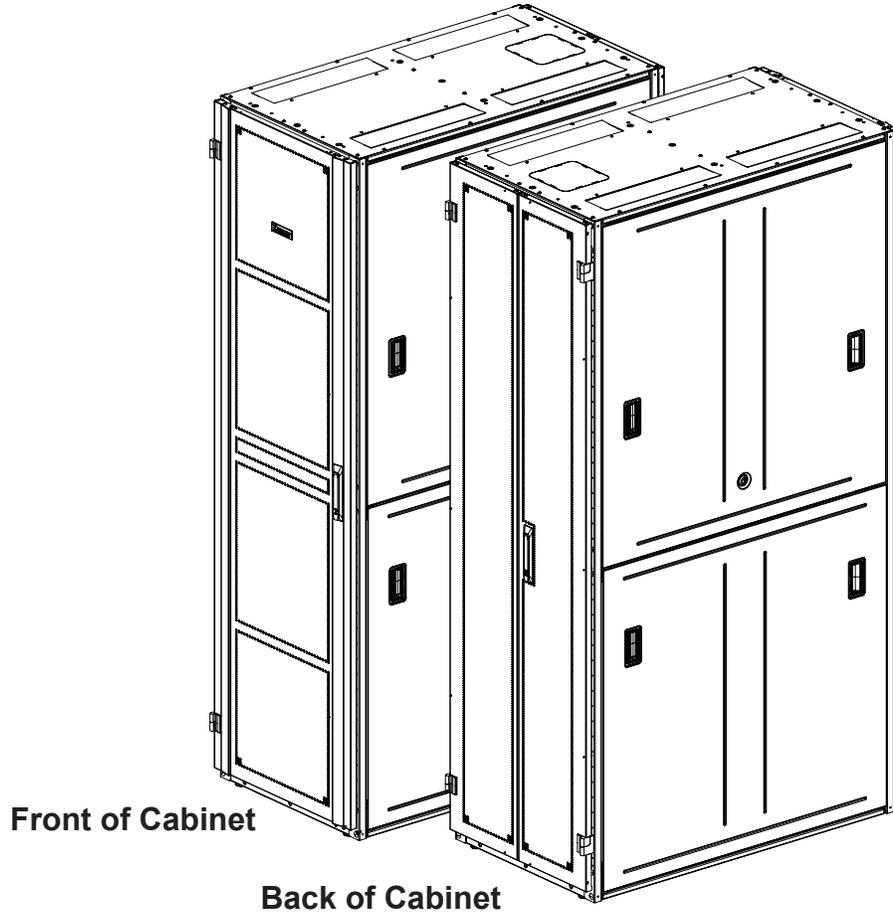
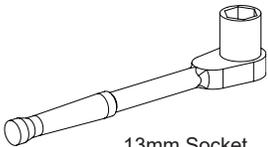


NOTE: Some views in this document may vary slightly from your actual cabinet configuration. Components missing from some views for clarity purposes.



FlexFusion Cabinets Tool List



13mm Socket
Wrench

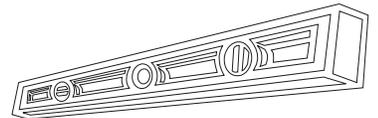
15mm Socket
Wrench



6mm Hex Key



T25 Torx driver



122mm (48") Level

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.

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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).

After the cabinet has been removed from the pallet, ensure that the leveling legs are in the fully-retracted position (refer to pages 5-6) before rolling the cabinet on casters. It is recommended to add at least 136Kg (300 lbs.) of equipment to the bottom 10RU of the cabinet to provide extra stability before rolling the cabinet.

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

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

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 1588 kg (3500lbs.) The maximum weight load when the cabinet is rolling on casters is 454 kg (1000 lbs.) 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 operating temperature is 50° 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. These instructions shall not result in the risk of fire, electric shock, or injury to persons.

UL Listing covers enclosure cabinet only

For Technical Support: www.panduit.com/resources/install_maintain.asp

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Packaging Material Removal

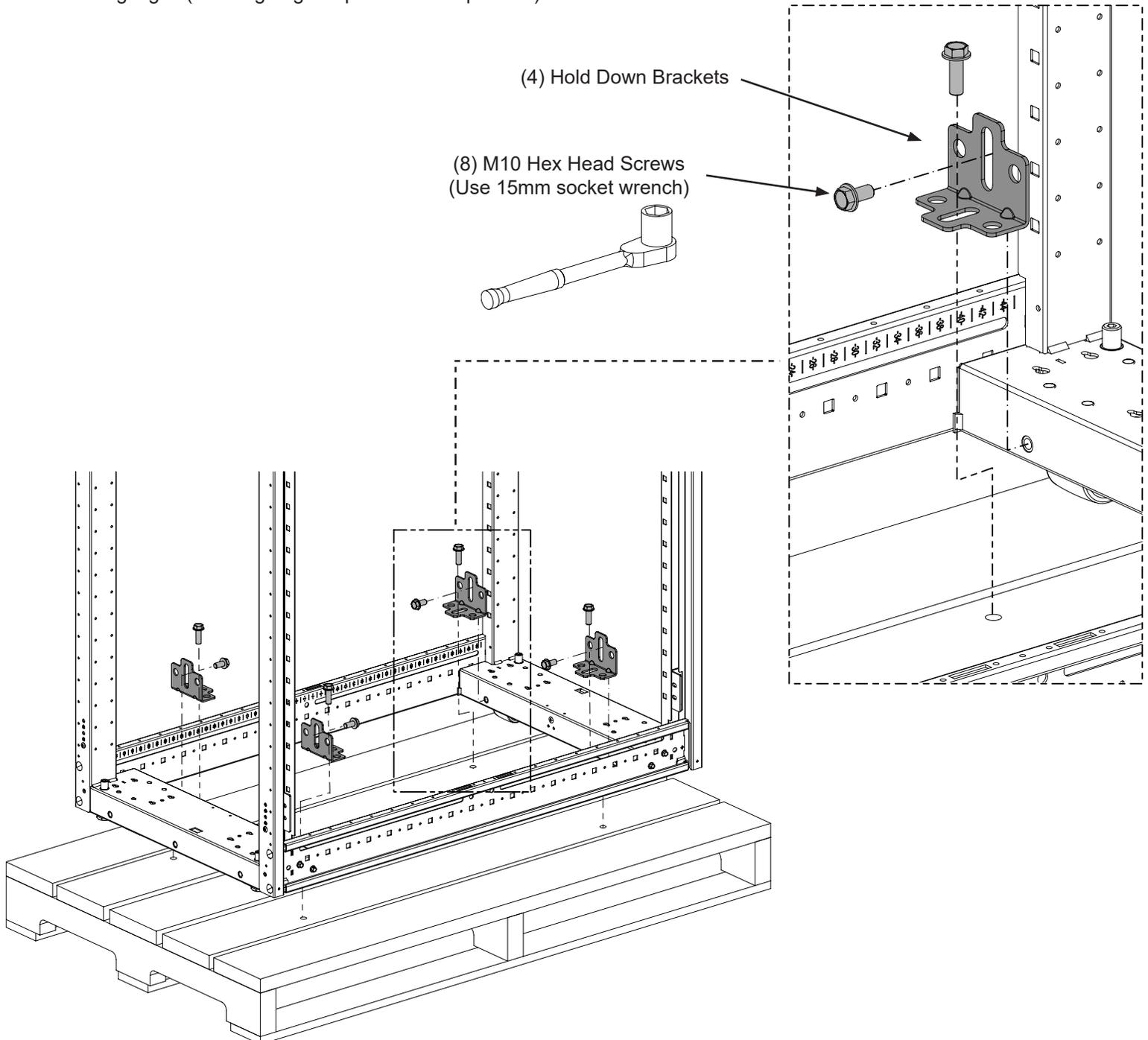
- Remove all stretch wrap, protective cardboard, and plastic bag from outside of cabinet.
- Remove [4] Hold Down Brackets at front and rear of cabinet.
- Use **at least [2] persons** to carefully remove cabinet from pallet.

