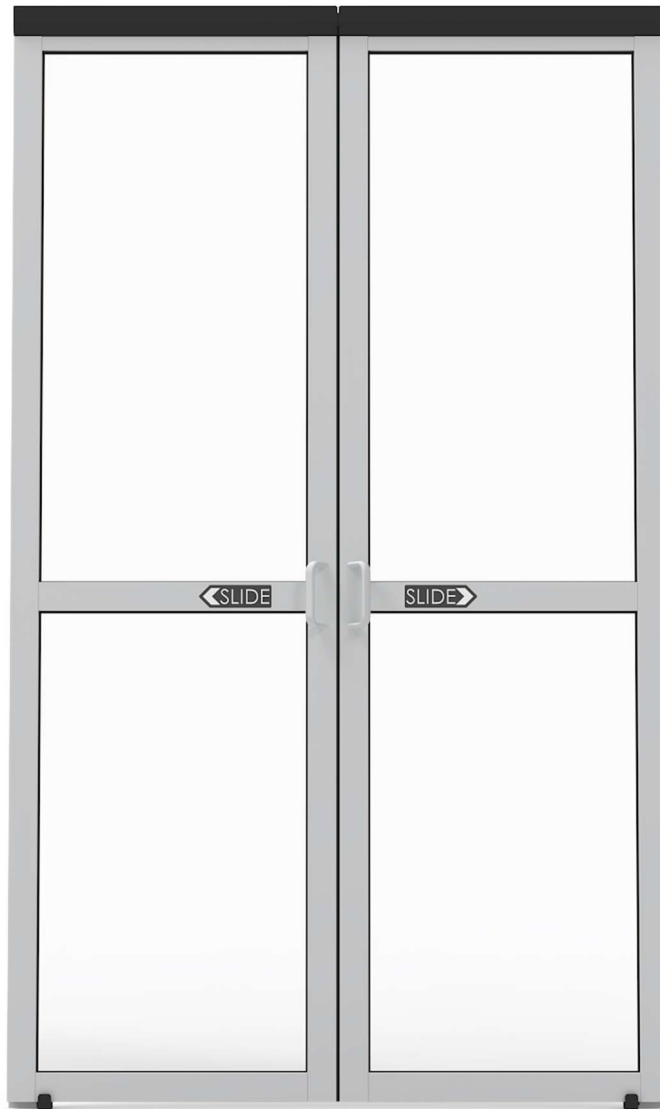


ACCELEVATION  
CONTAINMENT PRODUCTS

# INSTALLATION MANUAL



## SINGLE SLIDING DOOR (SSD) & DUAL SLIDING DOOR (DSD)

V1.1 - Updated 10/29/2024

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## Tools Required

1. Bubble Level
2. #2 Phillips Head Screwdriver
3. #2 Flat Head Screwdriver
4. Socket Wrench
5. 10mm Socket
6. 1<sup>1</sup>/<sub>32</sub>" Socket
7. 3<sup>3</sup>/<sub>8</sub>" Socket
8. 7<sup>7</sup>/<sub>16</sub>" Socket
9. 1<sup>1</sup>/<sub>2</sub>" Socket
10. 4mm Hex Key

