

Double Sliding Door Installation Manual

Auto Closing



Revision 9.0

Safety and Handling

All items have been carefully packaged and inspected before crating. Please use caution when unpacking to prevent scratching or damage.

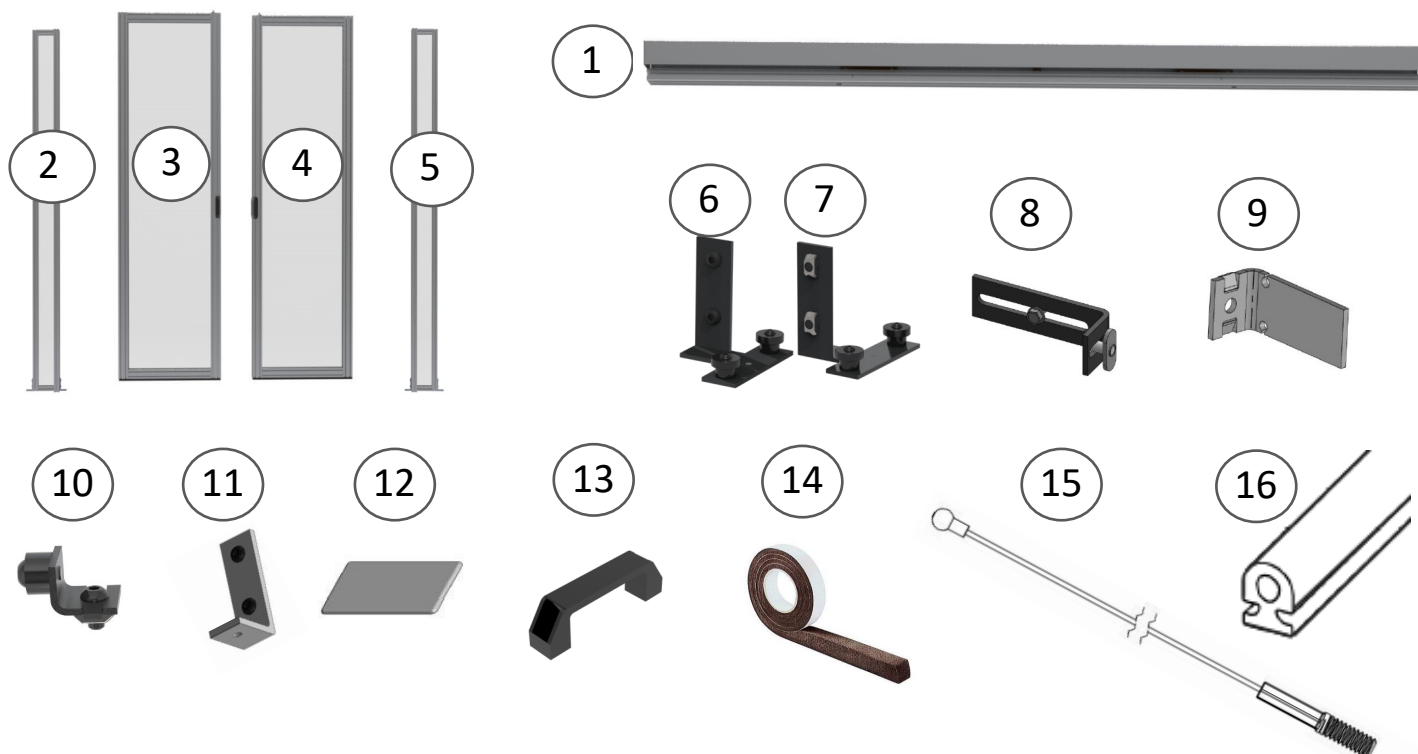
Before beginning installation, be sure to inspect all components and be sure everything is accounted for.

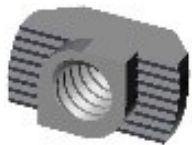
Door assembly requires two persons for safety and protection.

Tool List

Tape Measure	Step Ladder	Extension Cord	Hammer	Rubber Mallet	Level
Phillips Screw Driver	5/16 Hex Nut Driver	3/16 Hex Nut Driver	5/32 T-Handle Hex Wrench	1/8 Allen Wrench	9/32 Drill Bit
Drill	3/8 wrench	Pencil	Scissors	Utility Knife	Vacuum
* 1/4 Masonry Bit	* hammer Drill	Rags	Ammonia free cleaner		
* <i>for installation into concrete floors</i>					

Item No.	Part Number	Qty	Description
1	DSD-6000-H	1	Header Assembly
2	DSD-6000-SPL	1	Side Panel, Left
3	DSD-6000-DP	1	Door, Left
4	DSD-6000-DP	1	Door, Right
5	DSD-600-SPR	1	Side Panel, Right
6	HDW-403008R	1	Roller Door Guide, Right
7	HDW-403008L	1	Roller Door Guide, Left
8	KIT-000001	2	Formed Mounting Bracket Kit
9	HDW-402304	2	End-Stop Bracket
10	HDW-403013	2	Outside Door Retainer Assembly
11	KIT-000006	4	Floor Mount Bracket Assembly
12	HDW-401703	2	Rectangle End Cap
13	HDW-401801	4	Door Handle
14	HDW-300111	2	Expanding Foam Seal
15	HDW-402306	2	Cable Assembly, Dual Close
16	HDW-300306	1	Rubber T-Bulb Gasket

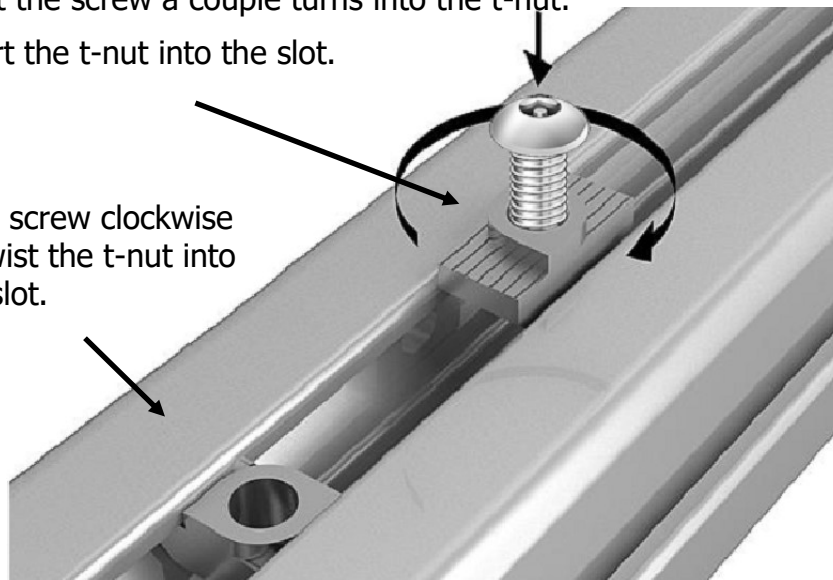




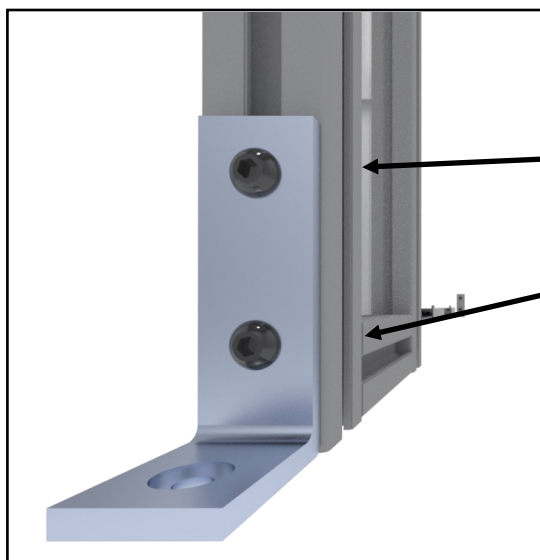
How to Install Drop-in Quarter Turn T-Nuts

