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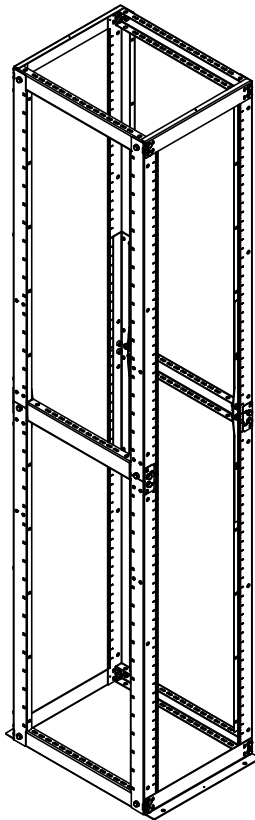
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Patent(s) Pending

## **4Post Server Rack-111 Assembly For Floor Anchored Models**



Installation Instructions

Kit P/N: 111-5215

# Safety Guidelines

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Follow these guidelines to ensure a safe and stable rack installation. Failure to follow these guidelines may result in personal injury and/or equipment damage.

1. Do not attempt to move or upright the rack by yourself. Always use at least two people to perform these tasks.
2. Always anchor the rack to the floor. Use the wedge anchors supplied with the rack.
3. Always install the heaviest rack mount equipment at the bottom of the rack.
4. Only extend one box at a time out from the rack. Extending more than one unit at a time may cause the rack to become unstable.

# Kit Contents

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## Metal Parts:

- (4) Long Vertical Rack Posts
- (4) Short Vertical Rack Posts
- (2) Front-to-Rear Middle Braces
- (4) Doubler Plates
- (4) C-Channels
- (4) Front-to-Rear Braces
- (2) Bottom Anchor Angles
- (2) Top Angles

## Fasteners:

- (44) 1/2-13 Bolts
- (12) 1/2-13 Nuts
- (44) 1/2 Washers
- (32) 1/4-20 Screw
- (1) Floor Anchor Kit w/ Drill

# Grounding Instructions

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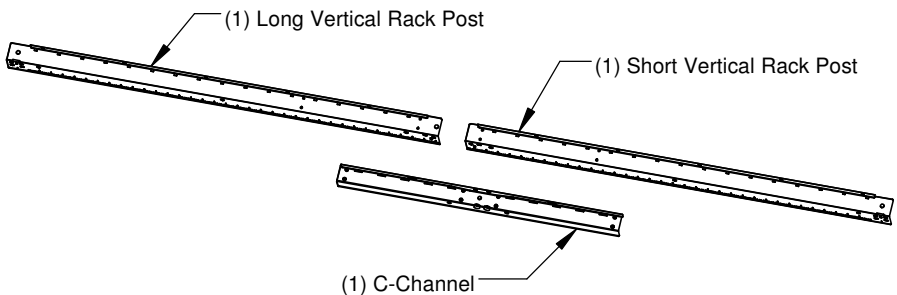


Proper installation of an equipment grounding terminal must be made and the rack must be grounded in accordance with NFPA 70, "National Electrical Code," and the applicable sections of ANSI C2, "National Electrical Safety Code."

# Assembly Instructions - Rack Posts

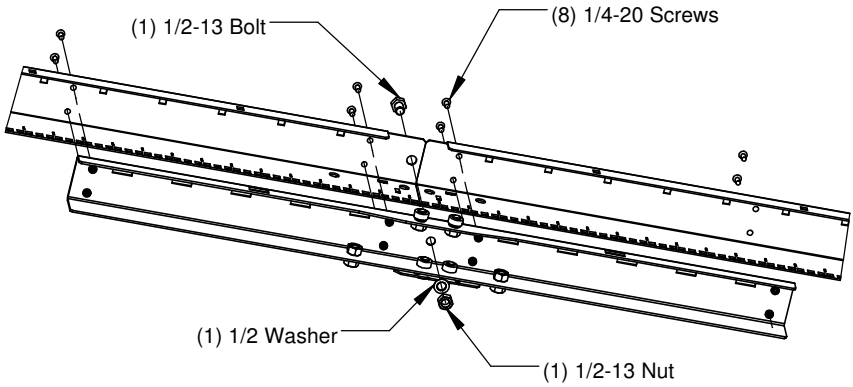
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- Step 1.** Locate (1) Long Vertical Rack Post, (1) Short Vertical Rack Post, and (1) C-Channel: Orient the Posts and C-Channels as shown below.

