

IDFLP6

List of Components:

- (1) Pair of Horizontal active E-rails
- (1) Pair of Passive E-rails
- (4) #12-24 screws
- (4) M5 thread forming bonding screws
- (2) Keys

MAXIMUM LOAD RATING.
IDFLP6 - 300 LB [136 kg]

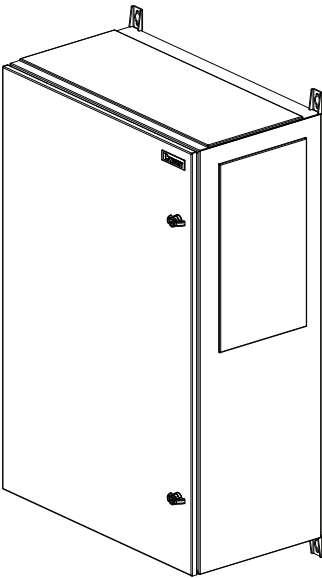


Figure 1

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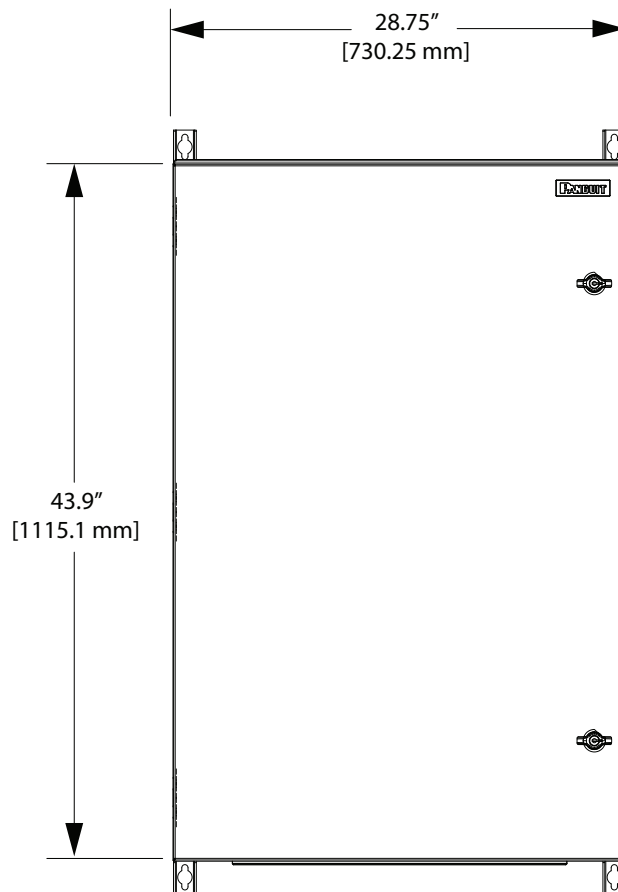
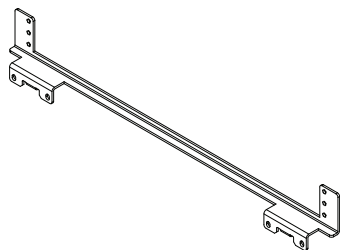


Figure 2

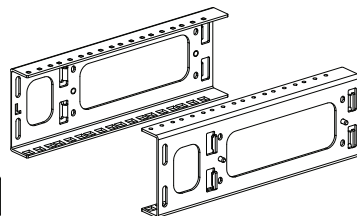
Tools and supplies needed to install enclosure (not included):

- Tools to cut enclosure sidewalls: Greenlee punch or similar
- External power disconnect
- Rigid conduit for power and copper downlink cables
- #6 AWG infrastructure ground cable: RGEJ660PF or similar
- Screw drivers: #2 Phillips
- 3/8" mounting hardware for wall mounting or frame mounting enclosure
- 3/8" socket or box wrench

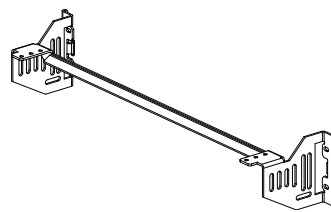
Optional Accessories See individual product instructions for installation details.



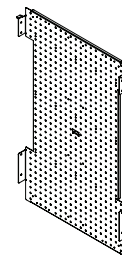
WME0UB
Zero RU Bracket



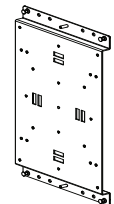
WME*ERAIL
Additional Active
Equipment Rails