1. Twist the screw a couple turns into the t-nut.
2. Insert the t-nut into the slot.

3. Turn screw clockwise to twist the t-nut into the slot.



4. Make sure t-nut has fully turned 90 degrees in the slot.

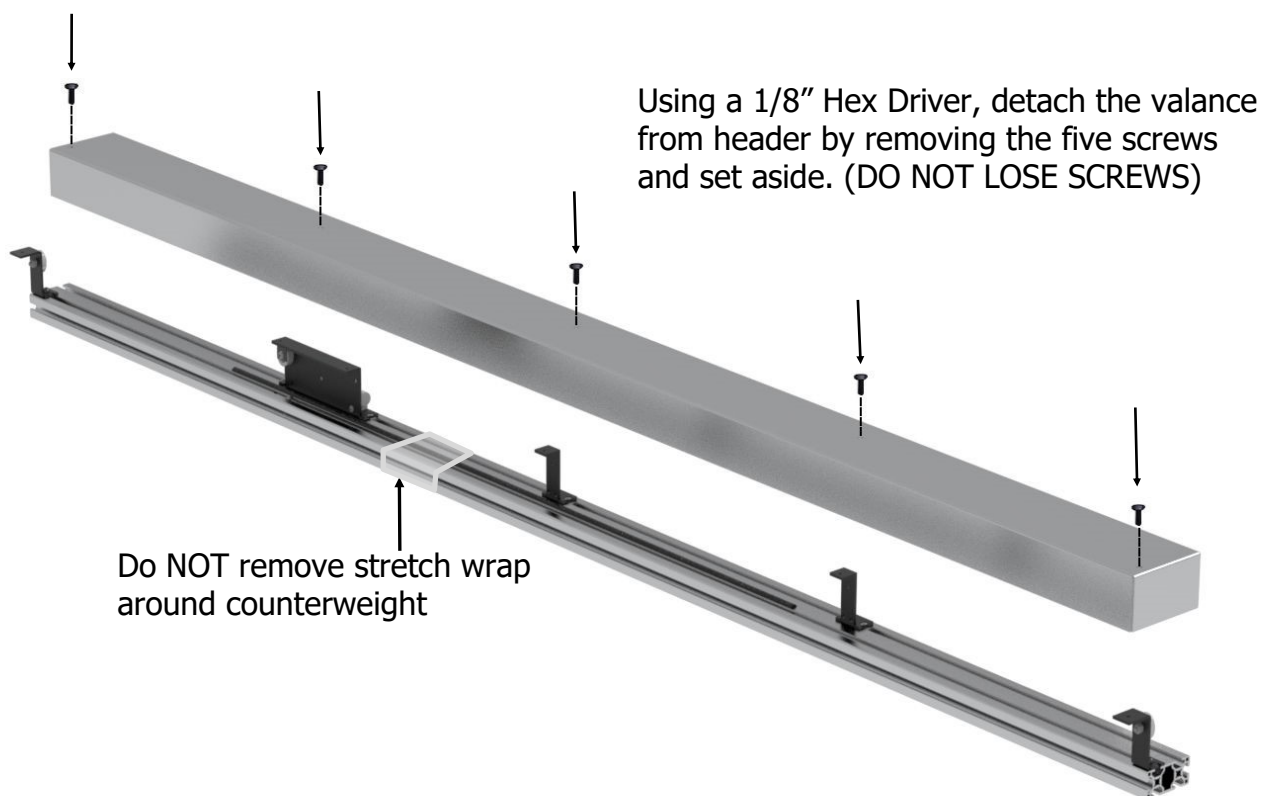


When installing brackets with more than one hole

1. Twist the screw in the first hole until the t-nut has turned, but do not to fully tighten.
2. Twist the screw in the second hole, making sure the t-nut turns, and fully tighten.
3. Return to the first screw and tighten.

1

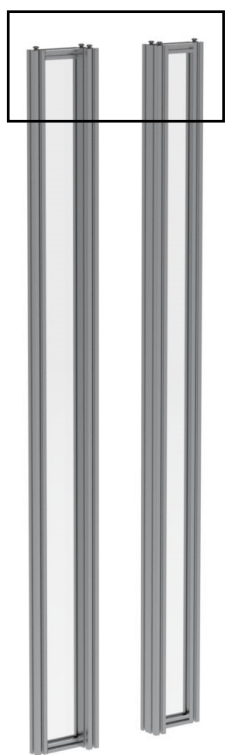
Remove Valance Cover



2

Attach Foam Tape and Remove Plastic Film from Side Panels

1. Remove the plastic film from the back of the side panels. Do NOT remove the plastic film from the front until installation is complete.

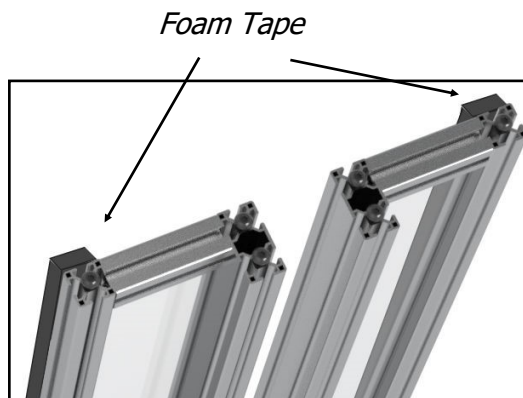


Detail A

2. Remove the paper backing from the foam tape and apply the foam tape to the back side of the side panel as shown in Detail A. The foam tape will create a seal between the side panel and the cabinet.



Expanding Foam Tape

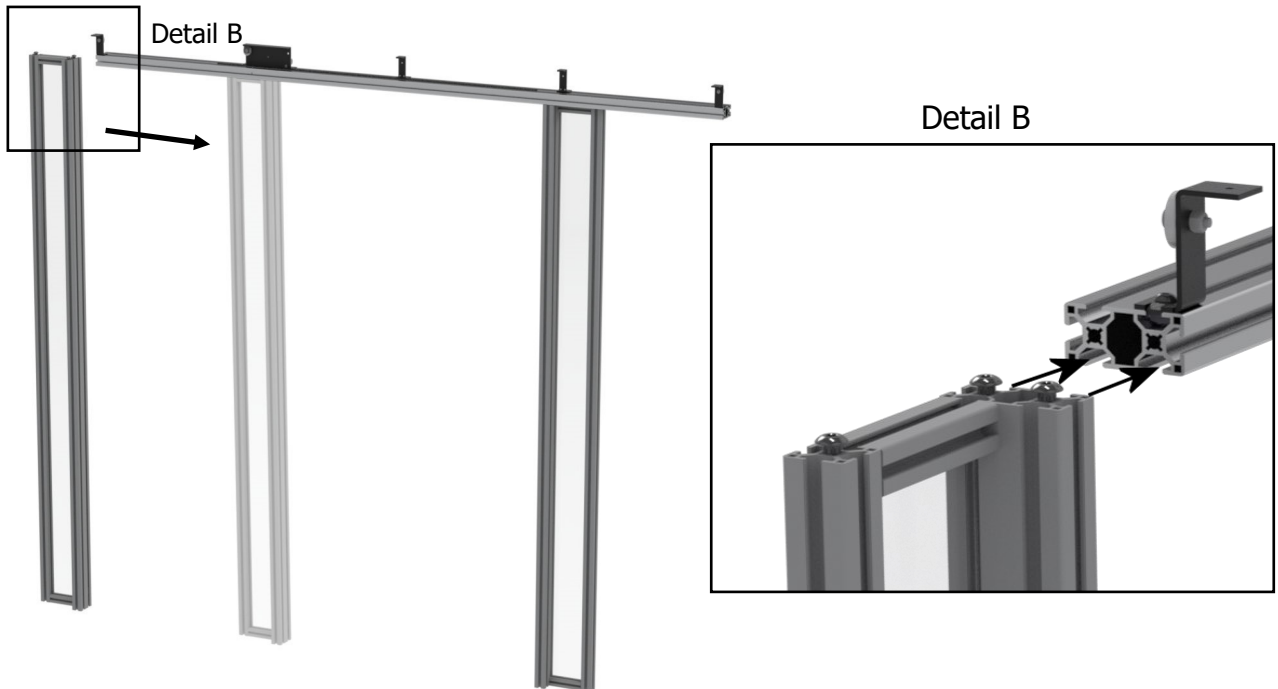


Detail A

3

Slide Side Panels Into Header

1. Using two people, line the screws up with the slots under the header (Detail B) and slide the side panels into the header.

