V00029KU

READ ALL OF THE FOLLOWING INSTRUCTIONS BEFORE REMOVING CABINET FROM SKID

***NET-ACCESS* S-Type Universal Cabinets**

TOOL LIST

-Phillips screwdriver
-Flatblade screwdriver
-22mm socket wrench
-15mm socket wrench
-13mm socket wrench
-8mm socket wrench
-48” level
-7mm socket wrench
-T30 Torx bit
-T25 Torx bit
-6mm Allen key
-2.5mm Allen key
-Wire cutter

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INSTALLATION INSTRUCTIONS

V00029KU

NOTE - Some views in this document may vary slightly from your actual cabinet configuration.

Disclaimer:

The information contained in this manual is intended as a guide for use by persons having technical skill at their own discretion and risk. The recommended practices are based on average conditions. Panduit makes no representation or warranty, express or implied, nor assumes any responsibility for the accuracy or completeness of these installation instructions. Panduit does not guarantee any favorable results nor assume any liability for damages, improper installation, system failures, or any other problems that could arise in connection with the use of these installation instructions.

Table of Contents - Net-Access S-type Universal Cabinets

Packaging Material Removal 5
Leveling 6
Floor Mounting 7
Ganging (front of cabinet) 8
Ganging (rear of cabinet) 9
Grounding 10
Equipment Rail Adjustment 11
Overhead Cable Openings 12
Cable Management Fingers (SN15F, SN25F) 13
Single Hinge Door (Removal and Installation) 14
Single Hinge Door (Door Handle Direction Reversal) 15
Rear Split Doors (Removal and Installation) 16
Side Panel - (Distinguishing Features -- also reference instructions V00029CM) 17
Side Panels (Removal/Installation and Adjustment - optional) 18
Vertical Blanking Panels (Floor Sealing) 19
Cabinet to Cabinet Seal (When two cabinets without Side Panels are ganged together) 20
Rear Floor Seal Installation (Vertical Exhaust Duct ONLY) 21
Top of Cabinet Cable Manager Installation (Optional) 22
Top of Cabinet Cable Manager Installation (For Vertical Exhaust Ducts) 23

IMPORTANT SAFETY INFORMATION

⚠ WARNING

CABINET TIPPING HAZARD

This cabinet can easily be tipped. Use extreme caution when unpacking or moving the cabinet.

Use **at least [2] persons** to remove cabinet from pallet and move cabinet into position *(refer to page 5)*.

When rolling the cabinet on its casters, gaps in the floor, including elevator thresholds, should be covered with a rigid plate capable of bearing the cabinet's load.

When rolling the cabinet on casters, push the cabinet from the front or rear only, to prevent the cabinet from tipping on its side.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN LEAD TO SERIOUS INJURY, DEATH, OR DAMAGE TO YOUR EQUIPMENT.

Safety Notes:

The maximum static weight load of the cabinet is 3000 lbs. [1361 kg]. The maximum weight load when the cabinet is rolling on casters is 2500 lbs. [1134 kg]. The weight load should be evenly distributed across the height of the cabinet, with the heaviest components mounted at the bottom of the cabinet.

The maximum weight load on the integral cabinet top cable routing system is 200 lbs. [91 kg].

The maximum weight load on the following shelves: RSHLF, RSHLF23, RSHLF36 is 275 lbs. [125 kg].

The maximum operating temperature is 50º C; so that the installer is able to determine acceptability of use of accessories and components in the operating state.

The equipment shall be installed or serviced by trained service personnel in accordance with the applicable requirements of the National Electric Code, ANSI/NFPA 70 or Canadian Electrical Code and the applicable sections of ANSI C2, the National Electrical Safety Code. The instruction shall not result in the risk of fire, electric shock, or injury to persons.

UL Listing covers enclosure cabinet only

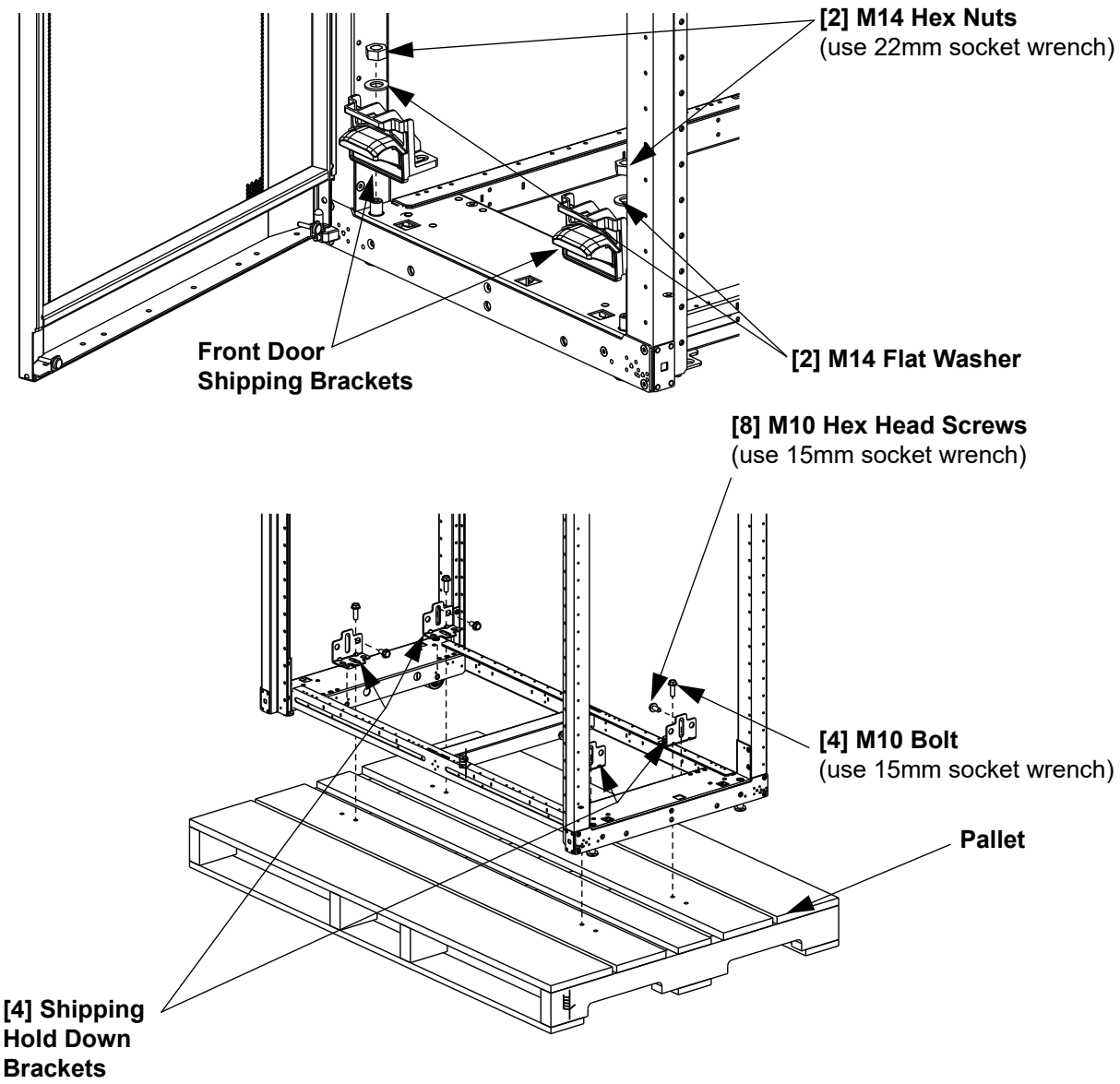
Packaging Material Removal

Before removal of packaging material:
Inspect cabinet for damage before accepting cabinet.
Before handling cabinet:
Small glide strips are installed at various locations around the cabinet to protect the cabinet's finish during shipping. These strips are to be removed prior to handling of cabinet.

"Shipping Hold Down Bracket" Doubles as Floor Mounting Bracket. Retain bracket if floor mounting is desired.
(see Page 6)

- Remove all stretchwrap and protective cardboard from outside of cabinet
- Remove all Shipping Brackets *(if necessary)*
- Remove [4] Hold Down Brackets at front and rear of cabinet
- Use **[2] people** to carefully lift and remove cabinet from pallet

IMPORTANT:
Leveling Legs must be fully retracted before the cabinet is moved into place. Sliding cabinet on leveling legs may result in damage to the leveling legs. *(Leveling Legs ship in retracted position)*

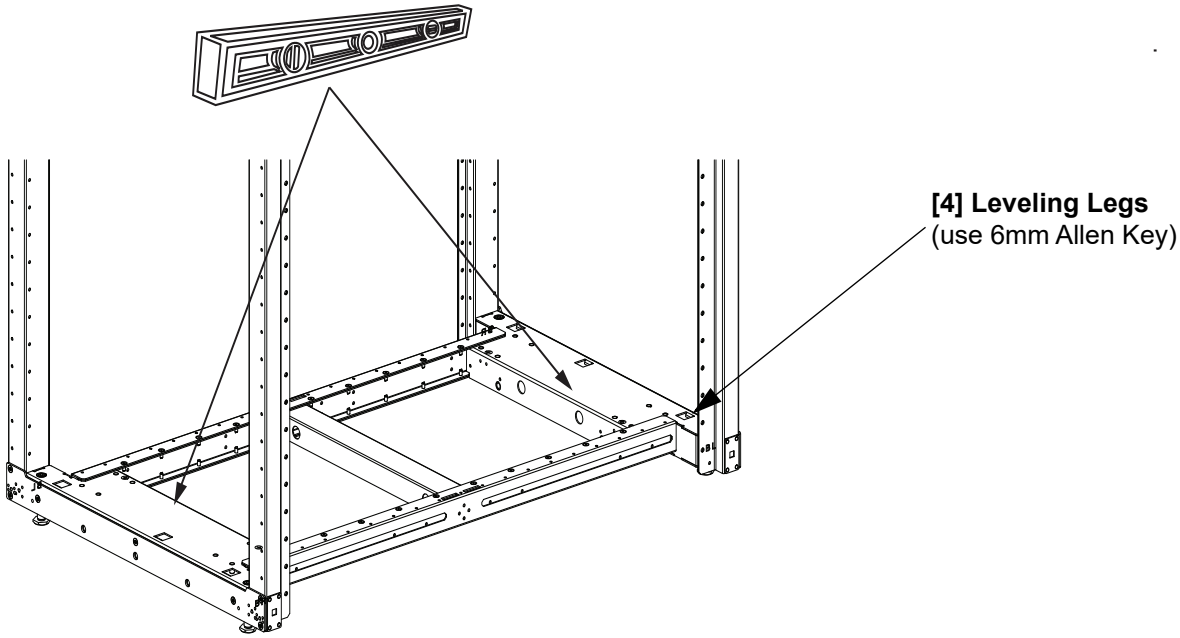


Note: Doors, Side panels, and other components are removed for clarity.

