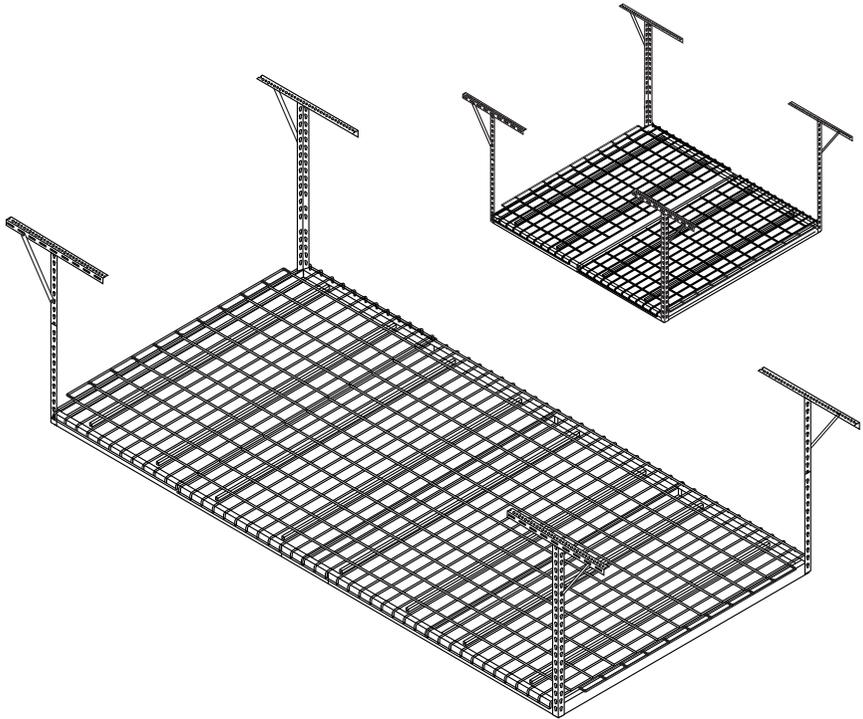


VEVOR[®]

**OVERHEAD GARAGE RACK
ASSEMBLY INSTRUCTION MANUAL**

VEVOR®

OVERHEAD GARAGE RACK



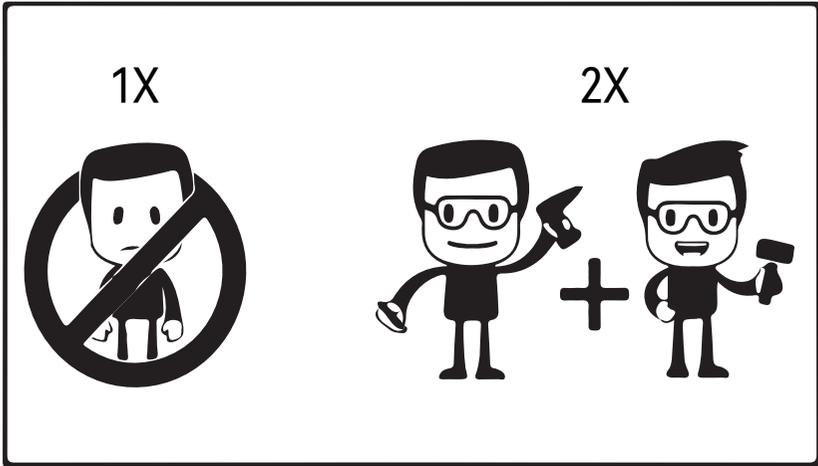
NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:



CustomerService@vevor.com

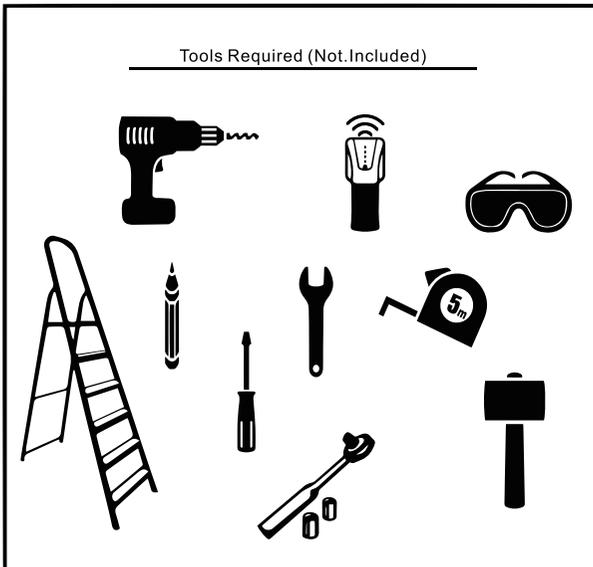
This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



WARNINGS

- Install into Wood Joists only
- Distribute weight evenly
- Opposite ends may come loose when installing side beams
- Objects can fall off the rack after being loaded

Tools Required (Not Included)



WARNING

THIS IS A DO IT YOURSELF (DIY) PROJECT. DO NOT ATTEMPT THIS INSTALLATION WITHOUT A BASIC UNDERSTANDING OF THE CONTENTS IN THESE ASSEMBLY INSTRUCTION. IF YOU ARE NOT CONFIDENT WITH LOCATING AND ANCHORING THE STORAGE RACK TO THE CEILING JOISTS, DO NOT ATTEMPT THIS INSTALLATION WITHOUT SOMEONE WHO IS.