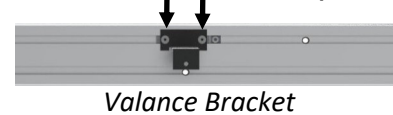
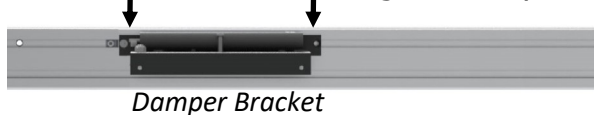


2. Slide the side panels into approximate position under the damper and valance brackets.

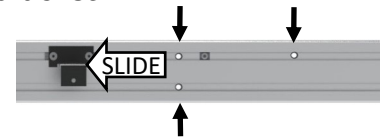
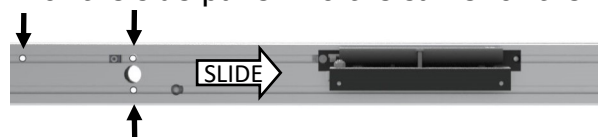
4

Secure Side Panels into Header

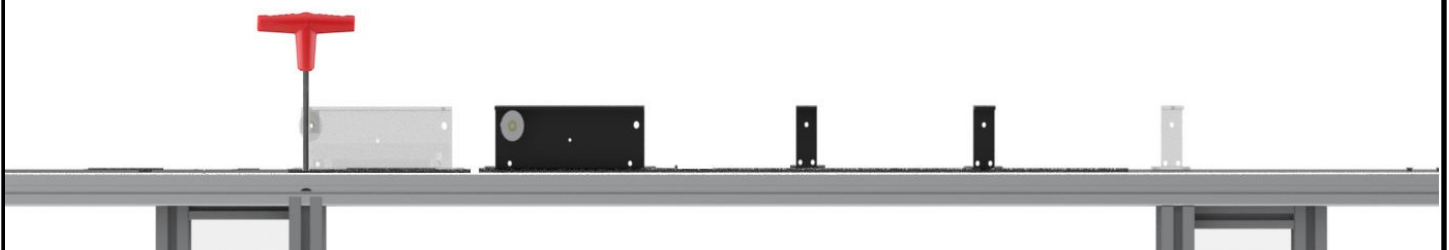
1. Loosen the screws holding the damper bracket and valance bracket in place



2. Slide the damper bracket to the side to expose the remaining access holes for the side panel. Do the same for the valance bracket.



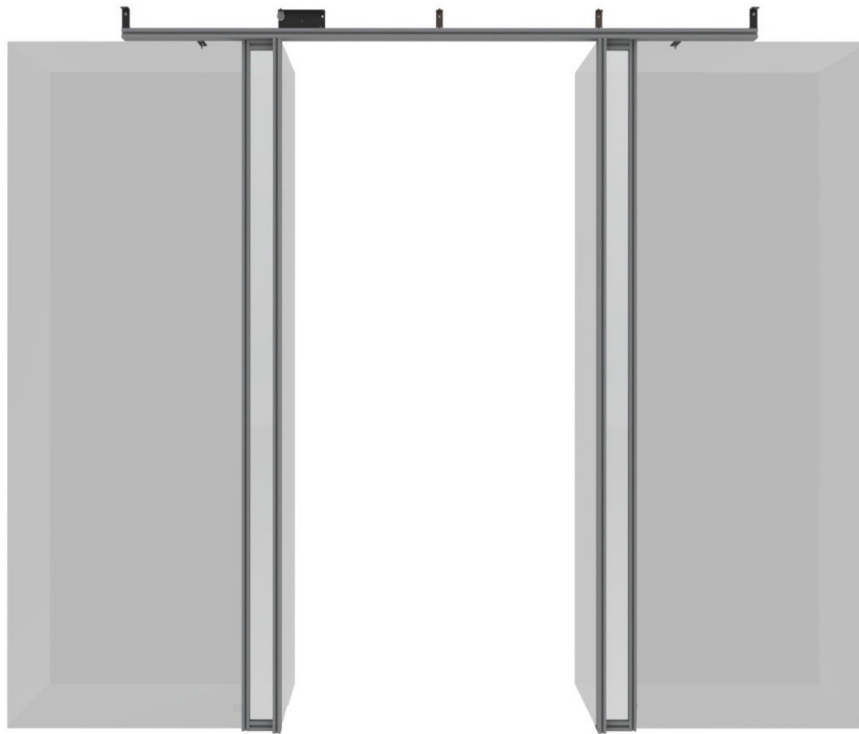
3. Line the screws on the side panel up with the access holes. Ensure that the side panel is flush with the front of the header. Tighten the screws using 3/16" T-Handle hex wrench.



5

Line Frame up to Cabinets

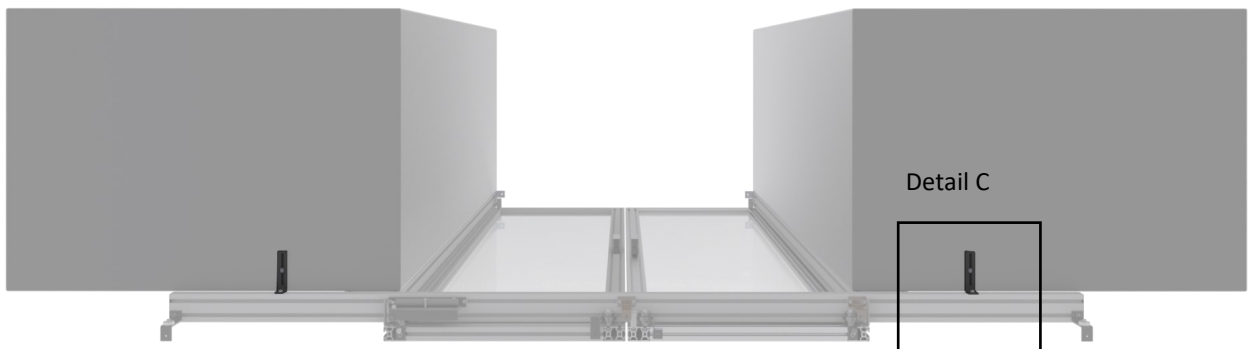
With the Header attached, stand the side panels up flush to the cabinet and center the opening between the cabinets.



6

Attach the Header to the Cabinets Using the Formed Mounting Bracket Kit

If using overhead brackets to attach doors see appendix 1



A -



B -



C -

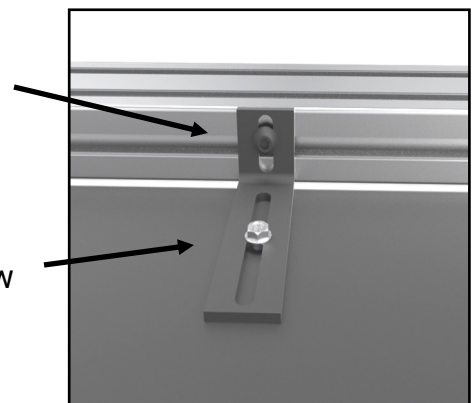


D -



1. Attach the formed mounting bracket (A) to the header using a 1/4-20 x 3/8 screw (B) and a drop in quarter turn t-nut (C).

2. Attach the formed mounting bracket to the cabinet using the #10 x 3/4" self-tapping screw (D).

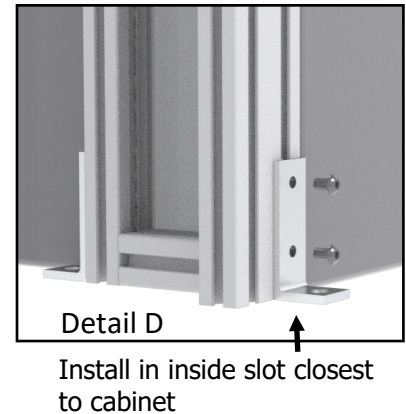
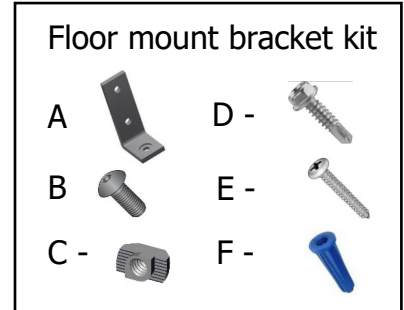
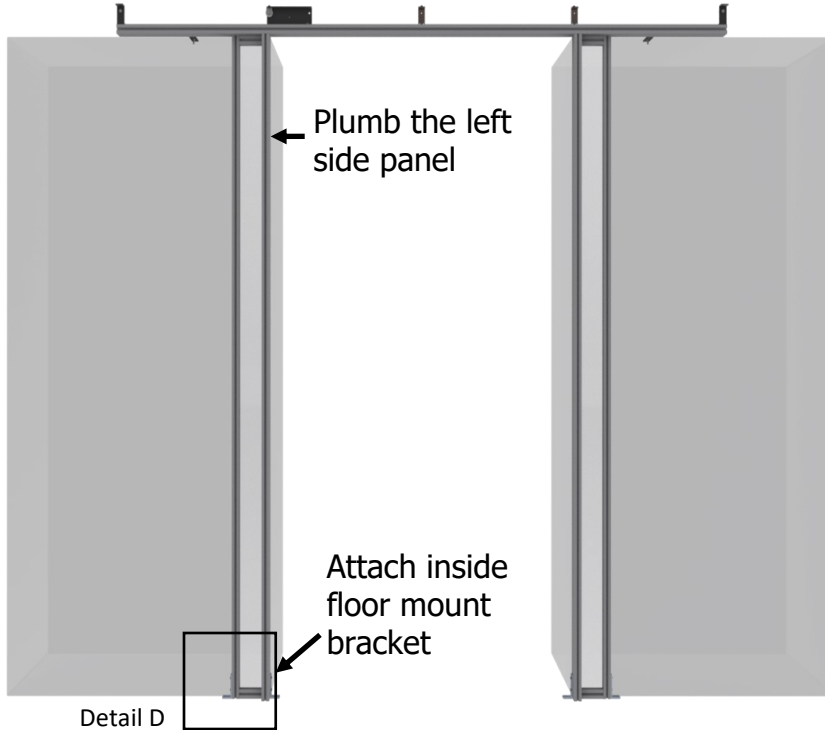


