



10'x16' Garden Shed Plan

Compare our Free vs. Premium plan

This perfectly designed plan will guide you through the entire process of building your very own shed for any backyard or garden.



Check out the benefits you would get with our **premium edition**:

Features	Free plan	Premium edition
Steps count	15	28
Illustrations for Each Step	✓	✓
Print Ready	✓	✓
Step By Step Instructions	✓	✓
Full Materials and Cuttings List	✗	✓
Additional Illustrations	✗	✓
Additional Blueprints	✗	✓
Tools List	✗	✓
Fastening Elements List	✗	✓
Technical Support	✗	✓

BUY NOW

10'x16' Garden Shed Material List

Site Preparation

- Concrete
- Bricks

Bottom Frame

- Pressure-Treated Lumber
- Plywood

Wall Frames

- Pressure-Treated Lumber

Shed's Roof

- Pressure-Treated Lumber
- Pressure-Treated Board
- Plywood
- Building paper
- Asphalt shingles
- Metal drip edge

Shed's Window

- Pressure-Treated Lumber
- Window beading
- Glass

Shed's Window Shutter

- Pressure-Treated Lumber

Shed's Pergola

- Pressure-Treated Lumber

Shed's Door

- Pressure-Treated Lumber
- Wood siding boards
- Plywood

Walls Exterior Siding

- Pressure-Treated Lumber
- Wood siding boards

Top Frame

- Pressure-Treated Lumber

Fasteners & Hardware

- Door hinges
- Door pulls
- Surface bolt
- Window lock
- Wood square louver gable vent
- Galvanized nails
- Wood screws

Drainage System

- Half round gutter
- End pieces with outlet
- 45° elbow
- Drainage pipe
- Joint connector
- End cap
- Round hunger
- Wall fastener

Door Ramp

- Pressure-Treated Lumber
- Plywood

STEP 1

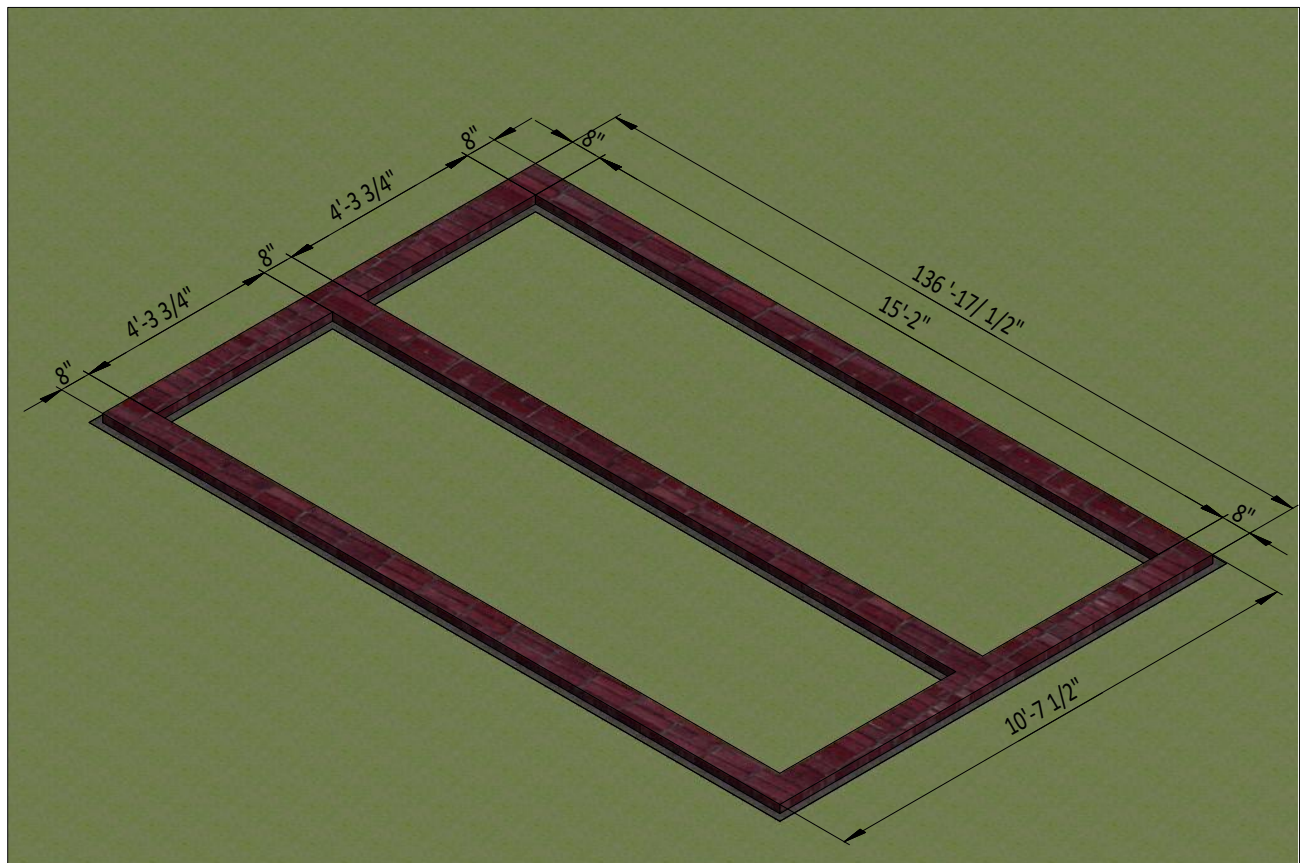
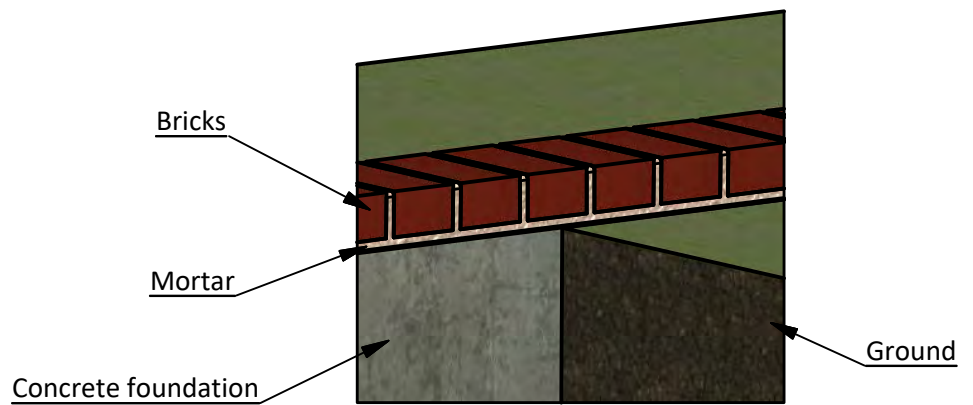
Foundation Preparation

1.1 Clear the area where you want to build the shed and layout for the foundation. Use the below illustration as a guide.

1.2 For the foundation, dig the trenches at least 1' wide and 1' deep.

1.3 Fill the trenches to ground level with concrete and let cure, or harden. Since curing times vary between brands, read the packaging for recommended curing times.

1.4 Once the concrete has cured, use standard-sized bricks and lay them across the foundation. You will need roughly 200 bricks for this step.