WME*1RU
Bonus 1 RU Bracket



WMEBP
Back
Panel



WMEMB
Mounting
Bracket

Figure 3

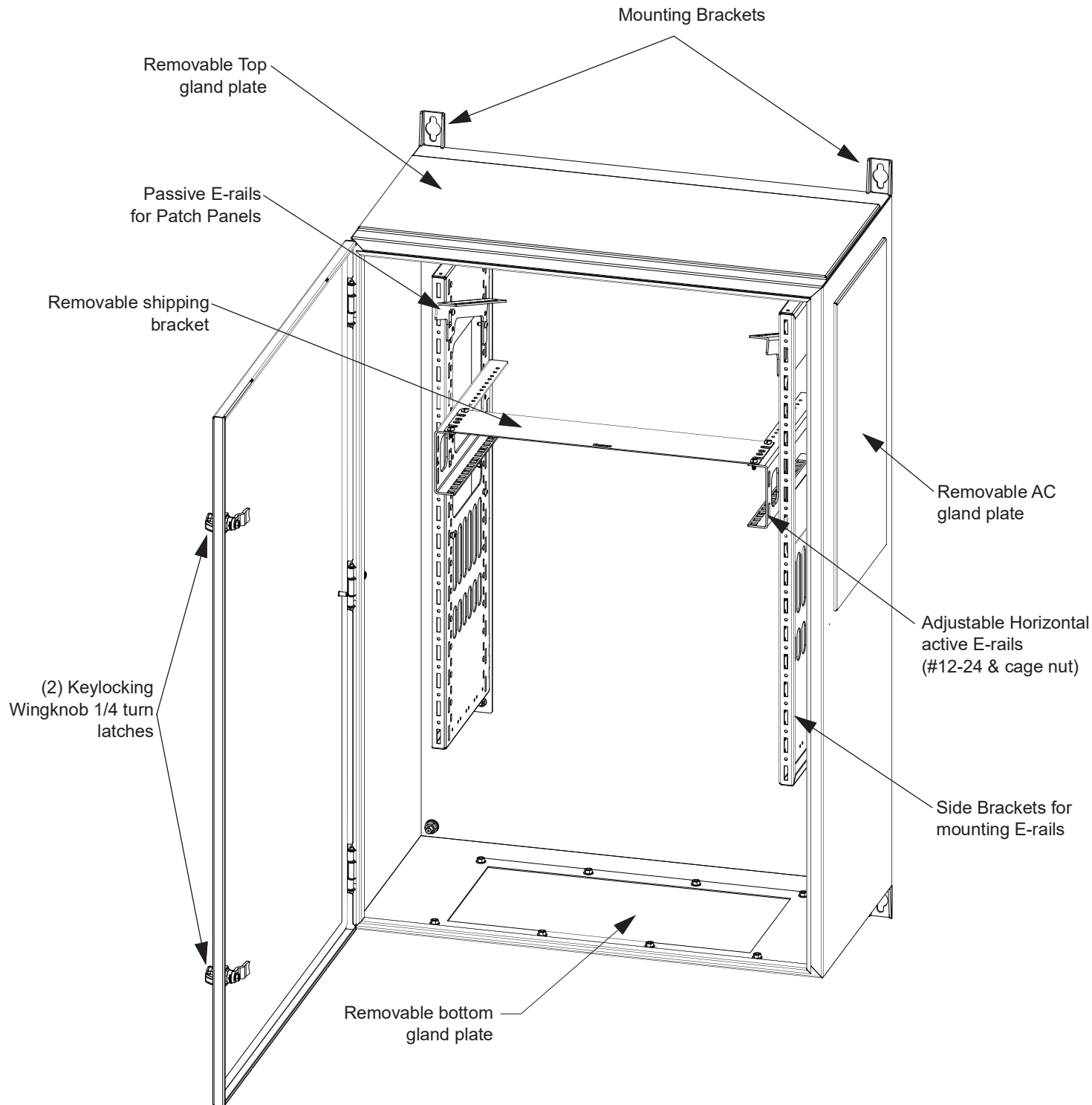


Figure 4

SAFETY INFORMATION

The information and instructions contained in this document are not intended to be utilized as a substitute for proper training and experience in the safe installation and operation of the product. Prior to installation, it is the Buyer's responsibility to consult with the appropriate local Authority Having Jurisdiction (AHJ) for all applicable codes, permits, regulations, and standards. This product, including any equipment that may be installed inside, should only be installed and serviced by a licensed electrical contractor, or competent technician, that meets the following qualifications:

- Is thoroughly familiar with this product and the instructions for installation and operation.
- Is trained (accredited) in industry-accepted safe operating practices and procedures regarding identification and mitigation of high- and low- voltage hazards and situations.
- Is trained to identify and install appropriately sized Branch Circuit Disconnect(s) with appropriately sized Branch-Circuit Protective Rating and Short-Circuit Current Rating (SCCR), before connecting *PANDUIT* product to the branch circuit.
- Is trained and authorized to energize, de-energize, clear, and ground power distribution equipment.
- Is trained in the care and use of PPE (personal protective equipment) including, but not limited to: arc-flash protective clothing, safety glasses, face shield, hard hat, gloves, and non-conductive tools (clamp stick, hot stick, etc.)

WARNING



Be sure the wall is capable of supporting the cabinet and equipment.

DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITIES

The practices contained herein are designed as a guide for use by persons having technical skill at their discretion and risk. *PANDUIT* does not guarantee any favorable results or assume any liability in connection with these instructions. Local, State, Federal, and Industry Codes and Regulations, as well as manufacturers' requirements, must be consulted before proceeding with any project. *PANDUIT* Corp. makes no representations of nor assumes any responsibility for the accuracy or completeness set forth herein. *PANDUIT* disclaims any liability arising from any information contained herein or for the absence of same.

Mounting Enclosure to Wall

1. Inspect desired mounting wall before installation.

-Wall shall be flat to prevent distortion of the enclosure when tightened to a wall. This could prevent the door from aligning properly. If wall is not flat, shims may be required.

-Wall structure shall have sufficient strength to support both vertical and horizontal loads.

-Wall surface shall extend beyond the back panel on every side.

Do not install the enclosure with the back panel extending beyond the edge of the wall.

2. *PANDUIT* recommends mounting the top of the enclosure at 6' from the floor.
3. Choose the appropriate mounting hardware for your wall type.
4. Drill holes for the hardware used in the locations shown based on the mounting method you prefer (without mounting brackets, with mounting brackets).
(See page 6 for mounting bracket installation.)
5. Fasten the enclosure to the wall using appropriate hardware.

Note:

Mounting brackets must be used to maintain UL compliance for the enclosure.

