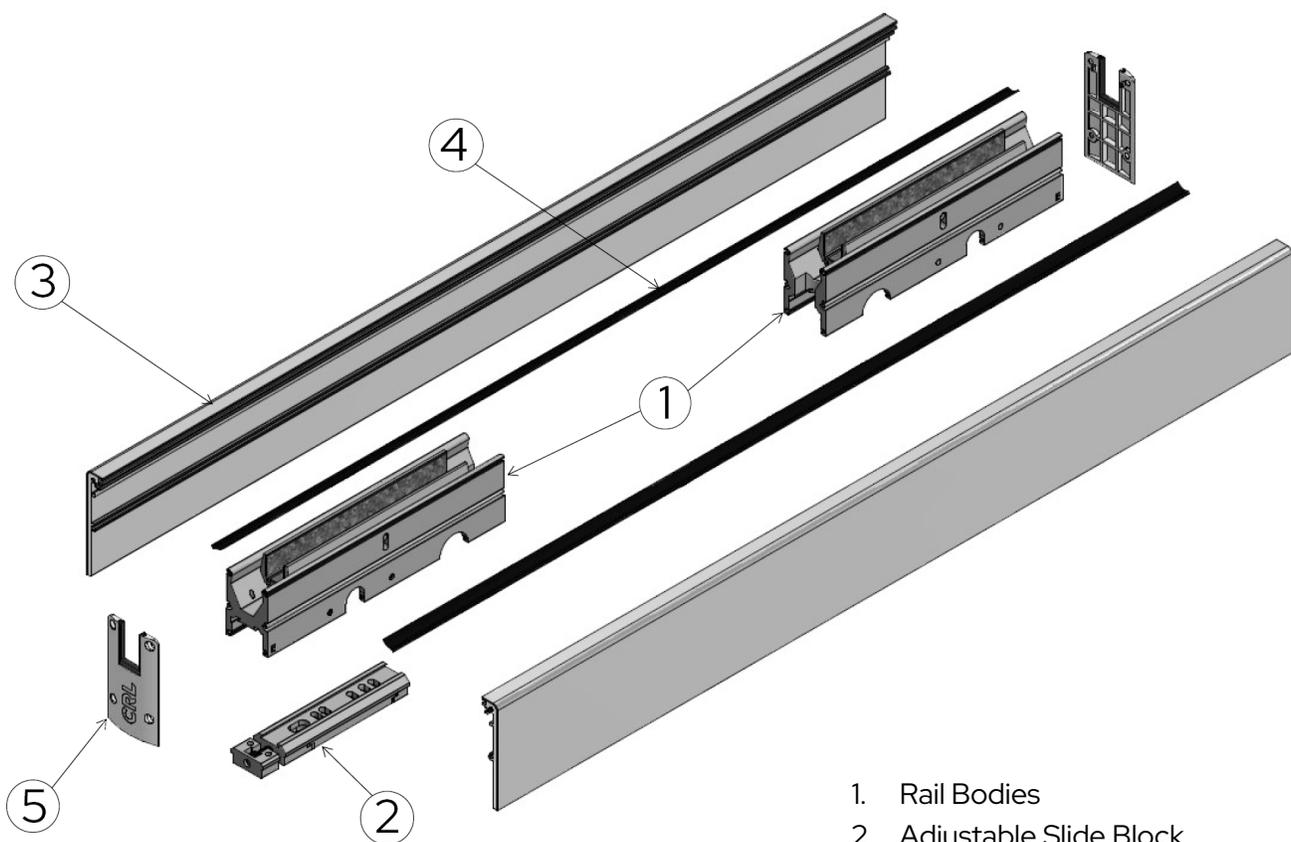


# CRL DRX™ Modular Door Rail System



1. Rail Bodies
2. Adjustable Slide Block
3. Side Covers
4. Gaskets
5. End Caps

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**NOTE: Always check your material prior to attaching door rails. Read these instructions carefully.**

Make sure that the glass is the correct size and ensure that there are no defects in the glass.

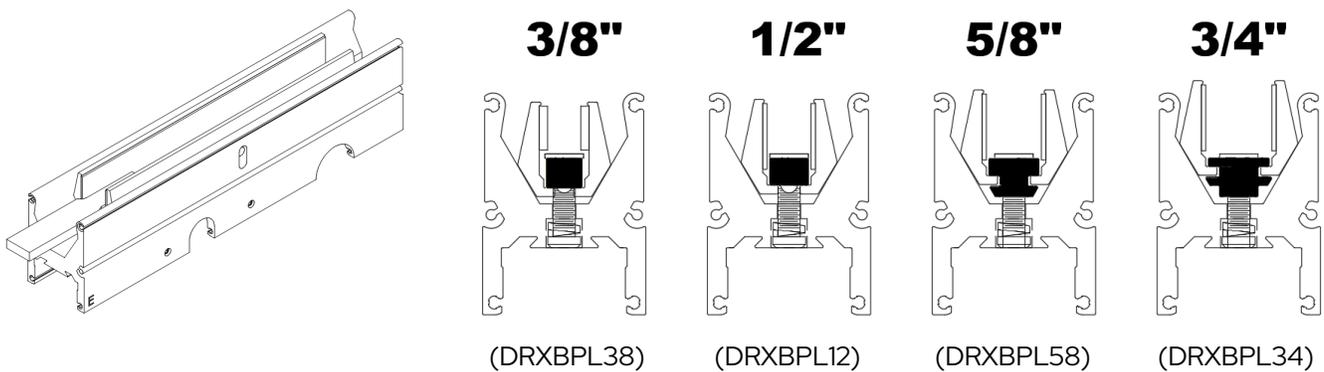
The **CRL DRX™ Modular Door Rail System** allows you to install a fully operational all-glass door during construction without having to make a final decision on door rail height and rail finish. Being able to install and operate an all-glass door without the side covers prevents potential damage of the finish during construction. It also provides time savings because you can stock the modular door rail bodies and install a glass door as soon as you have the glass. You do not have to wait for the door rails to be delivered.

## COMPONENT PARTS

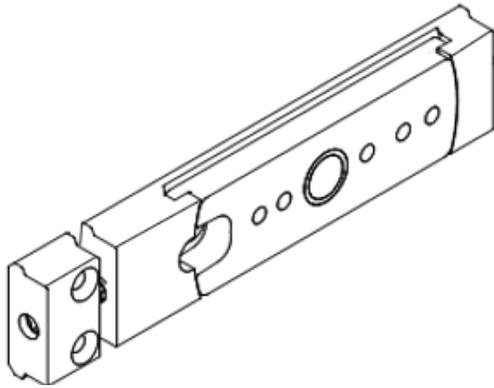
### RAIL BODIES

The only distinction between these body assemblies is the stainless steel nut strip. For 3/8" glass a thicker cork is used on the clamps.

