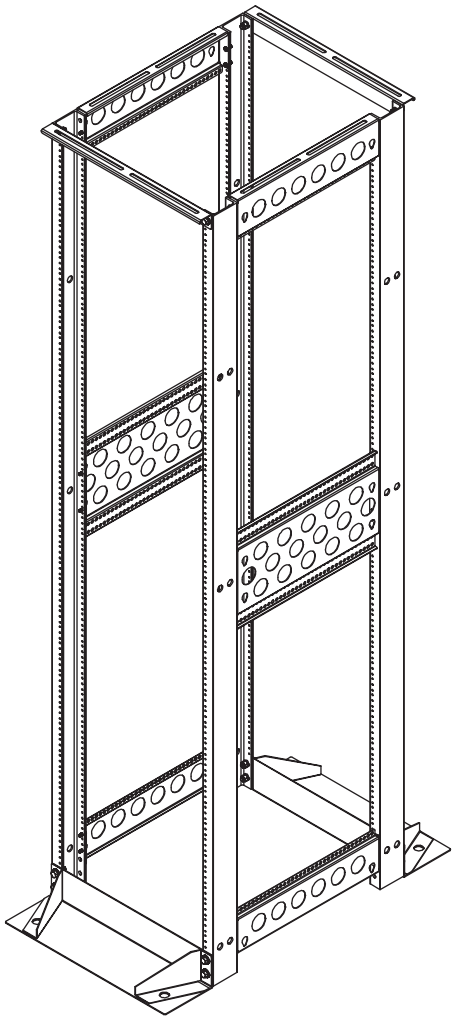
Instruction Sheet

R412 Series

Four Post Open Frame Rack



THANK YOU

Thank you for purchasing the R412 Series Open Frame Rack. Please read these instructions thoroughly before installing/assembling this product.

PRODUCT FEATURES

- Four post design provides unrestricted heat flow and access to equipment
- Four-point mounting for deeper, heavier components
- Use with optional VCD Series Vertical Cable Duct for clean, reliable cable management
- Ideal for mounting networking equipment, routers, switches and more
- Optional side panels and additional rail kits available

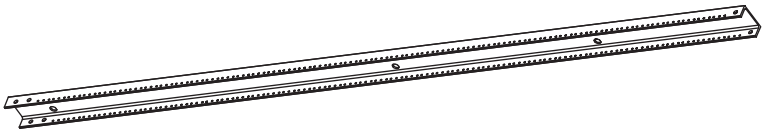
WEIGHT RATING

- 800 lbs. UL listed load capacity

Middle Atlantic Products

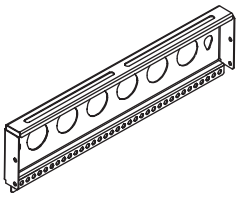
PARTS

CHANNEL



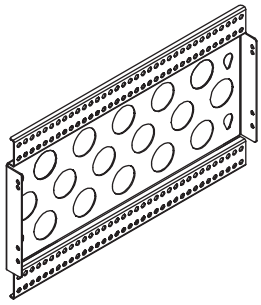
QTY 4 PART A

TOP BRACKET



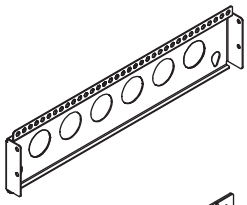
QTY 2 PART B

CENTER BRACKET



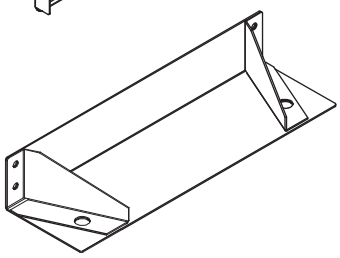
QTY 2 PART C

BOTTOM BRACKET



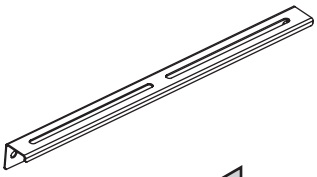
QTY 2 PART D

BASE



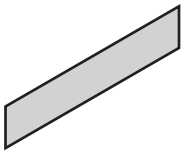
QTY 2 PART E

FRONT BRACKET



QTY 2 PART F

SQUARING PANEL



QTY 2 PART K

HARDWARE KIT (PART # 91-00176)

