

VersaRac

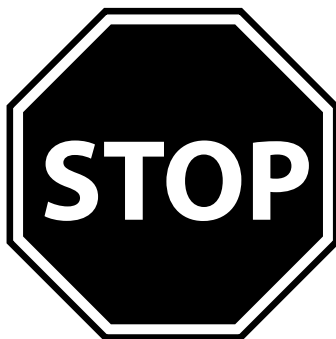
Adjustable Overhead Storage Rack



Warning: Excessive weight hazard!

Use two or more people to move, assemble or install overhead rack to avoid back or other 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.

For assistance, call 1.877.306.8930; for UK 0800.031.4069; e-mail at info@newageproducts.com



ATTENTION:

Is your product damaged?

Need help or spare parts?

For fastest service, contact NewAge Products at 1-877-306-8930; or support@newageproducts.com

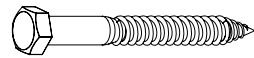
Do not return to the retailer.

Unpacking

- Begin by placing the package on a covered flat surface.
- Remove all cardboard, foam packaging material and clear plastic bags.
- Dispose / recycle all packaging materials.
- Verify all the contents in the box and gather the required tools. See "Parts" and "Tools Needed" in the list below.

Parts Supplied

Description	Quantity
1.5" x 1.5" x 6" Ceiling Mounting Angle	4
1.5" x 1.5" x 18" Vertical Angle Posts	4
1.5" x 1.5" x 27" Vertical Angle Posts	4
1" x 2.75" x 48" Short Perimeter Beam	2
1" x 2.75" x 51" Long Perimeter Beam A	2
1" x 2.75" x 51" Long Perimeter Beam B	2
47" Cross Supports	6
Center Support Beam	1
Steel Grid Platforms	2
Steel Grid Platforms with Notched Corners	2
Hardware Box	1
1/4" Diameter x 3/4" Long Bolts	24
1/4" Nylon Lock Nut	24
1/4" Diameter x 3" Long Lag Bolt	8
1/4" Washers	56



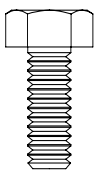
Lag Bolt (1/4" dia x 3")



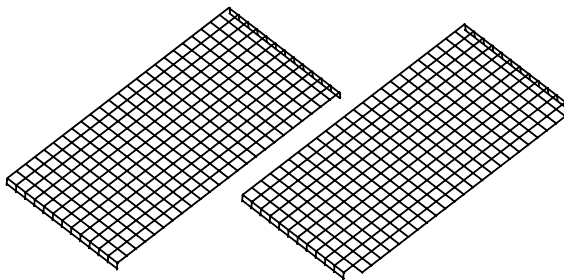
Lock Nut (1/4")



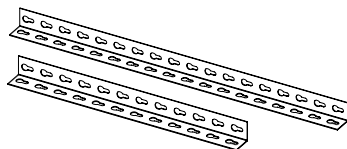
Washer (1/4")



Hex Bolt (1/4" dia x 3/4")



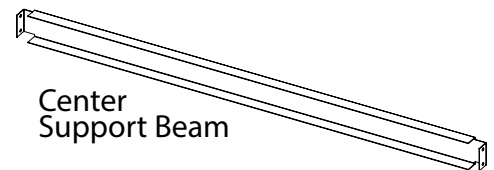
Steel Grid Platforms



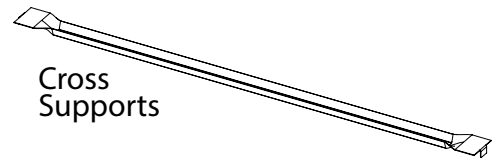
Vertical Angle Posts



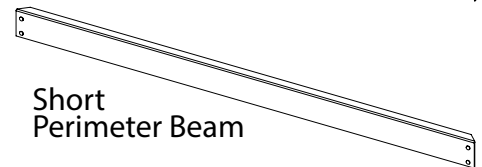
Ceiling Mounting Angle



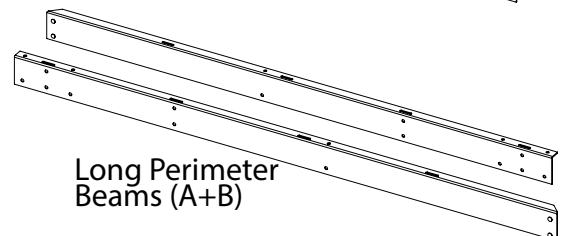
Center Support Beam



Cross Supports



Short Perimeter Beam



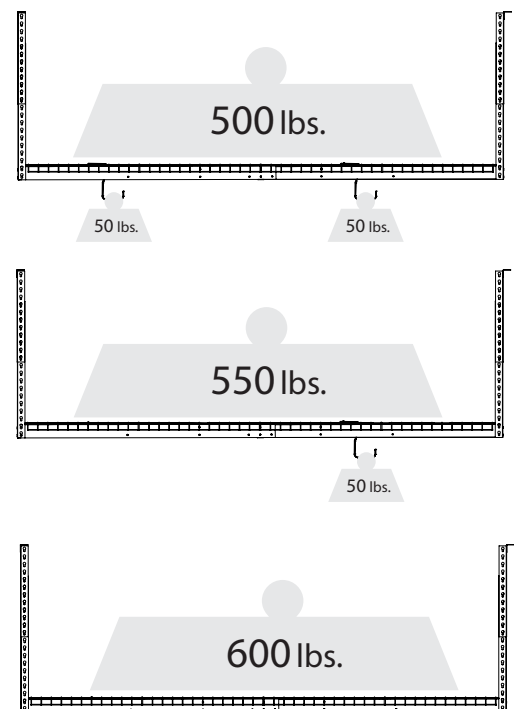
Long Perimeter Beams (A+B)

SAFETY WARNING

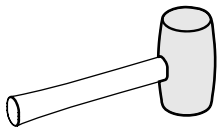
PLEASE READ THIS FIRST

1. All VersaRac units have a rated load capacity of 600 pounds, evenly distributed, using 3" lag bolt anchored into solid wood joists or supports capable of supporting such a load.
2. Each VersaRac utility hook can hold a maximum of 50lbs, Weight of utility hook storage must be included in maximum load of 600lbs for the overhead rack.
3. Do not load more than 600lbs on to a VersaRac. Live loads (people, pets, etc) may weigh less than the rated weight capacity, however will exert force on the rack beyond its rated capacity. As such, do not stand, jump or hang from your VersaRac.
4. VersaRac units must be installed into structurally sound overhead joists or supports. NewAge Products Inc. makes no claim to the capacity or strength of the structure to which the units are mounted.
5. NewAge Products Inc. can not be held liable for structure failure, or damage or injury resulting from structure failure.
6. Always inspect the structure of the ceiling to ensure there is suitable supports. Never install more than one VersaRac unit on any two overhead supports.
7. **VersaRac is designed for installation into wooden ceiling joists. Do not attempt mounting to steel beams.**
8. **Ensure all weight is distributed evenly on the rack. Place heavier objects near the vertical angle posts, and lighter objects in the center.**
9. **Do not jump or climb on your VersaRac.**
11. **Routinely inspect your system to ensure all components are fastened securely.**

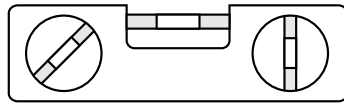
Weight Capacity



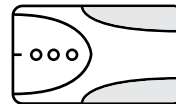
Tools Needed



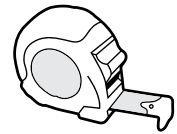
Rubber Mallet



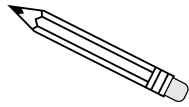
Magnetic Leveler



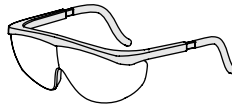
Stud Finder



Tape Measure



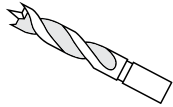
Pencil



Safety Glasses



7/16" socket



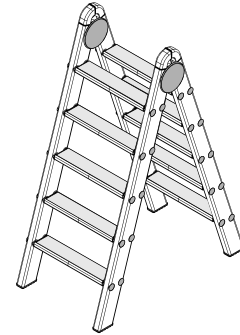
3/16" Drill Bit



7/16" Socket driver
wrench



Cordless Power Drill



Ladder

Manufacturer Warranty Limited Lifetime

When this product is installed, operated and maintained according to the instructions attached to or furnished with the product, NewAge Products Inc. will replace the defective product or parts if the part fails as a result of defective materials or workmanship for the Lifetime of the product.

NEWAGE PRODUCTS INC. WILL NOT PAY FOR:

1. Service calls to correct the installation of any NewAge products or to instruct you how to use or install them.
2. Damage resulting from improper handling, or products damaged by accident, misuse, abuse, fire, flood, improper installation, acts of God, neglect, corrosion, modification or mishandling.
3. Products damaged by improperly loading beyond the specified maximum weight capacity outlined in the instructions provided with the product.
4. Repairs or replacement when your product is used in other than normal, single-family household use, such as a commercial environment, or handled in anyway inconsistent with the installation instructions included with the product.
5. Cosmetic damage, including scratches, dings, dents or cracks in paint that do not affect the structural or functional capability of the product.
6. Surfaces damaged due to chemical interaction resulting in corrosion of paint or metal.
7. Replacement parts for NewAge products outside Canada and the United States.
8. Loss of product contents due to theft, fire, flood, accident or acts of God.
9. Shipping or freight fees to deliver replacement products or to return defective products.
10. Any labor costs during the limited warranty period.