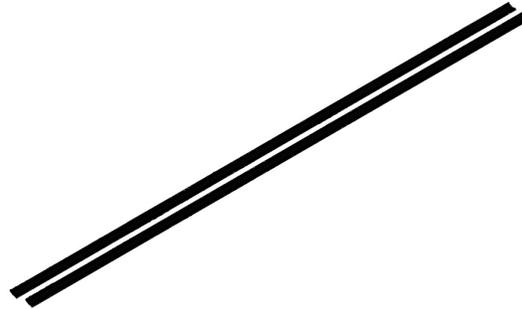
**NOTE:** Rail Bodies are already prepped for locking mechanism or panic device installation. For Door Rail Lock and Panic Device installation, see supplemental installation instructions.



**ADJUSTABLE SLIDE BLOCK and DOOR RAIL GASKETS**



(DRX6K)

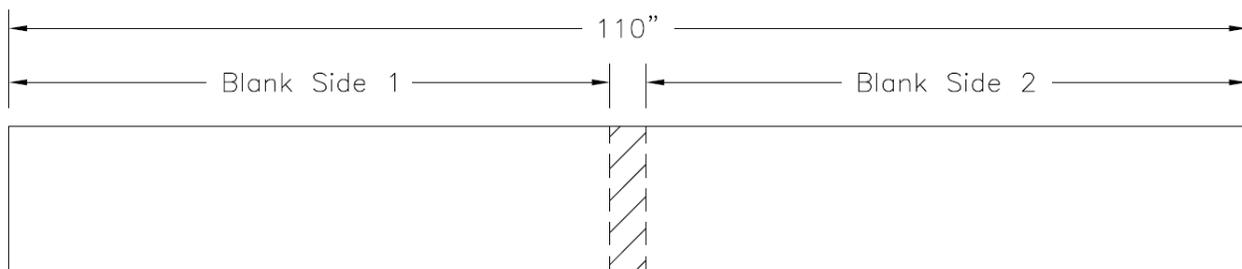


(DRXG)

**SIDE COVERS AND END CAPS**

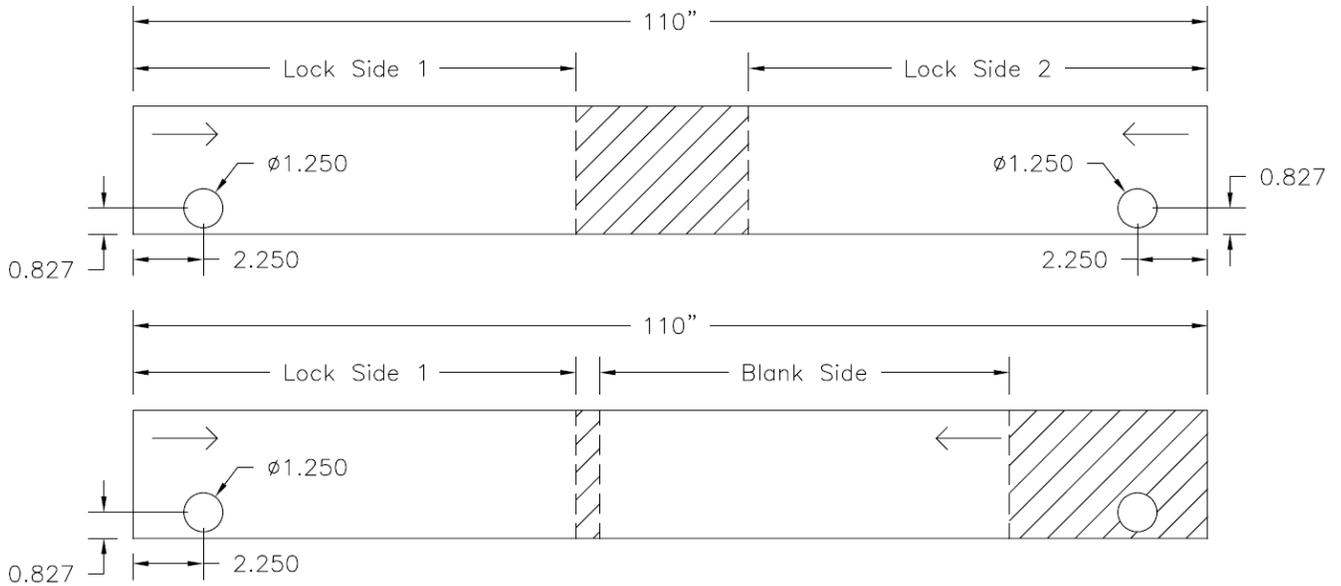
Side Covers and End Caps can be ordered during or after door installation. Doors are fully functional without them. Standard and custom finishes are available. CRL offers Side Covers in 110" lengths that can be kept in stock and cut to size.

- **Blank 4" Side Cover (Square or Tapered)**



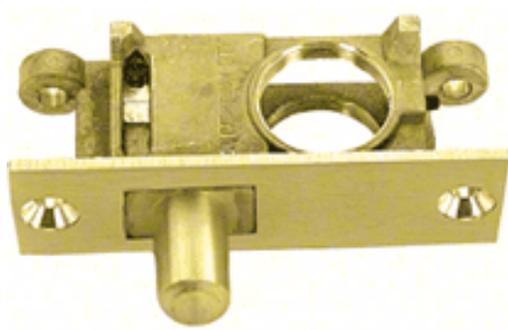
- **Side Cover with prep for CRL 777S Door Rail Lock (Square or Tapered)**

This Side Cover allows you to produce back-to-back or single-sided cylinder applications when utilizing floor locks.



**NOTE:** If the glass door requires a Floor Locking Mechanism, you will need the following hardware:

CRL 777S Door Rail Lock with 1/4-20 Philips flat head, Length = 2", (2) machine installation screws, and CRL key or thumb turn cylinder(s) (DRA10, DRA20, DRA1020)

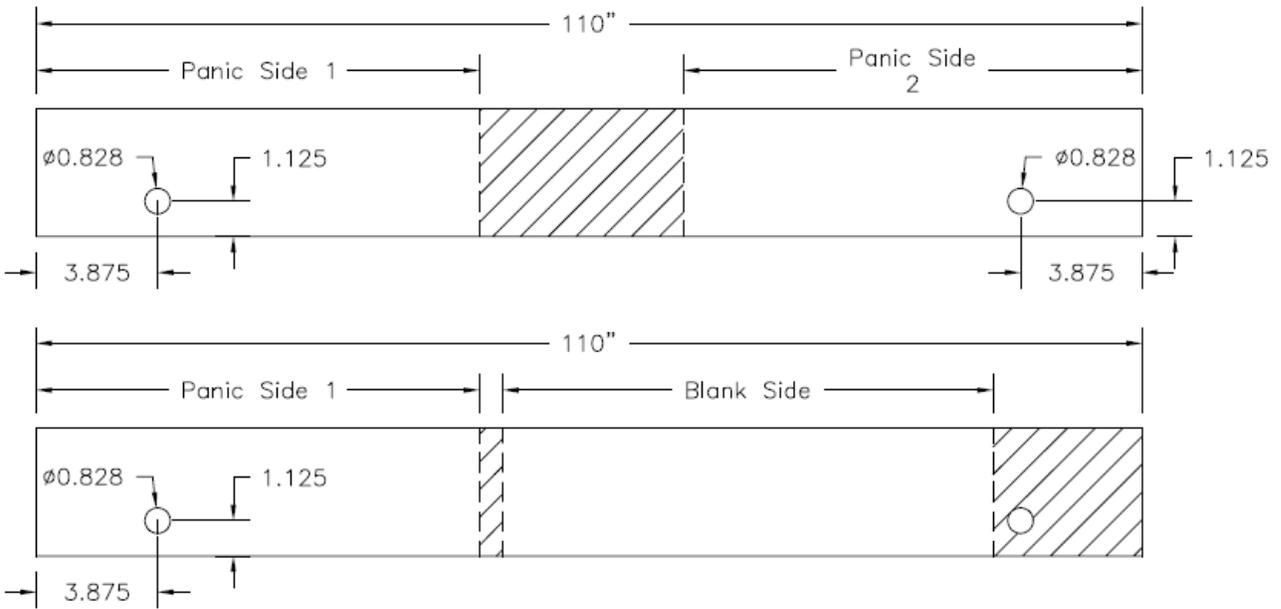


(CRL 777S)

