Elevate™ Adjustable Containment Panel

WARNING: Improper use of this product may lead to serious injury or death. Read and understand all instructions for proper installation and use of this product.

WARNING: The adjustable containment panels must be securely fastened to the cabinet frame.

WARNING: The adjustable containment panels must be secured to adjacent panels with provided baying brackets.

Warning: Installation of aisle Containment products may require the use of ladder, Scaffolds, and other climbing tools. Follow all climbing device procedures and observe all safety and warning precautions.

Figure 1.

Intended Use
Install this assembly only in a restricted service environment, such as a data center. Use indoors only, in environmentally controlled areas; do not use outdoors, in harsh environments or in air-handling spaces or in direct proximity to unshielded high voltage.

The 14500 Adjustable Containment Panel is intended to be used to form a barrier region above a ZetaFrame Cabinets.

This instruction is to be used as a general guideline as the actual field installation will depend on system containment requirements.

The 14500 Adjustable Containment Panels may be used in either Aisle Containment or Row Vertical Exhaust Applications.
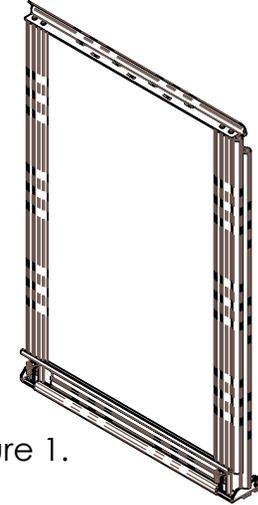
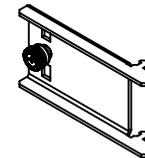**Required Tools:**
- #2 Flat Screwdriver
- 13mm Socket wrench

Included Hardware:

M8x16 Serrated Flange Screw

M8 Serrated Flange Nut

Upper Panel Baying Bracket

CPI CHATSWORTH PRODUCTS

Elevate™ Adjustable Containment Panel

Aisle Containment Installation Requirements:
End of row (EOR) doors (32770-XXX) and Telescoping EOR Panel assemblies (14625-XXX) are required to form a complete Aisle Containment system using the 14500-XXX panels. Telescoping EOR Panels are fixed in width and require correct cabinet to cabinet aisle width spacing.

Aisle Containment Installation Instruction:
1. Confirm cabinet aisle width shown in Figure 2 is compatible with the EOR panel assembly (14625-XXX) .
2. Anchor and level cabinets to floor. Remove and standard cabinet baying brackets if previously installed.
3. Install telescoping panel to top of cabinet
   A.   Align 4 t-bolts to be parallel with upper frame track as shown in Figure 3.
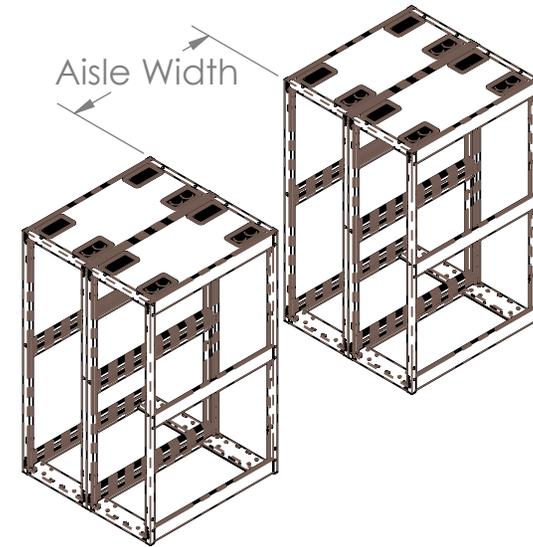   B.   Confirm gap space for 4 bolts is is .25" +/-.1"