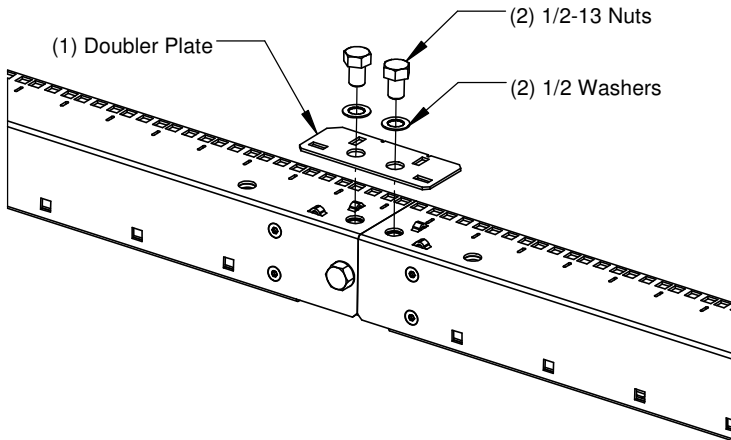


## Assemble Instructions - Rack Posts

- Step 2.** Attach the Posts and C-Channels using (1) bolt, (1) nut, (1) washer, and (8) screws:  
The washer should be installed under the nut.



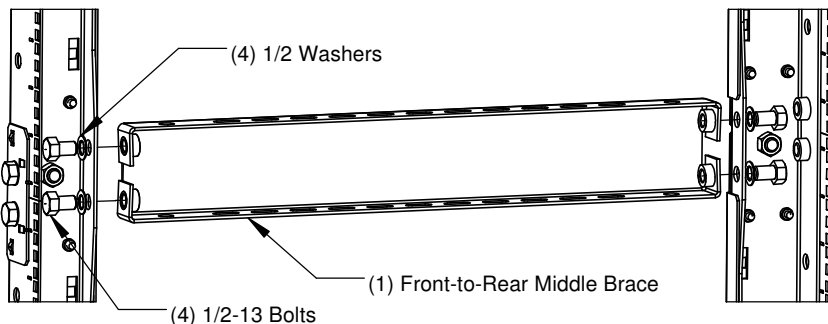
- Step 3.** Secure the Posts using (1) doubler plate, (2) bolts, and (2) washers: The washers should be installed under the bolt heads.



- Step 4.** Repeat steps 1,2, and 3 to assemble four Posts.

## Assembly Instructions - Rack Sides

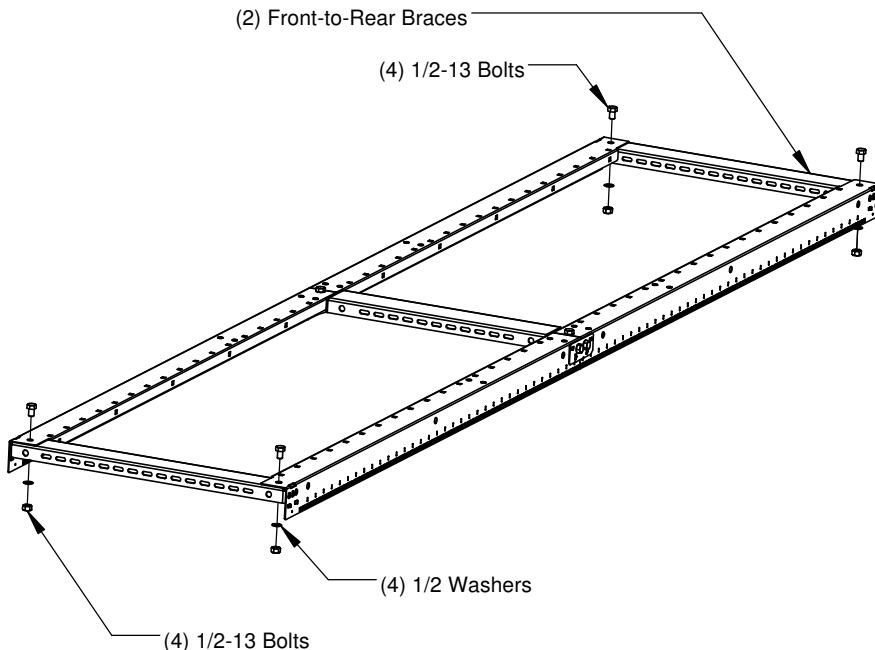
**Step 5.** Locate (4) bolts, (4) washers, (1) Front-to-Rear Middle Brace, and the assembled posts from steps 1-4: Orient the assembled Posts and Front-to-Rear Middle Brace as shown below. Attach the Posts to the Front-to-Rear Middle Brace. The washers should be installed under the bolt heads.



