



880-8800 Series SGD
Installation Instructions

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 code for applicable and regulations. Local building code requirements supersede recommended installation instructions.

Required Tools

LEVEL 4' AND 6' SUGGESTED

TAPE MEASURE

CAULK GUN

HIGH PERFORMANCE SEALANT
STRINGLINE

DEAD BLOW Mallet

SCREW GUN AND HAND SCREWDRIVER
(#2 & #3)

UTILITY KNIFE

SQUARE

INSTALLATION FASTENERS (SEE
SCHEDULE BASED ON INSTALLATION
METHOD AND TESTING)

Component Check-List

OUTER MAIN FRAME (JAMBS- HEAD-SILL)

KIT FRAME SCREWS FOR MAIN FRAME ASSEMBLY

FRAME FILLER STRIPS (VARIES BY DOOR STYLE)

HANDLE & THUMBTURN

DOOR BUMPERS

SILL RISER (REQUIRED FOR WATER WARRANTY)

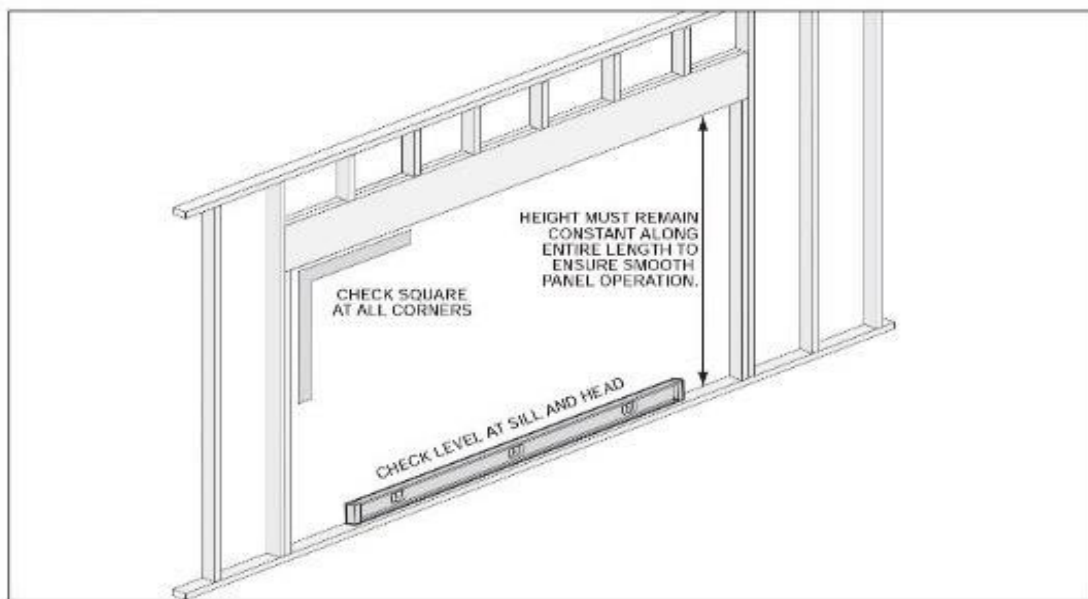
HEAD COVER

FIXED PANEL CLIPS (IF APPLICABLE)

FIXED PANEL SUPPORT (IF APPLICABLE)

FIXED PANEL CLIP COVER (IF APPLICABLE)

1. This installation guide is for the Custom Window Systems, Inc. 880-8800 series sliding glass door. This installation guide does not cover waterproofing or weather barriers to your 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 opening measurements and check for plumb level and square of opening.



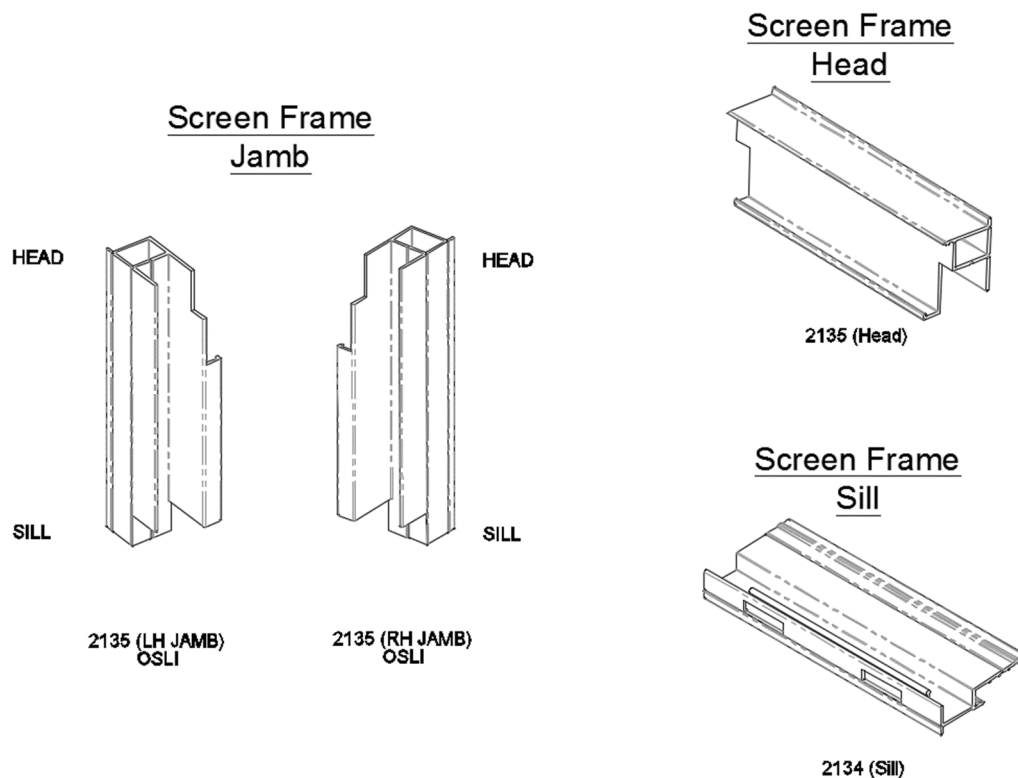
5. It is the responsibility of the customer to inspect all material for condition and accuracy prior to installation. In the event of damage or missing parts contact Custom Window Systems, Inc. or CWS Dealer immediately
6. It is the responsibility of the installing contractor to follow installation guidelines 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. 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.

9. 880-8800 Series Sliding Glass Doors are shipped knockdown. Sill, jambs, and head must be assembled before installing the frame into opening.