Aisle Width

Figure 2

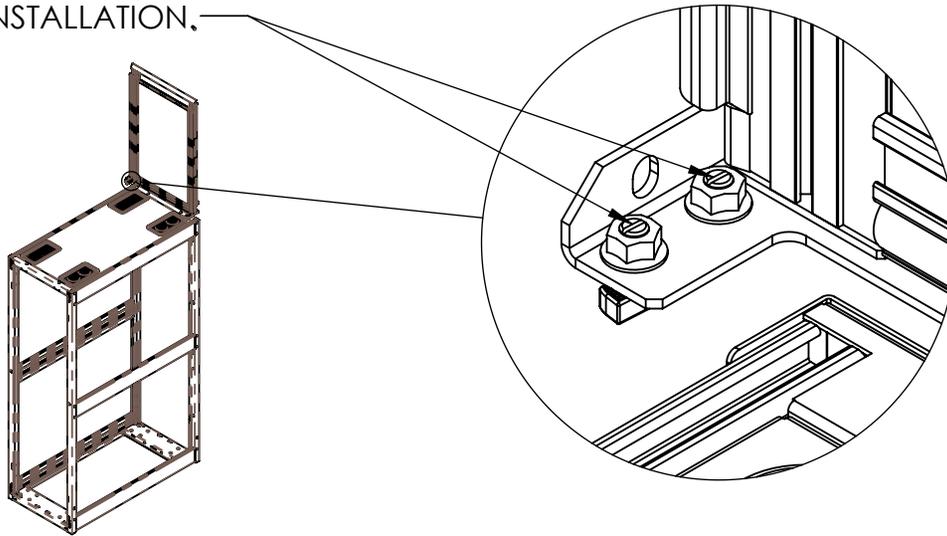SLOT ON TOP OF T-BOLT IS PARALLEL TO FRAME,CHANNEL PRIOR TO INSTALLATION.
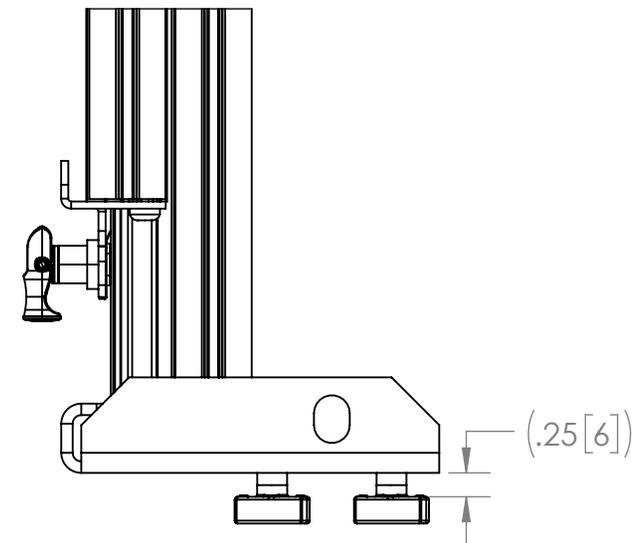
Figure 3

(.25[6])

Figure 4.

C. Locate panel on top of cabinet being careful that all 4 bolts land within the track and are fully seated down in the track

D. Position the telescoping panel so the front of the base flange is flush with the vertical cabinet frame members as shown in Figure 5.