WARNING, DO NOT EXCEED THE WEIGHT LIMITS

4ftx8ft Frame 600 LBS

4ftx6ft Frame 550 LBS

3ftx8ft Frame 600 LBS

3ftx6ft Frame 550 LBS

2ftx8ft Frame 400 LBS

2ftx6ft Frame 300 LBS

4ftx4ft Frame 300 LBS

WARNING: This weight limit is based on a statically loaded storage rack anchored to a wood framed garage. This installation is intended for a wood frame home, if your home is steel framed, stop the installation.

NOTE: Loading the overhead storage rack evenly. Load heavy objects nearest the vertical posts and light objects nearest the center. Do not climb on or hang from the storage rack. Routinely inspect the storage rack to ensure rivets and wire decking units are seated properly. The storage rack may experience some deflection the closer the maximum load is approached.

BE CAREFUL THESE INSTRUCTIONS, WARNINGS AND NOTES DO NOT REPLACE YOUR SOUND JUDGEMENT AND DECISION MARKING, IF, FOR ANY REASON, YOU FEEL THE QUALITY OF YOUR CEILING STRUCTURE IS IN QUESTION, DISCONTINUE THE INSTALLATION PROCESS IMMEDIATELY. USE THE STORAGE RACK WISELY AND ENJOY YOUR NEW FOUND SPACE!

- 1. It is forbidden to carry people and pets.**
- 2. It is forbidden to use the platform as electric, pneumatic and hydraulic appliances.**
- 3. It is forbidden to shake the storage shelves violently in any form.**

COMPONENTS

4ft x 8ft Unit:

- 8 Vertical Posts
- 2 Side Beams
- 4/2 C Channel Beams
- 3 Center Supports
- 4 Ceiling Brackets
- 4 Wire Decking Units
- 4 Diagonal Brace
- 1 ceiling drilling
- positioning paper
- 1 Hardware Bag
- 4 Hooks

4ft x 6ft Unit:

- 8 Vertical Posts
- 2 Side Beams
- 4/2 C Channel Beams
- 2 Center Supports
- 4 Ceiling Brackets
- 3 Wire Decking Units
- 4 Diagonal Brace
- 1 ceiling drilling
- positioning paper
- 1 Hardware Bag
- 2 Hooks

3ft x 8ft Unit:

- 8 Vertical Posts
- 2 Side Beams
- 4/2 C Channel Beams
- 3 Center Supports
- 4 Ceiling Brackets
- 4 Wire Decking Units
- 4 Diagonal Brace
- 1 ceiling drilling
- positioning paper
- 1 Hardware Bag
- 2 Hooks

3ft x 6ft Unit:

- 8 Vertical Posts
- 2 Side Beams
- 4/2 C Channel Beams
- 2 Center Supports
- 4 Ceiling Brackets
- 3 Wire Decking Units
- 4 Diagonal Brace
- 1 ceiling drilling
- positioning paper
- 1 Hardware Bag
- 2 Hooks

2ft x 8ft Unit:

- 8 Vertical Posts
- 2 Side Beams
- 4/2 C Channel Beams
- 1 Center Support
- 4 Ceiling Brackets
- 2 Wire Decking Units
- 4 Diagonal Brace
- 1 ceiling drilling
- positioning paper
- 1 Hardware Bag
- 2 Hooks

2ft x 6ft Unit:

- 8 Vertical Posts
- 2 Side Beams
- 4/2 C Channel Beams
- 1 Center Support
- 4 Ceiling Brackets
- 2 Wire Decking Units
- 4 Diagonal Brace
- 1 ceiling drilling
- positioning paper
- 1 Hardware Bag
- 2 Hooks

4ft x 4ft Unit:

- 8 Vertical Posts
- 2 Side Beams
- 2 C Channel Beams
- 1 Center Supports
- 4 Ceiling Brackets
- 2 Wire Decking Units
- 4 Diagonal Brace
- 1 ceiling drilling
- positioning paper
- 1 Hardware Bag
- 2 Hooks

Hardware bag (for all racks):