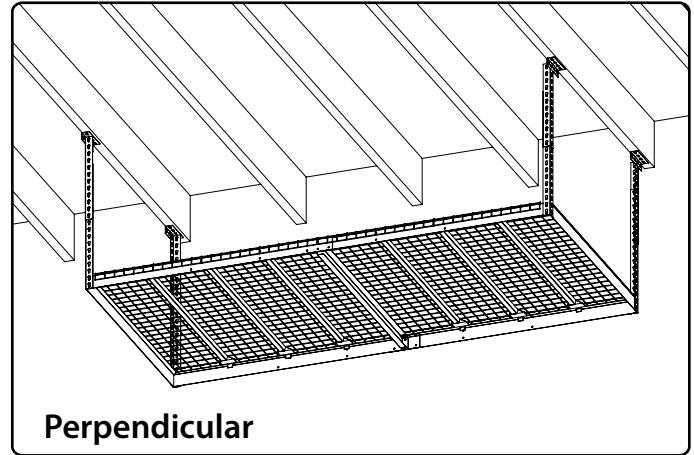
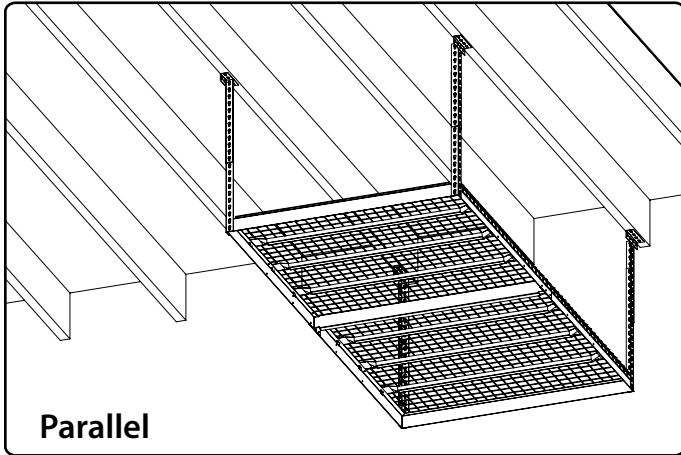
NEWAGE
PRODUCTS INC.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

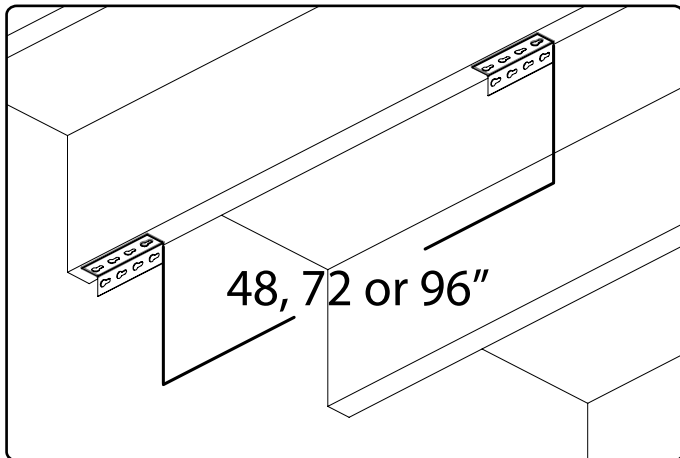
IMPLIED WARRANTIES, INCLUDING TO THE EXTENT APPLICABLE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED TO THE EXTENT LEGALLY PERMISSIBLE. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED TO ONE YEAR, OR THE SHORTEST PERIOD ALLOWED BY LAW. SOME STATES AND PROVINCES DO NOT ALLOW LIMITATIONS OR EXCLUSIONS ON HOW LONG AN IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE

VersaRac Installation Overview

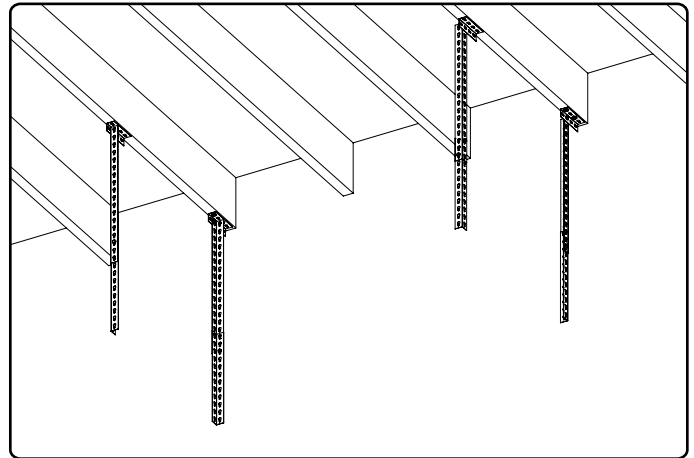
- A** Plan your VersaRac installation location, determine orientation and verify spacing of joists. (Page 6)



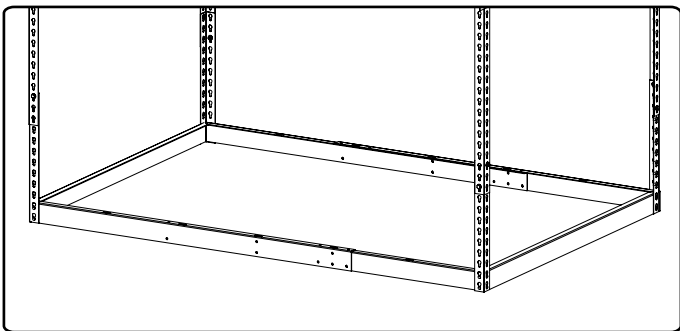
- B** Install ceiling mounting angles. (Page 7 - 8)



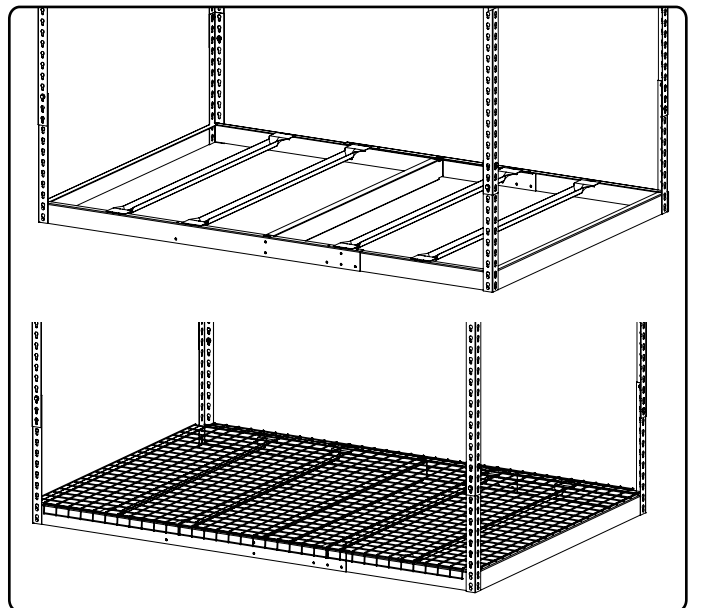
- C** Determine desired VersaRac height and install vertical posts (Page 9)



- D** Assemble and install perimeter beams (Page 10)



- E** Install center beam and cross supports followed by wire grid platforms. (Page 11)

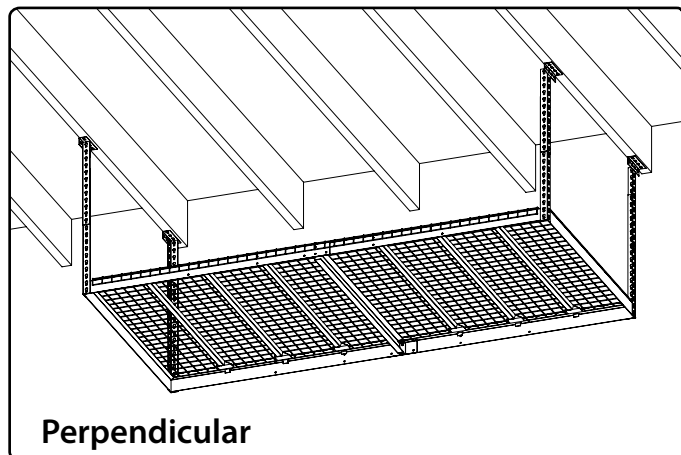
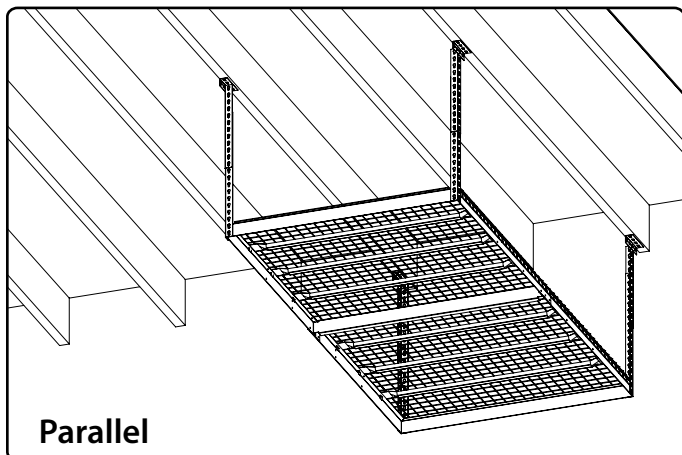


