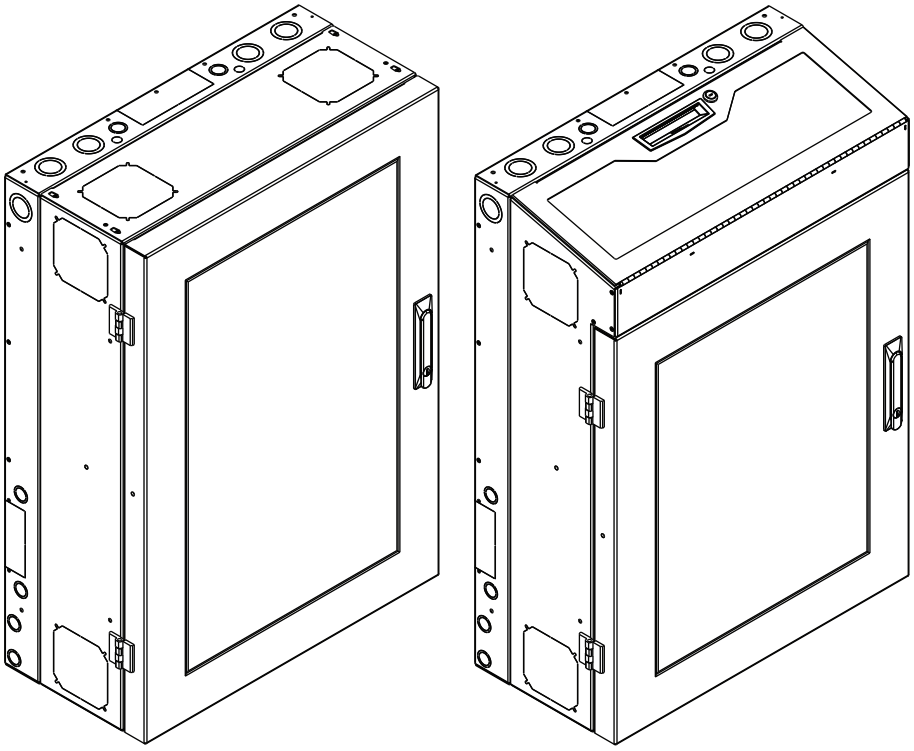
Instruction Sheet

VWM SERIES

Vertical Wall Mount Rack



THANK YOU

Thank you for purchasing the VWM Series.
Please read these instructions thoroughly before installing or assembling this product.

PRODUCT FEATURES

- Flexible and configurable vertical wall mount solution to accommodate a wide variety of applications.
- Two backpan sizes with multiple rail mounting locations, and rail bracket options allow customers to choose their mounting depth and rail type (10-32 or cagenut).
- Deeper overall depth helps future-proof your equipment space needs while leaving room for cabling.
- Full and split door options available.
- The enclosure also facilitates cable management and device mounting utilizing the patented Lever Lock™ system.
- Backpan is compatible with Forward tool-free accessories.

MIDDLE ATLANTIC®
A brand of legrand®

I-00796 Rev D

TABLE OF CONTENTS

Important Safety Instructions....3 - 4
Weight Ratings....4
Specifications....4
Supplied Components and Hardware....5
Required Tools....5
Introduction....6
Mounting the Backpan....7
Removing a Door Configuration (If Applicable)....8-11
Removing Extenders From the Backpan (If Applicable)....12-13
Repositioning Rackrails on the Fixed Position Mounting Rail Brackets....13
Rotating Pivot Bracket Rackrails From 10-32 to Cagenut (If Desired)....14
Relocating Fixed Position Mounting Rail or Pivot Brackets on the Backpan....14
Relocating the Lever Lock™ Backpan....15-16
Using the Pivot Mounting Rail Brackets....17
Grounding and Bonding....18
Connecting 4” Fan Options to Bonding Points....18
Venting the Enclosure For a Full Door Configuration....19
Venting the Enclosure For a Split Door Configuration....20
Installing the Power Mounting Bracket....21-22
Cable Management....23
Warranty....24

IMPORTANT SAFETY INSTRUCTIONS - EN

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Clean only with dry cloth.
- Only use attachments/accessories specified by the manufacturer.



DANGER HAZARDOUS VOLTAGE: The lightning flash with the arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



WARNING: A warning alerts you to a situation that could result in serious personal injury or death.



CAUTION: A caution alerts you to a situation that may result in minor personal injury or damage to the product and/or property.

NOTE: A note is used to highlight procedures pertaining to the installation, operation, or maintenance of the product.



WARNING: Failure to read, understand and follow the following information can result in serious personal injury, damage to the equipment or voiding of the warranty.



CAUTION: All installation and assembly steps must be performed by qualified personnel.



CAUTION: Ensure that the wall has a structural load capacity that will support the weight of the cabinet fully loaded with equipment.



CAUTION: Individual components mounted inside of the wall mount rack must have their own fire enclosure.



CAUTION: The following parts are not effectively bonded to the protective earth terminal: Rack rails, lace bars, Lever Lock™, shelves, baffle, blanking panels, fans, and cable management. If any part needs to be bonded to the protective earth terminal it shall be done in accordance with Article 250 of the National Electrical Code.



CAUTION: To reduce the risk of personal injury and conform to the UL listing, the system must be grounded and bonded in accordance with Article 250 of the National Electrical Code.



CAUTION: Power cord, for fans or other accessories, need to be secured to ensure that they are routed away from pinch points and moving parts.



CAUTION: Do not attempt to unload or move the enclosures alone. Make sure to have sufficient amount of personnel and equipment to safely move this product.



CAUTION: To reduce the risk of personal injury, these mounting instructions must be followed and proper weight capacities must be observed.



CAUTION: Individual components mounted inside of the wall mount rack must have their own fire enclosure.

INSTRUCTIONS IMPORTANTES SUR LA SÉCURITÉ - FR

- Lire ces instructions.
- Conservez ces instructions.
- Respectez tous les avertissements.
- Suivez toutes les instructions.
- Nettoyer uniquement avec un chiffon sec.
- N'utilisez que des accessoires spécifiés par le fabricant.



DANGER TENSION DANGEREUSE: Le symbole de la pointe de flèche, dans un triangle équilatéral, est destiné à alerter l'utilisateur sur la présence de tension dangereuse non isolée dans l'enceinte du produit qui peut être d'une ampleur suffisante pour constituer un risque d'électrocution.



AVERTISSEMENT: Un avertissement vous avertit d'une situation pouvant entraîner des blessures graves ou la mort.



ATTENTION: Une attention vous avertit d'une situation pouvant entraîner des blessures mineures ou des dommages au produit et/ou à la

REMARQUE: Une remarque est utilisée pour mettre en évidence les procédures relatives à l'installation, au fonctionnement ou à l'entretien du produit.



AVERTISSEMENT: Ne pas lire, comprendre et suivre les informations suivantes peut entraîner des blessures graves, des dommages à l'équipement ou de la nullité de la garantie.



ATTENTION: Toutes installation et de montage étapes doivent être effectuées par du personnel qualifié.



ATTENTION: Veiller à ce que le mur a une capacité de charge structurelle qui supporter le poids de le cabinet entièrement chargé avec l'équipement.



ATTENTION: Les composants individuels montés à l'intérieur du rack doivent avoir leur propre.



ATTENTION: Les pièces suivantes ne sont pas correctement liés à la borne de terre de protection: rails de rack, des bars de dentelle, Lever Lock™, des étagères, des chicanes, des panneaux d'obturation, des fans, et la gestion des câbles. Si une partie doit être lié à la borne de terre de protection, il doit être fait conformément à l'article 250 du Code national de l'électricité.



ATTENTION: Pour réduire le risque de blessure et se conformer à la liste UL, le système doit être mis à la terre et collé conformément à l'article 250 du Code national de l'électricité.



ATTENTION: Le cordon d'alimentation, pour les fans ou autres accessoires, doivent être fixé à veiller à ce que ils sont acheminés loin des points de pincement et des pièces mobiles.



ATTENTION: Ne essayez pas de décharger ou déplacer les enceintes seul. Assurez-vous d'avoir quantité suffisante de personnel et de matériel pour déplacer ce produit en toute sécurité.



ATTENTION: Pour réduire le risque de blessures, ces instructions de montage doivent être respectées et les capacités de poids appropriées doivent être respectées.



ATTENTION: Les composants individuels montés à l'intérieur de montage mural doivent avoir leur propre armoire à incendie.

WEIGHT RATINGS

Model	Weight Rating
VWM	150 lbs. (68 kg) Maximum Total Rated Load
Pivoting Mounting Rail Bracket Option	20 lbs. (9 kg) Maximum Total Rated Load
Full Door Option	30 lbs. (13.6 kg) Maximum Total Rated Load

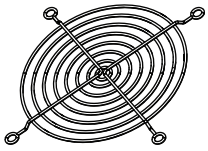
SPECIFICATIONS

Heights: 36” (914.4 mm) and 42” (1066.8 mm)
Widths: 25” (635 mm)
Depths: 10” (254 mm) and 16“ (406.4 mm) (2, 4, 6, 8, RU with Fixed Position Mounting Rail Bracket; 2 and 4 RU with Pivot Mounting Rail Bracket)

- Enclosure is intended for use in ambient temperatures of 32°F (0°C) to 140°F (60°C).

SUPPLIED COMPONENTS AND HARDWARE

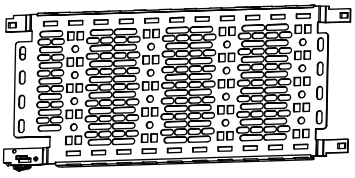
If any pieces are missing or damaged, please report it immediately to Technical Support at av.support@legrand.com or (866) 977-3901.



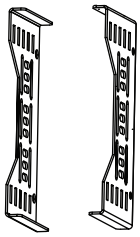
(4x)
Vent Guard
A



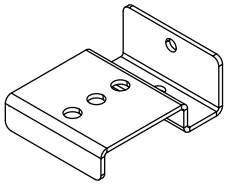
(16x)
6-32
Flange Nut
B



Backpan
Lever Lock™ Plate*
(LL-VP176-SWP)
C



Backpan
Lever Lock
Brackets*
D



(2x)
Power
Mounting Bracket
E



(2x)
10-32
Flange Nut
F



(2x)
10-32 x 3/8”
Thread Forming Screw
G



(5x)
6-32 x 5/16”
Phil. Bonding Screw*
H



(2x)
Lever Lock
Securing Rivet*
K



(20x)
Lever Lock
Plate Washer*
L

* Not included in pre-configured models.



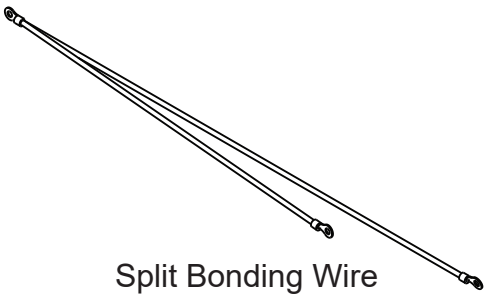
(16x)
6-32 x 3/8”
Phil. Screw
M

NOTE:
- To order more hardware, contact support at av.support@legrand.com or (866) 977-3901.
- Additional hardware is included that may not be required for your installation.

OPTIONAL PROTECTIVE EARTH TERMINAL COMPONENTS (FOR USE WITH 4” AC FAN OPTIONS, MODEL NO. PET-K-VWM-FAN)



10-32 Locking Nut
N



Split Bonding Wire
P



(2x)
M4 x 8MM Phil. Head
Combo Screw
R

REQUIRED TOOLS

- #2 Phillips Screwdriver
- 5/16” Socket Wrench
- ⅜” Socket Wrench
- 10mm Socket Wrench
- Hammer
- Level

WARNING: Use tools with caution and follow all necessary safety protocols.
AVERTISSEMENT: Utiliser des outils avec prudence et suivre tous les protocoles de sécurité nécessaires.

INTRODUCTION

NOTE: The pre-configured enclosures shown in this instruction sheet includes several components, such as doors and brackets, which may or may not be a part of your configuration. Topics show how to remove or reposition many of these items and separate instruction sheets provide even more detail.

General VWM Series Installation Procedure

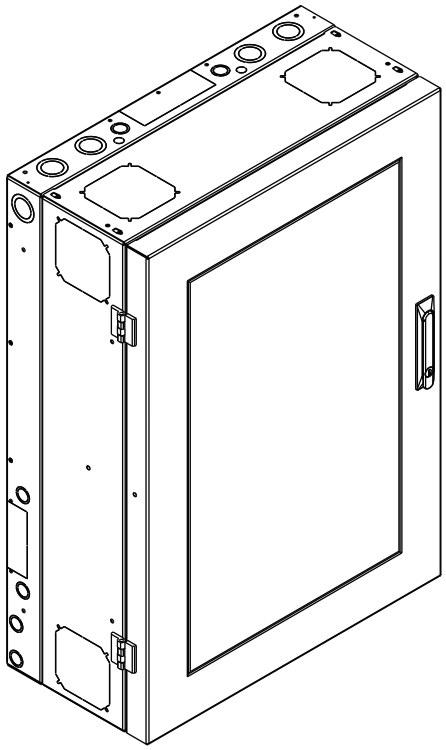
The VWM Series instruction sheet shows you how to properly remove or relocate your VWM and accessories for a full door and split door configuration.