- 8 Lag Bolt St8.0x75mm
- 8 Expansion Plug
- 21 Hex Bolt M8 x 16 with 21 Nuts & 42 Washer
- 13 Hex Bolt M6 x 16 with 13 Nuts & 13 Washer (for 2pcs beam connecting style only)

Pictures Available on Next Page

Lag Bolt
St8.0×75mm



Expansion
Plug



Hex Bolt
M8x16



Hex Bolt
M6x 16



Hex Nut



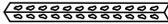
Washer



Ceiling Bracket



Vertical Post



Diagonal Brace



C Channel Beam



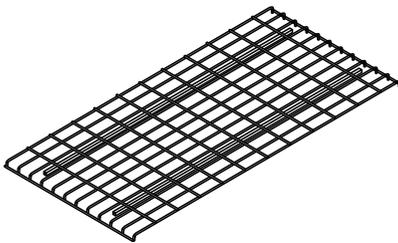
Center Support



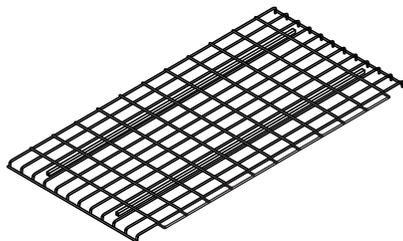
Side Beam



Wire Decking Unit



A

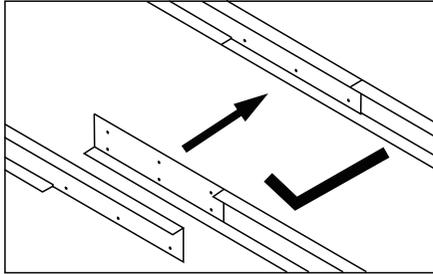


B

Pre-Assembly

Completing the following 1~3 steps to assemble the long C Channel beam. 2pcs connecting beam design needed only! The whole beam design can ignore the assembly steps on this page.

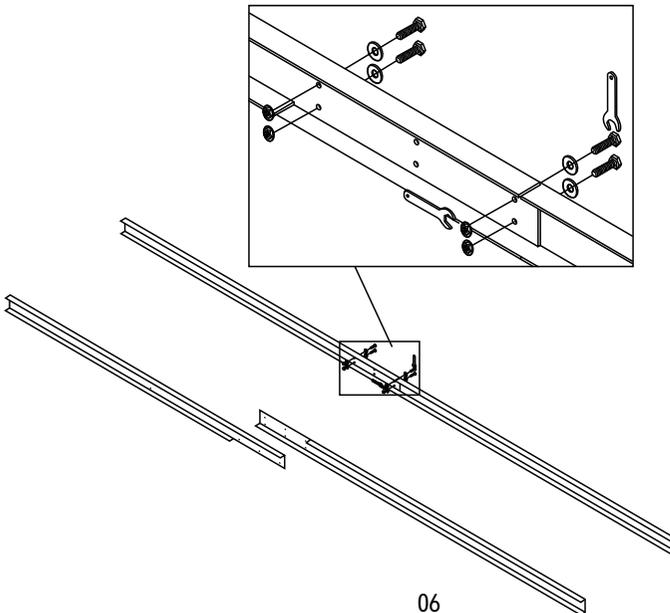
Step 1, Align the holes at the center of the 2pcs C Channel beams as seen in the illustration (8ft size only).



Step 2, Using 4pcs M6x16 Hex bolts, 4pcs Hex nut and 4pcs Washer, assemble the C Channel beam together on the outermost Holes as seen in the following picture.

(Tips: to avoid alignment issues, place the remaining 2pcs M6 x 16 Hex bolts in the center holes, as these will be used for the center support in a later step.)

Step 3, Repeat steps 1 and 2 for the remaining C Channel beams.



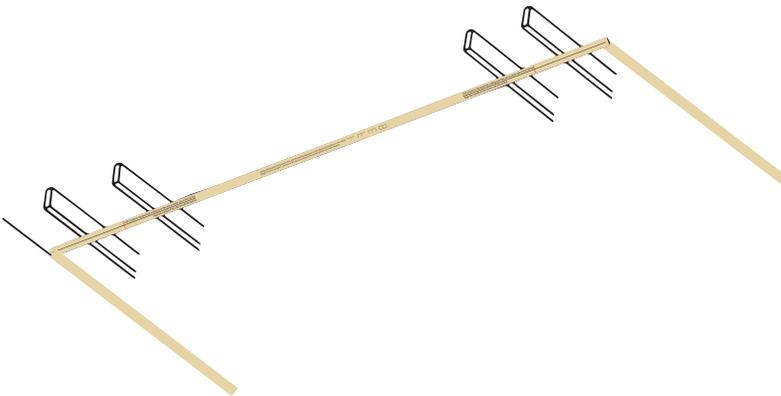
Assembly

To punch holes on the ceiling more quickly and accurately, we have thoughtfully designed the ceiling drilling positioning paper (included in the package). If necessary, please follow the steps below:

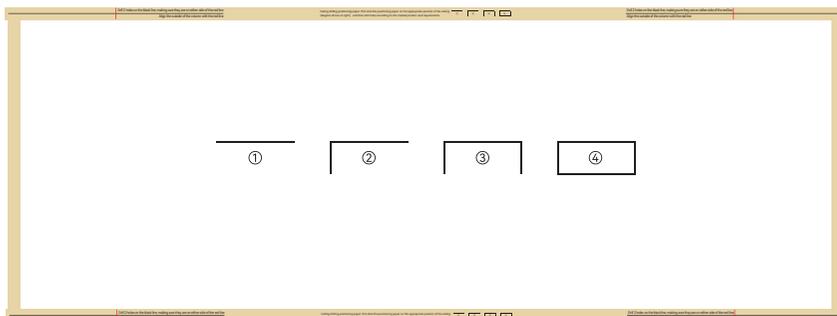
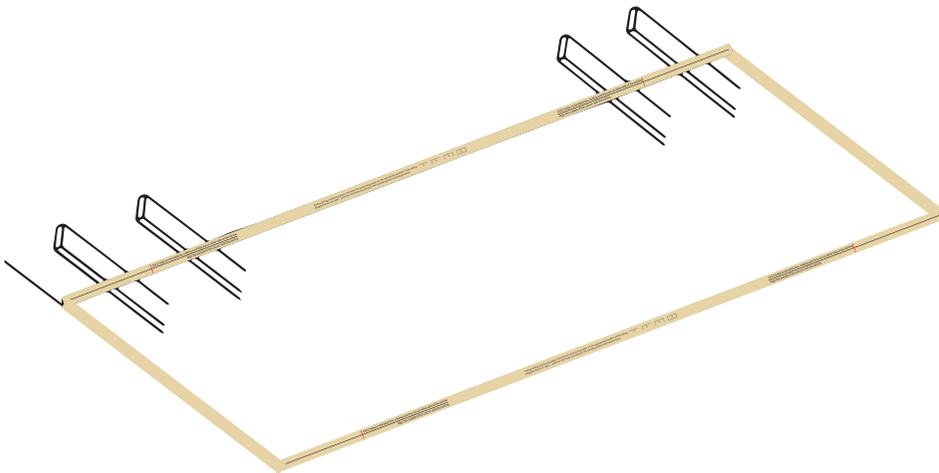
1. First, find the beam position on the ceiling, stick one of the long beam positioning paper on the ceiling with double-sided tape, ensure that the two black lines at both ends are on the beam or across the two beams, and the positioning paper is not bent or sagging.



2. Then align the edges of the two short beam positioning papers with the two ends of the long beam positioning papers, and stick them on the ceiling perpendicular to the long beam positioning papers.



3. Next, align the two ends of the last long beam positioning paper with the edge of the short beam positioning paper respectively, and stick it on the ceiling parallel to the first long beam positioning paper.