Note:

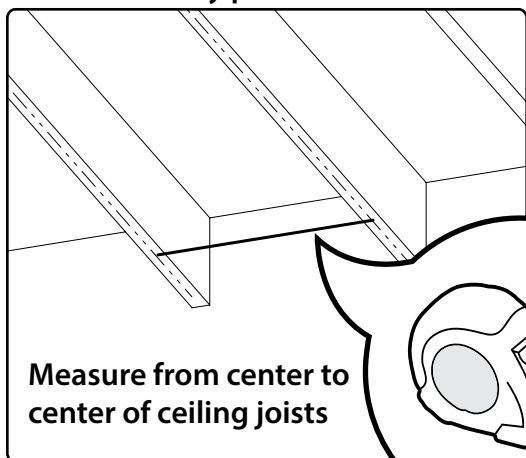
It is recommended that you read through the entire installation instruction manual first before beginning your VersaRac installation.

Plan the Installation Location

- 1** Determine if your VersaRac 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.



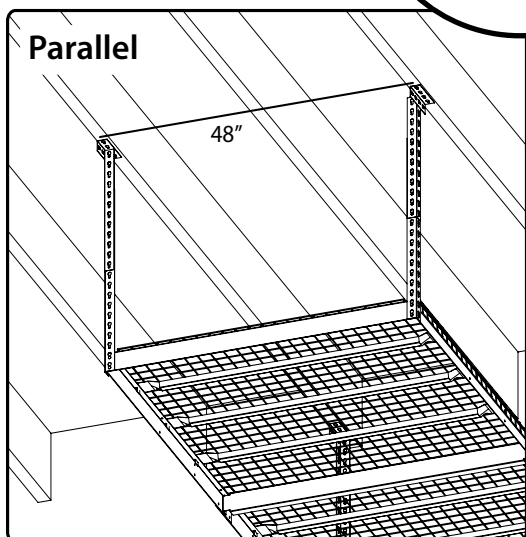
- 2** Check the spacing of your ceiling joists to ensure that they will work for the size and direction of your VersaRac install. If the spacing of your joists is 24" there should be ceiling joists located in the necessary position.



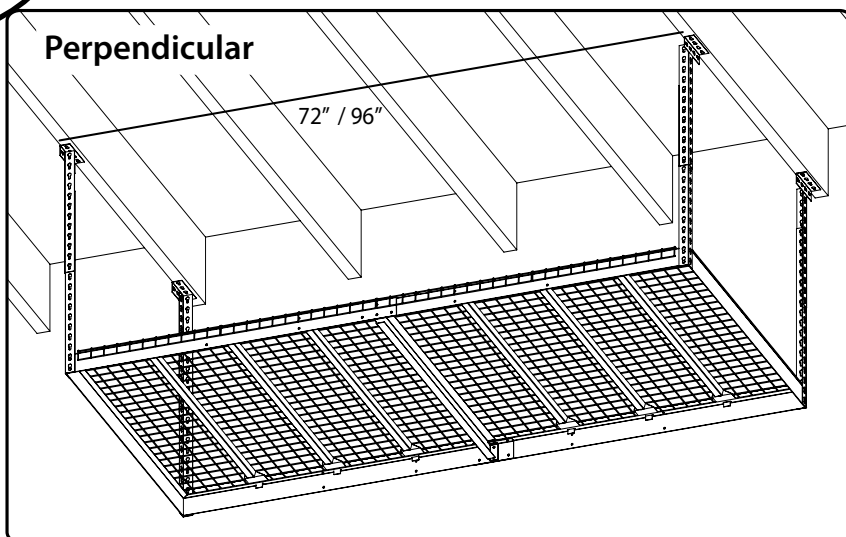
Note:

If the spacing of your ceiling joists does not match the preferred assembled size and direction of your VersaRac installation you will need to install a joist in the correct position.

Please refer to "Installing a Joist Hanger" on page 12 to install a ceiling joist in the desired position.



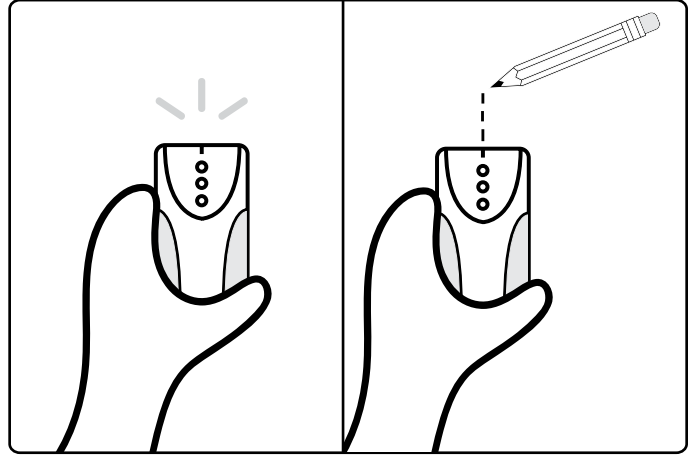
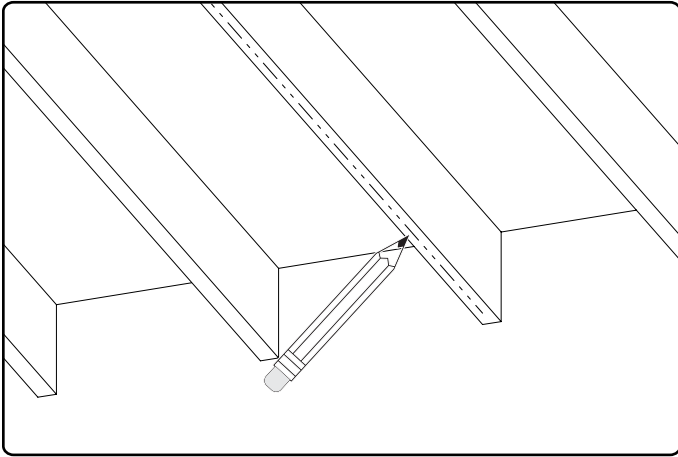
For a parallel installation ensure that the ceiling joists are 48" apart.



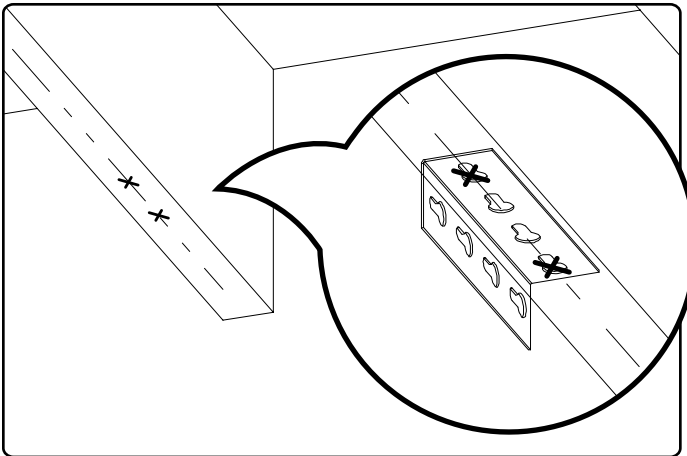
For a perpendicular installation ensure that the ceiling joists are 72" or 96" apart depending on the VersaRac configuration that best suits your preferred assembled size.

Install Ceiling Mounting Angles

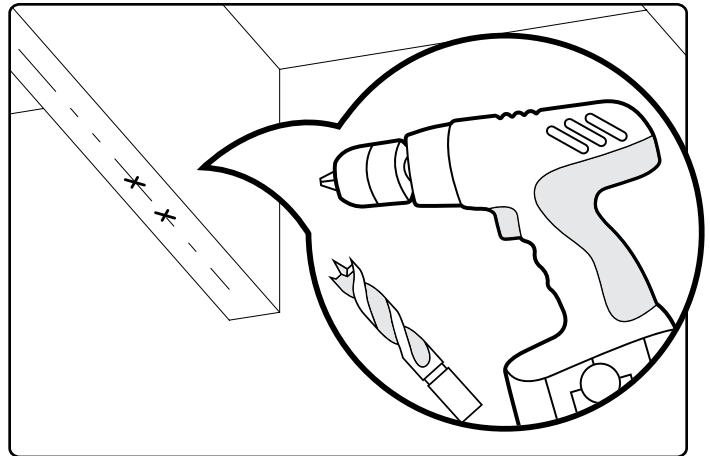
- 3** Locate and mark the center of ceiling joist. Use a stud finder to locate the joists if ceiling is finished with drywall.