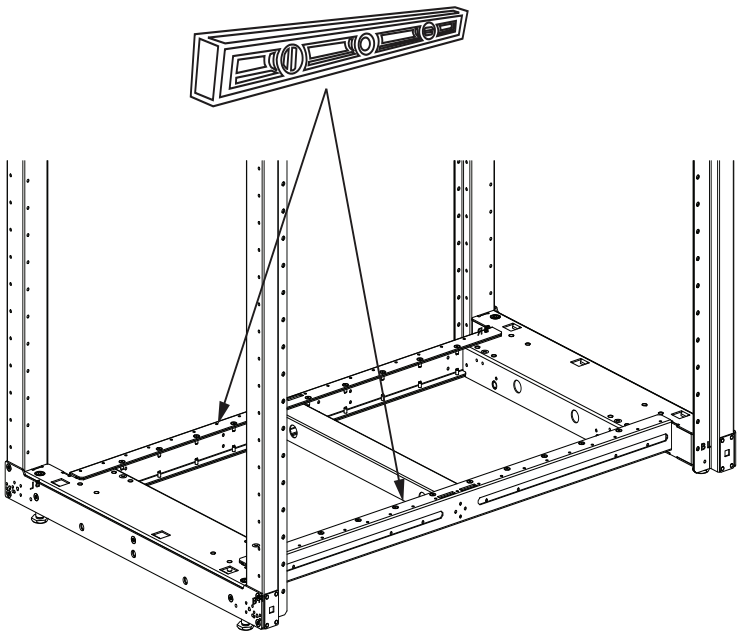
Leveling

- Ensure that [4] Leveling Legs are fully retracted
- Slide Cabinet into final position
- Lower the [4] Leveling Legs using a 6mm Allen Key until the cabinet weight is fully supported
- Adjust the [4] Leveling Legs so that the cabinet is level front-to-back and side-to-side

Front-to-Back Cabinet Leveling



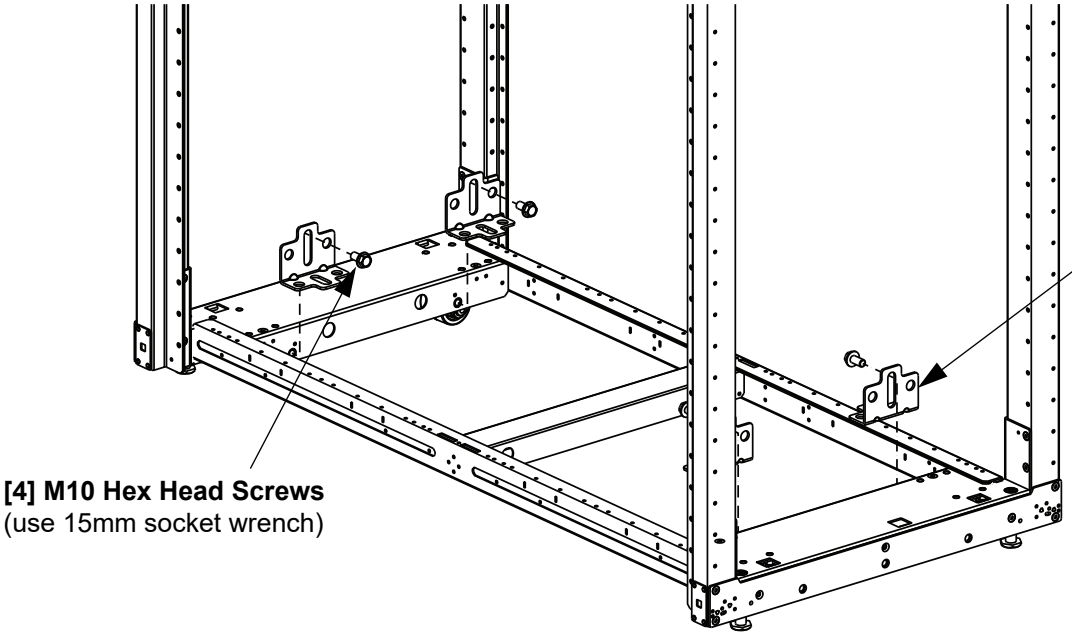
Side-to-Side Cabinet Leveling



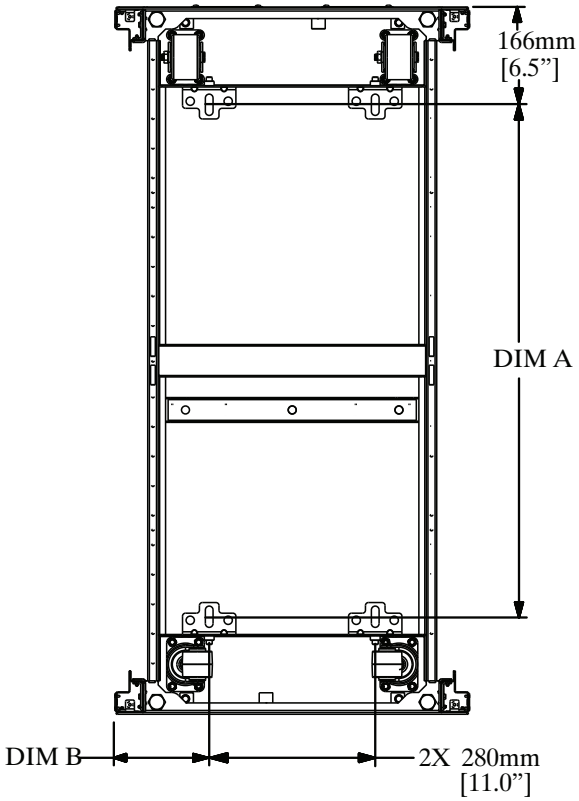
Note: When ganging multiple cabinets together, ensure that adjacent cabinets are adjusted to the same height.

Floor Mounting

- Ensure that [4] Leveling Legs are fully retracted
- *If Necessary,* secure [4] “Shipping Hold Down Brackets” at front and rear of cabinet
- See **Floor Mounting View** below for floor mounting dimensions
- Attach the anchors to the floor with appropriate hardware for your type of floor



Floor Mounting View



DIM A
-1070mm deep cabinets: 680mm ±10 [26.8” ±.39]
-1200mm deep cabinets: 832mm ±10 [32.8” ±.39]

DIM B:
-600mm wide cabinets: 159mm [6.3”]
-700mm wide cabinets: 209mm [8.2”]
-800mm wide cabinets: 259mm [10.2”]

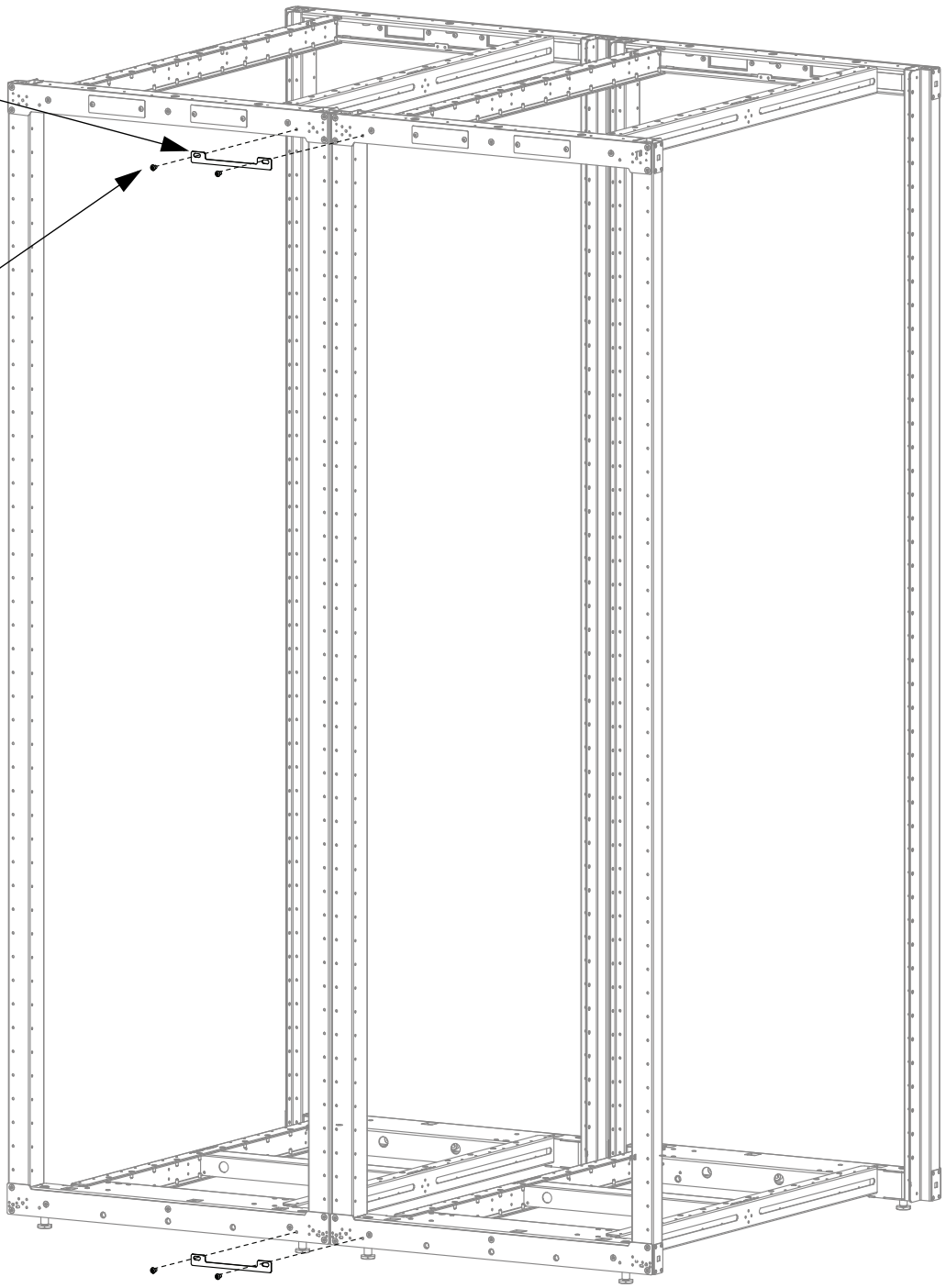
Ganging (front of cabinet)

- Ensure cabinets are level
- Secure Ganging Brackets to cabinets at [2] front locations shown below
- Do not use Ganging Brackets to cinch cabinets together

IMPORTANT:
Ensure cabinets are level by following the guidelines on page 5. Leveling the cabinet prior to ganging is important to ensure proper door operation.

[2] Front Ganging Brackets

[4] M6 Torx Screws
(use T25 Torx bit)

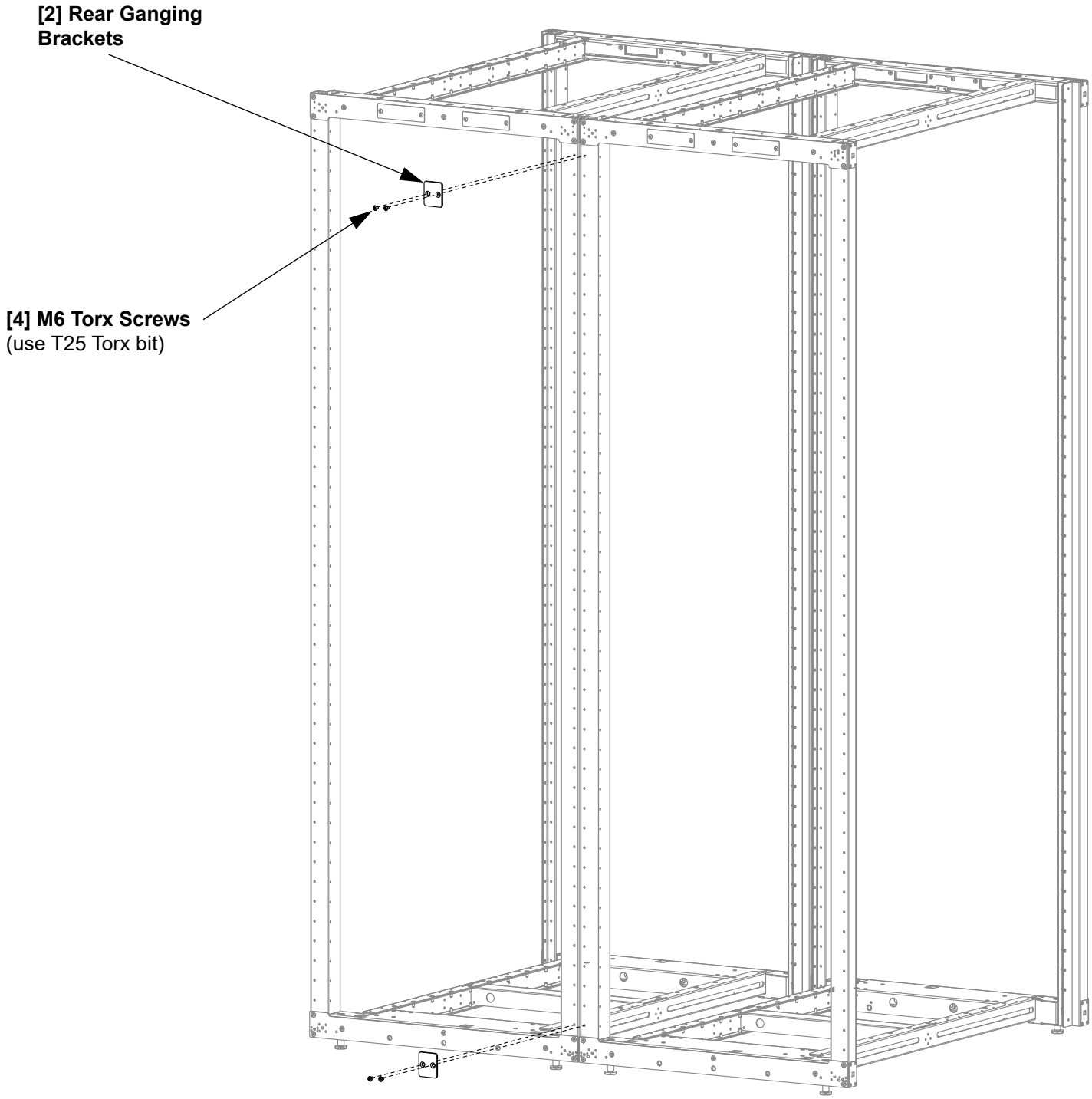


FRONT OF CABINETS

Ganging (rear of cabinet)