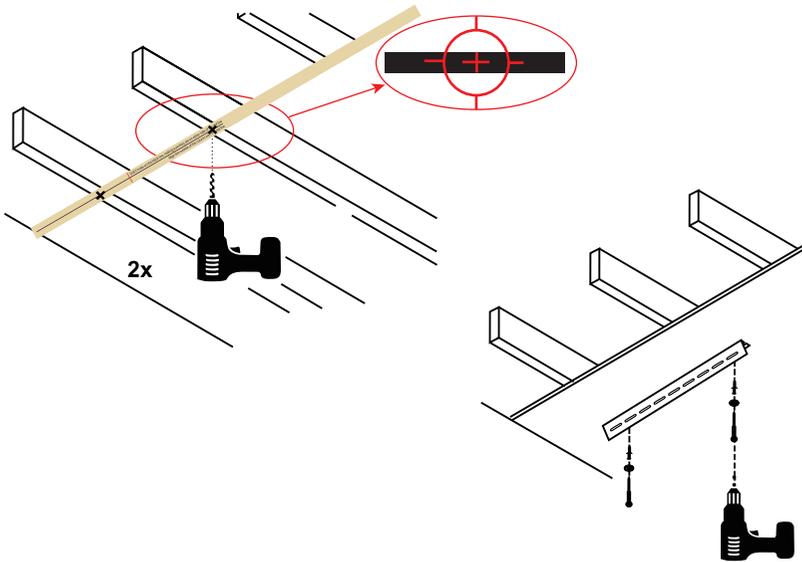


4. After pasting, drill holes on the black lines at both ends of the long beam positioning paper.

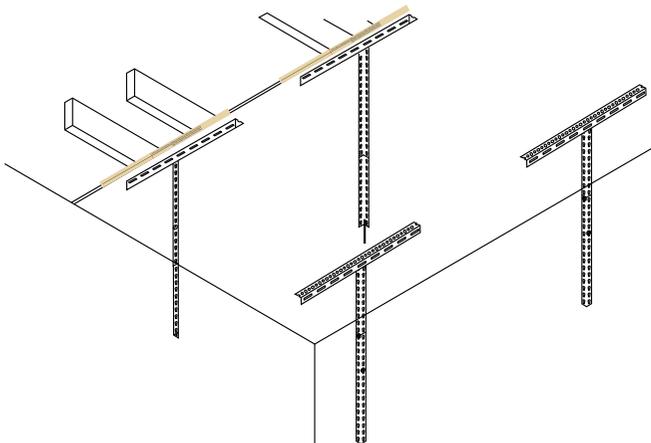
1) make sure the hole is punched on the beam.

2) There are 2 holes at both ends of each long beam positioning paper, a total of 4 holes.

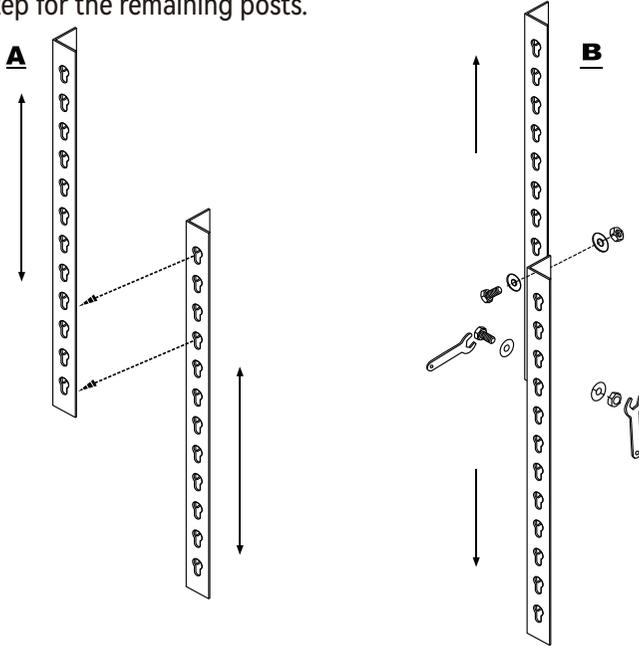
3) Two holes at each end of the long beam positioning paper, one for each with the red line as the center, and the spacing is about 20 inches.



5. Finally, all the holes are finished, install the ceiling bracket before installing the column. When installing the column, align the left (right) edge of the column with the red line and fix it on the bracket.



6. Adjust the length of the Vertical Post to the desired distance from the ceiling. Ensure the lower section of the vertical post is placed on the inside of the two post pieces. All posts are adjusted to the exact same length. Secure the post together using 2pcs Hex Bolt M8x16, 2pcs Hex Nut and 4pcs Washer. Make sure one bolt and nut assembly on each face of the vertical posts. (As following drawing B) Repeat this step for the remaining posts.

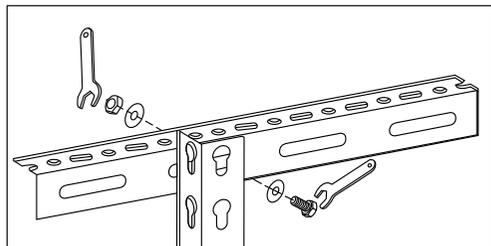
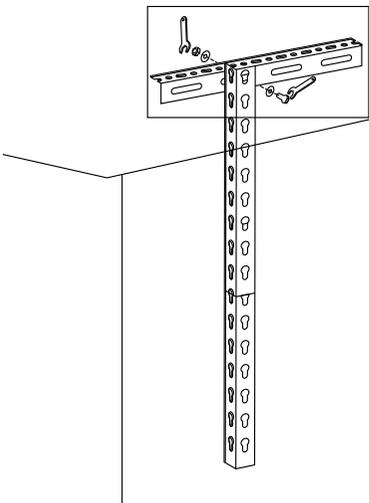


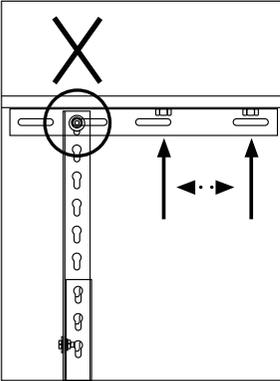
Using a single Hex Bolt M8X16 with 2 pcs Washers (one on each side) and 1pc Hex Nut, connect the first vertical post assembly to the ceiling bracket that was installed in the previous step.