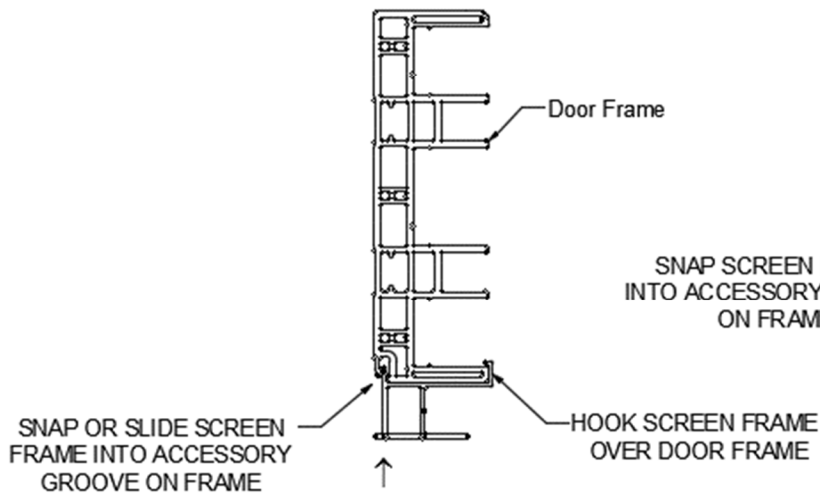
10. Note: If a single track screen was ordered, it is recommended to attach the screen frame profiles to the door frame profiles prior to assembling the door frame. Verify the screen frame notching orientation prior to attaching to door frame to ensure correct installation (see illustrations below). (If the door configuration is an OXO, please see section 31 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.

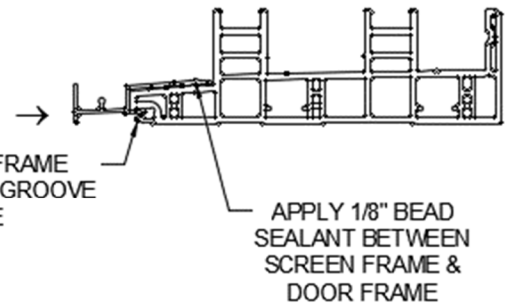
Screen Frame Application

@ Jamb/Head

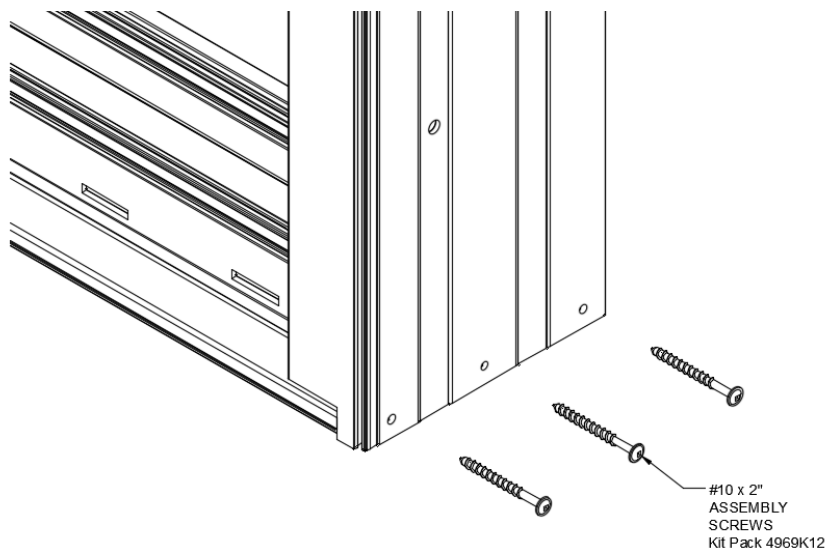


Screen Frame Application

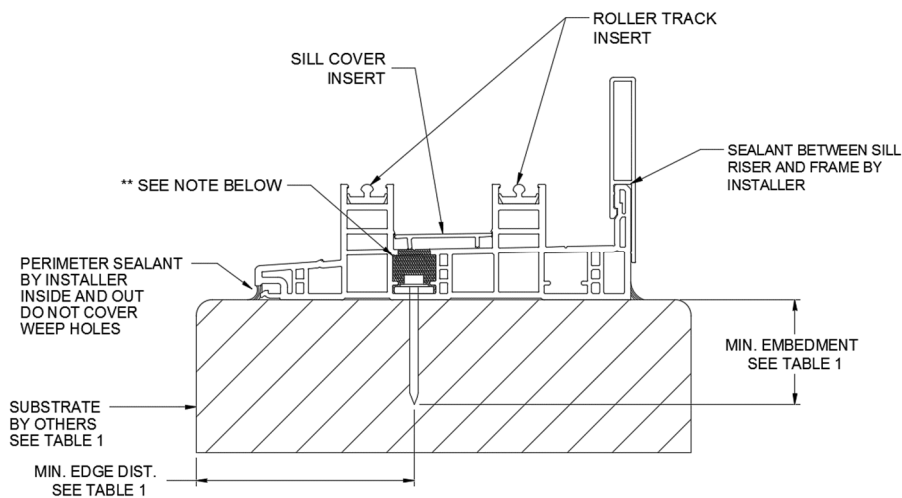
@ Sill



12. Apply supplied frame gaskets each end of head and sill prior to assembly. Install fasteners into head/sill screw bosses at jamb bottom and jamb header, applying sealant at all attachment points. 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 fasteners in screw boss.