Note:

Shipping Hold Down Bracket doubles as **Floor Mounting Bracket**. Retain bracket for floor mounting. (see Page 6)

Important:

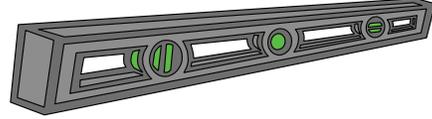
Leveling Legs must be fully retracted before the cabinet is moved into place. Sliding cabinet on leveling legs may result in damage to the leveling legs. (Leveling Legs ship in retracted position)



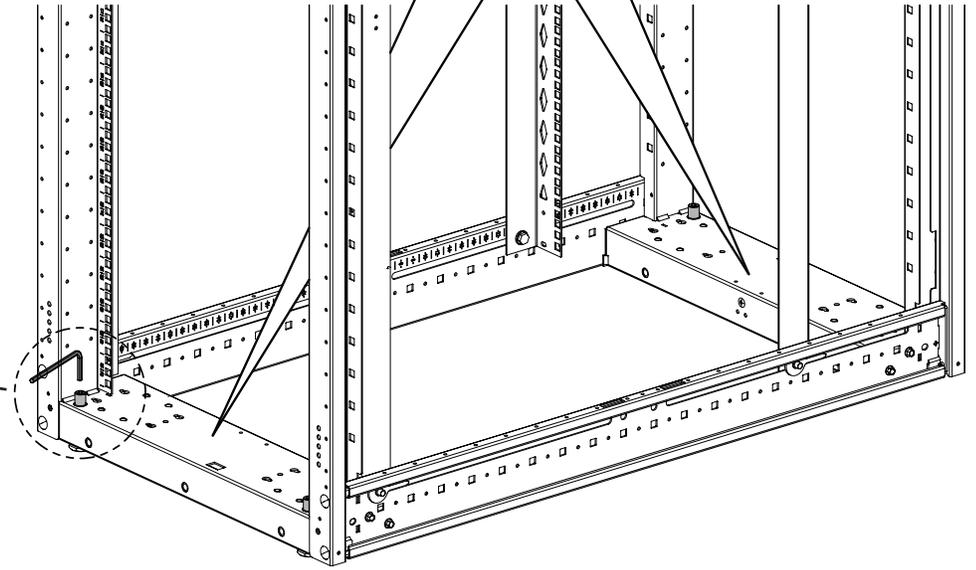
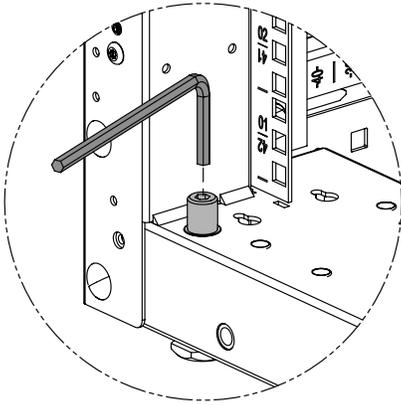
Leveling

- Ensure that (4) Leveling Legs are fully retracted.
- Move Cabinet into final position.
- Lower the (4) Leveling Legs until the cabinet weight is fully supported by only the leveling legs.
- Adjust the (4) Leveling Legs so that the cabinet is level front-to-back and side-to-side.

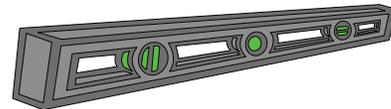
1



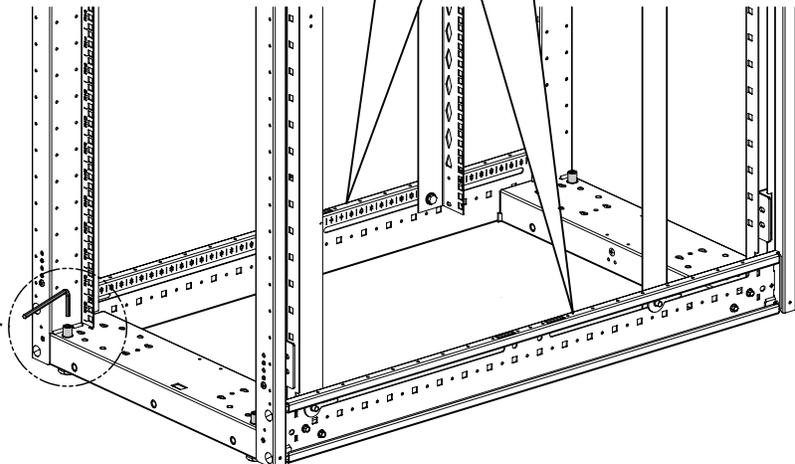
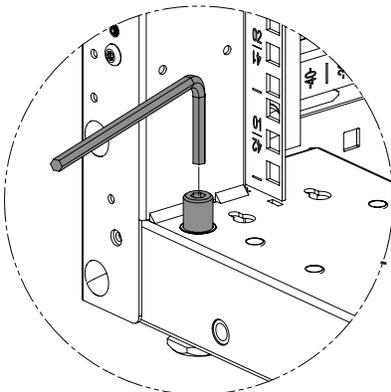
6mm Hex Key
4 places
Level Front to Back



2



6mm Hex Key
4 places
Level Side to Side



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WARNING

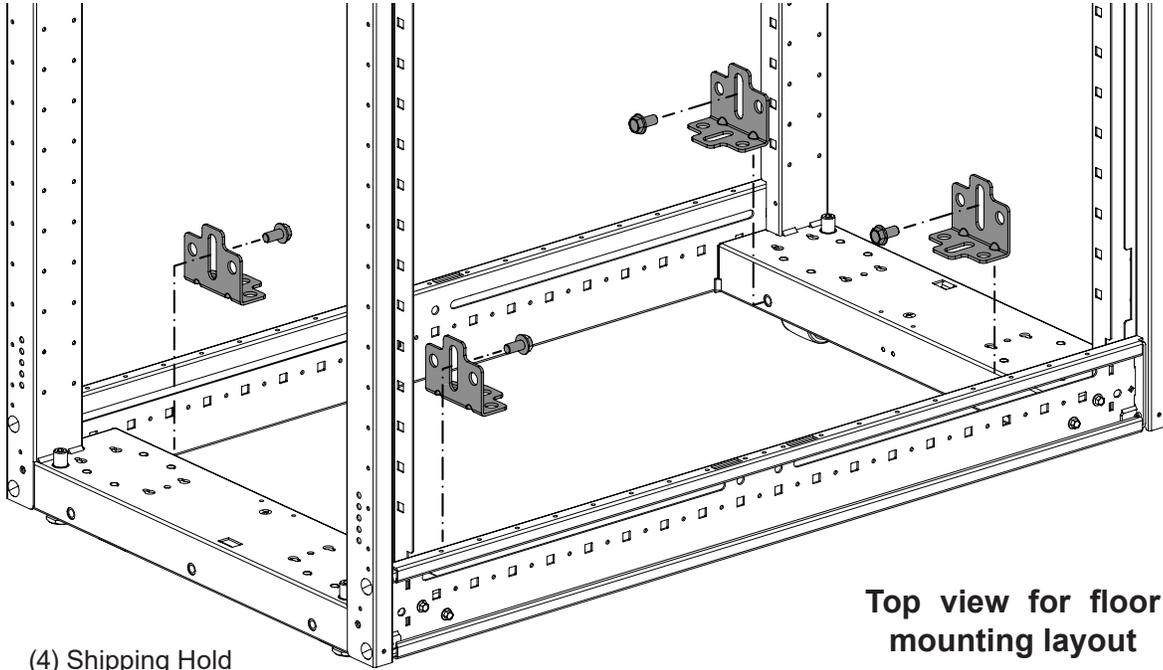
Cabinet Tipping Hazard

Mount cabinet to floor before equipment is installed in cabinet.

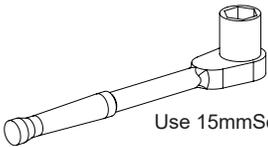
FAILURE TO FOLLOW THESE INSTRUCTIONS CAN LEAD TO SERIOUS INJURY, DEATH, OR DAMAGE TO YOUR EQUIPMENT.