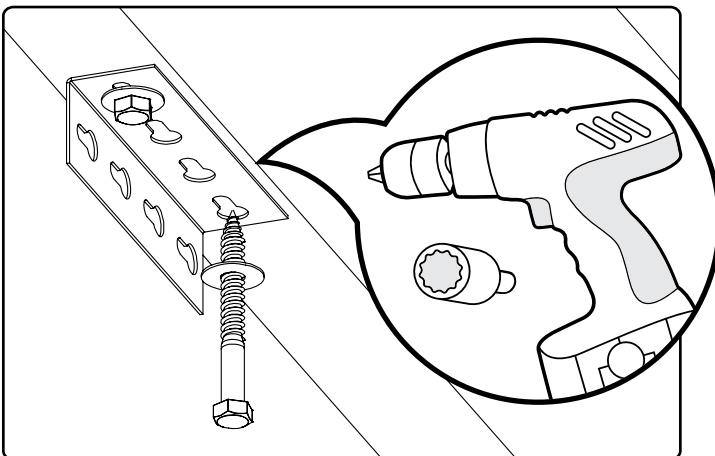
- 4** Align center of keyhole slots on the ceiling mounting angle with the centerline of the ceiling joist and mark the holes on both ends.



- 5** Pre drill 3" depth pilot holes fully into 3 inches of solid wood beam using a 3/16" drill bit. **Note:** Pilot hole must bore into 3 inches of solid wood for lag screw to be fully secured.



- 6** Install ceiling mounting angle into joist using two 1/4" x 3" lag bolts, two 1/4" washers and a 7/16" socket.



- ! Note:** Make sure the lag bolts are tight against the joist but **DO NOT** over-tighten the lag bolts.

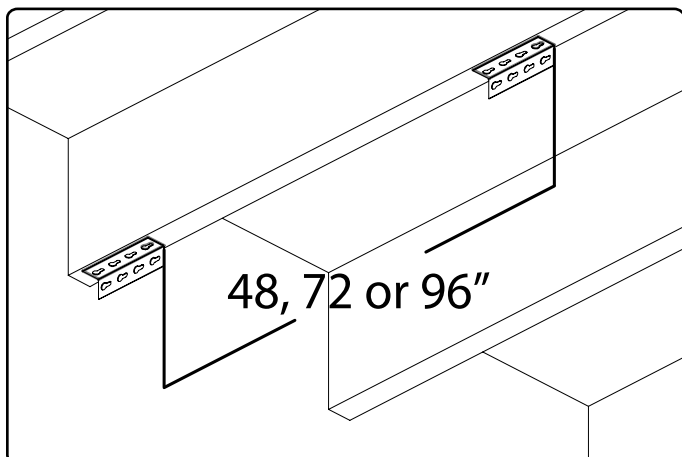
If lag bolts are over-tightened, the bolt could snap or the hole may be stripped.

Warning:

VersaRac is designed for installation into wooden ceiling joists only.

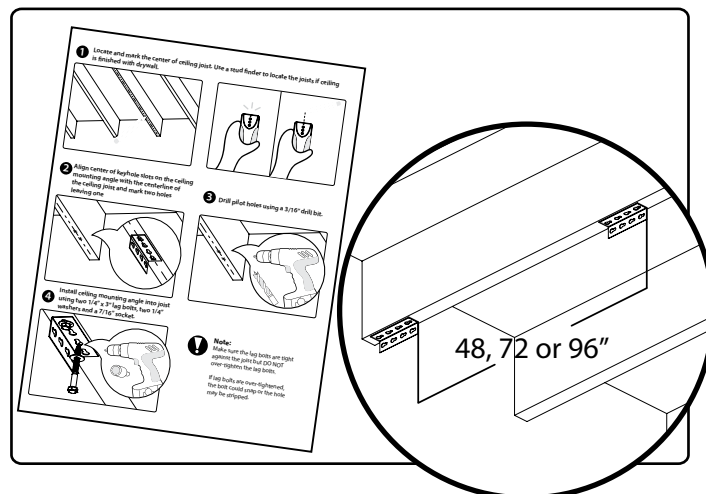
If the construction of your ceiling is using engineered ceiling joists, please refer to "Fastening to Engineered Joists" on page 14.

- 7** Depending on the VersaRac size and orientation as determined on page 6, measure 48, 72 or 96" from the installed ceiling mounting angle to determine the location of the second ceiling mounting angles.

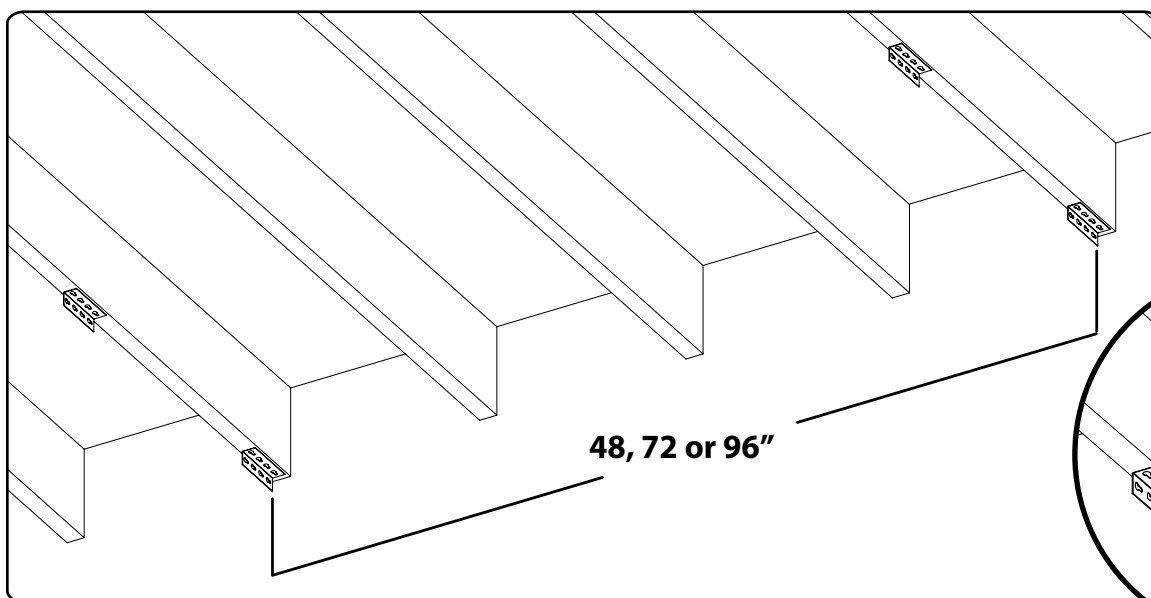


Note: Ceiling Mounting Angles must be measured from the same end of the bracket.

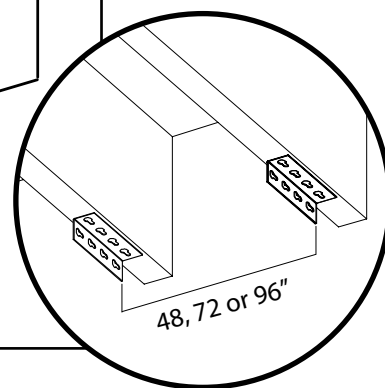
- 8** Repeat steps 1 - 4 to install the second ceiling mounting bracket in the same orientation as the first.



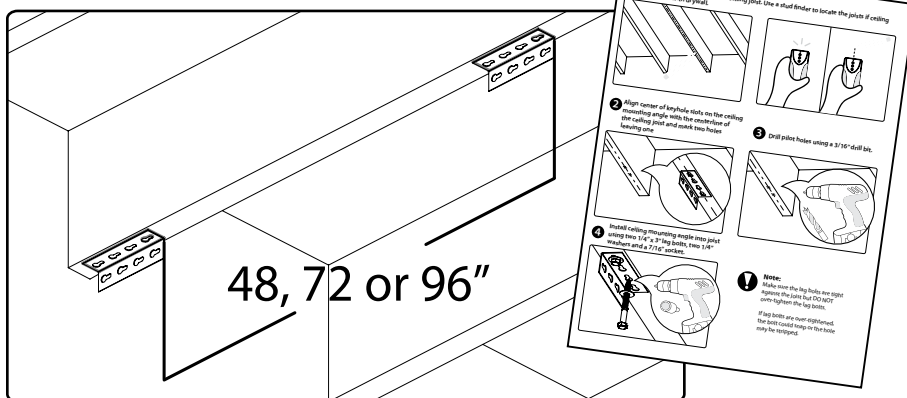
- 9** Depending on the VersaRac size and orientation that best suits your application, measure 48, 72 or 96" from the installed ceiling mounting angles to determine the location of the remaining ceiling mounting angles



Note:
Measure ceiling mounting angles from the same side of bracket.