Notes:

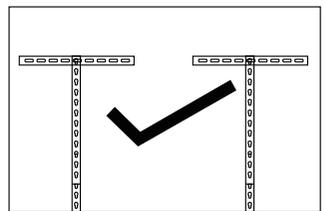
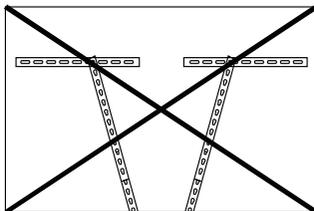
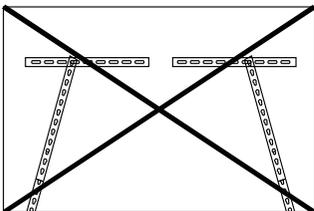
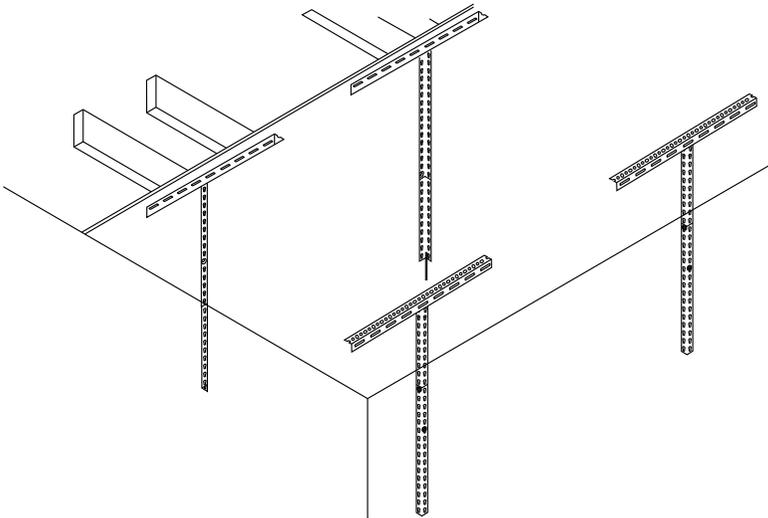
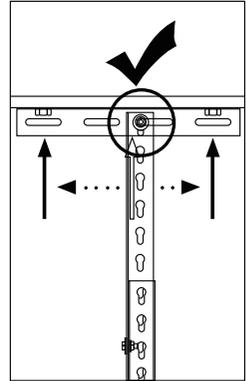
**For now, leave the vertical posts slight loose on the ceiling bracket so that they can move back and forth during the next step. They will be tightened down in the upcoming steps.*

**When installing the vertical posts to ceiling brackets that are in line, ensure that the vertical posts are in-line, ensure that the vertical posts are 48" or 96" apart (depending on the orientation of the rack)*

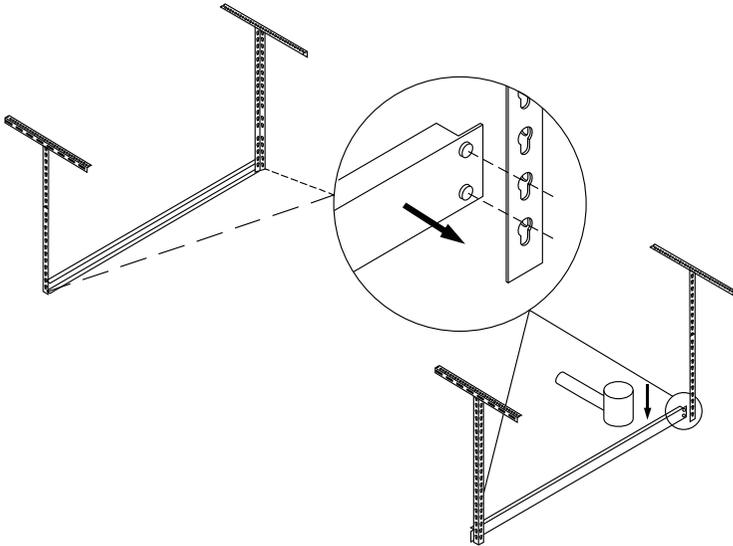




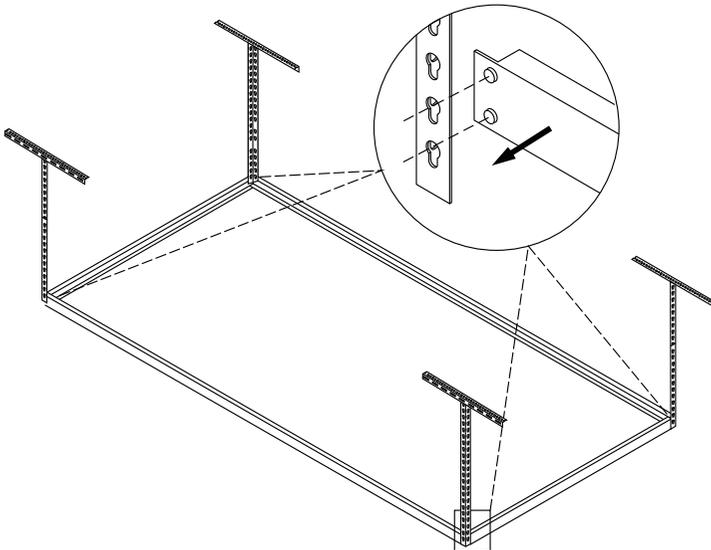
ALWAYS install the vertical posts between the Lag screws in the ceiling bracket.
DO NOT attach the vertical posts outside of the lag screws in cantilevered fashion.
WARNING
 If you install the ceiling bracket & vertical posts as the left drawing, the ceiling brackets will bend, causing your storage items to fall to the floor.



