

Quick Reference Guide

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Chapter 22 – Building Shed Components

Building Shed Floor	<ol style="list-style-type: none"> 1. Build floor frame using two treated 96" 2x4s and five 93" 2x4s, screw together through end plates into floor joists with two 2½" exterior screws in each. After squaring frame, sheath half of floor frame with one 4'x8' sheet of ¾" treated plywood, secure each corner with one 2 3/8" collated nail then attach rest with 1½" exterior screws spaced 12" apart. See Figs. 22-1 and 22-2 in manual.
Building Shed Walls	<ol style="list-style-type: none"> 2. Build front and back walls each with top/bottom plates 89" 2x4s and studs 80" 2x4s (four studs for front and five for back). Nail through plates into studs using two 3 ¼" collated nails in each. Sheath with ½" OSB, leaving 3½" overhang on each side and 1½" overhang at bottom. Nail into all studs and plates with 8d 2 3/8" collated nails every 8"-12" and. Be sure to leave opening for door in front wall. 3. Build two identical side walls, using four 96" 2x4s and ten 80" 2x4 studs. Sheath with ½" OSB leaving 1½" overhang at bottom. Nail with 2 3/8" collated nails every 8"-12". See Figs. 22-3 thru 22-8 in manual.
Building Roof Framing	<ol style="list-style-type: none"> 4. Create two identical roof sections. 5. Cut two gable end sheathing triangles from a sheet of 4'x8' ½" OSB. <ol style="list-style-type: none"> a. Place truss on OSB, bottom chord flush and centered on the long edge of OSB. Repeat other side, trace, and cut. b. Center a triangle piece on one truss, bottom of OSB flush w/bottom truss chord. Angle nail with 2 3/8" collated nails every 6". This becomes a gable truss. Repeat to create 2nd gable truss. 6. Tie three trusses together to make a roof section. <ol style="list-style-type: none"> a. Cut 2 pieces of 2x4 exactly 4' long to create truss ties. b. Set three trusses on their tails, gable truss to the outside. Place one truss tie over top of bottom truss chord, tight to vertical truss support. Flush ends with outside surfaces of both end trusses. Nail truss tie to truss supports with two 3 ¼" collated nails for each truss. See. Fig. 22-9 in the manual. c. Center middle truss 24" from outside edges of end trusses, nail truss tie to truss support w/ two 3 ¼" collated nails.
Sheathing Roof Sections	<ol style="list-style-type: none"> 7. Sheath both roof sections. <ol style="list-style-type: none"> a. Measure 48" down from the peak of the two end trusses, mark and snap chalk line, repeat on other side. b. Cut two 4'x8' sheets of ½" OSB into four 4'x4' pieces c. Place one 4'x4' OSB piece on the trusses, cut edge flush with the outside edge of the non-sheathed end truss chord, bottom of OSB on the chalk line. Make sure center truss is still centered and end trusses are 48" from outside to outside. Secure OSB at each corner and in center truss then nail with 2 3/8" collated nails every 8-12" along each truss. Repeat for opposite side and for second roof section. d. For bottom row of sheathing, measure from bottom OSB edge to truss tails and add 1¼" to this measurement. Cut two pieces this width from a 4'x8' sheet of OSB lengthwise. Cut each into two 48" lengths. e. Center OSB pieces on trusses and add two H-clips to top of bottom pieces, roughly centered between each truss. Place OSB on the trusses, and finish nailing with 8d 2 3/8" collated nails every 8"-12" along each truss. 8. Store all assembled components flat to avoid warping prior to on-site construction.
Picture time	<ol style="list-style-type: none"> 9. If temporary shed construction is required for photos <ol style="list-style-type: none"> a. Turn floor section upside down and place second piece of treated plywood decking in position. b. Assemble wall sections with one 2½" deck screw into the platform at each end of the bottom plate. Put three 2½" exterior screws in each wall intersection. Make sure all screws are secure. c. Lift the two roof sections and position on the walls bringing the two sections together. Center the sections and take photos. d. Disassemble roof, wall, and floor sections. e. SMILE and take photos. f. Disassemble carefully and stack assembled wall components flat to avoid warping

Quality Points

Chapter 22 – Building Shed Floor, Walls, Roof Components

- Floor and floor sheathing are built with treated 2x4s and treated plywood
- Floor is screwed together through end plates into floor joists with two 2½" exterior screws in each and sheathing screwed with 1⅝" exterior screws, all at correct intervals.
- Wall sections are built to correct size, nailed as specified, with appropriate overhang.
- Roof sections are tied together with truss ties and sheathed at one end. Middle truss is centered.
- Roof sections are sheathed with OSB cut edge flush with outside edge of the non-sheathed end truss chord. Center truss is still centered, and end trusses are 48" from outside to outside.
- Roof sheathing extends 1¼" beyond truss tails and H-clips are in place.