- 10** Repeat steps 1 - 4 to install the remaining ceiling mounting brackets in the same orientation.



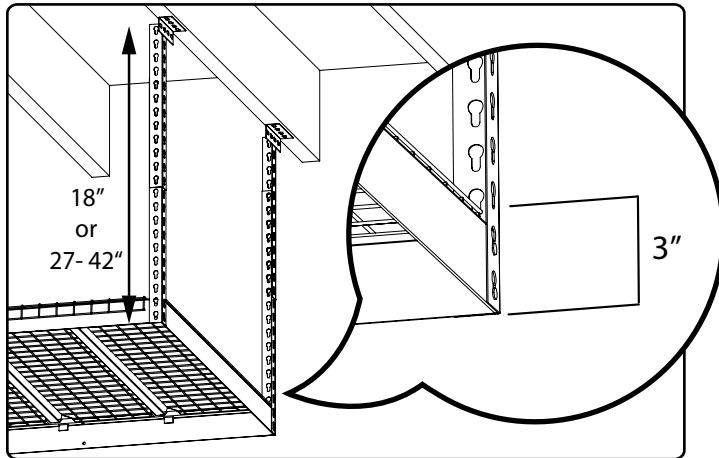
Note:

If the spacing of your ceiling joists does not match the preferred assembled size and direction of your VersaRac installation you will need to install a joist in the correct position.

Please refer to "Installing a Joist Hanger" on page 12 to install a ceiling joist in the desired position.

Install Vertical Angle Posts

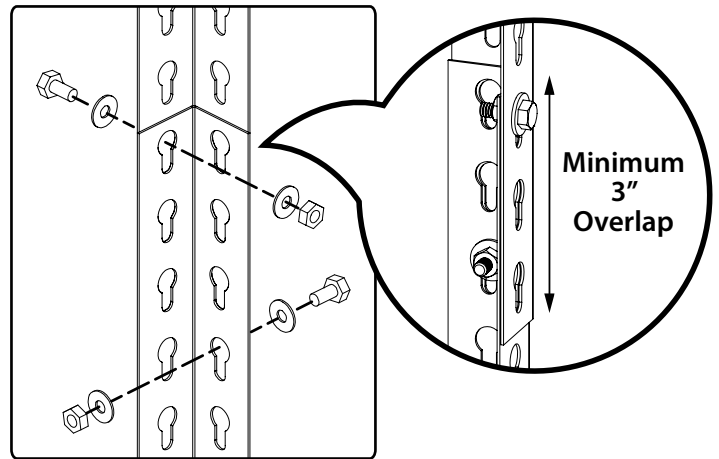
- 11** Determine desired height of VersaRac from Ceiling to bottom of the overhead rack.



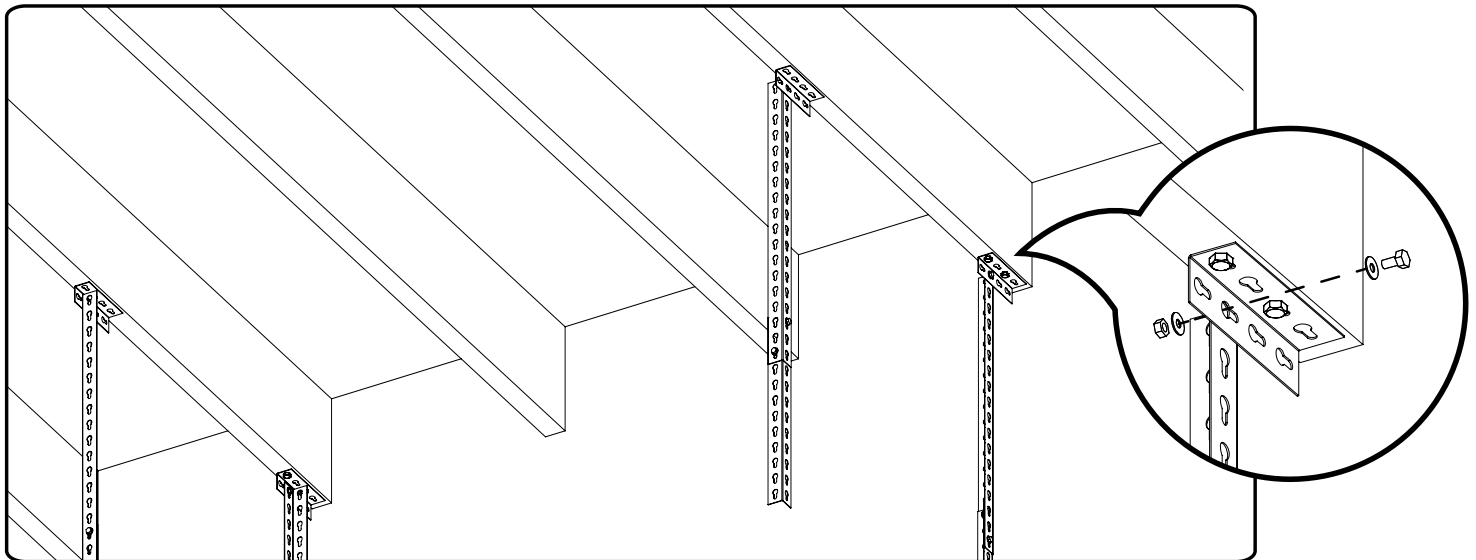
Note: Storage space will be 3" shorter than the full height of the VersaRac

- 12** If desired height is greater than 18", Bolt an 18" vertical angle post to a 27" post with two 1/4" x 3/4" bolts, two 1/4" lock nuts and four 1/4" washers. Use one bolt on each side of the post with keyholes in the same direction.

Repeat for the remaining vertical angle posts.

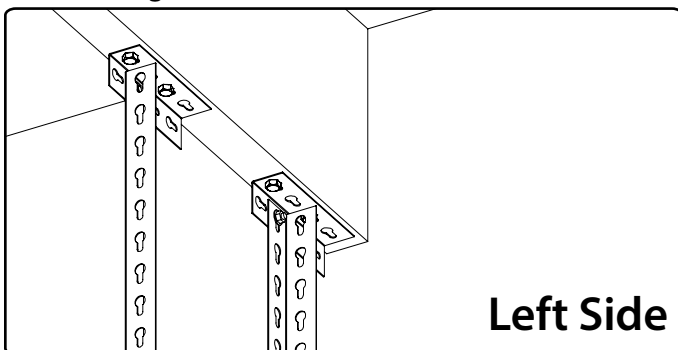


- 13** Bolt vertical angle posts to ceiling angle brackets with the large end of the keyslot on top using a 1/4" x 3/4" bolt, a 1/4" lock nut and two 1/4" washers for each post. Vertical angle posts should be orientated so that they form the corners of the VersaRac.

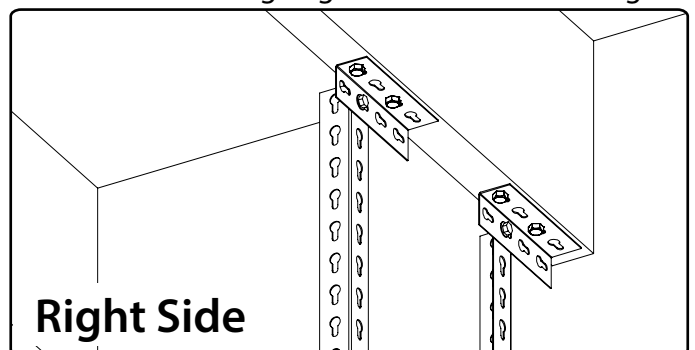


Note:

Vertical Angle Post on the left will be installed on opposite sides of the ceiling angle brackets from the right.



Left Side



Right Side

Assemble and Install Perimeter Beams

- 14** Bolt together Long Perimeter Beams A and B at the desired 6' or 8' (72" or 96") length assembly. Use four 1/4" x 3/4" bolts and 1/4" lock nuts with eight 1/4" washers per assembly.