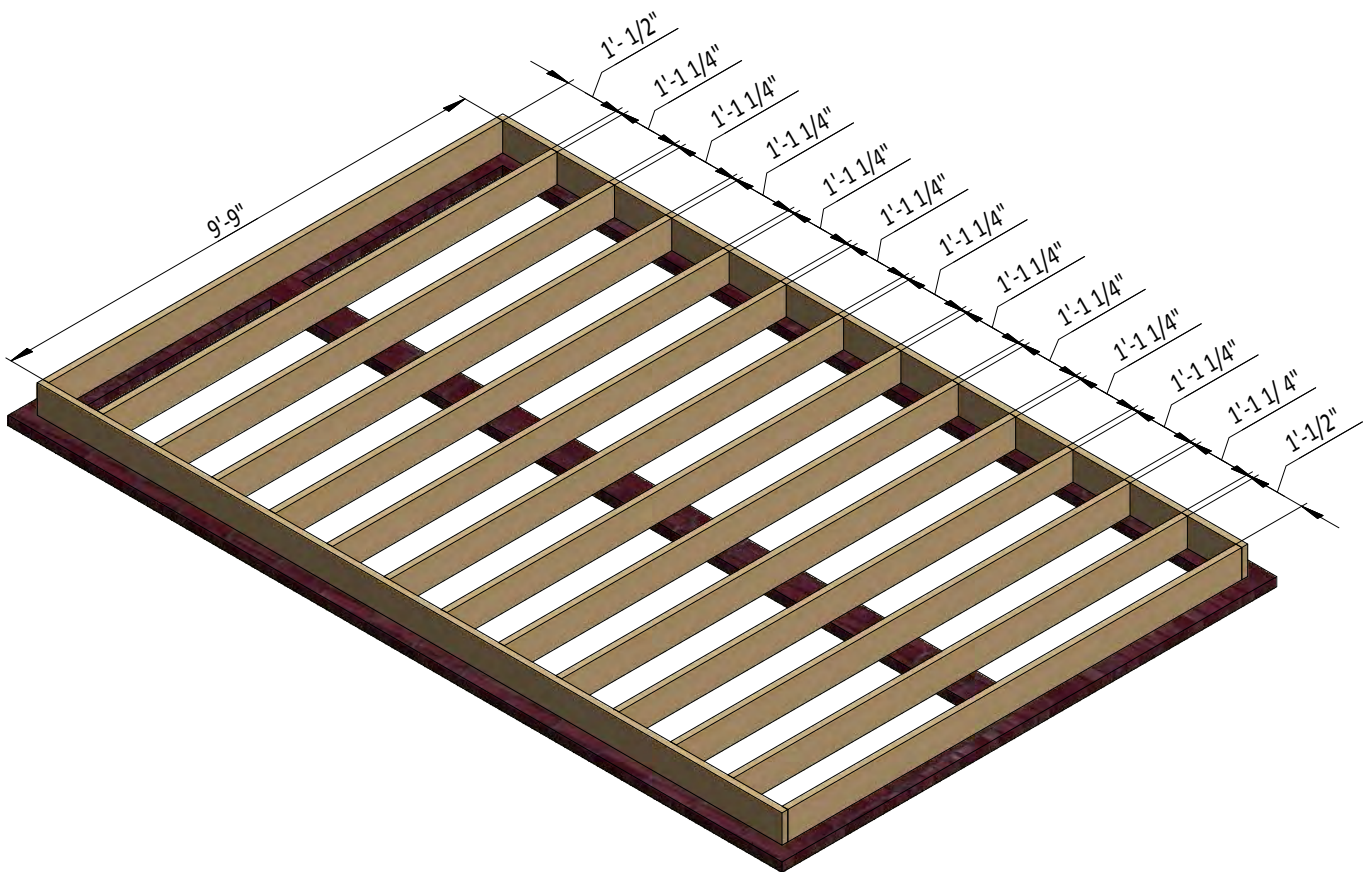
STEP 2

Framing the Floor

2.1 Assemble the frame using 1 1/2" x 7 1/4" pressure-treated lumber. You will need 12 boards cut to 9'-9" that will be the joists.

2.2 Secure the beams with 8x5" wood screws.

2.3 Using a speed or carpenter's square, check the corners to make sure they are 90°.



STEP 3

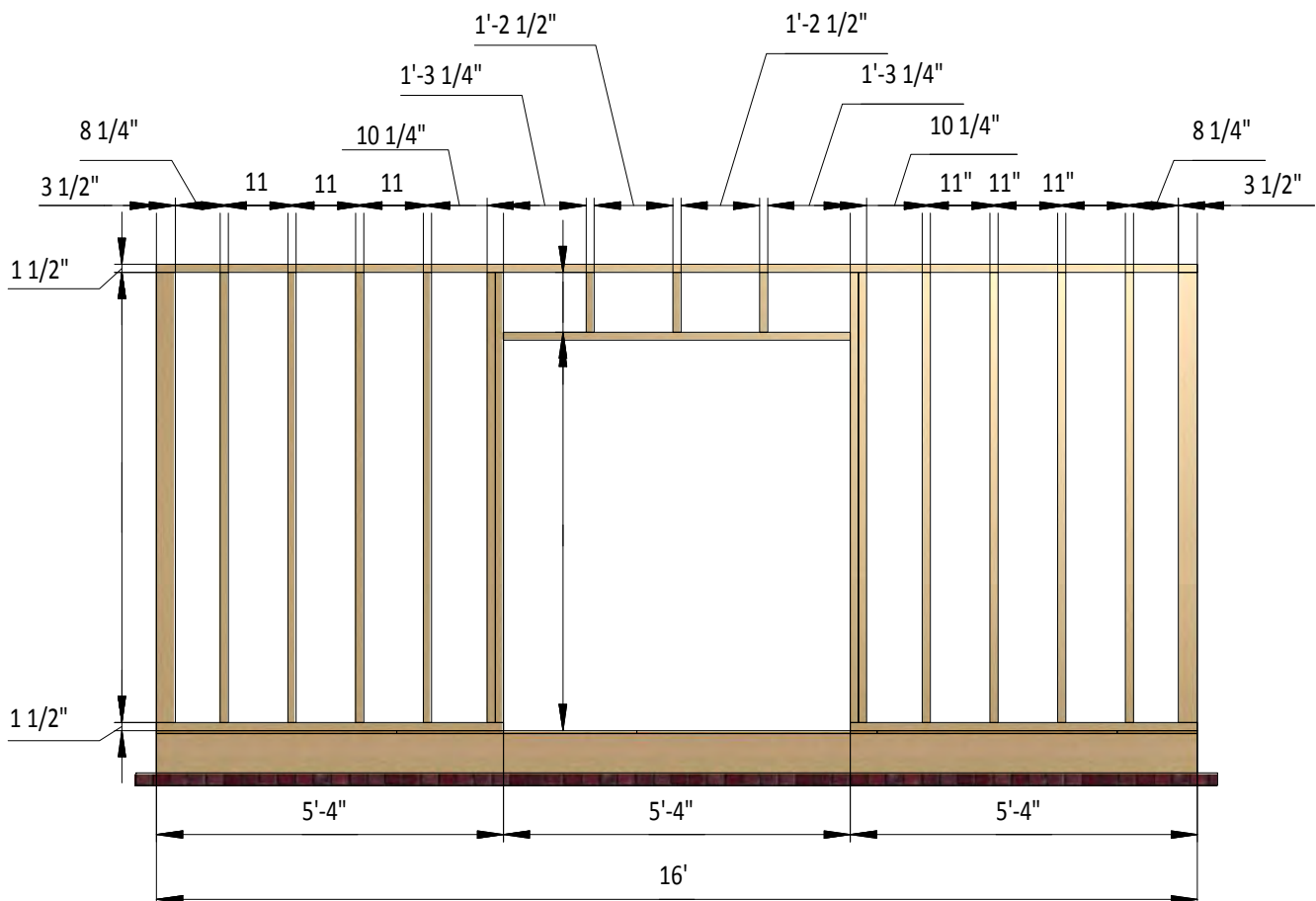
Assemble Front Wall Frame

3.1 Using 1 1/2" x 3 1/2" and 3 1/2" x 3 1/2" pressure-treated lumber, construct the front wall frame using the drawing below as a guide.

