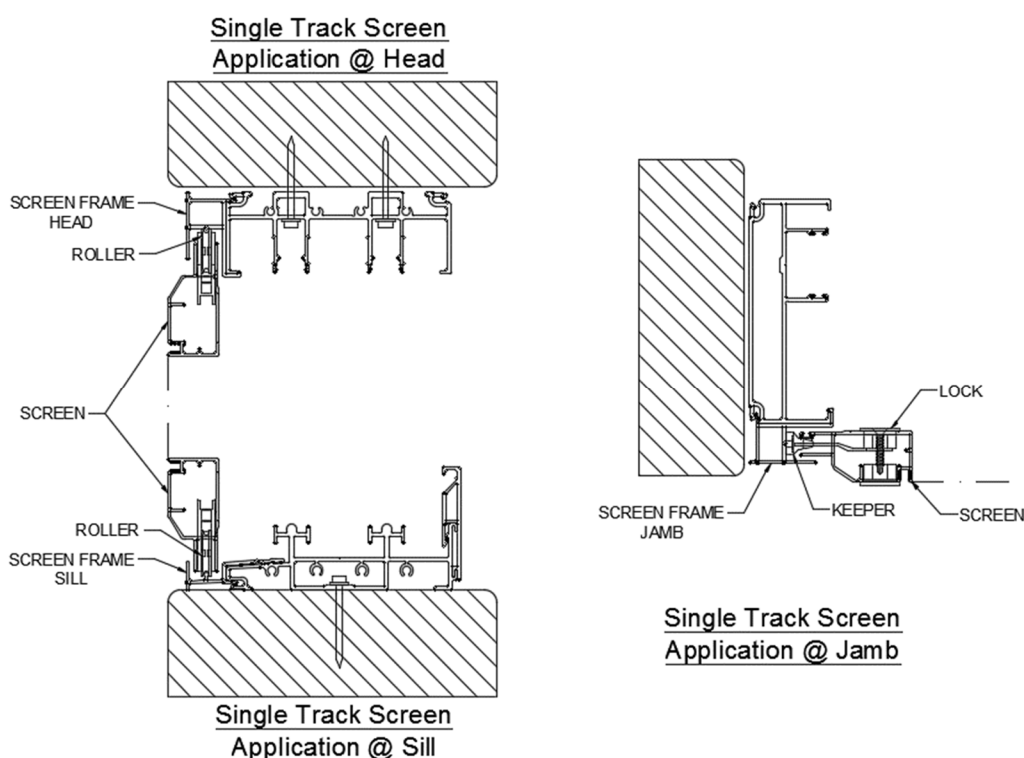


28 Screen Astragal for OXO Configurations:

- Locate screen astragal adaptor (2137) to door panel astragal as shown below. Align the head of the screen astragal with the head of the door astragal. Pre-drill evenly spaced anchor holes and attach to door astragal (as shown below) using (5) #8 X 3/4" pan head screws included in Kit Pack 3539-K5.
- Next, locate the correct screen frame jamb (2135) and hook the screen frame jamb onto screen astragal groove first, then use a non-marring dead-blow or rubber mallet to snap the screen frame jamb and screen astragal parts together (see below).