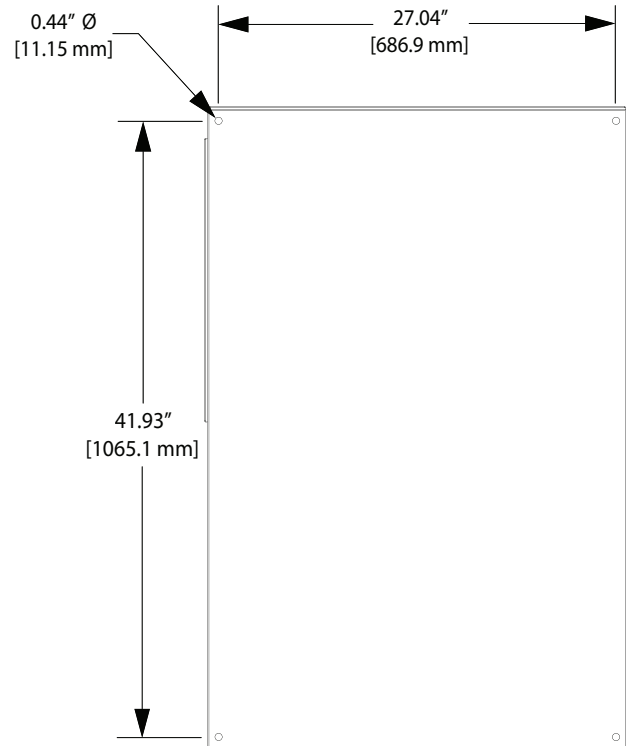


Figure 5: Wall mounting without mounting brackets

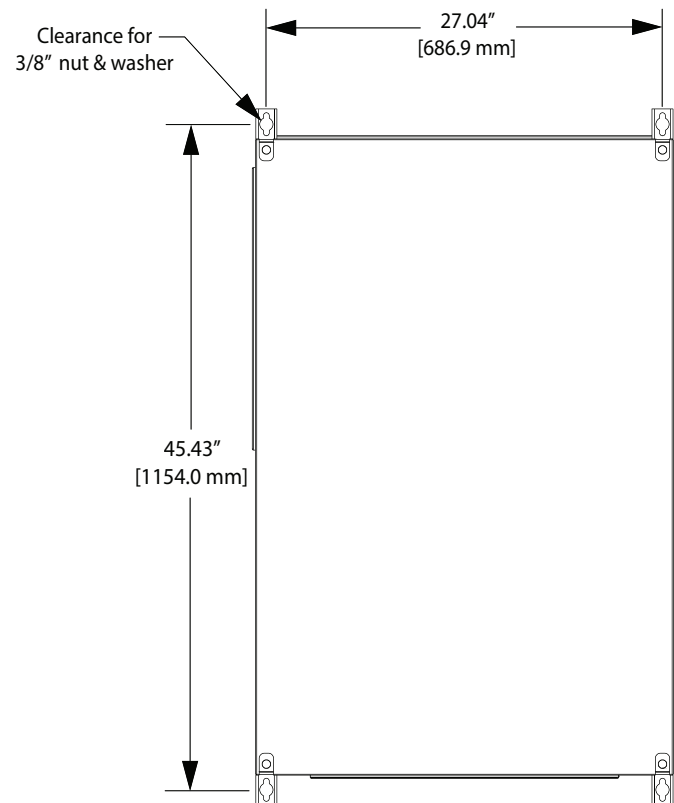


Figure 6: Wall mounting with mounting brackets

Wall Mount Bracket Installation

1. Turn enclosure on its side with the locks oriented toward the top. Using latches, turn both locks to open the door.
2. Remove the hardware bag from the enclosure & empty the contents.
3. Insert sealing washers onto threaded stud of the mounting brackets
4. Install mounting brackets with sealing washers into the back of the enclosure aligning threaded studs on the brackets to holes located on the back of the enclosure.
5. Insert the flat washers onto the threaded studs from the inside of the enclosure.
6. Thread nuts onto the threaded studs and tighten to 200 in-lbs.

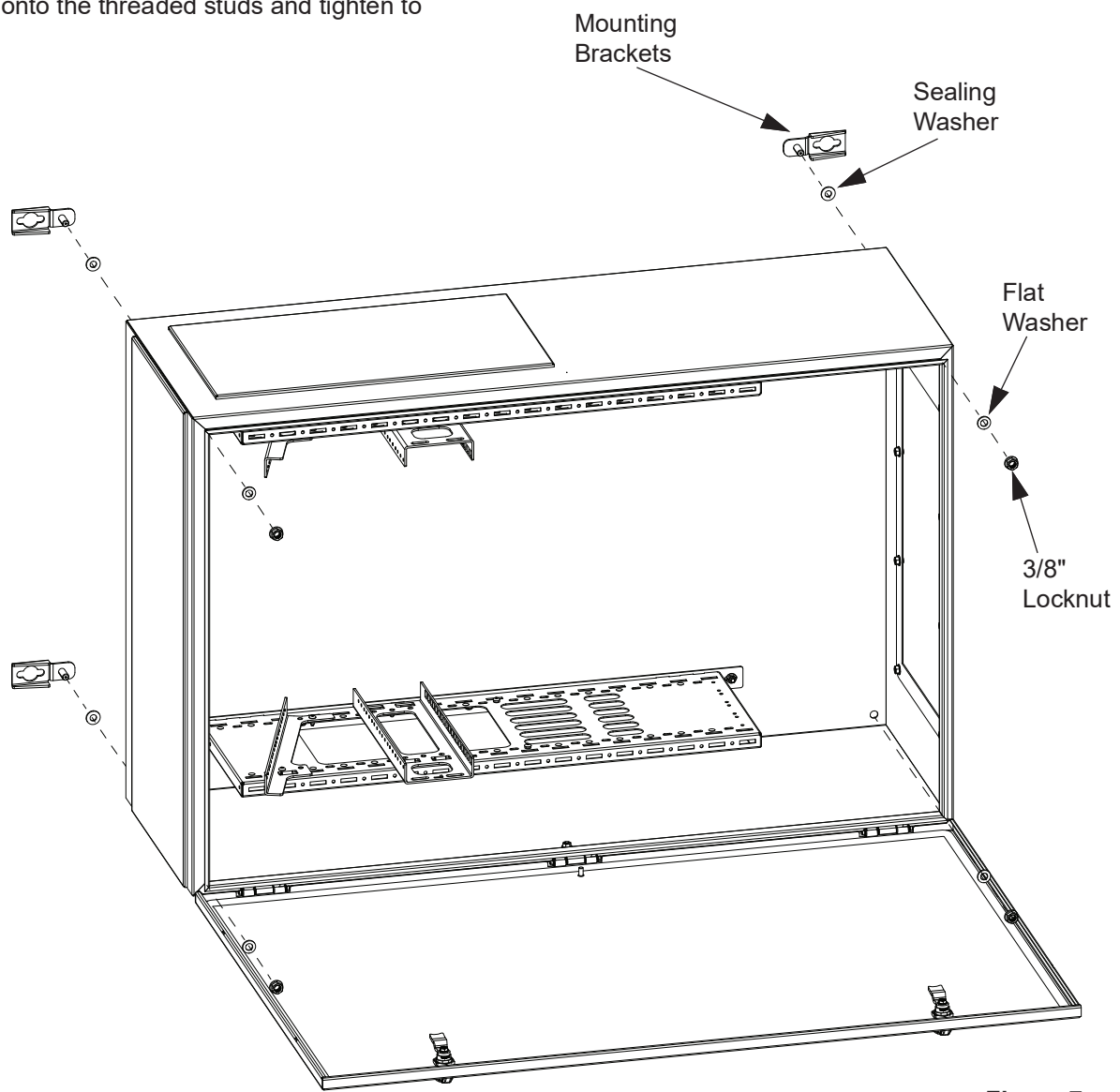


Figure 7

Reversing Door and Handle

1. Remove the ground wire from the enclosure body.
2. Starting on the bottom hinge, remove nuts, flat washers, and sealing washers from the door hinges. Remove the door hinges. See Figures 8-11.
3. Drill or punch out new hole locations using a #13 (.213) or 5.5mm drill bit. The locations are marked with a small indent on the opposite side of the enclosure. See Figure 9.
4. Turn door 180° (See Figures 9 & 11) and mount to the opposite side of the enclosure. Ensure sealing washers are between the hinges and the enclosure body. Apply silicone under the hinge and body. Starting at the top, reinstall hinges and screws on opposite side of the enclosure. Apply silicone under the flat washers. Torque door hinge nut to 35.4 ±5.0 in-lb (4.0 ±6 N-m).
5. Install screws, washers, and sealing washers provided in hardware bag in the original hinge locations. Torque nut to 35.4 ±5.0 in-lb (4.0 ±6 N-m).
6. Reattach the ground wire to the right-side of the enclosure body using the existing hardware.