Specific Instruction Sheet Order for the VWM Series Installation Process

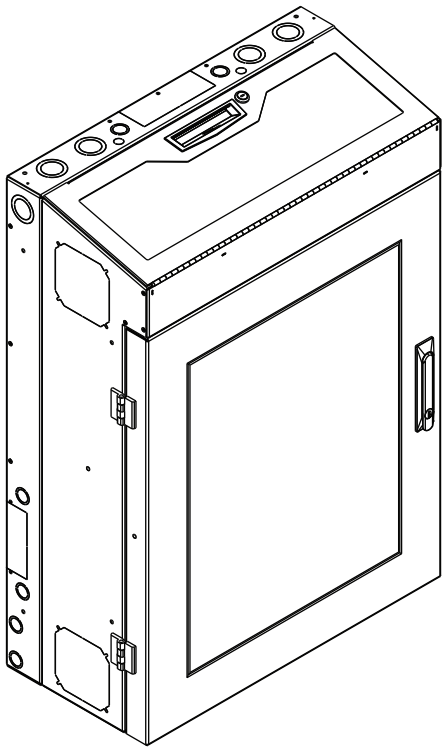
1. Use this instruction sheet to remove or relocate your VWM.
2. Refer to the following instruction sheets to install the VWM Series option you may have purchased for your wall mount rack.
   a. Pivoting Mounting Rail Bracket Option Instruction Sheet (I-00798)
   b. Lever Lock™ Backpan Option Instruction Sheet (I-00799)
   c. Cable Entry Brush Grommet Instruction Sheet (I-00820)
3. If you purchased a bonding kit for the fan or rear door, refer to the Bonding Kit PET-K-FAN Instruction Sheet (I-00881) or the Bonding Kit PET-K-RD Instruction Sheet (I-00750).
4. If you purchased a filter kit for your VWM, refer to the Filter Kit Instruction Sheet (100-00105).

BACKPANS FOR DIFFERENT DOORS

There are 2 VWM series backpans that differ based on your selection of a full door or split door as follows:



VWM With Full Door
Backpan: VWM-BP-XXXX-XX
Full (Solid) Door: VWM-SD-XX-XX



VWM With Split Door
Backpan: VWM-BPSD-XXXX-XX
Split Plexi Door: VWM-SPD-XXXXXX
Solid Split Door: VWM-SSD-XXXXXX

NOTE: Images in this guide not specifically illustrating the full or split door may show either backpan.

MOUNTING THE BACKPAN

NOTE:

- We strongly recommend you hit wall studs (where applicable) for propper support.
- Use a stud finder to mark keyhole slot drilling locations, if applicable.

1. Carefully team lift your backpan on the wall, and mark your desired keyhole slot drilling locations, as shown. (**FIGURE A**)

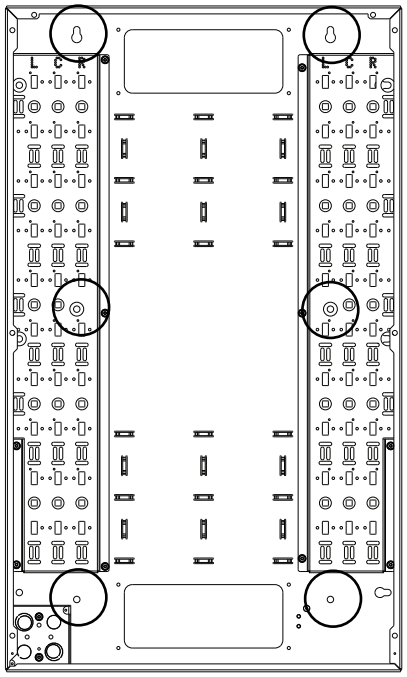


FIGURE A

NOTE:

- Use 3/8" diameter lag bolts with a minimum length of 2" and standard flat washers for hardware (not provided).
- The flat washers must be installed under the lag bolt heads.
- Adjust torque on electric drill to the “drill” setting and pre-drill holes using an electric drill and 1/2” drill bit.

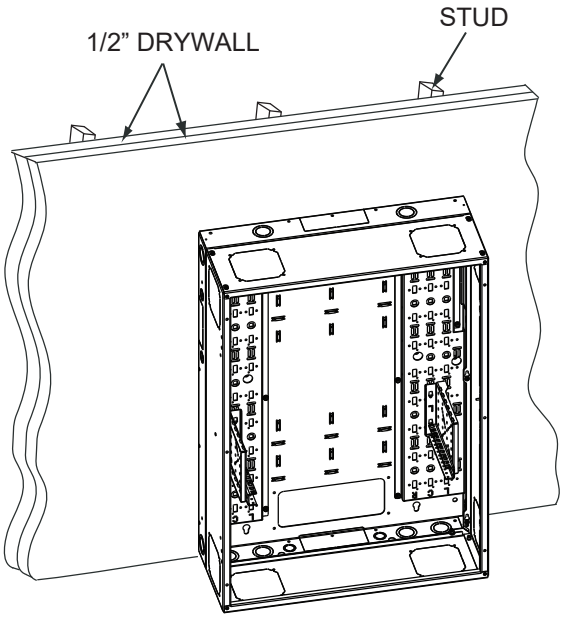


FIGURE B

2. Install one of the top fasteners first (left or right) to use as an anchor point. Do not overtighten.
3. Place a level on the top center of your backpan and make any final adjustments before carefully inserting the rest of the fasteners (not provided) through washers, remaining holes on your backpan and into the holes on the wall. Do not overtighten.
4. Install the remaining mounting fasteners on your backpan.

REMOVING A DOOR CONFIGURATION (IF APPLICABLE)

Removing A Full Door Configuration

NOTE:

- The full door (VWM-SD-XX-XX) may be factory installed in pre-configured designs.
- If your pre-configured enclosure includes a full door, it may be helpful to remove either the full door and/or the top before mounting the backpan and installing any equipment.

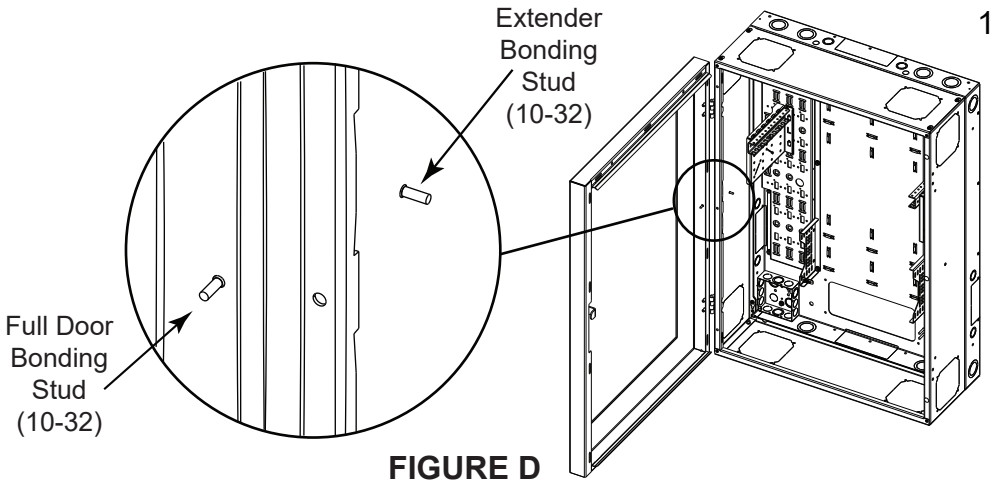


FIGURE D

1. Use the quick disconnect on the door bonding wire to free the connection between the door bonding stud and the extender bonding stud. (**FIGURE D**)

CAUTION: The bonding wire must be used when reattaching the door to ensure proper bonding.
ATTENTION: Le fil de liaison doit être utilisé lorsque la porte est remis pour assurer une connexion électrique appropriée.

2. Open the door to 90º.

3. Remove the (2x) M6 nuts from each hinge (remove nuts from the bottom hinge first). (**FIGURE E**)

4. Carefully set the full door and hardware aside for reinstallation.

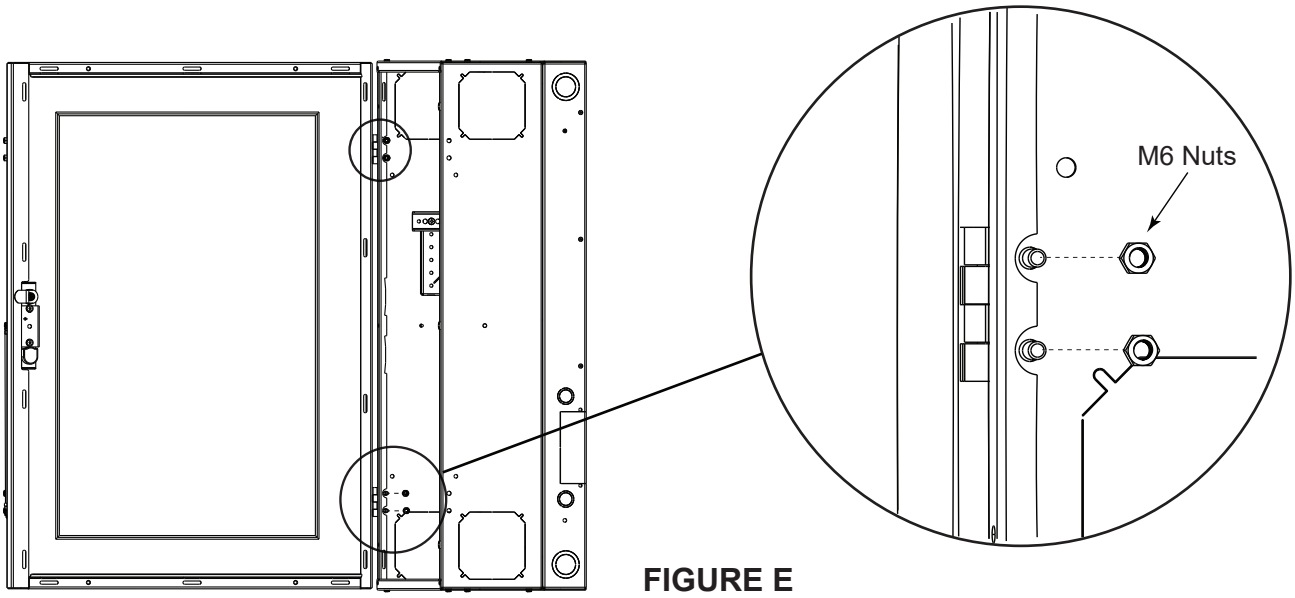


FIGURE E

REMOVING A DOOR CONFIGURATION (IF APPLICABLE, CONTINUED)

NOTE: Use the steps mentioned below to remove the top of your VWM, if desired.

5. Remove (2x) 6-32 x 5/16” bonding screws from the front corners of the top as shown. (**FIGURE F)**

6. Loosen (approximately 2 turns) the (4x) 10-32 x 1/2” screws enough to remove the top by pulling and lifting up, as shown. (**FIGURE G**)

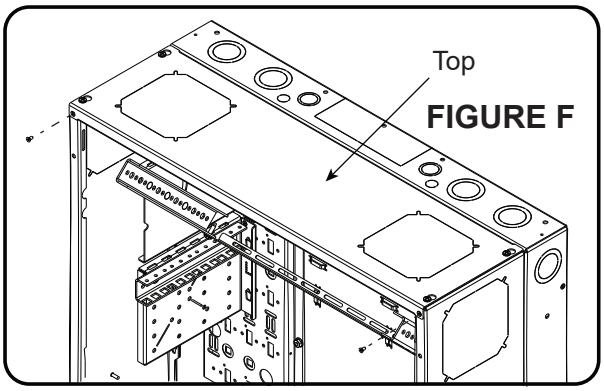


FIGURE F

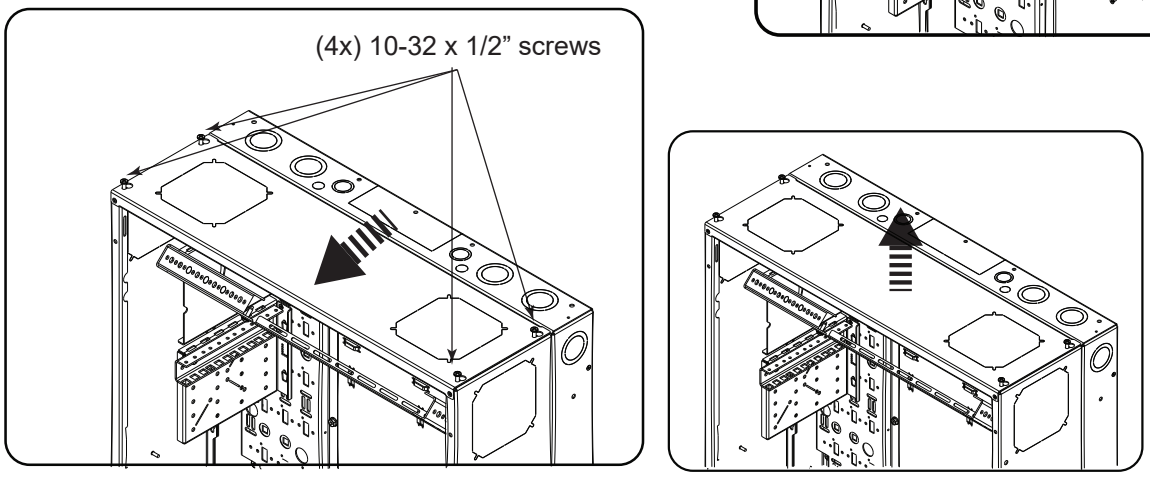


FIGURE G

NOTE: Hinges are located to the left side of a pre-configured door. Use the remaining steps in this topic to reverse door swing, if desired.