You will need three boards cut to 11" that will be the cripple studs;
One board cut to 5'-4" that will be the door header;
Fourteen boards cut to 6'-11" that will be the studs;
Two boards cut to 5'-4" for the bottom plates; and
One board cut to 16' for the top plate.

3.2 Join the beams with 2x4" flat head Phillips wood screws.

3.3 Using a square, check the corners to make sure they all are 90°.



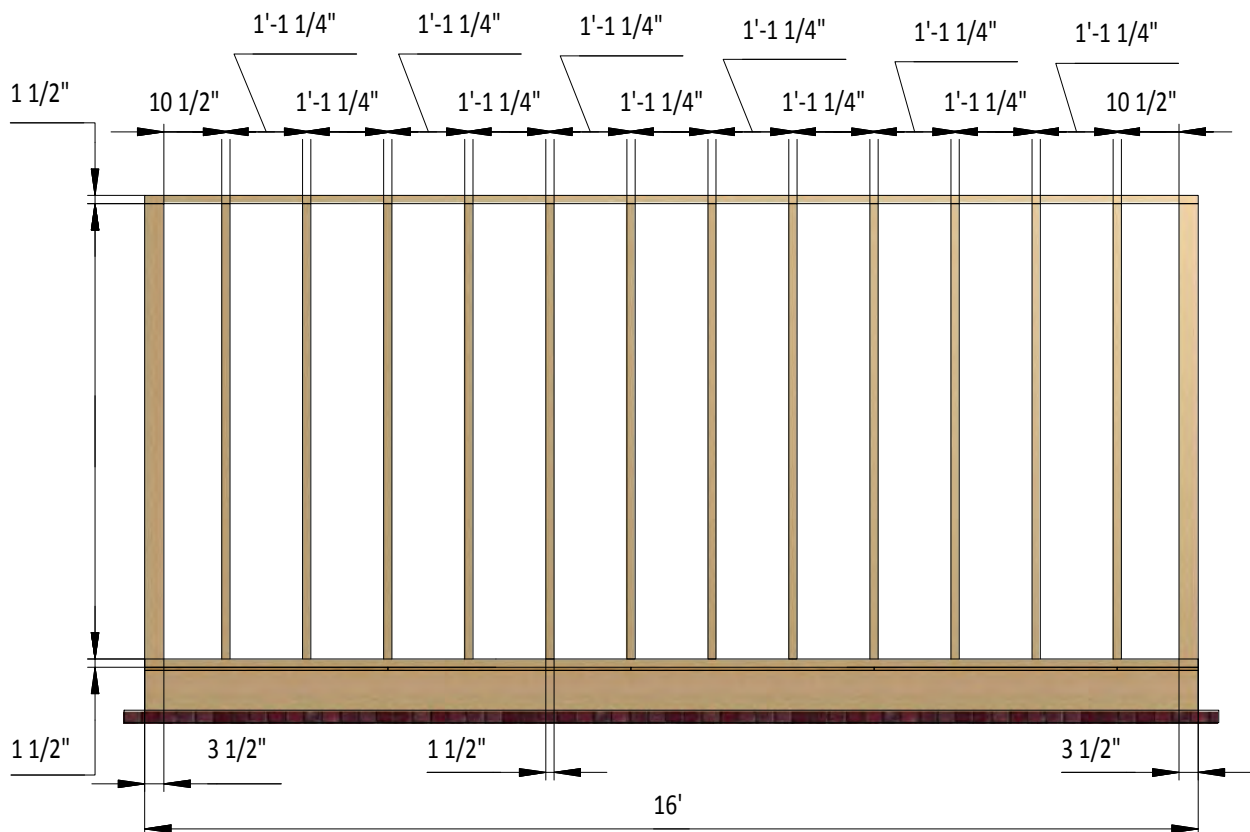
STEP 4

Assemble Back Wall Frame

4.1 Using 1 1/2" x 3 1/2" and 3 1/2" x 3 1/2" pressure-treated lumber, build the back wall frame for the garden shed using the drawing below as an example. You will need 14 boards cut to 6'-11" for the vertical studs and two boards cut to 16' for the top and bottom plates.

4.2 Assemble the beams together with 2x4" Phillips flat head wood screws.

4.3 Using the square of your choice, check the corners to verify that they are 90°.



STEP 5

Assemble Left and Right Wall Frames

5.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, construct side wall frames using the drawing below as a reference.

You will need four boards cut to 5 1/2" that will be the cripple studs;

Four boards cut to 2'-10 1/2" that will be the studs;

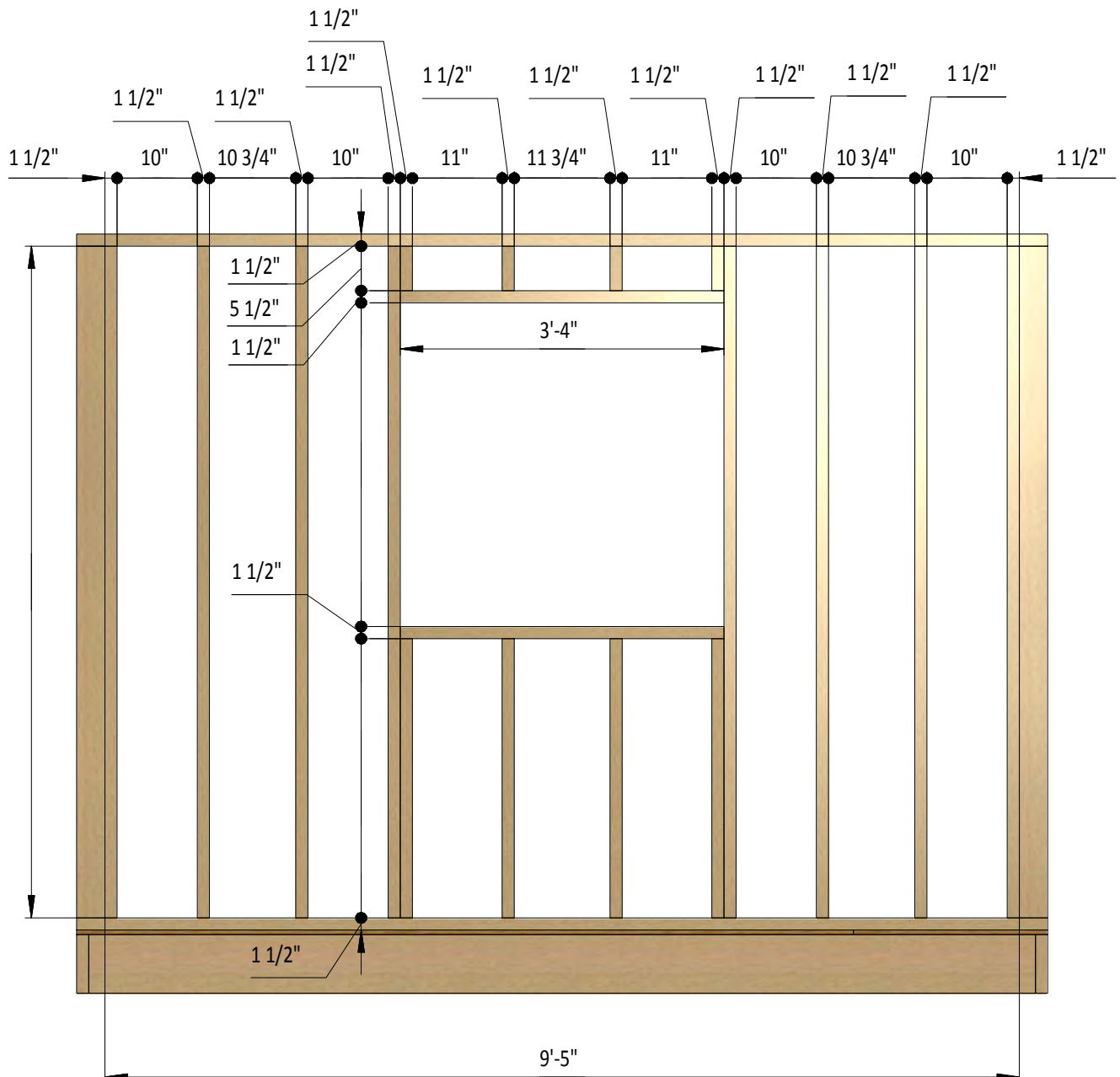
Two boards cut to 3'-4" that will be the window header and rough sill,

