ACCELEVATION CONTAINMENT PRODUCTS

ASSEMBLY MANUAL

Hinged Doors

v1.1 UPDATED 03.10.2025

Tools Required

1. 10mm Socket and Wrench
2. 4mm Allen Wrench
3. 6mm Allen Wrench
4. ¼” twist drill bit
5. ¼” masonry drill bit
6. Large bubble level

Hardware Kits

Dual Hinged Door Install Kit

1. (4x) 5/16" Metal Drilling Screw
2. (4x) Concrete Anchor, Steel, 1/4" x 1-1/4"
3. (12x) M6x14 Flanged Hex Screw
4. (2x) Slotted flat plate 1.25”x150mm
5. (4x) Slotted Corner Bracket 1.5”x2.5”
6. (12x) T-Slot Nut, Center Hole
7. (2x) Angled U-Handle, 128mm
8. (4x) M6x40 Flat Head Screw
9. (2x) Frame header spacer
10. (2x) Hinged Door Inside Handle

Single Hinged Door Install Kit

1. (4x) 5/16" Metal Drilling Screw
2. (4x) 5/16" Metal Drilling Screw
3. (12x) M6x14 Flanged Hex Screw
4. (2x) Slotted flat plate 1.25”x150mm
5. (4x) Slotted Corner Bracket 1.5”x2.5”
6. (12x) T-Slot Nut, Center Hole
7. (1x) Angled U-Handle, 128mm
8. (2x) M6x40 Flat Head Screw
9. (1x) Hinged Door Inside Handle

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Assembly Instructions

1. Lay out the location of the doors on the floor according to the specified containment structure dimensions. Determine the floor anchoring locations based on the available bracket mounting locations. 4 brackets recommended.

Figure 1. Floor Mounting Brackets

2. Mark and drill pilot holes.
    - For raised access floors, pre-drill a 2” deep hole (or drill through the tile) using a ¼” twist drill bit and drill.
    - For concrete slab floors, pre-drill a 1-¾” deep hole using a ¼” masonry drill bit and hammer drill.
3. Attach anchor and bracket in place. Leave anchor screws loose and stand up the door in position. Use a large bubble level to confirm door is square and level. Shim as necessary, then secure anchors to the floor and door frame using M6x14 screws and tnuts.
4. Attach connecting wing panels and/or over-door panels using the provided flat brackets. Remove the shipping brackets on the door and re-use as needed for installation.

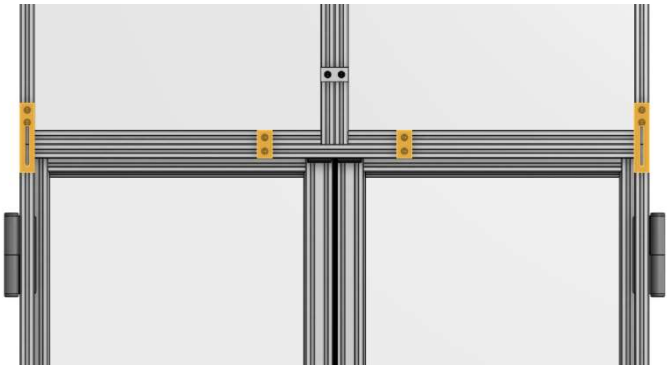

Figure 2. Over Door Panel Connection

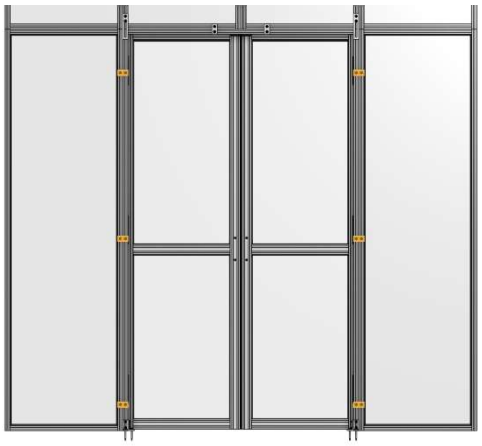

Figure 3. Wing Panel Connection

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5. Attach the Hinged Door Inside 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 Hinged Door Inside Handle and door panel and screw into the internal threads of the 128mm Angled U-Handle(s) (see Figure 4).
6. Adjust the Hold-close magnetic bracket. For Dual doors, There are 2 configurations depending on the need:
    - **Low pressure** – Light hold: *(Figure 5)*
        - This is the default position the door ships in.
        - Sufficient hold and latching for relatively low pressure aisles
        - Clearance should be 1/32” gap, about 1 credit card or 8 sheets of paper.
    - **High pressure** – Strong hold: *(Figure 6)*
        - Remove magnet and reposition on header as shown. Cut back some of the pre-installed gasket to have room for the magnet.
    - **Tip** – If the hold is too strong, you may shift the magnetic bracket up/down or magnet left/right to reduce the contact area to the magnet.