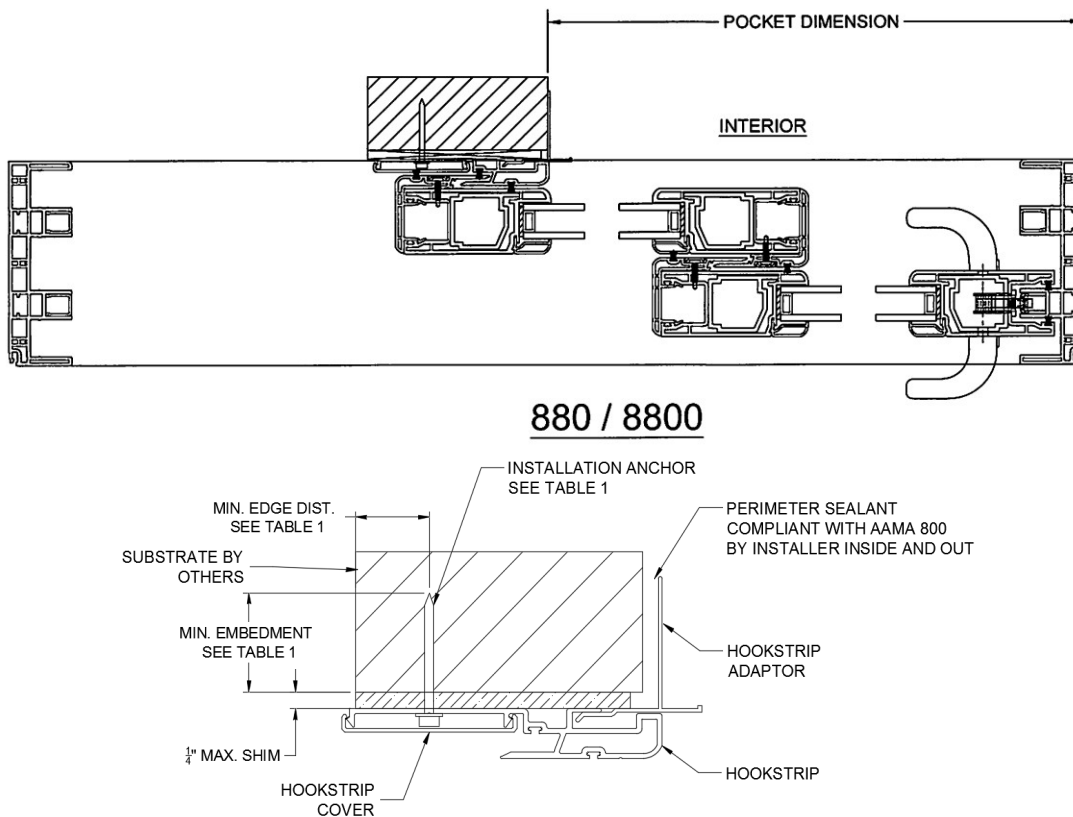


13. After main frame is assembled, dry fit 880-8800 Series Sliding Glass Door frame mark and drill installation holes located on sliding glass door frame in some applications additional installation holes may be required. It is very important to determine reveals, both interior and exterior at this time. Any further protrusion will not allow proper fastener installation. After dry-fitting, remove frame and clean all surfaces before installing to eliminate any water intrusion under frame. (Refer to anchor details <https://floridabuilding.org> for required type and edge distance.)
14. 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 of frame to substrate.
15. Set frame in opening and shim as necessary to make frame plumb, level, and square. Shim behind all jamb and sill 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 or wood anchors based on substrate. Small amounts of sealant must be applied at each screw penetration at sill locations.
16. Check all gaps from frame to substrate not allowing more than a 1/4" (Refer to Florida Product Approval).
17. All attachment points apply small amounts of sealant at each screw penetrating the frame. Remove any debris from track and frame from installation.
18. 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.



**** Note:** After anchor inspection, Sill anchor holes must be completely sealed to prevent water from entering the sill anchor chambers. Sill Cover Insert to be installed in Sill after anchors are installed and building department has inspected fasteners.

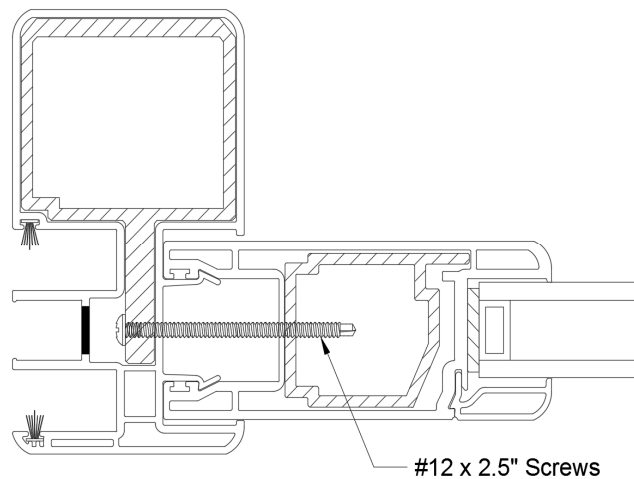
19. (Pocket Door Installation) Installer will determine hook strip placement by taking measurements from outside of frame jamb to inside of hook strip as shown in diagram below for pocket dimension. Pocket dimension may be obtained by original order of daylight opening. Install hookstrip to substrate per anchor details specified on <https://floridabuilding.org> for required type and edge distance. Install hookstrip cover to conceal fasteners.



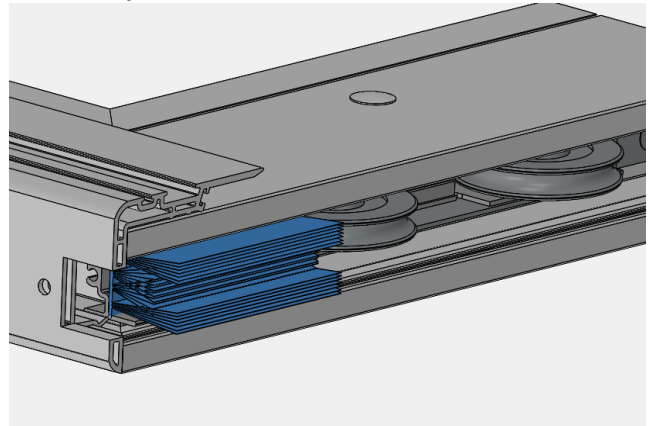
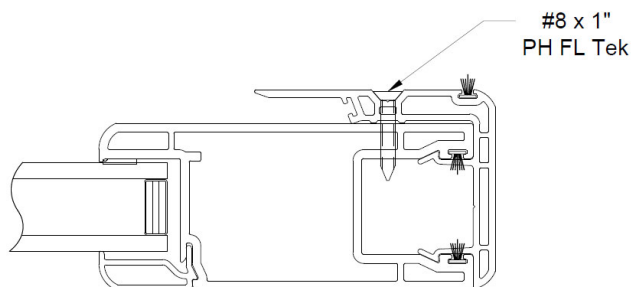
20. Anti-lift blocks can now be installed into frame Head using 0.25" diameter locator holes provided in frame. Install one block over each panel interlock determined by the panel stack configuration ordered. If door configuration includes an astragal, install two blocks at astragal location. For wood installations, use #14 x 4" screws (provided). For masonry installations use 1/4" x 4" Tapcon anchors (not provided).



21. If the astragal is required, snap astragal onto panel (as shown below). Using pre-drilled holes in astragal, fasten astragal to panel using #12 x 2 ½" screws (provided).

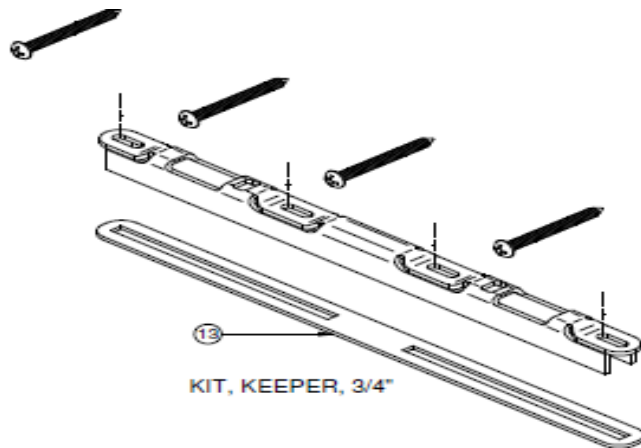


22. Panel Prep: Prior to installing panels, verify panel/interlocks are in correct orientation for the door stack configuration desired. Fasten interlocks to panel, as shown below, using #8 x 1" PH FL Tek screws provided. Fastener locations are 3" from each end and evenly spaced no more than 15" on center thereafter. Install screw cover (6169) to conceal fasteners. Add 1"x3"x1" dust plugs (4366) to bottom of panel, between the roller and panel edge (see picture below), on both ends of rail.