Floor Mounting

- Secure (2) **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



(4) Shipping Hold Down Brackets & M10 screws
Previously removed during 'Packaging Material Removal' step (Page 4).



Use 15mm Socket Wrench

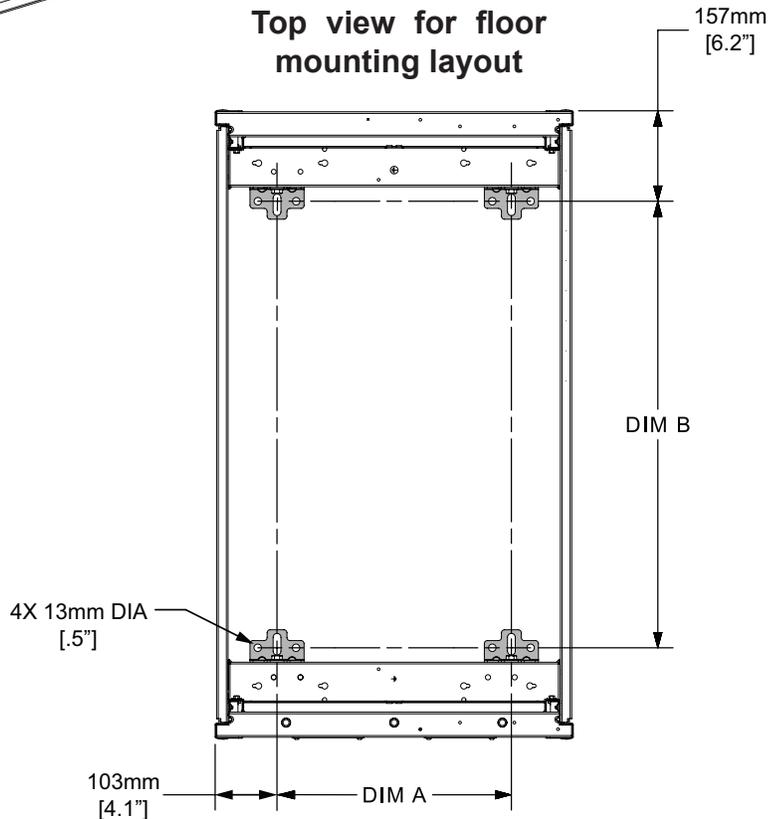
DIM A:

- 600mm wide cabinets: 390mm (15.4")
- 800mm wide cabinets: 590mm (23.2")

DIM B:

- 1070mm deep cabinets: 744mm (29.3")
- 1200mm deep cabinets: 894mm (35.2")

Top view for floor mounting layout





WARNING

Cabinet Tipping Hazard

Ganging of cabinets only provides limited stability to the cabinets, and is not a substitute for proper leveling or floor mounting of cabinets. Ensure that cabinets are properly mounted to floor before cabinet is fully loaded with equipment. (See page 6)

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

Ganging Multiple Cabinets Together

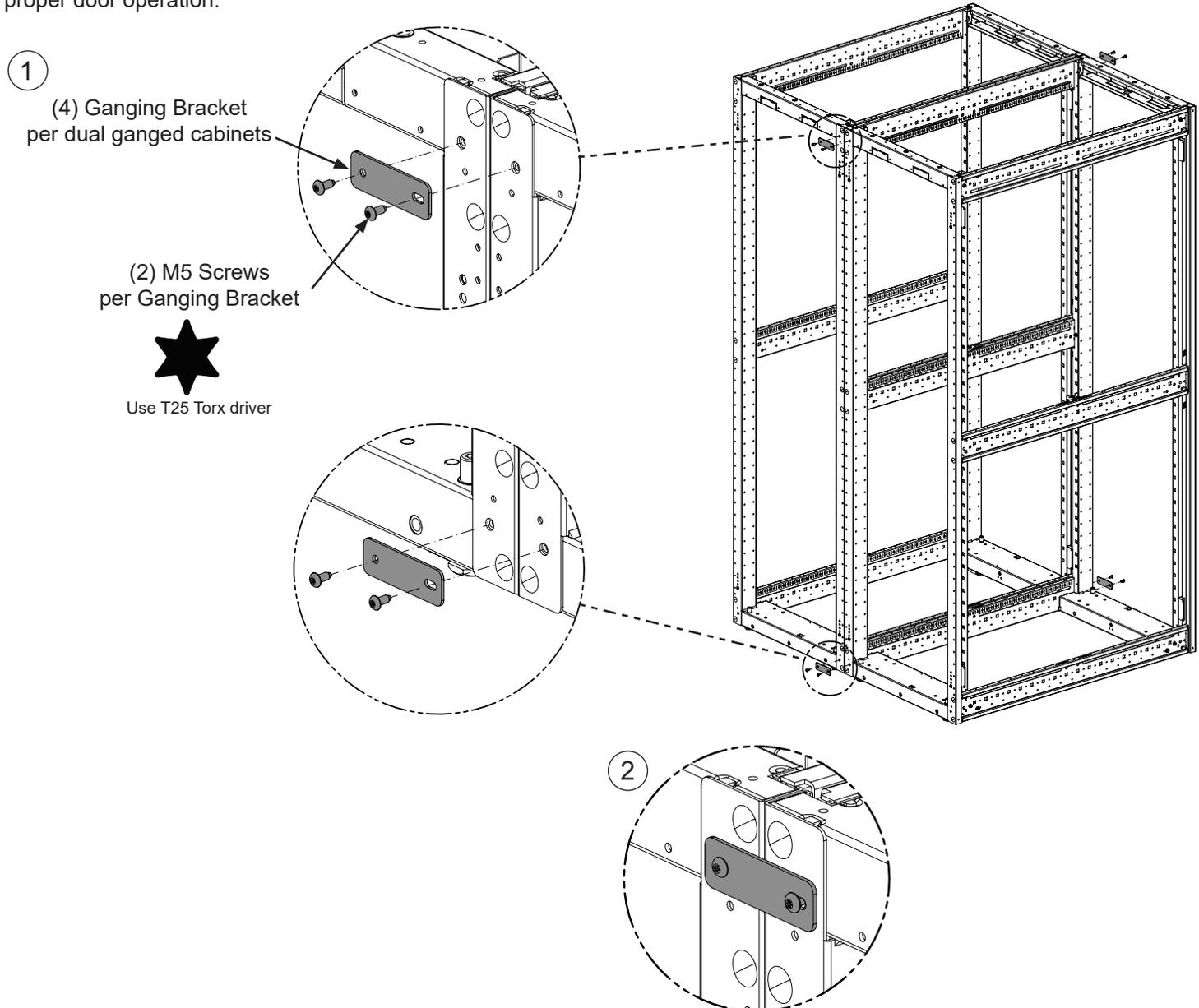
- Ensure cabinets are level
- Secure Ganging Brackets to cabinets at (2) front locations and (2) back locations
- Use Ganging Brackets to cinch cabinets together

IMPORTANT:

If you are planning to use Panduit Day 2 side panel instead of the side panels included with the cabinet, a 3mm gap between adjacent cabinets is required. Ganging bracket can accommodate a 3mm gap between cabinets.

IMPORTANT:

Ensure cabinets are level by following the guidelines on page 6. Leveling the cabinet prior to ganging is important to ensure proper door operation.





DANGER

Electrical Shock Hazard

Each cabinet must be connected to the Common Bonding Network (CBN).

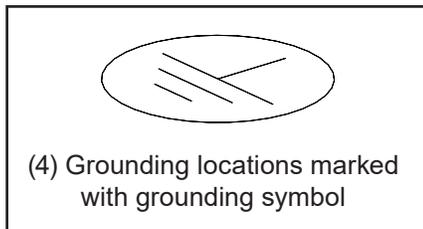
FAILURE TO FOLLOW THESE INSTRUCTIONS CAN LEAD TO SERIOUS INJURY, DEATH, OR DAMAGE TO YOUR EQUIPMENT.