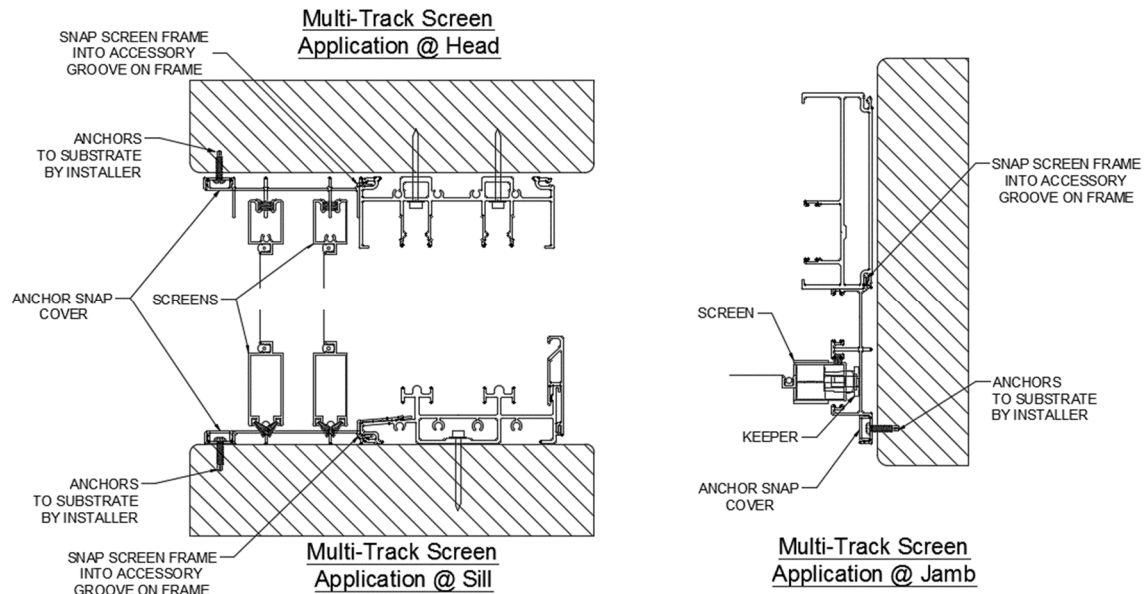


- 29 Single Track Screen:** (See Step 11 for the installation of the single track screen frame.) Install screens per the configuration ordered by inserting the screen head into the screen frame first then use a putty knife under the screen sill to compress the rollers and lift it over the screen frame. Once installed, adjust bottom rollers using a flat head, hand screwdriver (counterclockwise on left roller and clockwise on right roller) to raise and level the screen. Next, adjust top rollers at the head of the screen to contact the screen frame head (clockwise on left roller and counterclockwise on right roller). (**NOTE:** Only use a hand screwdriver to adjust rollers. Excessive force can damage roller adjustment.) Once screens are installed, adjusted and in final position, install the provided hole plugs into the screen roller adjustment holes. After, locate and install lock keeper onto the screen frame jamb using the screws provided.



(Screen roller adjustment pictured above. Located on the face of the top and bottom of screen)

30 Multi-Track Screen: When installing screen doors in this series the panels will ride on a monorail track snapping into the accessory groove on the main frame (Refer to diagram below). Screen frame is to be anchored securely to the substrate and anchor cover snapped into place to conceal fasteners.



31 Apply exterior sealant forming a weather barrier seal from frame to substrate. Use backer rod to fill large gaps where needed. It is good practice to clean frame with isopropyl alcohol to achieve proper adhesion to frame to substrate.

Special Note:

*** Remove any remaining debris from sill after installation and clean door frame***

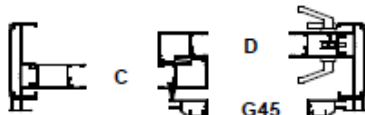

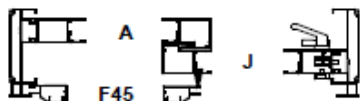

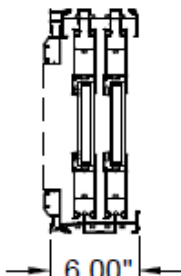
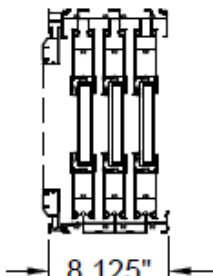
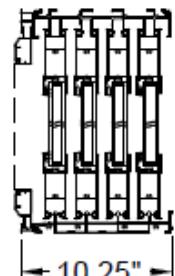
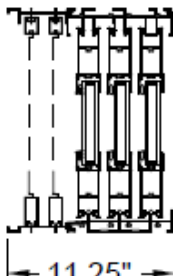
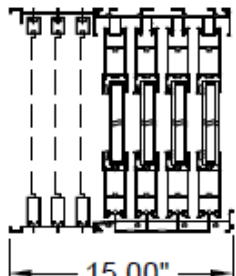