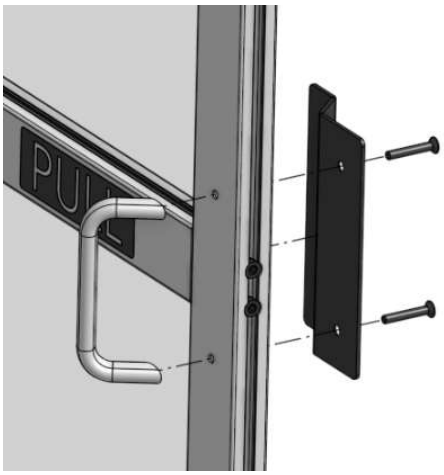


Figure 4. Handle Connection

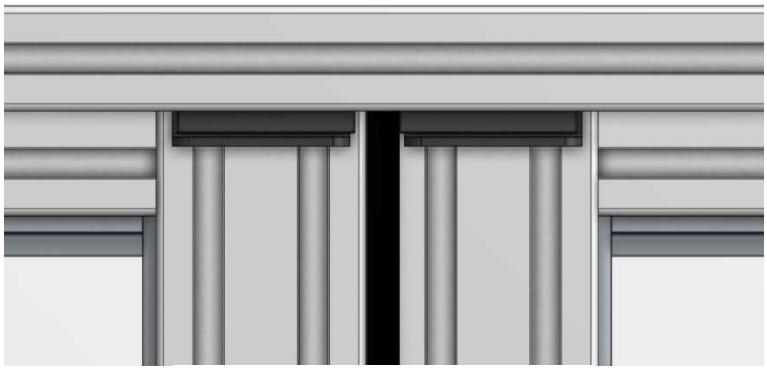


Figure 5. Default Magnetic Hold-close

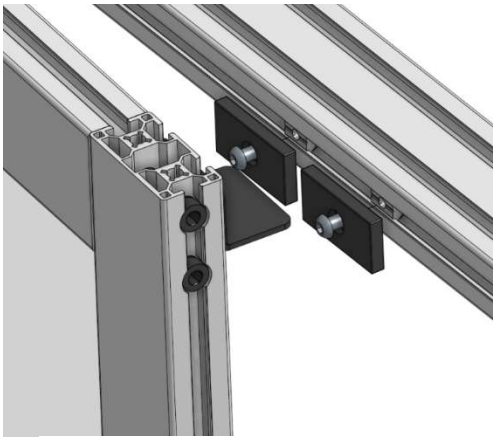


Figure 6. High Pressure Hold-close

7. On a dual door, verify that the center reveal is properly sealed with brush in the center. If the gap is too small where the doors make contact, use 1 or 2 header spacers to widen the frame. (*Figure 7*) Loosen 2 M8 hex screws partially with a 6mm allen wrench to allow the spacer to fit, then install the spacer and tighten.

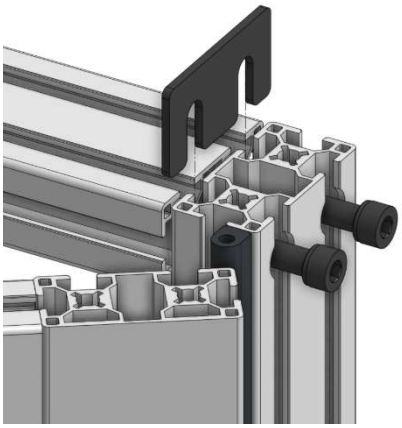


Figure 7. Header Spacer

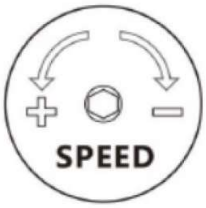
8. Test the function of the door:
    - Test the auto closing speed of the door.
    - Test the hold-open feature at 90° open.
    - Test the dampening and adjust so the door does not slam closed.
    - Ensure door will fully close without assistance.

Follow the adjustment steps below to adjust hinges as needed. Top and bottom hinges should be load hinges, while the center hinge controls the damper.

ADJUSTMENT STEPS

Turn **CLOCKWISE**
to increase closing power.

Turn **COUNTERCLOCKWISE**
to decrease closing power.



Turn **CLOCKWISE**
to slow down door closing speed.

Turn **COUNTERCLOCKWISE**
to increase door closing speed.