Grounding

- Attach Grounding Lug or Grounding Bar to Common Bonding Network (CBN), at any of the (4) locations shown below
- Grounding location is indicated by universal ground symbol near grounding lug locations.
- Remove factory-installed masking tape at grounding lug location to expose unpainted surface of cabinet frame. Grounding lug or grounding bar must be assembled onto this unpainted surface (*per NEC NFPA 70 Article 250.12*).
- Use (2) M5 x 12mm thread forming bonding screws to fasten grounding terminal to cabinet frame (torque screws to 5.1 N-m (45 in-lb))

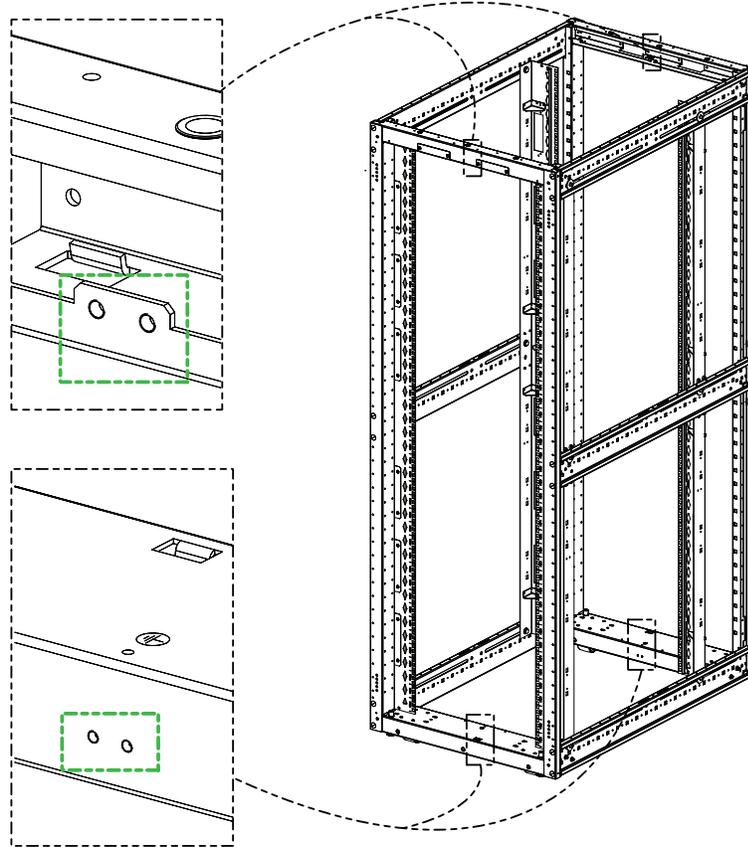
(2) Top Grounding Locations

Front and rear of cabinet
Remove masking tape



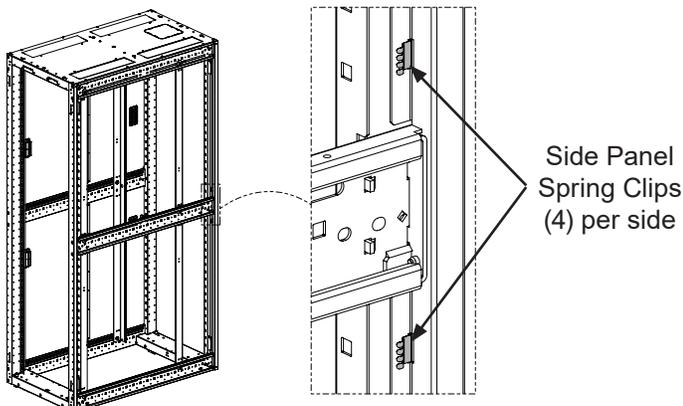
(2) Bottom Grounding Locations

Front and rear of cabinet
Remove masking tape



Integral Grounding

- Doors are grounded thru hinges - no grounding wires needed.
- Side panels are grounded thru spring clips - no grounding wires needed.



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WARNING

Falling Equipment Hazard

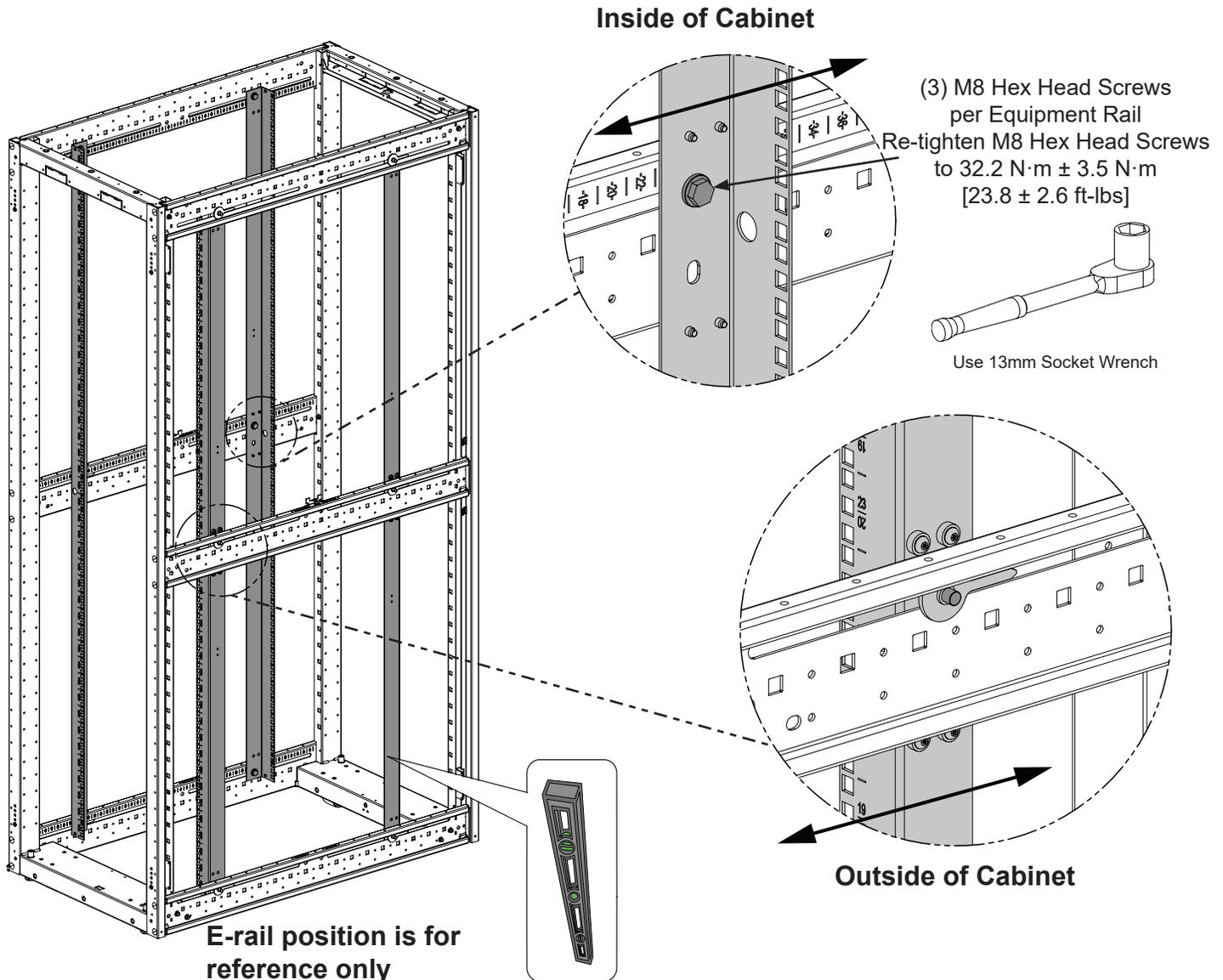
Remove all equipment installed onto equipment rails before performing any adjustments to equipment rail spacing.

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

Equipment Rail Spacing Adjustment - Standard Hardware type

- Loosen, but **DO NOT REMOVE** (3) M8 Hex Head Bolts at top, bottom, & center of each Equipment Rail
- Adjust Equipment Rail to desired position
- Use level to ensure the E-Rails remain level in thier new position
- Re-tighten M8 Hex Head Bolts to $32.2\text{N}\cdot\text{m} \pm 3.5\text{N}\cdot\text{m}$ [23.8 ± 2.6 ft-lbs]

600mm Wide Cabinet shown



Note:

Any enclosure/equipment more than 15lbs (6.8kg) per RU, or that extend more than 15" (380mm) behind the front rails must be four post mounted.