Eight boards cut to 6'-11" that will be the studs; and

Two boards cut to 9'-5" that will be the top and bottom plates.

5.2 Connect the beams with 2x4" Phillips flat head wood screws.

5.3 Using a square, verify that all the corners are 90° .



STEP 6

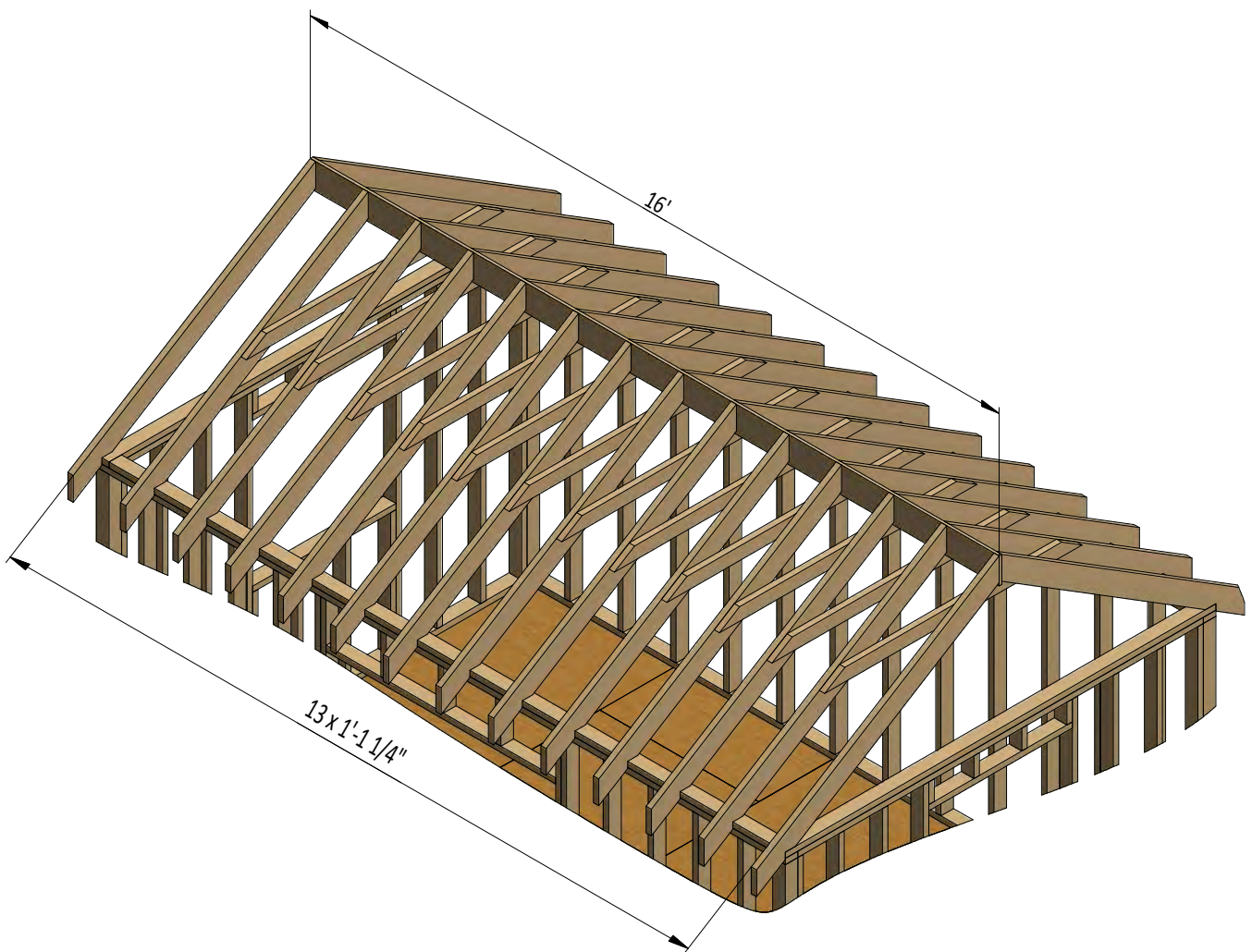
Assemble the Roof Frame

6.1 Using 1 1/2 " x 5 1/2 " pressure-treated lumber, cut 28 rafters 6'-11" long according to the dimensions shown.

6.2 Using 1 1/2 " x 3 1/2 " pressure-treated lumber, cut 12 collar ties 5'-11 3/4" long according to the sizes shown.

6.3 Using 3/4 " x 7 1/4 " pressure-treated board, cut the ridge board 16' long as shown below.

6.4 Join the beams with 2x3" Phillips flat head wood screws.

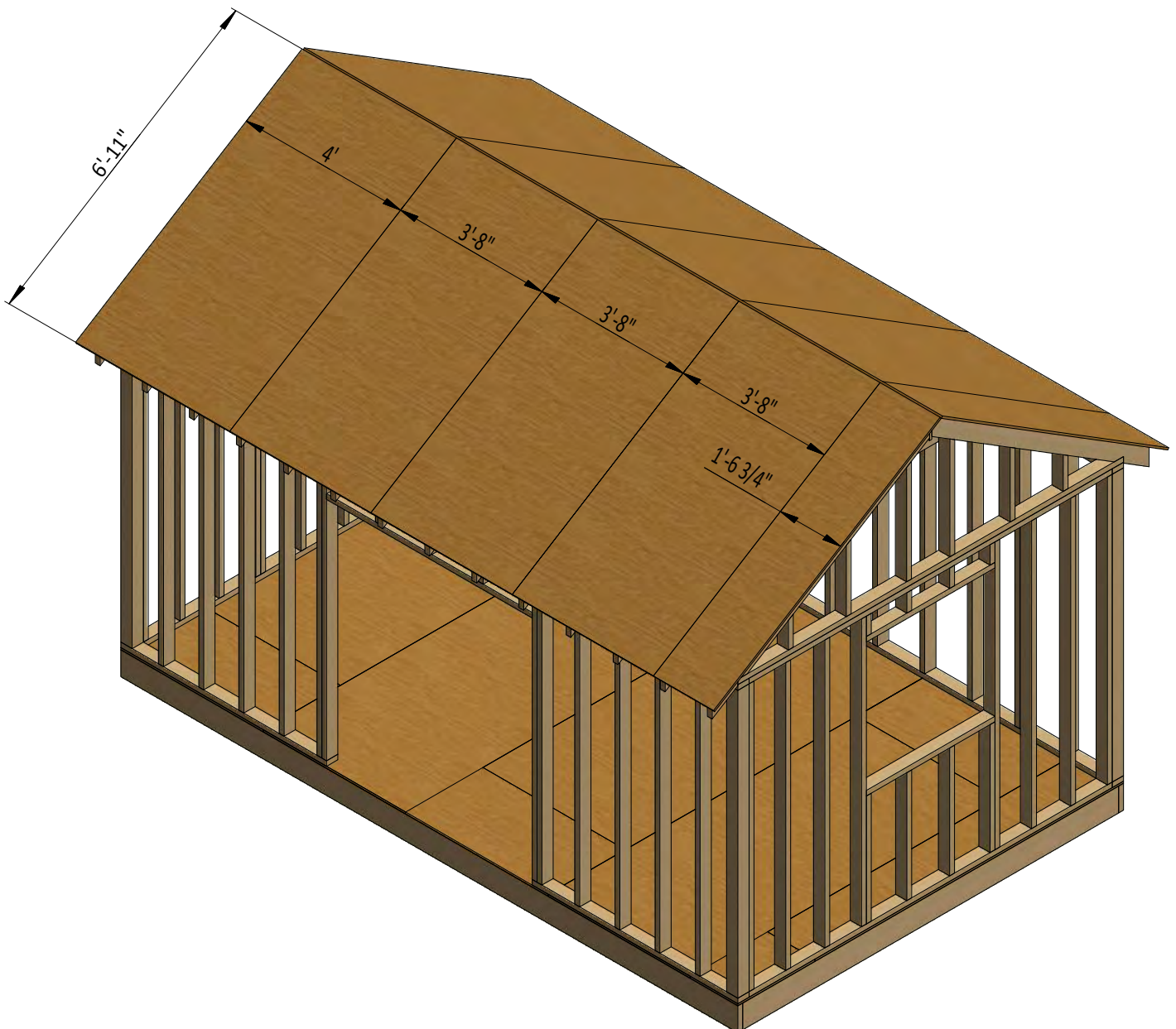


STEP 7

Install Plywood for the Roof

7.1 Cut sheets of 9/16" plywood for the roof decking using the drawing below as a layout guide. You will need two 4' x 6'-11" sheets, six 3'-8" x 6'-11" sheets and two 1'-6 3/4" x 6'-11" sheets for this storage shed roof.

7.2 Secure the plywood with 2" Phillips flat head wood screws.



STEP 8