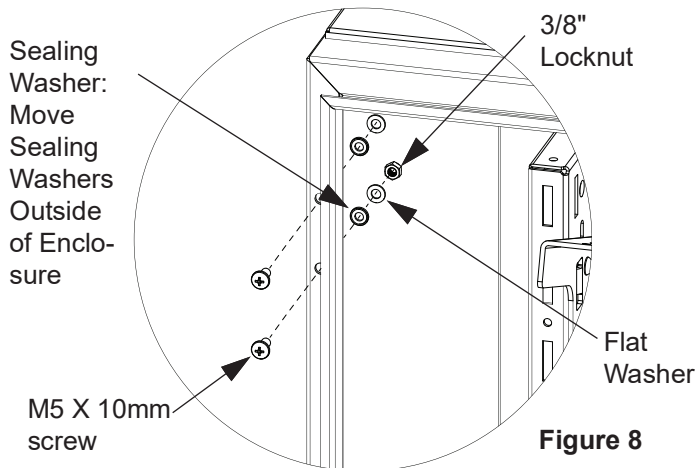


Figure 8

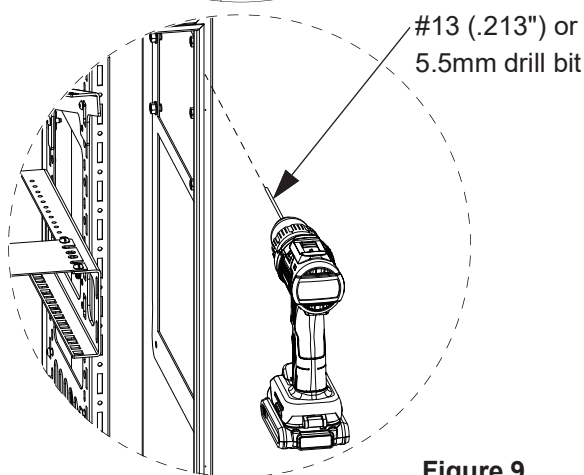


Figure 9

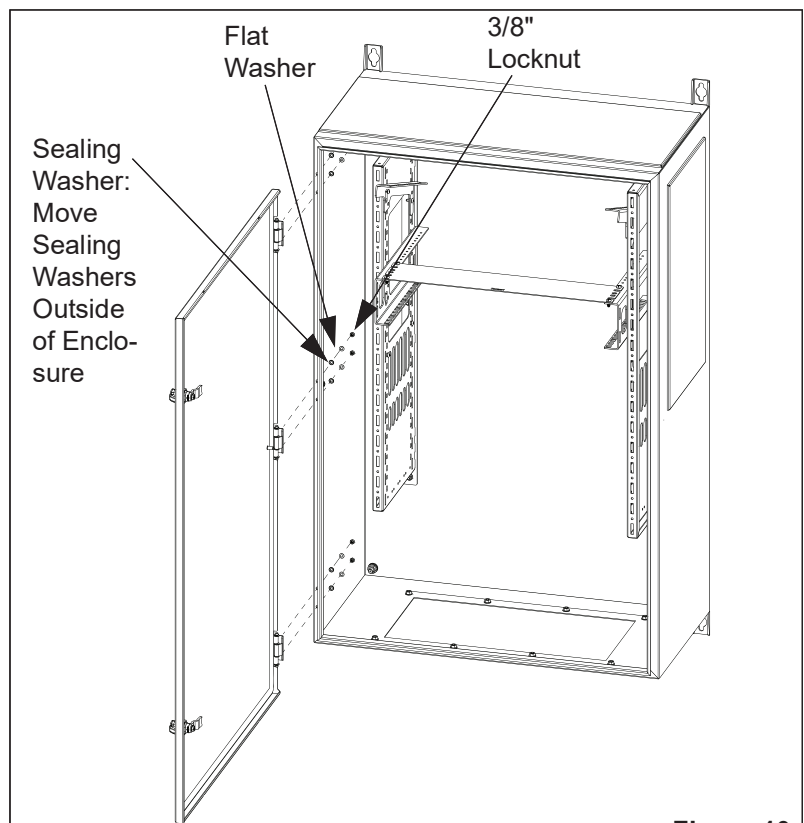


Figure 10

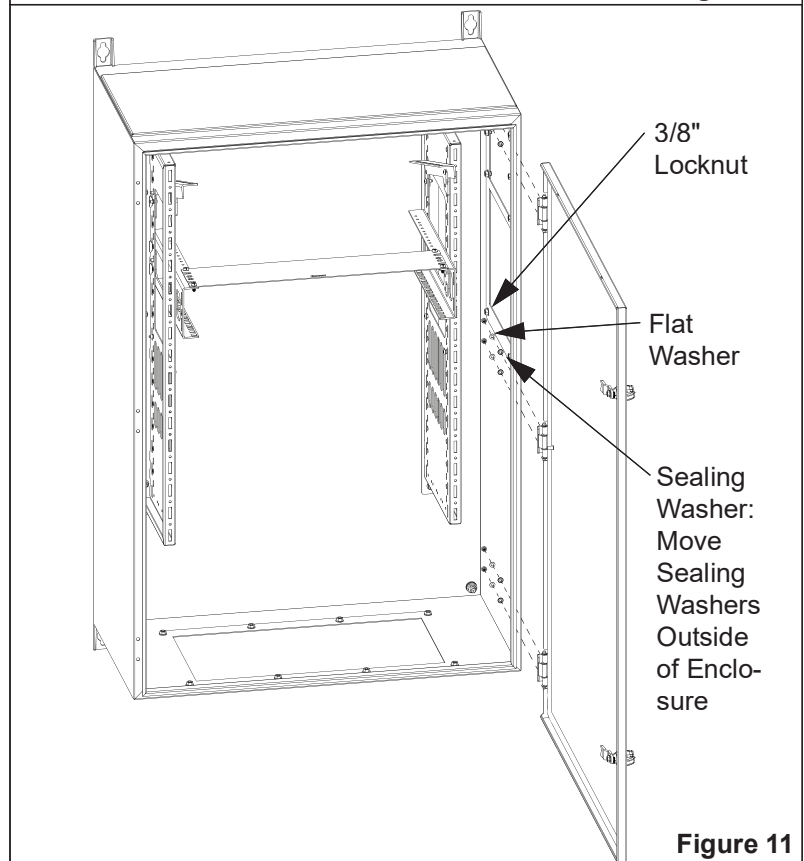
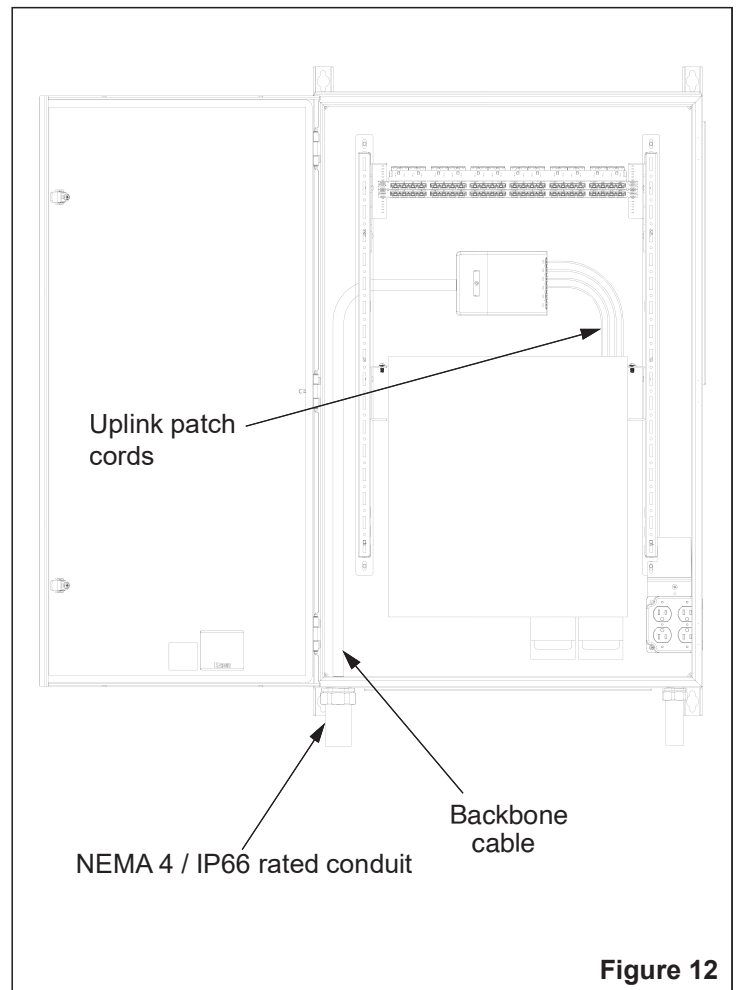