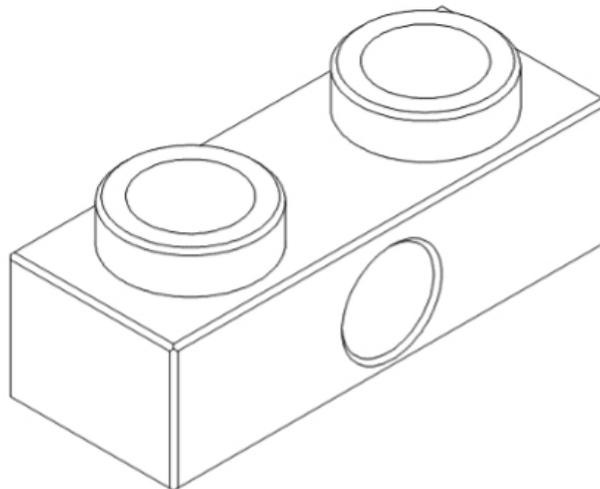


- **Side Cover with Blumcraft® Panic/Egress/Deadbolt device (Square or Tapered)**

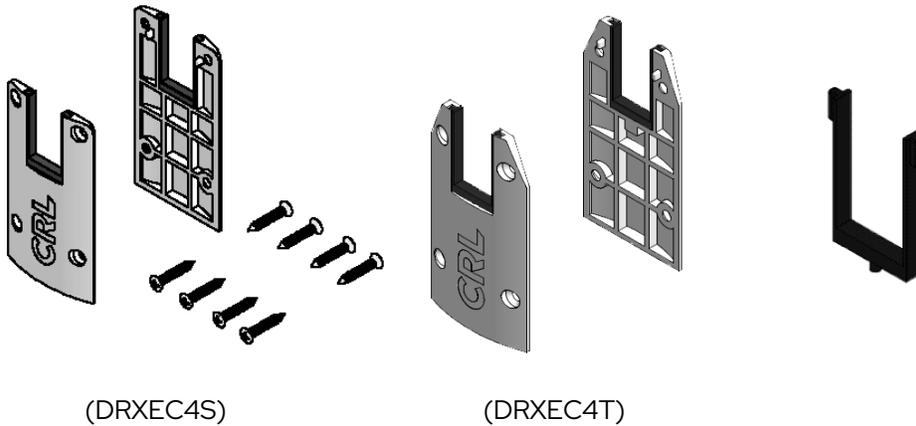
This Side Cover accommodates back-to-back, as well as interior or exterior fitting hole(s).



**NOTE:** If the glass door requires a Blumcraft® Panic/Egress/Deadbolt device, you will need the following hardware: CRL MPH53 Block with 5/16-18 socket head cap, Length = 1", installation screws (2). Included w/purchase of ACH device.



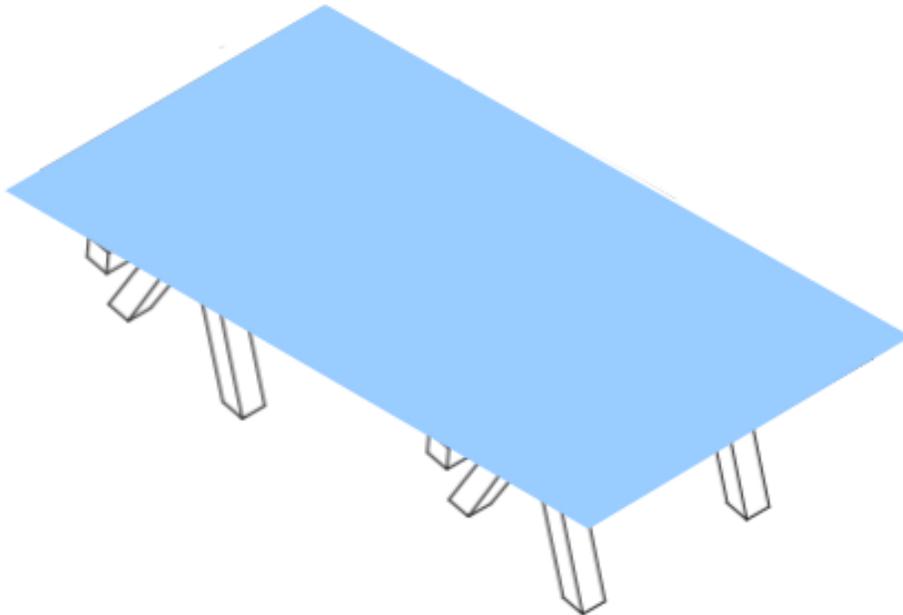
- 4" End Caps are available in Square and Tapered configurations and feature a glass protector.