Assemble and Install Shed Doors

8.1 Build the door frames for the shed using 1 1/2 " x 3 1/2 " pressure-treated lumber and secure with 5" flat head Phillips wood screws. Cut two boards to 5'-11 3/4" that will be the vertical girts and two boards cut to 2'-3/4" for the horizontal girts.

8.2 Cut the 9/16" plywood sheet into two 2'-7 3/4" x 5'-11 3/4" sections for the doors according to the drawing for the garden shed.

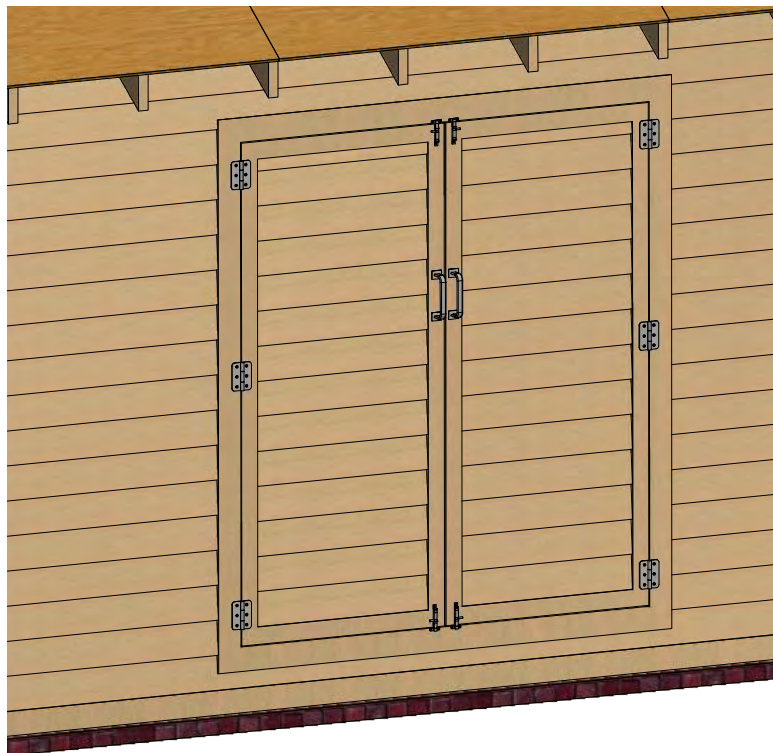
8.3 Use 2 1/2 " x 3/4 " pressure-treated lumber for the door trim and fasten with 2" flat head wood screws. You will need two boards cut to 2'-2 3/4" and two boards cut to 5'-11 3/4" for the trim.

8.4 Using 1/4 " x 3/4 " pressure-treated lumber, cut and install a starter course 2'-2 3/4" long.

8.5 Use 1/2 " x 6" wood siding boards for the door and use the illustration below as a reference.

8.6 Assemble the siding shields with 2" galvanized nails.

8.7 Install three 3" door hinges and fasten to the shed's door frame using 6x1" wood screws. Finish the door installation by attaching 4" surface bolts and 6" door pulls.