## Hardware Kits

### Single Sliding Door Installation Kit

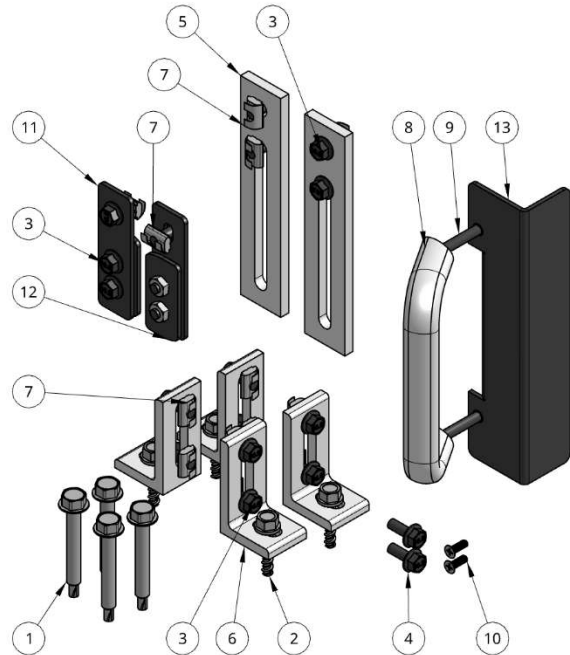


Figure 1. Single Sliding Door Installation Kit Contents

#### Installation Kit Hardware Contents:

1. (4x)  $\frac{5}{16}$ " Metal Drilling Screw
2. (4x)  $\frac{1}{4}$ " x  $1\frac{1}{4}$ " Concrete Anchor
3. (18x) M6x14 Flanged Hex Screw
4. (4x) M6x16 Flanged Hex Screw
5. (2x) 1.25" x 150mm Slotted Flat Plate
6. (4x) 1.5" x 2.5" Slotted Corner Bracket
7. (14x) 14x6mm T-Slot Nut
8. (1x) 128mm Angled U-Handle
9. (2x) M6x40 Flat Head Screw
10. (4x) #8-32 x  $\frac{1}{2}$ " Flat Head Screw
11. (2x) Top Panel Bracket
12. (2x) Top Panel M6 Nut Plate
13. (1x) SSD Latch Integrated Door Handle

### Dual Sliding Door Installation Kit

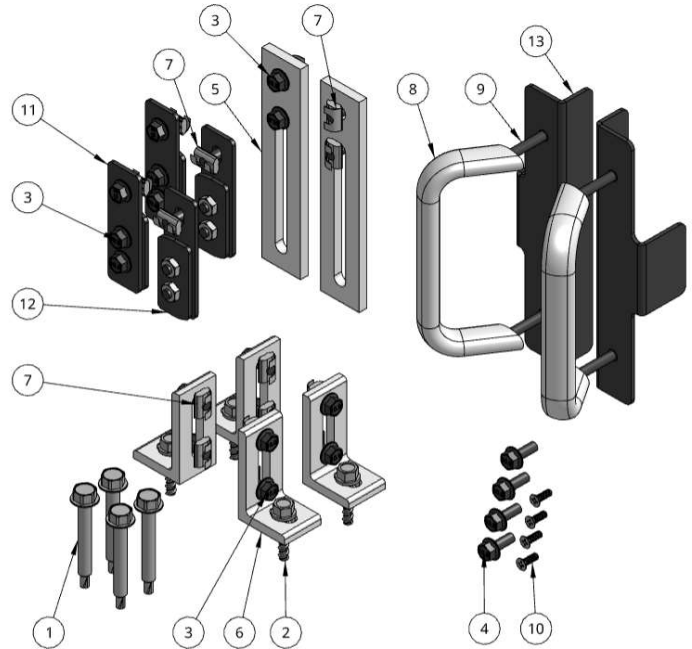


Figure 2. Dual Sliding Door Installation Kit Contents

#### Installation Kit Hardware Contents:

1. (4x)  $\frac{5}{16}$ " Metal Drilling Screw
2. (4x)  $\frac{1}{4}$ " x  $1\frac{1}{4}$ " Concrete Anchor
3. (24x) M6x14 Flanged Hex Screw
4. (4x) M6x16 Flanged Hex Screw
5. (2x) 1.25" x 150mm Slotted Flat Plate
6. (4x) 1.5" x 2.5" Slotted Corner Bracket
7. (16x) 14x6mm T-Slot Nut
8. (2x) 128mm Angled U-Handle
9. (4x) M6x40 Flat Head Screw
10. (4x) #8-32 x  $\frac{1}{2}$ " Flat Head Screw
11. (4x) Top Panel Bracket
12. (4x) Top Panel M6 Nut Plate
13. (2x) DSD Latch Integrated Door Handle

## Installation Instructions

1. Lay out the location of the doors on the floor according to the specified containment structure dimensions. The aisle length is defined as the distance between the interior faces of the door frames.
2. Determine the floor anchoring locations based on the available bracket mounting locations (see *Figure 3*).
3. Attach the 1.5" x 2.5" slotted corner brackets to the door frame using M6x14 flanged hex screws and 14x6mm T-Slot nuts.
  - a. **NOTE:** If mounting the 1.5" x 2.5" slotted corner bracket to the inside of the frame, replace the M6x14mm door guide mounting screws with the included M6x16mm screws, sandwiching the door guide bracket between the slotted corner bracket and the frame (see *Figure 4*).
4. Measure and mark the hole locations to drill pilot holes for anchoring the door frame to the floor.
 