Figure 11

Termination of Backbone Cable (Demarcation)

1. Route cable to enclosure. *PANDUIT* recommends routing from the bottom of the enclosure.
2. Once cable is inside the enclosure, terminate the cable to the appropriate module (fiber or copper).
3. Place module(s) in a *MINI-COM* Six Position Multi-Media Surface Mount Box (*PANDUIT* Part No. CBXF6IW-AY, sold separately). Mount the box to the back wall of the enclosure using supplied adhesive tape. This box has an integrated fiber spool for fiber applications.
Alternatively, *PANDUIT* ZFLEX1 or FLEX-0RU-BR06 fiber cassette brackets may be used (sold separately). Attach with adhesive foam tape or self-drilling screws (not provided).



Switch configuration

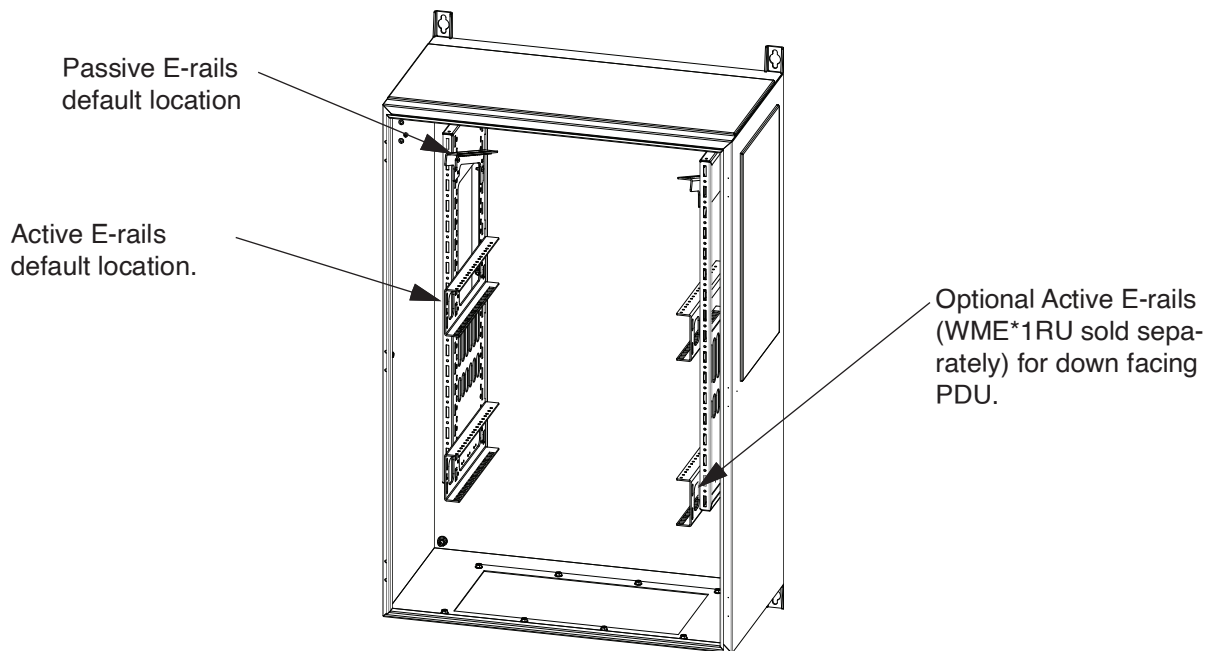


Figure 13

Horizontal Cabling and Patch Panel Installation

1. Ensure all RU brackets are secured with M5 bonding screws.
2. Route horizontal cable from work area to the enclosure by way of conduit.
 - a. Note that the cable entry needs to be UL Type 4/IP66 rated to match the enclosure.
 - b. *PANDUIT* recommends cable entry through the bottom of the enclosure.
 - c. Protect cables from sharp edges.
 - d. Be sure to allow enough slack to route and terminate cable for maximum cable capacity.
3. Install patch panels (suggested *PANDUIT* Part No. CPPL24WBL sold separately) to the Passive E-rails from the bottom side (See Figure 14).
4. Secure cables to back wall using supplied *TAK-TY* (See Figure 15).

Note: A horizontal bar is pre-installed in the front RU to maintain the correct rail spacing during installation of the active equipment (6RU & 9 RU) enclosures only. It is recommended to leave the bar attached while installing the first device.