Detail C

7

Install Left Inside Floor Mount Bracket

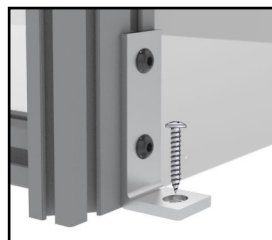
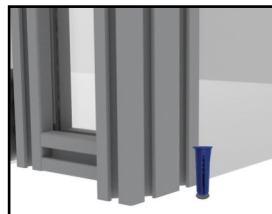
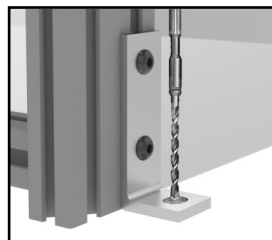
1. Plumb the left side panel
2. Attach the floor mount bracket (A) to the inside of the left side panel using the 1/4-20 x 1/2 screw (B) and the t-nut (C). **The floor mount bracket should be installed in the slot closest to the cabinet** (Detail D).



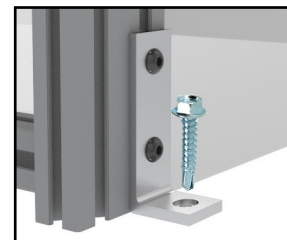
3. Attach the Floor Mount brackets to the floor.

Concrete floor installation

- a) With the side panel in the correct position, use a hammer drill with a 1/4" bit to drill through the floor mount bracket into the concrete floor
- b) Loosen the 1/4-20 screws in the floor mount bracket and remove the floor mount bracket. Insert the anchor (F) into the hole
- c) Re-attach the floor mount bracket to the side panel, tighten in place, and attach to floor using #10 sheet metal screw (E).



Raised floor installation

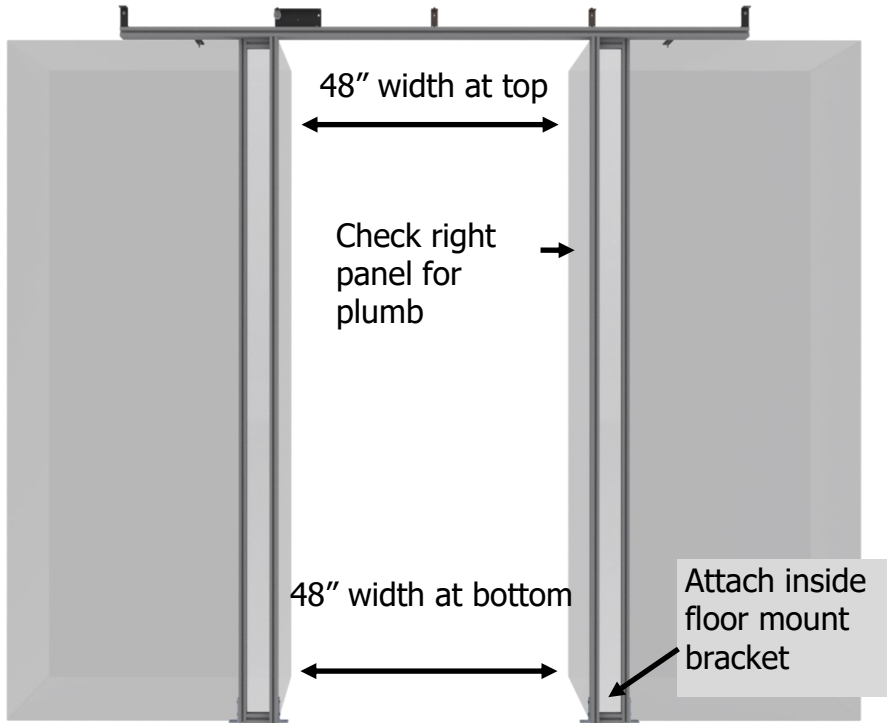


Use a drill driver to screw the #12 x 1" self tapping screw (D) into the floor

8

Install Right Inside Floor Mount Bracket

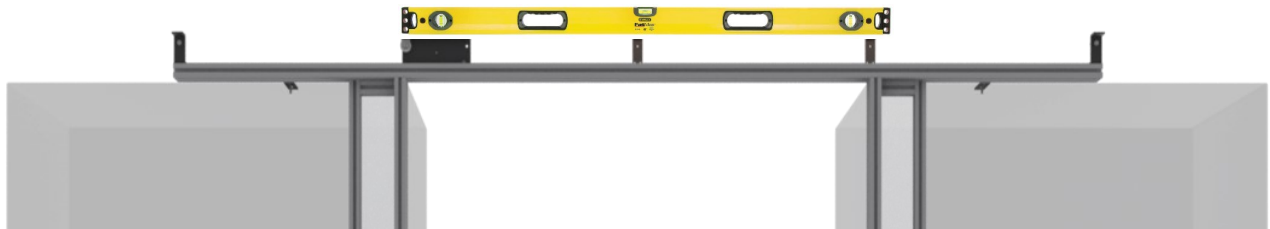
1. Measure the distance between the side panels at the top and the bottom checking that they are the same.
2. Check the right side panel for plumb.
3. Install the floor mount bracket on the inside of the right side panel.



9

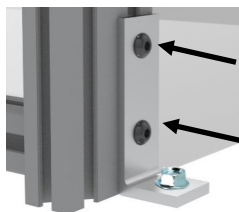
Level the Header

1. Check to make sure the header is level.



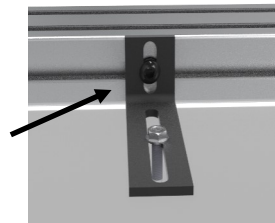
If header is level, move to step 10

To level the header.



Floor Mount Bracket

2. Loosen the screws on the floor mount bracket and on the formed mounting bracket on the side that needs to be raised.

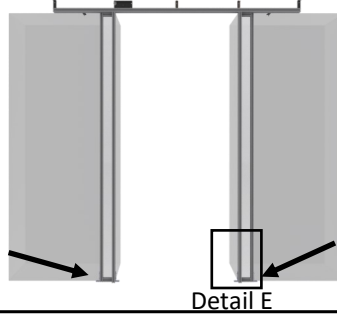


Formed Mounting Bracket

3. Level the header. While holding the header in position, tighten the floor mount bracket screws, then the formed mounting bracket screw. Re-check for level.

10 Install Left and Right Outside Floor Mount Brackets

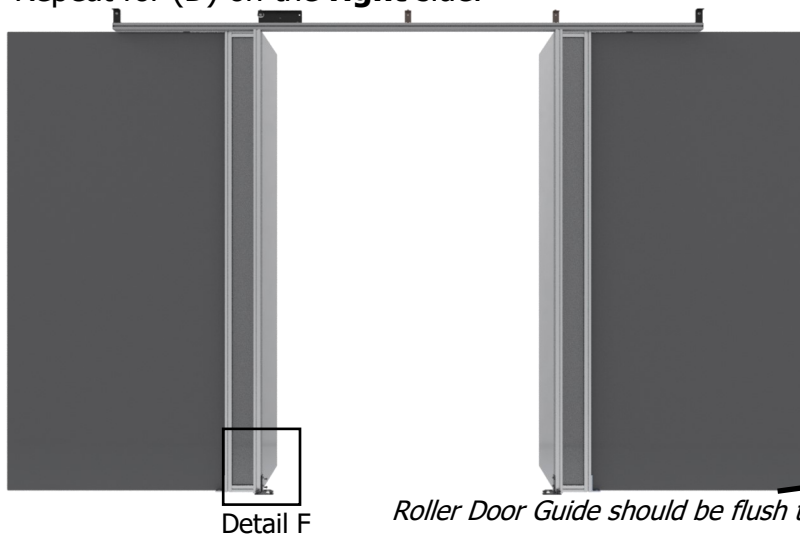
Install floor mount brackets on the outside of the left and right side panels as shown in Detail E.