7. Remove your door configuration as shown in the previous steps.

8. Remove and attach the rubber bumpers to the holes on the opposite side of the hinges.

9. Rotate door and reattach hinges to the extender (top hinge first).

10. Remove cam screw and cam from handle. (**FIGURE H**)

11. Remove the (2x) handle screws as shown.

12. Rotate and reattach the handle to the door.

13. Rotate cam 180°, and reattach cam with screw (cam facing the outside of enclosure).

14. Reattach the door bonding wire to the front door to ensure proper bonding to the backpan.

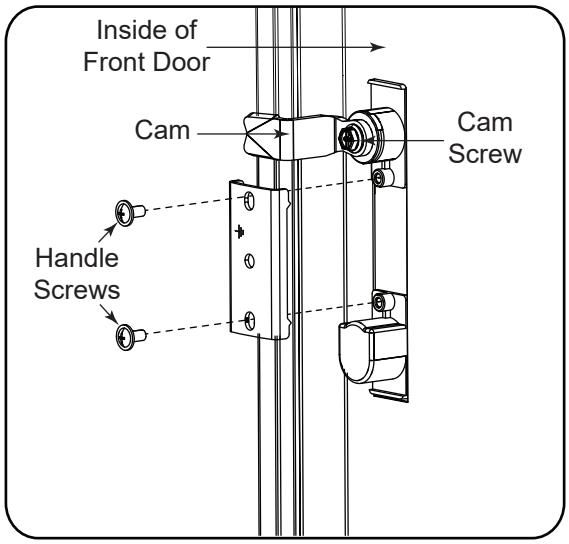


FIGURE H

Removing A Split Door Configuration

CAUTION: The bonding wire must be used when reattaching the door to ensure proper bonding.
ATTENTION: Le fil de liaison doit être utilisé lorsque la porte est remis pour assurer une connexion électrique appropriée.

NOTE: If your pre-configured enclosure includes a split door (VWM-SPD-XXXXXX or VWM-SSD-XXXXXX), it may be helpful to remove either the split and/or the front door before mounting the backpan and installing any equipment.

1. Open the front door to 90º.

2. Use the quick disconnnect on the door bonding wire to free the connection between the front door bonding stud and the extender bonding stud. (**FIGURE J**)

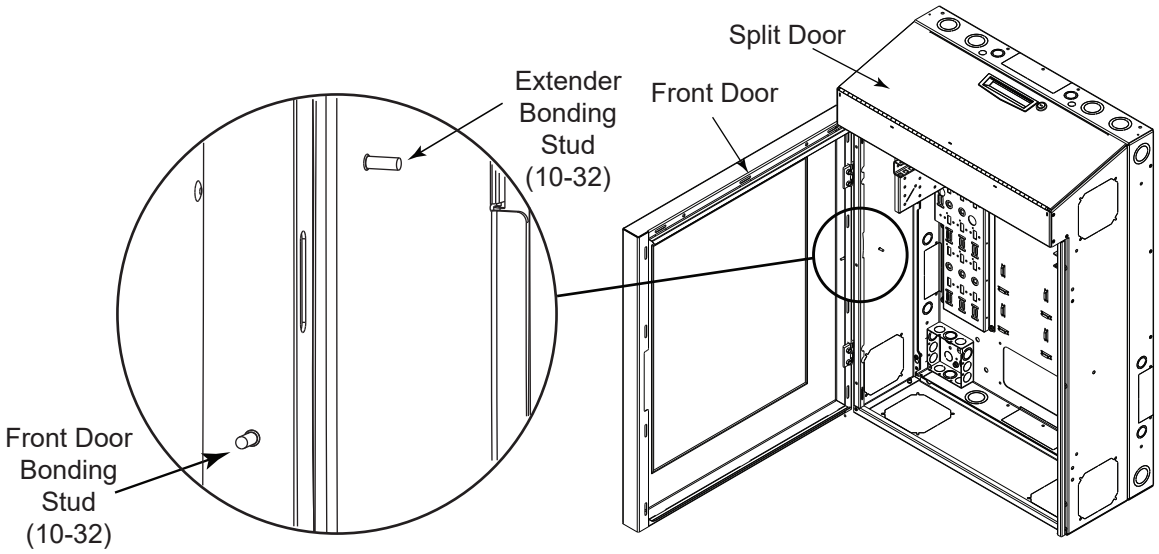


FIGURE J

3. Remove the (2x) M6 nuts from each hinge (remove nuts from the bottom hinge first). (**FIGURE K**)

4. Carefully set the front door and hardware aside for reinstallation.

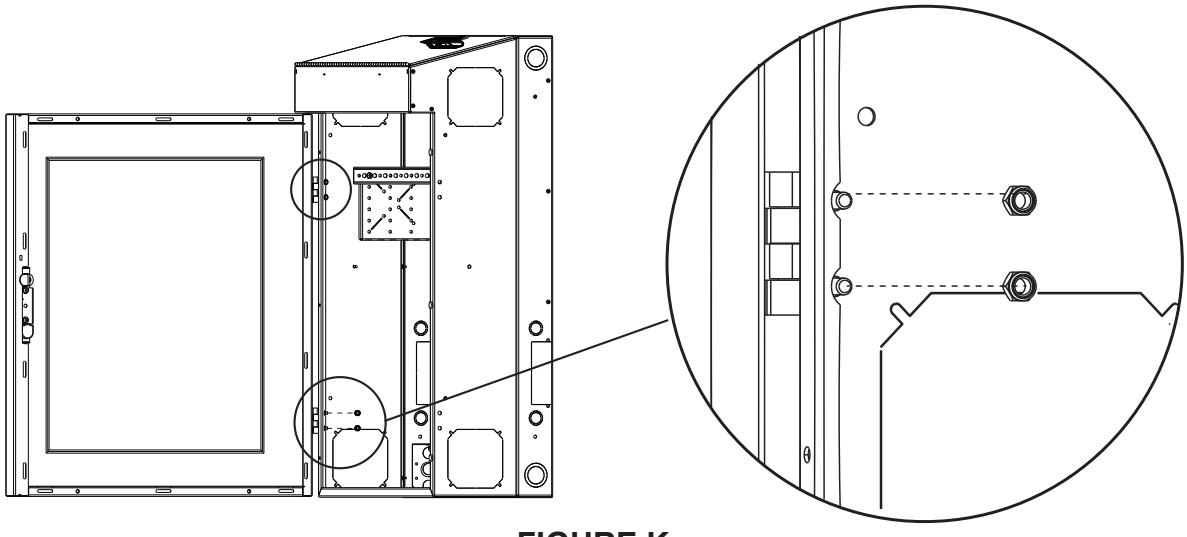


FIGURE K

REMOVING A DOOR CONFIGURATION (IF APPLICABLE, CONTINUED)

5. Remove (3x) 6-32 x 5/16” bonding screws from each side of the split door as shown. (**FIGURE L**)

6. Carefully remove the split door and set it aside for reinstallation.

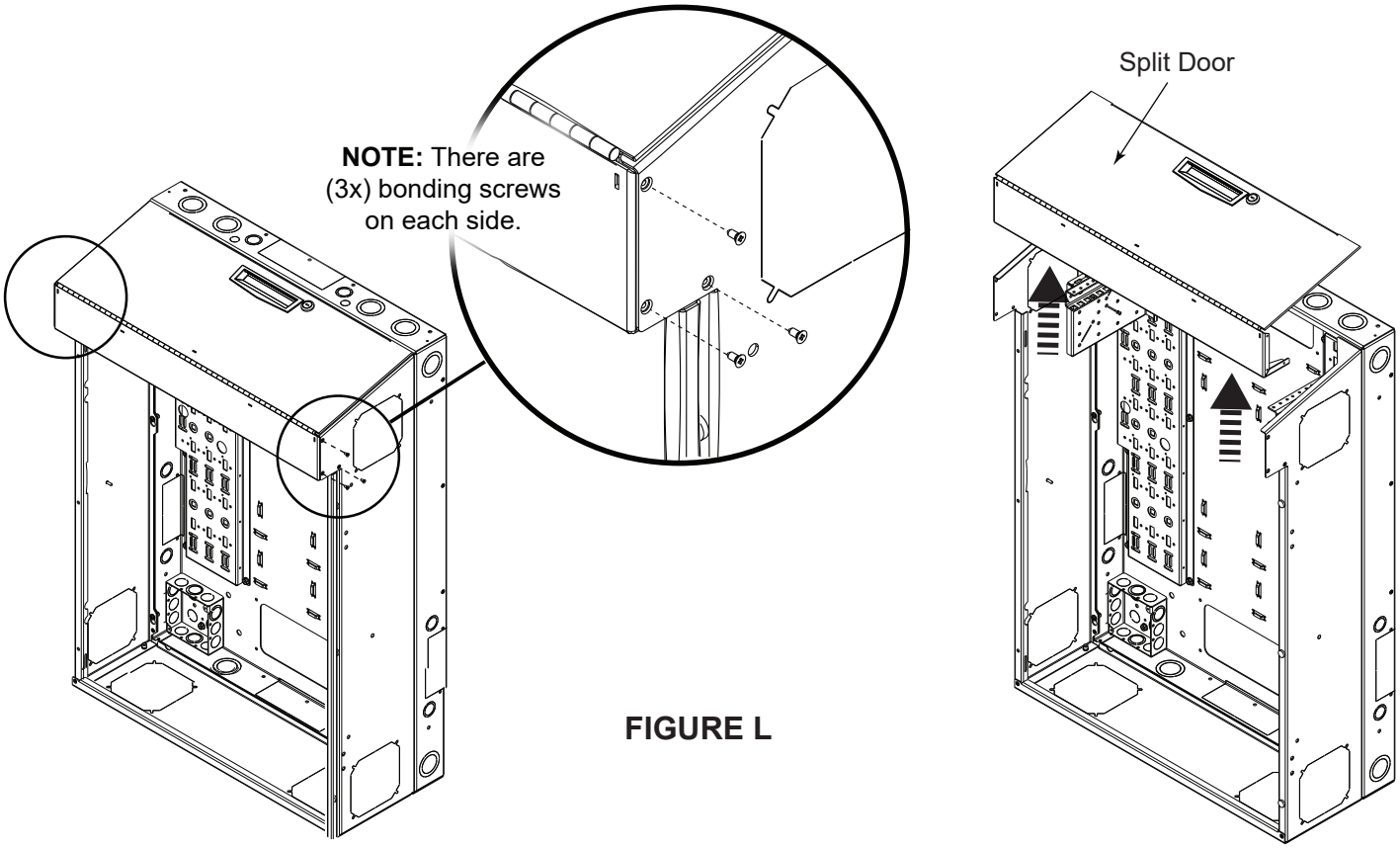


FIGURE L

NOTE: Hinges are located to the left side of a pre-configured door. Use the remaining steps in this topic to reverse door swing, if desired.

