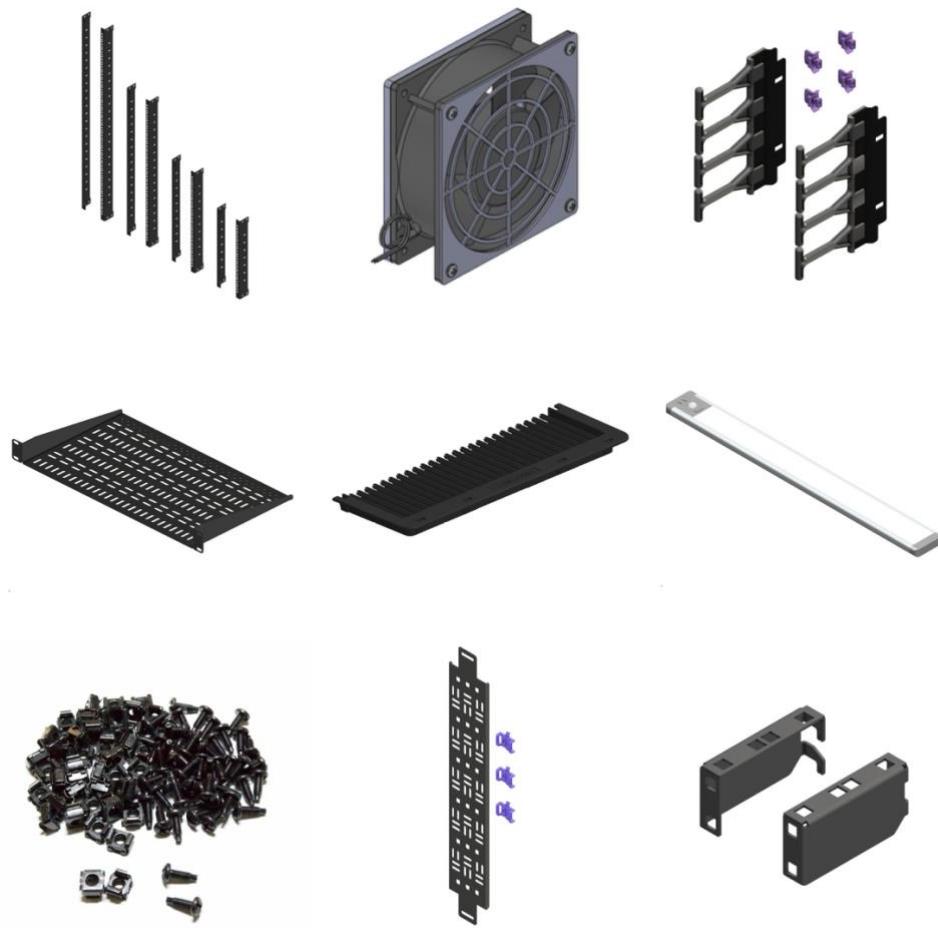




## User Manual

### InfiniRack Wall Mount Cabinet Accessories



### Legal Disclaimer

The information presented in this manual is not warranted by Enconnex to be authoritative, error free, or complete. This publication is not meant to be a substitute for a detailed operational and site-specific development plan. Therefore, Enconnex assumes no liability for damages, violations of codes, improper installation, system failures, or any other problems that could arise based on the use of this publication.

This publication has been compiled in good faith by Enconnex. However, no representation is made or warranty given, either expressed or implied, as to the completeness or accuracy of the information this publication contains.

In no event shall Enconnex's respective officers, directors, or employees be liable for any direct, indirect, consequential, punitive, special, or incidental damages (including, without limitation, damages for loss of business, contracts, revenue, data, information, or business interruption) resulting from, arising from, or in connection with the use of, or inability to use this publication or the content, even if Enconnex has been expressly advised of the possibility of such damages.

Enconnex reserves the right to make changes or updates with respect to or in the content of the publication or the format thereof at any time without notice. Copyright, intellectual, and all other proprietary rights in the content (including but not limited to software, audio, video, text, and photographs) rests with Enconnex or its licensors. All rights in the content not expressly granted herein are reserved. No rights of any kind are licensed or assigned or shall otherwise pass to persons accessing this information.

*This publication shall not be for resale in whole or in part.*

## Safety Information

---

### IMPORTANT SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS

---

This document contains important information and direction that should be followed during this product's installation, maintenance, and usage. Before installing or operating this equipment, please read all instructions, warnings, and cautions. Save this manual for future reference.



- Adding this symbol to a Danger or Warning label indicates an electrical hazard that will result in personal injury if the instructions are not followed.



- This is the safety alert symbol. It is used to alert you to potential personal injury hazards or the potential for product damage. Obey all safety messages that follow this symbol to avoid possible injury, death, or equipment damage.

#### Grounding Safety Information

	<p><b>Danger</b></p> <ul style="list-style-type: none"> <li>• Risk of electric shock hazards.</li> <li>• Failure to follow the instructions may cause possible damage, injury, or death.</li> </ul>
--	---

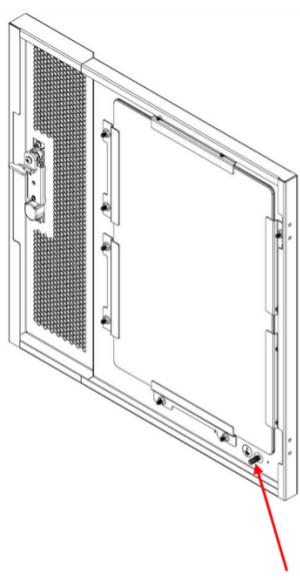
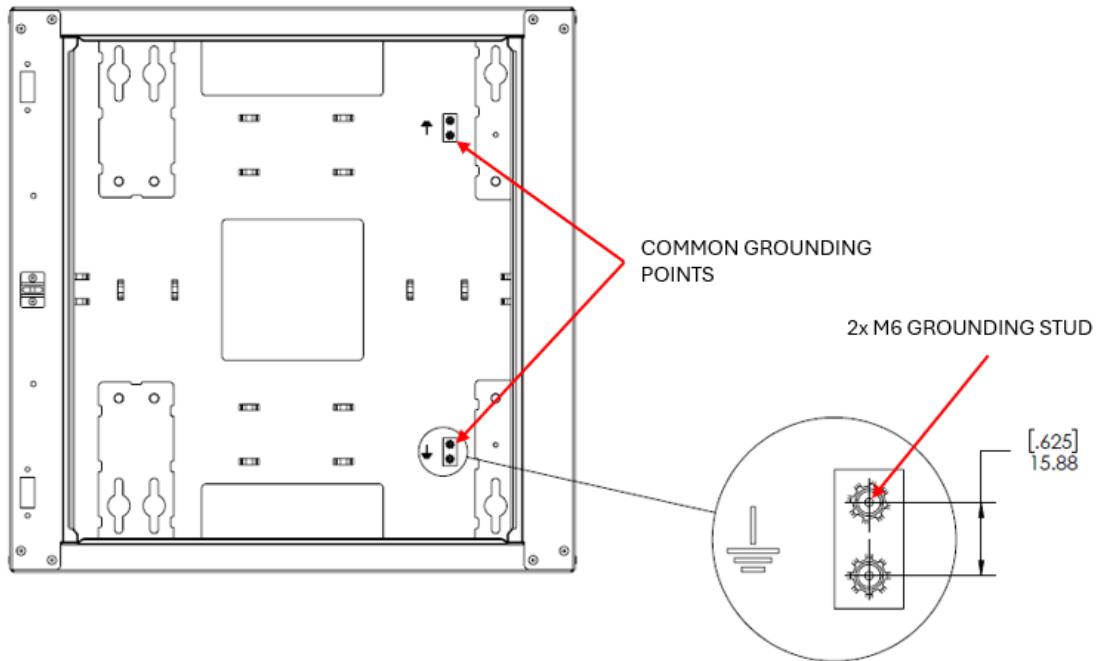
Cabinets should be bonded directly to the common ground.