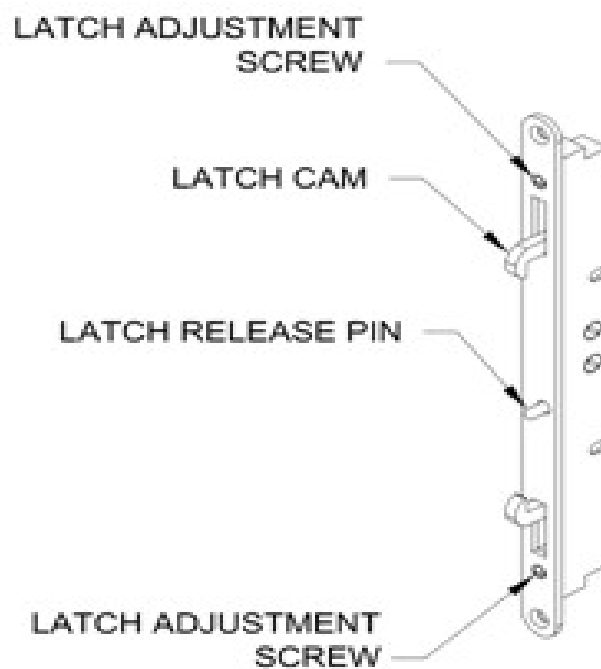


23. When installing door panels, insert head of panel fully into frame first, and then set down onto sill frame track. **Note:** It is recommended to adjust rollers out to their extended positions prior to installing panels. Always use a #3 hand screwdriver when adjusting rollers. To install panels with anti-lift blocks in place, locate slot fabricated on the top of panel head rail, and line up with anti-lift block when lifting panel into frame.
24. 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.

25. Once the panels are installed and adjusted, install metal Lock Keeper with #10 x 2" PH PN screws.

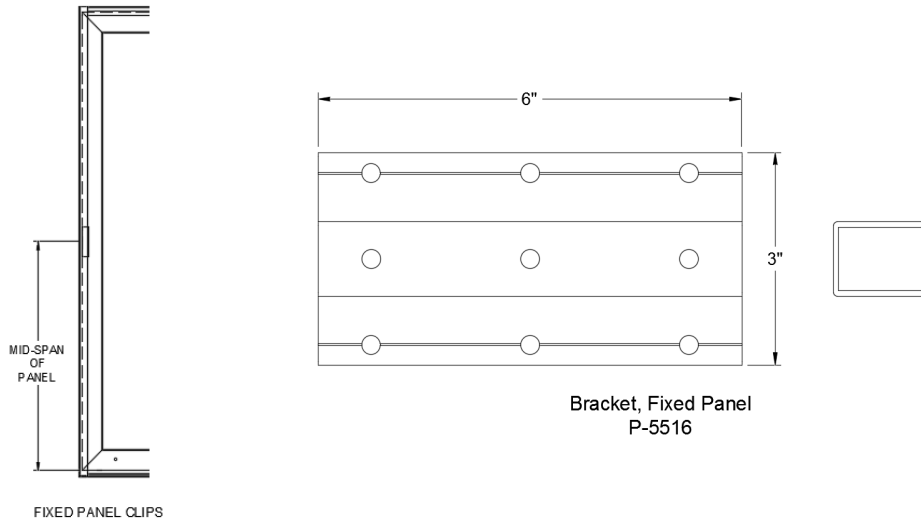


26. Installer may need to adjust mortise lock hook by screwing adjustment screw in or out.



27. Install all handles and hardware per handle supplier instructions.

- 28. Fixed Panel Clips:** Insert and locate fixed panel clip in stile of panel at the mid-span of the panel height. Attach clip to panel using #12 x 1 ½" screws provided. Slide panel into place on frame jamb, and attached to jamb using #12 x 1 ½" screws provided. (*Important note) When installing, lock panels in place first, then install fasteners into fixed panel clips.

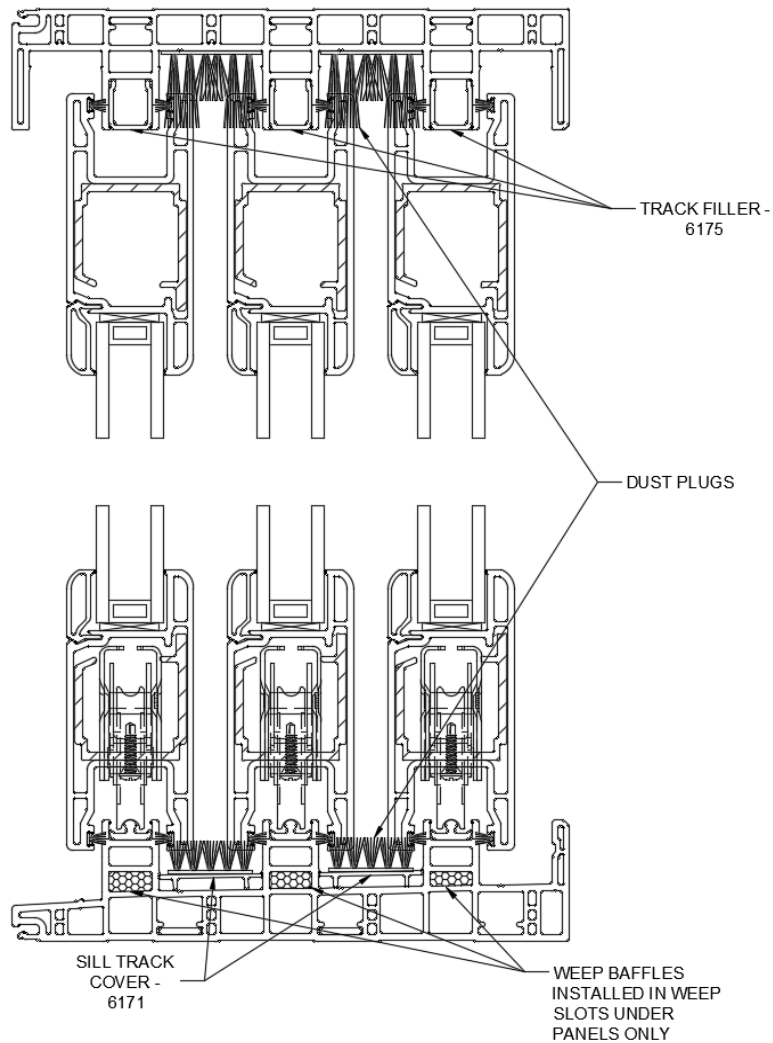


- 29. Panel Guide Covers:** Install panel guide covers over aluminum panel guides at the top and bottom of each panel interlock.