7. Remove your door configuration as shown in the previous steps.

8. Remove and attach the rubber bumpers to the holes on the opposite side of the hinges.

9. Rotate door and reattach hinges to the extender (top hinge first).

10. Remove cam screw and cam from handle. (**FIGURE M**)

11. Remove the (2x) handle screws as shown.

12. Rotate and reattach the handle to the door.

13. Rotate cam 180°, and reattach cam with screw (cam facing the outside of enclosure).

14. Reattach the door bonding wire to the front door to ensure proper bonding to the backpan.

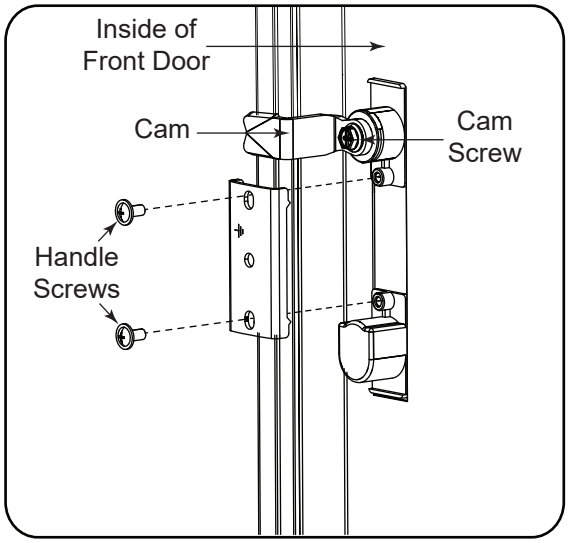


FIGURE M

REMOVING EXTENDERS FROM THE BACKPAN

NOTE:

- It may be helpful to remove extenders for some mounting and equipment installations.
- Mounting equipment in the center of the backpan is recommended when removing and reinstalling extenders. For more information, refer to “Relocating Fixed Position Mounting Rail or Pivot Brackets on the Backpan” on page 14.
- A longer drill bit may be required when reinstalling extenders to the backpan after mounting equiment in the center of the enclosure.

FOR FULL DOOR CONFIGURATIONS ONLY:

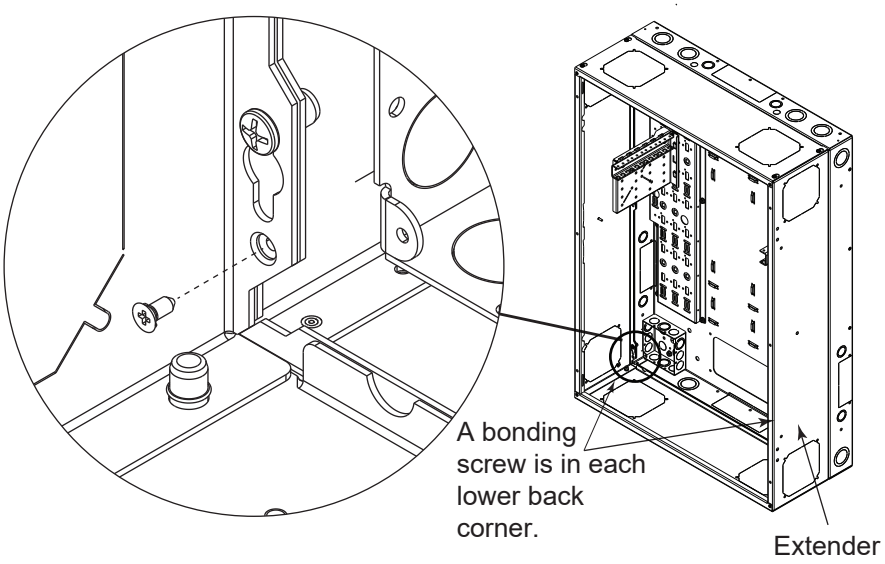


FIGURE N

1. If you have a pre-installed door, use the previous topics to remove the door before proceeding.

2. Remove the (2x) 6-32 x 5/16” bonding screws connecting the lower back corners of the extender to the back-pan as shown. (**FIGURE N**)

NOTE: When removing extenders, do not remove the top on the full door configuration.

CAUTION: The bonding screws must be used as explained to ensure proper bonding.
ATTENTION: Les vis doivent être utilisées comme expliqué pour assurer approprié électrique de liaison.

3. Loosen (approximately 2 turns) the (6x) 10-32 x 1/2” screws connecting the extender to the backpan as shown. (**FIGURE P**)

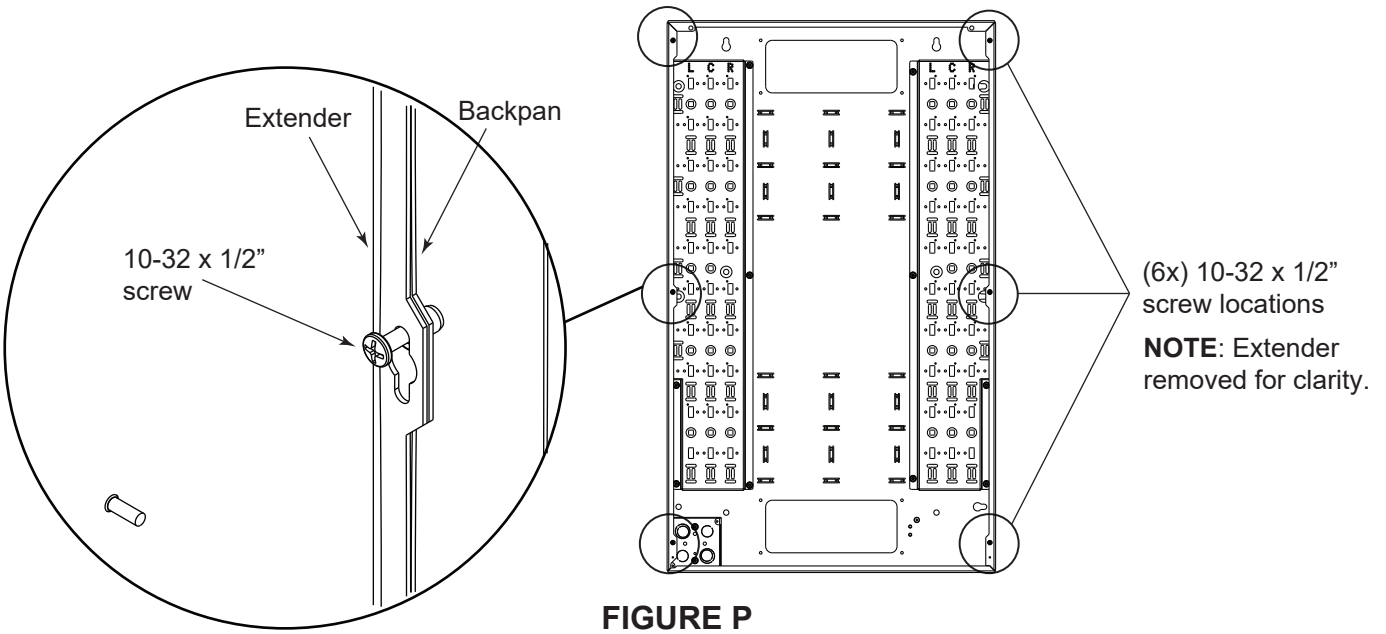


FIGURE P

REMOVING EXTENDERS FROM THE BACKPAN (IF APPLICABLE, CONTINUED)

FOR SPLIT DOOR CONFIGURATIONS ONLY:

- Split door configurations have (2x) extra 10-32 x 1/2" screws on top.
- Remove (8x) 10-32 x 1/2" screws connecting the top of the extender to the backpan as shown. (**FIGURE R**)

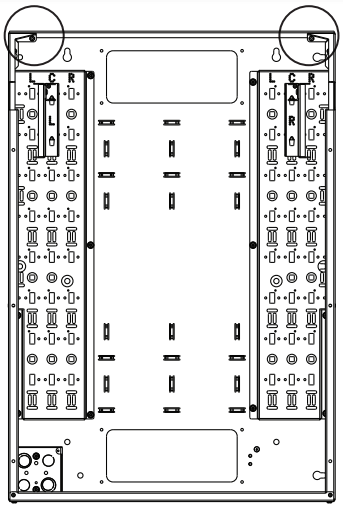
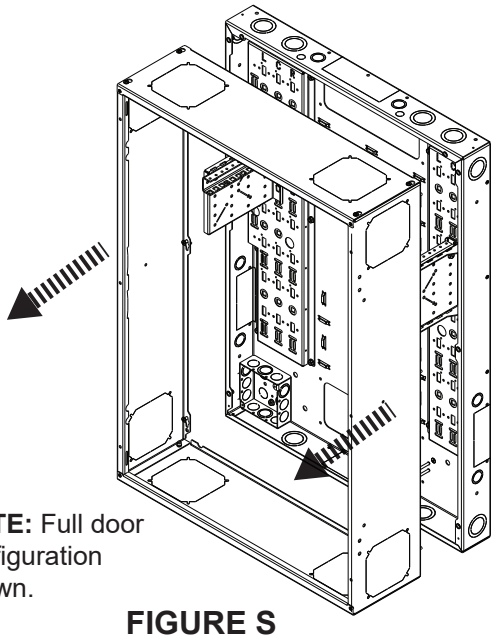


FIGURE R



NOTE: Full door configuration shown.

FIGURE S

4. Lift and remove the extender keyholes from the loosened screws on the backpan as shown. (**FIGURE S**)

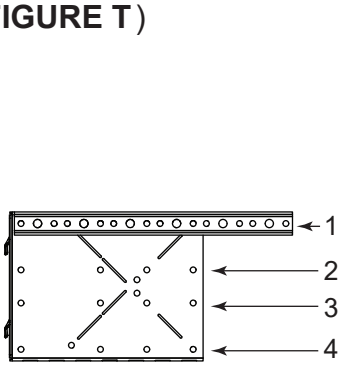
NOTE: After removing extenders, begin mounting or installing equipment.

REPOSITIONING RACKRAILS ON THE FIXED POSITION MOUNTING RAIL BRACKETS

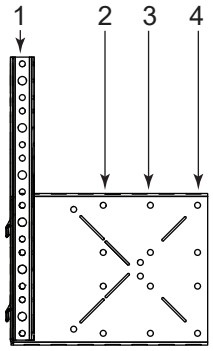
NOTE:

- The fixed position mounting rail bracket option (VWM-RR-XX) may be factory installed in pre-configured designs.
- The rackrails have 10-32 and cagenut sides for convenience.

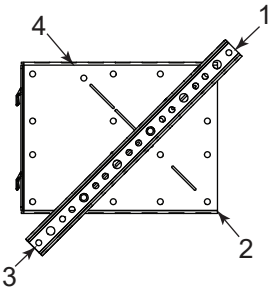
1. Use (2x) 10-32 screws and (2x) 10-32 nuts in the outermost holes to remove and reattach rackrails to the inside of mounting rail brackets. There are 4 horizontal, vertical, and diagonal (45º) positions available. (**FIGURE T**)



(4x) Horizontal Positions



(4x) Vertical Positions



(4x) Diagonal (45º) Positions

FIGURE T

2. Repeat the process with a second rackrail and the other fixed position mounting rail bracket.

ROTATING PIVOTING BRACKET RACKRAILS FROM 10-32 TO CAGENUT (IF DESIRED)

NOTE: The pivoting mounting rail bracket option (VWM-RR-PIV-X) may be factory installed in pre-configured designs.

1. Remove the wing nuts and 5/16”-18 nuts from the studs. (**FIGURE U**)

2. Rotate the rackrails so the cagenut holes are positioned for use.

3. Reattach wing nuts and 5/16”-18 nuts to the studs on both rackrails.

NOTE: Leave the 5/16”-18 nuts loose enough so the rackrails pivot on the brackets.

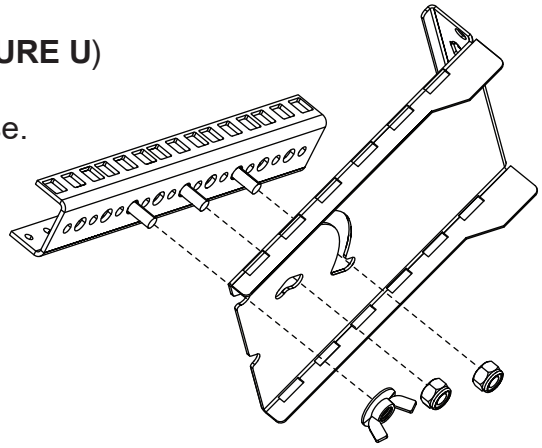


FIGURE U

RELOCATING FIXED POSITION MOUNTING RAIL OR PIVOT BRACKETS ON THE BACKPAN

NOTE:

- The fixed position mounting rail bracket option (VWM-RR-XX) and the pivoting mounting rail bracket option (VWM-RR-PIV-X) may be factory installed in pre-configured designs.
- Consider your equipment’s power and cabling requirements to determine a left, center, or right bracket alignment. Pre-installed brackets are in the center position.
- Fixed position mounting rail and pivoting bracket pairs are labeled left (L) and right (R).

