



## Adjustable Ceiling Storage Rack Model # ACR3296B

### USE AND CARE GUIDE

Questions, problems, missing parts?

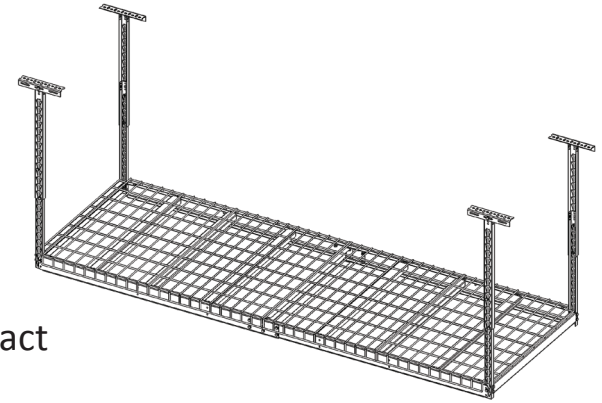
Contact our customer service department for assistance:

7 a.m. - 5 p.m., CST, Monday-Friday:

Chat: [www.edsal.com/chat](http://www.edsal.com/chat) or [www.edsal.com/contact](http://www.edsal.com/contact)

Email: [support@edsal.com](mailto:support@edsal.com)

Phone: 1-773-475-3131



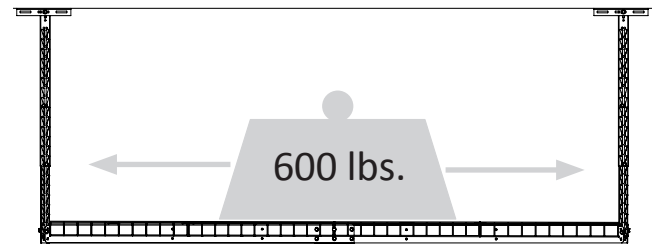
To obtain replacement parts please provide: Model Number, Part Number & Description, Store Location and Date Purchased

### Important Safety Information



**WARNING: Excessive weight hazard!** Use two or more people to move and install this rack to avoid injury. Do not leave children unattended near overhead rack. High risk of injury if installed incorrectly. Follow instructions carefully and routinely inspect your system to ensure all components are fastened securely. **DO NOT JUMP, CLIMB OR HANG FROM THIS CEILING RACK.** Never install more than one of these ceiling storage rack units on any two overhead joist supports. Use care when working with metal parts, wear gloves. Do not use this unit for anything other than the manufacture's intended purpose.

This unit has a total load capacity of 600 pounds of evenly distributed weight (not to exceed 28 lbs. per square foot), using all 8 lag bolts (included in package) anchored into **solid wood** joists or supports capable of supporting such a load. **Do not over load. Do not attempt to mount to steel beams.** Be sure overhead joists and supports are structurally sound. Edsal is not liable for structure failure, or damage or injury resulting from structure failure.

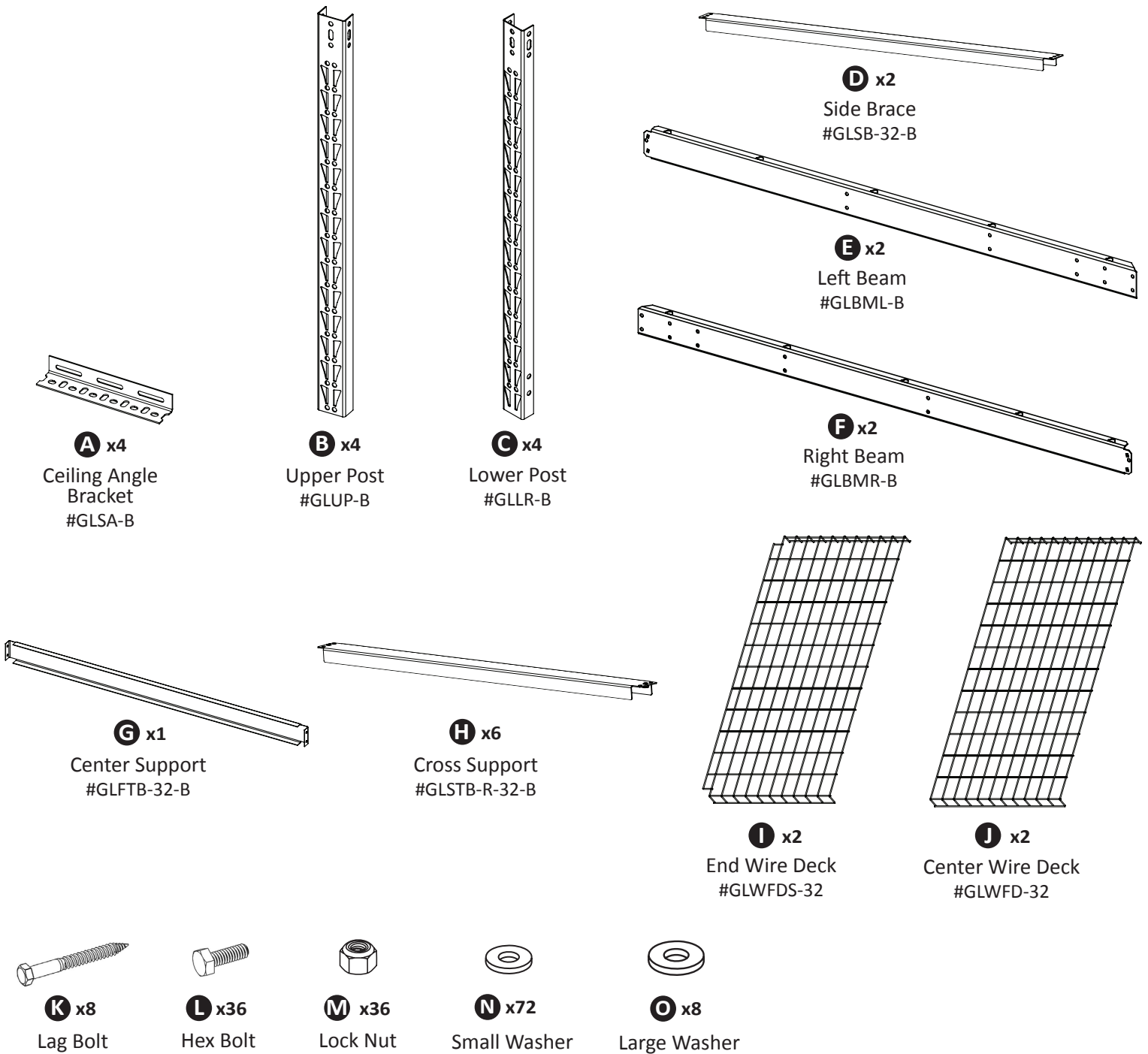


### Warranty

Edsal Manufacturing Company, Inc. products are guaranteed for a period of one (1) year from the date of purchase. The **SOLE AND EXCLUSIVE REMEDY** for such defects is the repair or replacement of a defective product or parts thereof by Edsal Manufacturing Company, Inc. or, at Edsal Manufacturing Company, Inc option, refund of the purchase price upon return of the item to Edsal Manufacturing Company, Inc.. This warranty shall not apply in the event the products are damaged as a result of misuse, neglect, accident, moisture, improper application, improper assembly, or assembly not in conformity with the instructions of Edsal Manufacturing Company, Inc., failure to abide by safety precautions prescribed by Edsal Manufacturing Company, Inc or modification or repair by persons not authorized by Edsal Manufacturing Company, Inc..