When inspection is required we recommend leave jamb and header trim and trim covers off and expose all fasteners. You must leave all stickers and NFRC labels on glass until after inspections. (Never remove gold product information labels located on jamb or header)

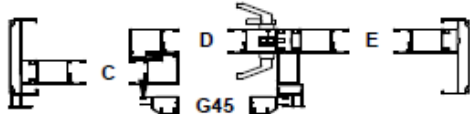
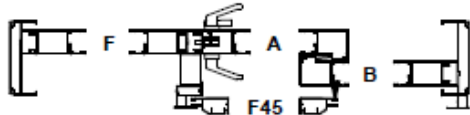

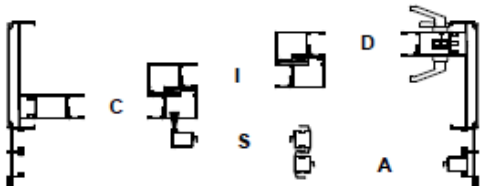
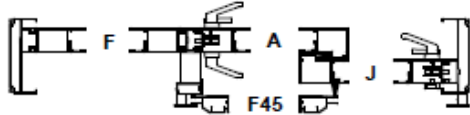
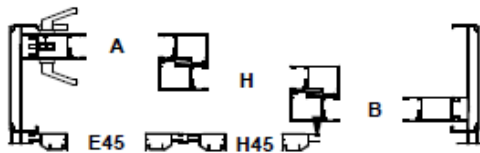
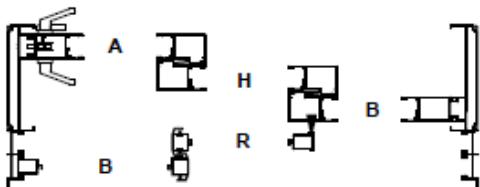
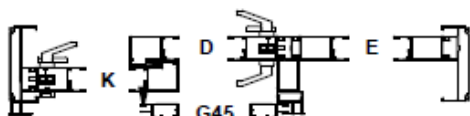
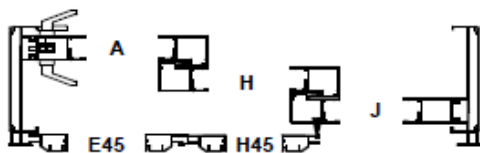
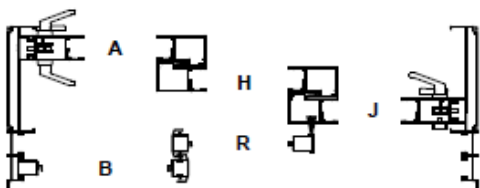
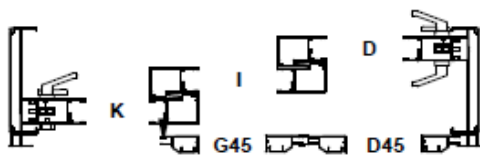
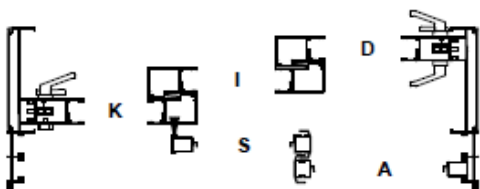

Note: After completing installation it is good practice to measure at head, sill, and midpoint horizontally to be certain that frame is not bowed. Measure from top to bottom across the entire frame from left to right to make sure there are no rises in the sill or dips in the head

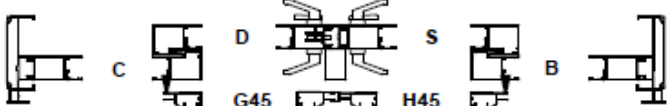
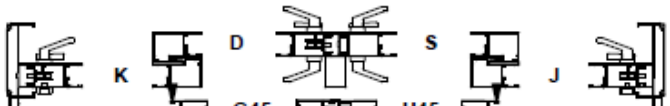