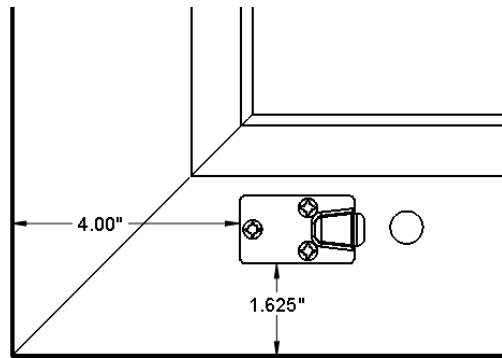


30. Weep Baffles, Sill Track Cover, Track Filler, & Dust plugs locations.

- Install weep baffles only in pre-punched slots directly under panels while in the closed position and at end of sill located at the jamb-to-sill interface.
- Install Sill track covers in tracks between panel roller rails. Use a non-marring block and hammer to fully seat the cover into the track along the full length of the sill.
- With the door in the closed position, place dust plugs above and below each interlock so that the dust plug spans both panels. It is good practice to clean frame with isopropyl alcohol prior to installing dust plugs.
- Install Track Filler into all open towers on head and jambs to cover anchors. Track Filler will need to be trimmed to fit around the keeper in the jamb and anti-lift blocks in the head.



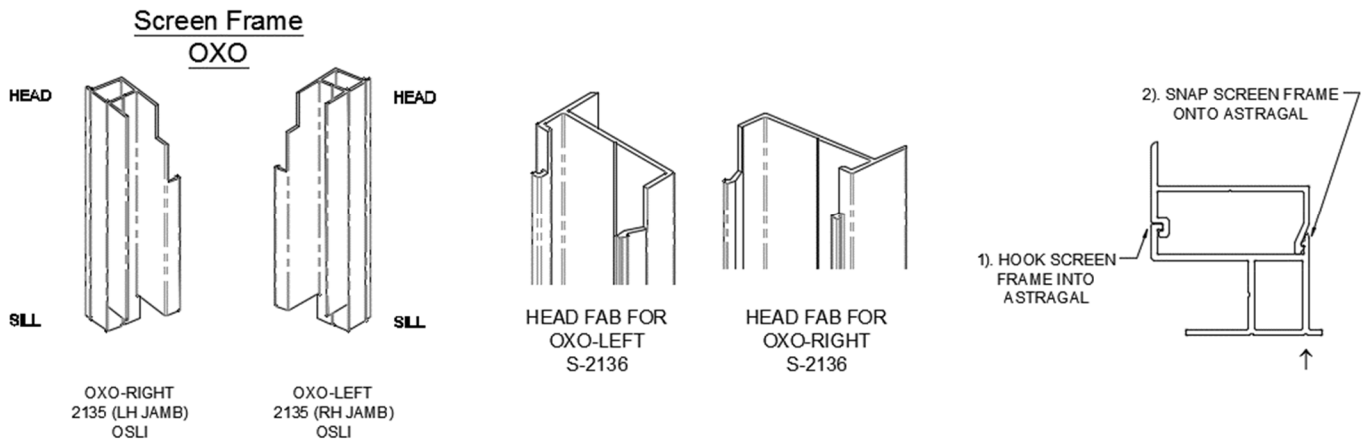
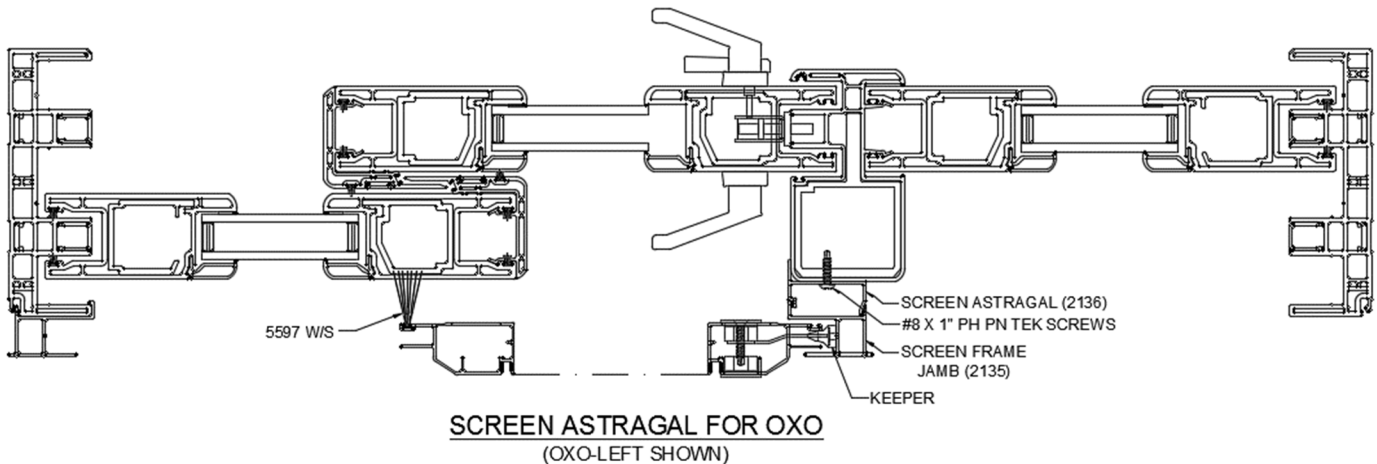
31. Panel stops will prevent the door panels from making contact with the handle hardware. They may be installed at the bottom on the door panel below the glass bead approximately 4" from edge of stile and 1 5/8" up from bottom of rail.



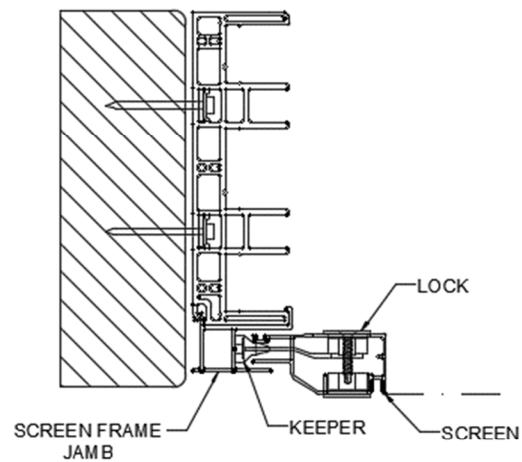
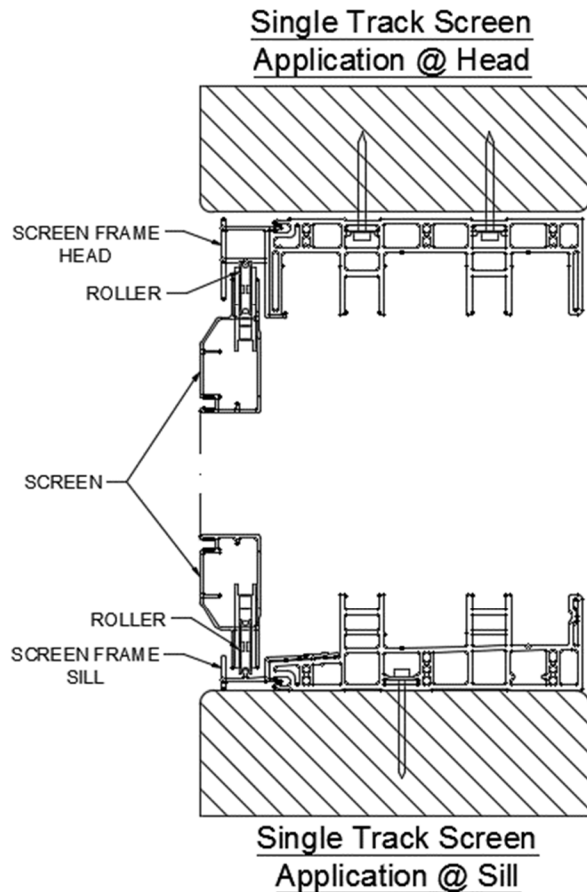
PANEL STOP LOCATION