THANK YOU FOR YOUR PURCHASE

## Parts List



## Tools Required

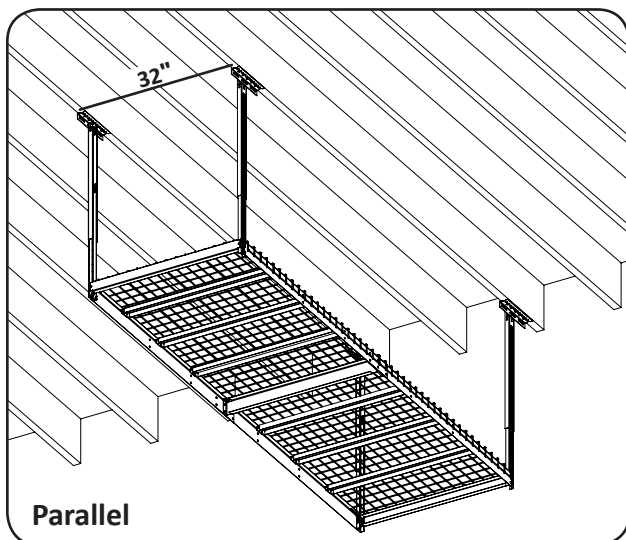


# Assembly Instructions

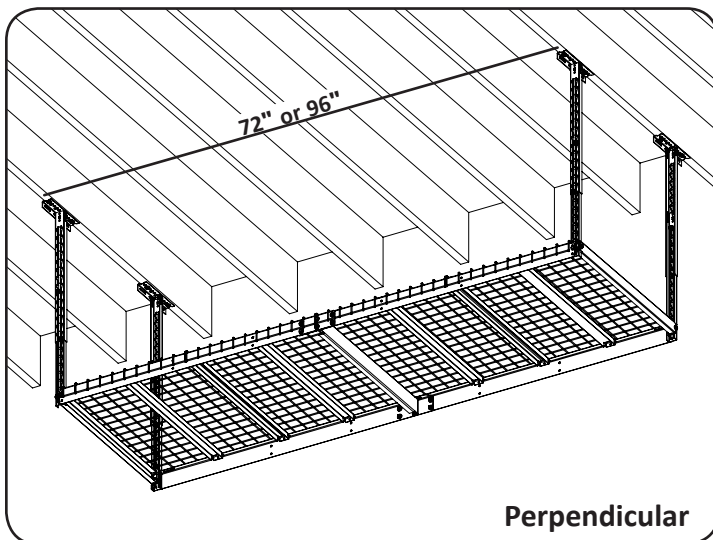
## Step 1 - Plan the Installation

Determine if your ceiling rack will be installed parallel or perpendicular to the direction of your ceiling joists. Use a stud finder to locate the joists if ceiling is finished with drywall.

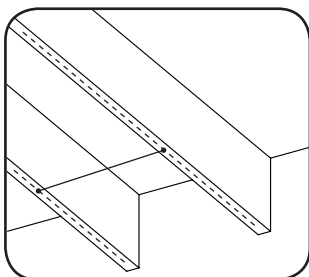
Check the spacing of your ceiling joists to ensure that they will work for the size and direction of your ceiling rack install. See note below for options if spacing is an issue.\*



For a parallel installation ensure that the ceiling joists are 32" apart.

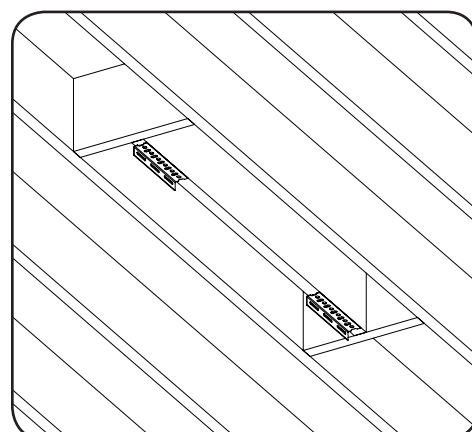
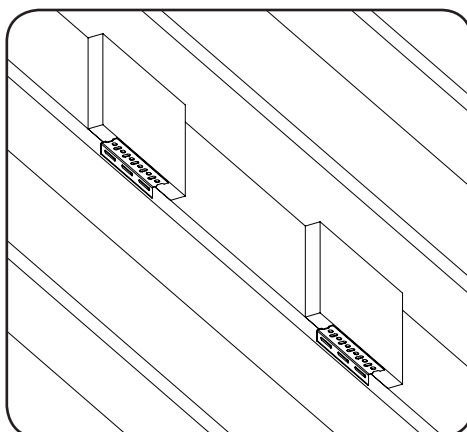
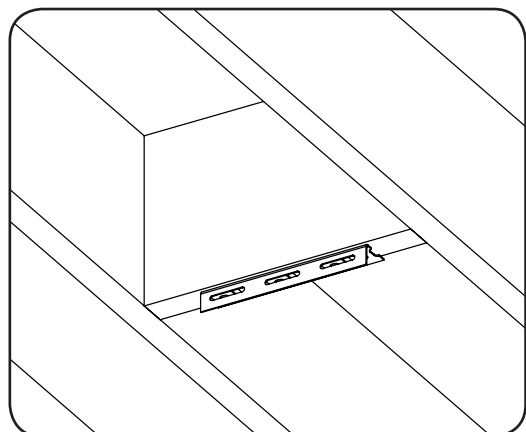


For a perpendicular installation ensure that the ceiling joists are 72" or 96" apart depending on the ceiling rack configuration that best suits your needs.



**Note:** Measure from center to center of ceiling joists using a tape measure.

**\*Note:** If the spacing of your ceiling joists does not match the desired assembled size and direction of your ceiling rack installation you will need to install an additional joist support in the correct position (not included). See below for suggested additional joist support solutions. If your unsure how to install additional joist supports, consult with your local professional contractor for assistance.

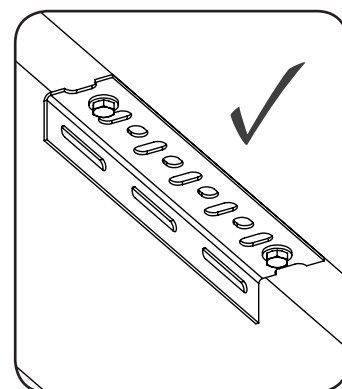
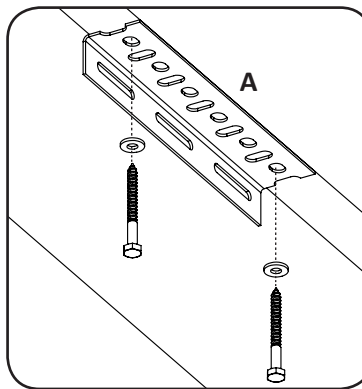
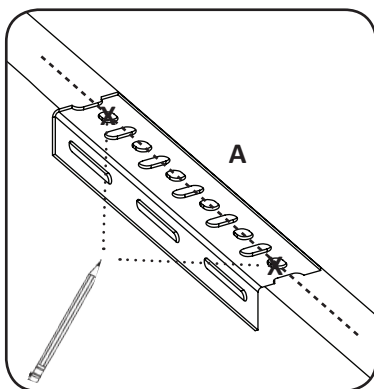
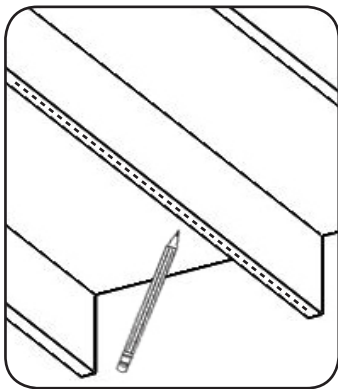


# Assembly Instructions

## Step 2 - Install Ceiling Brackets (A)

Locate and mark the center of ceiling joist with a pencil. Use a stud finder to locate the joists if ceiling is finished with drywall. Use Ceiling Angle Bracket as a template to mark the two end holes of the Ceiling Angle Bracket on the center line of the joist using a pencil. Drill pilot holes using power drill with 7/32" drill bit to the marked locations.