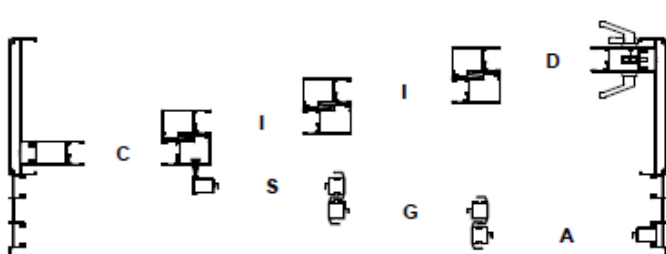
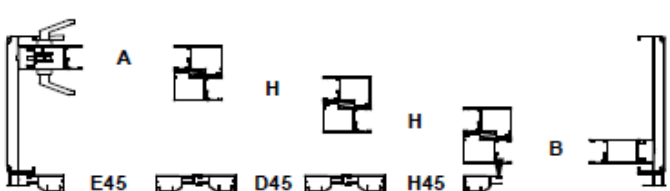
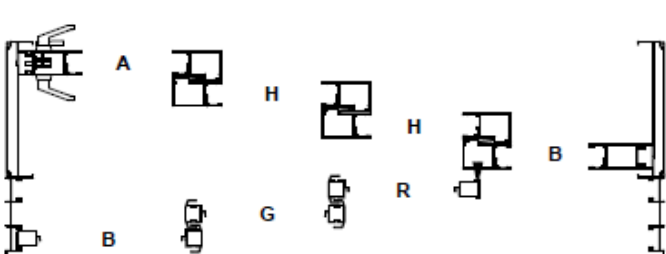
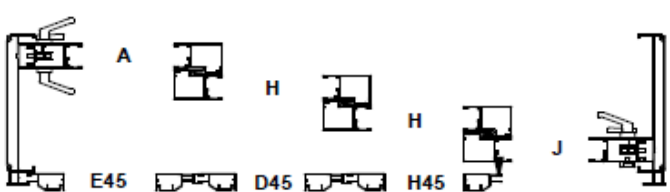
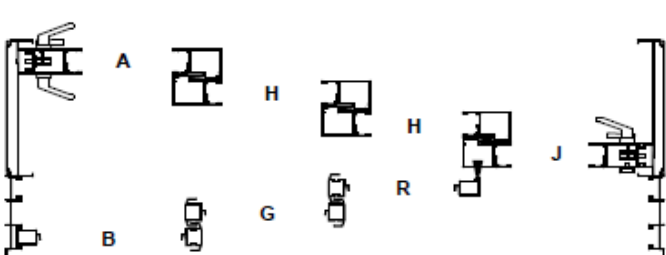
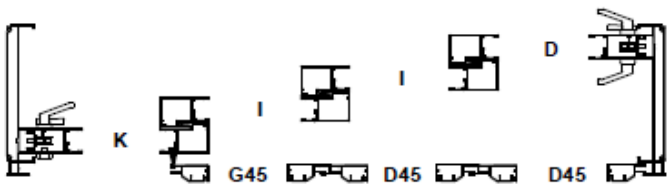
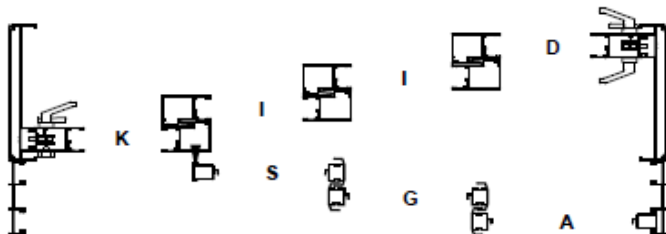

For additional information or in the event you have issues during the installation of this door unit, please Contact Custom Window Systems, Inc., Product Services Department