Top Cap

- **Brush Seals** – Left & right pass thru openings with brush seals
- **Optional knockout** – 165.1mm x 165.1mm [6.5" x 6.5"] opening to route power overhead
- Cut [8] tabs with wire cutter to open large cable openings – OPTIONAL
- PANDUIT COOLBOOT® products can be used to seal around optional knockouts to prevent hot air recirculation

Brush Seals

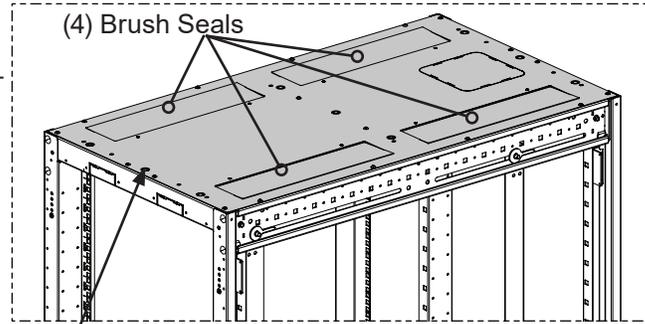
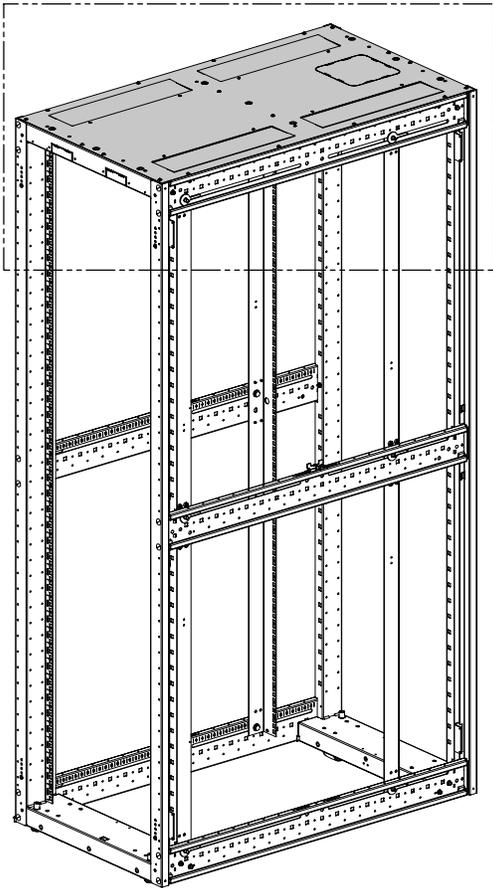
All cabinets regardless of width and length have (4) 91mm [3.6"] x 398mm [15.7"] openings.

Optional Knockout

600mm wide cabinets have [1] 165.1mm x 165.1mm [6.5" x 6.5"] opening

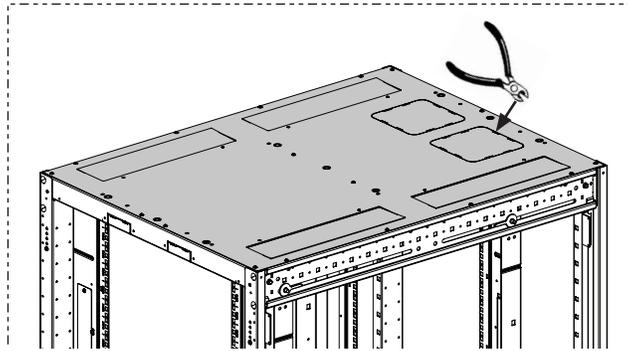
800mm wide cabinets have [2] 165.1mm x 165.1mm [6.5" x 6.5"] openings

600mm Wide Cabinet shown



(9) M10 Threaded holes

OPTIONAL
use wire cutters to remove
sheet metal blanks

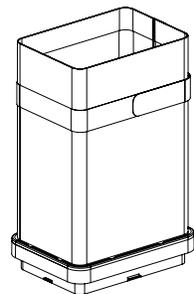


800mm Wide Cabinet shown

CTGN6X6

Sold Separately

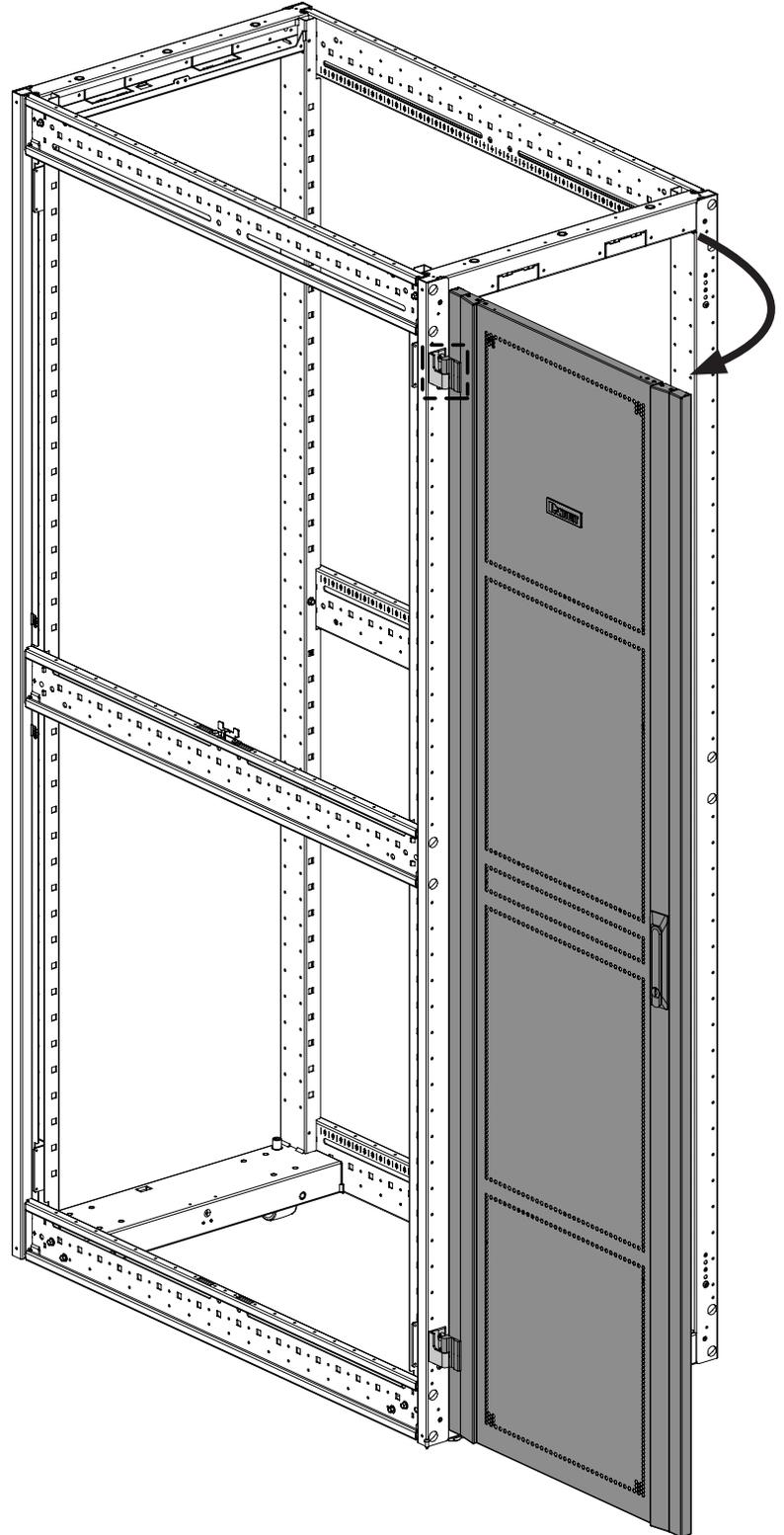
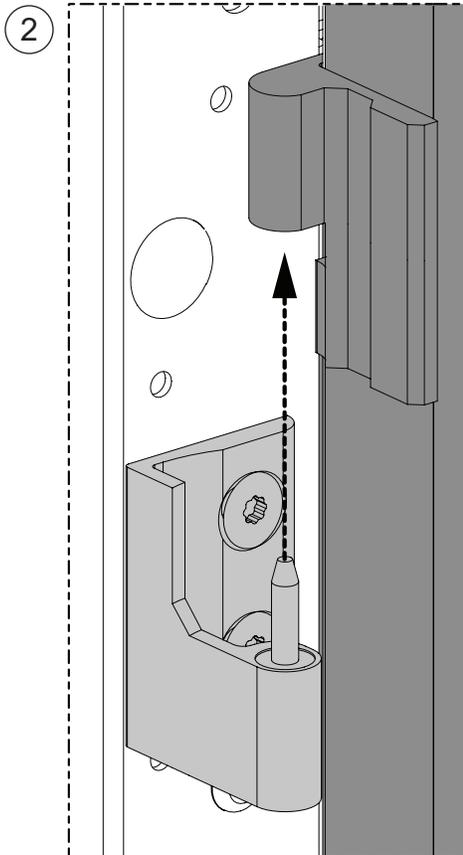
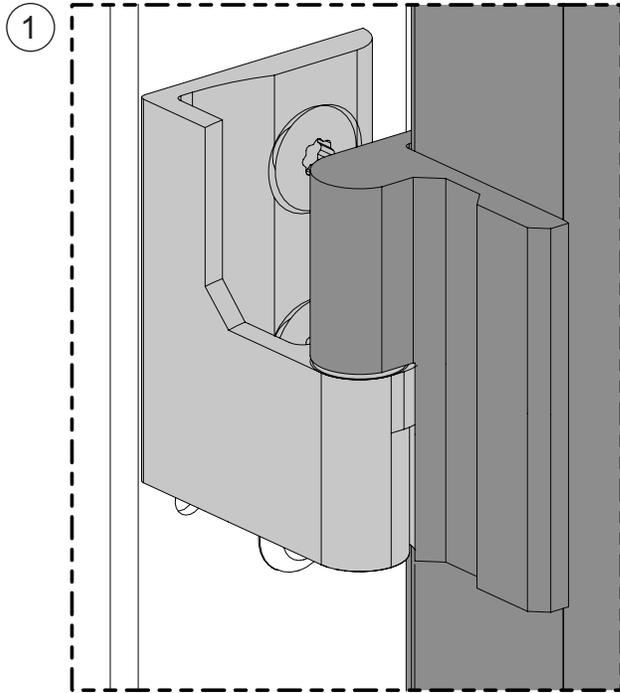
See Installation Instruction sheet
RW297 for more information