STEP 9

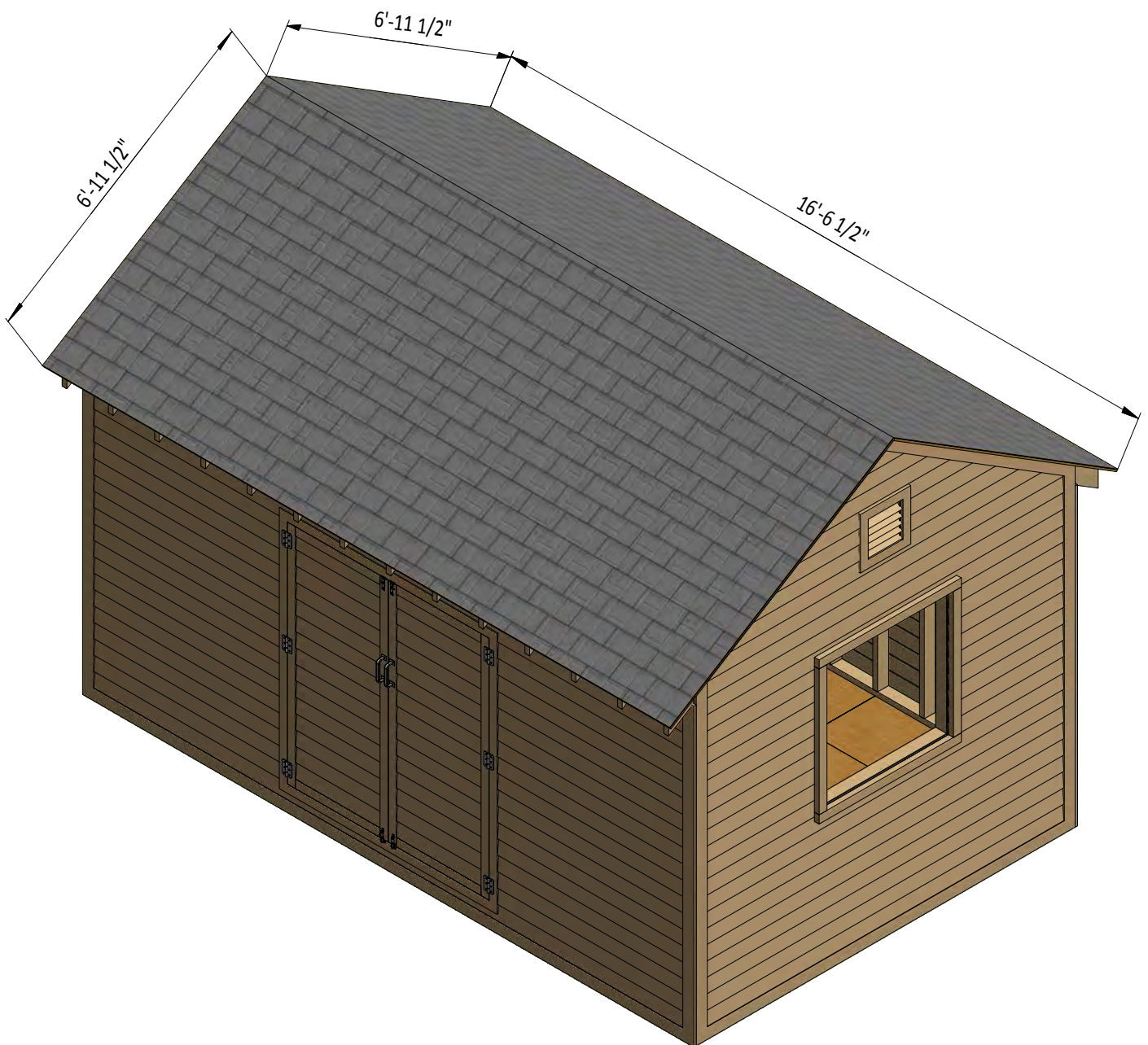
Roof Sheathing Installation

9.1 You will need 235 Sq Ft of asphalt shingle roofing using the color and quality of your choice.

9.2 Add the metal drip edge to the fascias.

9.3 Cover the plywood with roofing paper (roofing felt).

9.4 Install asphalt shingle roofing using an industrial stapler or hammer using roofing nails.



STEP 10

Window Installation for Left and Right Walls

This garden shed requires two windows whose instructions are in this section.

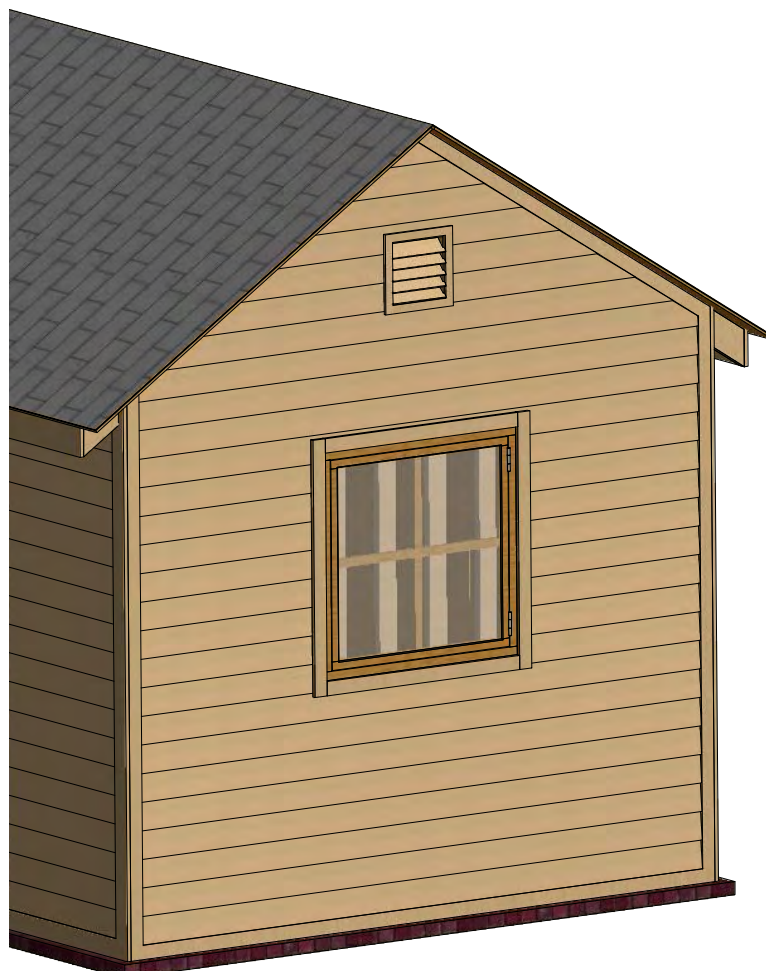
10.1 Using 1 1/2 " x 2 1/2 " pressure-treated lumber, put together the outer frame for the window as shown in the illustration below. You will need two boards cut to 3'-1" that will be the vertical pieces and two boards cut to 3'-4" that will be the horizontal pieces. Additionally, add vertical 2'-11 1/2" long and horizontal 3'-1" long supports using 3/4" x 1" boards and cut the recesses for the window hinges.

10.2 Use 1 1/2 " x 1 1/2 " pressure-treated material to make the inner frame and secure with 3" flat head wood screws. You will need two boards cut to 2'-9 3/4" that will be the vertical lengths and two boards cut to 3'-3/4" that will be the horizontal widths. Cut a groove for the glass panes and for the hinges as shown.

10.3 Use 1 1/4 " x 1 1/2 " pressure-treated material to make the inner frame supports and secure with 3" wood screws. You will need two boards cut to 2'-9 3/4" and mill a recess for interconnection.

10.4 Prepare and install glass into inner frame groove and fasten it with window glaze beading on four sides. Use 1/2" galvanized nails.

10.5 Install two hinges (3" with 6x1" flat head wood screws) and assemble the window. Install a lock on the inner side of the window.