1-800-327-3086

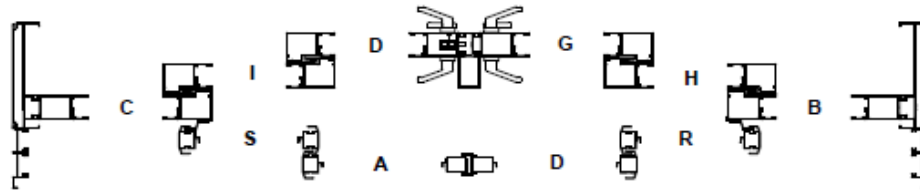
Ab7/16

OX			
XO			
XX			
XX-REV			
VERTICAL SECTIONS			
SINGLE TRACK SCREEN	2-TRACK FRAME	3-TRACK FRAME	4-TRACK FRAME
			
	6.00"	8.125"	10.25"
MULTI TRACK SCREEN	3-TRACK FRAME	4-TRACK FRAME	
			
	11.25"	15.00"	
3800 PANEL & SCREEN CONFIGS (2 - PANEL & VERT SECT)			
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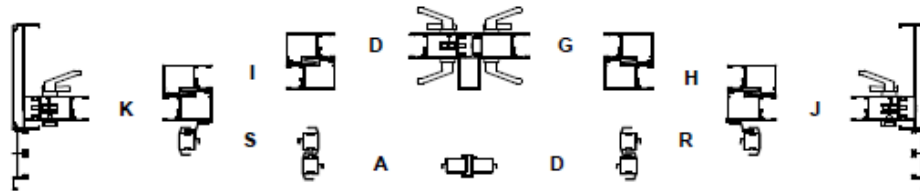
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OXO-LEFT		N/A
OXO-RIGHT		N/A
OXX		
OXX-2T		N/A
XXO		
XXO-2T		N/A
XXX		
XXX-REV		
3800 PANEL & SCREEN CONFIGS (3 - PANEL OPTIONS)		
<p align="center">PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC. IS PROHIBITED.</p>		 Custom ® WINDOW SYSTEMS Manufacturer of High Quality Windows, Doors and More 1900 SW 44TH AVE. OCALA, FLORIDA 34474

SINGLE TRACK SCREEN	MULTI-TRACK SCREEN
OXXO 	N/A
XXXX-2T 	N/A
OXXX 	
XXXO 	
XXXX 	
XXXX-REV 	
3800 PANEL & SCREEN CONFIGS (4 - PANEL OPTIONS) <p style="text-align: center;">PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC. IS PROHIBITED.</p>	
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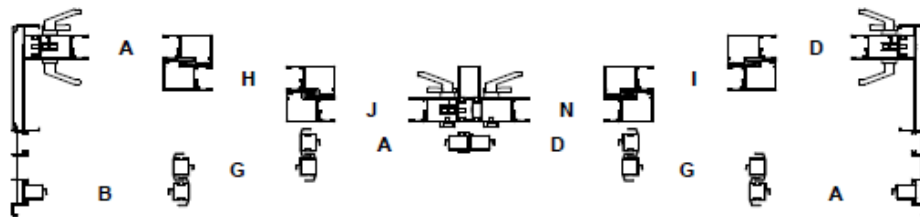
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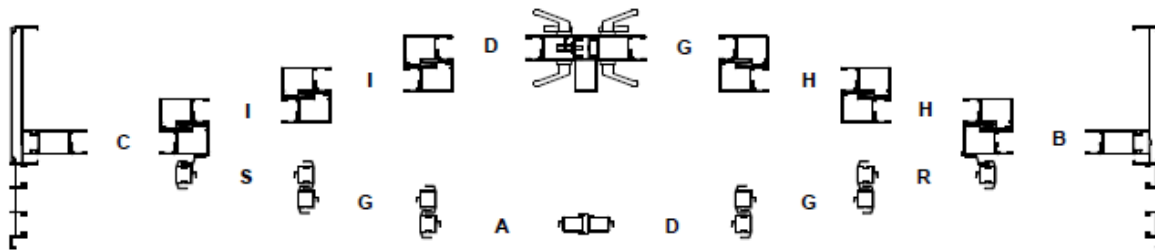
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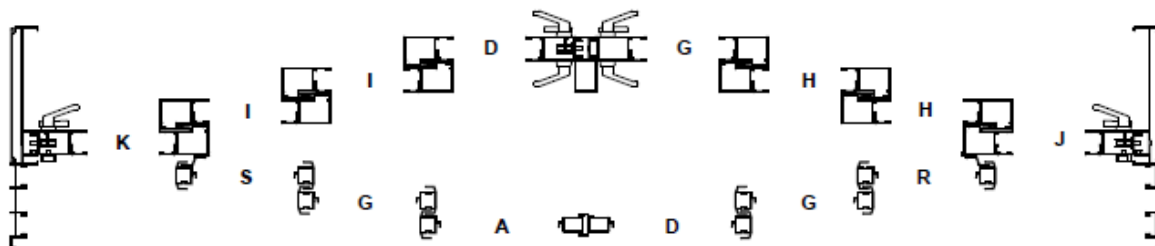
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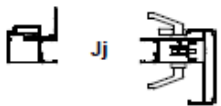
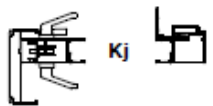
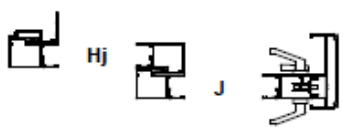
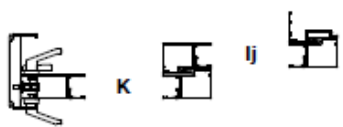
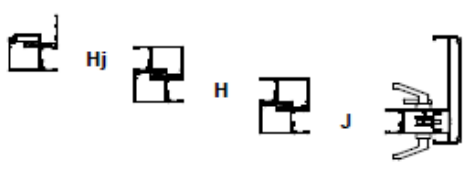
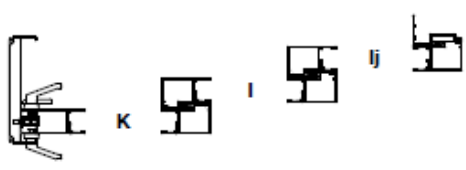
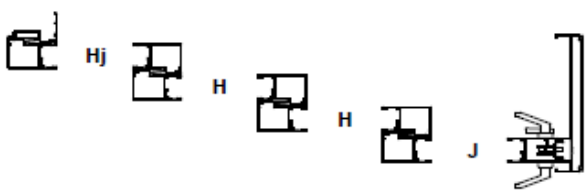
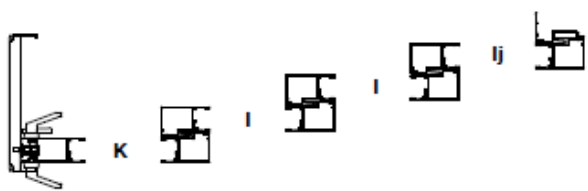