1. Remove the (2x) 6-32 x 5/16” bonding screws from each bracket (1x per bracket).

2. Remove and reattach fixed position mounting rail or pivot bracket pairs to labeled columns on the backpan for left (column L), center (column C), and right (column R) alignment of your equipment. (**FIGURE V**)

3. Reattach the bonding screws (1x per bracket) to ensure proper bonding.

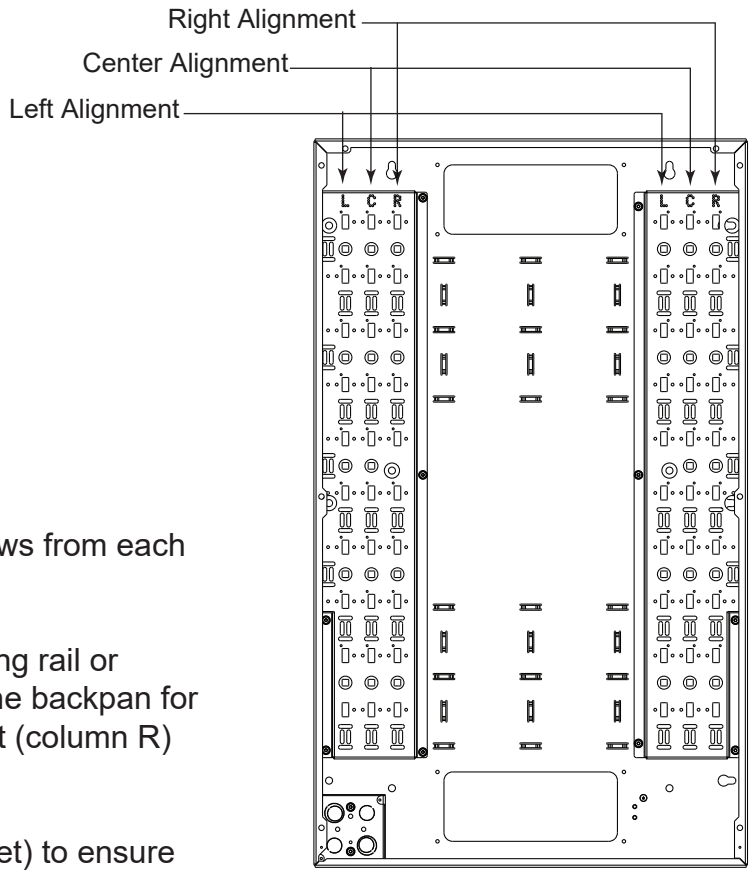


FIGURE V

CAUTION: The bonding screws must be used as explained to ensure proper bonding.
ATTENTION: Les vis doivent être utilisées comme expliqué pour assurer approprié électrique de liaison.

RELOCATING THE LEVER LOCK™ BACKPAN

NOTE: The Lever Lock™ backpan option (LL-VWM-BPK) may be factory installed in pre-configured designs.

1. Press the clip on one corner to remove the Lever Lock backpan plate from the brackets. (**FIGURE W)**

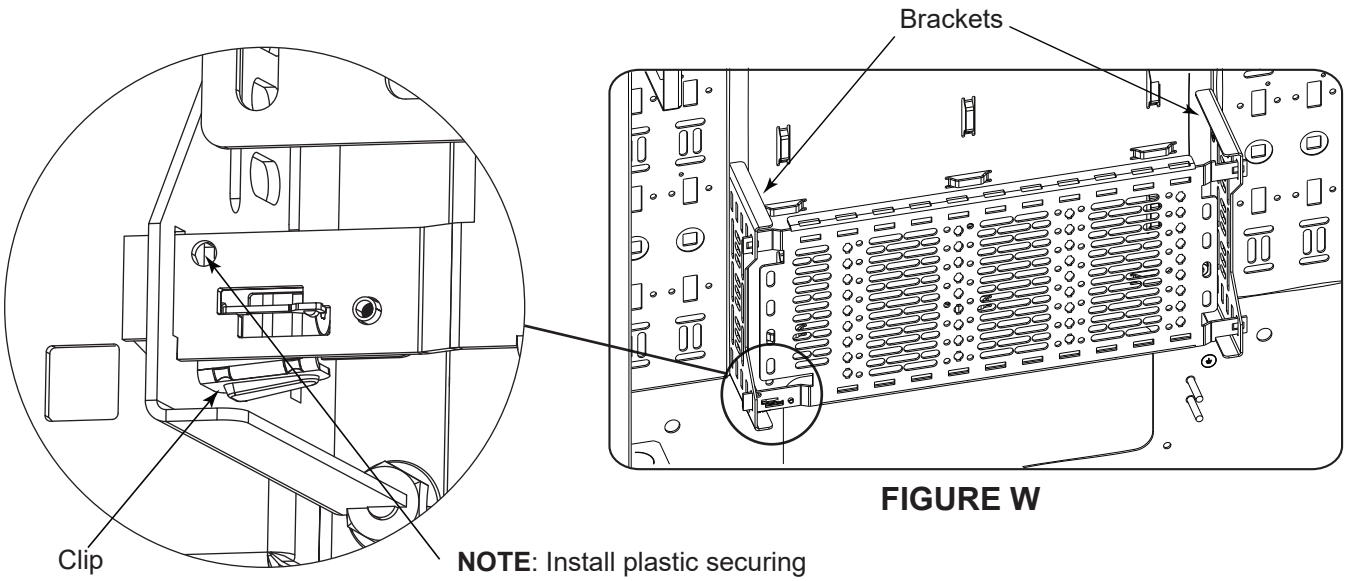


FIGURE W

NOTE: (20x) Lever Lock™ plate washers (L) are provided for equipment mounting convenience.

2. Remove (4x) 6-32 x 5/16” bonding screws (2x per side) to relocate brackets into any of the following backpan locations. (**FIGURE X**)

CAUTION: The bonding screws must be used as explained to ensure proper bonding.
ATTENTION: Les vis doivent être utilisées comme expliqué pour assurer approprié électrique de liaison.

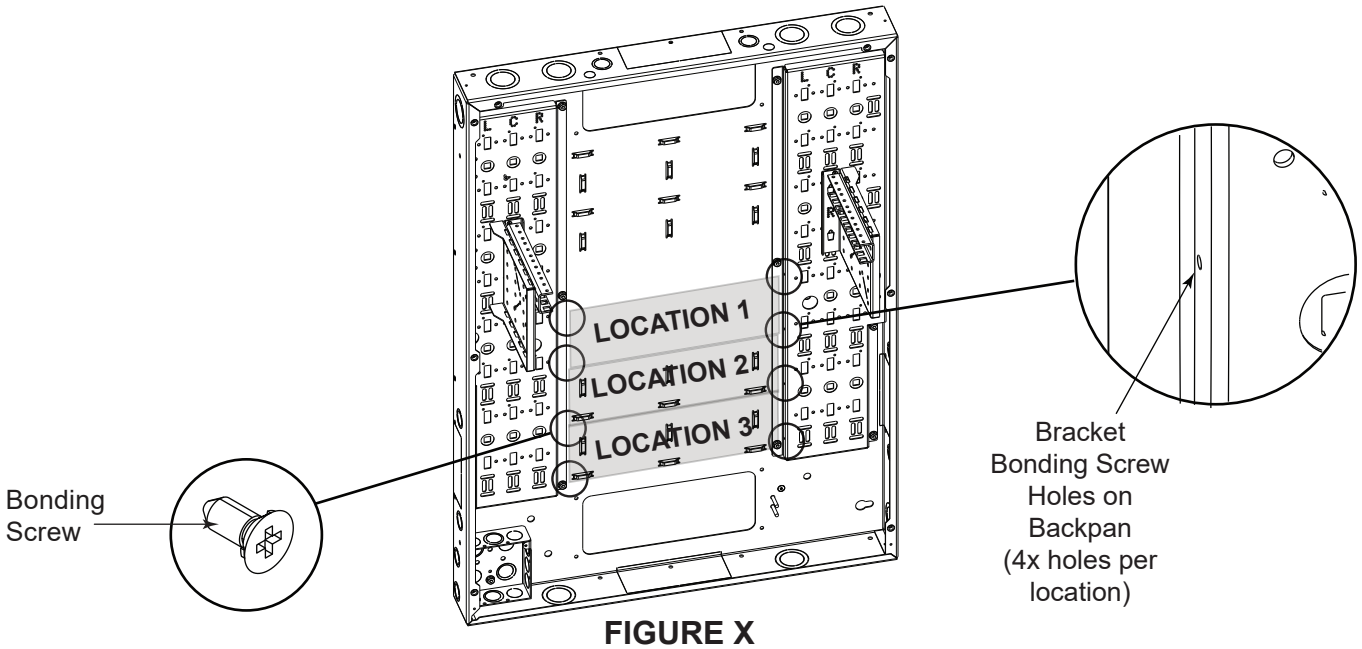


FIGURE X

RELOCATING THE LEVER LOCK BACKPAN (CONTINUED)

NOTE:

- The bracket mounting or bonding screw holes are located on the inside edges of the backpan. Each assembled as shown. (**FIGURE Y)**

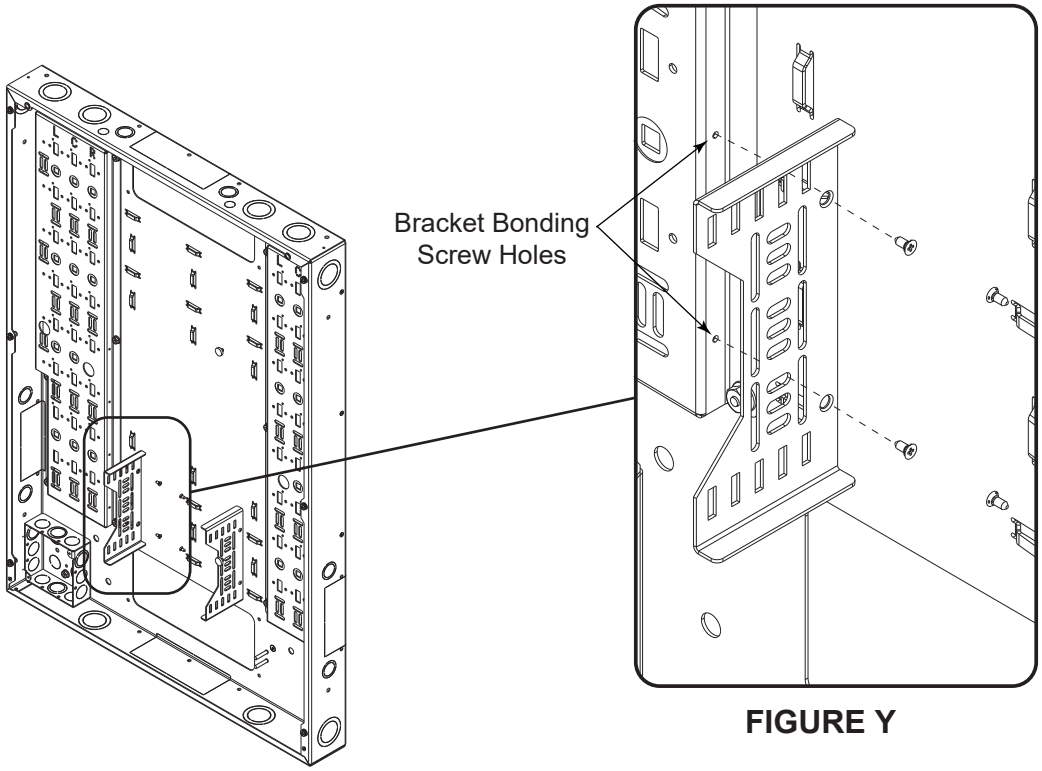


FIGURE Y

- Reattach the Lever Lock™ backpan plate by installing the side without the clip into the brackets first. Then install the side with the clip until it clicks into place. (**FIGURE Z**)

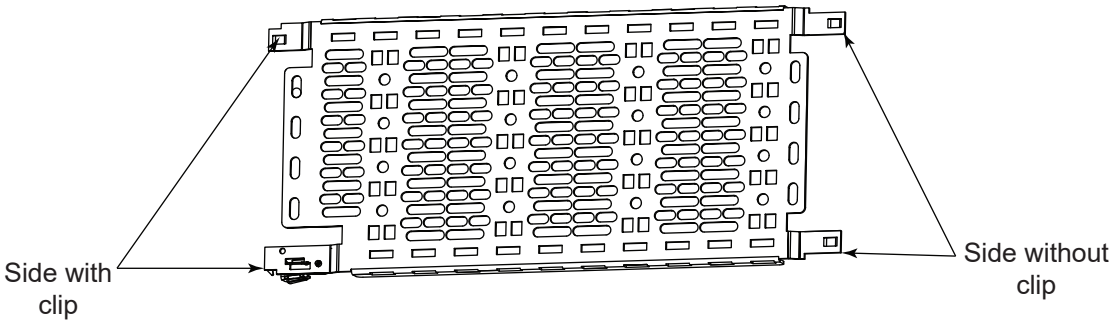


FIGURE Z

- The Lever Lock backpan™ plate may be installed on the brackets at different depths. All 4 corners of the Lever Lock backpan™ plate must be inserted into the brackets at the same depth in order to function correctly.