Figure 14

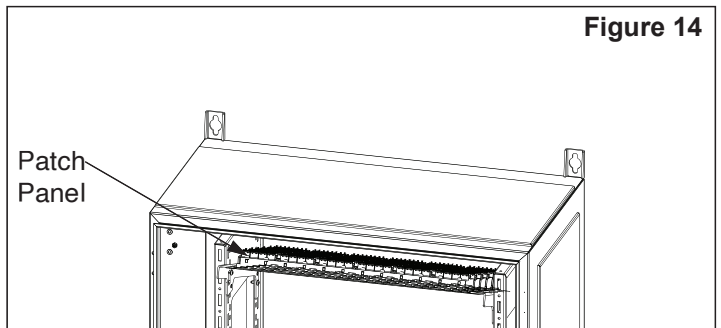
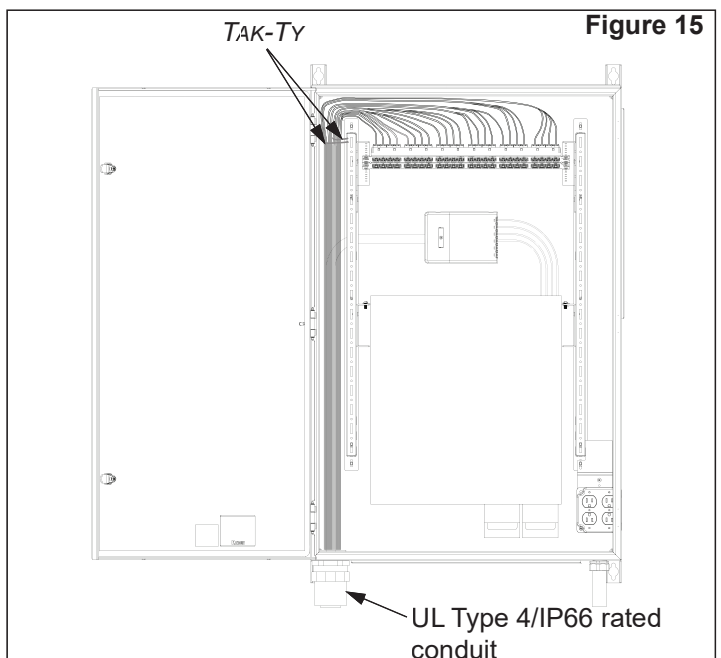
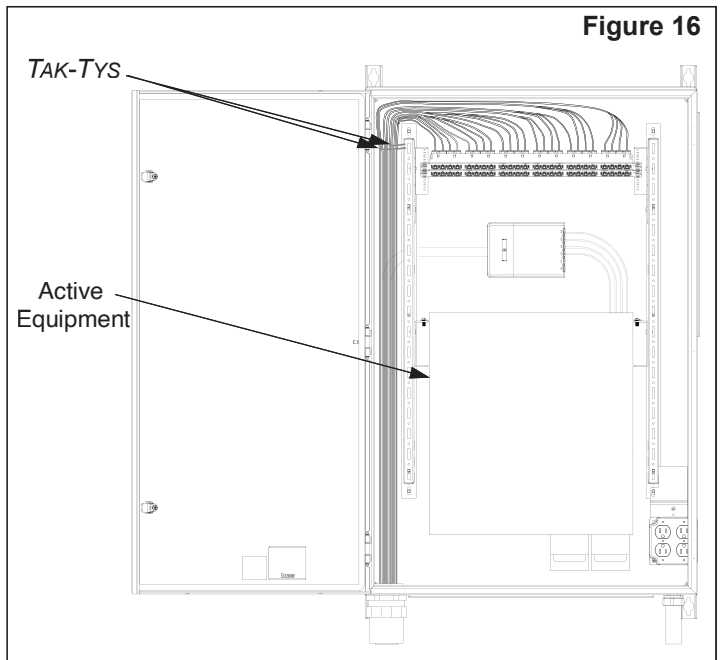


Figure 15



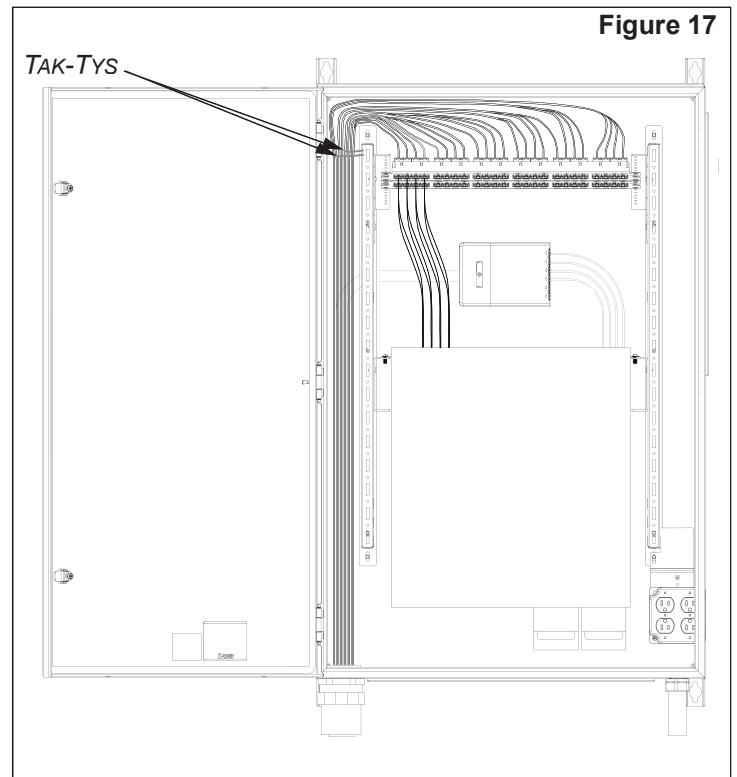
Active Equipment Installation

1. Insert *TAK-TYS* to both active equipment cable tie slots (See Figure 16).
2. For down-facing PDU mounting, add additional E-Rails (WME*1RU sold separately) in the lowest position on the side brackets. Install in the back most position on the E-Rails. Plug power into electrical box inside the enclosure.
3. Install active network equipment with ports facing up. Plug power cord into UPS if one is available or into electrical box inside the enclosure.
4. Connect active equipment uplink port to backbone demarcation port with a patch cord (sold separately).