**NOTE:** Supplement drilling with a HEPA vacuum.

  - a. **For raised access floors**, pre-drill a 2" deep hole (or drill through the tile) using a 1/4" twist drill bit and drill. Anchor the slotted corner brackets to the floor using the included 5/16" metal drilling screws. Avoid drilling into the Raised Floor Stringers or Pedestals below.
 

**NOTE:** Leave anchor screws loose for leveling process.
  - b. **For concrete slab floors**, pre-drill a 1-3/4" deep hole using a 1/4" masonry drill bit and hammer drill. Anchor the slotted corner brackets to the concrete slab using 1/4" x 1-1/4" concrete anchors. **NOTE:** Leave anchor screws loose for leveling process.
5. Use a large bubble level to confirm that the frame header is level and that the frame stiles are plumb. Confirm that the frame width is consistent from top to bottom.
6. Tighten the anchor to secure the frame.

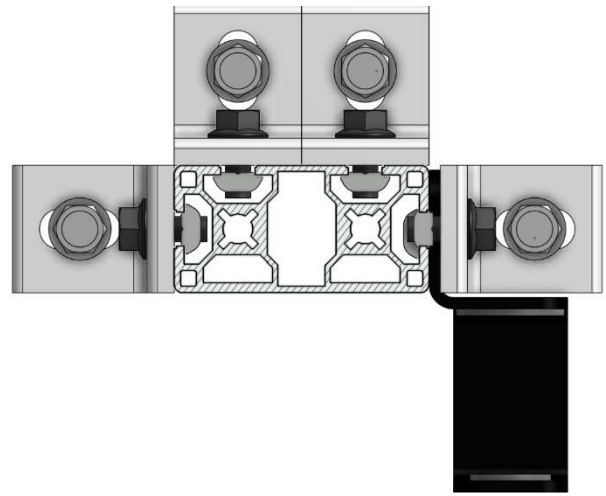


Figure 3. Available bracket mounting locations.

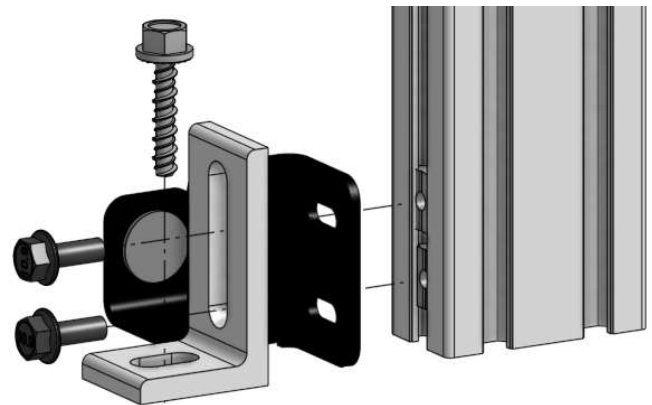


Figure 4. Sandwich the door guide bracket between the slotted corner bracket and frame.