Single Hinge Door (Removal and Installation)

- Open Door to approximately 90°.
- Lift Door off of hinges and pull away from Cabinet frame.
- **Reverse Steps** to install Single Hinge Door.
- If you want to hinge from right side instead of left side order Right Hand Door Hinge Kit: XG-DHNGRH (Sold Separately)

Note: Align Top pins first.

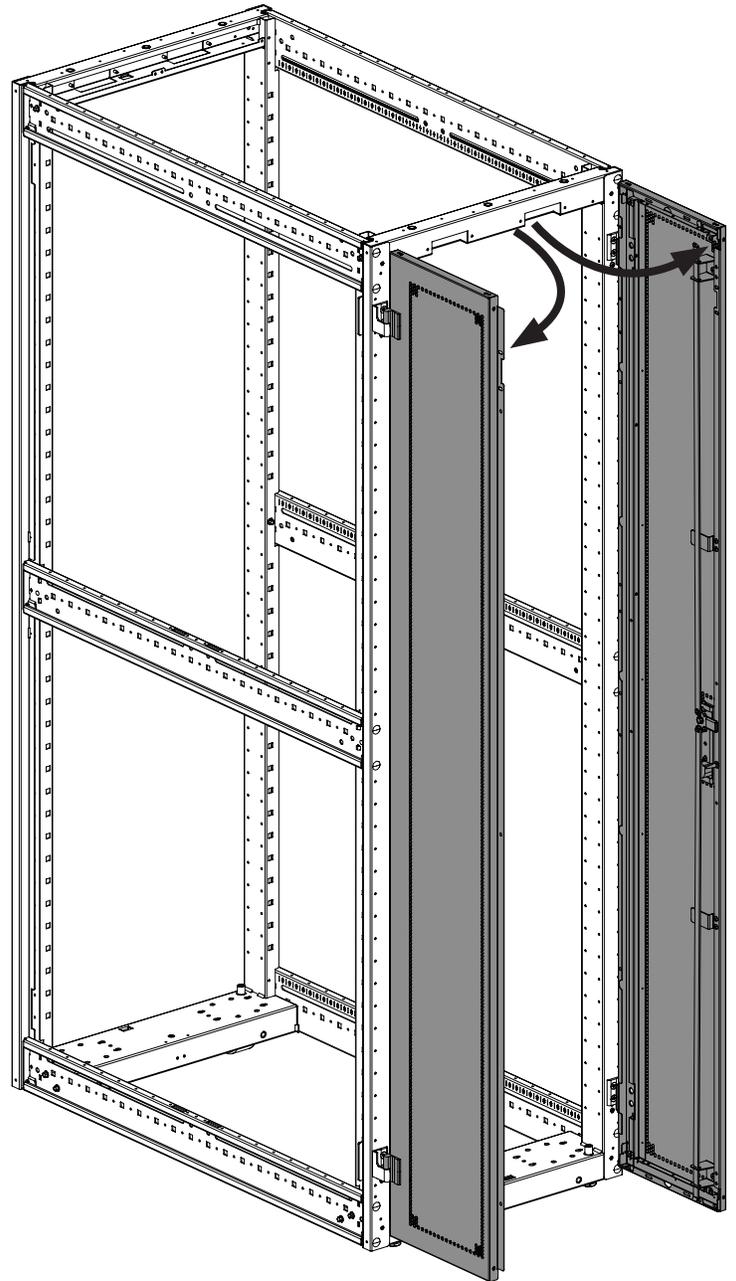
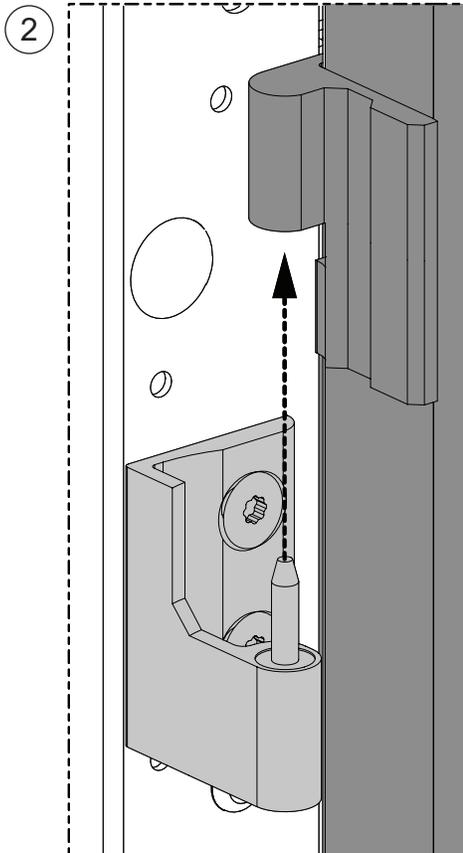
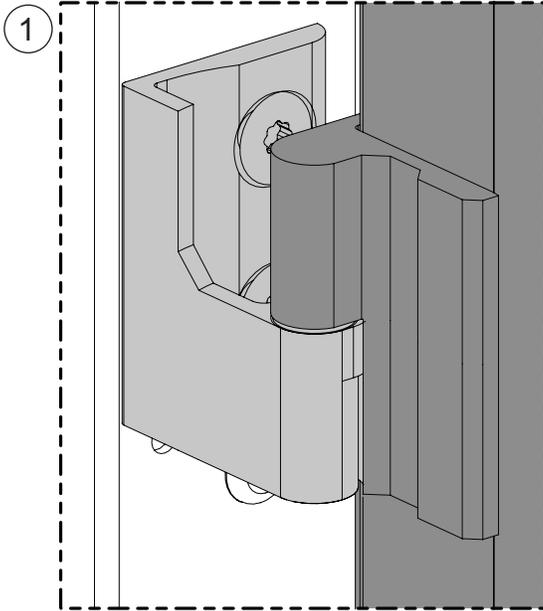


For Technical Support: www.panduit.com/resources/install_maintain.asp

Split Doors (Removal and Installation)

- Open Split Doors to approximately 90°.
- Lift Doors off of hinges and pull away from Cabinet frame.
- **Reverse Steps** to install Split Doors.