STEP 11

Assemble and Install Window Shutters

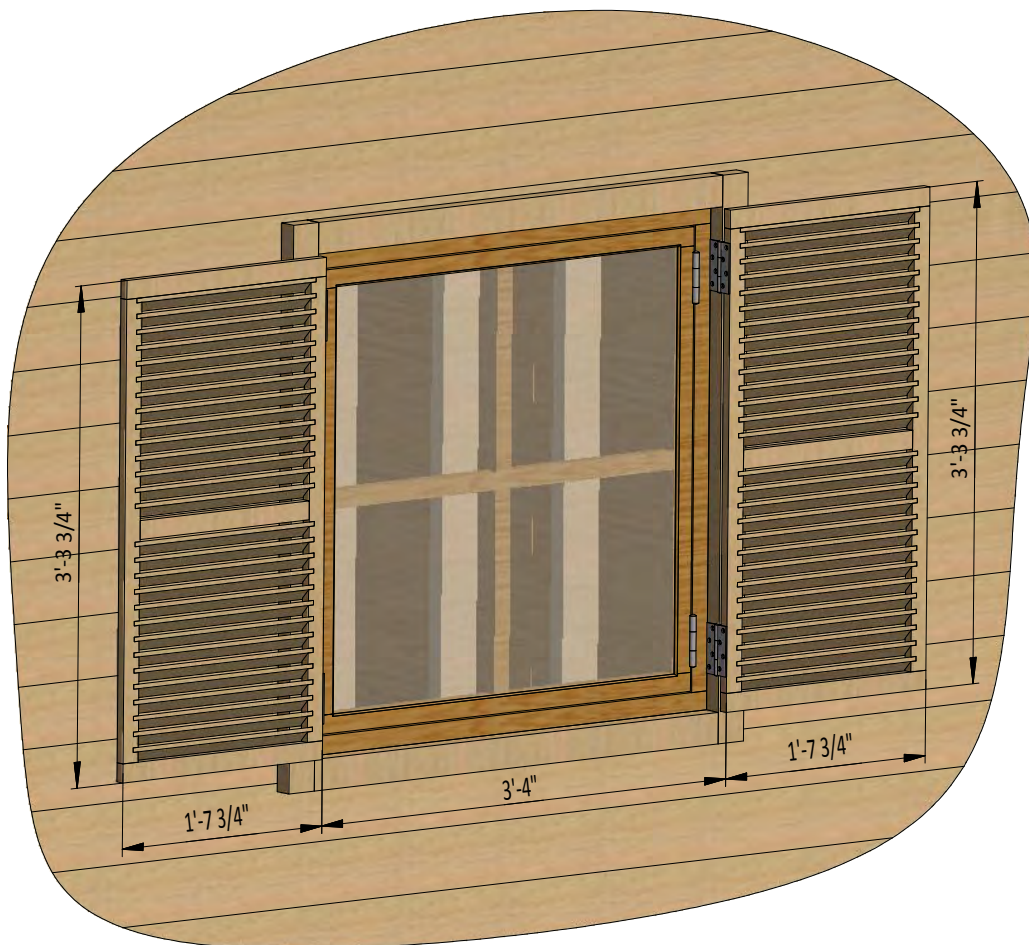
This garden shed plan requires four window shutters.

11.1 Assemble frames using $\frac{3}{4}$ " x $1\frac{1}{2}$ " pressure-treated lumber and secure with 3" flat head wood screws. You will need one board cut to $1'-4\frac{3}{4}"$, two boards cut to $3'-3\frac{3}{4}"$ for the vertical girts and two boards cut to $1'-7\frac{3}{4}"$ for the horizontal girts.

11.2 Mill a recess along the vertical girts for the slats.

11.3 Use $\frac{1}{4}$ " x $1\frac{1}{2}$ " pressure-treated lumber for the shutter slats. You will need 22 boards cut to $1'-5\frac{3}{4}"$.

11.4 Install two 3" door hinges using 6x1" wood screws.



STEP 12

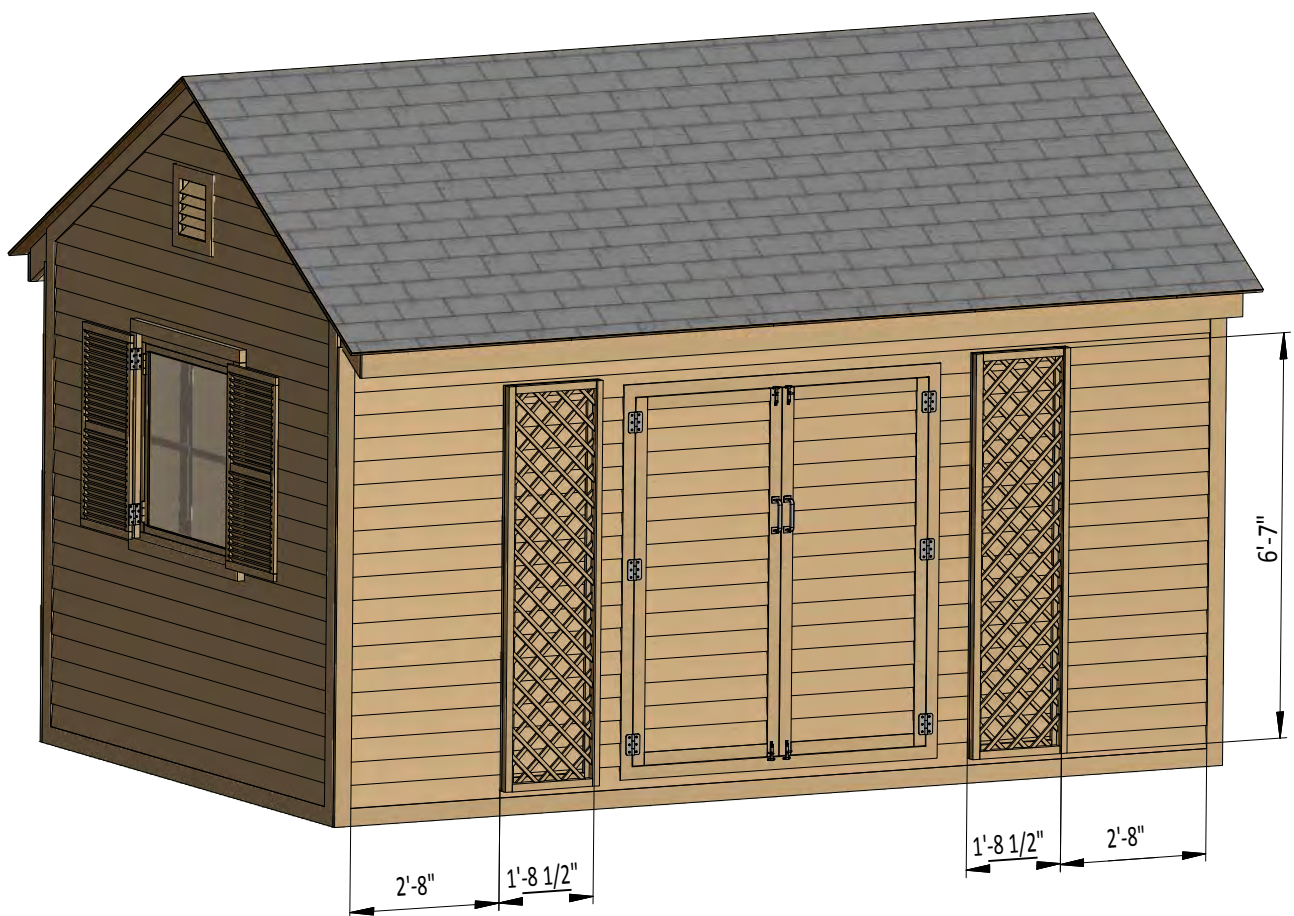
Assemble and Install Pergolas

This plan requires four pergolas.

12.1 Put together the frame using 1 1/2 " x 1 1/2 " pressure-treated lumber and secure with 3" Phillips wood screws. You will need two boards cut to 6'-7" that will be the vertical girts and two boards cut to 1'-5 1/2" for the horizontal girts.

12.2 Assemble the back frame using 3/4" x 2 1/2 " pressure-treated lumber and secure with 5" Phillips wood screws. You will need two boards cut to 6'-7" that will be the vertical girts and two boards cut to 1'-3 1/2" for the horizontal girts.