Detail E

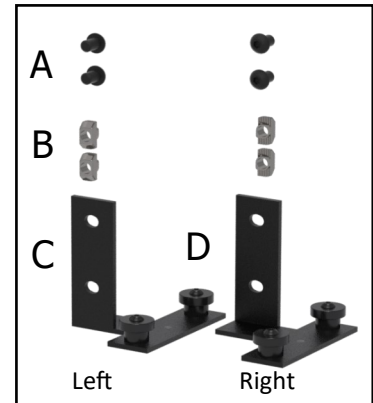
11 Install the Roller Door Guides

1. Install the roller door guide (C) to the **left** side panel using 1/4-20 x 3/8 screws (A) and drop in quarter turn t-nuts (B).
2. Repeat for (D) on the **right** side.



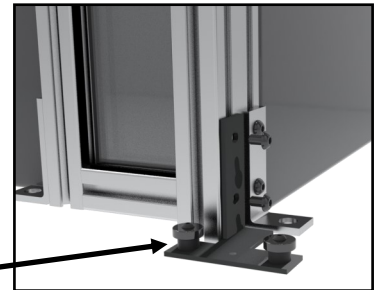
Detail F

Roller Door Guide should be flush to the floor



Left

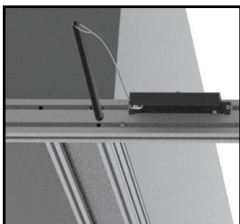
Right



Detail F

12 Install Counterweight and Secure Brackets

1. Remove the stretch wrap around the Counterweight.



2. Insert the Counterweight into the hole on the header. **DO NOT** drop the counterweight.

3. Make sure the cable is fed over the pulley and behind the Cable Guide Plate.

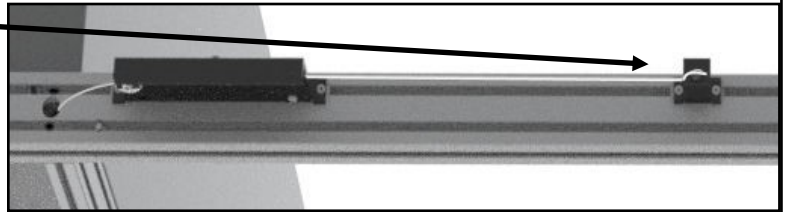


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Continued

4. Temporarily attach the cable to the center bracket.



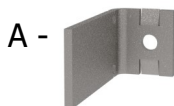
5. Slide the damper bracket and valance bracket back into position and tighten.



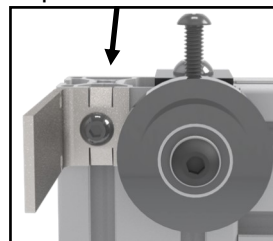
13

Install Left and Right End-stop Brackets

1. Install End-Stop Bracket (A) using the 1/4-20 x 3/8" screw (B) and the drop in quarter turn t-nut (C) on the outside of the **right** door panel as shown in Detail G.

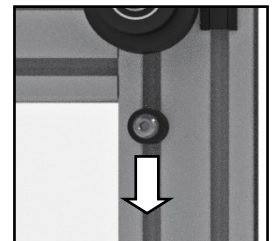


Install flush with the top of the door



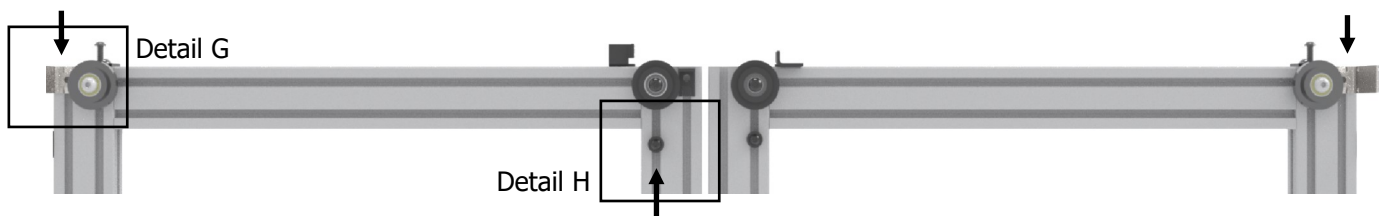
Detail G

Slide the Inside Door Retainer down 4"



Detail H

2. Repeat for the **left** door panel.

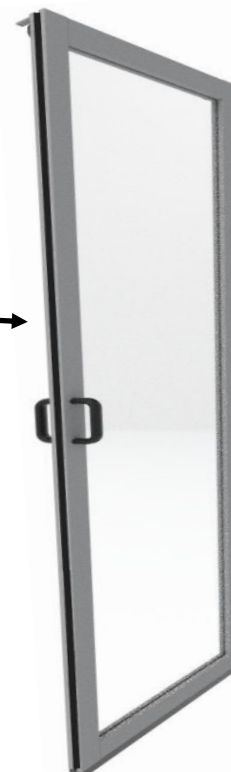


3. Loosen the inside door retainers and slide down about 4 inches as shown in Detail H.

14

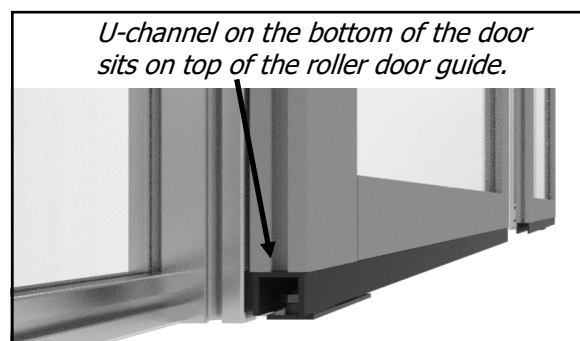
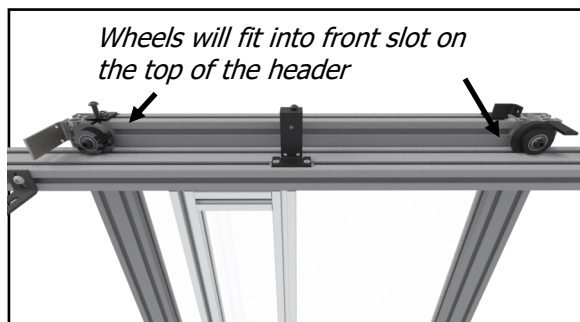
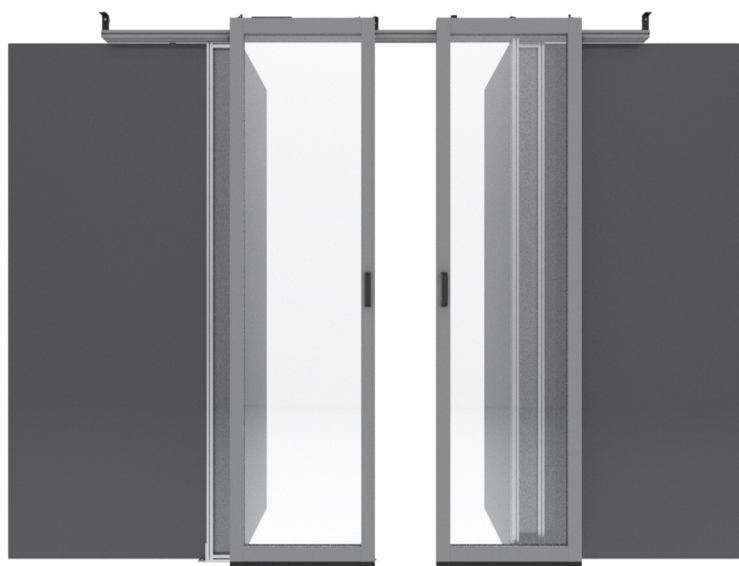
Install T-Bulb Gasket In Right Door

