

Quick Reference Guide

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Chapter 22 – Building Shed Floor, Walls, Roof Components

Building Shed Floor	<ol style="list-style-type: none"> 1. Construct two floor frame sections using treated 2 x4s, square frames and sheath with ¾" treated plywood flush with exterior frame surfaces. See Figs. 22-1 and 22-2. Nail w/ 8d's every 6".
Build Shed Walls	<ol style="list-style-type: none"> 2. Construct two identical side walls, square frames, sheath with OSB rough side out, nail w/ 8d's every 6". 3. Construct front and back walls, square frames, sheath with OSB, rough side out, nail w/ 8d's every 6". See Figs. 22-3 through 22-8.
Build Roof Framing	<ol style="list-style-type: none"> 4. Cut two gable end sheathing triangles from a single 4 x 8 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 and cut. b. Center a triangle piece on one truss, bottom of OSB flush w/bottom truss chord. Angle nail with 8d's every 6". This becomes a gable truss. Repeat to create 2nd gable truss. 5. Tie three trusses together to make a roof section: <ol style="list-style-type: none"> a. Set (3) trusses on their tails, gable truss to the outside. Place a 2 x 4 x 4' 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 16d's for each truss. See. Fig. 22-9 b. Center middle truss 24" from outside edges of end trusses, nail truss tie to truss support w/ two 16d's
Sheath Roof Sections	<ol style="list-style-type: none"> 6. Sheath the roof sections: <ol style="list-style-type: none"> a. Measure 48" down from the peak of the two end trusses b. Snap a chalk line on these marks. Repeat on other side c. Cut two 4 x 8 x ½" OSB into four 4 x 4's d. Place one 4 x 4 OSB piece on the trusses, rough side up, factory (uncut) edge flush with the outside edge of the non-sheathed end truss chord, bottom of OSB on the chalk line. Nail two 8d's, one on top, one on bottom into this truss and along the chalk line at each remaining truss. Repeat for opposite side of roof and for second roof section. e. 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 x 8 sheet of OSB lengthwise. Cut each into two 48" lengths. f. Place two H-clips into each bottom piece, about 12" from each end. Place on the trusses, rough side up, short factory edge flush with the outside edge of the non-sheathed end truss chord and the long factory edge abutting the existing OSB piece and nail three 8d's into each truss. g. Finish nailing both OSB pieces with 8d's every 6", Repeat for opposite side of roof and for second roof section. 7. Store all assembled components flat to avoid warping prior to on-site construction
Picture time	<ol style="list-style-type: none"> 8. If temporary shed construction is required for photos: <ol style="list-style-type: none"> a. Set two floor platform sections together, plywood side up b. Set side wall and back wall components in place, c. Using 2 ½" screws temporarily screw each walls bottom plate to floor frame at each end and middle keeping bottom of OSB tight to platform and wall corner tight and flush d. Install next side wall as per 8c above. Make sure corner is tight to the back wall. Screw corner at top, bottom and middle e. Install front wall, with corners tight, and bottom of OSB tight to floor framing. Screw bottom plate to floor on each end and in middle. Secure each corner with three screws, top, bottom and middle f. Lift roof sections in place, clamp center trusses together, center side to side and back to front. g. SMILE and take photos. h. Disassemble carefully and stack assembled wall components flat to avoid warping

Quality Points

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