SIDE BRACKET SCREW



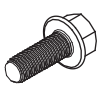
QTY 25 PART G

TOP/BOTTOM NUT



QTY 12 PART J

TOP/BOTTOM BOLT



QTY 12 PART H

HP-24 (12-24 RACK SCREWS)
FOR EQUIPMENT INSTALLATION



QTY 100

SIDE ASSEMBLY

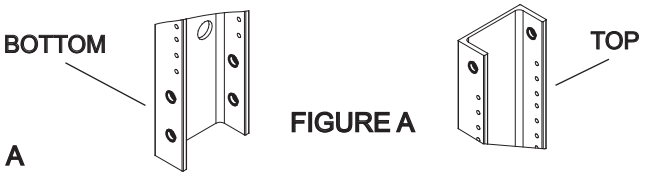


FIGURE A

Tools Required For These Steps: #2 Phillips Driver

NOTES: Bottom of Channels indicated by two mounting holes.
Top of Channels indicated by one mounting hole. FIGURE A
When installing brackets, see FIGURE B for teardrop orientation.

1) Align Top Bracket (B) with top of Channel (A). Loosely tighten Bracket Screws (G). FIGURE C
2) Align Middle Bracket (C) with the channels marked holes.
   Loosely tighten Bracket Screws (G). FIGURE D
   NOTE: 45 space rack uses the two outer holes, 38 and 51 space racks use the two inner holes on the Center Side Bracket.
3) Align Bottom Bracket (D) with the bottom of the channel.
   Loosely tighten Bracket Screws (G). FIGURE E
4) Repeat steps 1 - 3 to install a second Channel (A).
5) Fully tighten screws in all locations.
6) Repeat steps 1- 5 for the second side assembly.