- Each wall mount cabinet should be bonded using one of the designated grounding locations inside the cabinet chassis. Each location is identified with a ground symbol and has two M6 grounding studs, 0.625" (15.88 mm) center-to-center spacing.

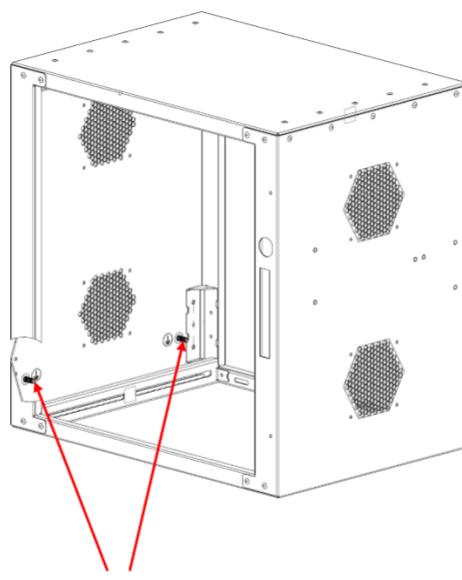
#### Internal grounding Components Included

- Factory Installed in accordance with national and local electrical codes.
- Bonding wire closed ring tongue terminal, 12 AWG, M8 (500 mm length) x 1 EA
- Bonding wire closed ring tongue terminal, 12 AWG, M8 (300 mm length) x 1 EA

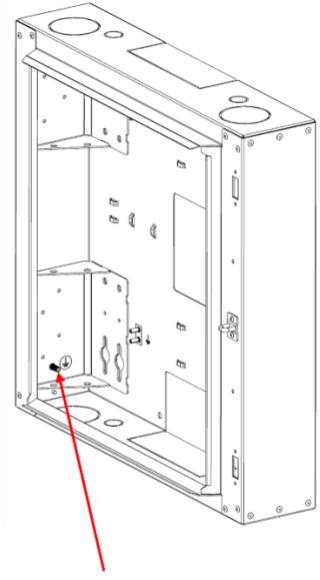
## Bonding Terminal Locations



FRONT CHASSIS BONDING TERMINAL



CENTER CHASSIS BONDING TERMINAL



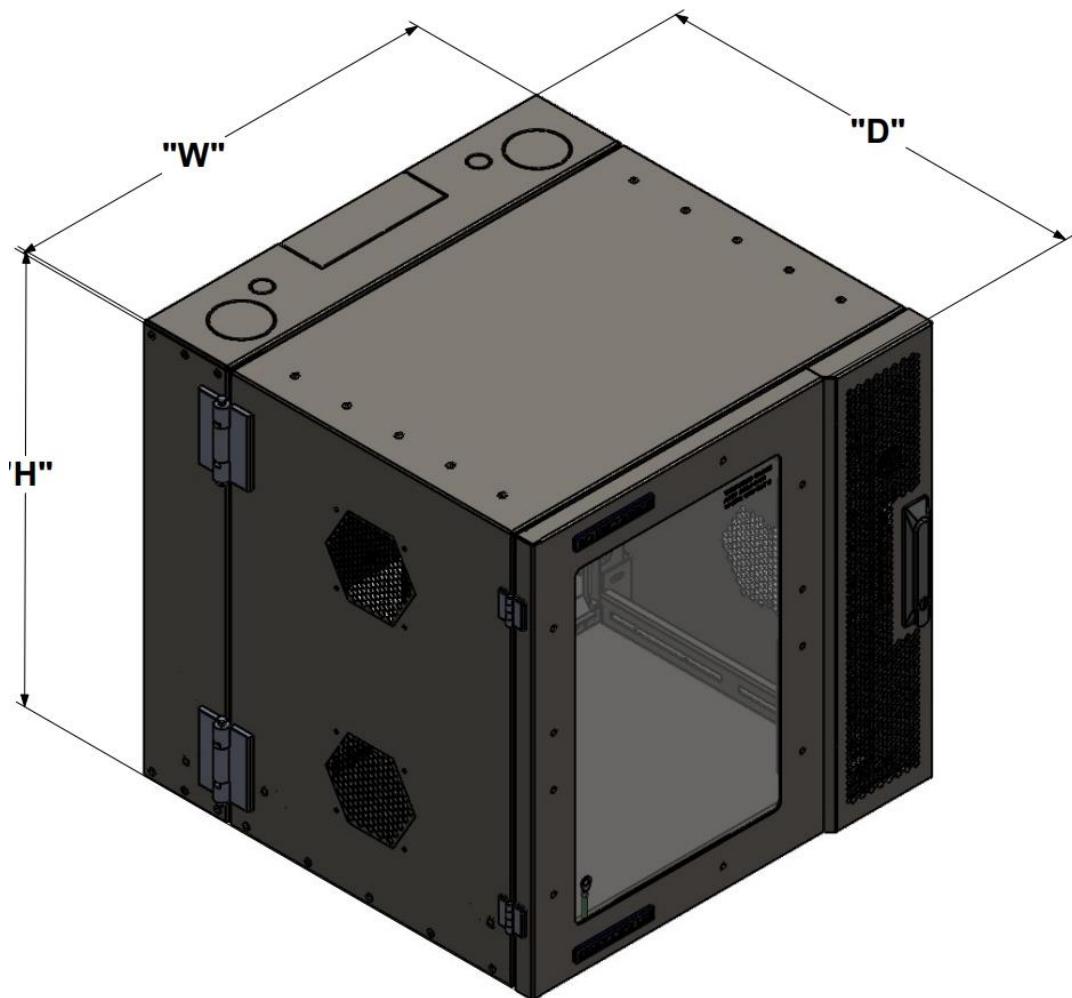
REAR CHASSIS BONDING TERMINAL

## 1. Overview and Specification

### 1.1 Introduction

The InfiniRack Wall Mount (IRWM) cabinet was built for peak performance across a diverse array of networking environments where floor space may be limited, and security is a concern. This cabinet is the result of world-class engineering combined with decades of network infrastructure problem solving. It's easily deployable, durable, and brings a robust set of features designed to ease the mind of IT managers across a variety of industries.