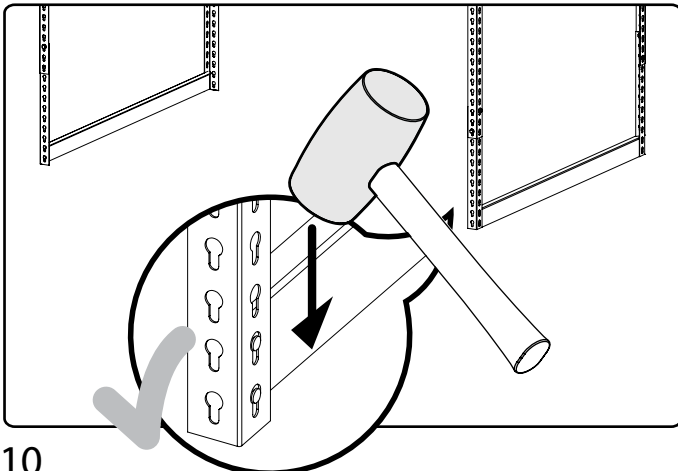
6' Assembly

Note:

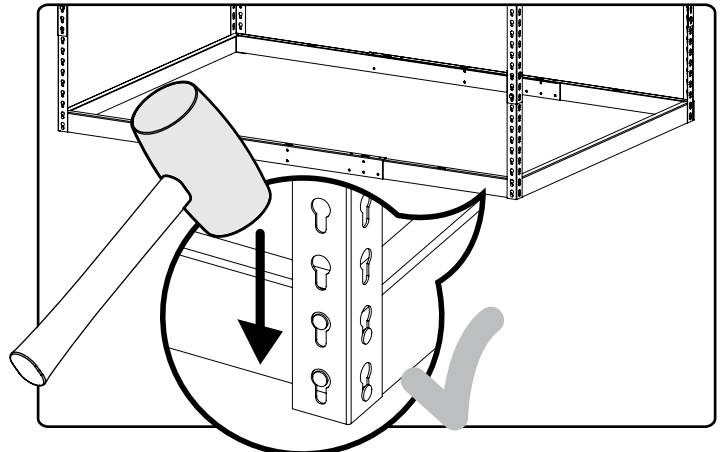
To reduce sag, tighten the bolts on the top of the beams first followed by the bolts on the front of the beams.

8' Assembly

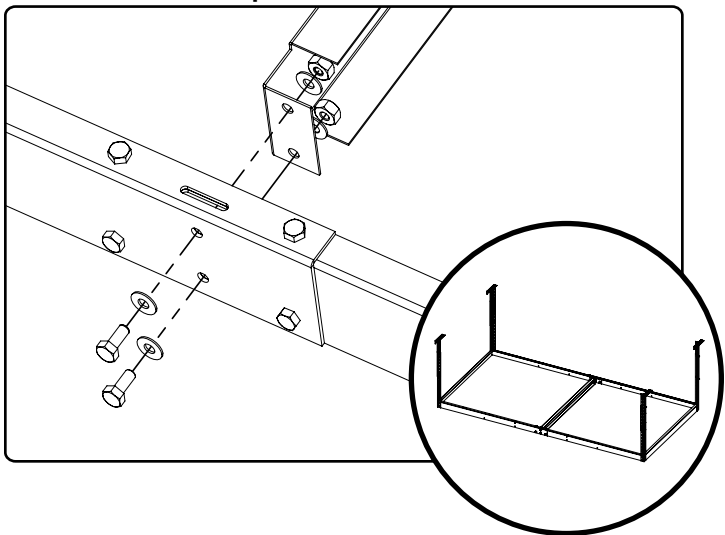
- 15** Install both short perimeter beams into the bottom of the vertical angle posts. Use a rubber mallet to align the rivet nubs with the bottom of the keyholes.



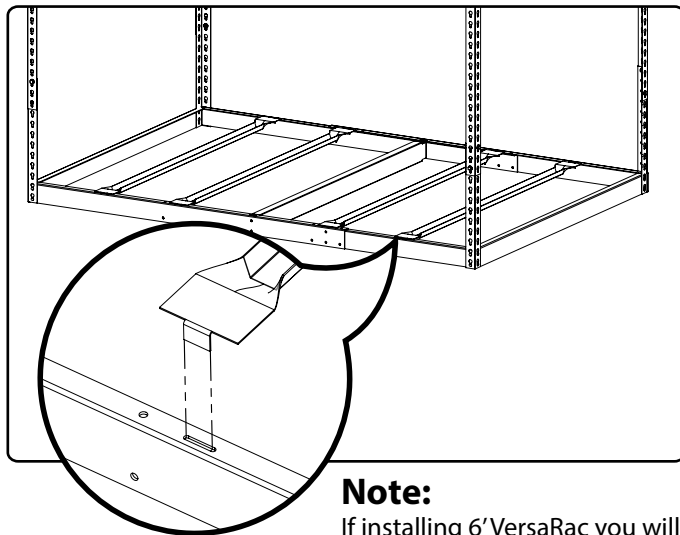
- 16** Install both long cross beam assemblies into the bottom of the vertical angle posts. Use a Rubber mallet to align the rivet nubs with the bottom of the keyholes.



- 17** Bolt the Center Support into the holes found in the middle of the 6' or 8' assembly. Use two 1/4" x 3/4" bolts and 1/4" lock nuts with four 1/4" washers per side.



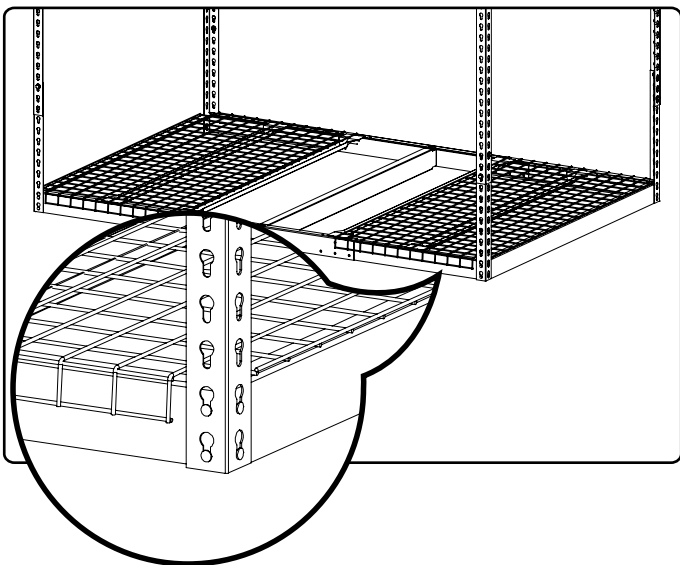
- 18** Place the cross supports into the slots on the top of the long cross beam assemblies.



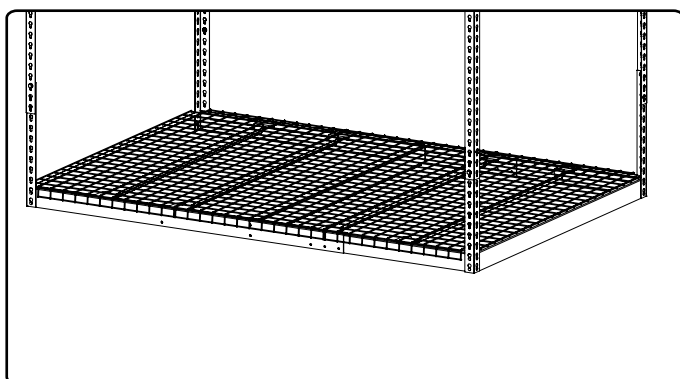
Note:

If installing 6' VersaRac you will have two cross supports left over.

- 19** Place both wire grids with notched corners on the ends of the VersaRac. Notched corners should provide clearance for the Vertical Angle Supports.

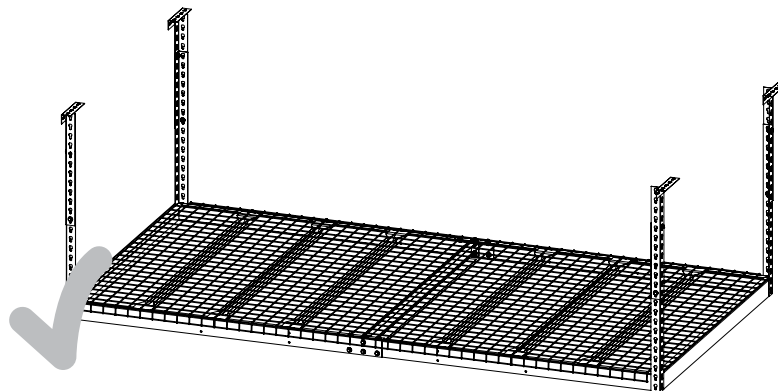


- 20** Place one wire grid between the previously installed grids if installing a 6' VersaRac, or 2 if it is an 8' VersaRac.



Note:

If installing 6' VersaRac you will have one grid section left over.