- Ensure cabinets are level
- Secure Ganging Brackets to cabinets at [2] rear locations shown below
- Do not use Ganging Brackets to cinch cabinets together

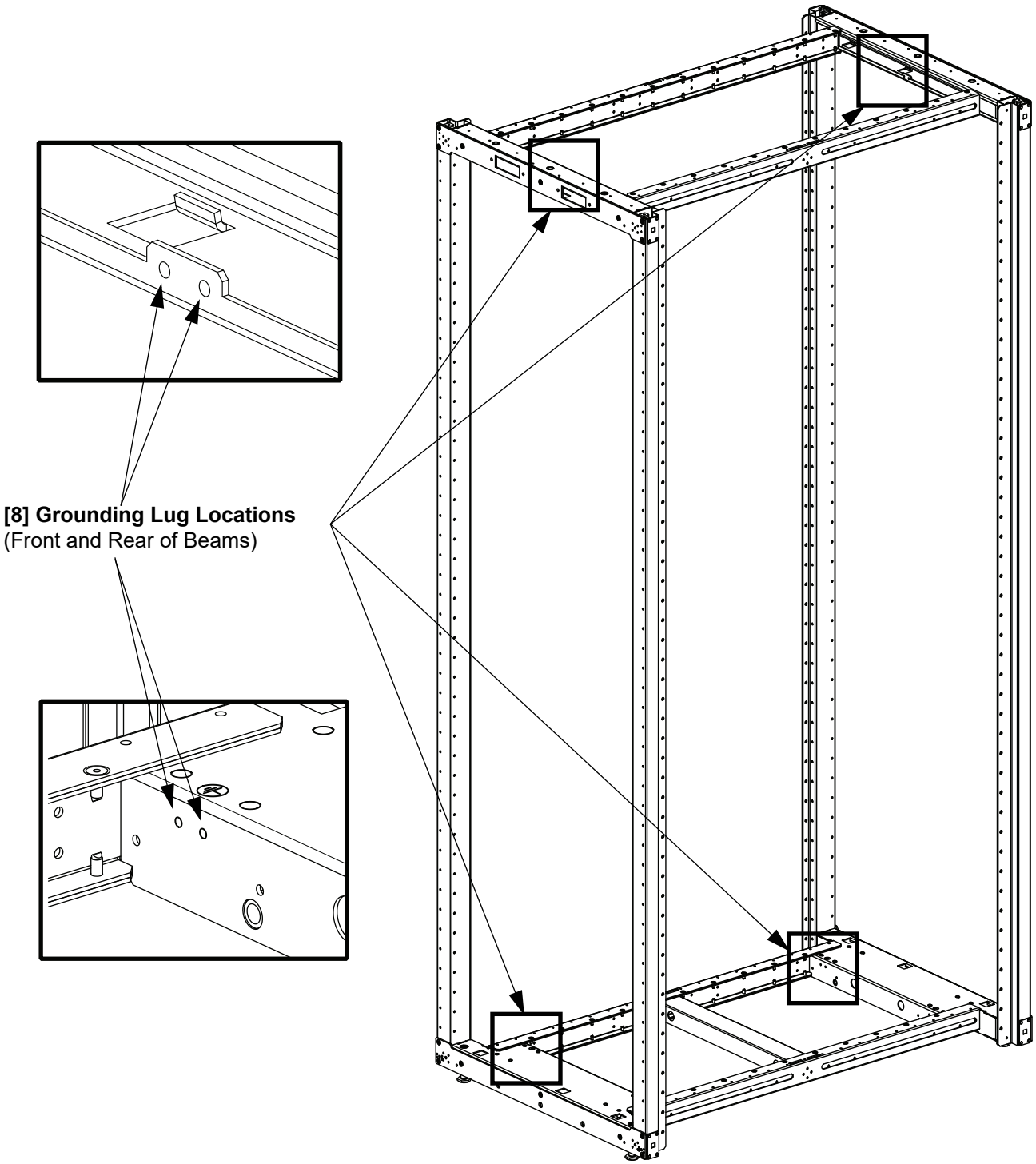
IMPORTANT:
Ensure cabinets are level by following the guidelines on page 5. Leveling the cabinet prior to ganging is important to ensure proper door operation.



REAR OF CABINETS

Grounding

- Attach Grounding Lug or Grounding Bar at any of the [6] location(s) shown below
- Grounding location is indicated by universal ground symbol
- Use M5 bonding screw



[8] Grounding Lug Locations
(Front and Rear of Beams)

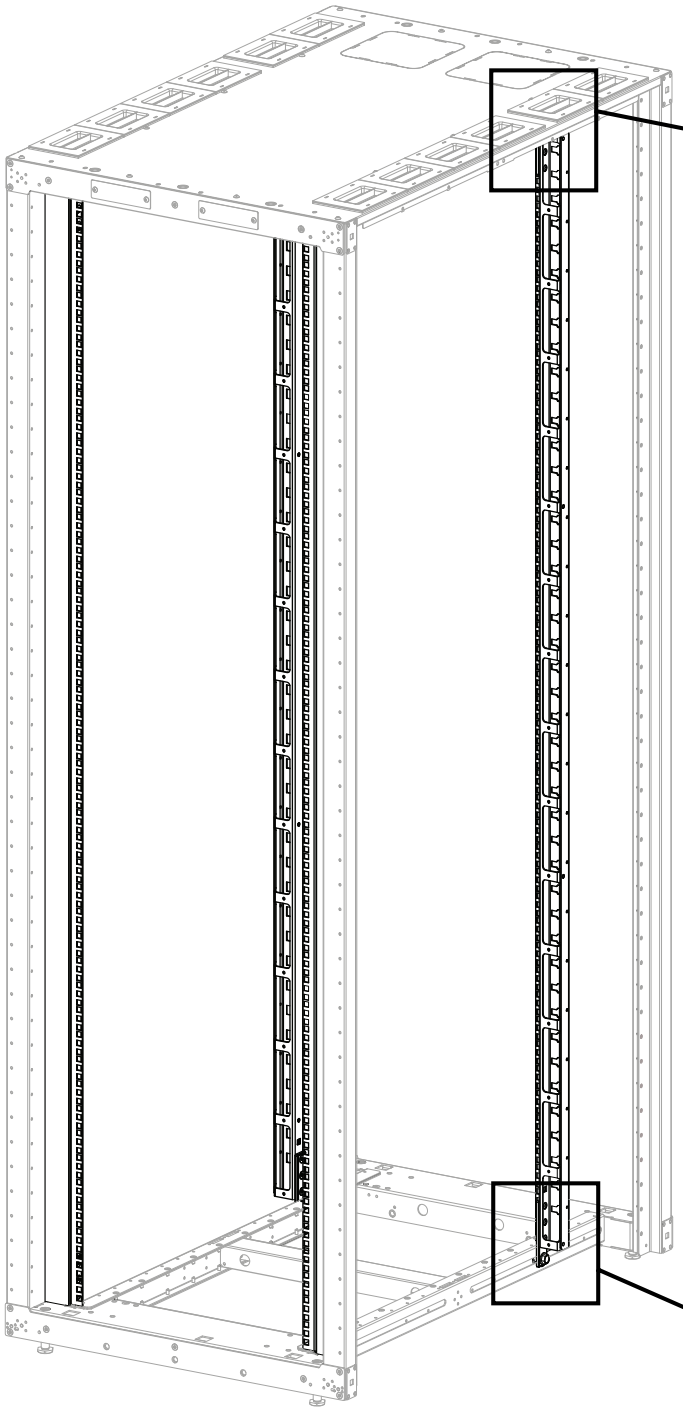
Note: top cap removed for clarity.

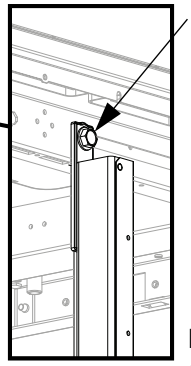
Equipment Rail Adjustment

- Loosen M10 Hex Head Screw at top and bottom of equipment rail
- Adjust equipment rail to desired position
- Tighten M10 Hex Head Screw to 30.0 +/- 5.0 N-m [22.1 +/- 3.7 Ft-lbs]

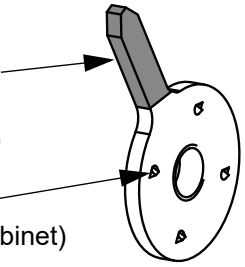
Uninstall/Re-install and Move Equipment Rails *(Top and Bottom Locations)*

- Remove [2] M10 Hex Screws at top and bottom of Equipment Rail
- Remove [2] Equipment Rail Mount Nuts through slots of Front-to-Back Beam
- ***REVERSE STEPS*** to re-install Equipment Rails *(insert Equipment Rail Mount Nuts through slots of Front-to-Back beam while holding finger grip of mount nut; ensure that barbed surface of Equipment Rail Mount Nut faces outside of cabinet)*





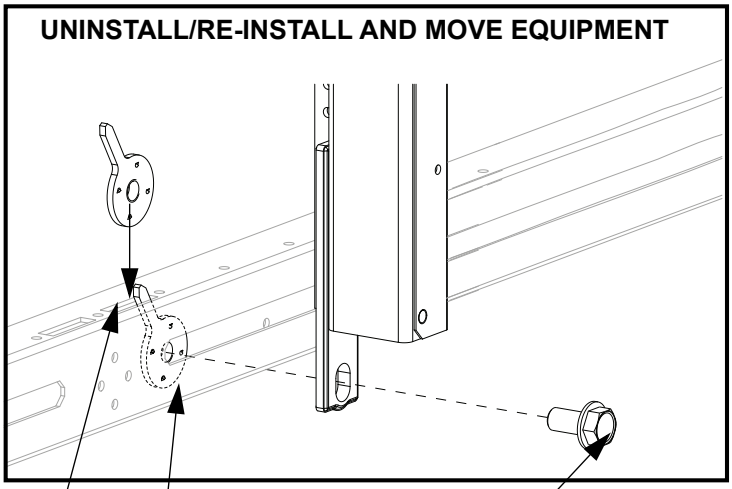
M10 Hex Head Screw
(use 15mm socket wrench)



Equipment Rail Mount Nut
(Finger Grip Area)

Barbed Surface
(face to outside of cabinet)

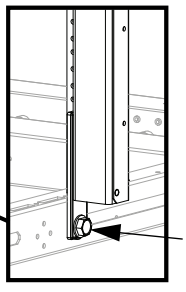
UNINSTALL/RE-INSTALL AND MOVE EQUIPMENT



Equipment Rail Mount Nut

M10 Hex Head Screw
(use 15mm socket wrench)