7. Place the rivets of the Side beams in the bottom 2 holes of the vertical posts. Ensure the side beams are on the inside of the vertical posts. Use a rubber mallet to hammer the rivets into the bottom of the teardrop holes.



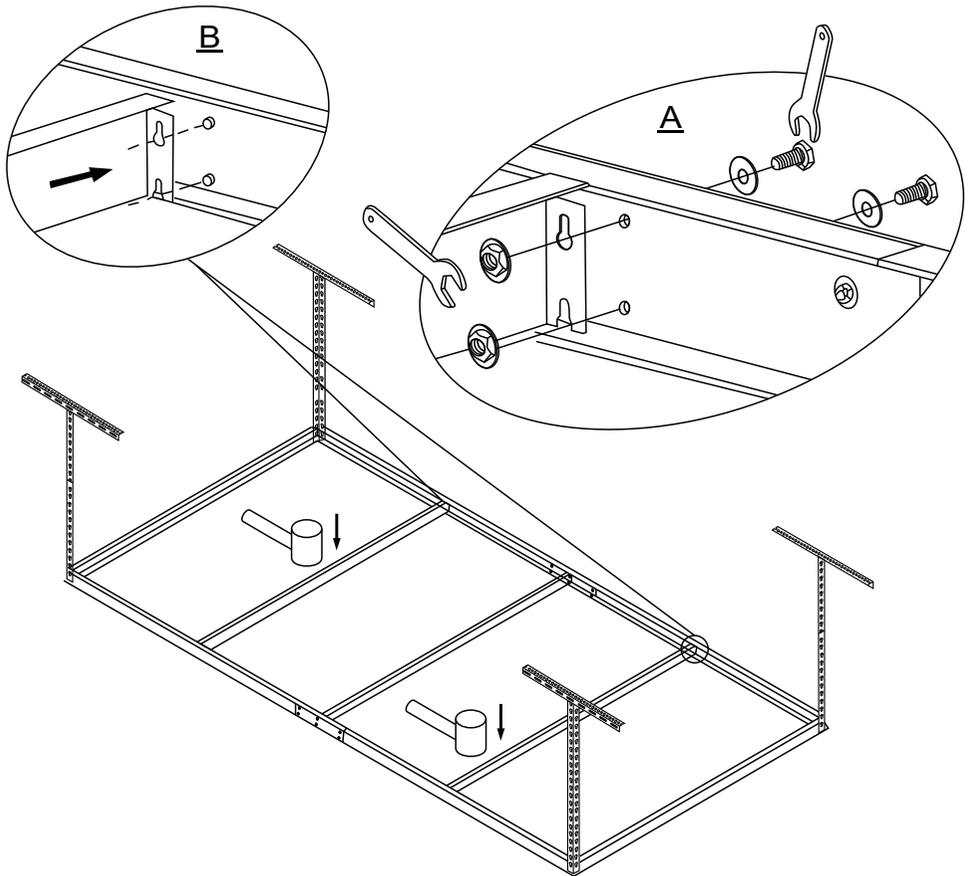
8. Finish with installation of the other left Beams.
WARNING: Opposite ends may come loose when hammering beams into place.



9. A: Connect Center support to C channel beams by using 2pcs Hex Bolt M6x16, 2pcs Hex Nut and 2pcs Washer. Repeat this step to the opposite of Center support (4pcs C Channel beam design only).

*Fully tighten the bolts.