Install T-Bulb to run entire length of the right door panel

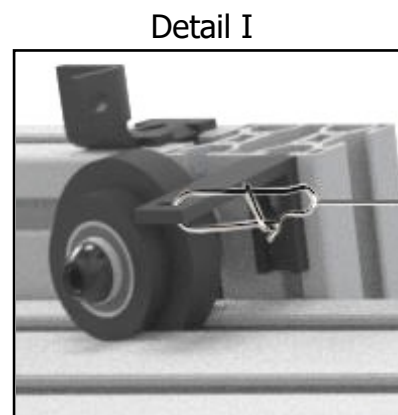
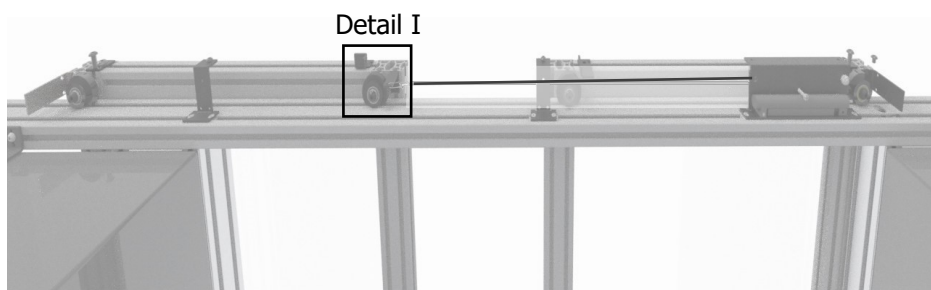


15 Install Doors and Attach Counterbalance

1. Place the doors on the header.

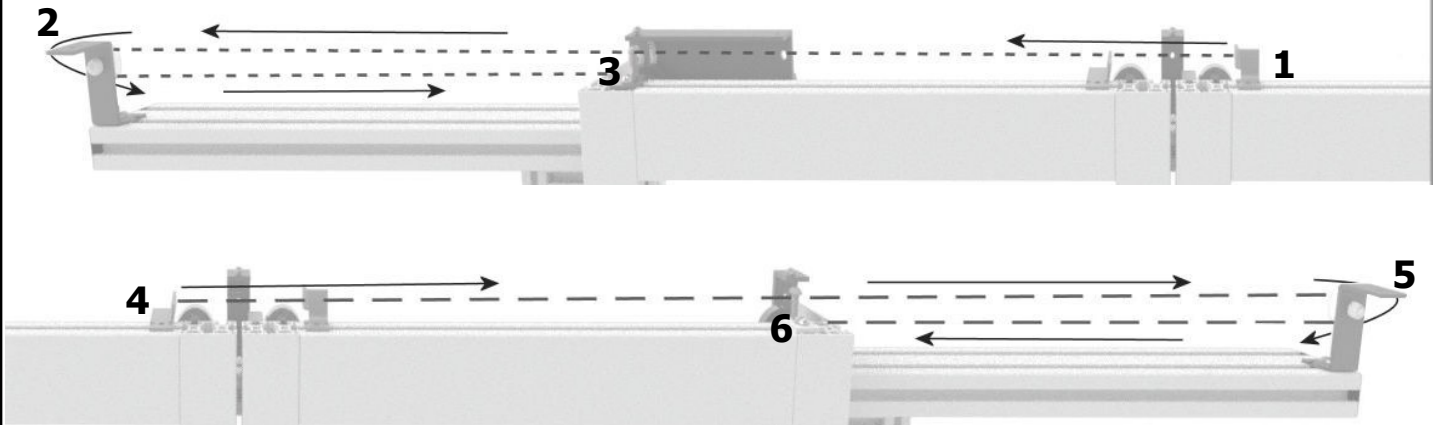


2. Attach the cable from the counterbalance rod to the cable bracket on the edge of the door.

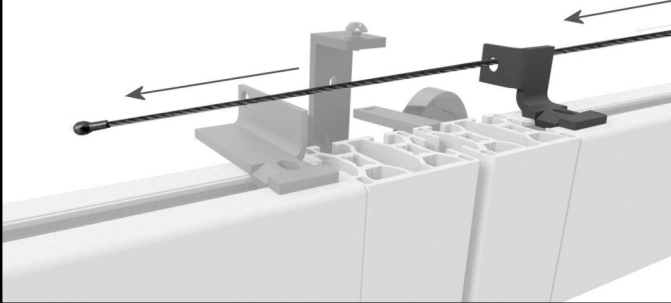


16

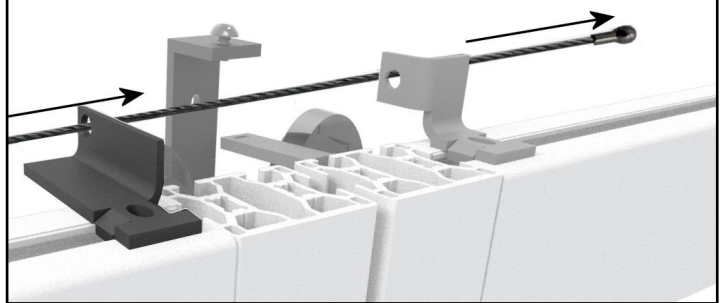
Install the Dual-Open Cables



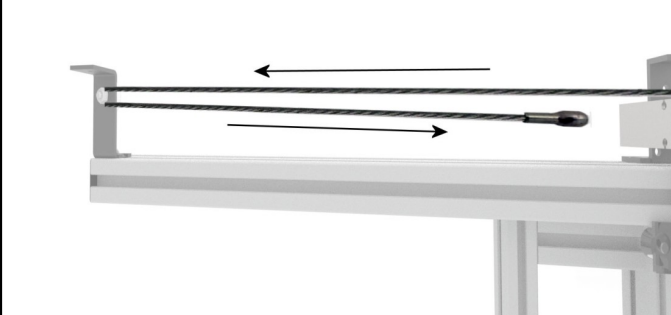
1. Feed the Ball and Shank end of **cablE 1** through the hole of the **right** cable bracket-



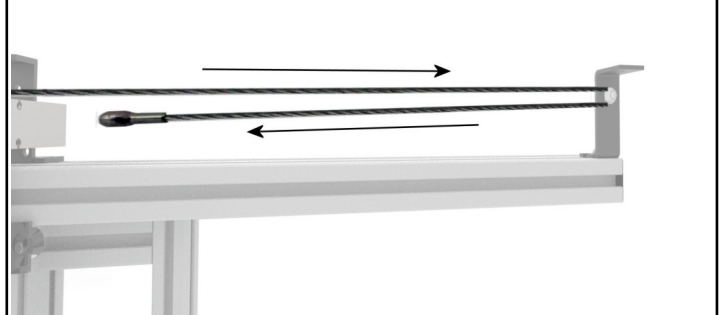
4. Feed the Ball and Shank end of **cablE 2** through the hole of the **left** cable bracket.



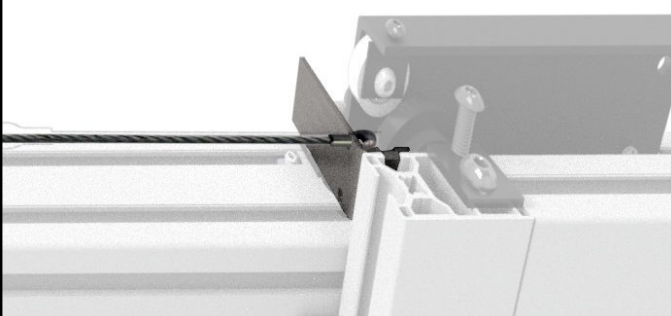
2. Wrap the cable around the pulley at the **left** end of the header.



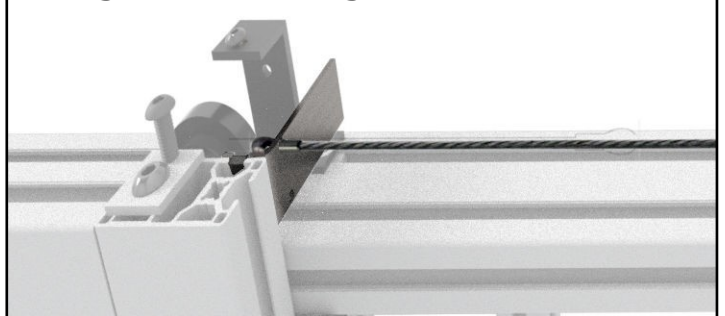
5. Wrap the cable around the pulley at the **right** end of the header.



