

SHD-V12

MADRAX DIVISION
GRABER MANUFACTURING, INC.

www.madrax.com, email: sales@madrax.com CALL 800-448-7931 WITH QUESTIONS.

General Assembly Instructions:

- 1. Insert plastic caps before assembly.
- 2. Leave all fasteners, screws, nuts, and bolts loose until instructed to tighten.
- 3. Take care to not cross thread fasteners.

Tools: 9/16" Socket with Ratchet 3/8" Socket with Ratchet 7/32" Allen Wrench

Materials: 3/8" x 4 1/2" Zinc Slotted Flat Head Bolt

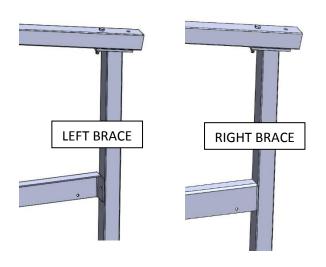
3/8" x 3" Zinc Hex Bolt 3/8" Zinc Lock Washer

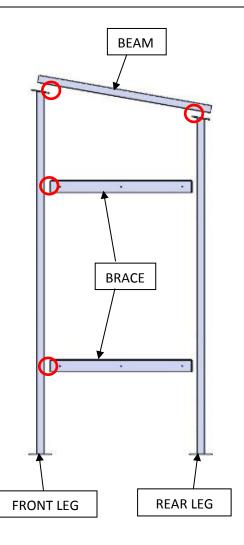
3/8" Zinc Nut

#14 x 1 ½" Zinc Self-Tapping Screws

1/4" Zinc Flat Fender Washer

- 1. Start the shed installation by assembling the sides.
 - a. Lay the SHD-V-FRONT-LEG and SHD-V REAR-LEG with the SHD-V BEAM and (2) SHD-V BRACE as shown. SHD-V BEAM placed so the end that has 7/8" to the first hole is on the SHD-V-FRONT-LEG side. See view below for brace orientation.
 - b. Assemble the SHD-V-FRONT-LEG to the (2) SHD-V BRACE and the insides of both LEGS to the SHD-V BEAM using 3/8" x 3" Zinc Hex Bolt, Lock Washer and Nut.
 - c. Put a bolt through SHD-V REAR-LEG to the back of the SHD-V BRACE but only to hold SHD-V BRACE in place. Those holes will be used later to attach the back of the shed.





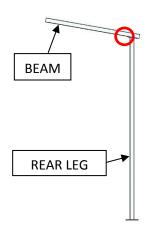


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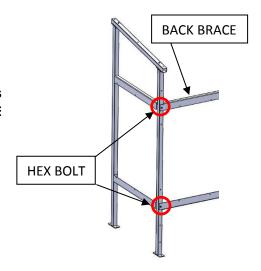
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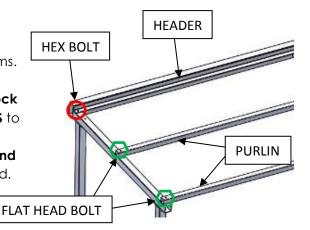
- 2. Assemble the center rear leg.
 - a. Use a 3/8" x 3" Zinc Hex Bolt, Lock Washer and Nut to affix the inside of the third SHD-V REAR-LEG to the SHD-V BEAM.

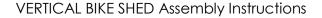


- 3. Lift the sides up and attach the back braces.
 - a. Use 3/8" x 3" Zinc Carriage Bolt, Lock Washers and Nuts to attach the SHD-V12-BACK-BRACE to the sides and center rear leg.



- 4. Secure the purlins and header to the roof beams.
 - a. Use 3/8" x 4" Zinc Slotted Flat Head Bolt, Lock Washer and Nut to attach SHD-V12 PURLINS to the SHD-V BEAMS.
 - b. Use 3/8" x 3" Zinc Hex Bolt, Lock Washers and Nuts to attach the SHD-V12-HDR to the shed.







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- 5. Tighten all fasteners.
- Fasten the SHD-V12 ROOF PANEL to the SHD-12 PURLINS using Self-Tapping Screws and Flat Fender Washers spaced 3" in from the end of the panel and spaced every 8 1/4".