Note: Align Top pins first.

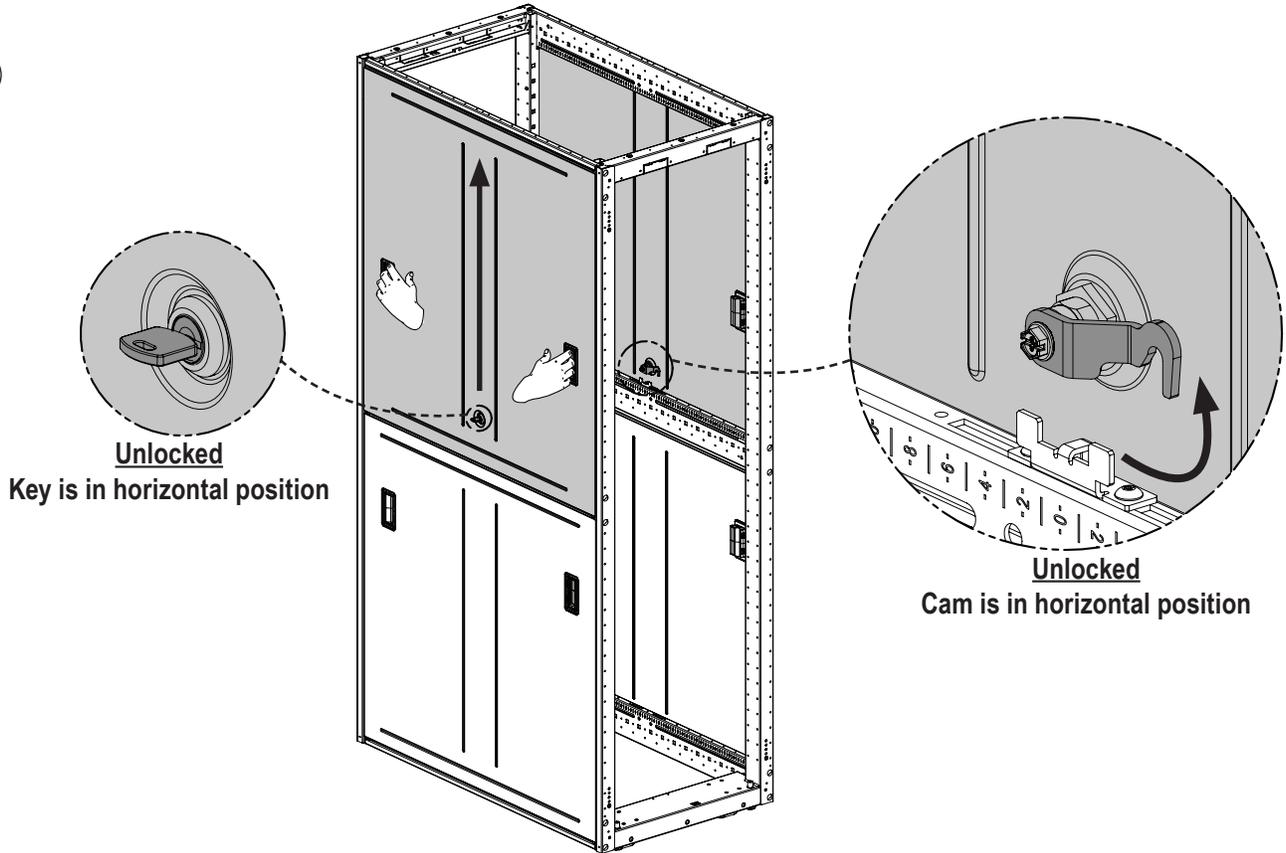


For Technical Support: www.panduit.com/resources/install_maintain.asp

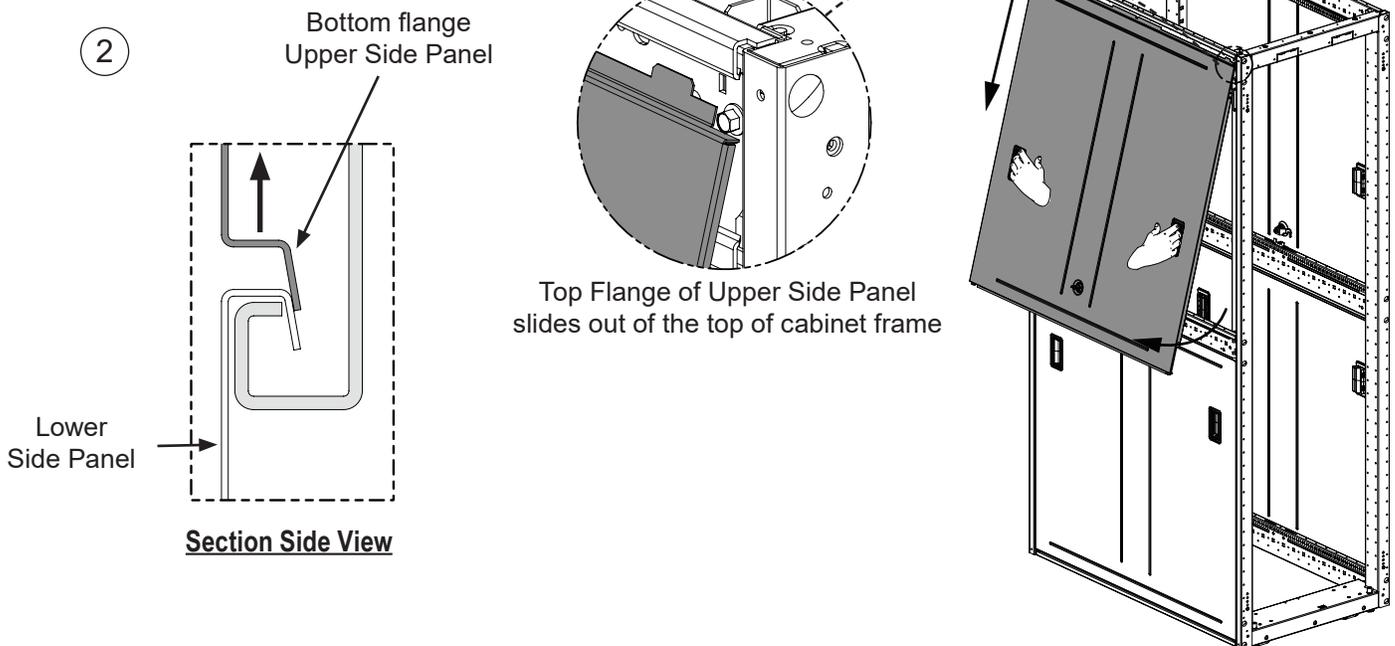
Side Panels Removal

- Upper Panel must be removed before removing Lower Panel.
- Unlock Upper Side Panel and lift **UP**.
- Swing the bottom of the Upper Side Panel out to release from cabinet.
- Remove Upper Panel