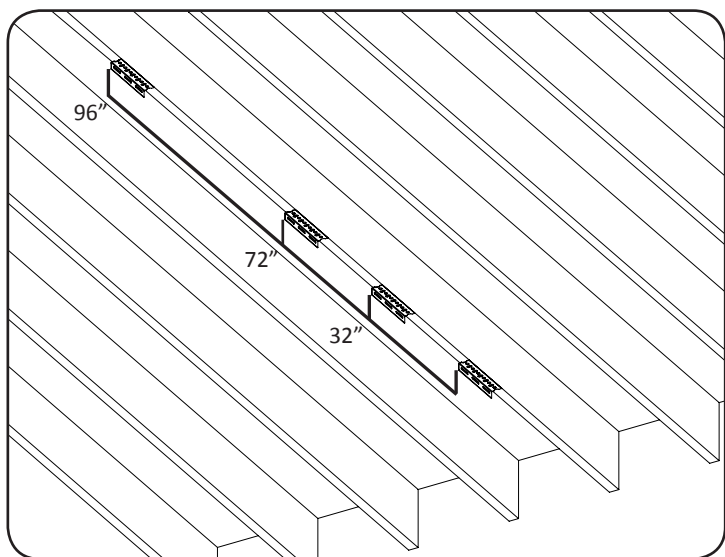
Install Ceiling Angle Bracket (A) into marked joist using two Lag Bolts (K) and two Large Washers (O) with a 1/2" socket wrench. The Lag Bolts should be installed into the two end holes of the Ceiling Angle Brackets.



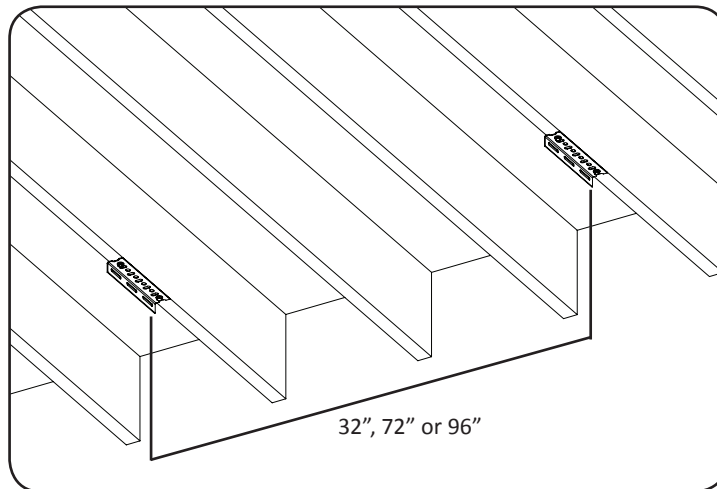
**!** *Note: Install into solid wood joists only. Brackets must be mounted perfectly in line and square to each other. Make sure the lag bolts are tight against the joist but DO NOT over-tighten the lag bolts. If they are over-tightened, the bolt could snap or the hole may be stripped.*

Depending on the ceiling rack size and orientation determined, measure 32", 72" or 96" from the installed ceiling angle bracket to determine the location of the second ceiling angle bracket along the same joist. Must be measured from the same end of the bracket. Repeat the steps to install the second ceiling angle bracket in the same orientation as the first.

For the second set of brackets, depending on desired size and orientation, measure 32", 72" or 96" from edge of installed ceiling angle bracket to the other location for the next bracket on the other joist. The bracket should be installed in the same orientation and must measure 32", 72" or 96" from same edge of each bracket. Repeat the steps to install the second set of ceiling angle brackets in the same orientation.



Must measure 32", 72" or 96" from same end of each bracket.



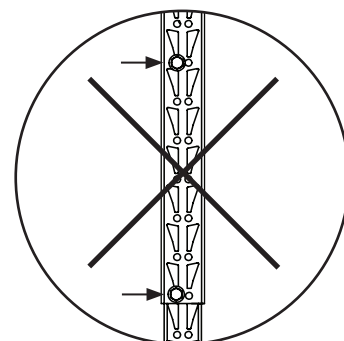
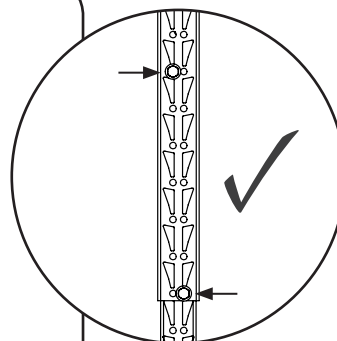
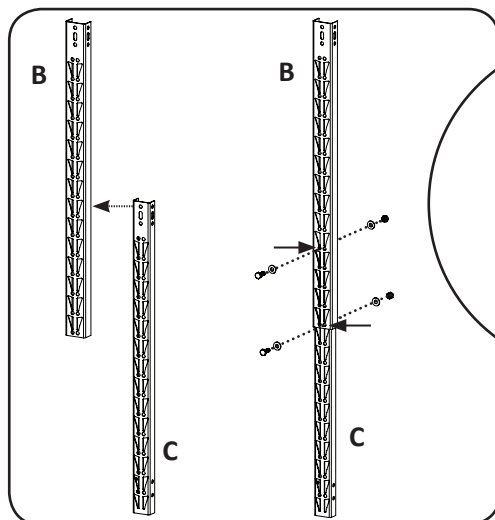
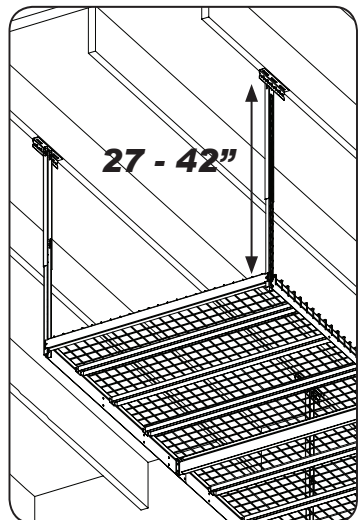
Must measure 32", 72" or 96" from same edge of each bracket.

Note: If spacing in joists do not match up to the desired assembled size and direction you will need to install an additional joists to accommodate, see page 3 for options.

# Assembly Instructions

## Step 3 - Assemble Upper and Lower Posts (B & C)

Determine desired height of ceiling rack from the ceiling to bottom of the overhead rack. Join the upper and lower post and line up the holes to the determined height. Bolt Upper Post (B) to Lower Post (C) using two Hex Bolts (L), two Lock Nuts (M) and four Small Washers (N). Bolt at the top hole location of the lower post and at the bottom hole location of the upper post where they overlap. Each bolt assembly should be on opposite holes. Repeat assembly for the remaining three Upper Post (B) and Lower Post (C) at the same height.