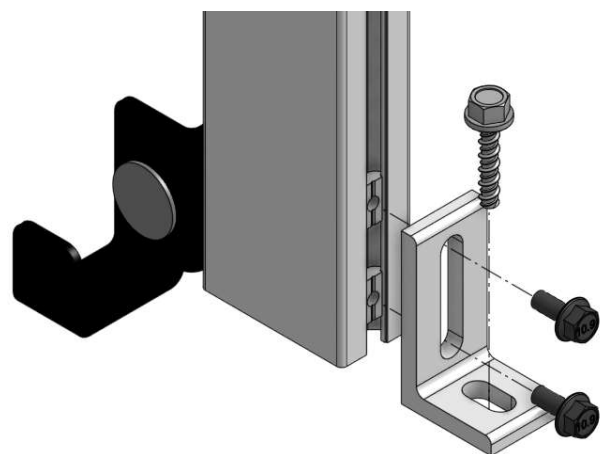
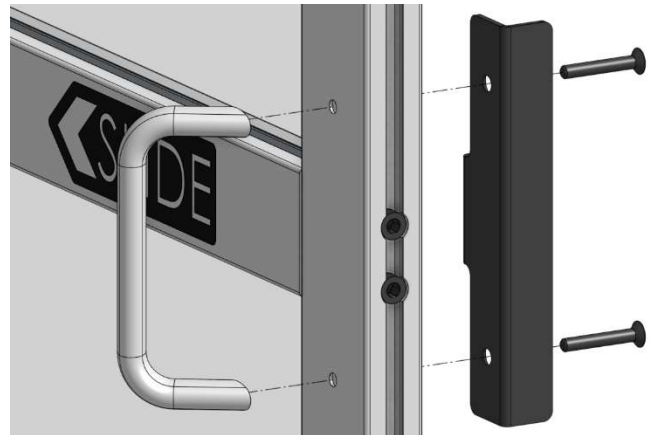
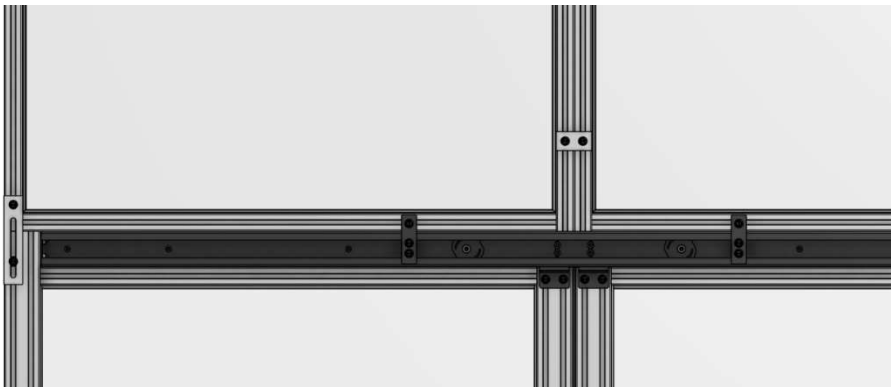


Figure 5. Anchor the corner bracket to the floor using appropriate fastener.

7. Remove any remaining shipping brackets holding the door panel(s) secure. Save remaining brackets for potential later use.
8. Attach the SSD/DSD Latch Integrated Door Handle(s) and 128mm Angled U-Handle(s) to the door panel(s) using a 4mm Hex Key. Pass the M6x40 Flat Head Screws through the Latch Integrated Door Handle and door panel and screw into the internal threads of the 128mm Angled U-Handle(s) (see *Figure 6*).
9. Fasten wing/over-door panels using included Slotted Flat Plates or Top Panel Brackets. Where necessary, re-use shipping brackets to attach additional panels. Always fasten over-door panels at no less than 2 mounting points (see *Figures 7-9*).



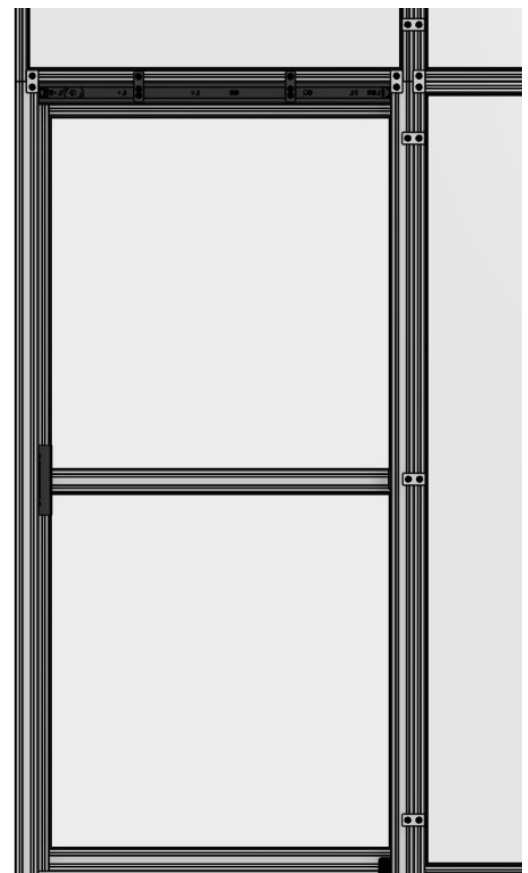
*Figure 6. Fasten the U-Handle and Integrated Latch Handle to the door panel.*



*Figure 7. Fasten over-door panels using a combination of included brackets.*



*Figure 8. Always fasten over-door panels at no less than 2 mounting positions.*



*Figure 9. Re-use shipping brackets and hardware to attach wing/top panels when necessary.*

## Adjustment Instructions

### Reveal Adjustment

1. Evaluate the reveal and seal between the door(s). If the reveal is consistent from top to bottom (see Figure 10) and the doors properly seal together with no gaps (DSD), proceed to the auto-close cylinder damping adjustment instructions below. If the reveal is inconsistent from top to bottom, adjust the reveal per the following instructions.