**Step 6.** Locate (2) Front-to-Rear Braces: Orient the Posts and Braces as shown below.

**Step 7.** Attach the four Posts and Braces using (4) bolts, (4) washers, and (4) nuts: The washers should be installed under the nuts.

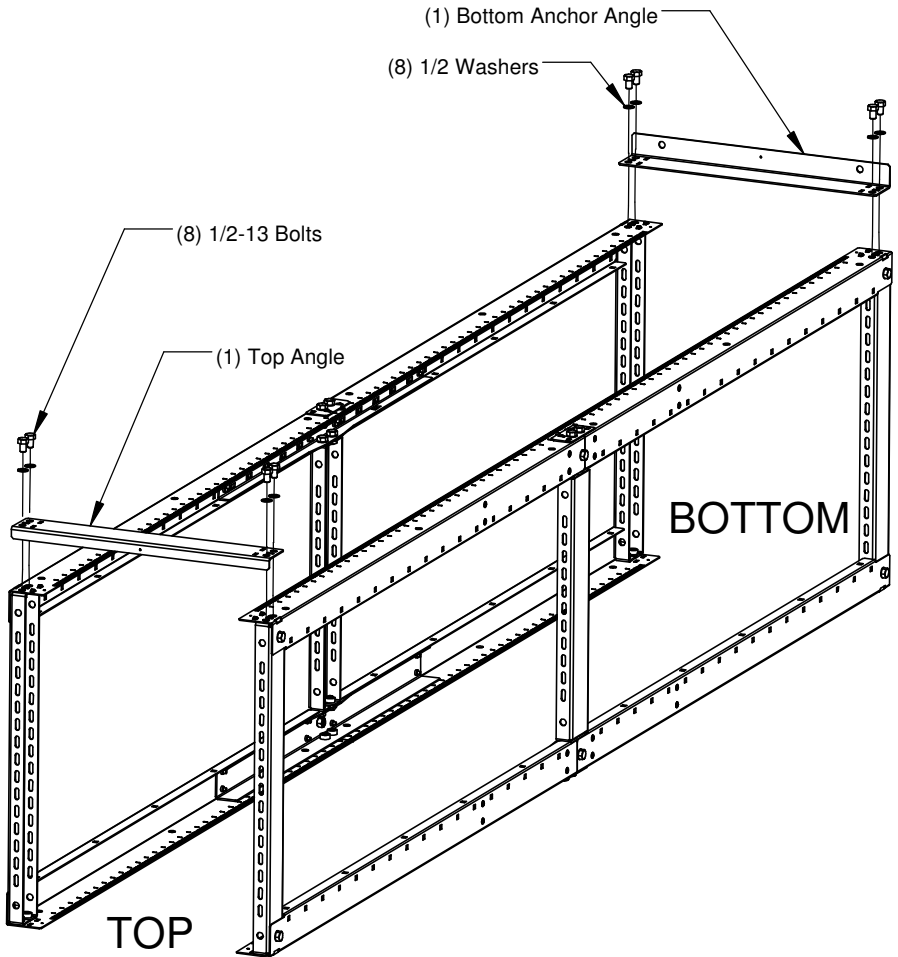
**Step 8.** Repeat steps 6 and 7 to assemble an identical second side of the rack.