E. Use a 13mm socket wrench to secure the panel system to the cabinet frame. Confirm that the slot on the top of the T-Bolt is oriented as shown in Figure 6. Torque is 25 ft-lb [34NM]. *If required, loosen the nut, push the bolt down into the track and re-tighten and re-check for proper orientation.*
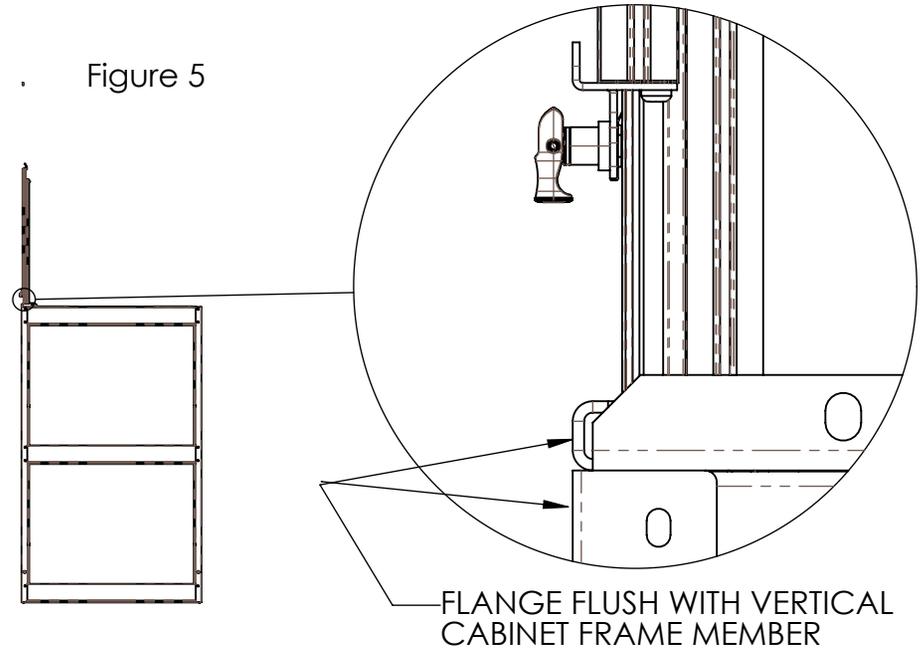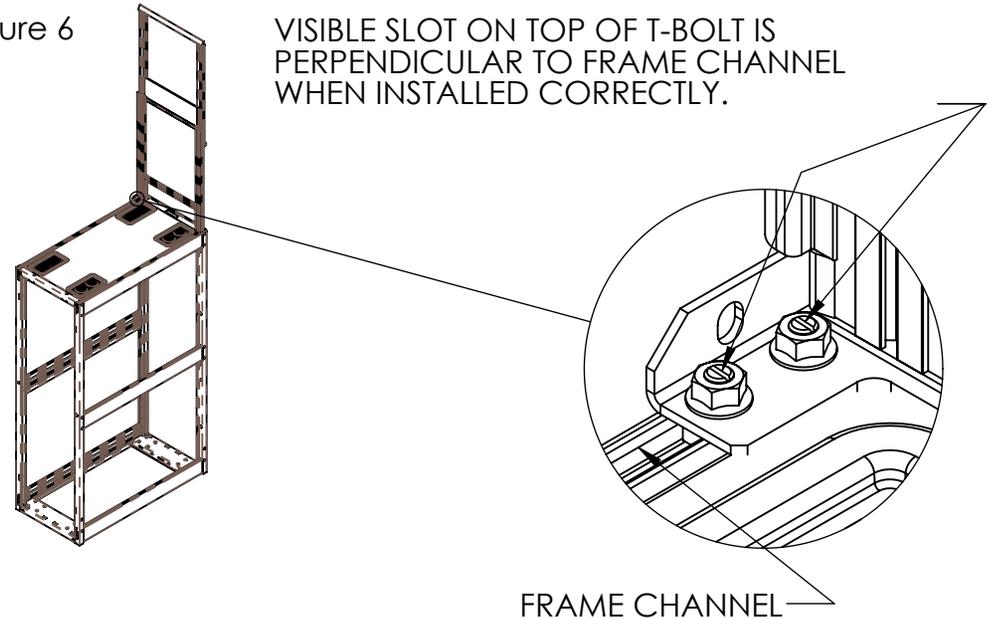
Figure 5

FLANGE FLUSH WITH VERTICAL CABINET FRAME MEMBER

Figure 6

VISIBLE SLOT ON TOP OF T-BOLT IS PERPENDICULAR TO FRAME CHANNEL WHEN INSTALLED CORRECTLY.