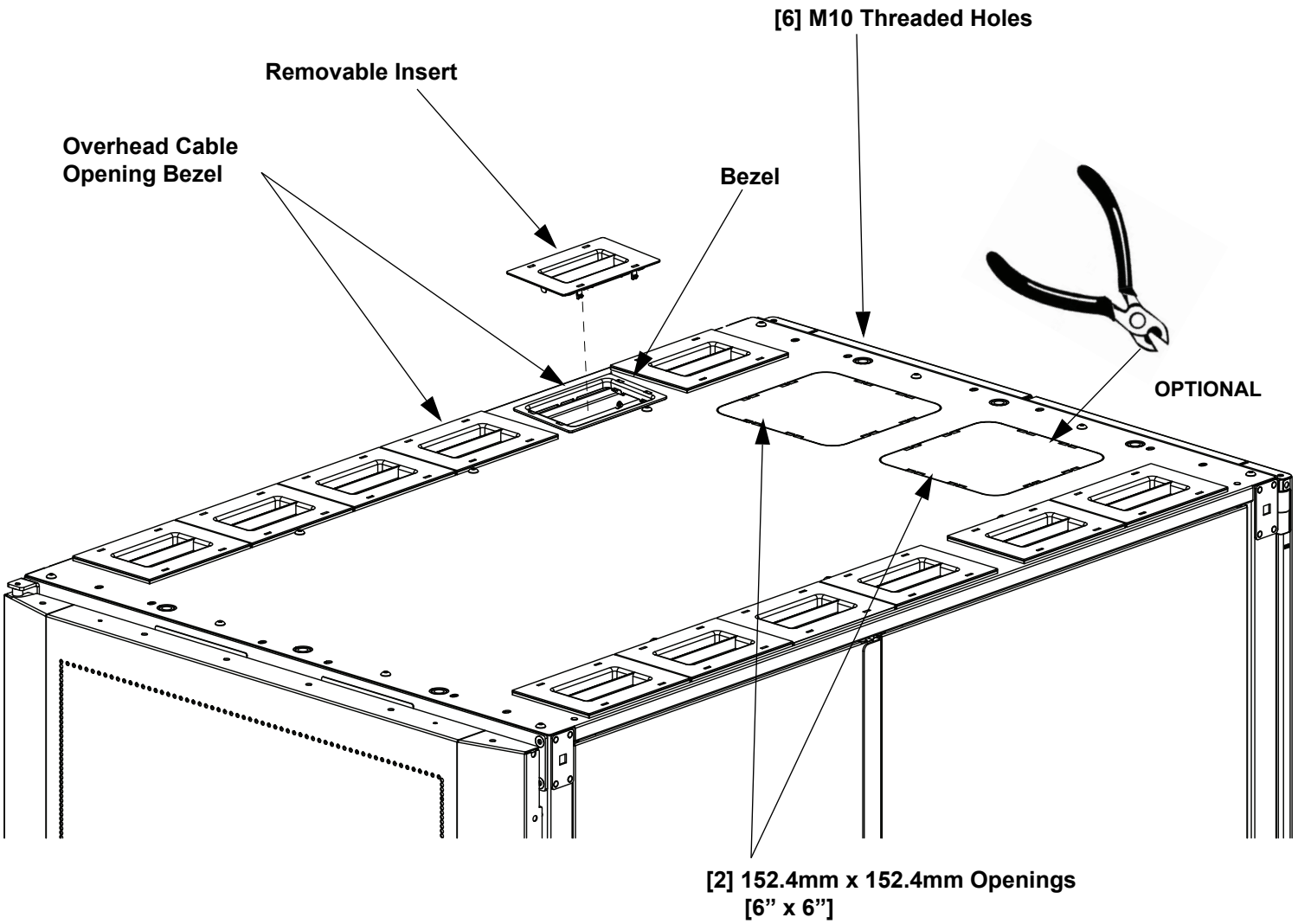
Slot of Front-to-Back Beam



M10 Hex Head Screw
(use 15mm socket wrench)

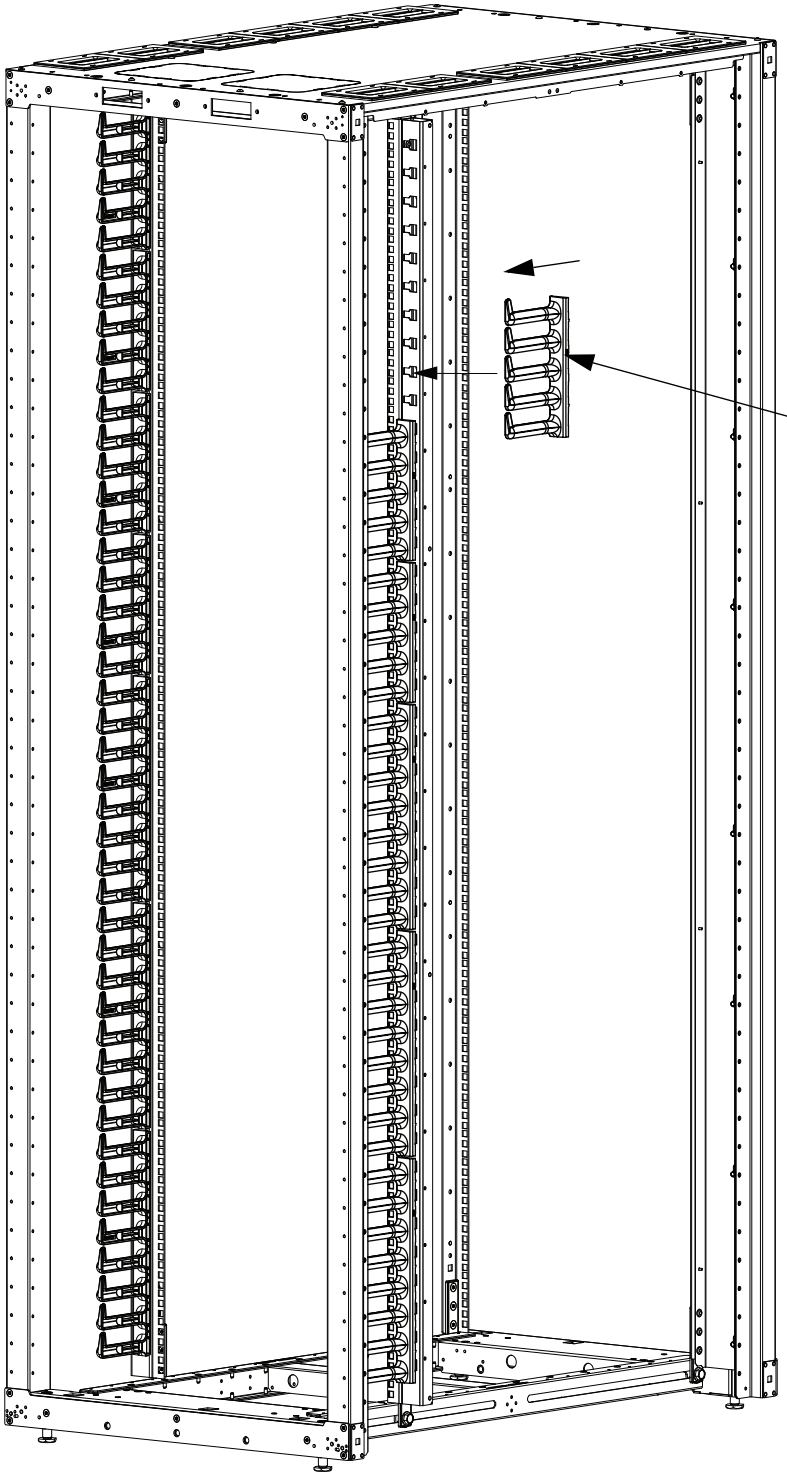
Overhead Cable Openings

- Remove Bezel Insert to allow for overhead cable entry
- Cut [8] tabs with wire cutter to open large cable openings - *OPTIONAL*
- Install M10 threaded rod into [6] tapped holes, if desired
- [2] 152.4mm x 152.4mm [6” x 6”] openings can be used to route power overhead
- PANDUIT *Cool Boot*™ products can be used to seal around cables/fiber to prevent hot air recirculation



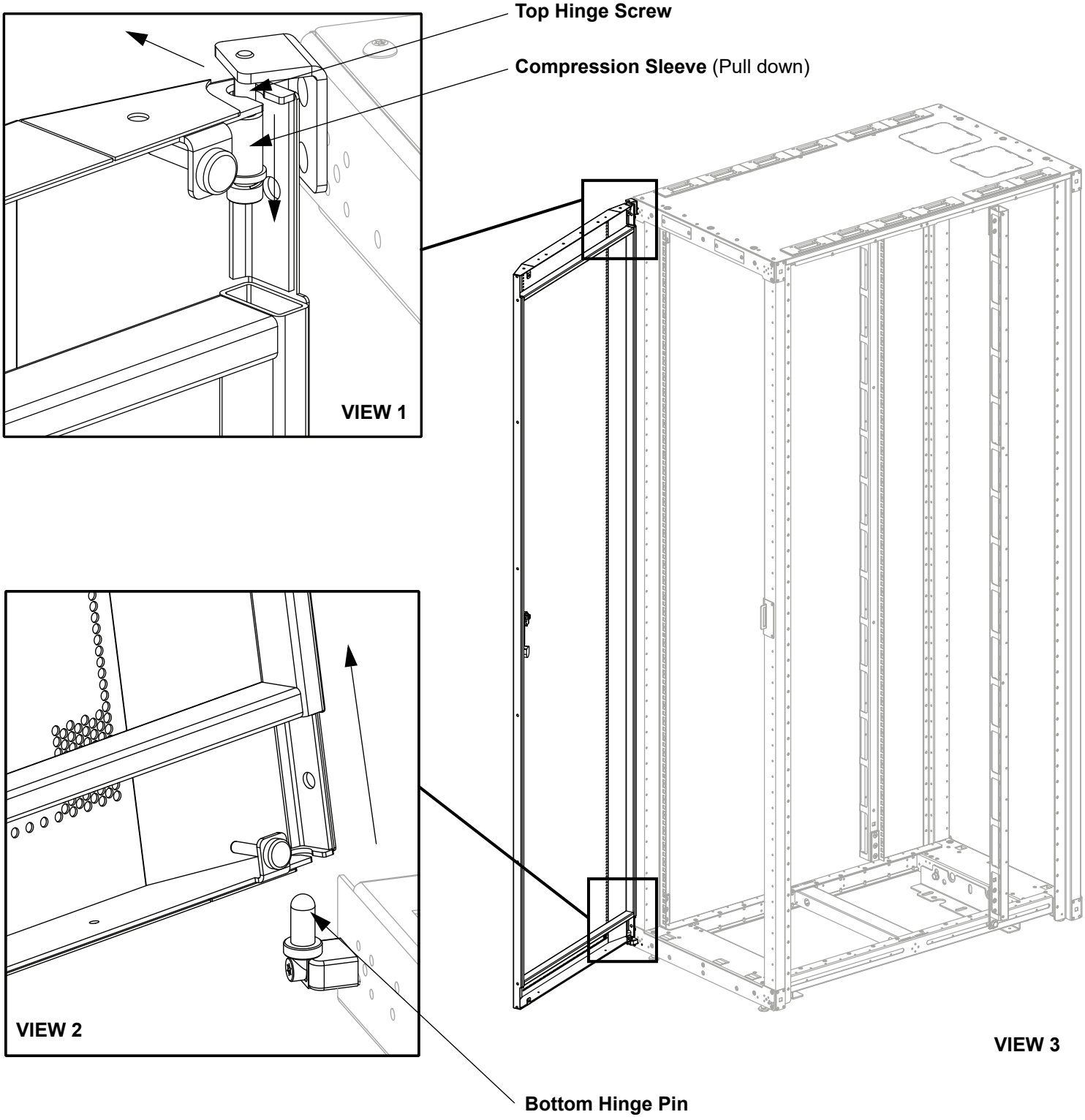
Cable Management Fingers (SN15F, SN25F)

- Insert tabs of Cable Management Finger into mounting slots of equipment rails
- Slide Cable Management Finger inward to lock into place



Single Hinge Door *(Removal and Installation)*

- **VIEW 1** Pull down Compression Sleeve at top door hinge
- **VIEW 1** Pull Single Hinge Door away from cabinet so that Top Hinge Screw fits through cutout of door
- **VIEW 2** Lift bottom of door off Bottom Hinge Pin
- ***REVERSE STEPS*** to install Single Hinge Door

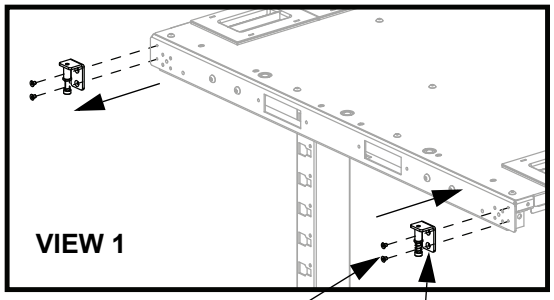


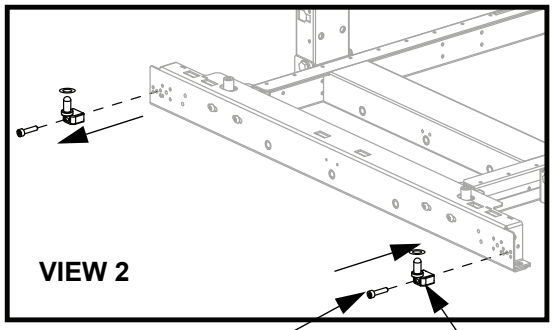
Single Hinge Door *(Door Handle Direction Reversal)*