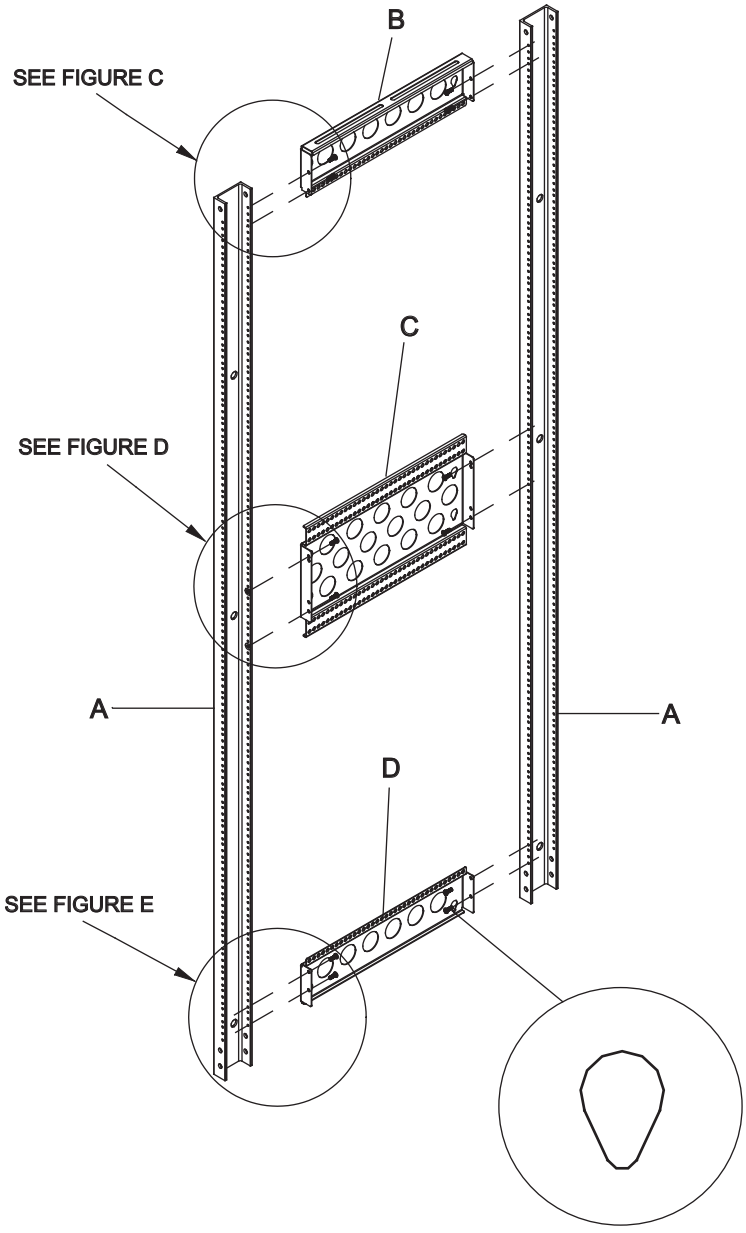


FIGURE B

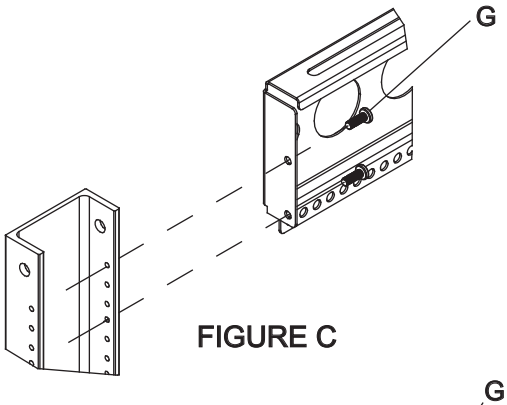


FIGURE C

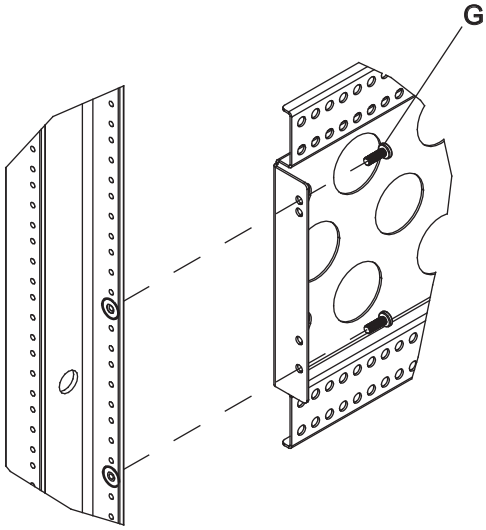


FIGURE D

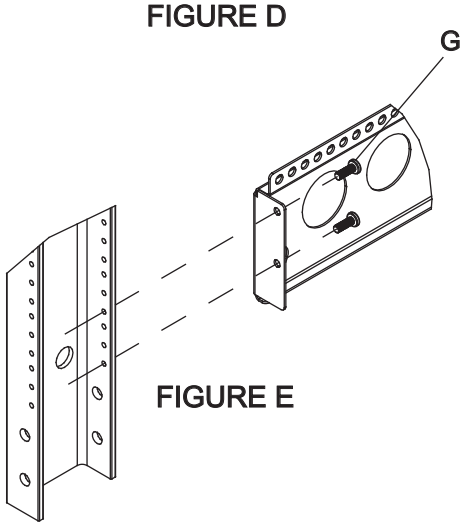


FIGURE E

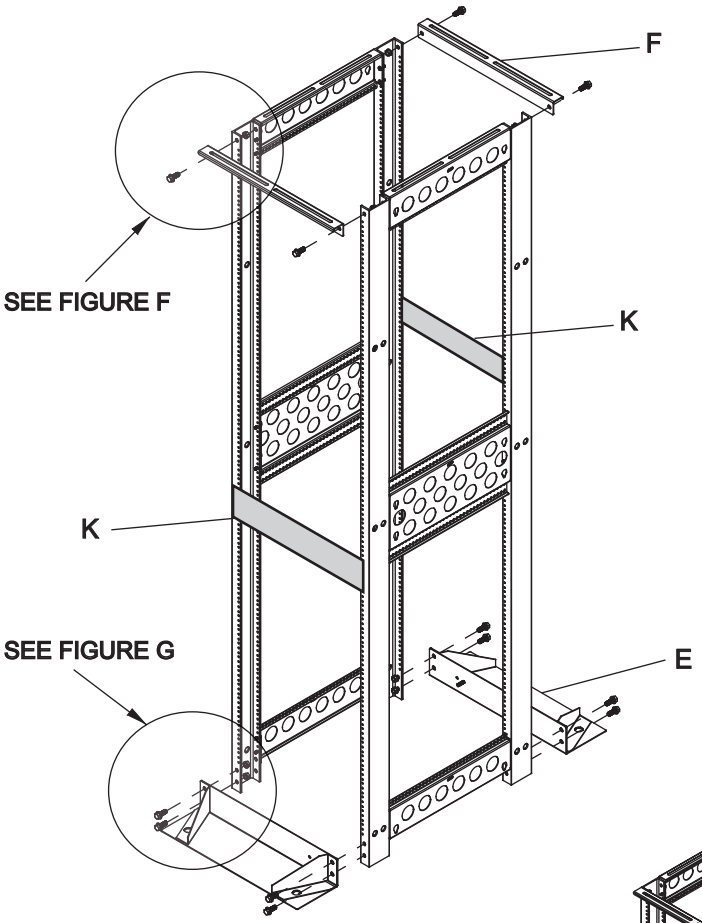
ASSEMBLY (TOP AND BOTTOM FACING OUTWARD)

Tools Required In This Step: 9/16" Wrench

TIP: Installing the Base facing outward will increase rack stability.