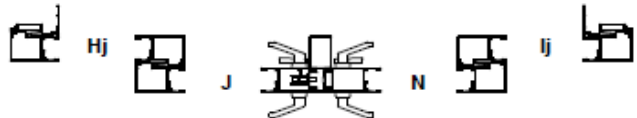

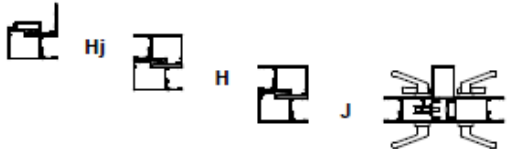
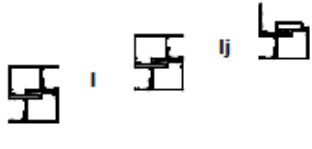
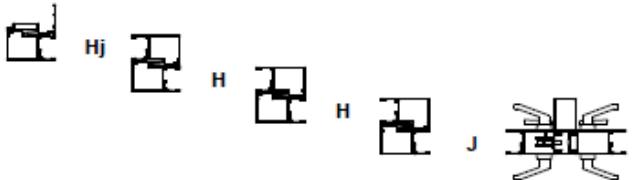
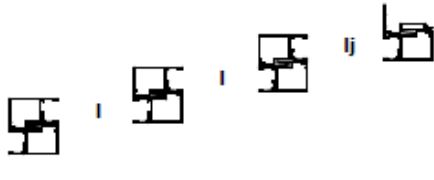

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3800 PANEL & SCREEN CONFIGS (6 & 8 - PANEL OPTIONS)

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PXXXX			XXXXP
PXXXP			
PXXXXP			
PXXX-XXXXP			
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