Figure 10. The reveal between the doors is consistent from top to bottom.



Figure 11. The reveal between the doors is larger at the bottom. **Complete steps 2-3 and 6-12, skipping steps 4-5, to adjust the reveal.**



Figure 12. The reveal between the doors is larger at the top. **Complete steps 2-12 to adjust the reveal.**

2. Remove the #10-24 screws and nuts that attach the auto-close cylinder bracket to the header using a #2 Phillips Head Screwdriver and  $\frac{3}{8}$ " Socket. Rotate the auto-close cylinder bracket(s) so that the through holes face away from the header to keep the cylinder from retracting into the door panel (see Figure 13).
3. (DSD Only) Loosen the M6x14mm flanged hex head screws that attach the magnetic latch brackets to the door panels using a 10mm socket. Slide the brackets down 6".
4. **For a gap at the top of the doors (see Figure 12),** reorient the door slide adjustment cam so that its alignment arrows point downward.

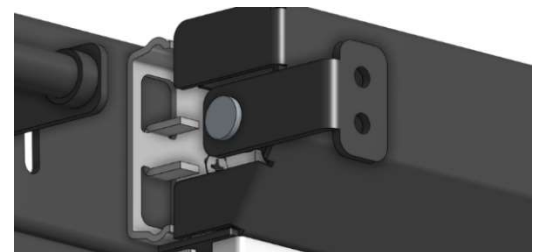


Figure 13. The auto-close bracket keeps the cylinder from retracting into the door top rail.



Figure 14. Slide magnetic brackets downward.

- a. Remove the screw attaching the door slide to the adjustment cam through the header using a #2 Phillips Head Screwdriver. Remove the adjustment cam.
  - b. Reinstall the adjustment cam so that the alignment arrows point downward (see Figure 15). Re-insert the screw attaching the door slide to the cam through the header using a #2 Phillips head screwdriver. Keep the adjustment cam screw snug, but not tight.
5. Loosen all but the outermost door slide body screws that fasten the door slide to the header using a #2 Phillips Head Screwdriver and appropriate socket size. During adjustment, keep the adjustment cam screw snug, but not tight (see Figure 16).
  6. Close the door panel(s) so that the door slide adjustment cam screw is just accessible. **NOTE:** Completely opening the door panel(s) during adjustment may prohibit proper reveal alignment and seal between door panel(s) (DSD).

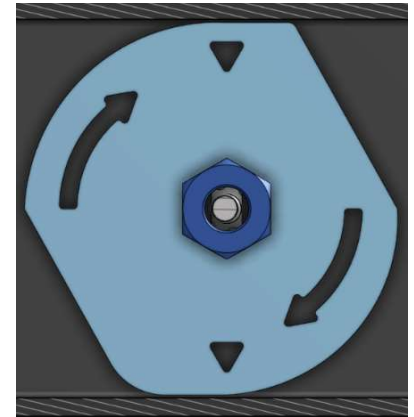


Figure 15. Reorient the adjustment cam to close the gap between the top of the doors.



Figure 16. Loosen the intermediate door slide screws, keeping the outermost screw tight and the adjustment cam screw snug.

7. To align the gap between the door panels (DSD) or align the door panel with the frame stiles (SSD), rotate the cam clockwise using a wrench and 1/2" socket until the reveal is consistent from top to bottom (see Figure 17). **NOTE:** The adjustment cams should be adjusted equally (DSD Only).
8. Tighten the cam adjustment screw using a #2 Phillips head screwdriver. Ensure the adjustment cam does not rotate when tightening the screw.
9. Open the door panels just enough to access and tighten each successive mounting screw using a #2 Phillips Head Screwdriver and appropriate socket (see NOTE on step 6).
10. (DSD Only) Slide the magnetic latch brackets back to their original position, setting the gap between the brackets and the magnets to 1/32" (see Figure 18). Tighten the M6x14 flanged hex head screws that attach the magnetic latch brackets to the door panels using a 10mm socket.
11. With all hardware tightened, open and close the door(s) fully to confirm the reveal remains consistent from top to bottom and the doors seal effectively.



Figure 17. The door slide adjustment cam inside the header adjusts the panel alignment.