# Installation Instructions - Rack Front

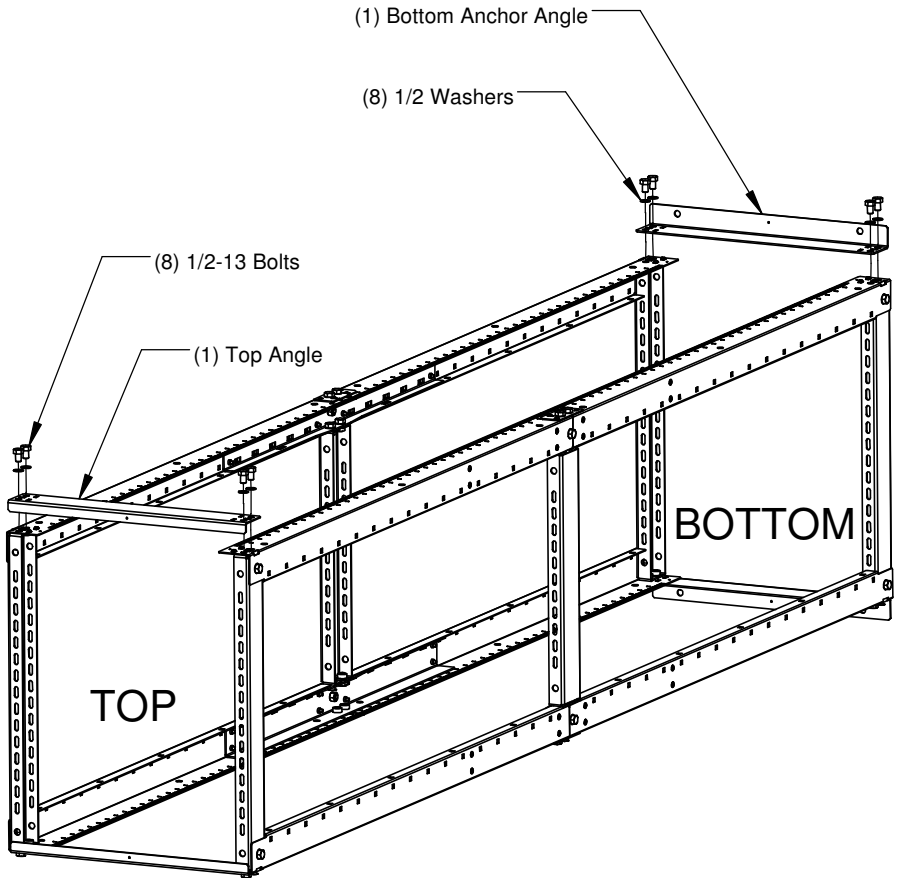
**Step 9.** Locate (1) Top Angle and (1) Bottom Anchor Angle: Orient the two sides of the rack as shown below.

**Step 10.** Attach the top and bottom angles using (8) bolts, and (8) lock washers: The washers should be installed under the bolt heads. Ensure that the slots and tabs are aligned, and then tighten each bolt completely.



# Installation Instructions - Rack Rear

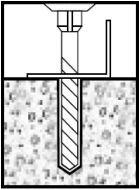
- Step 11.** Locate (1) Top Angle, (1) Bottom Anchor, and (2) Vertical Wiring Bars: Orient the partially assembled rack as shown below.
- Step 12.** Attach the top and bottom angles using (8) bolts, and (8) washers: The washers should be installed under the bolt heads. Ensure that the slots and tabs are aligned, and then tighten each bolt completely.



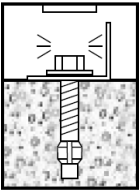
## Installation Instructions - Anchoring

**Step 14.** The rack must be anchored to the floor for safety reasons: All RACK-111 Anchored Racks ship with Trubolt Wedge Anchors and a masonry drill. Follow the steps below for anchoring the rack to the floor.

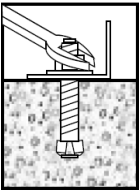
Note: Caster racks do not require anchors.



1. Using a bit whose diameter equals the anchor diameter, drill hole to any depth exceeding the minimum embedment. Clean hole.



2. Assemble anchor with nut and washer so that the top of the nut is flush with the top of the anchor. Drive anchor through material to be fastened so that nut and washer are flush with surface material.



3. Expand anchor by tightening nut 3 to 5 turns, or to 25 ft-lbs torque.

The rack shall be secured to a structurally sound level surface capable of supporting a minimum of 3000 lbs per Rack-111 and secured with the wedge anchors provided.

## Installation Instructions - General

- A. Provide the minimum spacing between the accessories/components and the housing that shall be maintained for safe operation of the equipment when installed in accordance with the National Electric Code, ANSI/NFPA 70
- B. As appropriate, all wiring and equipment should be installed in accordance with NFPA 70, "National Electrical Code," and the applicable sections of ANSI C2, "National Electrical Safety Code."
- C. The equipment shall be installed by trained service personnel. All parts such as screws, bolts, wiring and similar parts that are required to complete the assembly shall be provided. Assembly instructions shall be provided in the Installation Instructions
- D. Prior to loading any equipment into the rack, put levelers down and level the rack. The rack supports loads of up to 3000 lbs.
- E. The enclosure shall be in a Restricted Access Location and used only by trained service personnel.
- F. Ambient Temperature - The manufacturer's maximum specified ambient, (-10°C to +50°C) so that the installer may determine the acceptability of use of accessories and components that may be used in the enclosure.



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Warranty Statement

Innovation First, Inc. warrants our products against defects in material and workmanship for a period of one (1) year from the date of purchase. Innovation First, Inc. liability shall be limited to repairing or replacing, at our option, any defective product.

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