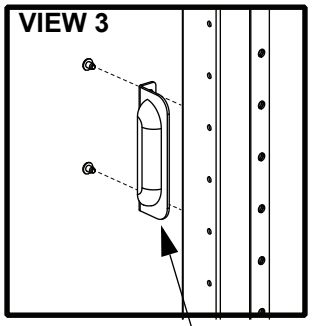
- **VIEW 1, 2** Remove Top and Bottom Hinge Brackets from current location *(remove top hinge screw, if necessary)*
- **VIEW 1, 2** Install Top and Bottom Hinge Brackets on opposite side of cabinet *(re-install top hinge screw, if necessary)*
- **VIEW 3** Move Door catch to opposite side of cabinet frame

Door Handle Reversal *(Lay door on a flat surface)* - VIEW 4, 5

- Remove Door Handle Backing Plate and rotate position of Door Handle 180º
- Loosen Cam Screw to reposition Door Cam and Cam Stop to outside of door. Tighten Cam Screw
- With Door Handle repositioned, secure Door Handle Backing Plate to Door Handle
- Remove PANDUIT label and re-attach in correct orientation near top of door
- Reinstall Single Hinge Door per instructions on Page 12







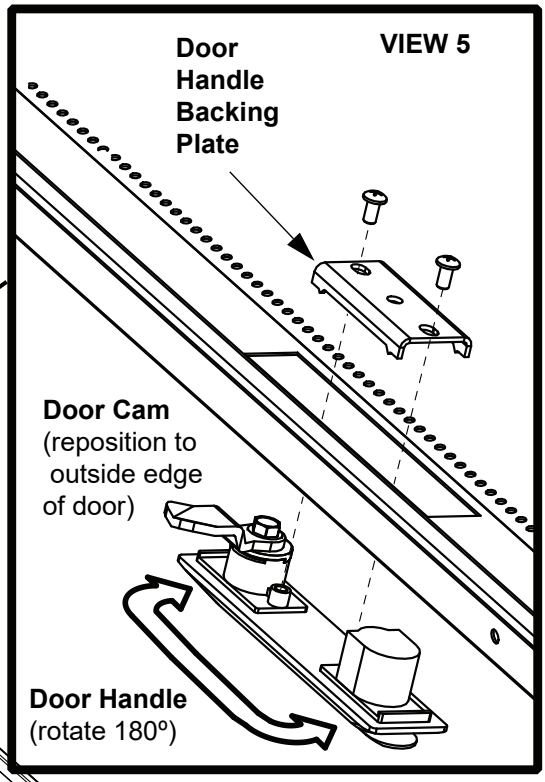
[2] M4 Screws
(use 2.5mm Allen Key)

Top Hinge Bracket

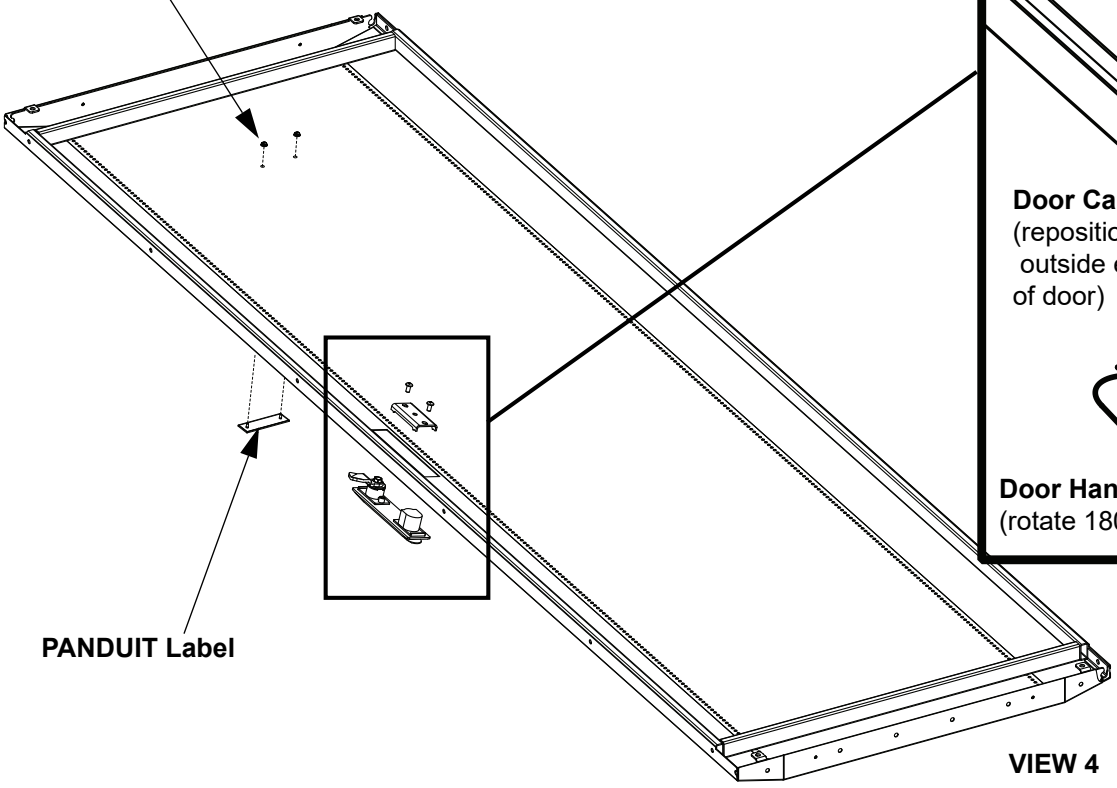
M6 Torx Screw
(use T30 Torx bit)

Bottom Hinge Bracket

Door Catch



[2] Hex Nuts
(use 8mm socket wrench)

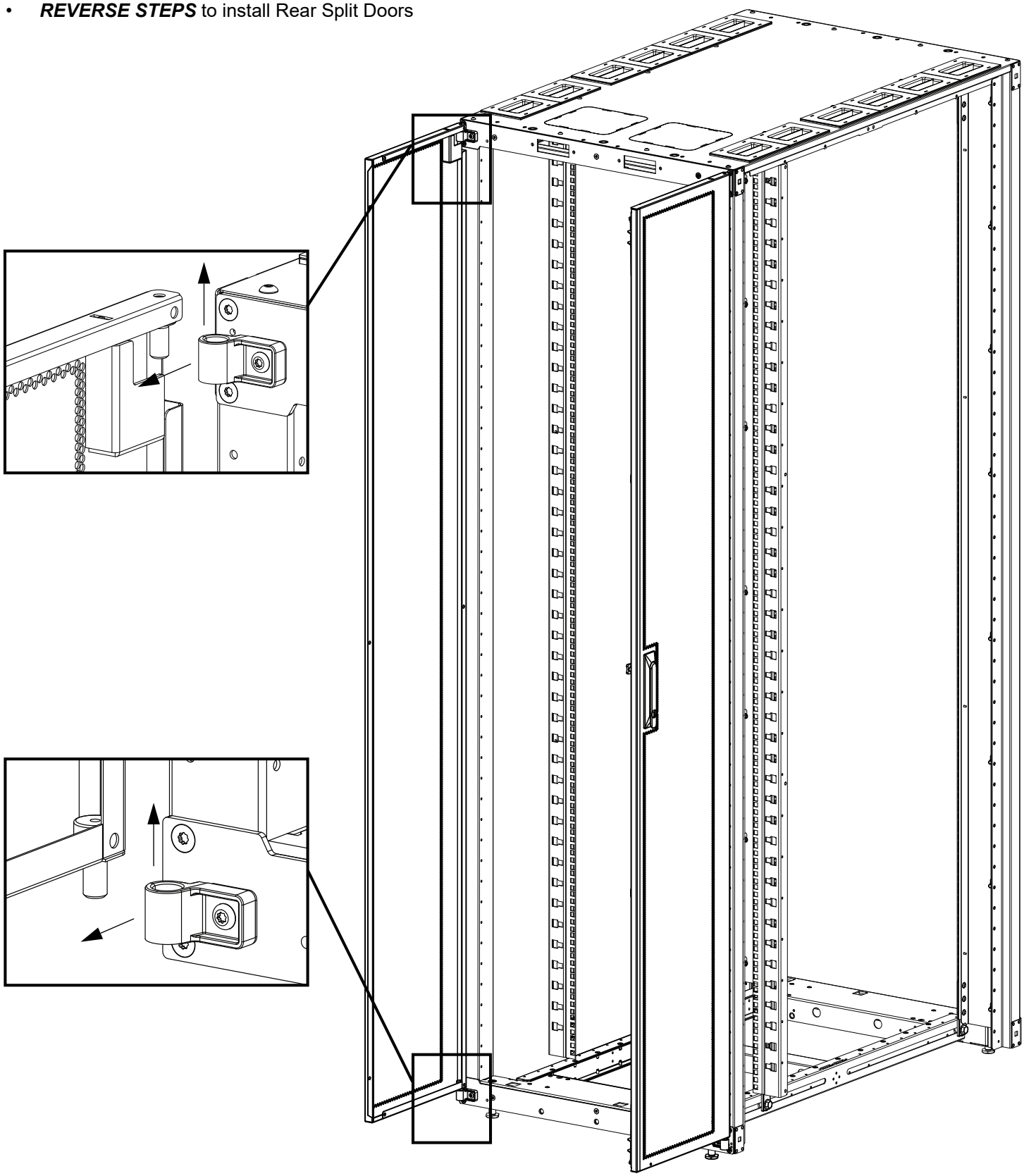


PANDUIT Label

VIEW 4

Rear Split Doors *(Removal and Installation)*

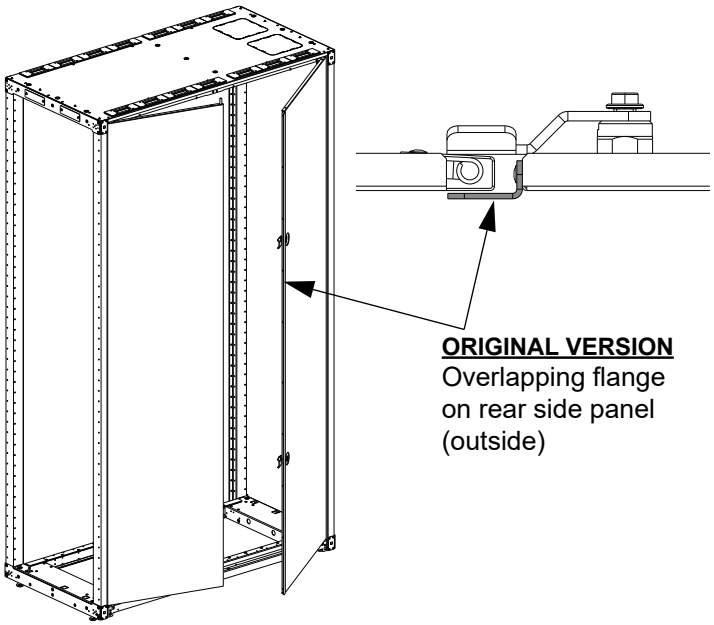
- Open Rear Split Doors to approximately 90º
- Lift Rear Split Doors up pull doors away from cabinet frame
- ***REVERSE STEPS*** to install Rear Split Doors