1) Install Front Brackets (F) and Bases (E) with supplied hardware (H & J) as shown. Loosely tighten hardware.

2) Install Squaring Panels (K).



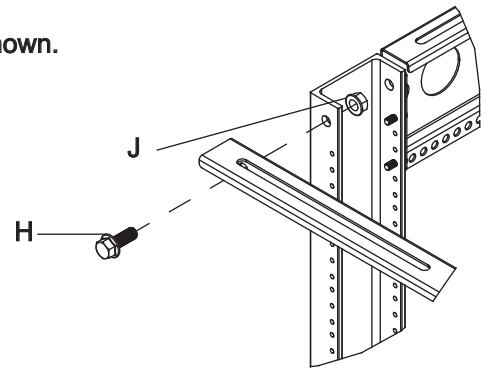


FIGURE F

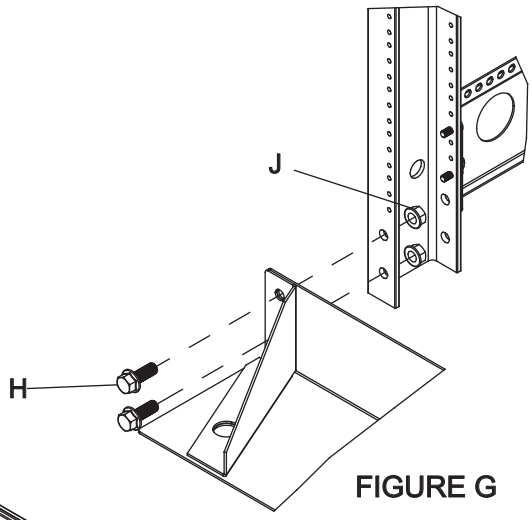


FIGURE G

3) Stand rack upright, square the assembly and fully tighten hardware. Remove the Squaring Panels. (FIGURE H)

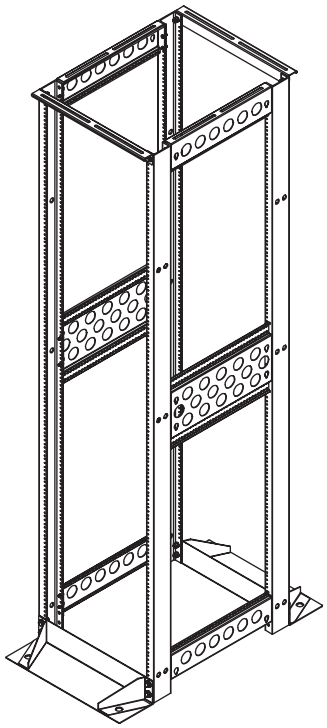


FIGURE H

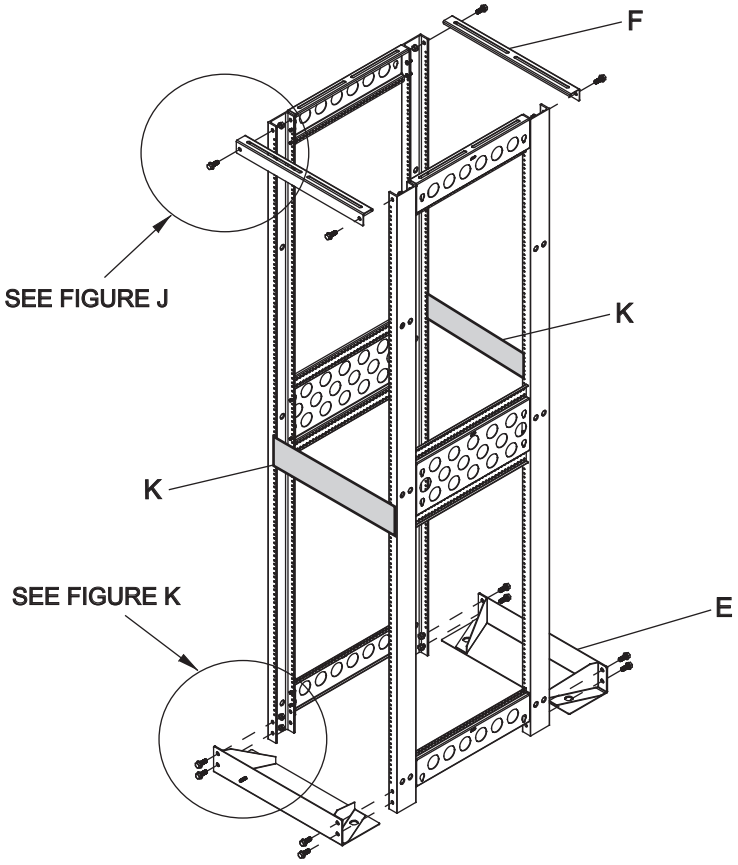
ASSEMBLY (TOP AND BOTTOM FACING INWARD

Tools Required In This Step: 9/16" Wrench

TIP: Installing the Bases towards the center of the rack saves floor space.