USING THE PIVOTING MOUNTING RAIL BRACKETS

NOTE: The pivoting mounting rail bracket option (VWM-RR-PIV-X) may be factory installed in pre-configured designs.

1. Loosen the wing nuts on both sides of the rackrail, lift, and rotate the assembly from the in-use to punch down and service position. Tighten the wing nuts. Do not overtighten. (**FIGURE AA**)

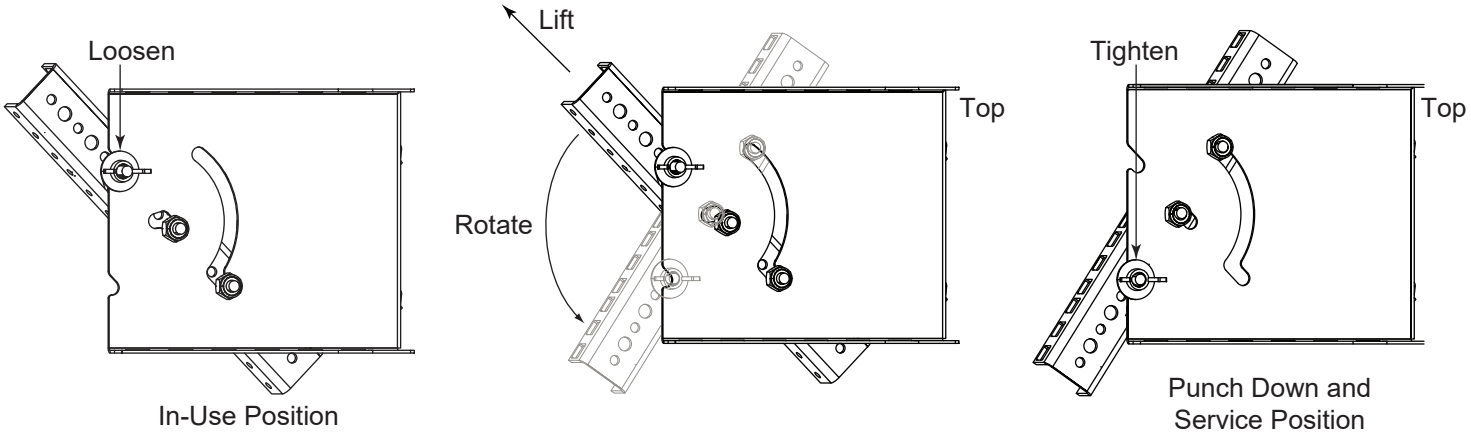


FIGURE AA

2. When rotating, the bottom of the mounted component(s) swing forward for easier access to the connection points.

3. Use (2) 10-32 x 3/4” screws to attach the lacer bar. (**FIGURE AB)**

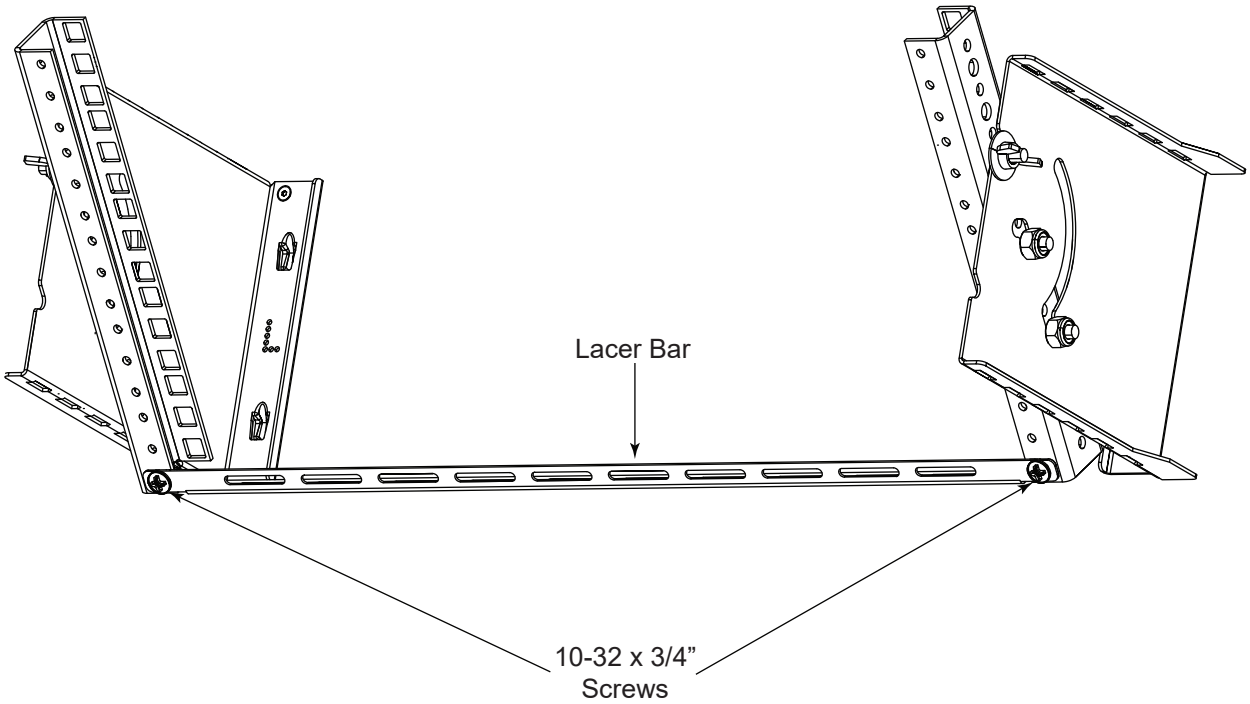


FIGURE AB

GROUNDING AND BONDING

Protective Earth Terminals (PET) are located in the backpan of the wall rack. These terminals are marked with the symbol ⏚. Wall rack parts, center section, door, and fans contain or are provided with bonding points for connection to the PET. Protective earth and bonding connections shall be in accordance with Article 250 of the National Electric Code.

The main protective earth ground needs to be the first terminal placed on the PET and this terminal needs to be secured on its own with a nut. (**FIGURE AC**)

NOTE:
- The (2x) backpan PET studs are on the lower-right (facing) of the backpan on both the full door and split door options.
- The door bonding stud is on the hinge side of both the full door and split door options.
- Additional bonding hardware is provided with optional components.

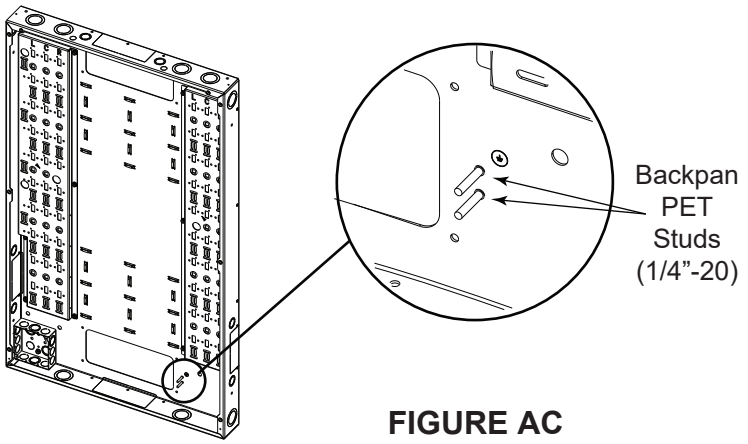


FIGURE AC

CONNECTING 4 FAN OPTION TO BONDING POINTS

1. Use the locking nut (N) to connect the first eyelet on the bonding wire (P) to a bonding point on either side of the extender’s interior as shown. (**FIGURE AD**)
2. Use the M4 screws (R) to connect the second and third bonding wire eyelets to the ground points (GND) on each 4” fan option (not provided, sold separately).

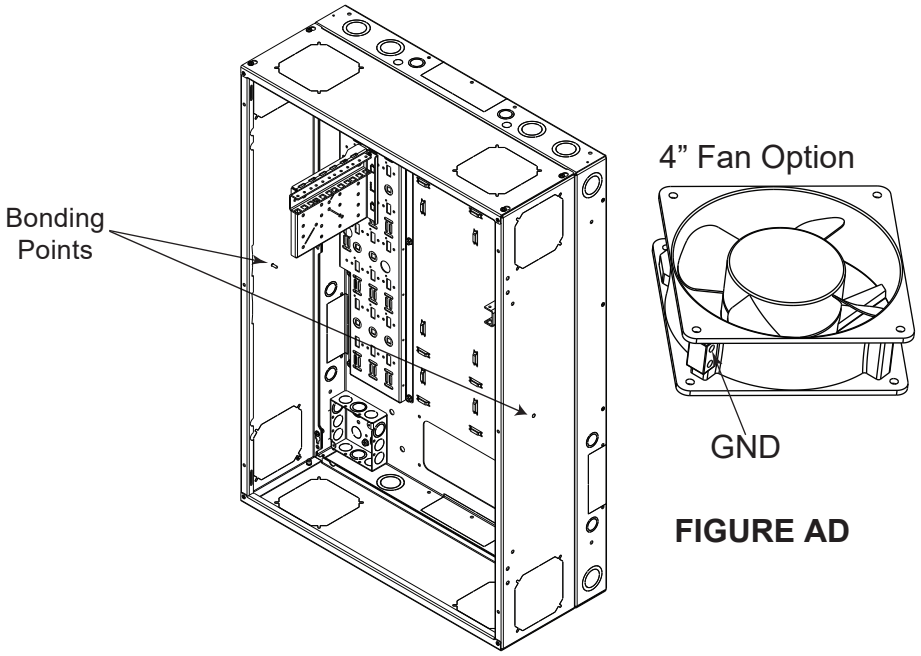


FIGURE AD

NOTE:
- Follow installation steps as described in the instructions provided with your 4” fan option.
- For more information, see "Venting The Enclosure For A Full Door Configuration" or "Venting The Enclosure For A Split Door Configuration," on pages 19 and 20, respectively.

CAUTION: The bonding wire must be used when connecting AC fans to ensure proper bonding.
ATTENTION: Le fil de liaison doit être utilisé lors de la connexion des AC ventilateurs pour assurer une connexion électrique appropriée.

VENTING THE ENCLOSURE FOR A FULL DOOR CONFIGURATION

NOTE: There are 8 knockout locations available on your full door enclosure for a variety of ventilation configurations. (**FIGURE AE**)

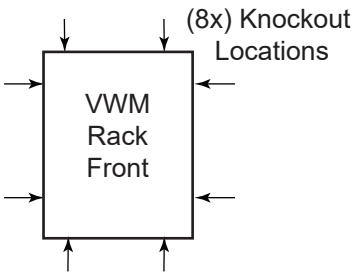
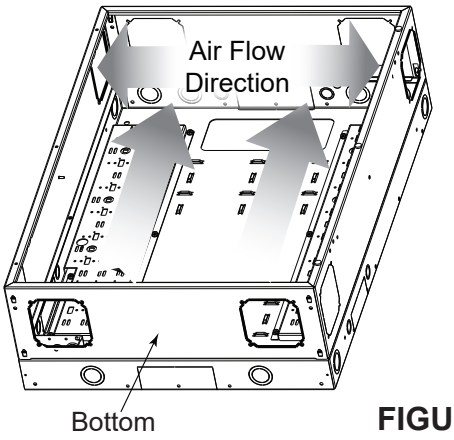


FIGURE AE

FOR PASSIVE VENTILATION ONLY:

2. Use a hammer to knock out 4 plates and install a vent guard into each of the 4 openings (from the outside into the enclosure) using a guard (A), (4x) 6-32 x 3/8" screws (M), and (4x) 6-32 flange nuts (B) in each location. (**FIGURE AF**)

NOTE: Passive ventilation produces the following upward airflow pattern through the enclosure.