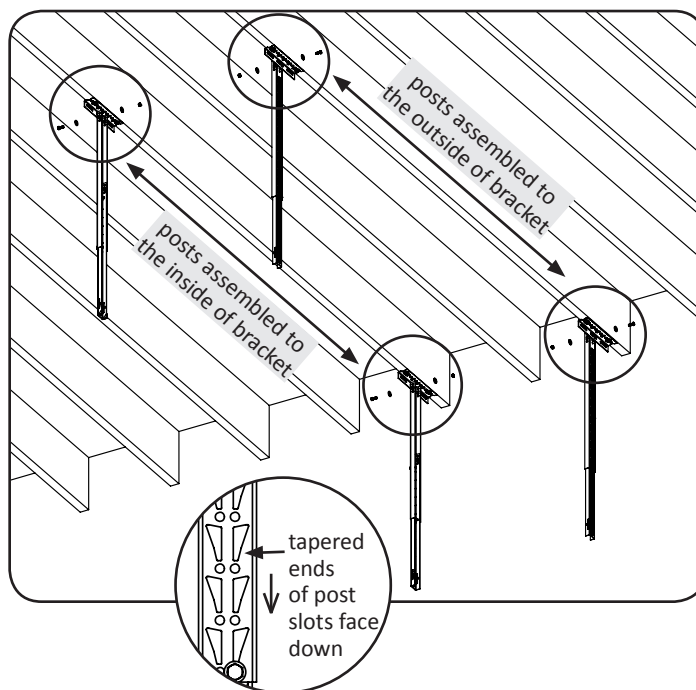
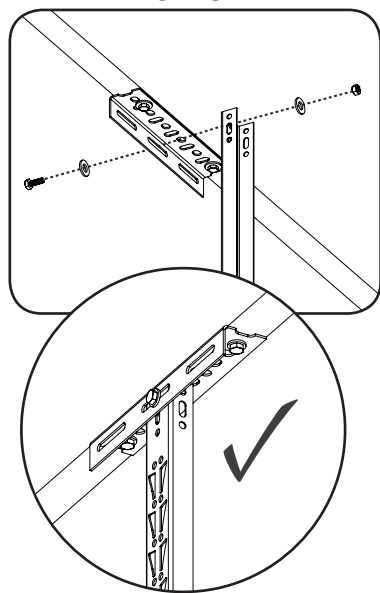


**Note:** Must be bolted at the highest point and lowest point of the two posts and at opposite holes.

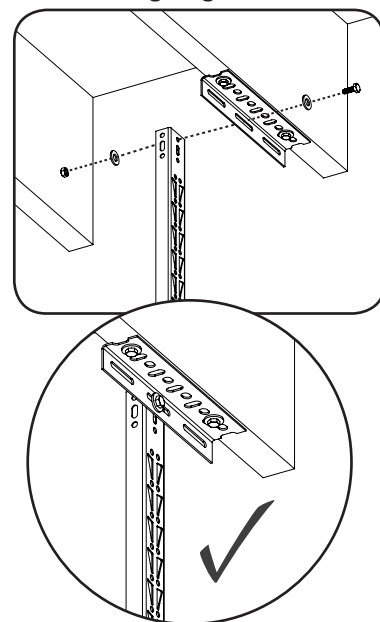
## Step 4 - Install Post Assemblies

**For Parallel Assembly:** Bolt one post assembly to the inside of the installed ceiling angle bracket through the center hole using one Hex Bolt (L), one Lock Nut (M) and two Small Washers (N). The tapered ends of the post slots must be facing down. Repeat Post assembly installation to the Ceiling Angle Bracket located on the same joist in the same manner and orientation. For the other two remaining Post Assemblies, installation will be on the outside of the ceiling angle bracket. Bolt one each of the post assembly to the outside of the other two installed ceiling angle brackets located on the other joist using one Hex Bolt (L), one Lock Nut (M) and two Small Washers (N) for each post assembly. The tapered ends of the post slots must be facing down.