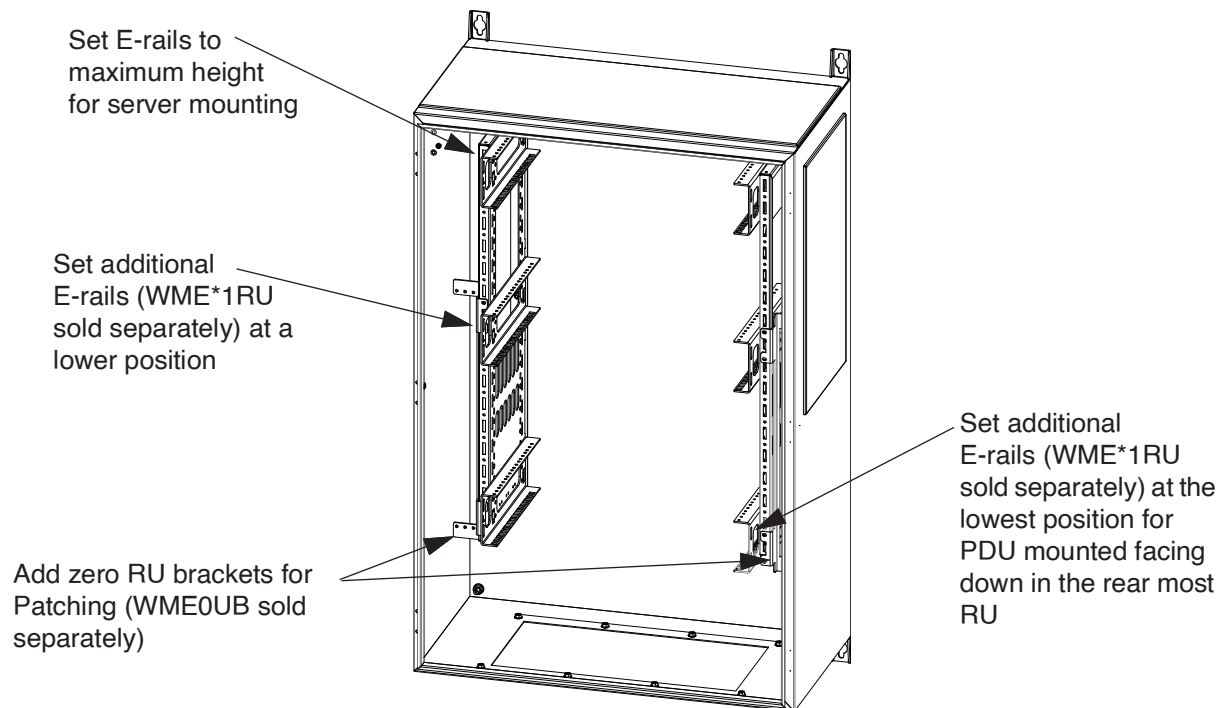


Patch Cord Installation

1. Connect horizontal cabling to active network equipment with patch cords (sold separately). *PANDUIT* recommends using 5 ft. patch cords.
2. Connect patch cords starting from the outside of the patch panel working your way towards the middle.
3. Route patch cords from the patch panel into the active equipment.
4. Once all the patch cords are installed, use the *TAK-TYS* located on the side of the side brackets to hold the patch cords in place. Add additional *TAK-Ty* where needed.



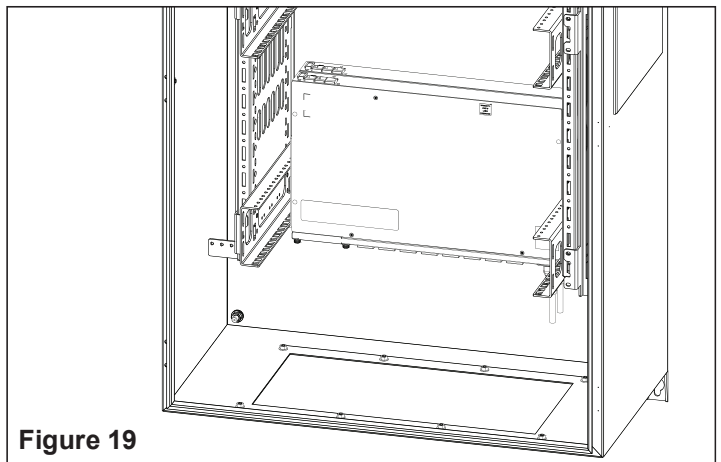
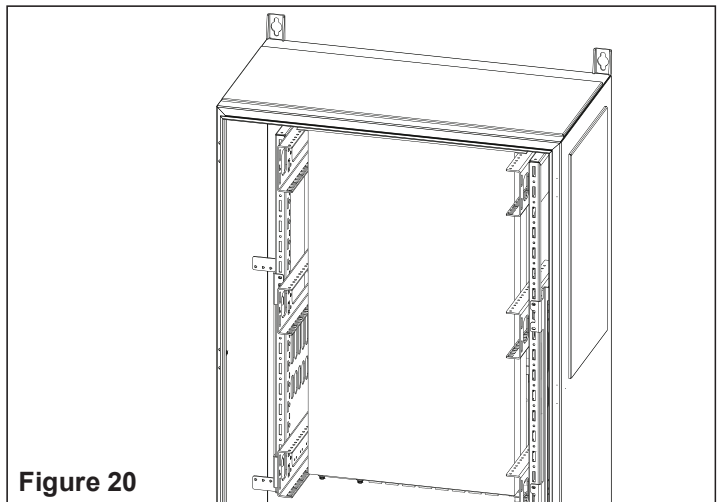
Server & Switch configuration

**Figure 18**

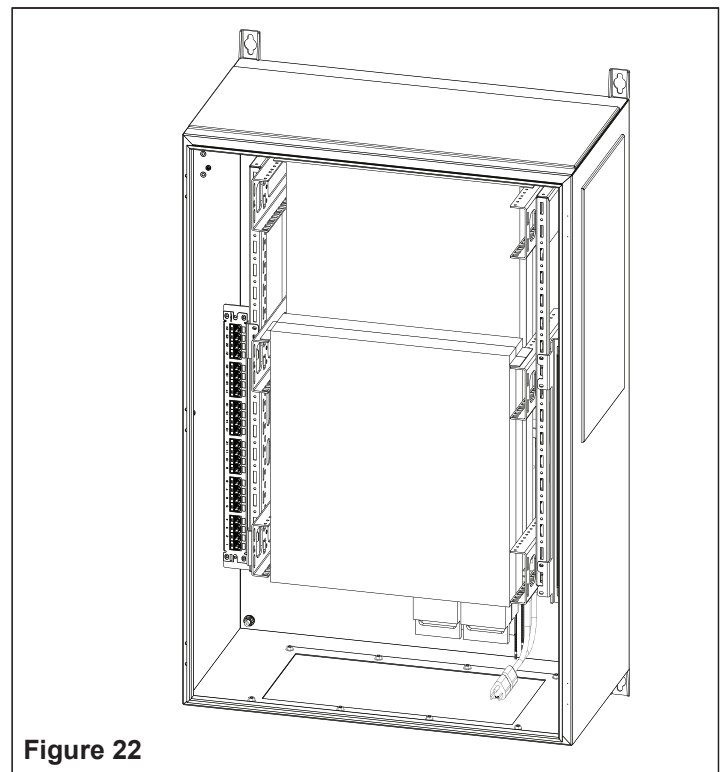
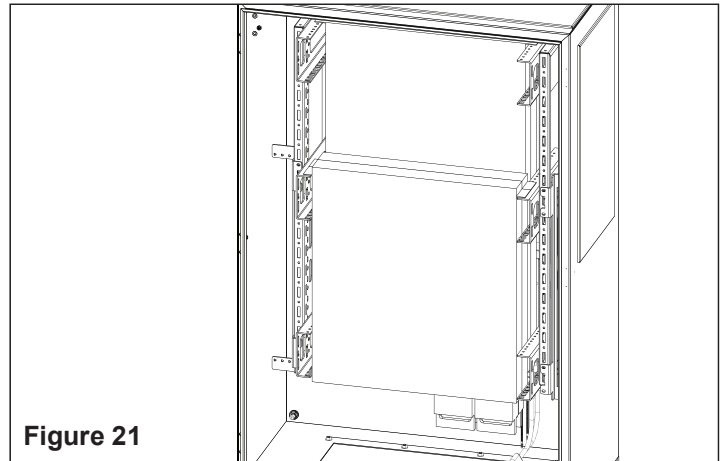
Equipment Installation

1. Ensure all RU brackets are secured with M5 bonding screws.
2. Mount PDU in the rear most RU on the lowest set of E-rails facing down.
3. Mount servers on the highest E-rails using the next available RU.