3. Insert the cable into the bracket on the **left** side of the **left** door.



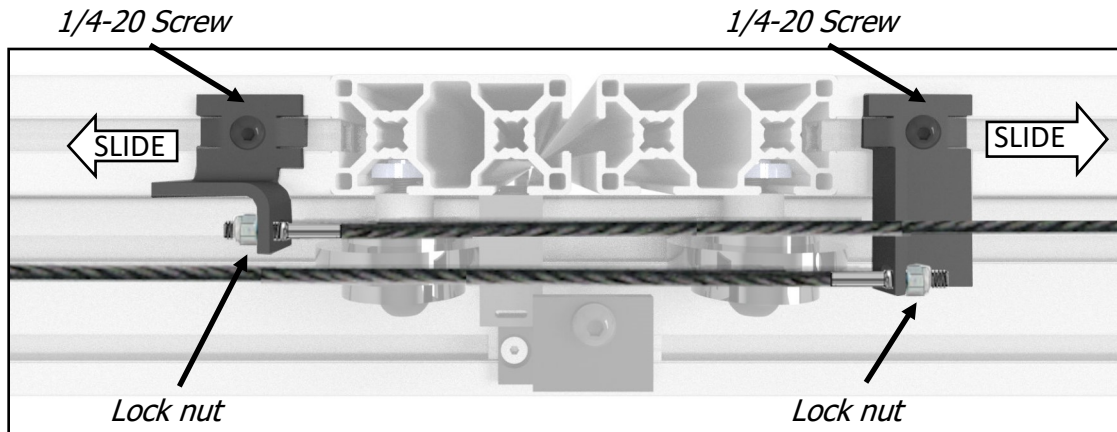
6. Insert the cable into the bracket on the **right** side of the **right** door.



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Adjust and Tighten the Dual Open Cables

1. Loosen the 1/4-20 screws holding the left and right cable brackets.
2. Center the doors in the opening.
3. While holding the doors centered, slide the cable brackets to pull the cables tight and tighten the screws.

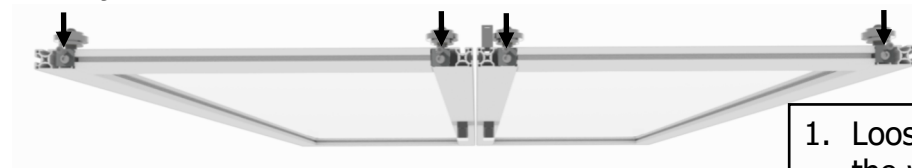


4. For smaller adjustments tighten or loosen the lock nuts on the end of the cables.

18

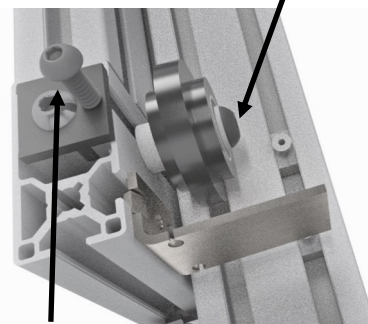
Adjust the Gap Between the Doors

There are 4 brackets, one above each wheel, to assist in adjusting the doors. Make adjustments on the outside or the doors first, then the inside if necessary.



Gap at the bottom of the door

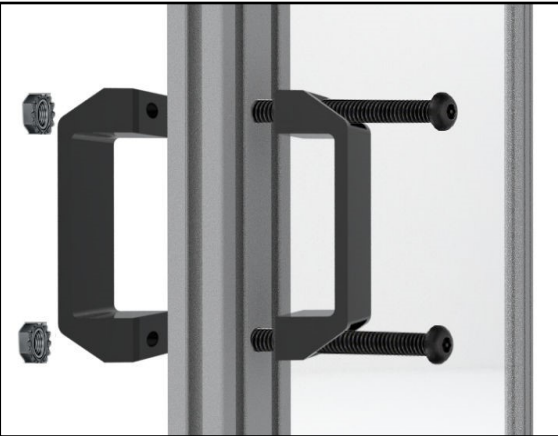
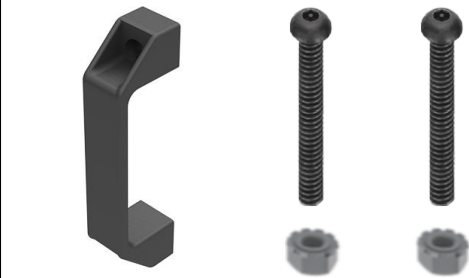
1. Loosen the 5/16-18 screw attaching the wheel 1/4 turn.



2. Turn screw in wheel adjust bracket clockwise to raise or counterclockwise to lower the door.
3. Tighten the 5/16-18 wheel screw attaching the door.
4. Check door gap and adjust as necessary.

19 Install Door Handles

Plastic Door Handle Kit



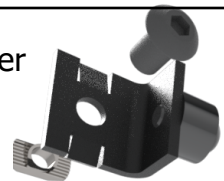
Aluminum Door Handle Kit



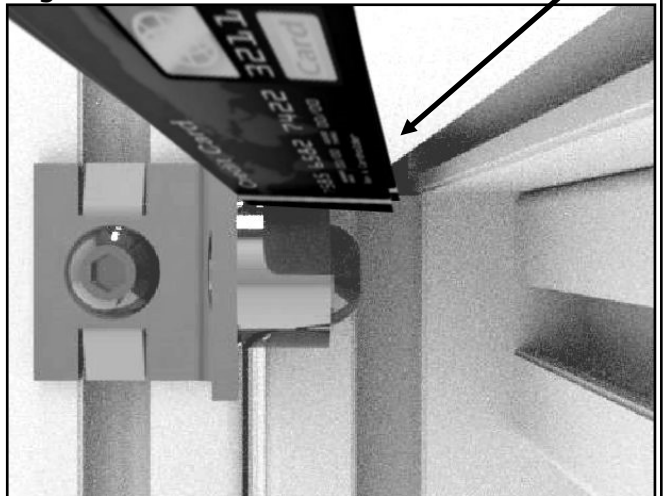
20 Install the Outside Door Retainers

Install the left and right outside door retainers on the top outside corner of the door. The outside door retainer is designed to keep the door from bouncing or coming off during operation.

Outside Door Retainer Assembly



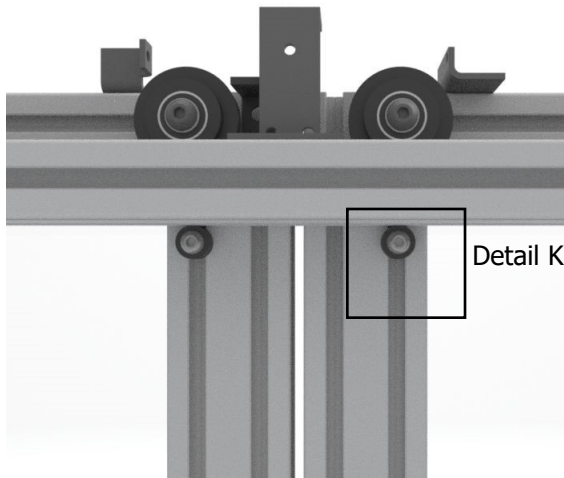
Slide a credit card between the header and the door retainer. Slide the door retainer up snug against the credit card for proper spacing.



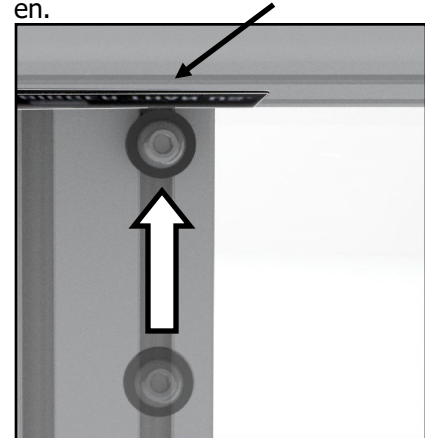
Detail J

Detail J

21 Adjust Inside Door Retainers



Place a credit card between the header and the door retainer. Slide the door retainer up snug against the credit card and tighten.

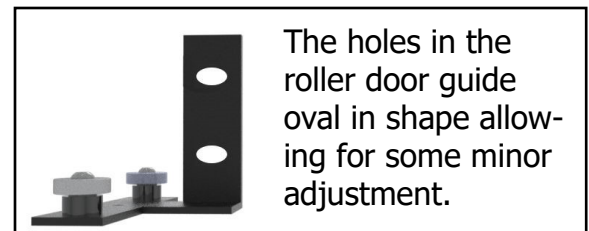
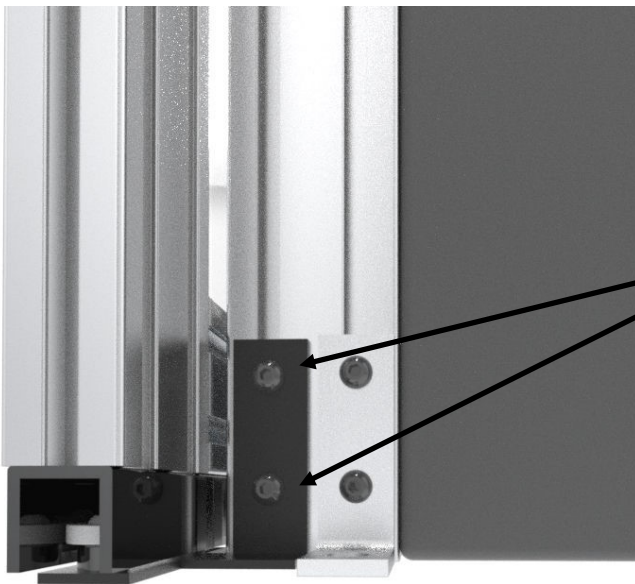


Detail K

Loosen and slide the inside door retainers up as shown in Detail K.