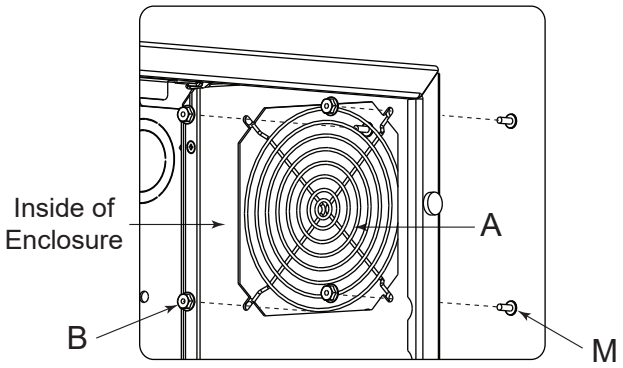


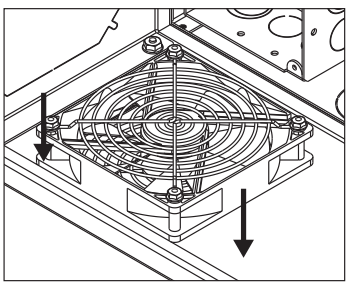
FIGURE AF

FOR ACTIVE VENTILATION ONLY:

2. Install any 4" fan option (not provided, sold separately) into each of the 2 openings on the bottom of the rack using a fan, (4x) screws and (4x) nuts from the hardware provided with your fan. (**FIGURE AG**)

NOTE: If using a 4" fan option, be sure to bond it correctly. For more information, see "Connecting 4" Fan Options to Bonding Points" on page 18.

3. Install a vent guard into each of the 2 openings on the top sides of the rack (from the outside into the enclosure) using a guard (A), (4x) 6-32 x 3/8" screws (M), and (4x) 6-32 flange nuts (B) in each location. (**FIGURE AH)**



Install fans with downward airflow.

FIGURE AH

Vent guards on the top sides of the extenders.

NOTE: Active ventilation produces the following downward airflow pattern through the enclosure.

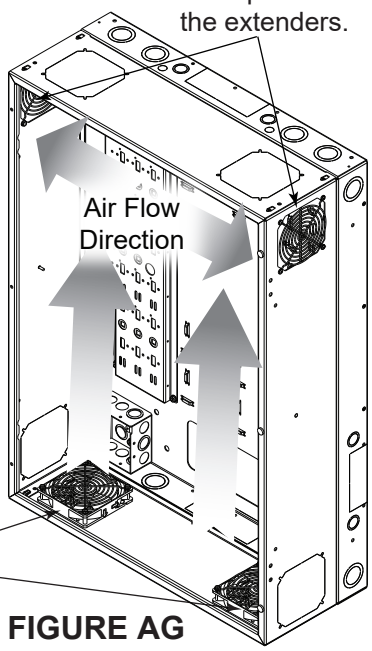


FIGURE AG

VENTING THE ENCLOSURE OF A SPLIT DOOR CONFIGURATION

NOTE: There are 6 knockout locations available on your split door enclosure for a variety of ventilation configurations. (**FIGURE AJ**)

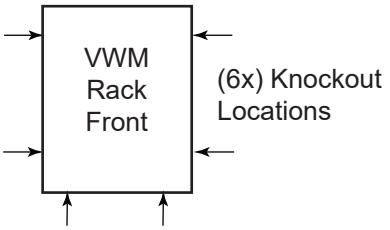
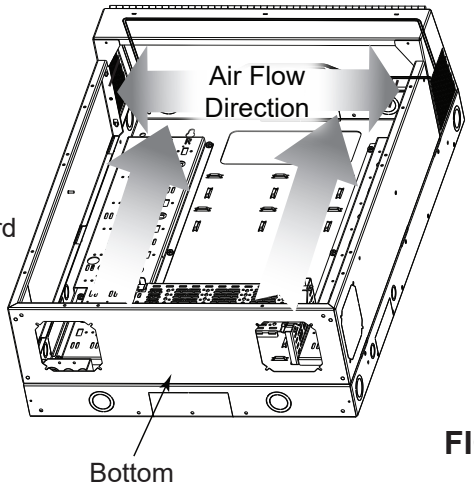


FIGURE AJ

FOR PASSIVE VENTILATION ONLY:

2. Use a hammer to knock out 4 plates and install a vent guard into each of the 4 openings (from the outside into the enclosure) using a guard (A), (4x) 6-32 x 3/8” screws (M), and (4x) 6-32 flange nuts (B) in each location. (**FIGURE AK**)

NOTE: Passive ventilation produces the following upward airflow pattern through the enclosure.



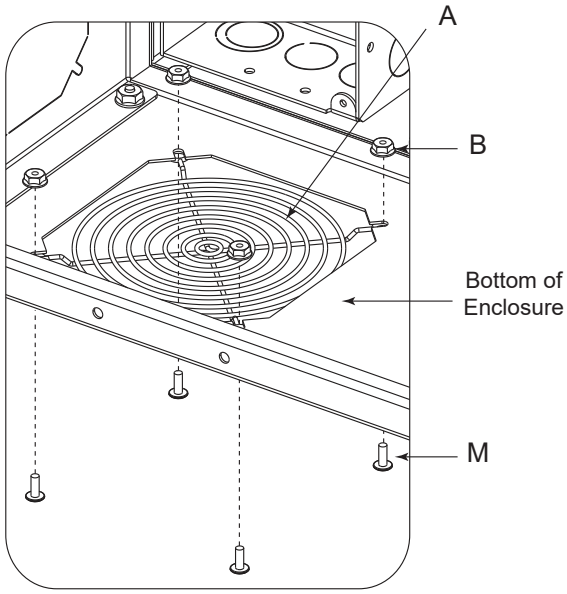


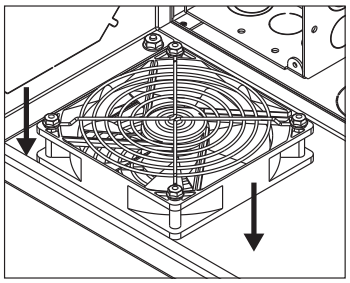
FIGURE AK

FOR ACTIVE VENTILATION ONLY:

2. Install any 4” fan option (not provided, sold separately) into each of the 2 openings on the bottom of the rack using a fan, (4x) screws and (4x) nuts from the hardware provided with your fan. (**FIGURE AL**)

NOTE: If using a 4” fan option, be sure to bond it correctly. For more information, see “Connecting 4” Fan Options to Bonding Points” on page 18.

3. Install a vent guard into each of the 2 openings on the top sides of the rack (from the outside into the enclosure) using a guard (A), (4x) 6-32 x 3/8” screws (M), and (4x) 6-32 flange nuts (B) in each location. (**FIGURE AM)**



Install fans with downward airflow.

FIGURE AM

Vents on the top sides of the split door.

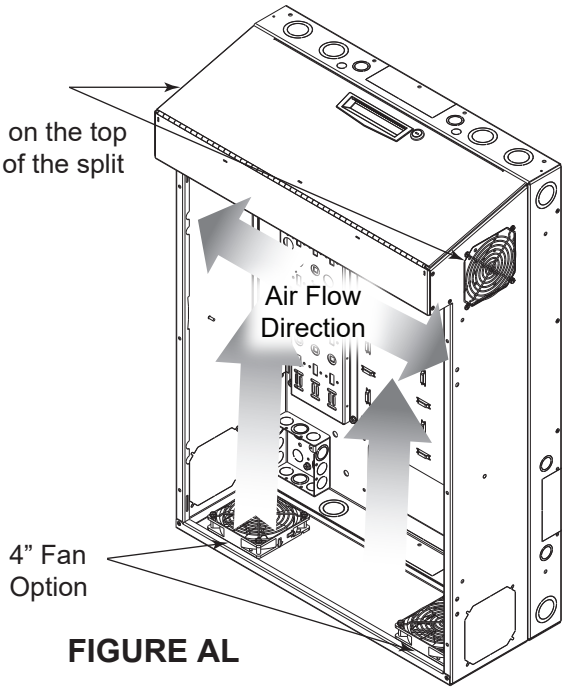


FIGURE AL

INSTALLING THE POWER MOUNTING BRACKET

NOTE:

- Before installing the power mounting bracket to the backpan, install the clip included with your PDU to the bracket using the 10-32 nut and screw provided with your PDU.
- PDU products are sold separately.
- The power mounting bracket may be installed in a variety of configurations. The following procedures are meant to provide some examples.

Installing Vertically to the Backpan

Use a 10-32 x 3/8” screw (G) to install the power mounting bracket vertically to the backpan with outlets facing forward or inside the enclosure as shown. (**FIGURE AN**)

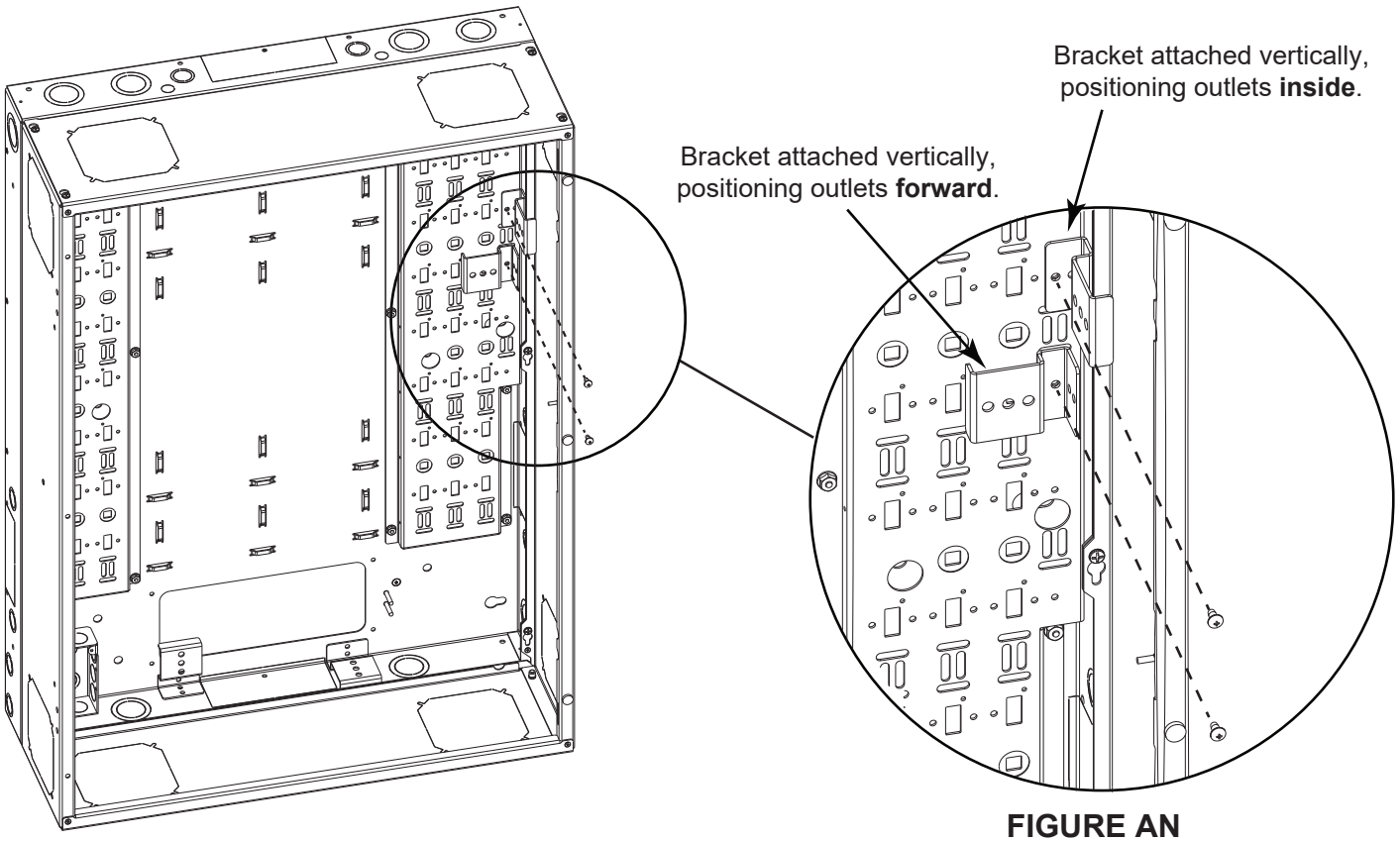
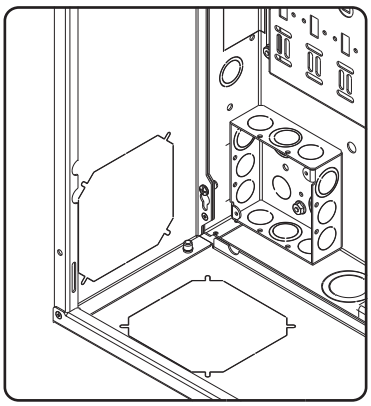


FIGURE AN



NOTE: A junction box is also included in the lower-left of the enclosure.

INSTALLING THE POWER MOUNTING BRACKET (CONTINUED)

NOTE:

- Before installing the power mounting bracket to the backpan, install the clip included with your PDU to the bracket using the 10-32 nut and screw provided with your PDU.
- PDU products are sold separately.
- The power mounting bracket may be installed in a variety of configurations. The following procedures are meant to provide some examples.