Warning:



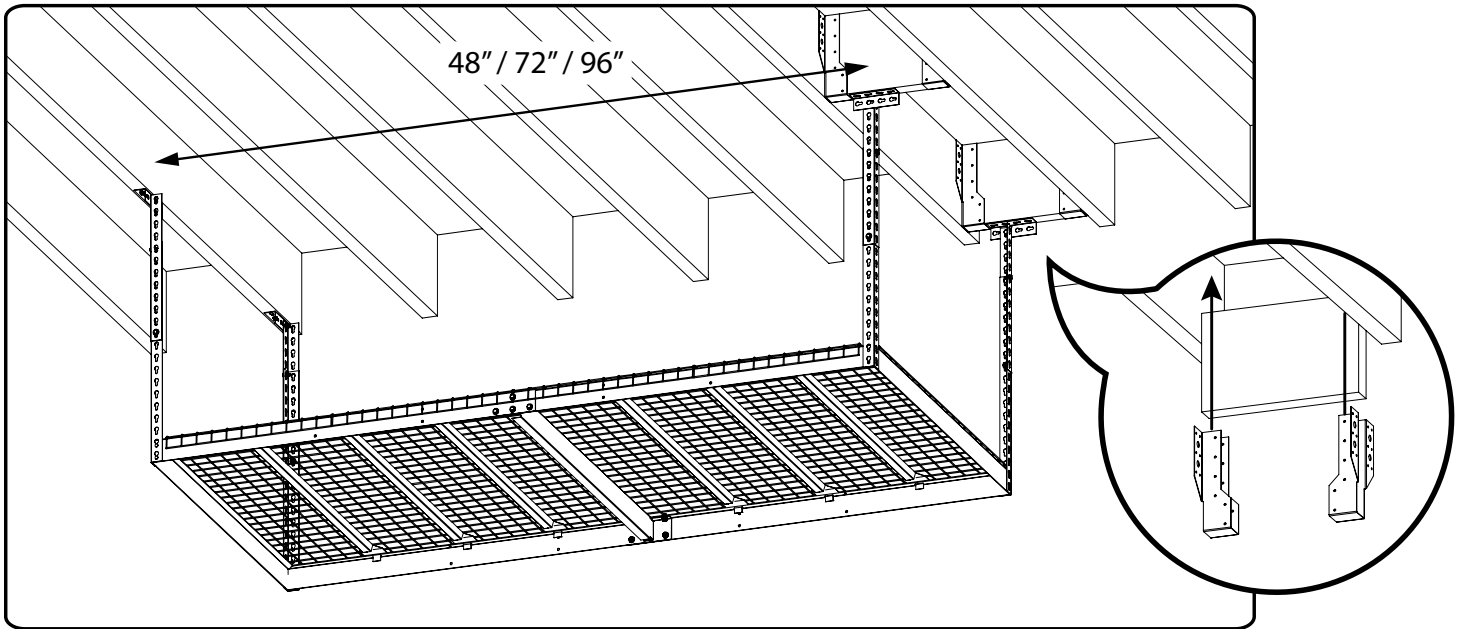
Periodically (at least quarterly) inspect your VersaRac unit to ensure beams are seated properly and brackets are firmly connected to the overhead supports. If there is no sufficient structure, remove the overhead and install the ceiling mounting angles into proper ceiling support.

Installation Tips

Installing a Joist Hanger

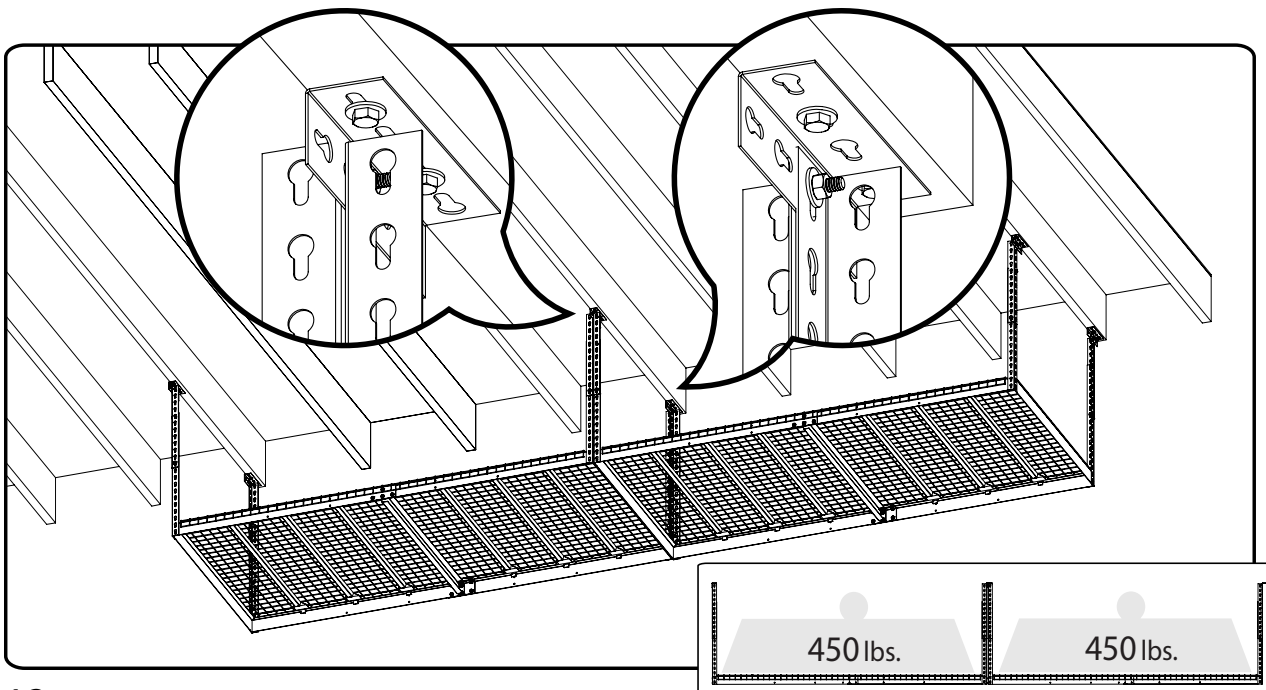
If the spacing of your ceiling joists do not match the desired size and direction of your VersaRac installation you will need to install a joist in the correct position. Please consult your local professional contractor for assistance installing a joist hanger.

Using suitable joist hangers, install two additional wooden ceiling joists in the desired location.
(ceiling joist, joist hanger and hardware not included)



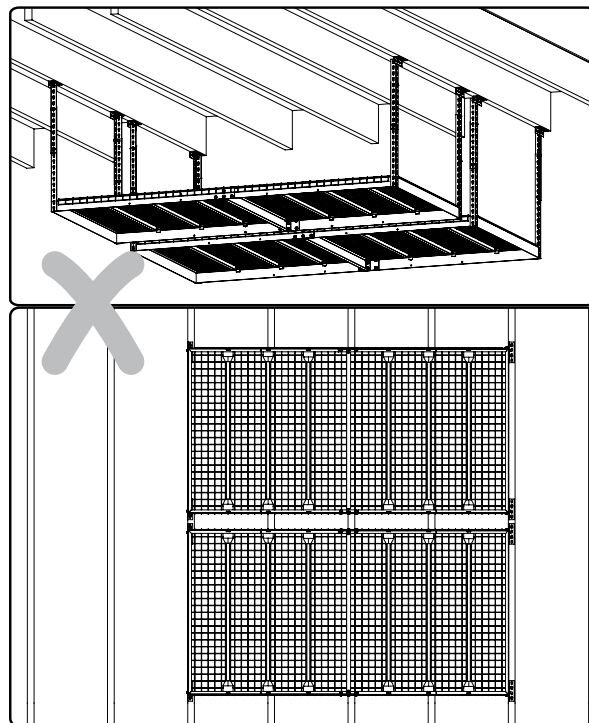
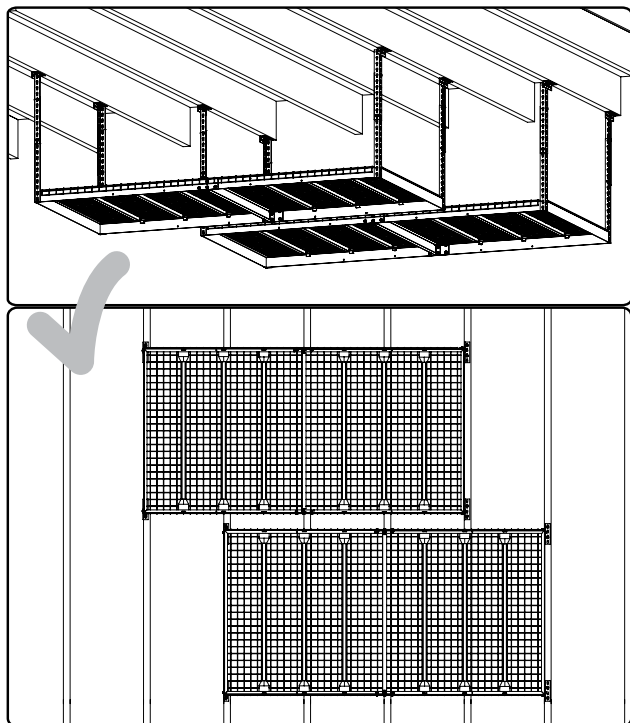
Sharing Ceiling Mounting Angles

Two VersaRac's can be installed with their 4' ends together by sharing the ceiling mounting angles in the middle. Installing VersaRac's in this configuration reduces the evenly distributed weight capacity from 600lbs per overhead rack to 450lbs per overhead rack.