Post Assembly to the inside of Ceiling Angle Bracket



Post Assembly to the outside of Ceiling Angle Bracket

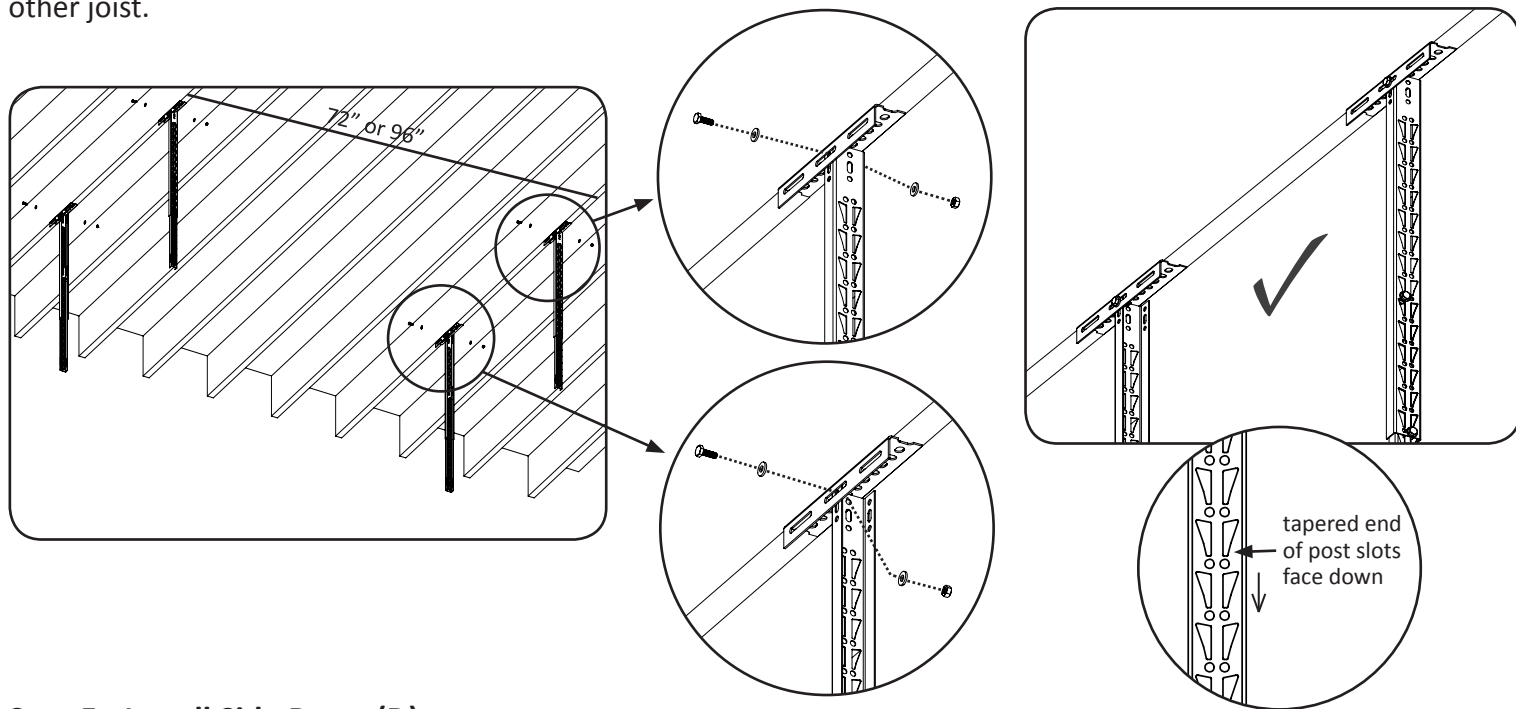




# Assembly Instructions

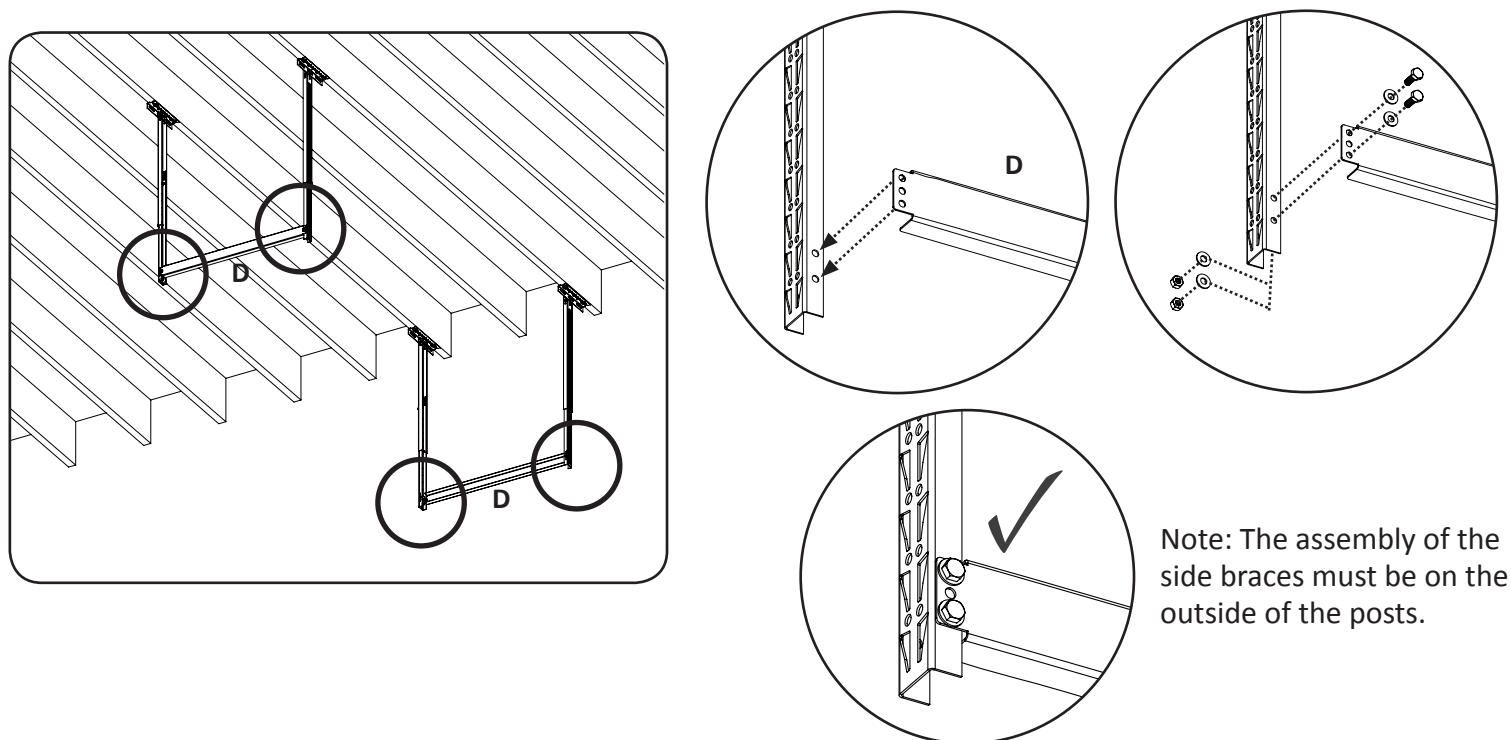
## Step 4 - Install Post Assemblies Continued

**For Perpendicular Assembly:** Bolt together one post assembly through the hole located on the side of the post to the center hole of the inside angle of bracket using one Hex Bolt (L), one Lock Nut (M) and two Small Washers (N). The backside of the post must be facing in and the tapered ends of the post slots must be facing down. Repeat post assembly for the bracket located on the same joist, making sure backside of the post faces in and the tapered ends of the post slots face down (as illustrated below). Repeat steps for other two post assemblies to the brackets on the other joist.



## Step 5 - Install Side Brace (D)

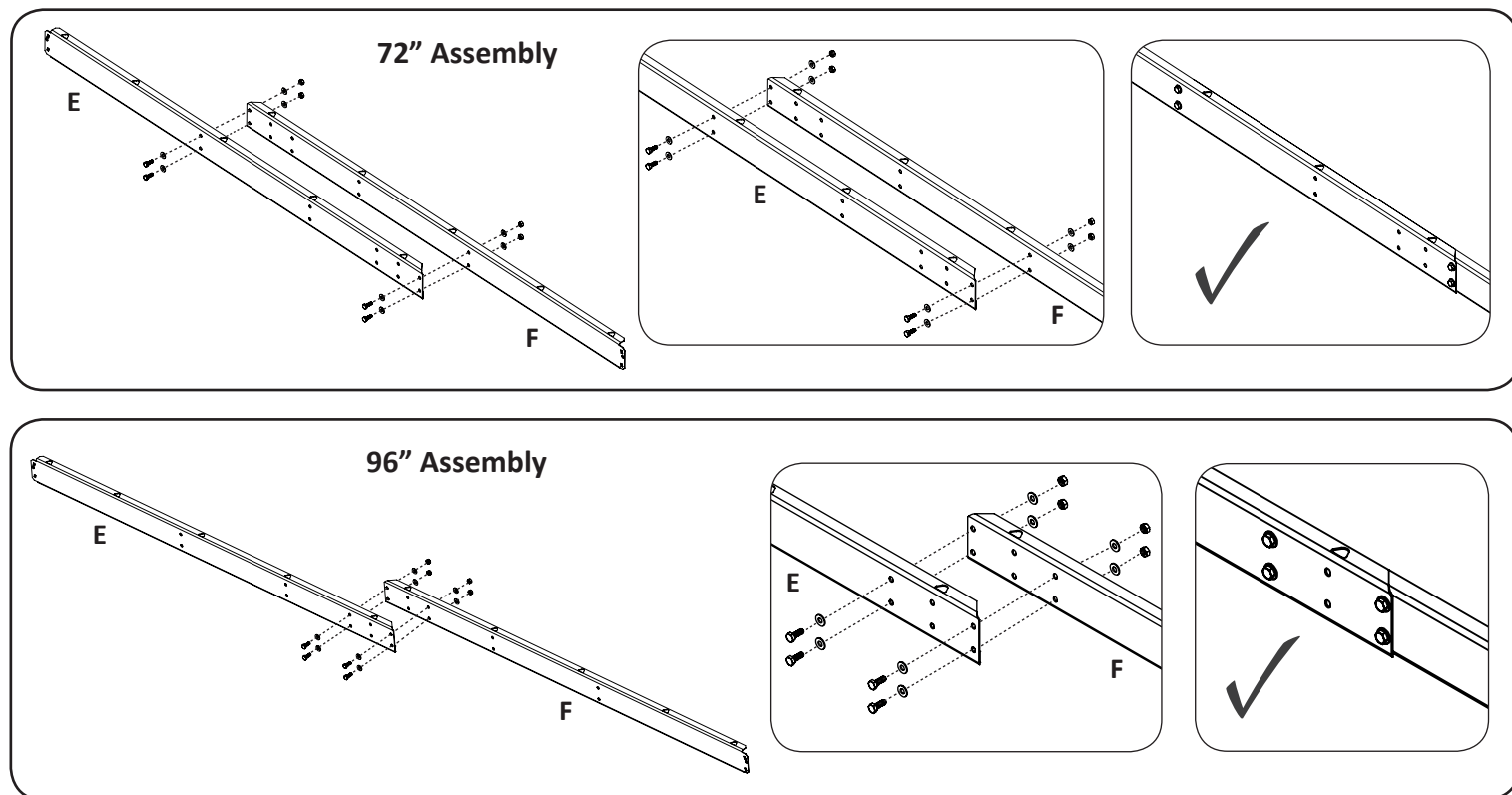
Line up the top and bottom holes on the ends of the Side Brace (D) with the two holes located on the outer bottom sides of two post assemblies. Bolt each end of the side brace to the posts assemblies using two Hex Bolt (L), two Lock Nut (M) and four Small Washers (N) through the top and bottom holes of the side brace and the two holes of the post. Repeat assembly for the other Side Brace (D) to the other set of post assemblies.