This manual only covers the installation of accessories for the IRWM cabinet.

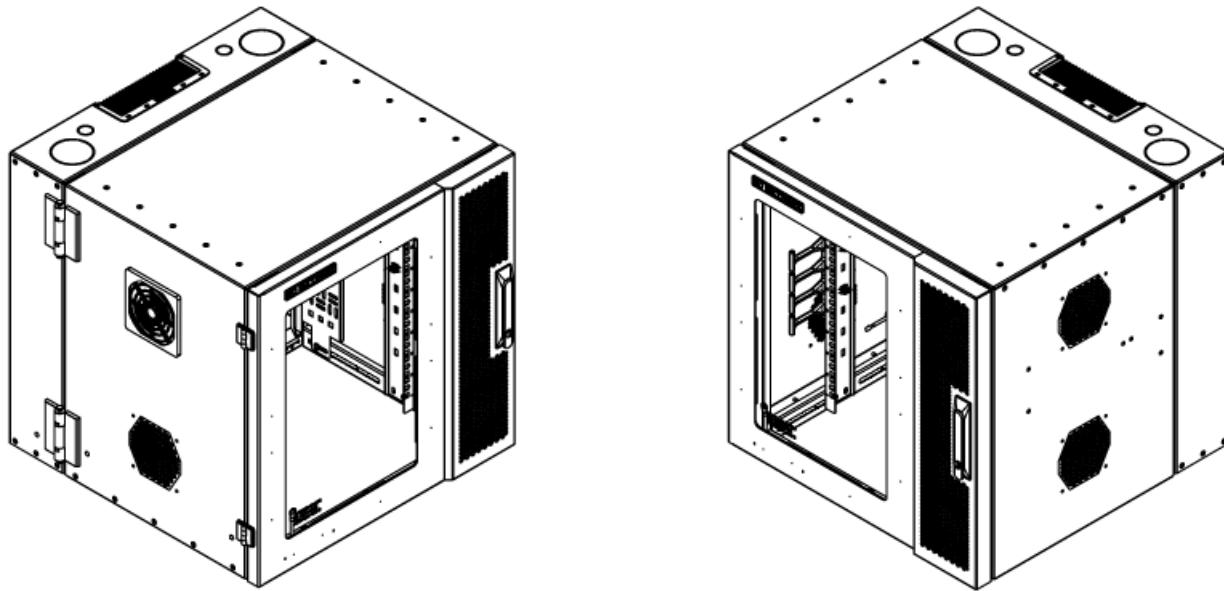


## 1.2 Size Configuration

### Size Configuration

Part Number	Usable Height	Physical Dimensions (WxDxH)	Weight	Load Rating
E150018-09B	9U	24.0"W x 18.0"D x 18.8"H (610 mm x 457 mm x 476 mm)	64 lb (29.0 kg)	120 lb (55 kg)
E150024-12B	12U	24.0"W x 24.0"D x 24.0"H (610 mm x 610 mm x 610 mm)	87 lb (39.3 kg)	200 lb (91 kg)
E150030-12B	12U	24.0"W x 30.0"D x 24.0"H (610 mm x 762 mm x 610 mm)	99 lb (44.6 kg)	200 lb (91 kg)
E150024-18B	18U	24.0"W x 24.0"D x 36.0"H (610 mm x 610 mm x 914 mm)	108 lb (49.1 kg)	200 lb (91 kg)
E150030-18B	18U	24.0"W x 30.0"D x 36.0"H (610 mm x 762 mm x 914 mm)	123 lb (55.5 kg)	200 lb (91 kg)
E150024-24B	24U	24.0"W x 24.0"D x 48.0"H (610 mm x 610 mm x 1219 mm)	132 lb (59.7 kg)	200 lb (91 kg)
E150030-24B	24U	24.0"W x 30.0"D x 48.0"H (610 mm x 762 mm x 1219 mm)	148 lb (66.7 kg)	200 lb (91 kg)

## 2. Accessory Identification



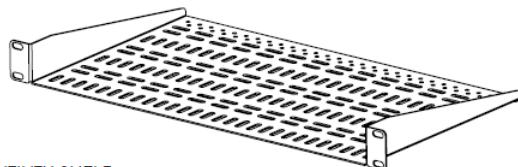
List of Accessories		
No.	Part Number	Description
1	E150003-00B	UTILITY SHELF; 19" EIA x 10.0"D (254 mm); 1U; 18 LB (8 KG) LOAD-RATING; BLACK
2	E150004-09B E150004-12B E150004-18B E150004-24B	VERTICAL MOUNTING RAIL KIT FOR INFINIRACK WALL-MOUNT CABINET; PAIR; BLACK
3	E150006-04B	VERTICAL CABLE MANAGER FOR INFINIRACK WALL-MOUNT CABINET; 4U; SHORT FINGER; PAIR; BLACK
4	E150007-09B E150007-12B E150007-18B E150007-24B	CABLE LASHING PANEL FOR INFINIRACK WALL-MOUNT CABINET; 3.75"W (95MM); BLACK
5	E150008-02B	90 DEGREE BRACKET KIT FOR INFINIRACK WALL-MOUNT CABINET; 2U x 1U; 19" EIA; BLACK
6	E150005-00B	REAR CHASSIS BRUSH KIT FOR INFINIRACK WALL-MOUNT CABINET; ONE EACH; BLACK
7	E150002-00B	FAN AND FILTER KIT FOR INFINIRACK WALL-MOUNT CABINET; 115 VAC 12W; 102 CFM (288 CM); 46 dBA AT 2800 RPM; 60"L (1.5M) POWER CORD WITH NEMA1-15 PLUG; ONE EACH; BLACK