1) Install Front Brackets (F) and Bases (E) with supplied hardware (H & J) as shown. Loosely tighten hardware.

2) Install Squaring Panels (K).



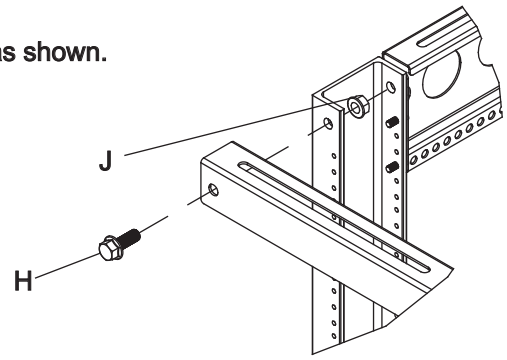


FIGURE J

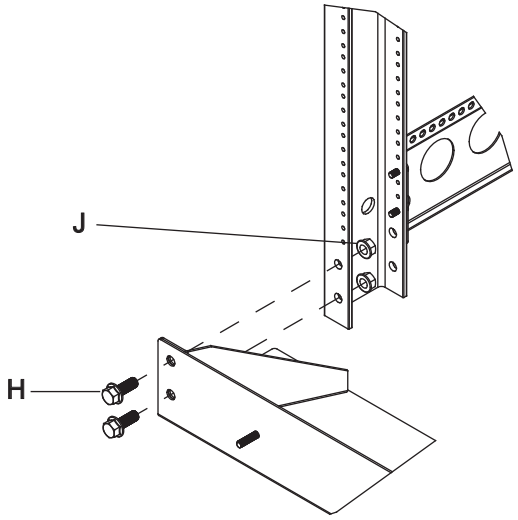


FIGURE K

2) Stand rack upright, square the assembly and fully tighten hardware. Remove Squaring Panels. (FIGURE L)

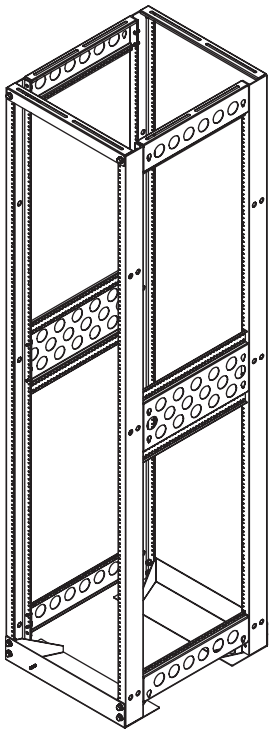


FIGURE L

WARRANTY

Middle Atlantic Products, Inc. (the "Company") warrants the R412 Series Rack to be free from defects in material or workmanship under normal use and conditions for the lifetime of the product.

The Company's entire liability to the purchaser, and the purchaser's (or any other party's) sole and exclusive remedy, under this warranty shall be limited, at the Company's option, to either (a) return of and refund of the price paid for, or (b) repair or replacement at the Company's factory of the products purchased, or any part or parts thereof, which the Company has determined to be defective after inspection thereof at the Company's factory.

This warranty does not cover damage due to acts of God, accident, misuse, abuse or negligence by parties other than the Company, or any modification or alteration of the products. In addition, this warranty does not cover damage due to improper handling, assembly, installation or maintenance.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF THE PRODUCTS PURCHASED, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE COMPANY'S LIABILITY TO THE PURCHASER (OR ANY OTHER PARTY) HEREUNDER, IF ANY, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE PRODUCTS PAID TO THE COMPANY.

Corporate Headquarters

Corporate Voice 973-839-1011 - Fax 973-839-1976
International Voice +1 973-839-8821 - Fax +1 973-839-4982
middleatlantic.com - info@middleatlantic.com

Middle Atlantic Canada

Voice 613-836-2501 - Fax 613-836-2690
middleatlantic.ca - contactcanada@middleatlantic.com

Factory Distribution

USA: NJ - CA - IL Canada: ON - BC

At Middle Atlantic Products we are always listening. Your comments are welcome.

Middle Atlantic Products is an ISO 9001 Registered Company.

30% Recycled Paper

RoHS