1



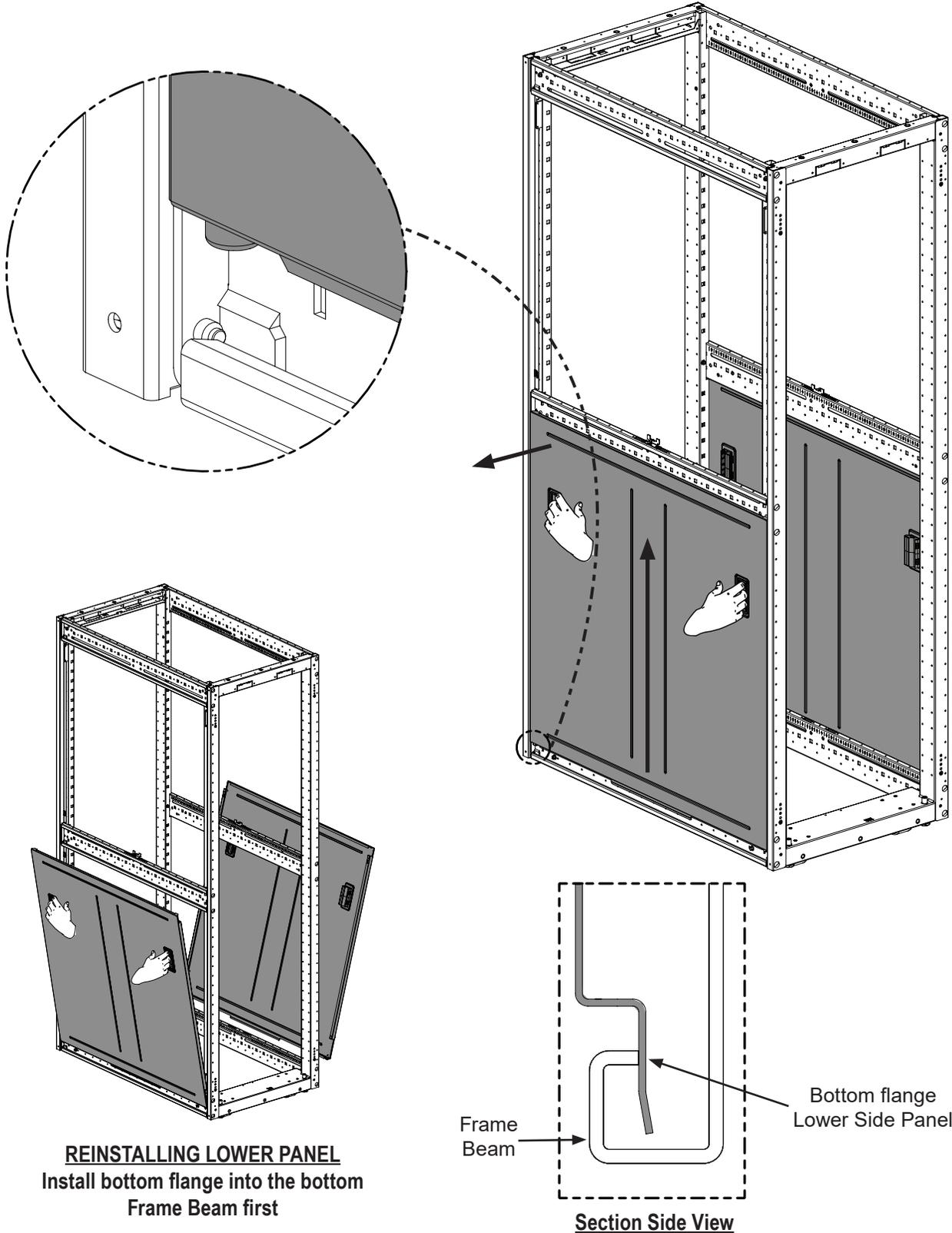
2



Side Panels (Removal and Installation)

- Lift up on the Lower Side Panel and pull away from cabinet using two handles.
- **Reverse Steps** to install Side Panels.

3

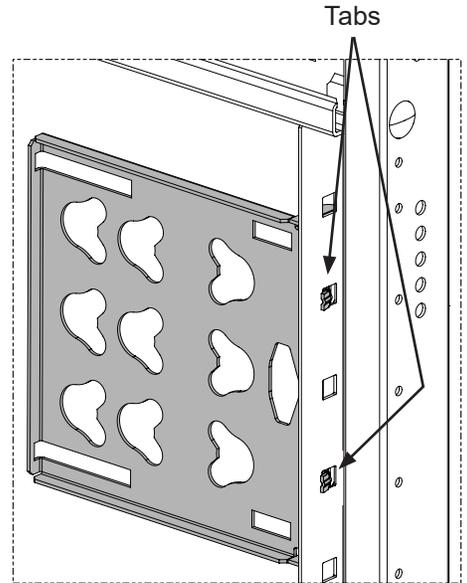
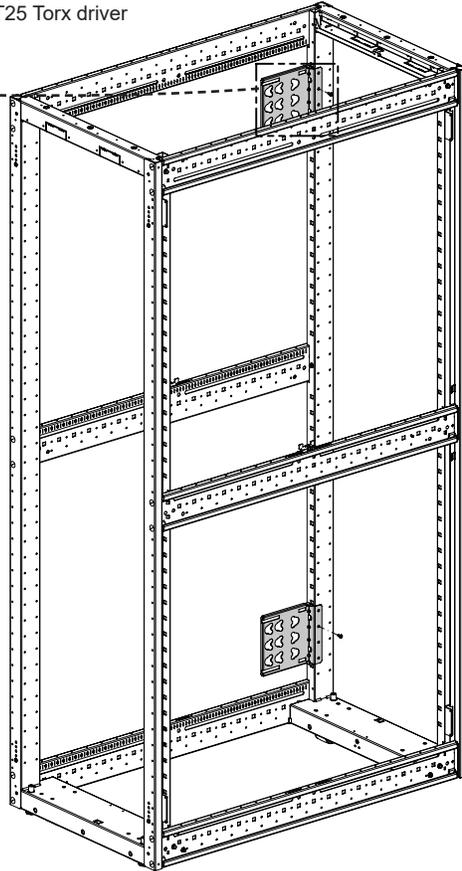
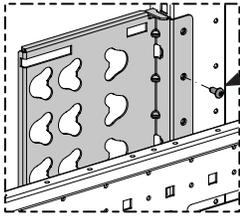


PDU Bracket Adjustment (Removal and Installation)

- PDU Brackets are height adjustable if PDU spacing other than factory position is desired.
- **Reverse Steps 1 through 3** when re-positioning PDU Brackets at desired positions.
- PDU brackets can be moved to the right side of the cabinet if desired

Maximum Applied Load PDU Brackets is 70 lbs

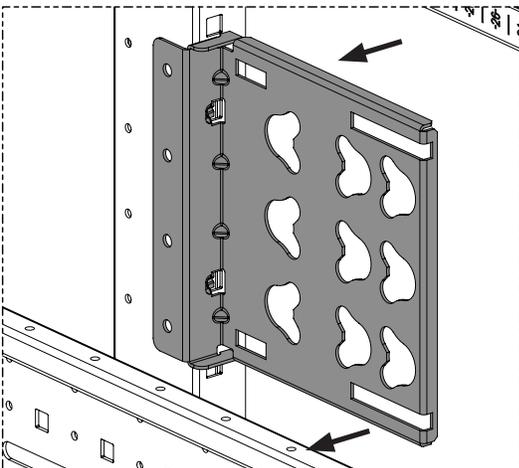
1 Remove (1) M5 screw



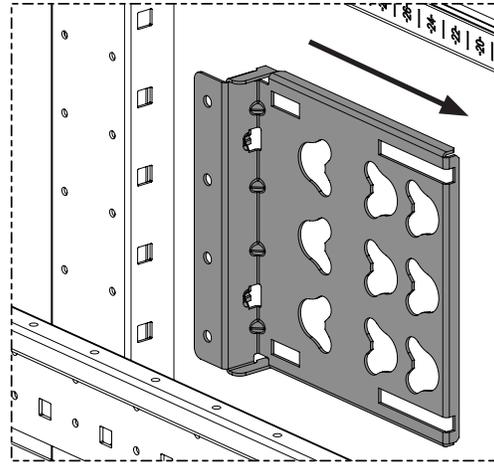
Backside View

PDU Bracket Tabs engage the cage nut holes on vertical post of cabinet frame

2 Slide PDU Bracket Tabs out from cabinet post



3 Remove PDU Bracket



For Instructions in Local Languages
and Technical Support:

www.panduit.com/resources/install_maintain.asp

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www.panduit.com

E-mail:
techsupport@panduit.com

Phone:
866-405-6654