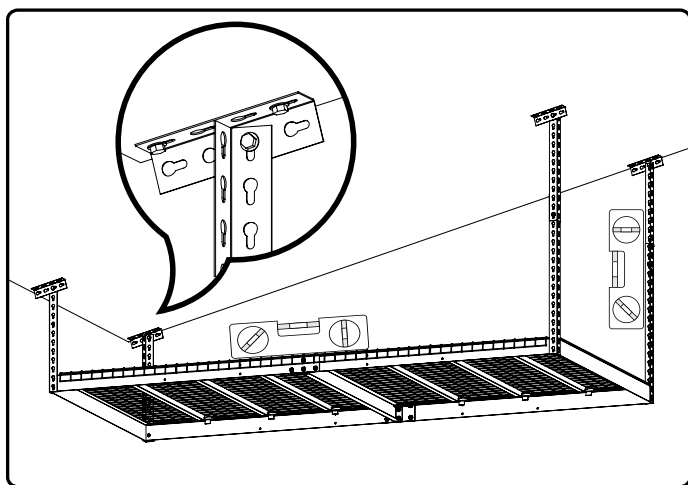
Spacing VersaRac's

Never install more than one VersaRac unit on any two overhead ceiling joist supports.



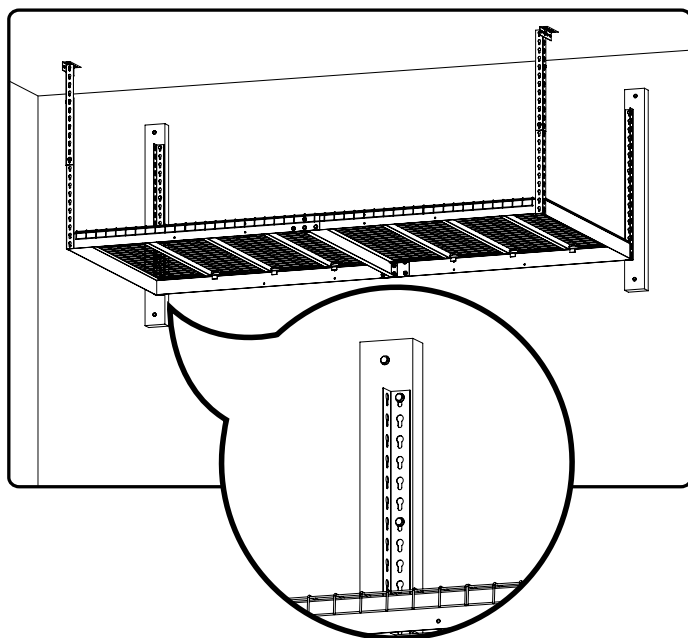
Installing on Slanted Ceiling

VersaRac can be installed on a slanted ceiling by adjusting the length of the vertical angle post assemblies. The VersaRac must be installed with a horizontally level storage platform, and vertically level vertical angle posts.



Installing against Wall

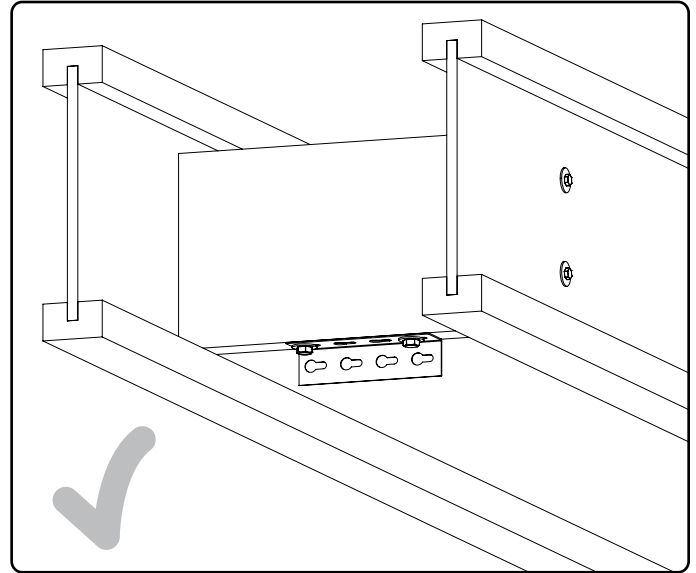
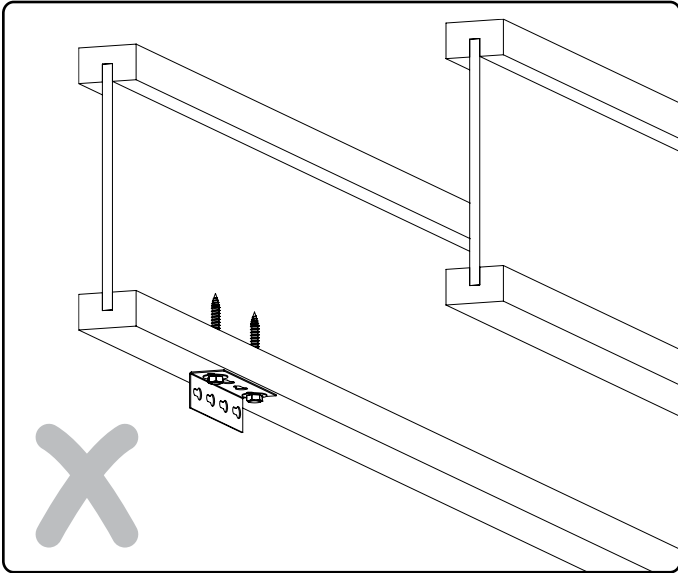
VersaRac can be installed against the wall on one end by bracing a 2in by 4in wood spacer against the wall and bolting the vertical angle irons to the wood spacer. 2in by 4in wood spacer and additional hardware required not included.



Fastening to Engineered Joists

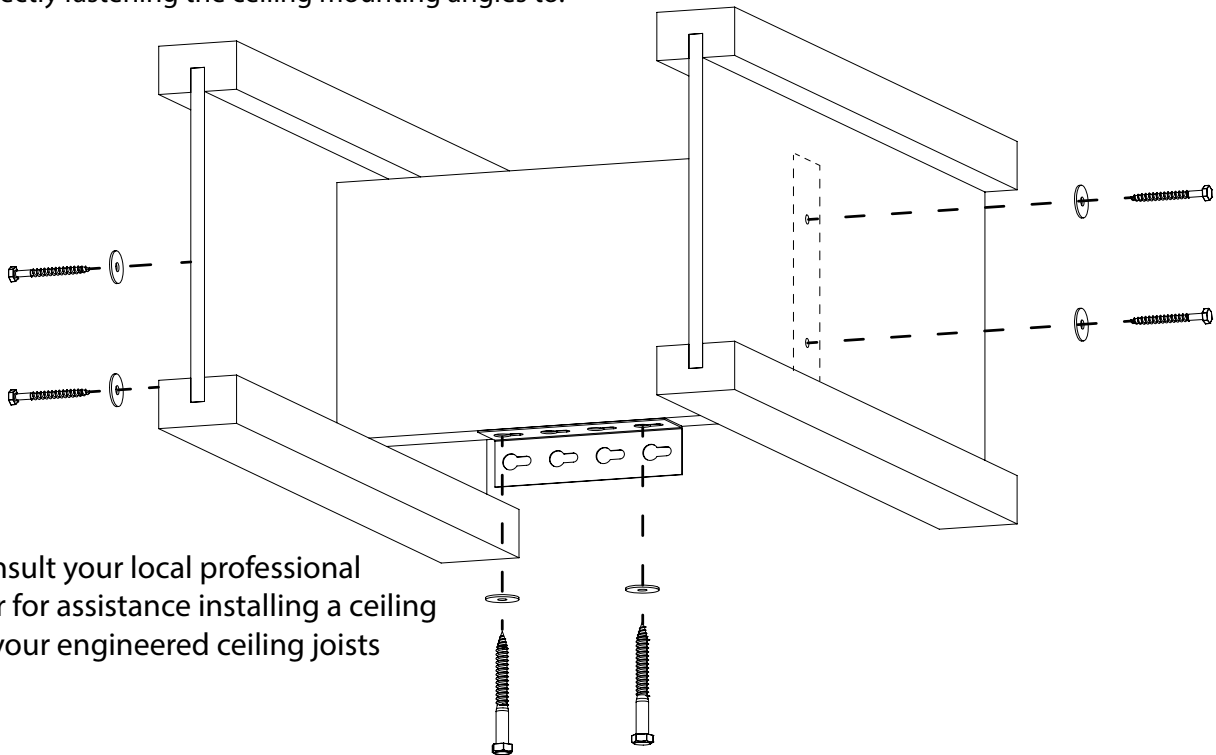
If the construction of your ceiling is using engineered ceiling joists you must install an additional ceiling joist (minimum 2" x 8") perpendicular between two of the engineered ceiling joists.

Install four additional wooden ceiling joists in the required locations for your ceiling mounting angles depending on the VersaRac size and orientation as determined on page 6 (ceiling joist and hardware not included)



Warning:

Engineered ceiling joists are not suitable for directly fastening the ceiling mounting angles to.



Please consult your local professional contractor for assistance installing a ceiling joist into your engineered ceiling joists

Thank you for purchasing a NewAge Product!

Please give us a call or visit online if you have any questions.

Call 1.877.306.8930; for UK 0800.031.4069; e-mail us at info@newageproducts.com