Installing Horizontally to the Bottom of the Backpan

Use a 10-32 x 3/8” screw (G) and a 10-32 flange nut (F) to install the power mounting bracket horizontally to the bottom of the backpan with outlets facing upward or forward as shown. (**FIGURE AP and AR, respectively**)

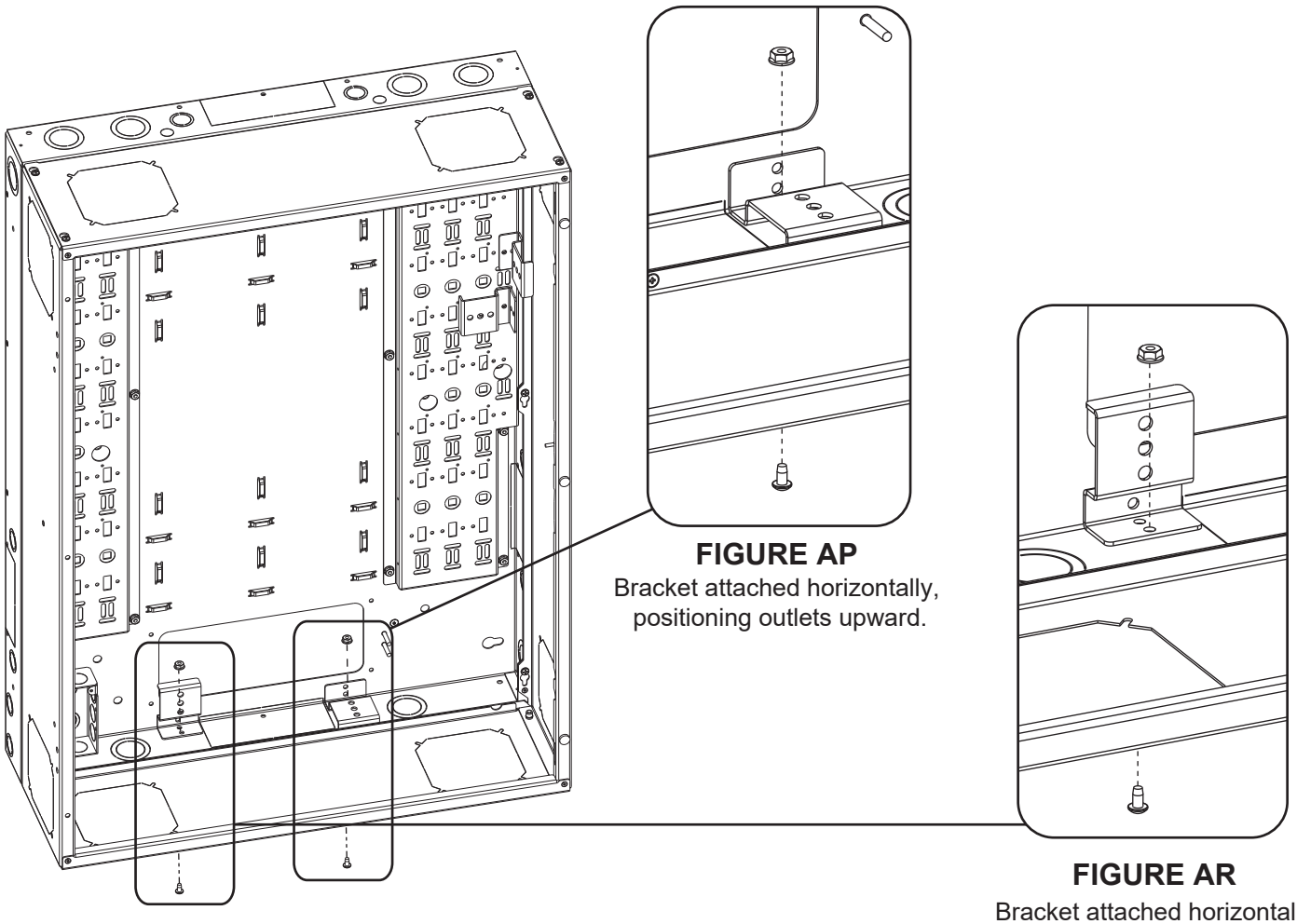
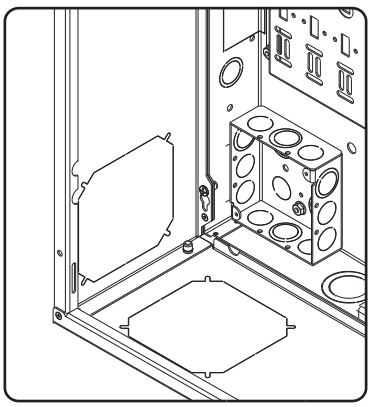


FIGURE AP
Bracket attached horizontally, positioning outlets upward.

FIGURE AR
Bracket attached horizontally, positioning outlets forward.



NOTE: A junction box is also included in the lower-left of the enclosure.

CABLE MANAGEMENT

• Route cables using the following knockouts provided on the top, sides, and bottom of the backpan. (**FIGURE AS**)

NOTE:
• Cable ties (not provided) may be used with bridge lances on the backpan to secure cabling.
• Optional grommets (GR-30) are available to protect wiring when using circular knockouts.
• Optional VWM Series Cable Entry Brush Grommet (VWM-6BR-BP) is also available. For more information, refer to the VWM Series Cable Entry Brush Grommet instruction sheet (I-00820).

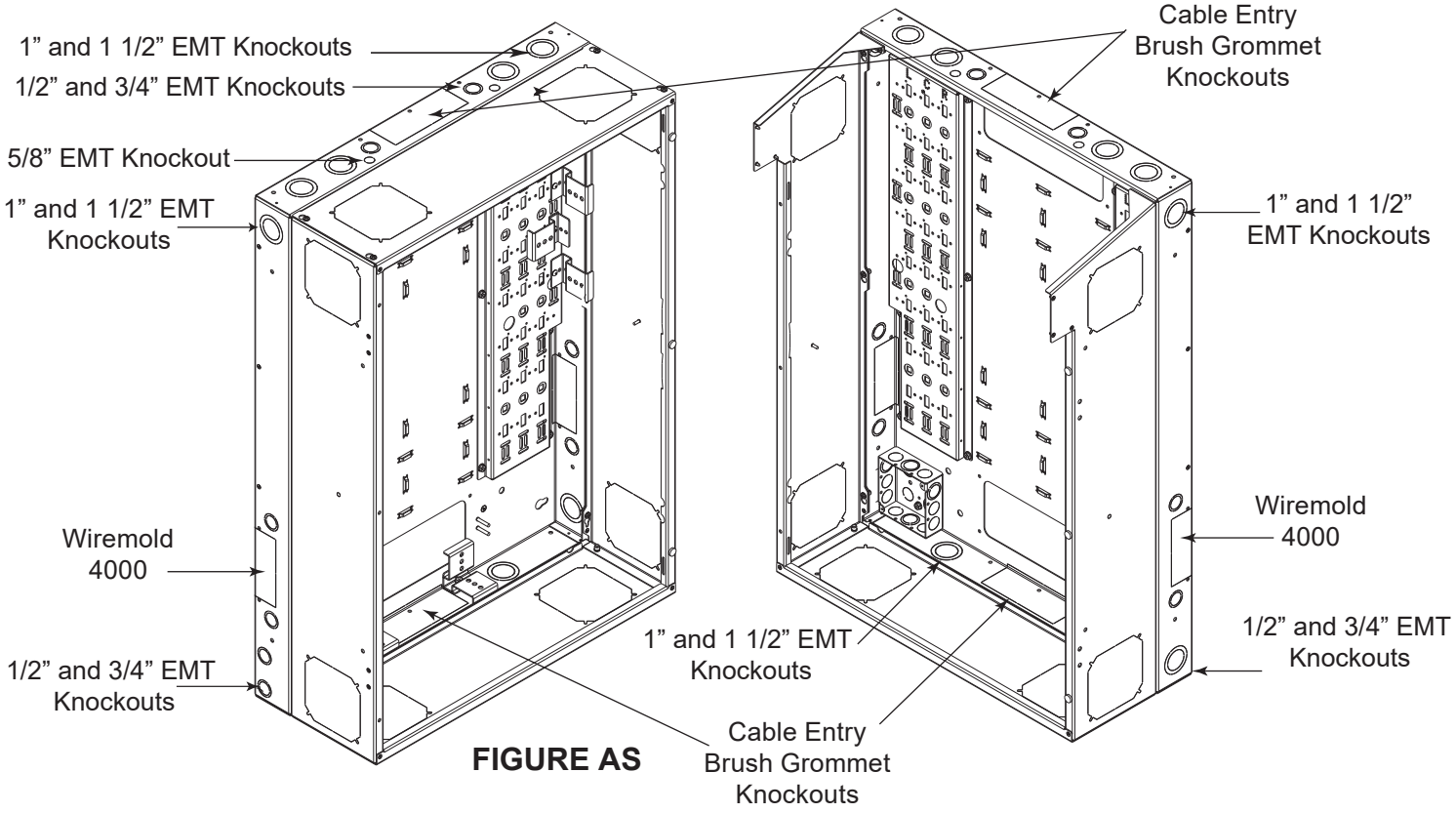


FIGURE AS

NOTE: The vent openings on the upper and lower parts of the enclosure may be used to accommodate larger cable bundles. Optional grommets (GK4 and GK-4G) may be used to protect wiring when using the vent openings. (**FIGURE AT**)

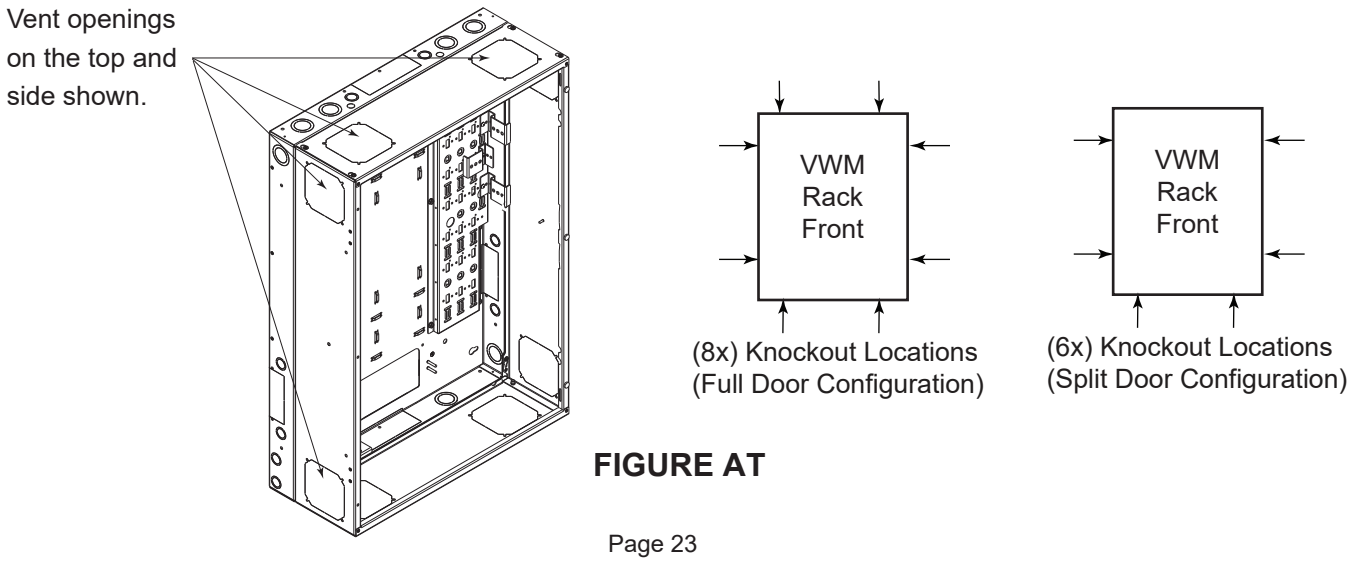


FIGURE AT

WARRANTY

For warranty information, refer to www.legrandav.com/policies/warranty_information.

Contacting Corporate Headquarters

P: (866) 977-3901 | F: (877) 894-6918 | www.legrandav.com | av.support@legrand.com

Contacting Middle Atlantic Canada

P: (888) 766-9770 | F: (888) 599-5009 | ca.middleatlantic.com | av.canada.customerservice@legrand.com

Contacting Middle Atlantic Europe, Middle East, and Africa (EMEA) Technical Support

P: +31 495-726-003 | av.emea.middleatlantic.support@legrand.com

United States (US)
Legrand | AV Headquarters
6436 City West Parkway
Eden Prairie, MN, 55344, USA

European Union (EU)
Legrand AV Netherlands
B.V. Franklinstraat 14 6003
DK, Weert, Netherlands

United Kingdom (UK)
Starline Holding Technology Ltd.
(Authorized Representative)
Unit C, Island Rd.
Reading RG2, 0RP- UK

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