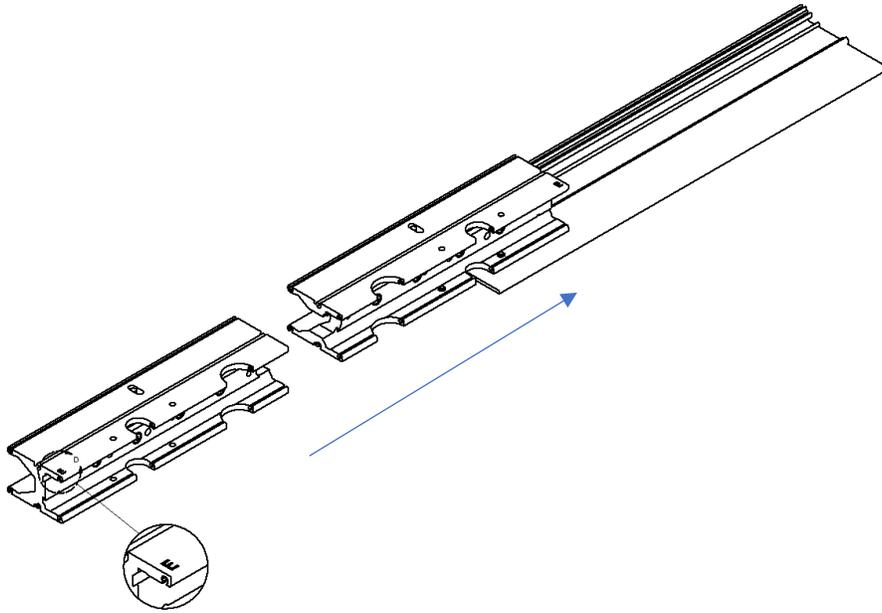
## DRX RAIL BODY INSTALLATION

**NOTE:** Repeat DRX Rail Body installation process for both the bottom and top rails.

**STEP 1:** Lay your glass panel flat on two sawhorses or other appropriate support structure.

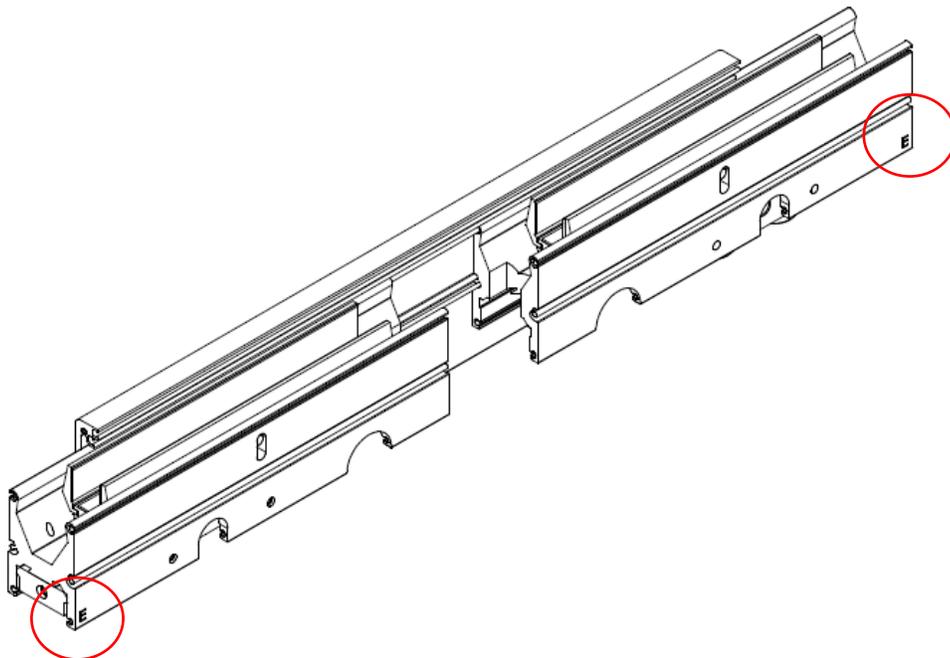


**STEP 2:** Place one Side Cover on a flat surface and slide two Rail Bodies into position to ensure proper alignment when attaching to glass.

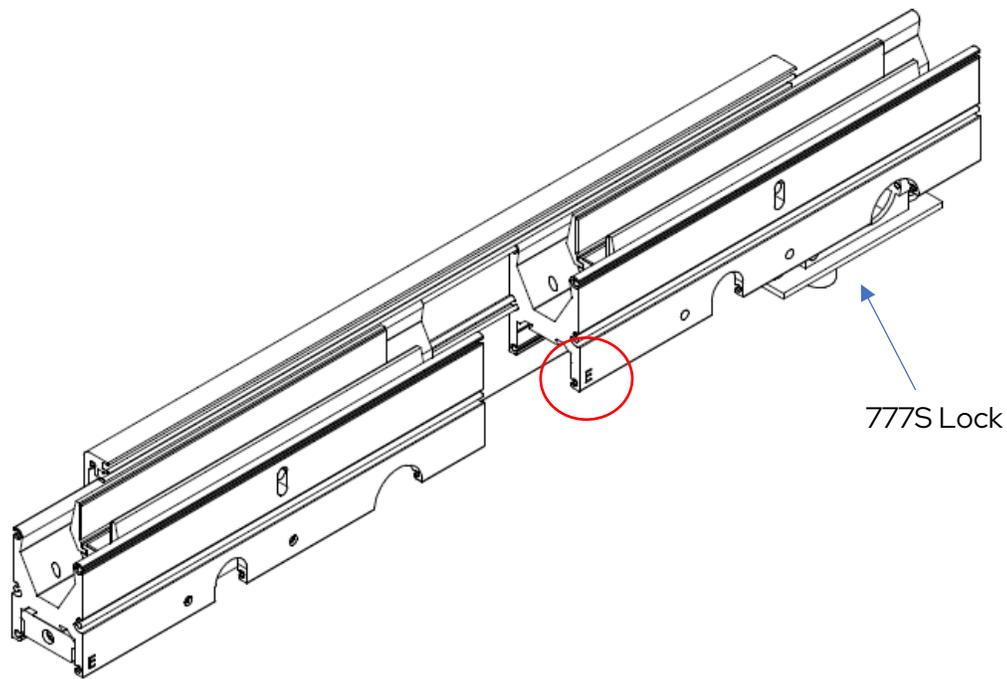


**IMPORTANT:** Each Rail Body is marked with an “E” on one end. On the pivot side Rail Body, the “E” must face out towards the glass edge.

- **PANIC/EGRESS/DEADBOLT:** For Blumcraft Panic/Egress/Deadbolt Handle installation, the “E” must be on the outer end of the swing side Rail Body.

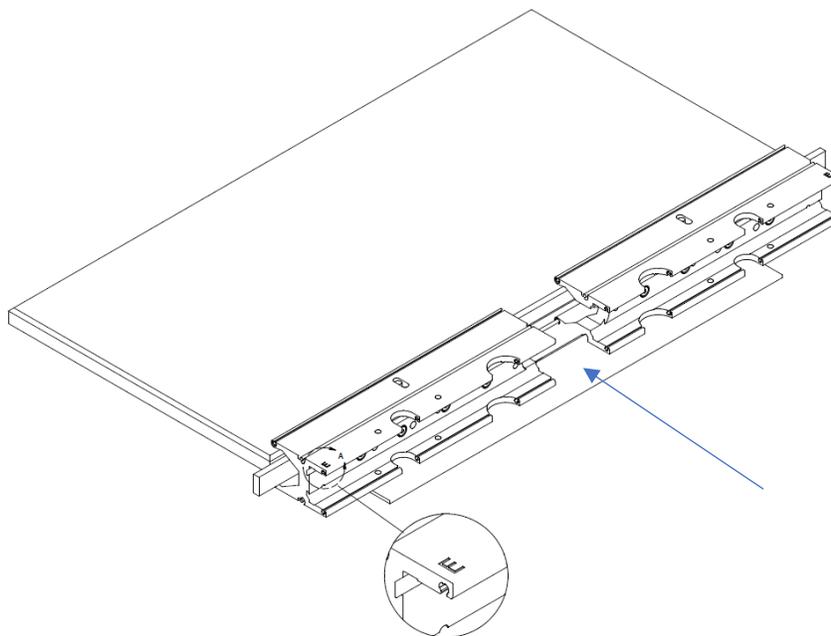


- **LOCK INSTALLATION:** For CRL 777S Lock installation, flip the swing side Rail Body so that the “E” is on the inner end.