# Assembly Instructions

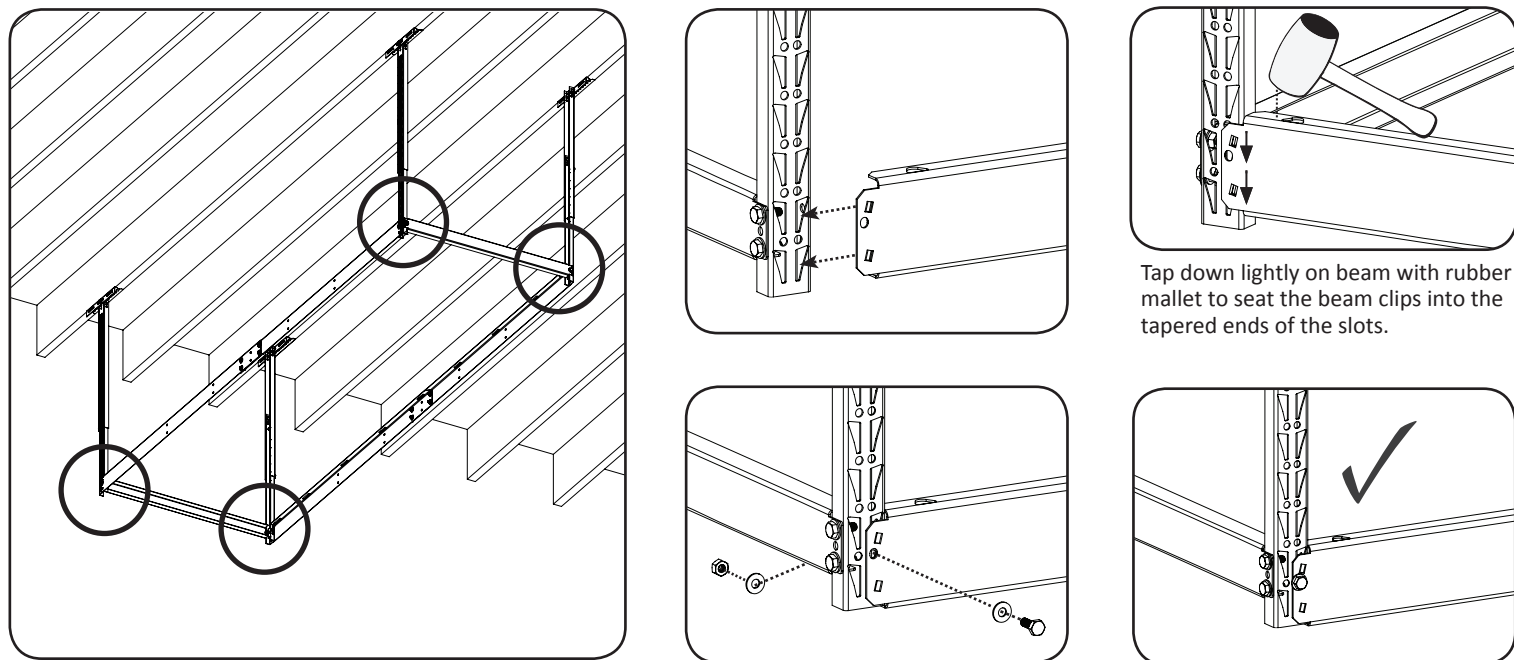
## Step 6 - Assemble Left and Right Beams (E & F)

Bolt together one Left Beam (E) and one Right Beam (F) at the determined 72" or 96" length assembly by using four Hex Bolts (L), four Lock Nuts (M) and eight Small Washers (N). Repeat steps to assemble the other Left and Right Beam.



## Step 7 - Install Beam Assemblies

Install one beam assembly by attaching both ends of the beam into the bottom slots of each post. Use a rubber mallet to lightly tap down on each end of the beam to properly seat the beam clips into the tapered ends of the slot. Bolt together by using one Hex Bolt (L), one Lock Nut (M) and two Small Washers (N) per side into the lined up holes of the beam and post. Repeat step to install the other beam assembly to other posts assemblies.

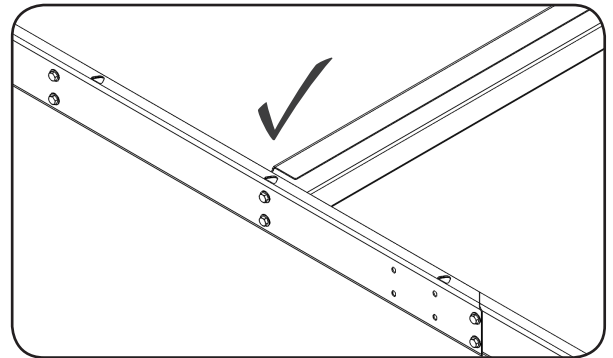
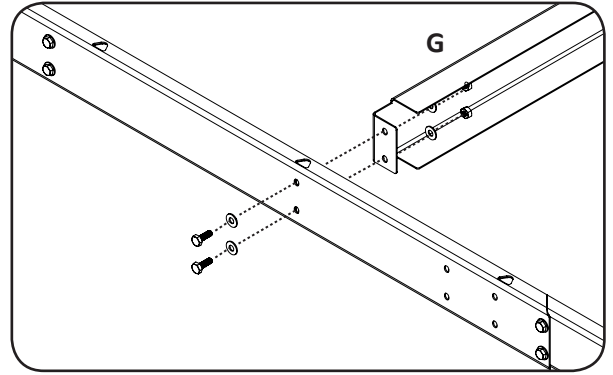
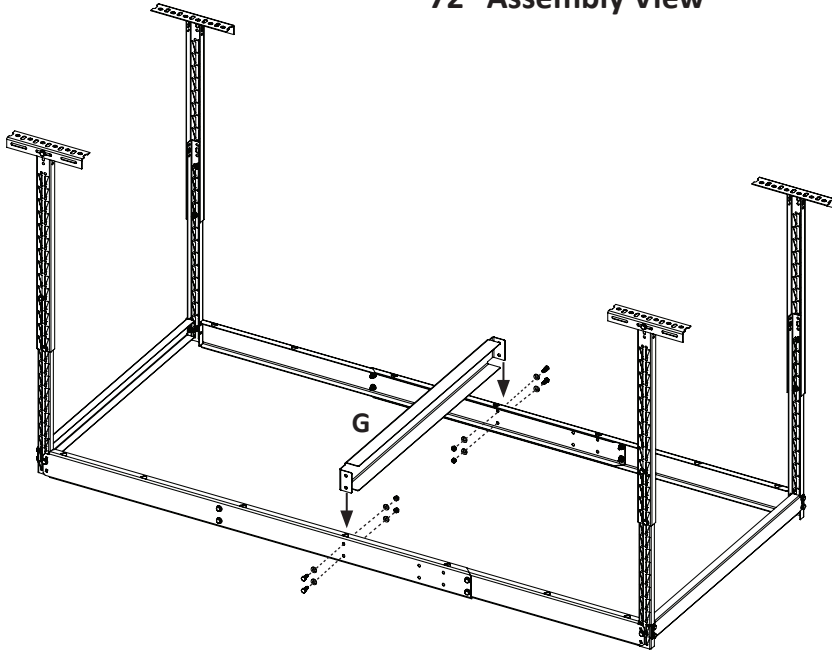