FRAME CHANNEL

Elevate™ Adjustable Containment Panel

4. Raise the upper Panel
   A. Pull the plunger levers to retract the indexing pins on both sides of the panel as shown in Figure 7.
   B. With hands on both sides of the upper panel's lower frame, raise the upper panel.
   C. Lower the plunger levers and move the panel vertically to the highest indexing position the ceiling allows. Confirm adjacent panels are raised to consistent and pin locks into position
5. Bay adjacent cabinets.
   A. UseM8X16 Bolt and M8 flange nut to bay adjacent cabinets to each other through the slot as shown in Figure 8. Torque to 25 ft-lb [34NM]
   B. Tie upper panels use baying bracket shown in Figure 9. If required, Use a screwdriver to compress the bulb seal between the adjacent cabinets.
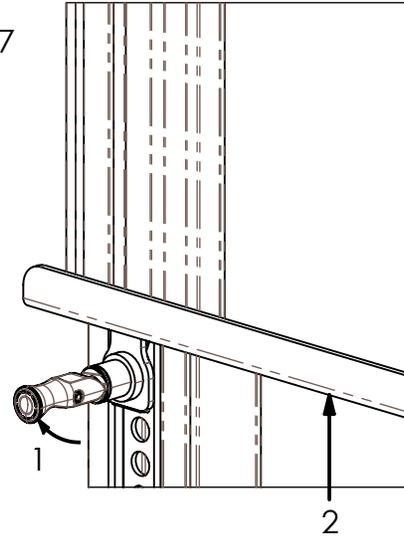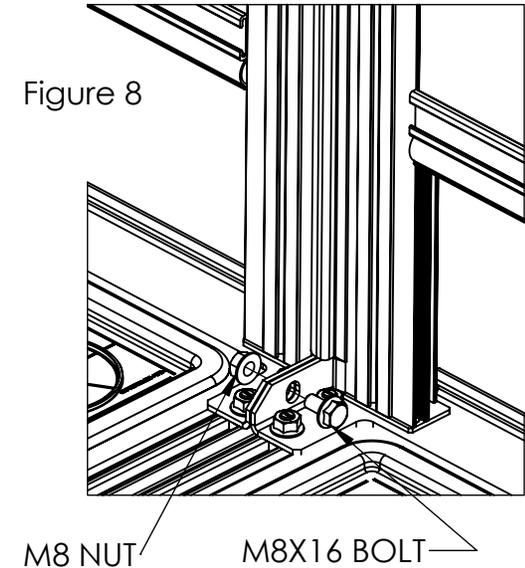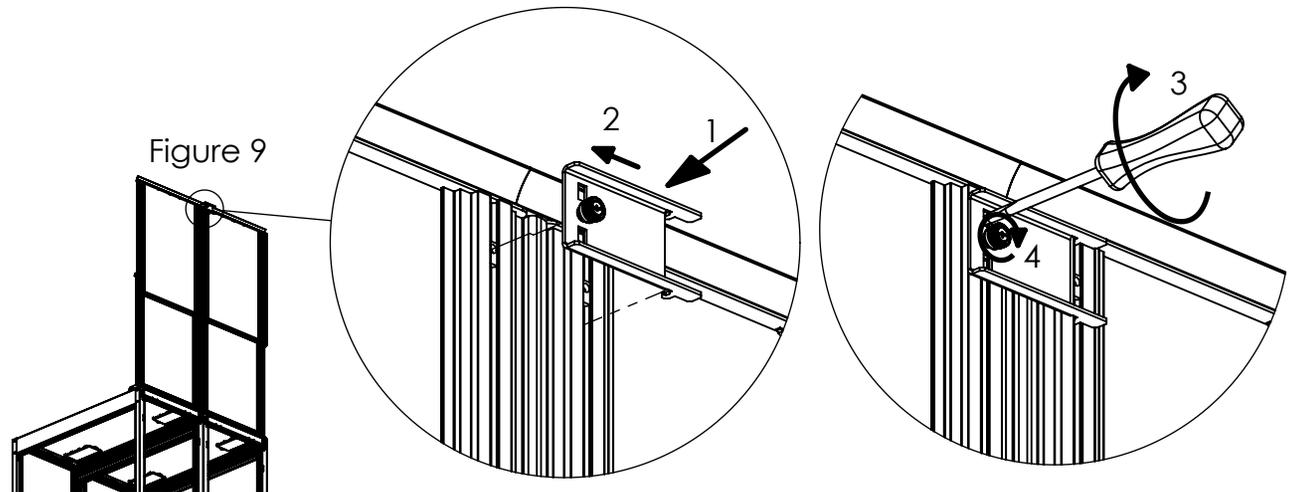
Figure 7

1

2

Figure 8

M8 NUT   M8X16 BOLT

Figure 9

2   1

3

4

Elevate™ Adjustable Containment Panel

Row Level Vertical Exhaust Duct Installation Requirements

- Two Telescoping Containment panels are required per cabinet for a Row Level Vertical Exhaust Duct installation.
- A pair of 14520-XXX Telescoping Row Level Duct end panels (purchased separately) are required to seal the end of row when the panels are configured as an exhaust ducts system.
- ZetaFrame Cabinet must be configured with a VED top paneland a solid rear door.

Row Level Vertical Exhaust Duct Installation Steps:

1. Install Panel1 along the rear of the cabinet frame as described in the Aisle Containment instructions.

2. Install Panel 2 with lower flange oriented opposite first panel and spaced as shown in Figure 10. Note: End exhaust duct will not mount or seal correctly if this panel is not installed as shown.