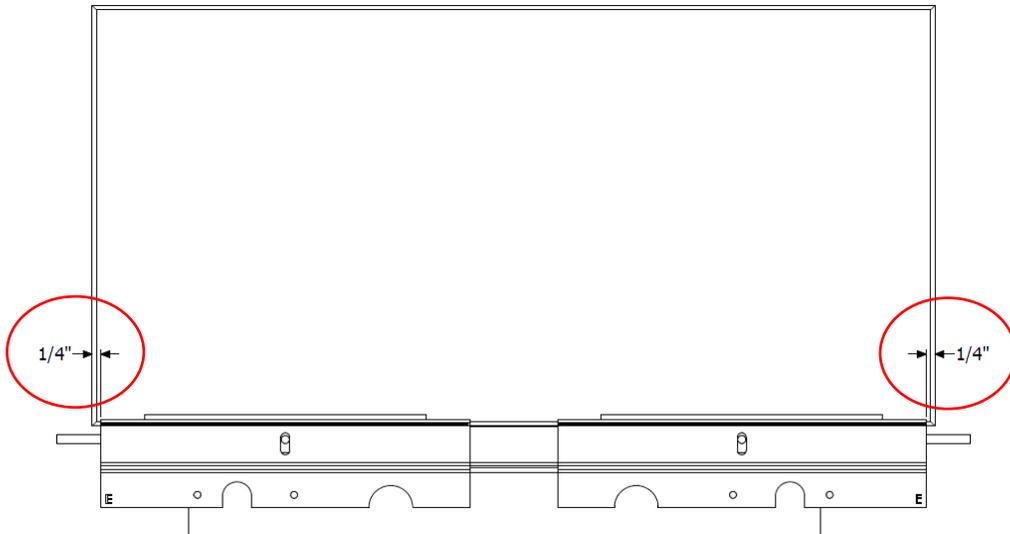
**STEP 3:** Slip Rail Bodies with Side Cover onto the glass.

**IMPORTANT:** Each Rail Body has a spacer block installed to keep the glass clamps separated and allow easy positioning onto the glass. **Do not remove until STEP 5.**

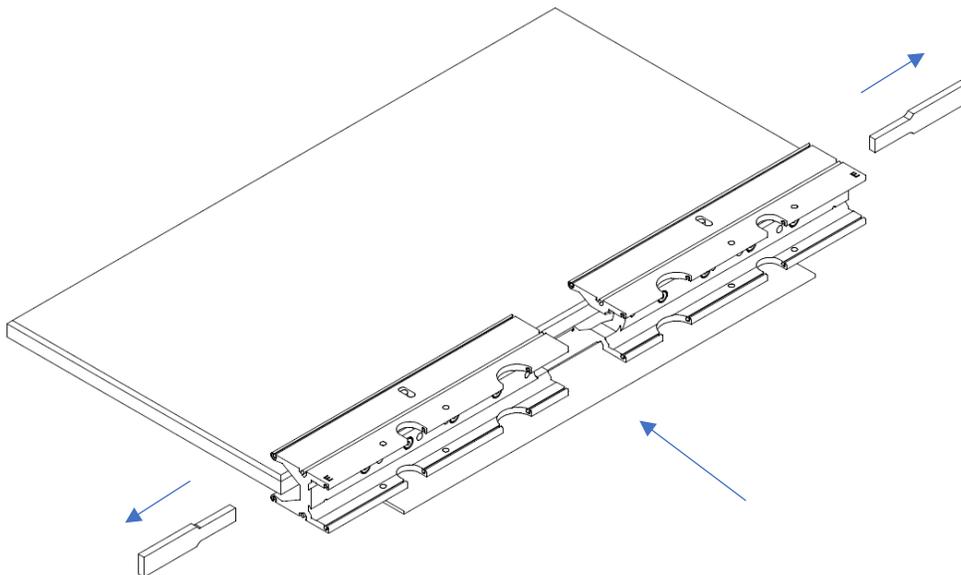


**STEP 4:** Position each Rail Body 1/4" from the vertical edges of the glass using either a tape measure or a DRX Jig (DRXJIG). This will ensure End Caps are flush when they are attached.

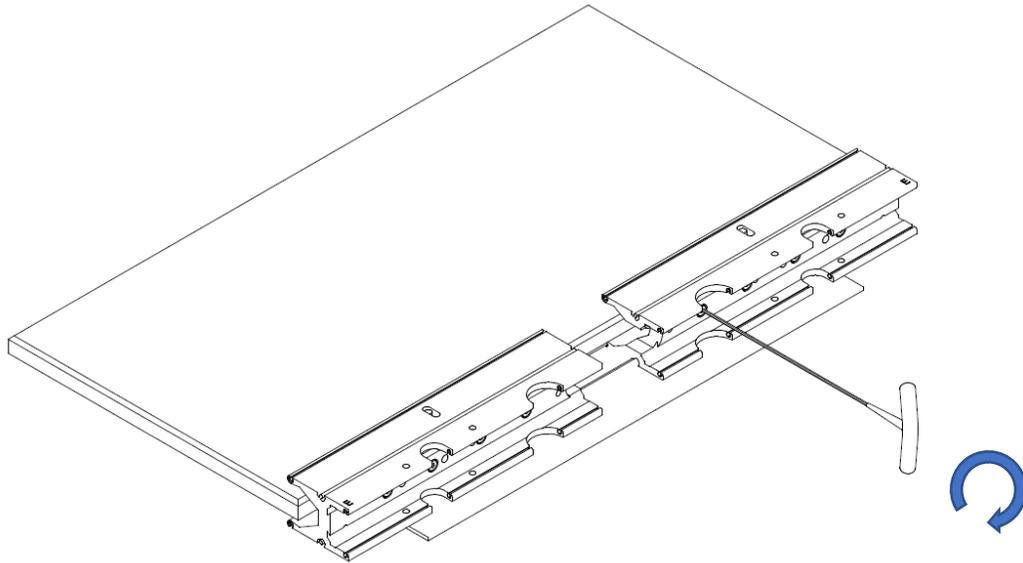
**IMPORTANT:** If glass is oversized in width, adjust 1/4" spacing as needed. You may also adjust the length of the Side Covers. **End Caps must fit snug to Side Covers when installed.**