Figure 18. Set the gap between the magnets and latch brackets to approx. 1/32" (8 sheets of paper.)

12. Re-attach the auto-close cylinder bracket to the header using the #10-24 screws and nuts. Ensure the bracket aligns the auto-close cylinder with the line of travel (see *Figure 19*). NOTE: Failure to align the auto-close cylinder properly may result in binding or damaging the cylinder.

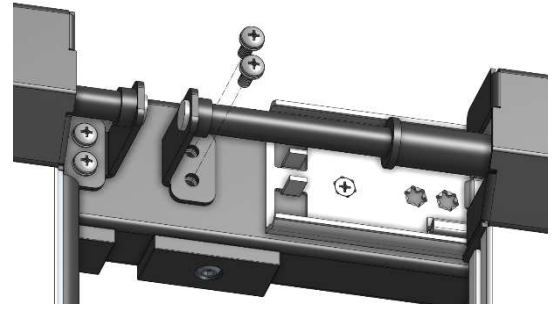


Figure 19. Attach the auto-close bracket to the header.

## Auto-Close Cylinder Damping Adjustment

1. Access the auto-close cylinder damping screw through the hole in the top of the door panel top rail. Use a #2 Flathead Screwdriver to adjust the auto-close damping (see *Figure 20*). NOTE: Unthreading screw too far will result in the damping screw and O-ring popping out of the cylinder housing, requiring door panel disassembly to replace.
  - a. **To increase the damping** and slow the closing stroke, use a #2 flathead screwdriver to turn the damping screw clockwise  $\frac{1}{4}$  turn at a time. Test the closing stroke between each adjustment. NOTE: (DSD Only) Adjust the damping screw on each door equally so that the doors reach the fully closed position simultaneously.
  - b. **To decrease the damping** and speed up the closing stroke, use a #2 flathead screwdriver to turn the damping screw counterclockwise  $\frac{1}{4}$  turn at a time. Test the closing stroke between each adjustment. NOTE: (DSD Only) Adjust the damping screw on each door equally so that the doors reach the fully closed position simultaneously.
2. **DO NOT ADJUST THE AUTO-CLOSE CYLINDER RETENTION SET SCREW** (see *Figure 21*). Overtightening the set screw can damage the auto-close mechanism. The set screw should only be adjusted during disassembly to correct the orientation of the auto-close cylinder if the cylinder damping screw (*Figure 20*) is misaligned.
3. With all adjustments completed, ensure the door seals properly and closes at an appropriate speed.

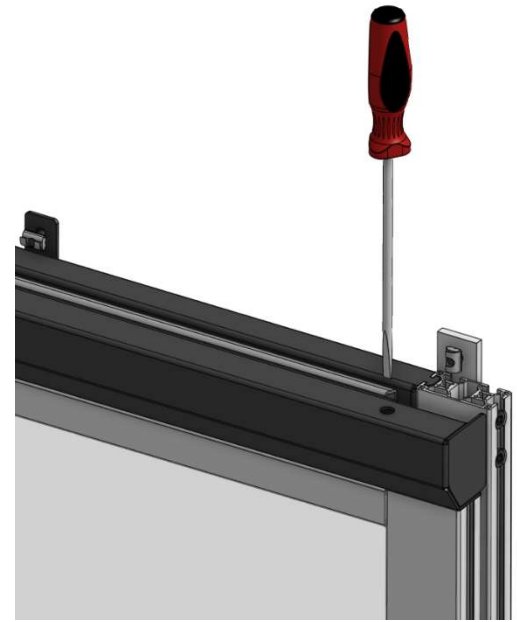


Figure 20. Access the auto-close damping adjustment screw through the hole in the top of the door panel top rail.

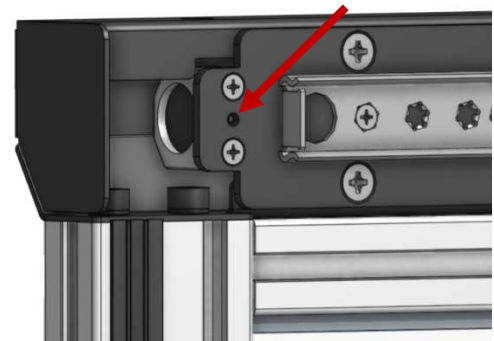


Figure 21. Access hole for auto-close cylinder retention set screw. **DO NOT ADJUST.**