### 3. Accessories

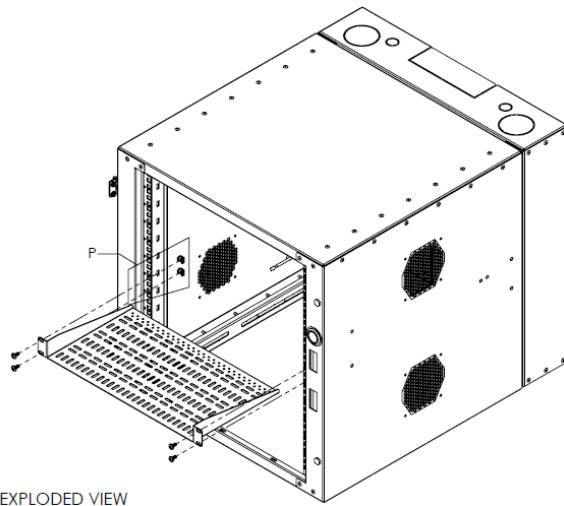
#### 3.1 UTILITY SHELF

##### INSTALLATION NOTES:

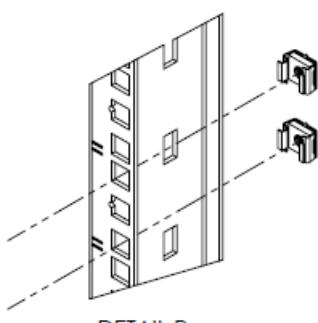
1. INSTALL THE M6 CAGE NUTS (X4) ON THE INTERIOR OF THE VERTICAL MOUNTING RAIL (X2 ON EITHER SIDE OF RAIL) AS SHOWN IN THE **DETAIL P**. (TO REMOVE THE CAGE NUTS, SQUEEZE THE SIDES TO RELEASE IT FROM THE SQUARE HOLE).
2. MOUNT THE UTILITY SHELF ONTO THE VERTICAL MOUNTING RAIL USING M6x12 SCREWS (x4) AND M6 CAGE NUTS (X4).
3. RECOMMENDED TORQUE VALUE FOR M6 SCREW IS 10N·m / 88 in-lbs.
4. MAX RATED LOAD IS 8 KG/ 18 LBS.



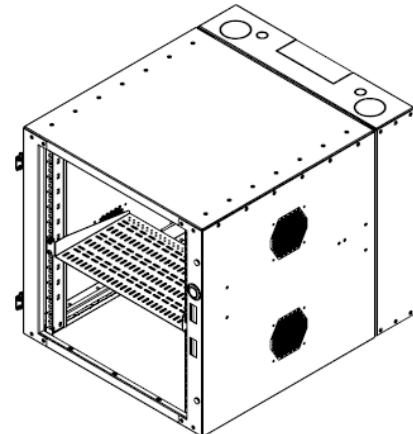
UTILITY SHELF



EXPLODED VIEW



DETAIL P

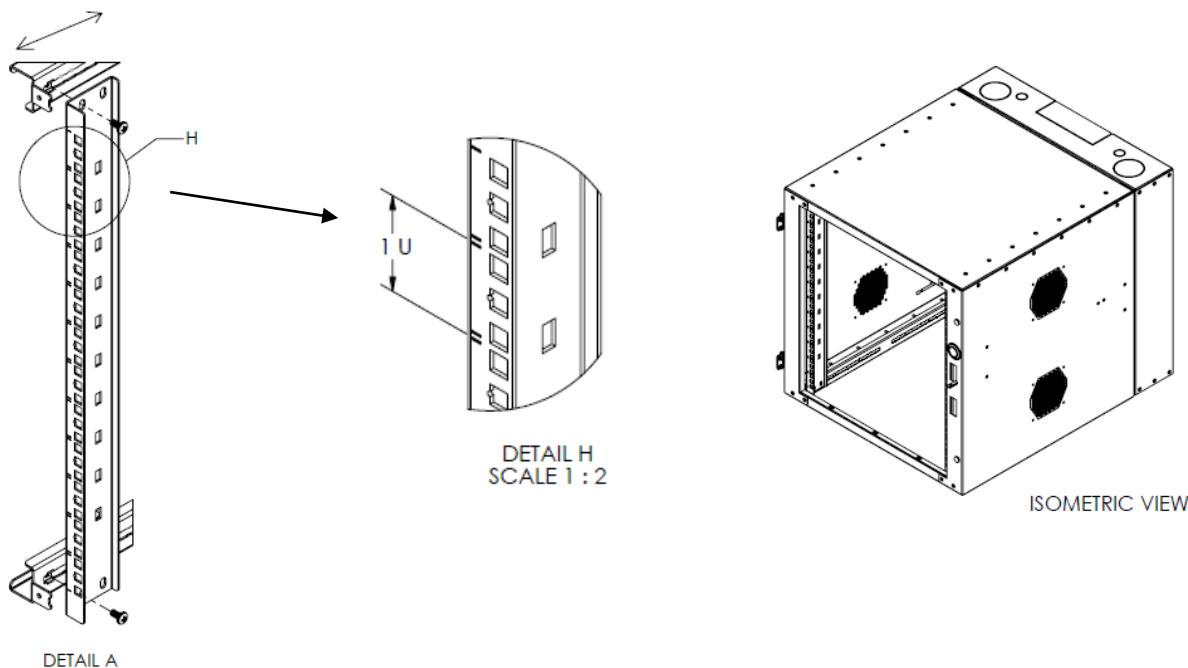
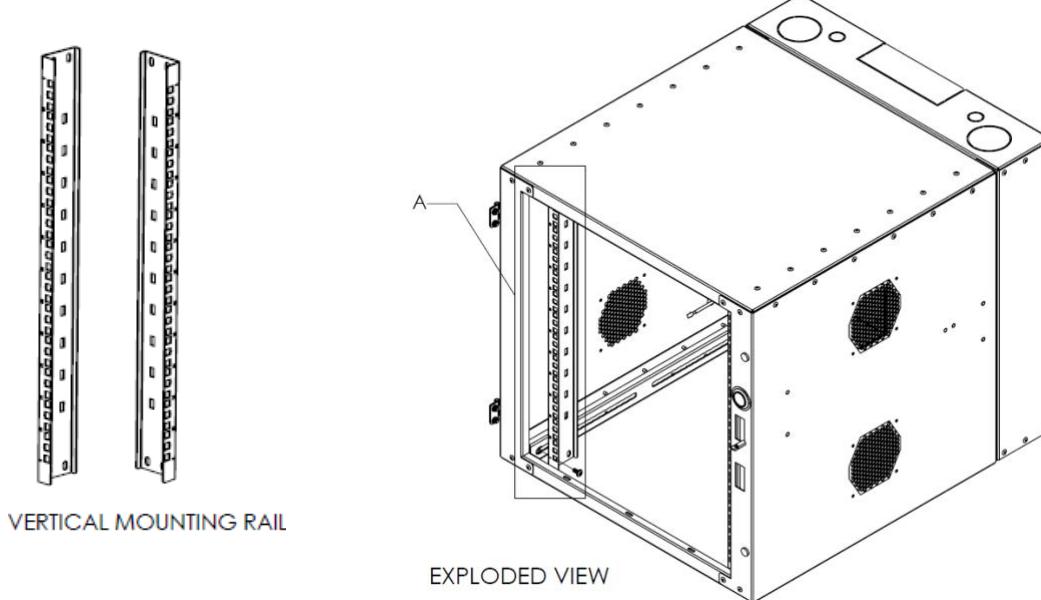