32. Screen Astragal for OXO Configurations:

- Locate screen astragal adaptor (2136) 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 #8x1" PH PN Tek screws provided.
- 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).

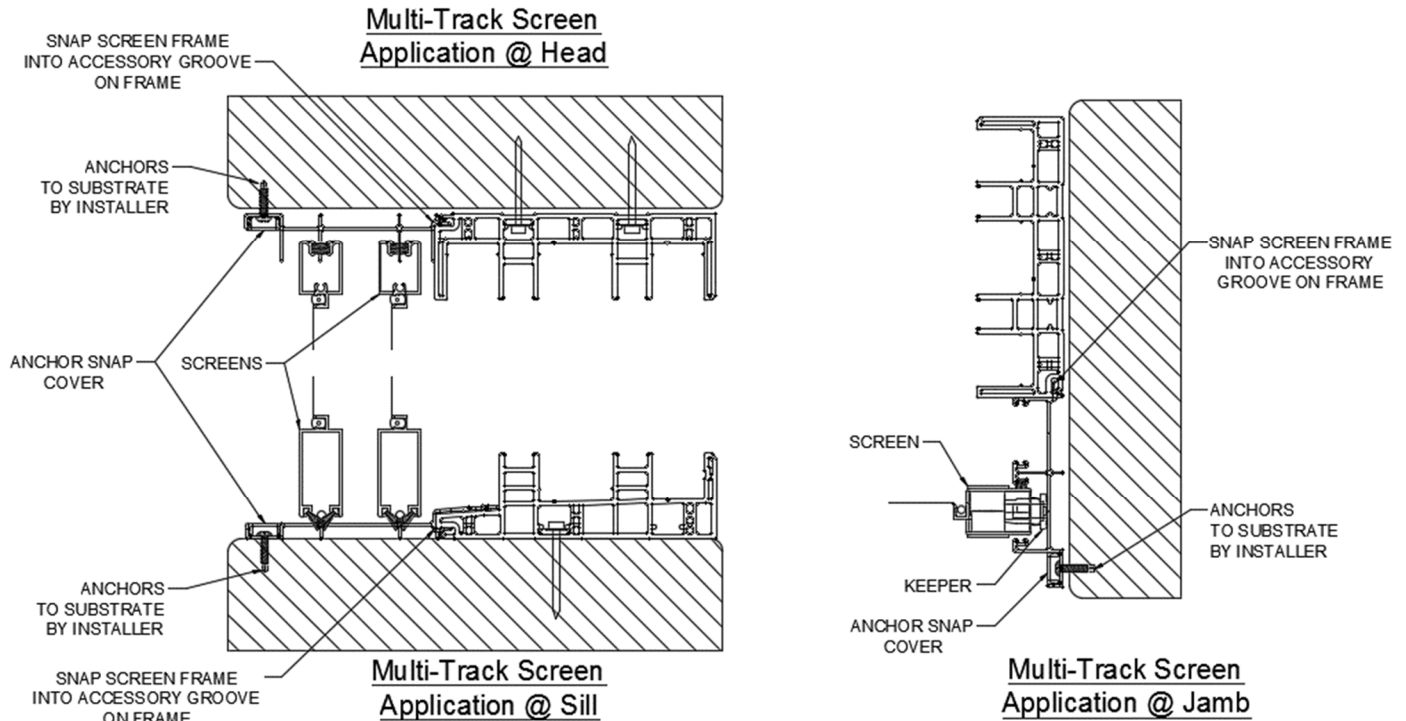


33. **Single Track Screen:** (See Step 10 for the installation of the single track screen frame.) Install screens per the configuration ordered by inserting the screen head into the screen frame first then use a putty knife under the screen sill to compress the rollers and lift it over the screen frame. 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)

- 34. Multi-Track Screen:** When Screen frame assembly is required you will need to snap screen frame into accessory groove on frame and anchor to the substrate (as shown below). Anchors to substrate not provided. Snap screen track cover into place on the screen frame to conceal anchors.



- 35. 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***

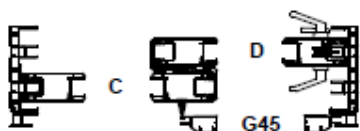
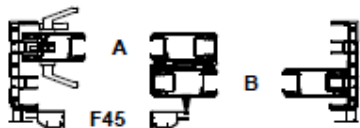


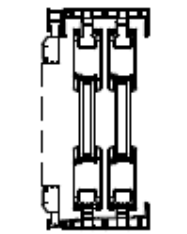
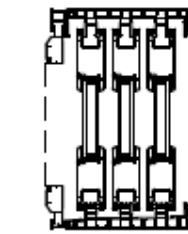
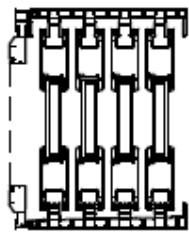
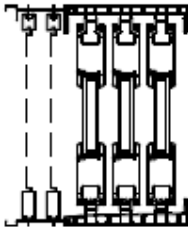
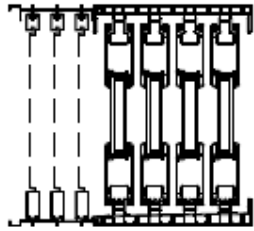

When inspection is required we recommend leave jamb and header trim and trim covers off and expose all fasteners. You must leave all stickers and NFRC labels on glass until after inspections. (Never remove gold product information labels located on jamb or header)


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.
Note: Door installations without sill riser will have no guarantee against water intrusion.