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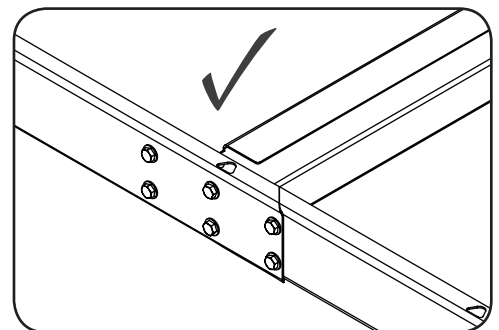
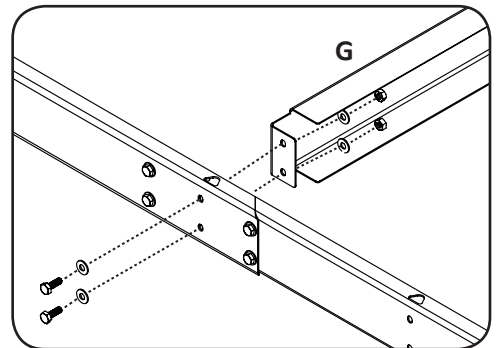
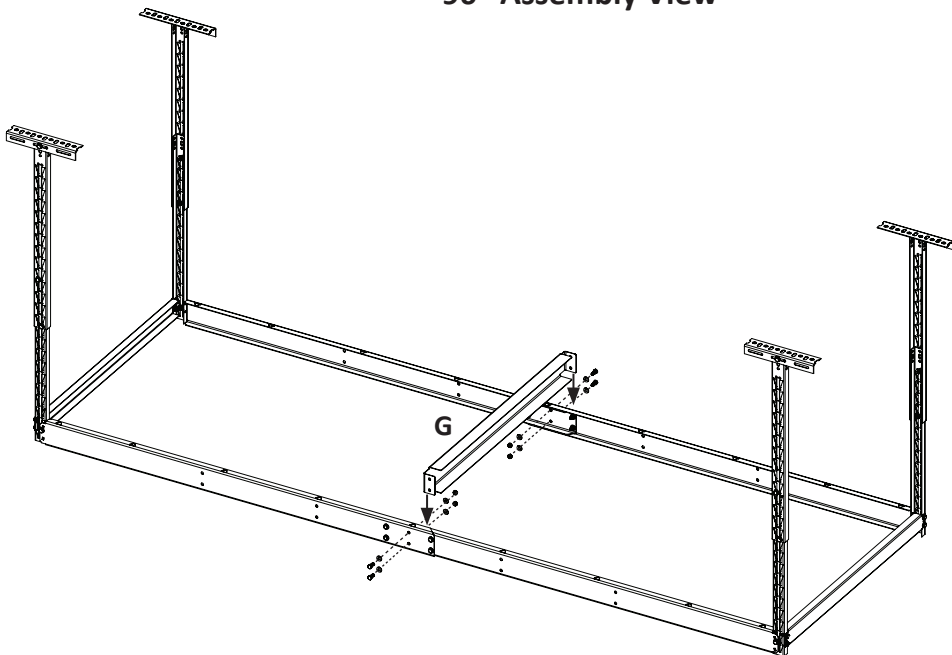
## Step 8 - Install Center Support (G)

Bolt the Center Support (G) into the two holes found in the middle of each beam assembly (see diagrams for reference to hole location on a 72" or 96" beam assembly). Use two Hex Bolts (L), two Lock Nuts (M) and four Small Washers (N) per side.

72" Assembly View



96" Assembly View

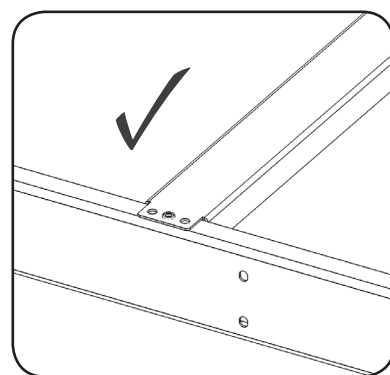
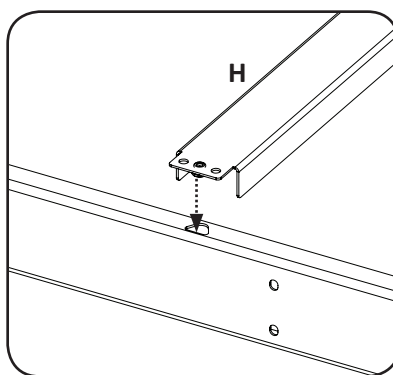
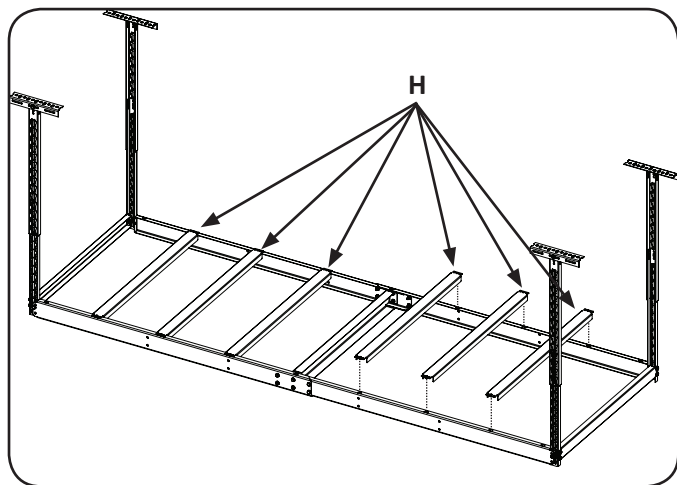