ISOMETRIC VIEW

### 3.2 VERTICAL MOUNTING RAIL KIT

#### INSTALLATION NOTES:

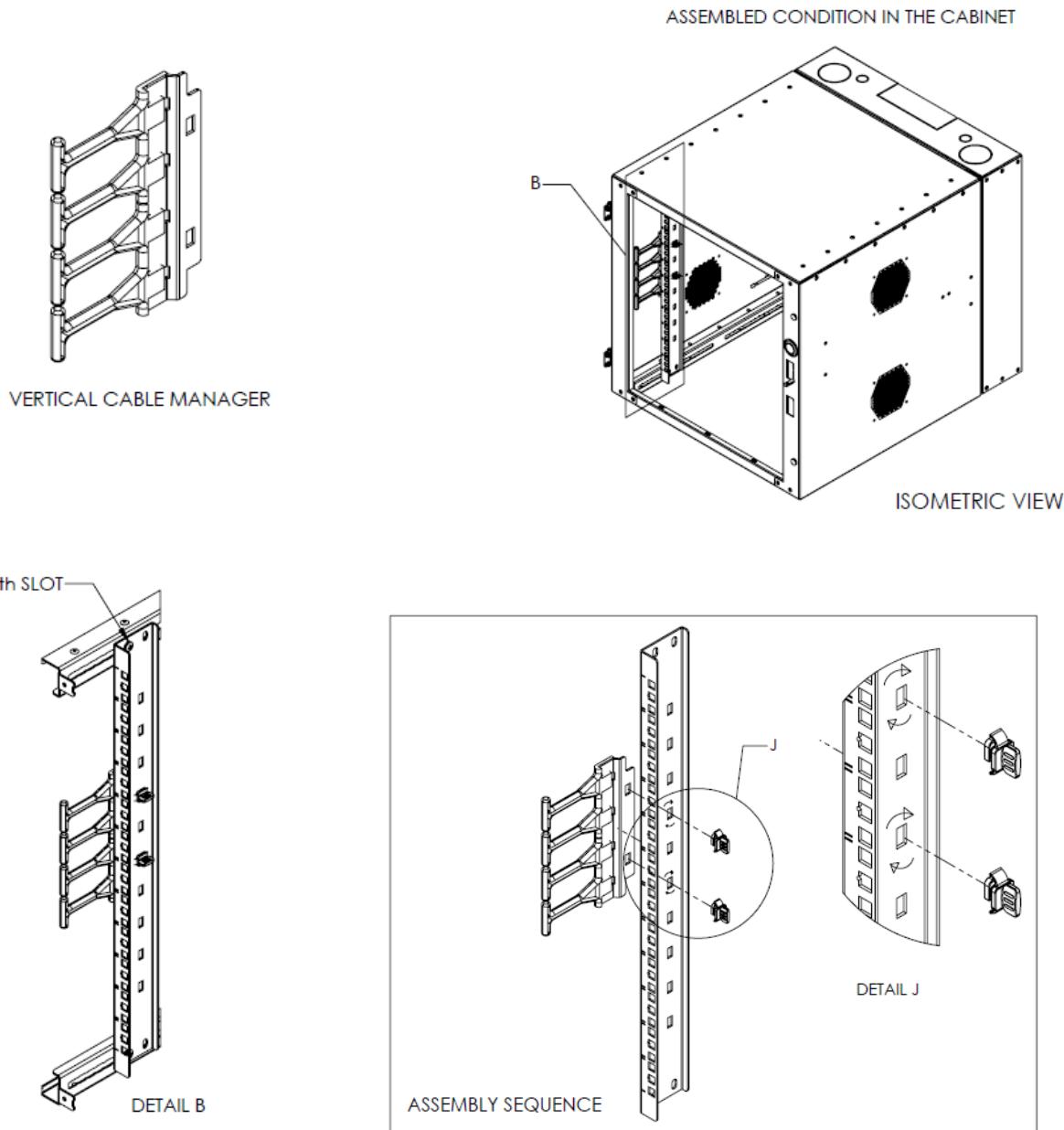
1. INSTALL THE M6 CAGE NUTS (X4) ON THE INTERIOR OF THE HORIZONTAL RAIL THAT IS (x2) ON EITHER SIDE. (TO REMOVE THE CAGE NUTS, SQUEEZE THE SIDES TO RELEASE IT FROM THE SQUARE HOLE).
2. ATTACH TWO VERTICAL MOUNTING RAIL TO EITHER SIDES OF THE FIRST SLOT ON THE HORIZONTAL RAIL USING M6x12 SCREWS (x4) AND M6 CAGE NUTS (X4) AS SHOWN IN **DETAIL A**.
3. RECOMMENDED TORQUE VALUE FOR M6 SCREW IS 10N·m / 88 in-lbs.
4. THE VERTICAL RAIL CAN BE MOVED BACK AND FORTH WITHIN SLOTS BY 0.55" PITCH BY LOOSENING THE M6 SCREWS LOCATED AT TOP AND BOTTOM.
5. 1U INCREMENTS MARKED OUT ON MOUNTING RAIL FOR EASY REFERENCE, **DETAIL H**.