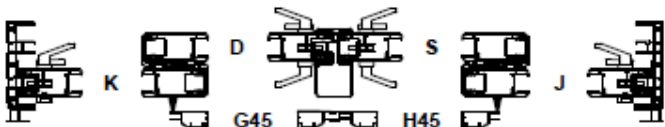
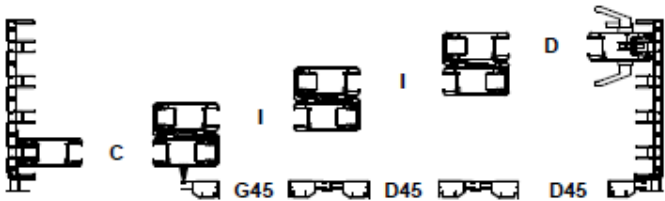
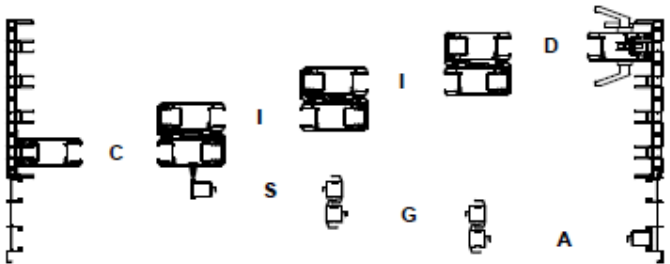
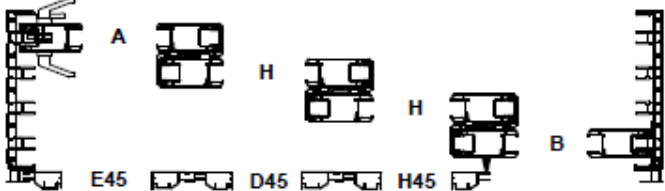
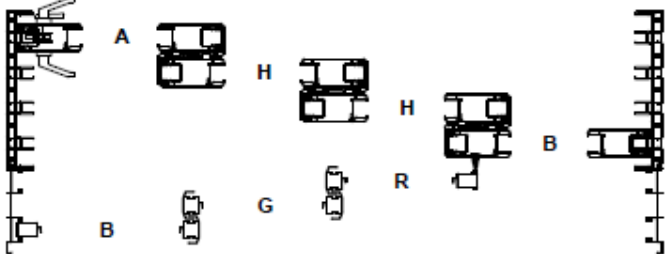
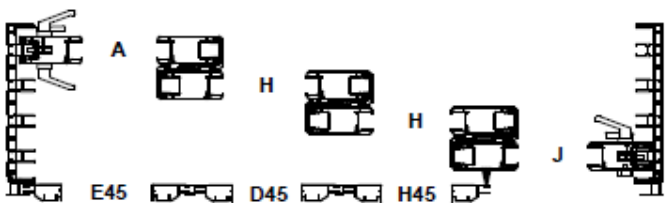
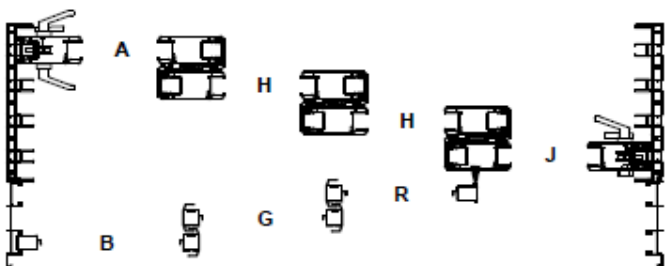
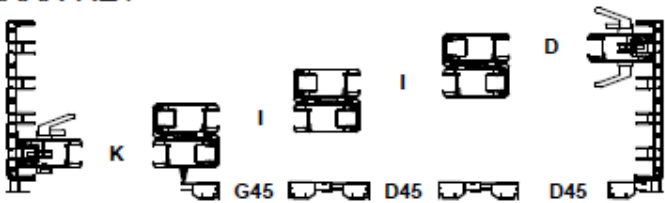
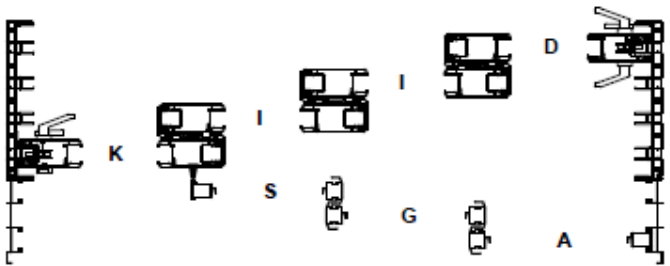

For additional information or in the event you have issues during the installation of this door unit, please Contact Custom Window Systems, Inc., Product Services Department