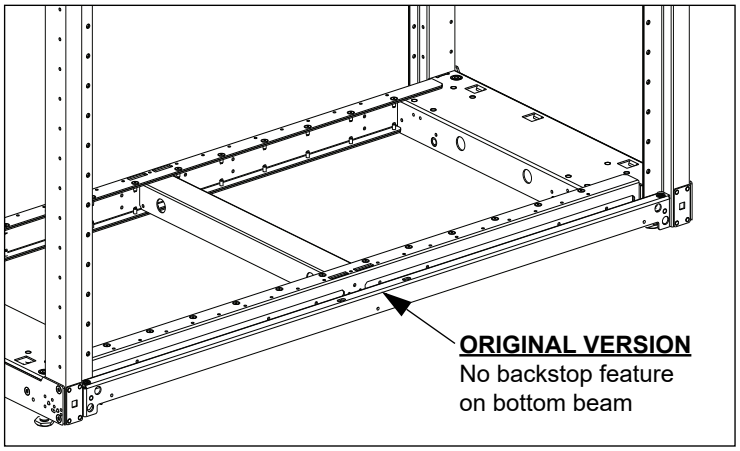
Side Panel - *(Distinguishing Features -- also reference instructions V00029CM)*

Original Cabinet

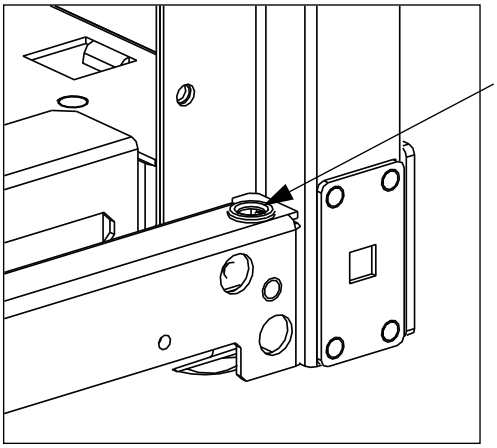
MUST USE THESE PART NUMBERS: S21SPS, S22SPS, S51SPS, S52SPS S81SPS, S82SPS, S11SPS, S12SPS



ORIGINAL VERSION
Overlapping flange on rear side panel (outside)



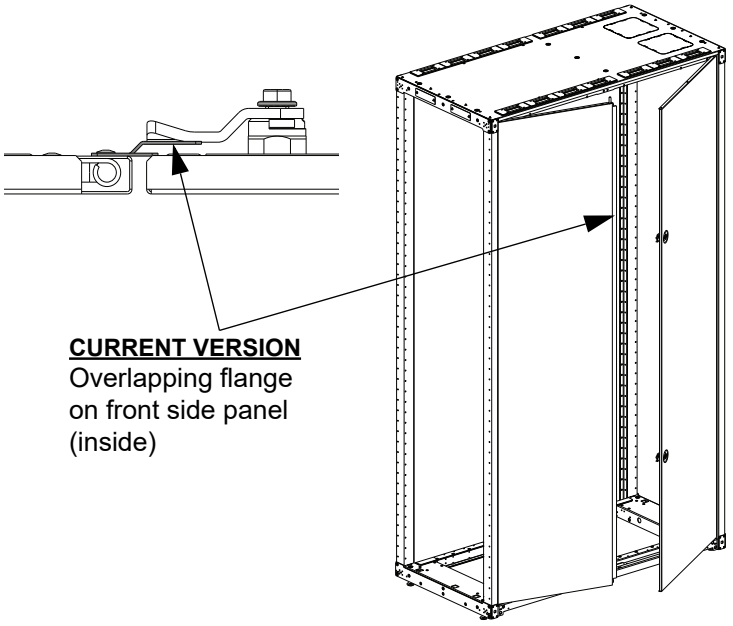
ORIGINAL VERSION
No backstop feature on bottom beam



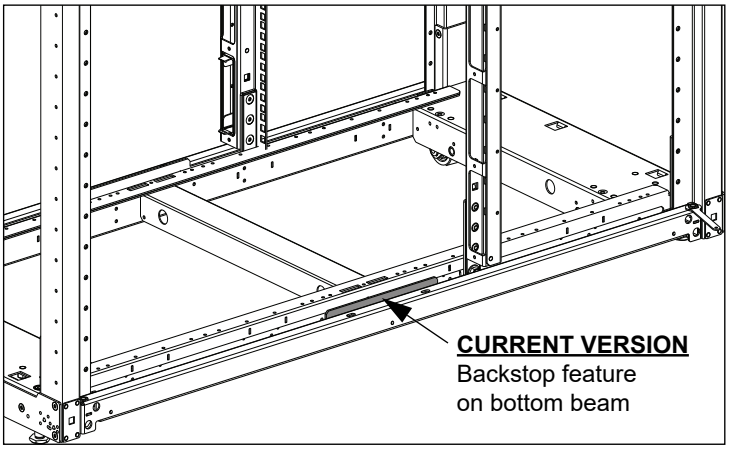
ORIGINAL VERSION
[2] Plastic bushings

Current Cabinet

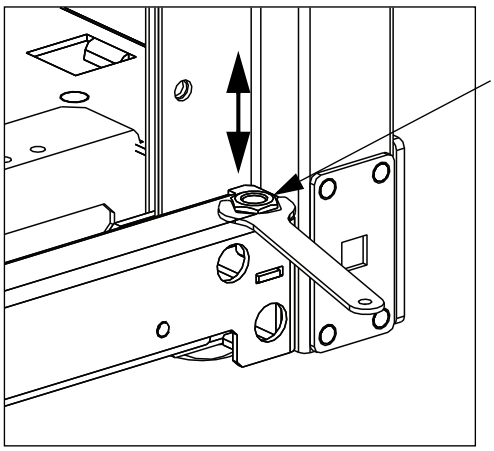
MUST USE THESE PART NUMBERS: S21SPSE, S22SPSE, S51SPSE, S52SPSE S81SPSE, S82SPSE, S11SPSE, S12SPSE



CURRENT VERSION
Overlapping flange on front side panel (inside)



CURRENT VERSION
Backstop feature on bottom beam

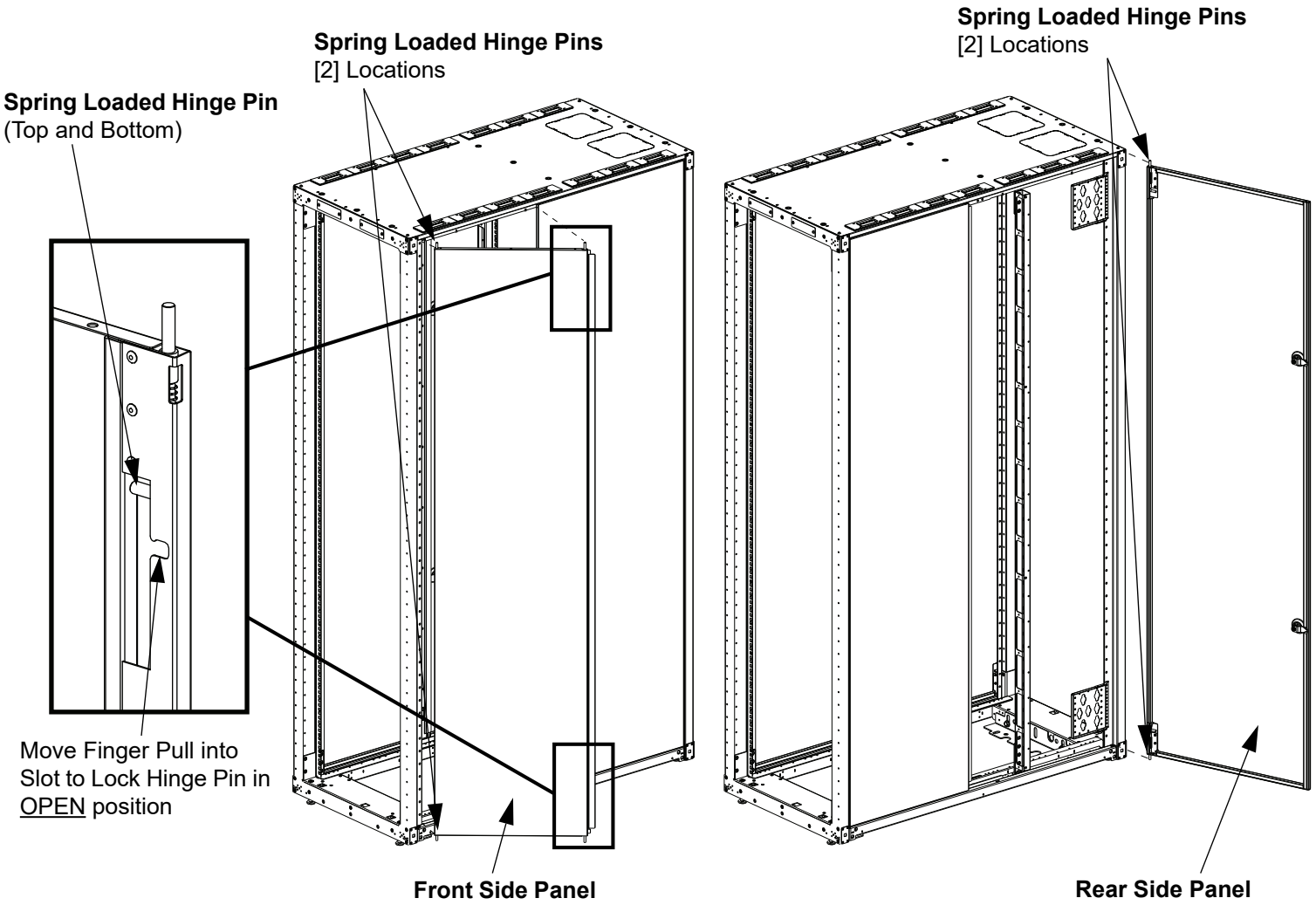


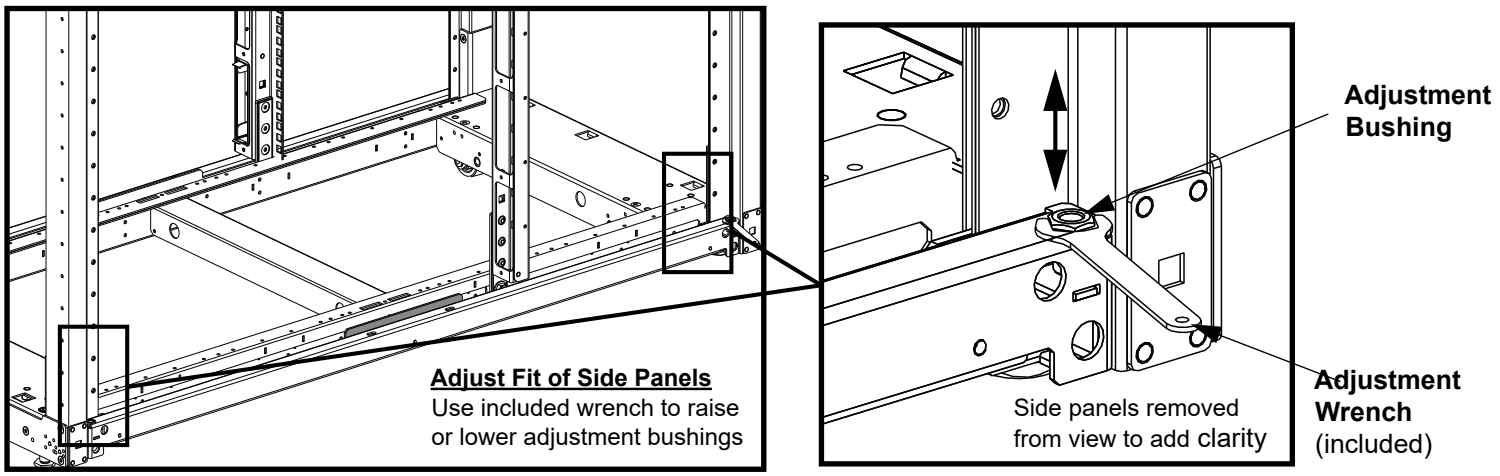
CURRENT VERSION
[2] Adjustable bushings

Side Panels *(Removal/Installation and Adjustment - optional)*

- Pull [2] Spring Loaded Hinge Pins to release Rear Side Panel from cabinet frame
- Pull [4] Spring Loaded Hinge Pins to release Front Side Panel from cabinet frame
- ***REVERSE STEPS*** to install In-Row Side Panels