### 3.3 VERTICAL CABLE MANAGER

#### INSTALLATION NOTES:

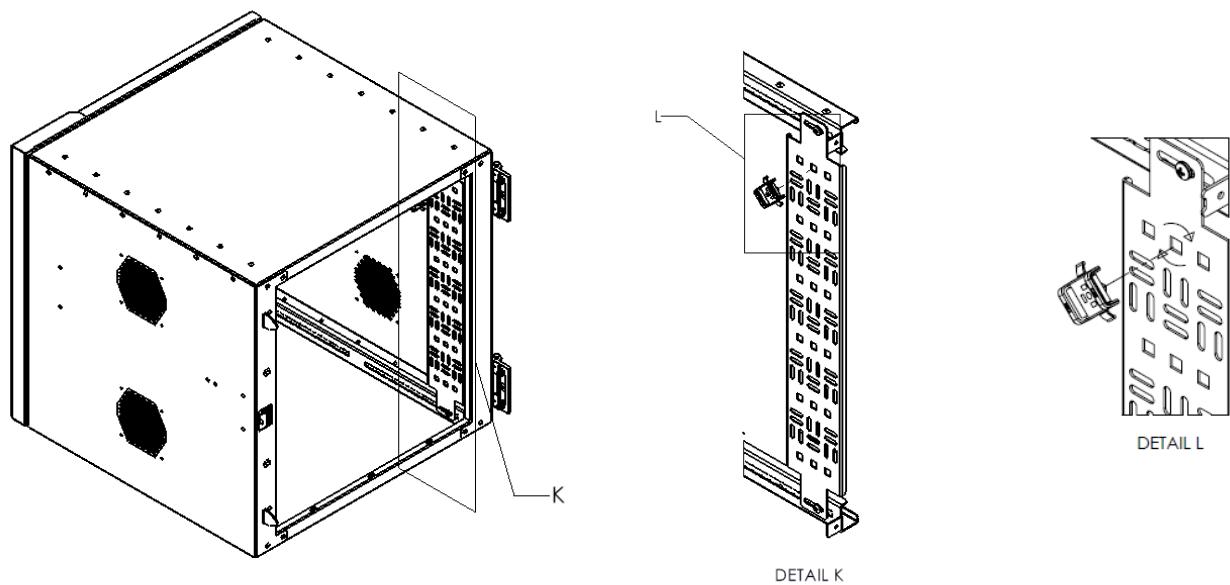
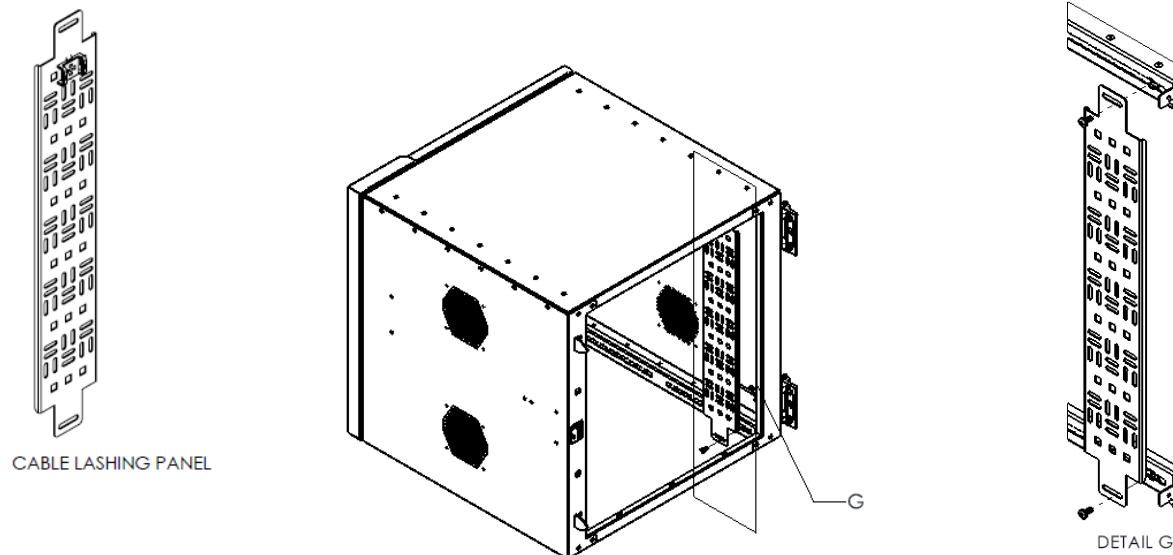
1. ENSURE THE VERTICAL MOUNTING RAIL IS SET TO AT LEAST THE 7TH SLOT POSITION AS SHOWN IN **DETAIL B**.
2. SECURE THE VERTICAL CABLE MANAGER TO THE VERTICAL MOUNTING RAIL USING TWO PURPLE CLIPS AS SHOWN IN ASSEMBLY SEQUENCE.
3. ROTATE THE CLIPS TO 90 DEGREE ANGLE FOR LOCKING AS SHOWN IN **DETAIL J**.



### 3.4 CABLE LASHING PANEL

#### INSTALLATION NOTE:

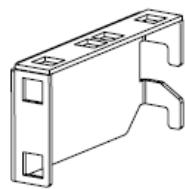
1. INSTALL THE M6 CAGE NUTS (X4) ON THE INTERIOR OF THE HORIZONTAL RAIL THAT IS (x2) ON EITHER SIDE. (TO REMOVE THE CAGE NUTS, SQUEEZE THE SIDES TO RELEASE IT FROM THE SQUARE HOLE).
2. ATTACH THE CABLE LASHING PANEL TO THE HORIZONTAL RAIL USING M6x12 SCREW (x2) AND M6 CAGE NUTS (x2) AS SHOWN IN **DETAIL G**.
3. FOR CABLE ROUTING, MOUNT THE PURPLE CABLE BUNDLE CLIPS (x3) ONTO THE LASHING PANEL AS SHOWN IN **DETAIL K**.
4. ROTATE THE CLIPS TO A 45 DEGREE ANGLE AS SHOWN IN **DETAIL L**. INSERT AND TWIST COUNTERCLOCKWISE TO VERTICAL.
5. PURPLE CABLE BUNDLE CLIPS (PN: **E140900-10P**).



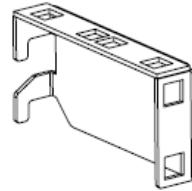
### 3.5 90 DEGREE BRACKET KIT

#### INSTALLATION NOTES:

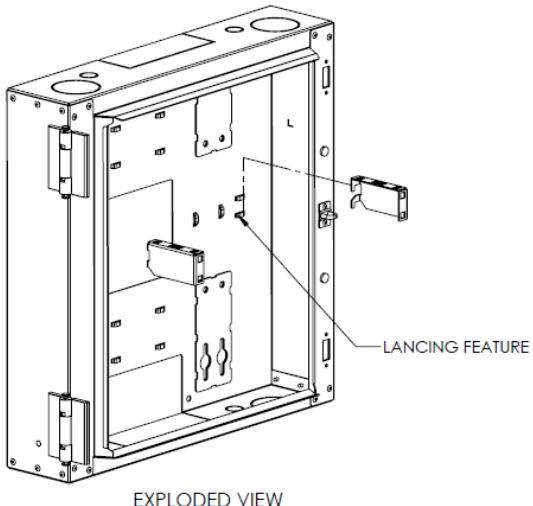
1. ATTACH 90 DEGREE BRACKET (RH AND LH) ONTO THE REAR CHASSIS BY SLIDING IT DOWN, USING THE LANCING FEATURE AS SHOWN IN EXPLODED VIEW.
2. ENSURE THE BRACKETS ARE PROPERLY LOCKED.
3. USE THE SLOTS ON THE BRACKET FOR ATTACHING CAGE NUTS.