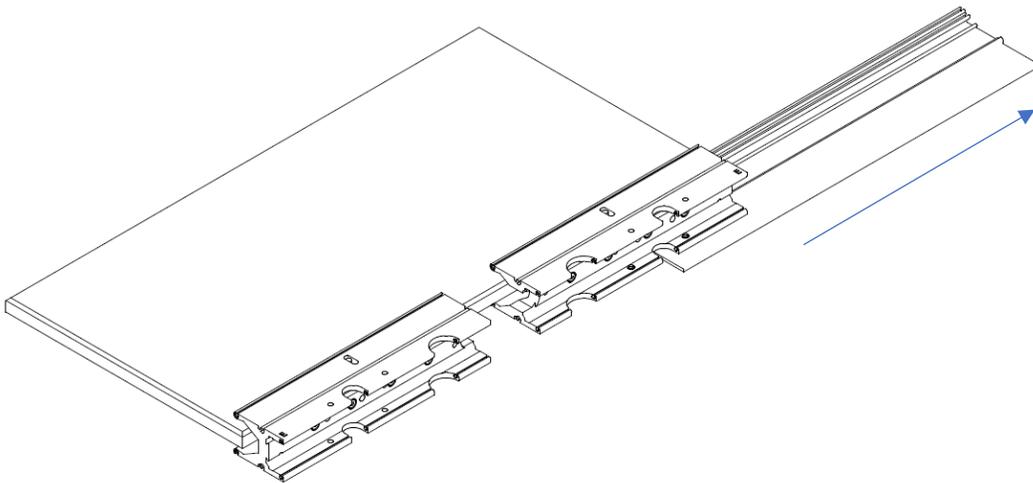
**STEP 5:** After proper positioning is achieved, pull the spacer blocks out from each of the Rail Bodies, then push the Rail Body clamps over the glass until the glass bottoms out on the nut strip.



**STEP 6:** Snug all pre-installed socket head cap screws on the Rail Bodies from left to right using a 3/16" T-Handle Hex Key (T912 sold separately). To ensure the proper torque is achieved, tighten again from left to right, only this time, turn the Hex Key until it begins to twist. This twist indicates the proper torque.

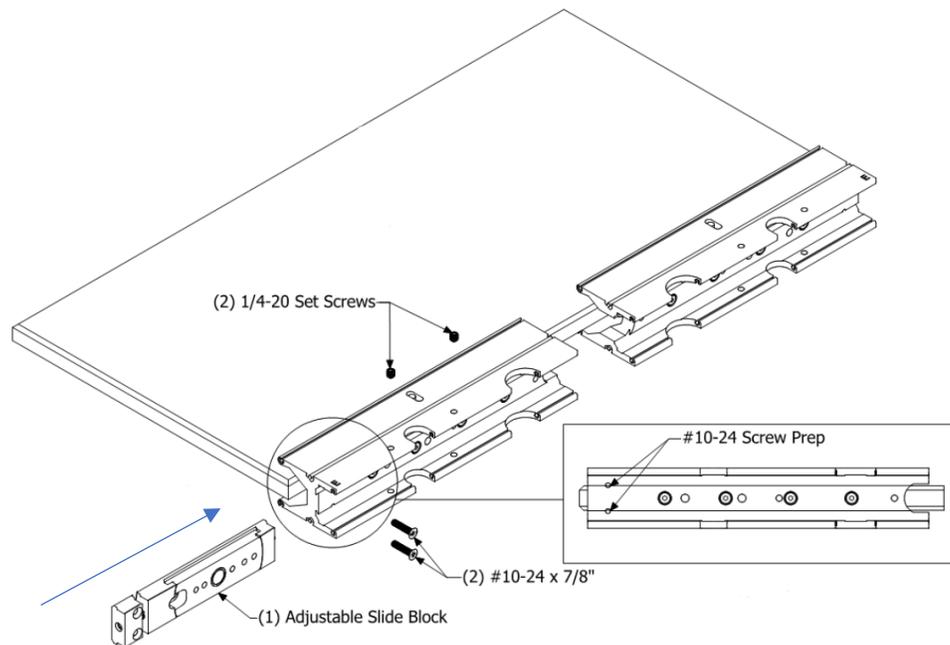


**STEP 7:** Slide off Side Cover.



**STEP 8:** Install the Adjustable Slide Block (DRX6K) by sliding assembly into the pivot end Rail Body cavity until the Adjustable Slide Block end bracket holes align with holes in the Rail Body.

Secure the Adjustable Slide Block by first fastening the two #10-24 x 7/8" Socket Head Screws. Next, secure in position with the two 1/4-20 Set Screws located on the side of the Rail Body. These Set Screws will be used to perform door centering after door is installed in opening.



**Optional:** Install CRL 777S Lock on the swing side Rail Body. The Rail Body is pre-prepped for lock installation. Remember that for lock installation, the swing side Rail Body must be flipped so that the "E" is on the inside.

**IMPORTANT: After STEP 8, the glass door is ready to be installed in the opening. Install all pivot components on the top and bottom Rail Bodies.**

When using a Jackson® Overhead Concealed Door Closer, CRL recommends the following parts:

- Part Number CRL8010AS - Short End-Load Arm Assembly
- Part Number CRL8010DP - Bottom Pivot Set

When using a Jackson® Floor Closer, CRL recommends the following parts:

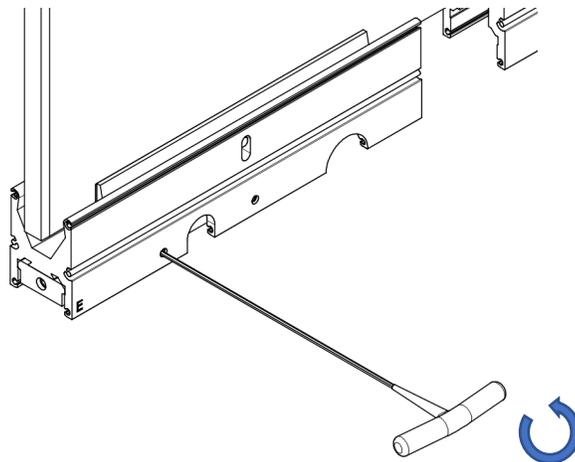
- Part Number CRL860 - Center-Hung Top Pivot Set
- Part Number CRL9040AS - Short Center-Hung Floor Closer Arm

## DOOR CENTERING ADJUSTMENT

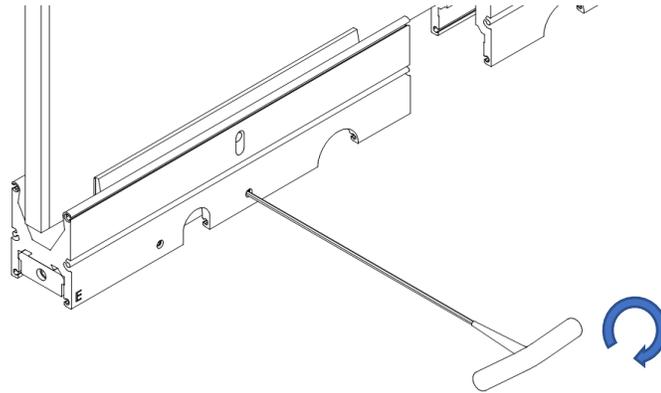
Once the glass door is installed into opening, you can proceed to make door centering adjustments. The Adjustable Slide Block starts at a 0° position and **allows ± 2° inward or outward adjustment**. To begin, position yourself on the side of the door that has the (2) Set Screws installed in STEP 8.