1-800-327-3086

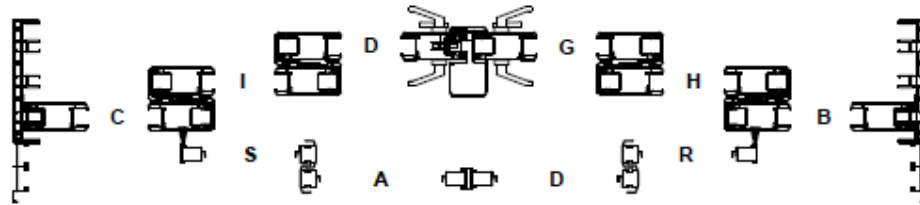
Ab7/16

OX			
XO			
XX			
XX-REV			
VERTICAL SECTIONS			
SINGLE TRACK SCREEN	2-TRACK FRAME	3-TRACK FRAME	4-TRACK FRAME
			
	6.75"	9.125"	11.50"
MULTI TRACK SCREEN	3-TRACK FRAME	4-TRACK FRAME	
			
	12.25"	16.25"	
8800 PANEL & SCREEN CONFIGS (2 - PANEL & VERT SECT)			
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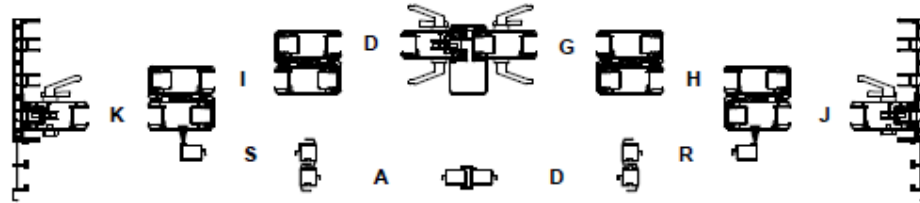
	SINGLE TRACK SCREEN	MULTI-TRACK SCREEN
OXO-LEFT		N/A
OXO-RIGHT		N/A
OXX		
OXX-2T		N/A
XXO		
XXO-2T		N/A
XXX		
XXX-REV		
8800 PANEL & SCREEN CONFIGS (3 - PANEL OPTIONS)		
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SINGLE TRACK SCREEN	MULTI-TRACK SCREEN
OXXO 	N/A
XXXX-2T 	N/A
OXXX 	
XXXO 	
XXXX 	
XXXX-REV 	
8800 PANEL & SCREEN CONFIGS (4 - PANEL OPTIONS) <p style="text-align: center;"> PROPRIETARY AND CONFIDENTIAL 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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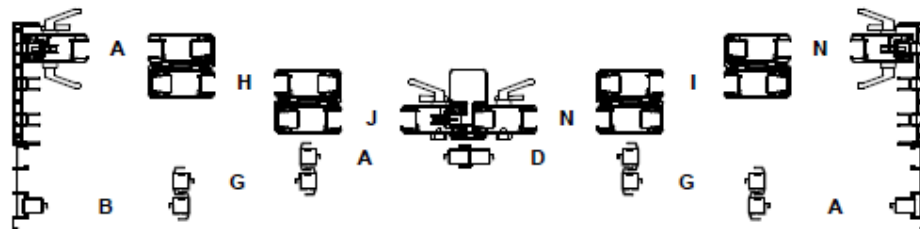
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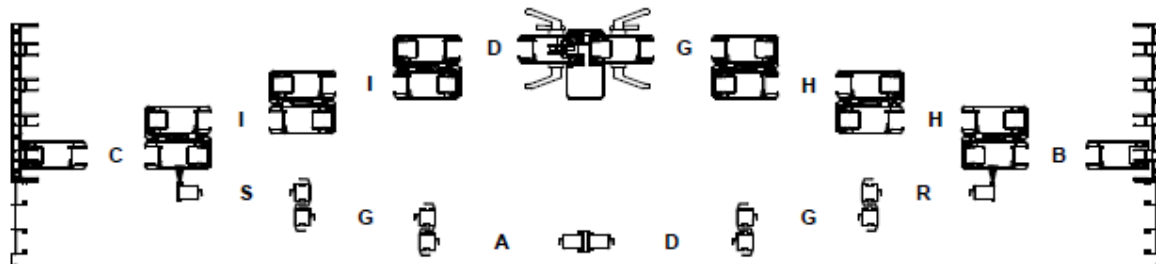
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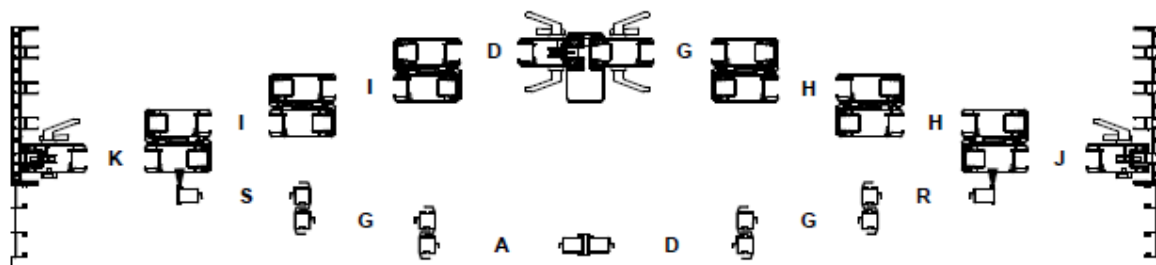
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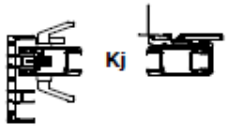
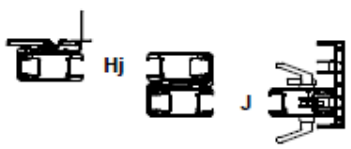
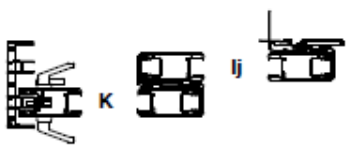
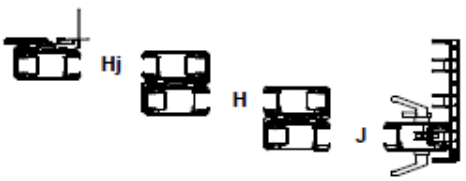
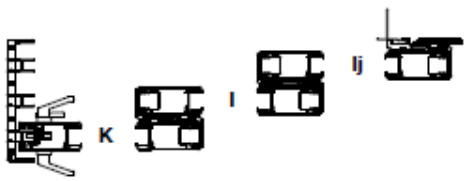
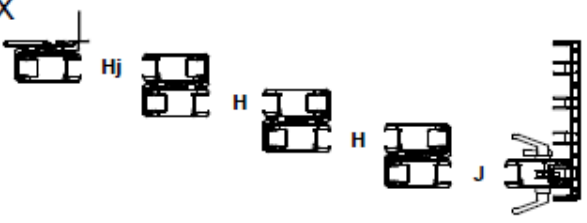
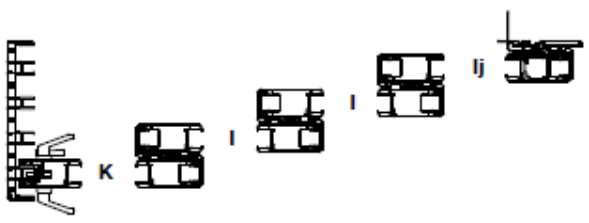
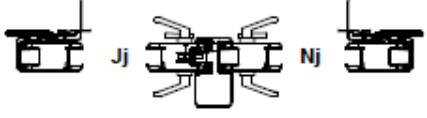

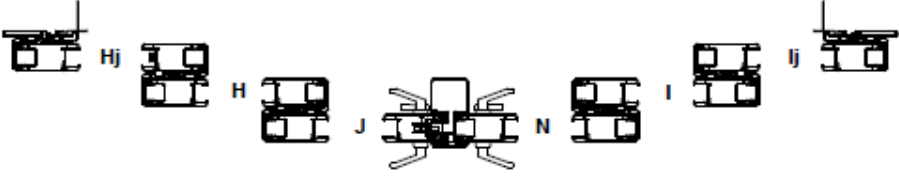
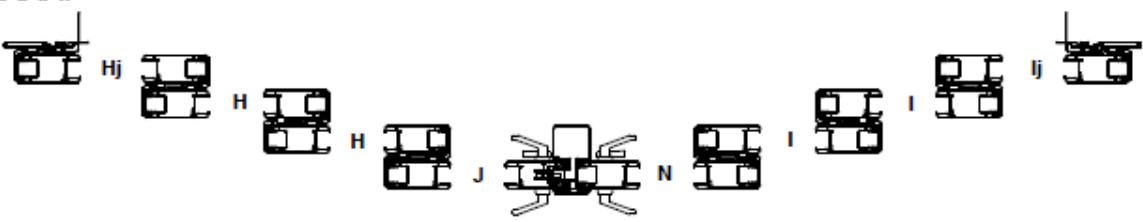

XXXXXXXXXX



8800 PANEL & SCREEN CONFIGS (6 & 8 - PANEL OPTIONS)

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LEFT HAND POCKETS		RIGHT HAND POCKETS	
PX			XP
PXX			XXP
PXXX			XXXP
PXXXX			XXXP
PXXP			
PXXXXP			
PXXX-XXXP			
PXXXX-XXXXP			
8800 PANEL & SCREEN CONFIGS (POCKET OPTIONS)			
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