

MADRAX DIVISION GRABER MANUFACTURING, INC.

SHD-H12

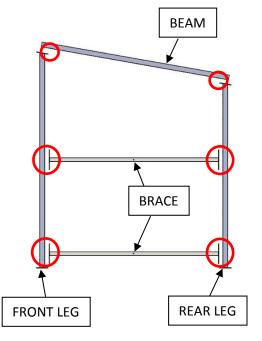
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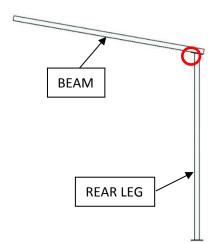
General Assembly Instructions:

- 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 ½" Zinc Slotted Flat Head Bolt 3/8" x 3 ½" Zinc Hex Bolt 3/8" Zinc Lock Washer 3/8" Zinc Nut #14 x 1 ½" Zinc Self-Tapping Screws ¼" Zinc Flat Fender Washer
- 1. Start the shed installation by assembling the sides.
 - a. Lay the SHD-H12-FRONT LEG and SHD-H12-REAR LEG with the SHD-H-BEAM and SHD-H12-BRACE as shown. SHD-H-BEAM placed so the end that has ³/₄" to the first hole is on the SHD-H12-FRONT LEG side.
 - b. Assemble the SHD-H12-FRONT LEG and SHD-H12-REAR LEG to the (2) SHD-H-BRACES and the insides of the legs to the SHD-H-BEAM using 3/8" x 3 ¹/₂" Zinc Hex Bolt, Lock Washer and Nut.





- 2. Assemble the center rear leg.
 - a. Use a 3/8" x 3 ½" Zinc Hex Bolt, Lock Washer and Nut to affix the inside of the SHD-H12-REAR LEG to the SHD-H-BEAM.

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BACK BRACE

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- 3. Lift the sides up and attach the back braces.
- a. Use 3/8" x 3 1/2" Zinc Hex Bolt, Lock Washers and Nuts to attach the SHD-H-BACK-BRACES to the sides and center rear leg. HEX BOLT HEADER HEX BOLT 4. Secure the purlins and header to the roof beams. a. Use 3/8" x 4 1/2" Zinc Slotted Flat Head Bolt, Lock PURLIN Washer and Nut to attach SHD-H12 PURLINS to the SHD-H-BEAMS. b. Use 3/8" x 3 1/2" Zinc Hex Bolt, Lock Washers and Nuts to attach the SHD-H12-HDR to the shed. FLAT HEAD BOLT
- 5. Tighten all fasteners.
- 6. Fasten the SHD-V12 ROOF PANEL with the ROOF PANEL SEAM between to the SHD-H12 PURLINS using Self-Tapping Screws and Flat Fender Washers spaced 4" in from the end of the panel and spaced every 8 1/4".

ROOF PANEL PANEL SEAM

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