3. Follow instructions included with the 14520-XXX End of Row Duct Panels to complete duct assembly installation.
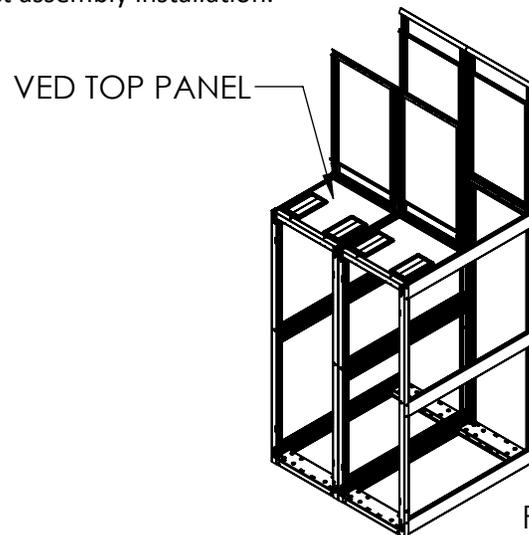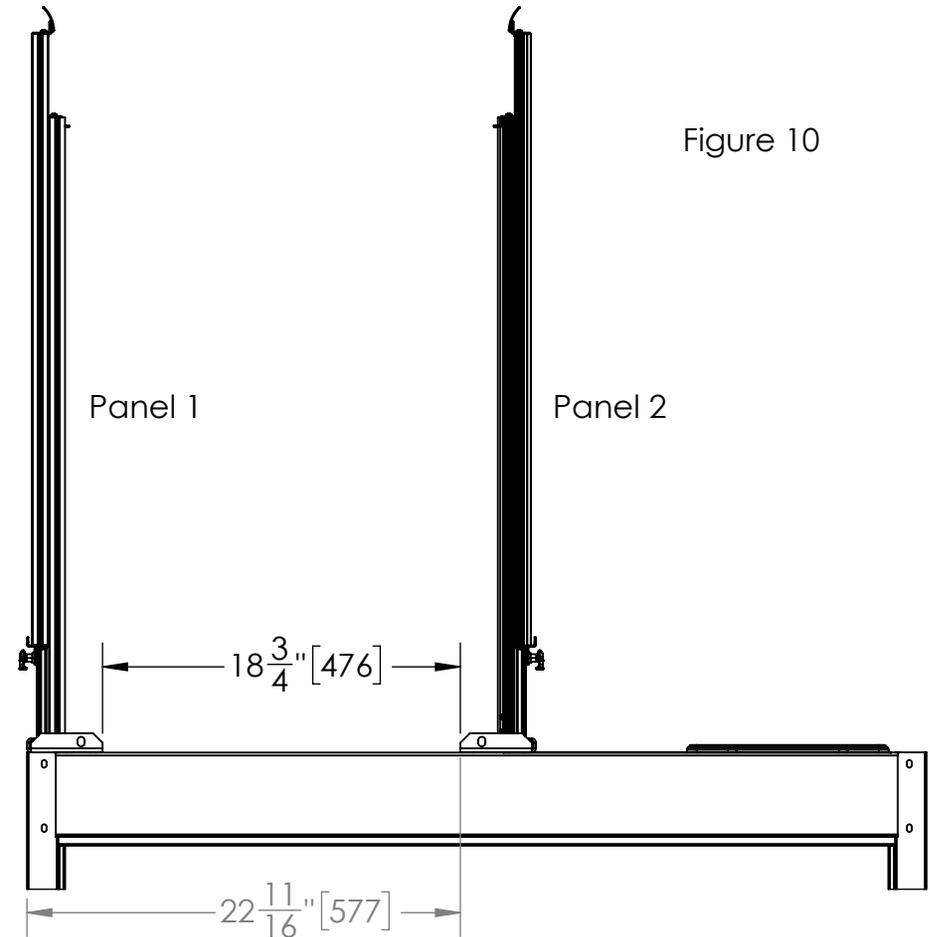
Figure 10

Panel 1

Panel 2

$18\frac{3}{4}"[476]$

$22\frac{11}{16}"[577]$

VED TOP PANEL

Figure 11