22 Adjust Roller Door Guides

When fully closed, the doors should align evenly at the bottom. If the doors are offset when closed then adjust the roller door guide for proper alignment.

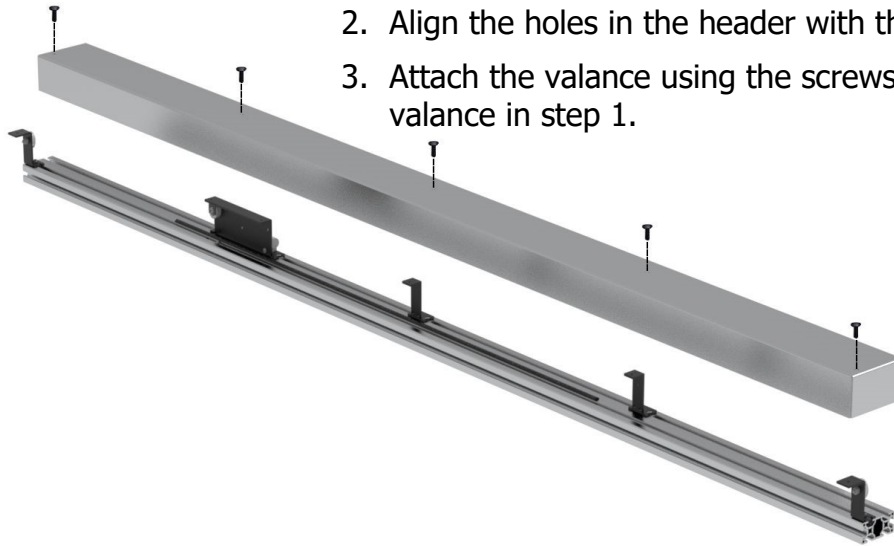


1. Loosen the two screws holding the roller door guide in place.
2. Slide the roller door guide in or out to adjust door alignment.
3. Tighten the screws, making sure the t-nuts are fully turned in the slot.
4. Check alignment and make adjustments as needed.

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Attach the Valance Cover

1. Place the valance on the header.
2. Align the holes in the header with the brackets.
3. Attach the valance using the screws set aside when removing the valance in step 1.



Basic Troubleshooting Guide

The gap between the top and bottom of the doors is different when closed.

1. Adjust the doors using the Wheel Adjustment bracket. Refer to step 18.

An even gap exists between the doors when closed.

1. Adjust the dual open cable brackets to allow the door to fully close. Refer to step 17.
2. Check to make sure the doors are not catching on any brackets or the side panel.
3. Check spacing between the side panels to make sure they are the same at the top and the bottom.

Doors are not closing, or are closing slowly.

1. Verify the Header is level.
2. Verify the doors are not rubbing on the following:
 - Roller Door Guide
 - Side Panel
3. Check to make sure the door retainers are not rubbing. Refer to steps 20 and 21.

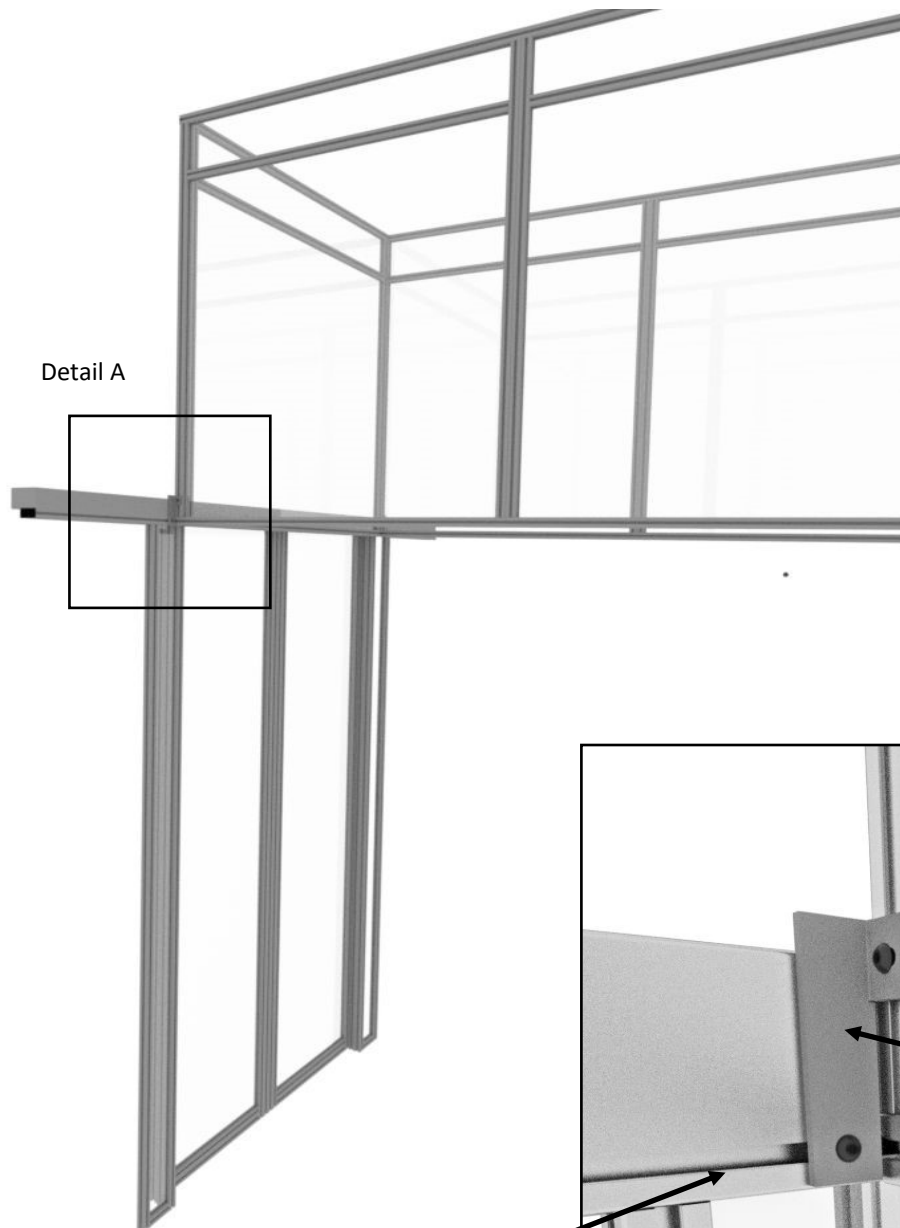
Appendix 1

Overhead Bracket Installation Instructions

Overhead brackets are used to attach doors to containment panels hanging from the ceiling.

1. Place the overhead mounting bracket against the header and the upper panel as shown below. Attach with 1/4-20 x 1/2 socket cap screw and drop in t-nut

Overhead Mounting Bracket Kit

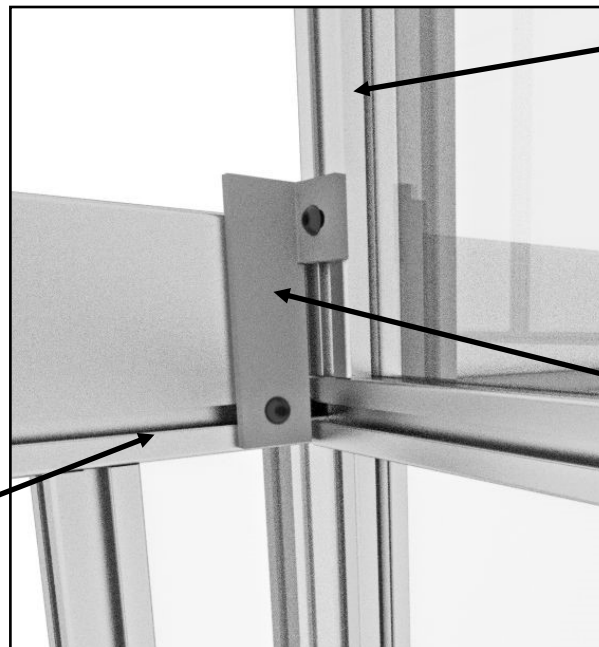


Detail A

Door Header

Upper Panel

Overhead Mounting Bracket



Detail A