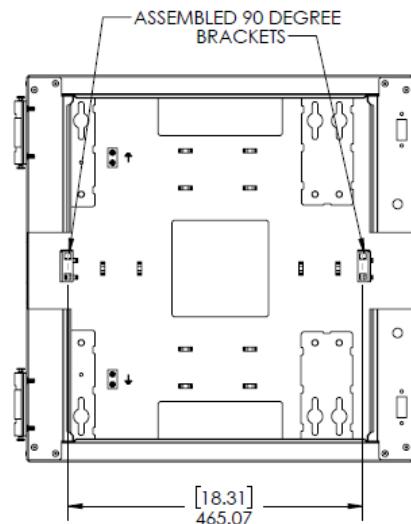
90 DEGREE BRACKET- LH



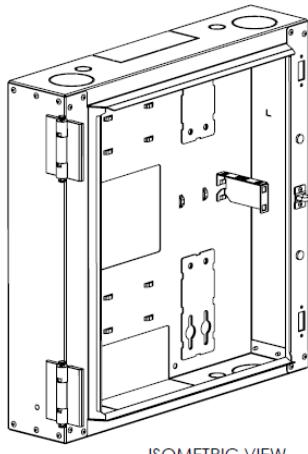
90 DEGREE BRACKET- RH



EXPLODED VIEW



FRONT VIEW

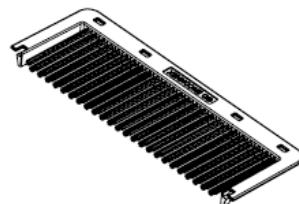


ISOMETRIC VIEW

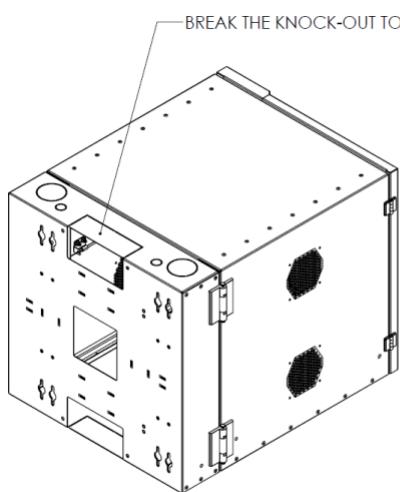
### 3.6 REAR CHASSIS BRUSH KIT

#### INSTALLATION NOTES:

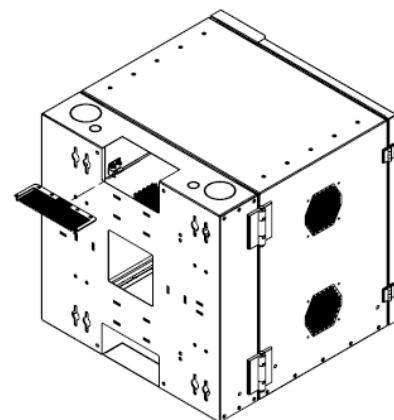
1. BREAK THE RECTANGULAR KNOCK-OUT IN THE REAR CHASSIS AS SHOWN IN ISO VIEW (1).
2. ATTACH THE BRUSH KIT INTO THE CUT-OUT AREA AS SHOWN IN THE EXPLODED VIEW AND DETAIL M.
3. ENSURE THE BRUSH IS PROPERLY FITTED AND ALIGNED.



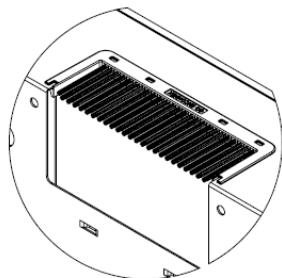
BRUSH



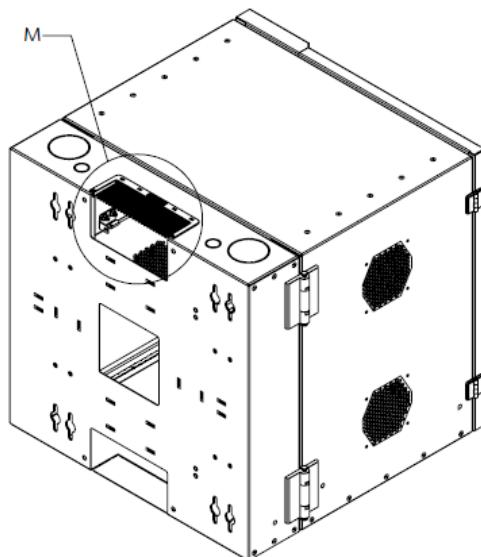
ISO VIEW (1)



EXPLODED VIEW



DETAIL M

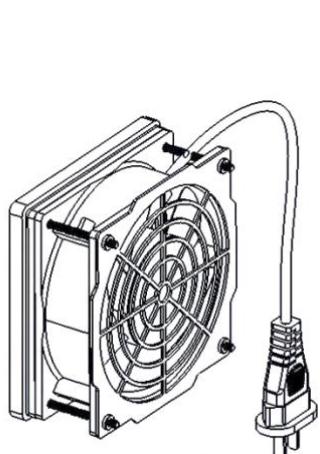


ISOMETRIC VIEW (2)

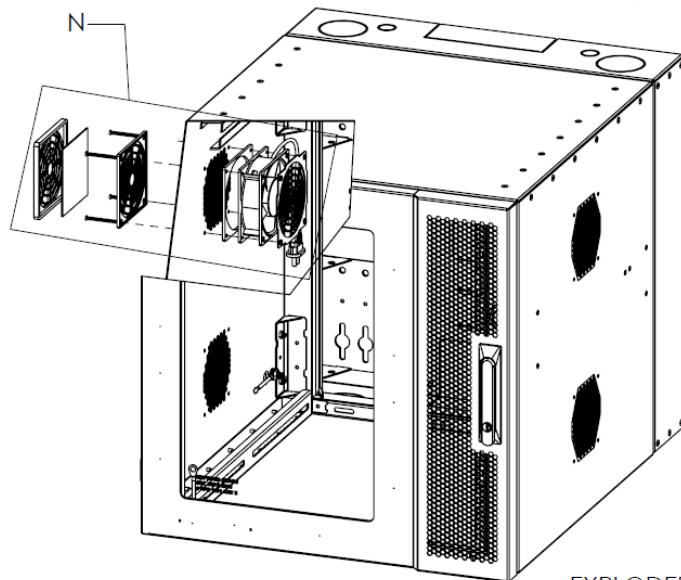
### 3.7 FAN AND FILTER KIT

INSTALLATION NOTES (FAN COMPONENTS TABLE BELOW):