### TO ADJUST ANGLE AWAY FROM YOU (+ 2°)

**STEP 1:** Loosen the Set Screw closest to the pivot edge of the door by turning it counterclockwise.



**STEP 2:** Tighten the furthest Set Screw from the pivot edge by turning it clockwise until desired angle is reached.

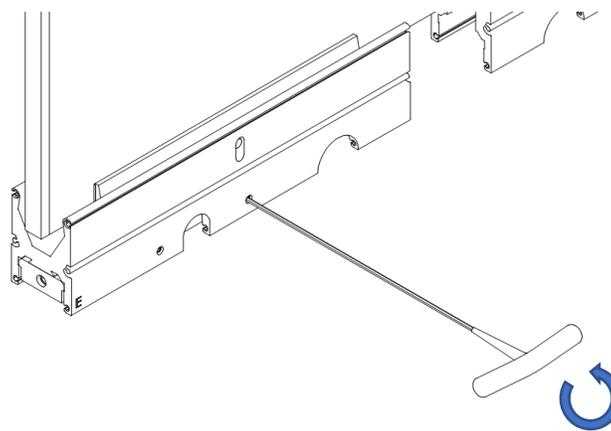


**STEP 3:** Tighten the Set Screw that was loosened (closest to the pivot) until it touches the Adjustable Slide Block (you will feel resistance to tightening).

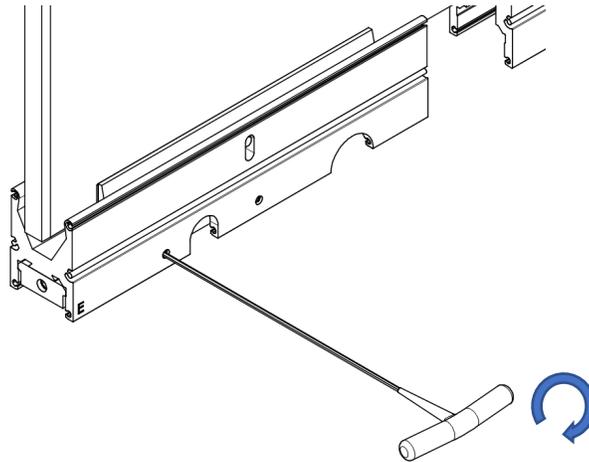
**IMPORTANT:** Set Screws must be flush or recessed into the Rail Body so there are no obstructions when sliding on the Side Covers.

### TO ADJUST ANGLE TOWARDS YOU (- 2°)

**STEP 1:** Loosen the Set Screw furthest from the pivot edge of the door by turning it counterclockwise.



**STEP 2:** Tighten the Set Screw closest to the pivot edge by turning it clockwise until desired angle is reached.

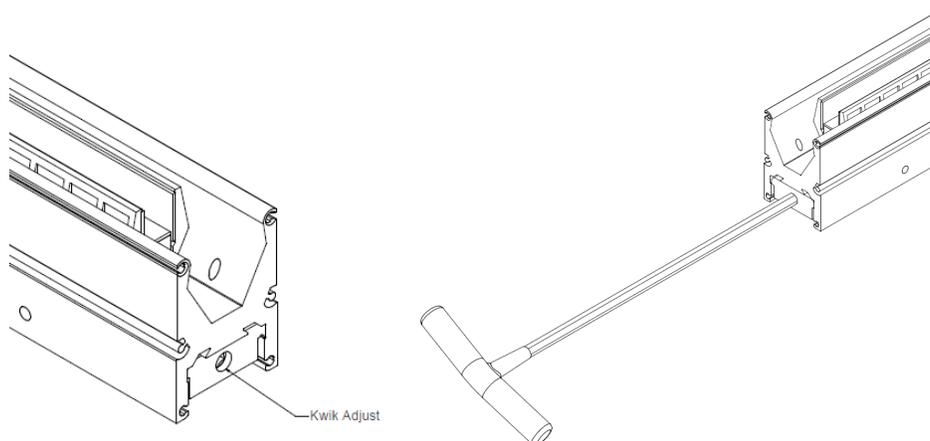


**STEP 3:** Tighten the Set Screw that was loosened (furthest from the pivot) until it touches the Adjustable Slide Block (you will feel resistance to tightening).

**IMPORTANT:** Set Screws must be flush or recessed into the Rail Body so there are no obstructions when sliding on the Side Covers.

## LATERAL DOOR ADJUSTMENT

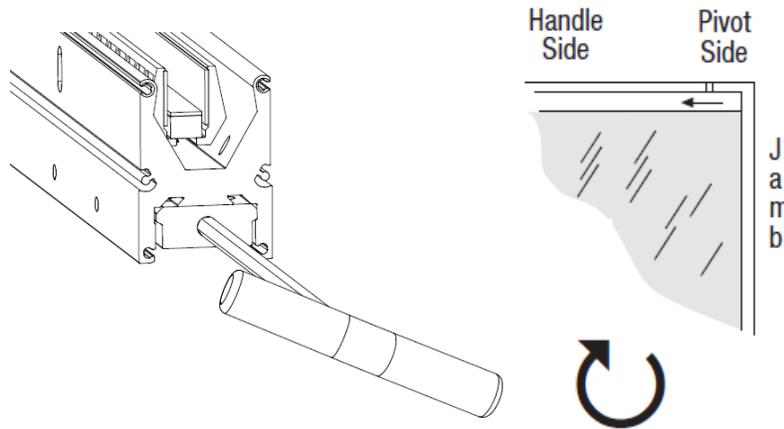
The DRX Kwik-Adjust™ Pivot Alignment System allows lateral adjustment of the door. This adjustment will change the reveal between the edge of the door and adjacent fixed panel or jamb/wall. The Kwik-Adjust System allows the pivot point to be adjusted to a position other than the standard American setback of 2-3/4" (70 mm). The Kwik-Adjust System provides up to 3/16" (5 mm) of adjustment in either direction.



**ADJUSTING PIVOT POINT AWAY FROM THE WALL OR JAMB**

**STEP 1:** Open the door to a 90-degree angle. This will reveal the adjustment screw.

**STEP 2:** Insert the T-Handle Hex Key into the adjustment screw and turn screw clockwise to achieve desired clearance away from the fixed panel or jamb/wall.

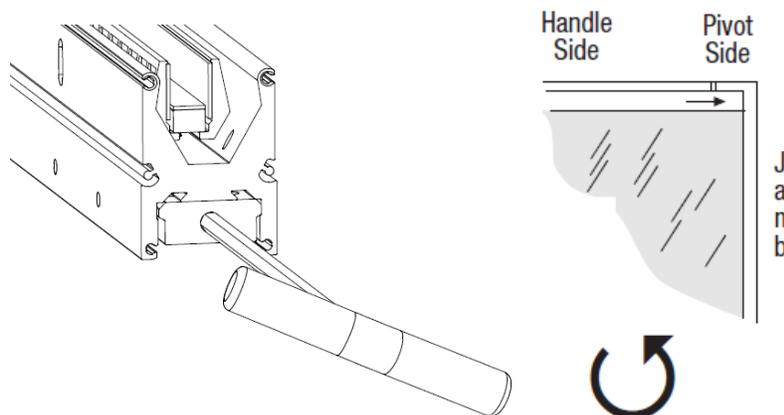


**Helpful Hint:** One full turn of the socket head cap screw will adjust the door 1/16" (1.6 mm)

**ADJUSTING THE DOOR RAIL TOWARDS THE WALL OR JAMB**

**STEP 1:** Open the door to a 90-degree angle. This will reveal the adjustment screw.

**STEP 2:** Insert T-Handle Hex Key into the adjustment screw and turn screw counterclockwise to achieve desired position towards the fixed panel or wall/jamb.