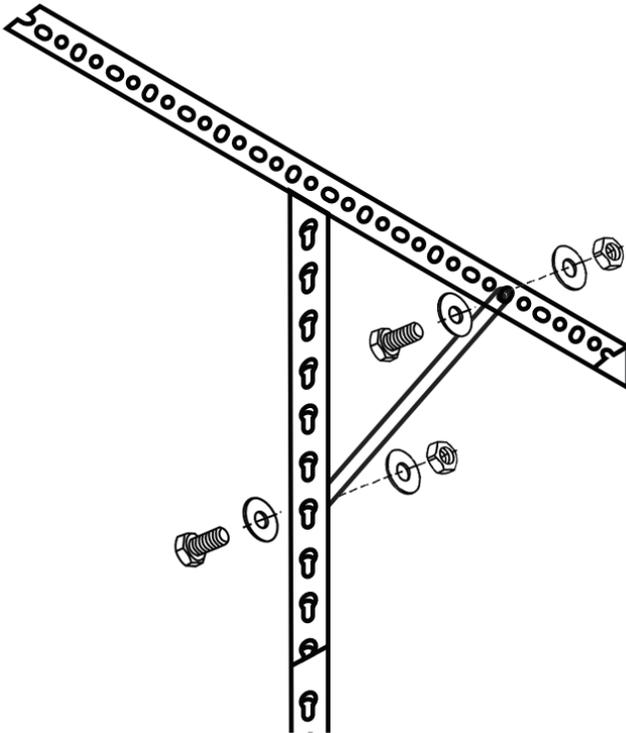
B: Place the center support to the rivets on C channel beam. Hammer it gently to the top of the teardrop holes on the center support.



*Once the center support is installed, go back and tighten the vertical posts to the ceiling brackets.

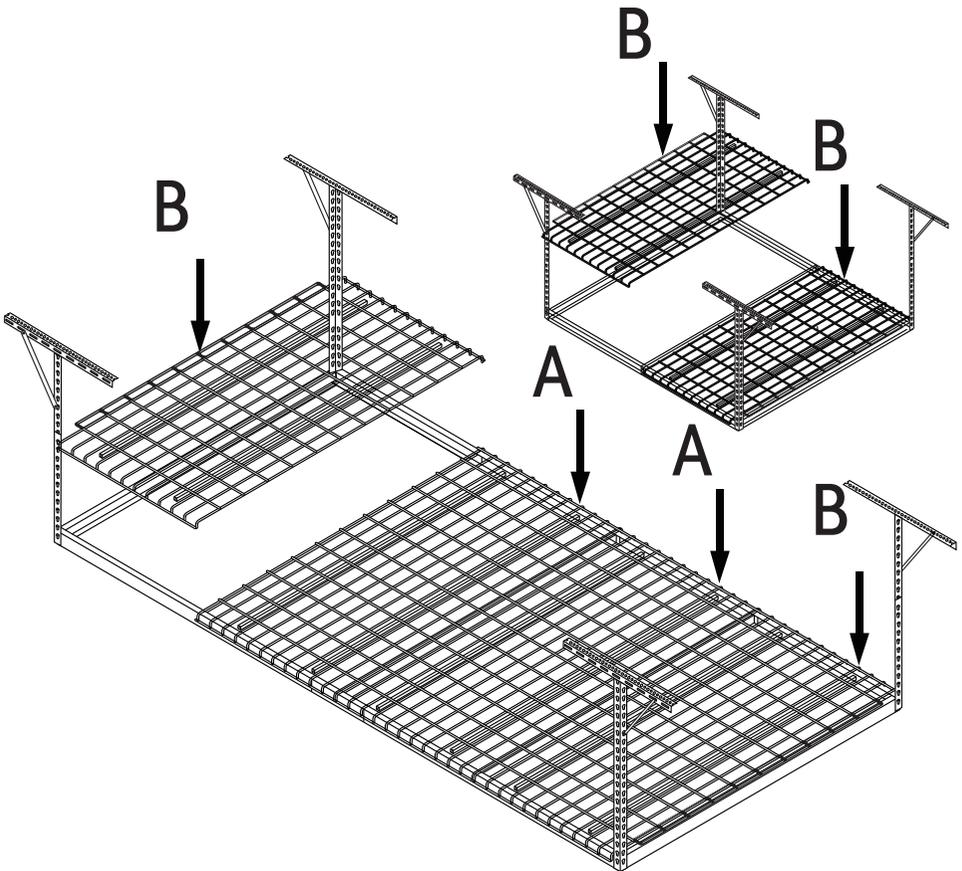
10. Install and fix the two ends of the diagonal brace on the holes of the ceiling bracket and the vertical post respectively (as seen in the picture). There are 4 diagonal braces in total. Installation requirements:

- 1) The angle between the diagonal brace and the ceiling bracket should be as close as possible to 45° .
- 2) It is recommended to install the diagonal brace on the outside of the rack.
- 3) Bolts need to be tightened.



11. Take the Wire Decking unit and place them on the rack one by one.

- *Look at the ceiling brackets and Lag screws to make sure that they have not pulled out during the beam seating process.
- If they have, it is an indication that the Lag screws may not be in the center of the ceiling joist, or that they were not fully tightened when installed.
- *Finally, check all the Nut and bolt connections on the vertical posts and ceiling brackets to ensure that everything is tight.
- *Congratulations! You are now ready to load your rack and enjoy the extra space that you have created.



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