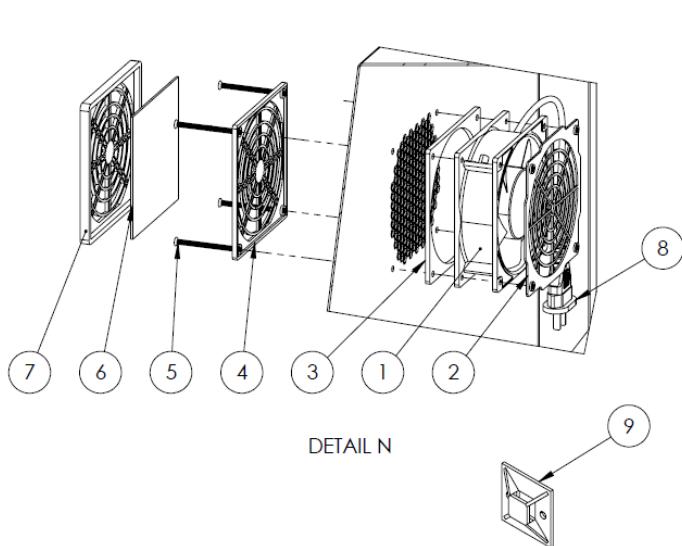
1. INSTALLING THE FAN KIT ON THE HINGE SIDE OF THE CABINET IS RECOMMENDED.
2. CONNECT THE POWER CORD (ITEM 8) TO THE FAN (ITEM 1) PRIOR TO INSTALLATION.
3. BEFORE INSTALLATION OF FILTER KIT ON THE CABINET, REMOVE THE FAN FILTER MEDIA (ITEM 6) AND FAN FILTER FRONT COVER (ITEM 7).
4. ALIGN THE FAN FILTER BACK COVER (ITEM 4) USING THE INCLUDED SCREWS (X4) (ITEM 5), FROM THE EXTERIOR OF THE CABINET, AS SHOWN IN DETAIL N.
5. POSITION THE FAN SPACER (ITEM 3) FROM INSIDE THE CABINET USING THE SCREWS.
6. ALIGN THE FAN USING SCREWS FROM INSIDE THE CABINET. ENSURE THE FAN IS ORIENTED SO THAT AIRFLOW IS DIRECTED INTO THE CABINET.
7. POSITION THE FAN FINGER GUARD (ITEM 2) ONTO THE SCREWS AND TIGHTEN. RECOMMENDED TORQUE: 5 N-m / 45 in-lbs.
8. FROM OUTSIDE THE CABINET, SNAP-FIT THE FAN FILTER FRONT COVER (ITEM 7), CAPTURING THE FAN FILTER MEDIA (ITEM 6) ONTO THE BACK COVER (ITEM 4).
9. ROUTE THE POWER CABLE TO AN APPLICABLE POWER STRIP OR PDU TO POWER THE FAN. USE THE CABLE MOUNTS (ITEM 9) PROVIDED FOR PROPER CABLE ROUTING.



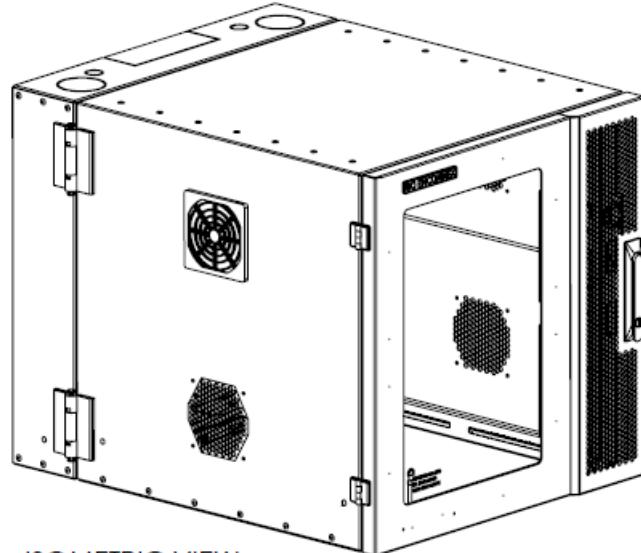
FAN AND FILTER KIT



EXPLODED VIEW



DETAIL N



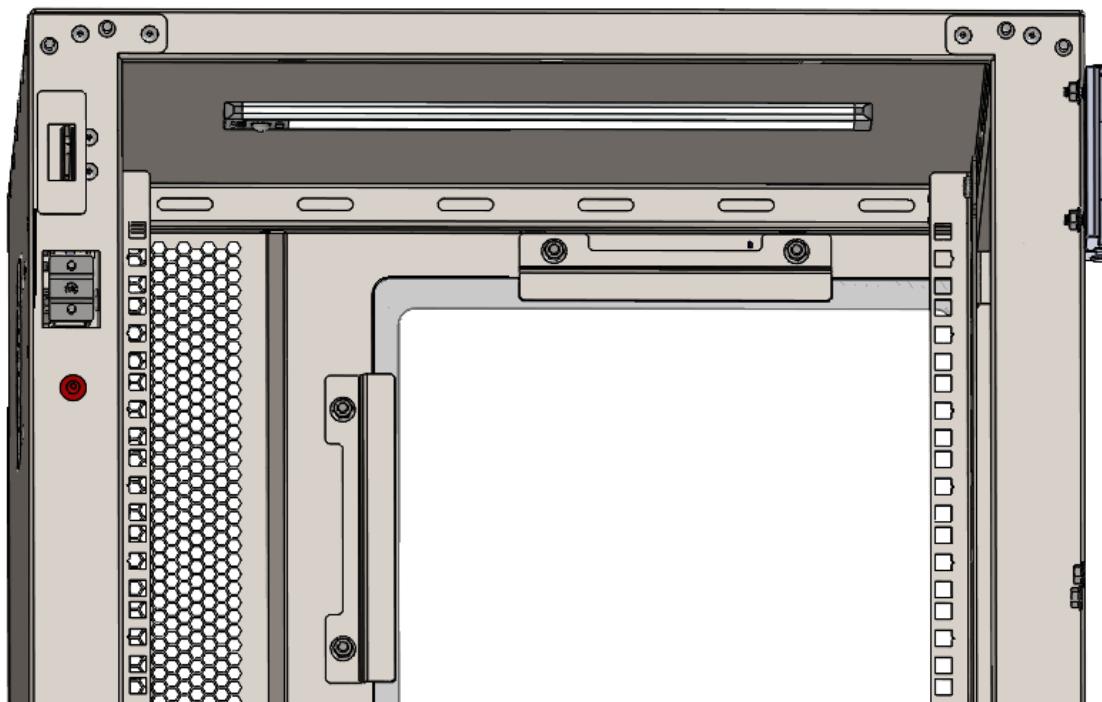
ISOMETRIC VIEW

Detail N #	Fan Components
1	FAN -120X120X38MM, 115VAC, 60HZ, 102CFM, 12W
2	FAN FINGER GUARD- 120X120X1.5MM
3	FAN SPACER- 120X120X4MM
4	FAN FILTER BACK COVER- 120X120MM
5	M4x55, CSK STEEL PHILLIPS FLAT HEAD SCREW, ZINC PLATED
6	FAN FILTER- 120X120MM
7	FAN FILTER FRONT COVER- 120X120MM
8	POWER CORD FEMALE 45 DEGREE W/ NEMA 1-15 PLUG, 1.5 METER CABLE
9	CABLE TIE MOUNT, ADHESIVE, WHITE

### 3.8LED Light Kit

#### INSTALLATION NOTES:

1. THE LED LIGHT CAN BE ATTACHED WHEREEVER THE END USER CHOOSES TO BE OPTIMAL.
2. THE LED LIGHT IS AFFIXED TO THE CABINET VIA TWO ADHESIVE METAL PADS OR DIRECTLY BY THE MAGNETIC BACK SIDE.
3. ENSURE PLUG CAN GET TO OUTLET.



## 5 Support and Other Resources

### Customer Service and Support:

- [support@enconnex.com](mailto:support@enconnex.com)
- +1 (775) 562-2138