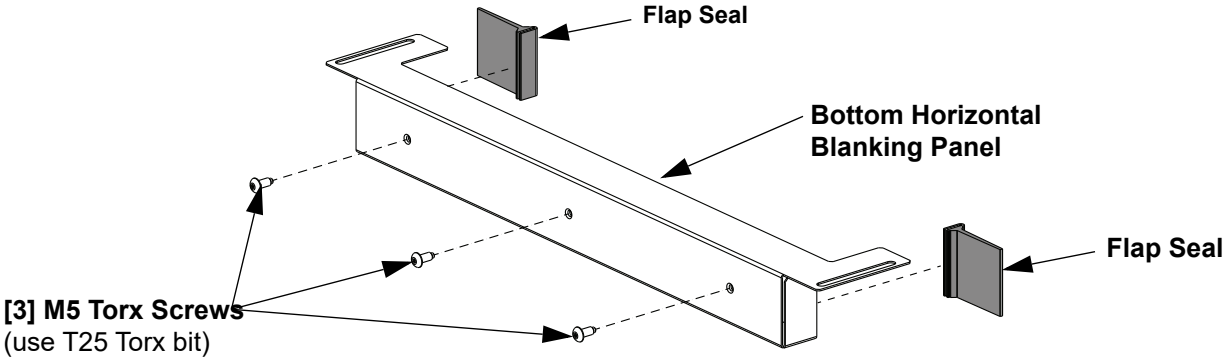
IMPORTANT: Install Front Side Panel First

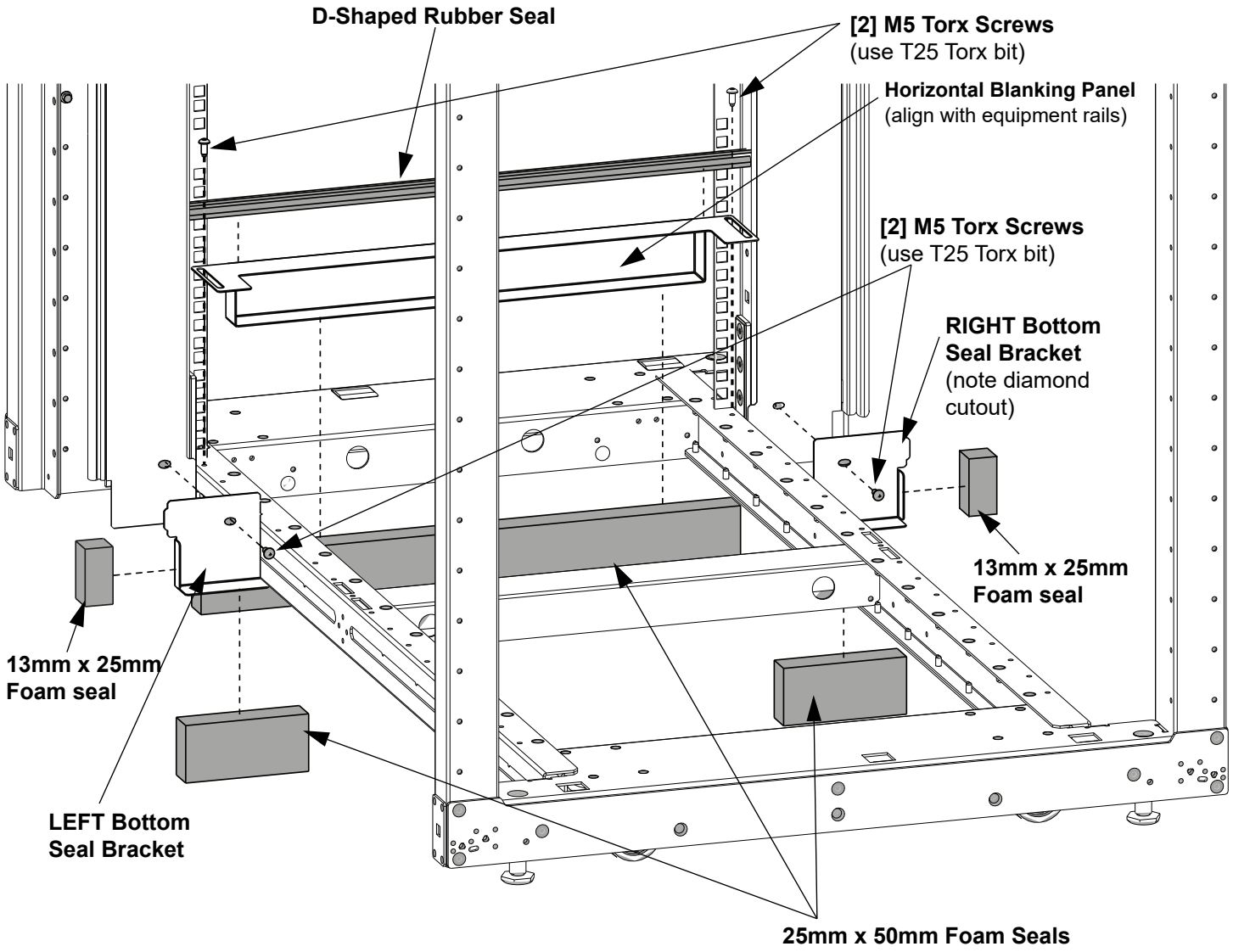




Vertical Blanking Panels *(Floor Sealing)*

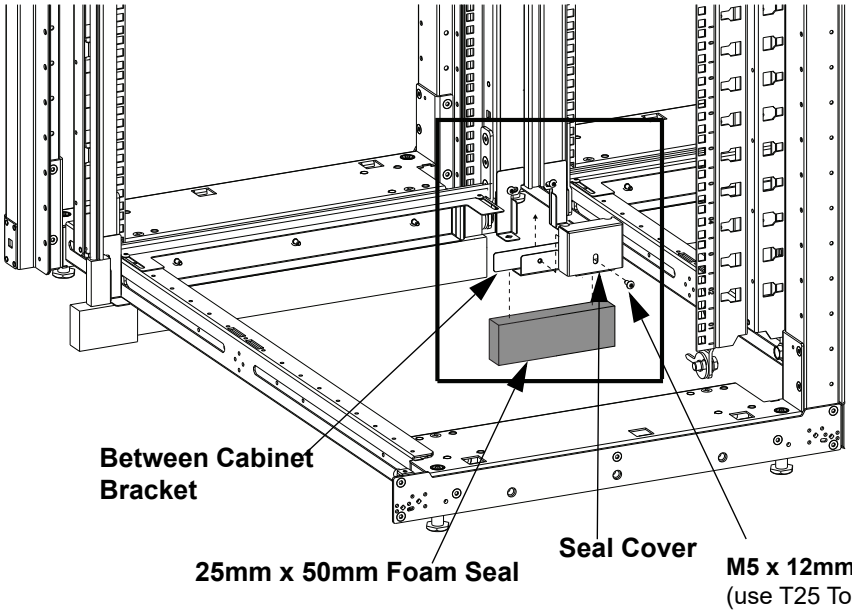
- Install [2] Flap Seal sections onto edges of Bottom Horizontal Blanking Panel
- Insert [3] M5 Torx Screws into Bottom Horizontal Blanking Panel
- Install Horizontal Blanking Panel so that front face aligns with equipment rails
- Install [2] Bottom Seal Brackets (Left Bracket is noted by diamond cutout)
- Attach D-shaped Rubber Seal to Horizontal Blanking Panels (top and bottom)
- Attach 25mm x 50mm Foam Seals to bottoms of Horizontal Blanking Panel and [2] Bottom Seal Brackets

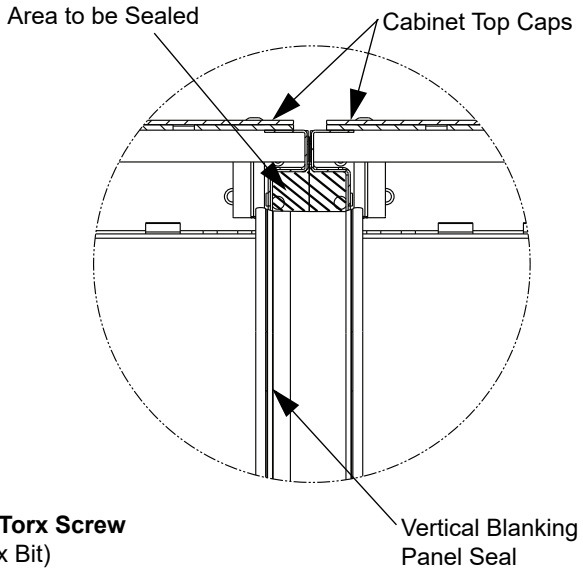




Cabinet to Cabinet Seal when (2) two cabinets without Side Panels are ganged together.

- Align Dual Cabinet Seal Bracket so the front face overlaps the front face of the Blanking panels. (See step 1)
- While holding Dual Cabinet Seal Bracket, attach Seal Cover to the Dual Cabinet Seal Bracket using M5 Torx Screw. (See step 2)
- Attach 25mm x 50mm Foam Seal to the bottom of the Seal Cover. (See step 3)

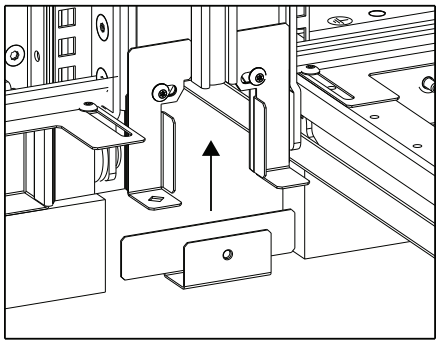




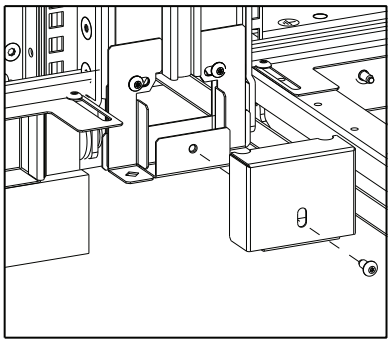
Top Cabinet to Cabinet Gap Sealing Installation

-Air Gap between top cap and Blanking Panels should be sealed with Blanking Foam Seal. For VED Cabinets only.

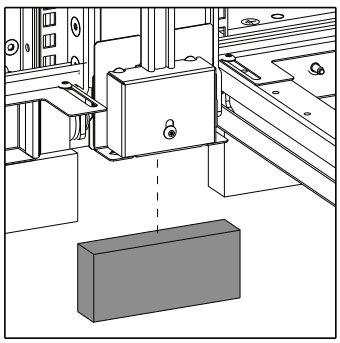
Step 1:



Step 2:

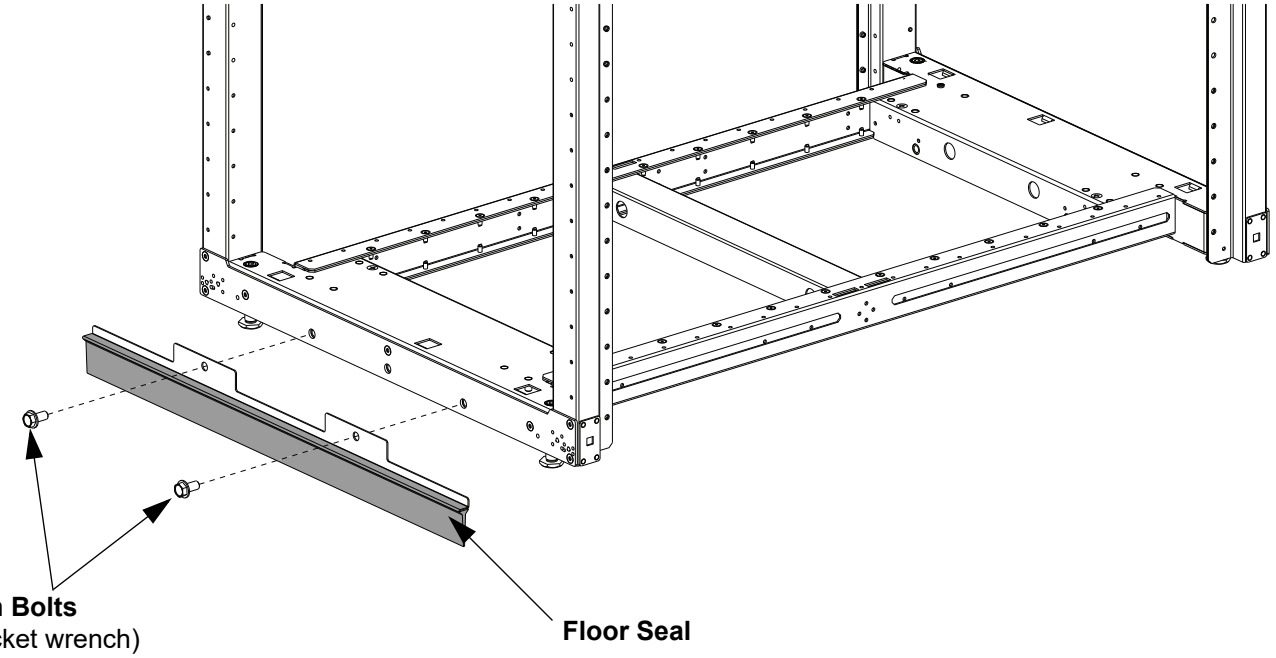


Step 3:



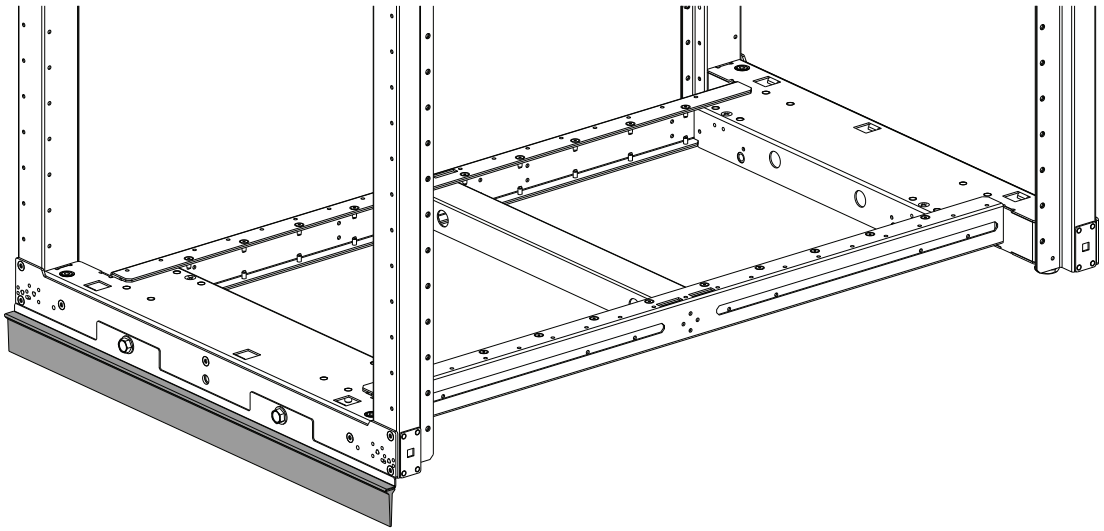
Rear Floor Seal Installation *(Vertical Exhaust Duct ONLY)*

- Install Floor Seal to rear of cabinet frame using (2) M10x20mm Bolts.
  (Flange on floor seal will face outward away from the cabinet.)



[2] M10x20mm Bolts
(use 15mm socket wrench)

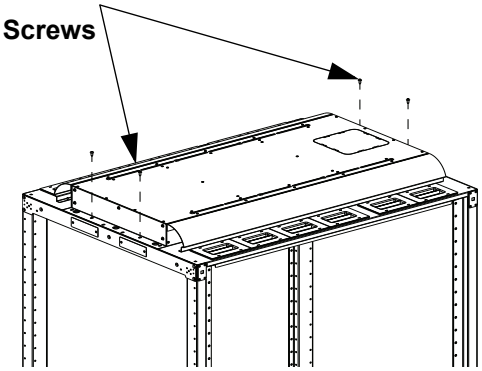
Floor Seal



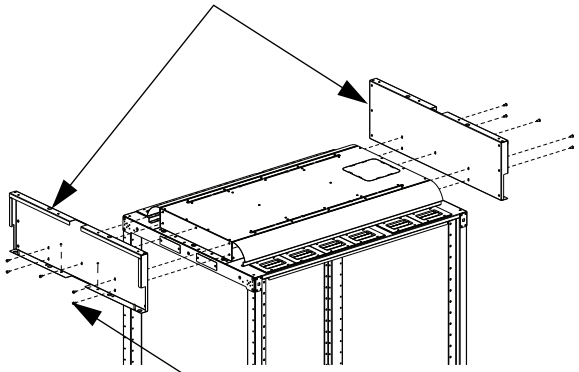
Top of Cabinet Cable Manager Installation (Optional)

- Disassemble front fascia assemblies (packaged in cabinet) by removing (2) M5x0.8 button head screws (use T25 Torx bit).
- Remove (2) M5x0.8 button head screws (use T25 Torx bit) from front and rear of Cable Manager base.
- Install vertical walls on front and back of Cable Manager base using (5) M5x0.8 button head Torx screws (use T25 Torx bit). Re-install screws from previous step to secure to the frame.
- Attach front fascia to the front vertical wall by sliding fascia over studs in vertical wall.(see detail view). Tighten with (4) M5x0.8 button head screws (use T25 Torx bit).
- Attach rear fascia to the rear vertical wall by sliding fascia over studs in vertical wall (see detail view). Tighten with (4) M5x0.8 button head screws (use T25 Torx bit).

- Remove -
[4] M5 Torx Screws
(use T25



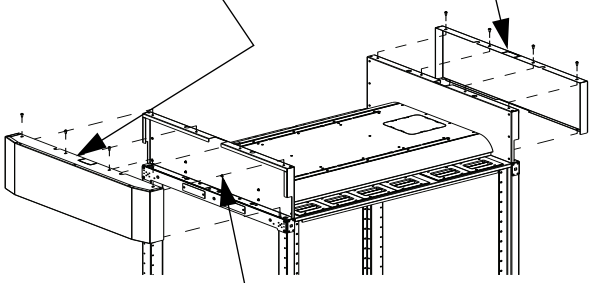
[2] Vertical Walls



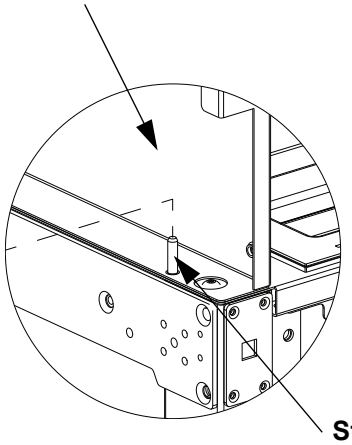
[5] M5 Torx Screws
(use T25 Torx bit)

Rear Fascia

Front Fascia

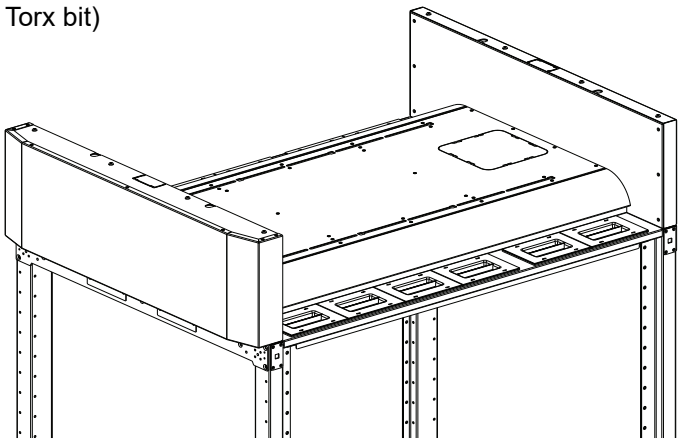


[2] Vertical Walls



Studs

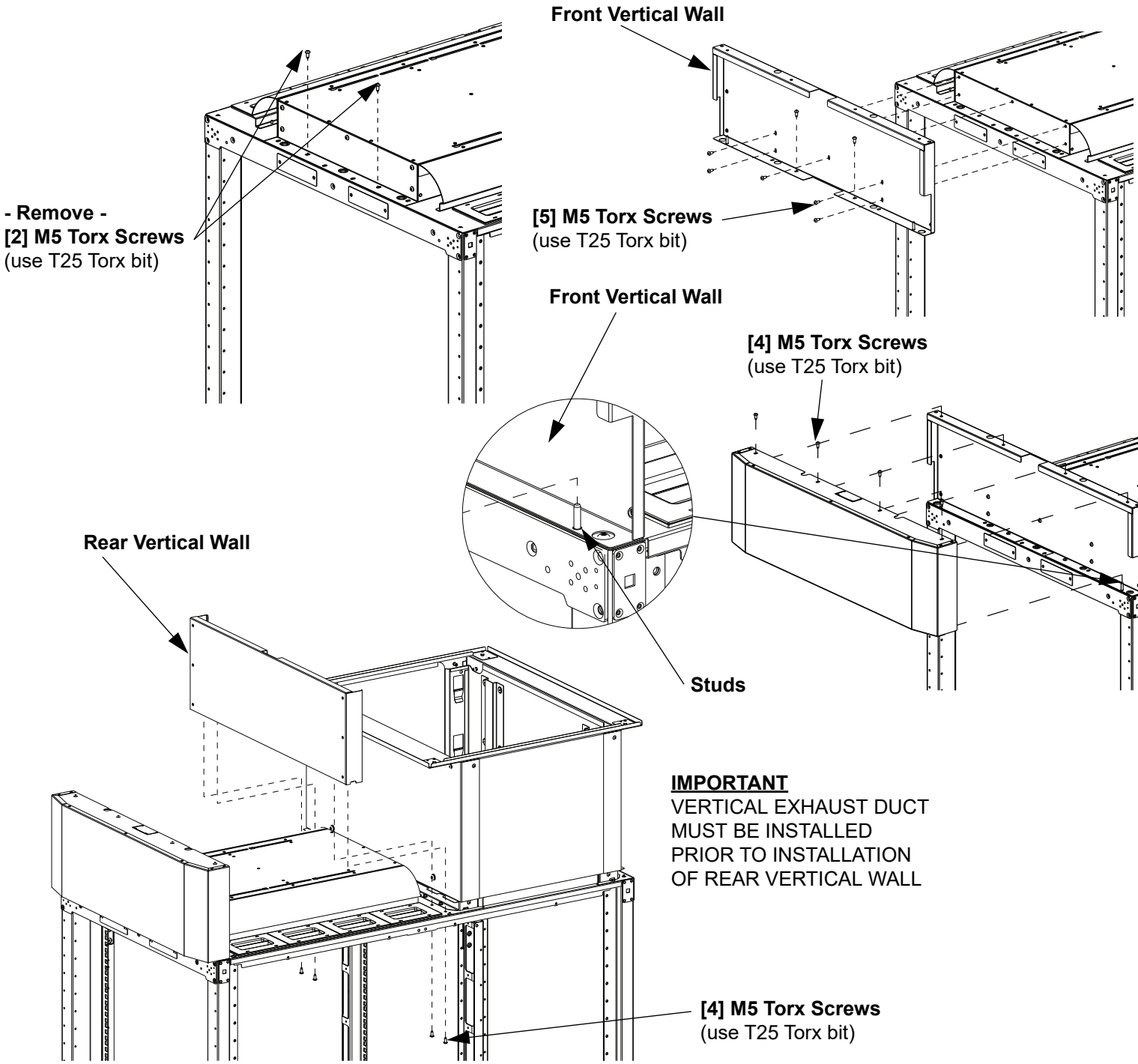
[4] M5 Torx Screws
(use T25 Torx bit)



Top of Cabinet Cable Manager Installation *(for vertical exhaust ducts)*

IMPORTANT - INSTALL VERTICAL EXHAUST DUCT PRIOR TO INSTALLING REAR VERTICAL WALL

- Disassemble front fascia assemblies (packaged in cabinet) by removing (2) M5x0.8 button head screws (use T25 Torx bit).
- Remove (2) M5x0.8 button head screws (use T25 Torx bit) from front of Cable Manager base.
- Install vertical wall on front of Cable Manager base using (5) M5x0.8 button head Torx screws (use T25 Torx bit). Re-install screws from previous step to secure to the frame.
- Attach front fascia to the front vertical wall by sliding fascia over studs in vertical wall (see detail view). Tighten with (4) M5x0.8 button head screws
- Attach rear vertical wall to the Cable Manger with (4) M5x0.8 button head screws (use T25 Torx bit) from underneath Top of Cabinet Cable Manager.



IMPORTANT
VERTICAL EXHAUST DUCT MUST BE INSTALLED PRIOR TO INSTALLATION OF REAR VERTICAL WALL