# Assembly Instructions

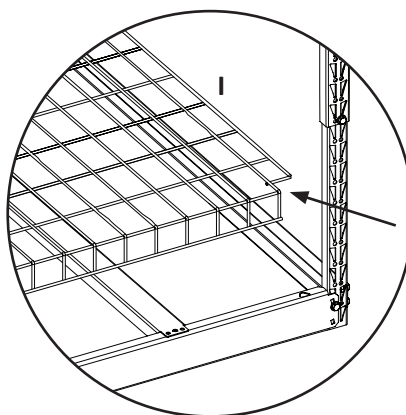
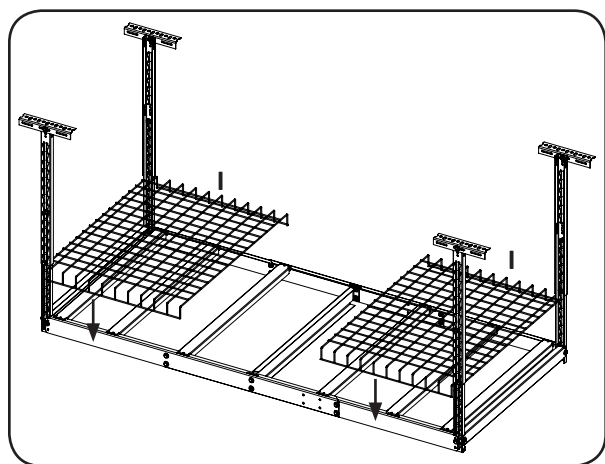
## Step 9 - Install Cross Supports (H)

Assemble the six Cross Supports (H) by placing the rivets located on both ends of the cross support into the triangular holes located on the top ledge of both beam assemblies.

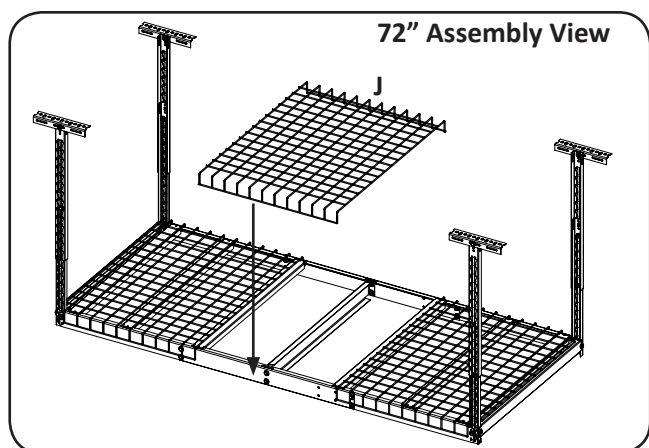


## Step 10 - Install Wire Decking (I & J)

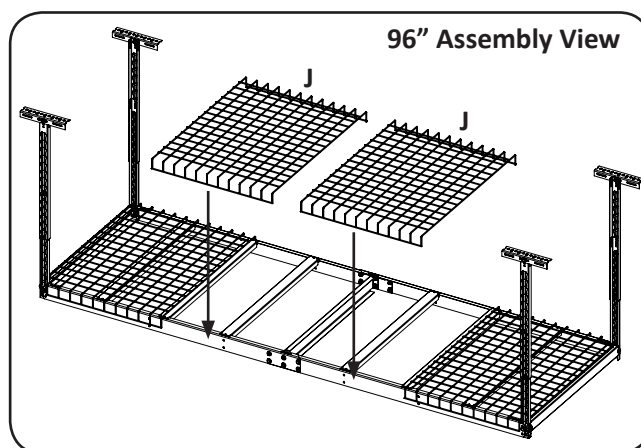
Place the End Wire Decks (I) on the ends of the beams with the notched corners facing the end corners of the posts. The notched corners should provide clearance for the posts. Place one Center Wire Deck (J) between the previously installed end wire decks for a 72" ceiling rack, or install two for an 96" ceiling rack. There will be one center wire deck left over if installing on a 72" wide ceiling rack.



**Note:** Be sure the notched ends on the End Wire Deck (I) are installed facing the posts.



Only one Center Wire Deck (J) will be used for a 72" ceiling rack installation.

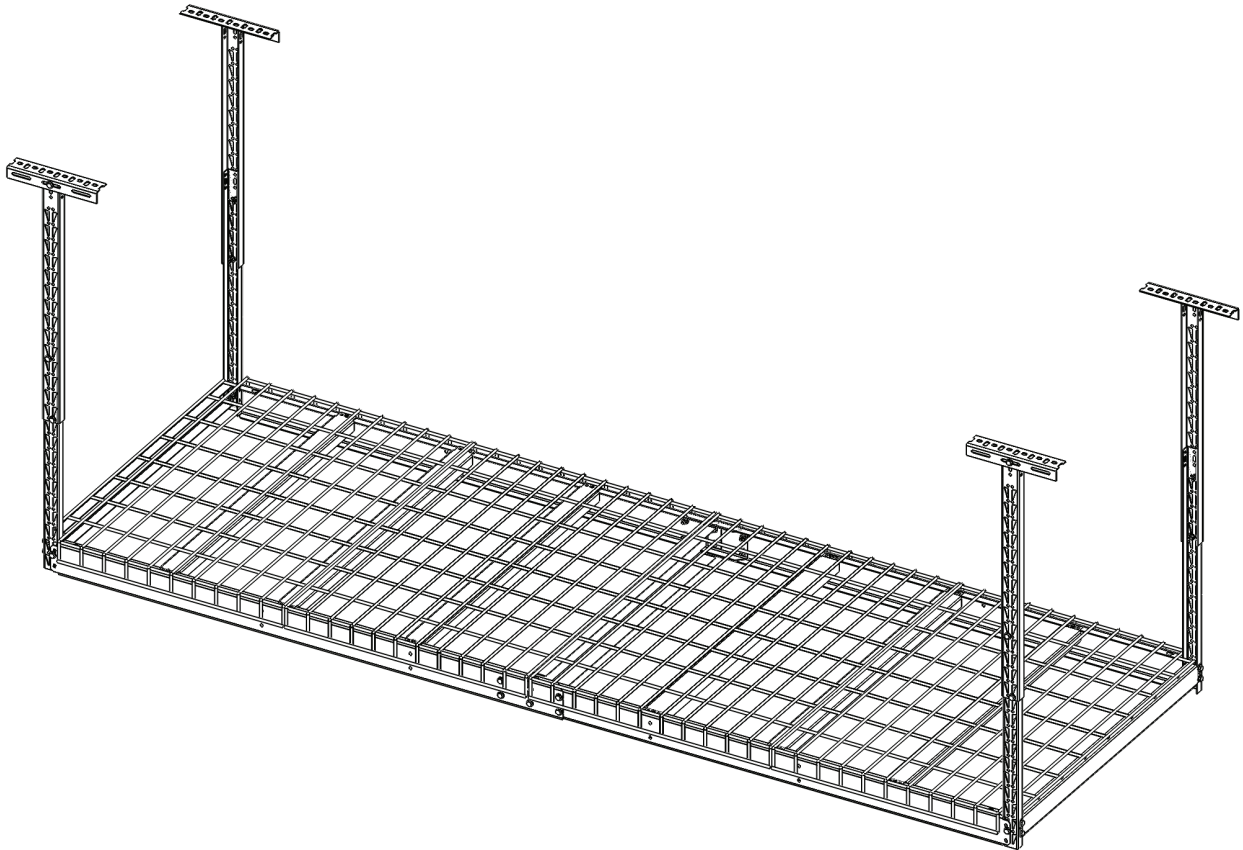


Two Center Wire Decks (J) will be used for a 96" ceiling rack installation.

# Assembly Instructions

## STEP 11 - Final Inspection

Check each beam and post connection to be sure that the beams are properly seated and brackets are firmly connected to the overhead joists. Make sure all bolts and nuts are properly tightened. It is recommended to periodically repeat this inspection process to ensure safety.



Retain this manual for future use.