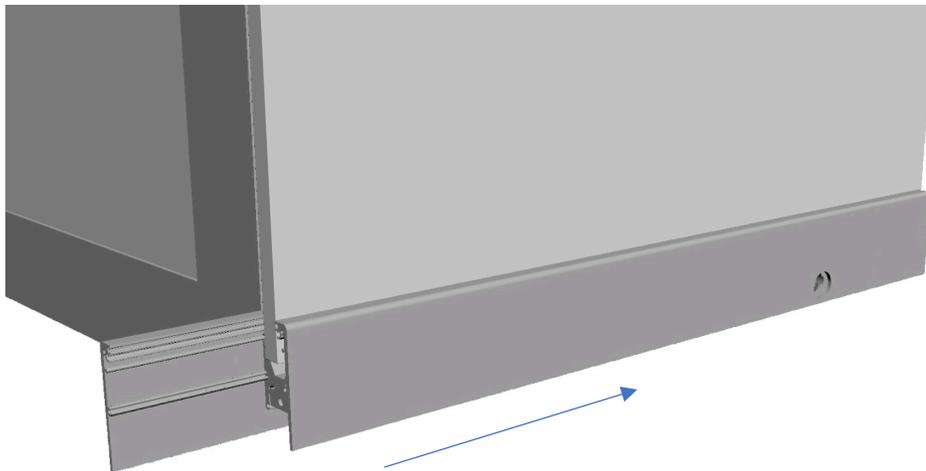


## SIDE COVER AND END CAP INSTALLATION

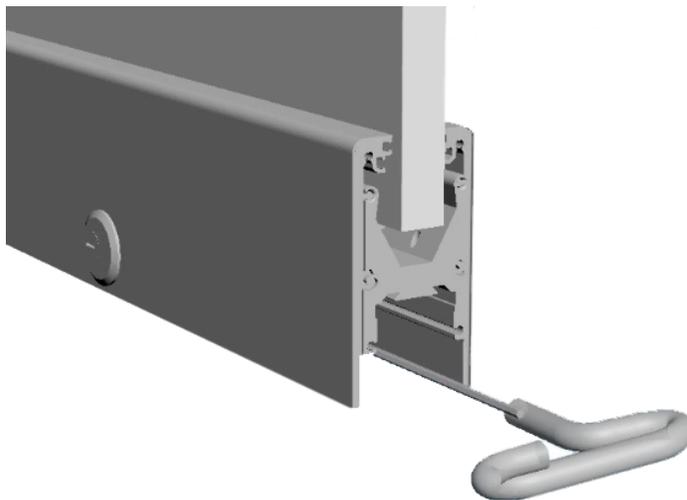
After all door adjustments are completed, Side Covers and End Caps can be attached. This can be done during door installation or any time after. **The door is fully functional without Side Covers and End Caps.**

**STEP 1:** Insert Gaskets (DRXG) along the top raceways of the Side Covers. **Note that gaskets are not used with 3/4" glazing.**

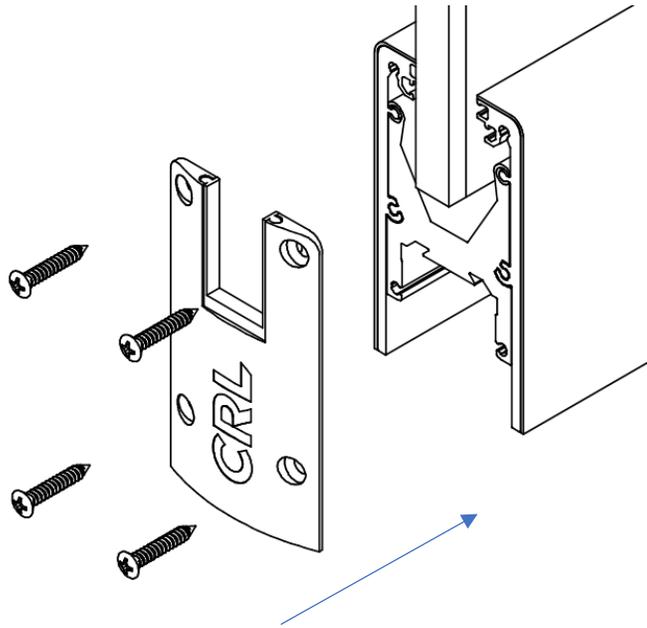
**STEP 2:** Slide each Side Cover into the raceways along the Rail Bodies. The Rail Bodies can accommodate 4" square, 4" tapered, and 10" square Side Covers.



**STEP 3:** If a CRL 777S Rail Lock is being used, install the cylinder by tightening the cylinder set screws at the end of the Rail Body.



**STEP 4:** Install the End Caps by fastening the end cap screws to the Rail Bodies and Side Covers.



The CRL logo is centered at the top of the page. It consists of the letters 'CRL' in a bold, black, sans-serif font, with a registered trademark symbol (®) to the upper right of the 'L'. The logo is set against a white background within a decorative blue border.

## Limited Warranty and Liability Information

# Architectural Hardware Products

### GENERAL WARRANTY

C.R. Laurence Co., Inc. (CRL) warrants to our immediate customer only, that its Architectural Hardware Products will be free of material defects and defects in workmanship for a period of two (2) years from date of invoice. All warranty claims are subject to inspection by CRL prior to CRL providing a remedy for the warranty claim.

This Warranty will not apply if, after inspection by CRL, it is determined that the Architectural Hardware Product has been installed and maintained in a manner that is not in conformity with the instructions and guidelines set forth by CRL for proper installation and maintenance.

CRL's responsibility to provide a remedy under this Warranty shall be limited in its sole discretion to either a refund of the purchase price, or to provide a replacement of the Architectural Hardware Product. The refund or replacement shall constitute the limit of CRL's liability and obligation for any material defect or defect in workmanship in Architectural Hardware Products.

This warranty excludes product failure caused by normal weathering, chalking, scratching, fading, corrosive atmospheric contaminants (e.g. chemical fumes, pollution), negligence, abuse, accident, shipping, improper use or installation, fire, flood, exposure to corrosive elements or acts of God or other causes unrelated to defective materials or workmanship.

This Warranty is exclusive, and CRL makes no other warranty, express or implied, including without limitation, any implied warranty of merchantability or fitness for a particular purpose. In no event shall CRL be liable under any legal theory (including but not limited to contract, negligence, strict liability in tort, or warranty of any kind) for any indirect, special, incidental, consequential, or exemplary damages (including but not limited to lost profits).

C.R. Laurence Co., Inc. 2503 E. Vernon Ave. Los Angeles, CA 90058  
Phone (800) 421-6144 Fax (800) 262-3299