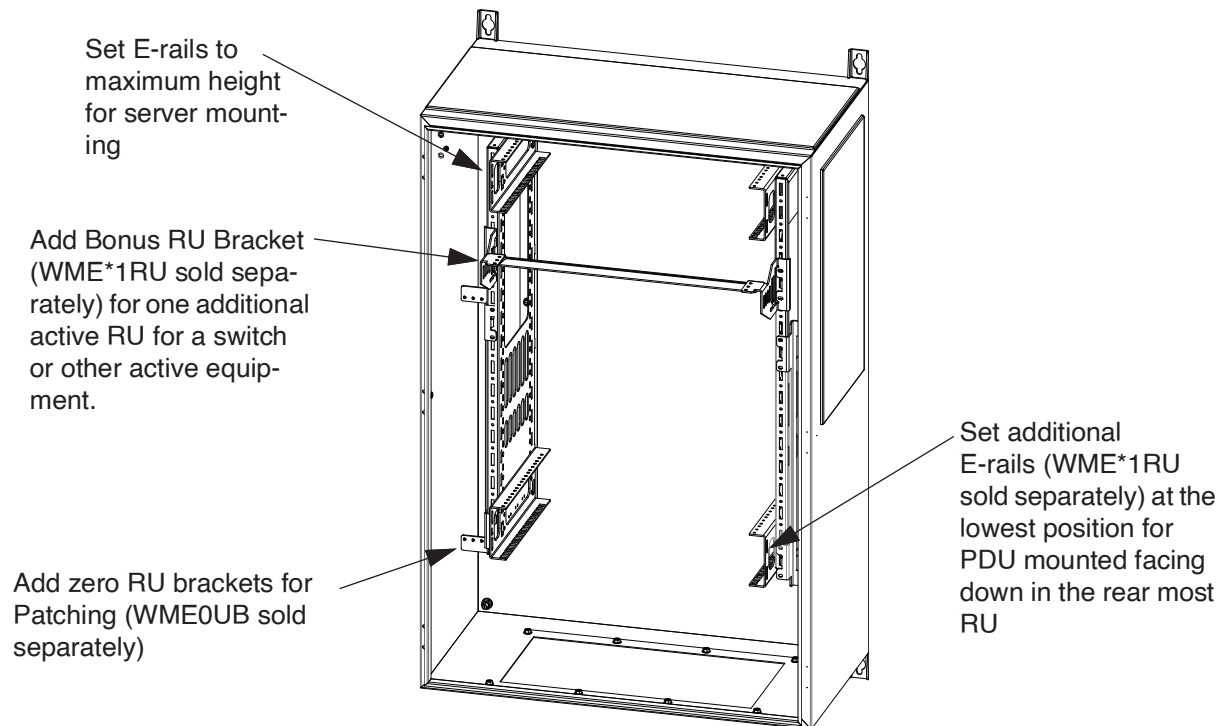
Note: A horizontal bar is pre-installed in the front RU to maintain the correct rail spacing during installation of the active equipment (6RU and 9RU enclosures only). It is recommended to leave the bar attached while installing the first device.

**Figure 19****Figure 20**

4. Mount Switch on the middle E-rails in the next available RU.
5. Mount patch panels to the zero RU brackets (WME0UB sold separately).
6. Connect patch cords starting from the outside of the patch panel working your way towards the middle.



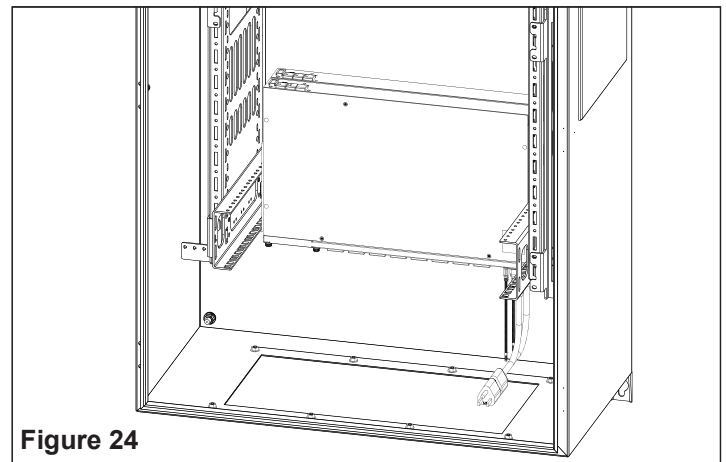
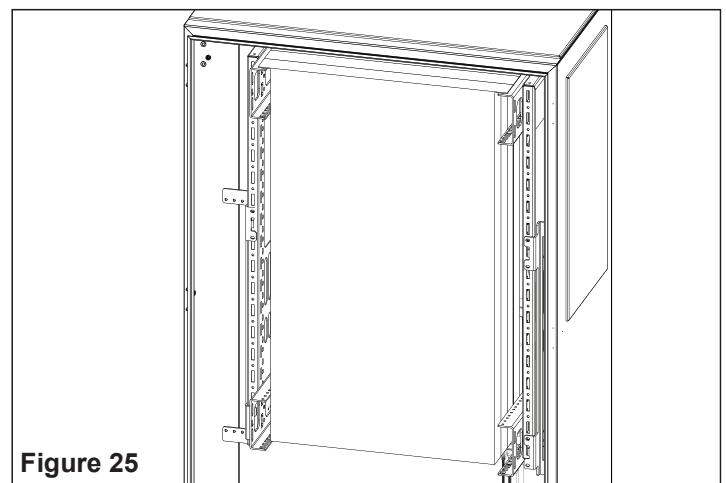
Max capacity server configuration

**Figure 23**

Equipment Installation

1. Ensure all RU Brackets are secured with M5 bonding screws.
2. Mount PDU in the rear most RU on the lowest set of E-rails facing down.
3. Mount servers on the highest E-rails using the next available RU.

Note: A horizontal bar is pre-installed in the front RU to maintain the correct rail spacing during installation of the active equipment (6RU and 9RU enclosures only). It is recommended to leave the bar attached while installing the first device.

**Figure 24****Figure 25**

4. Mount Bonus RU Bracket (WME*1RU sold separately) to the front of the Side Brackets. Secure with M5 Bonding screws.
5. Mount Switch on the Bonus RU Bracket.
6. Mount patch panels to the zero RU brackets (WME0UB sold separately).
7. Connect patch cords starting from the outside of the patch panel working your way towards the middle.