12.3 Use 3/4 " x 3/4 " pressure-treated lumber for the lattice. You will need thirty six boards cut to 2'-3/4". Assemble according to the drawing.



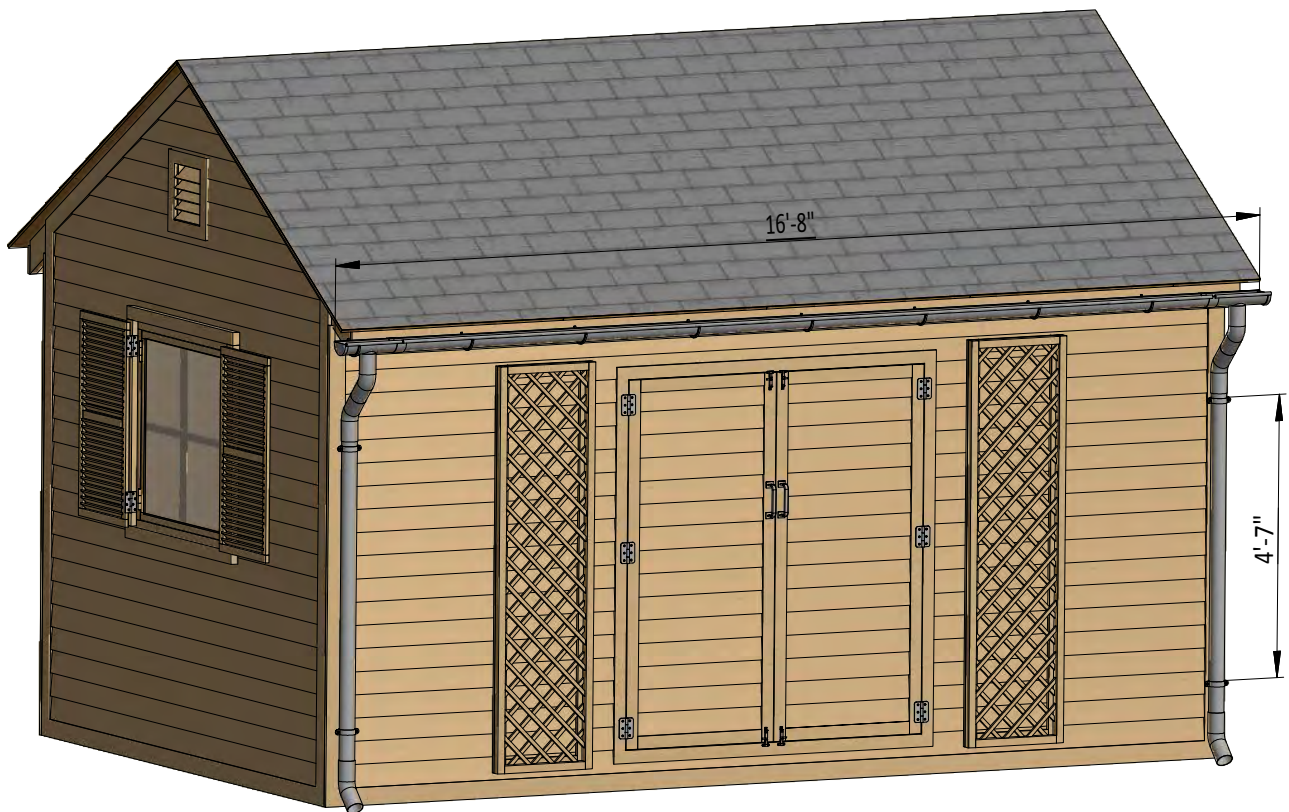
STEP 13

Assemble and Install Roof Drainage System

13.1 Assemble roof gutters on the front fascia board. You will need 5" half round gutter 14'-7" long, two end pieces with the outlet, six 45° elbows, two 3" pipes 6' long, two joint connectors and two end caps.

13.2 Fasten the round gutter to the fascia with the nine round hangers.

13.3 Fasten the vertical pipe section evenly along the wall with the four wall fasteners.



STEP 14

Assemble and Install Door Ramp

14.1 Assemble the five door ramp frames from treated lumber and secure with 3 x 5" Phillips wood screws. For each frame you will need one 1 1/2" x 1 1/2" board cut to 1'-8";

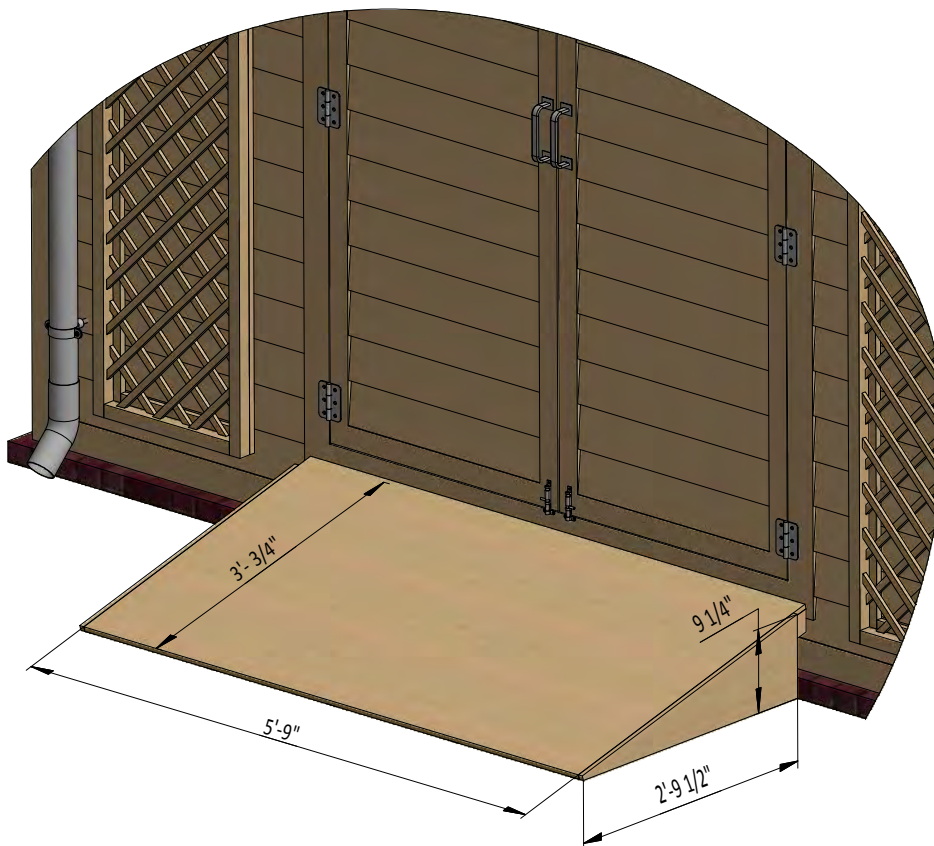
One 1 1/2" x 2 1/2" board cut to 3'-3/4"; and

One 1 1/2" x 3 1/2" board cut to 6 1/4".

14.2 Connect and secure the frames using one 1 1/2" x 2 1/2" board 5'-9" long and 3" wood screws.

14.3 Cut the 9/16" plywood sheet with dimensions 3'-3/4" x 5'-9" for the top piece and two sheets with dimensions 9 1/4" x 2'-9 1/2" for the sides.

14.4 Put the siding shields together with 2" galvanized nails.



Shed Decoration

Now that your coop is all done, you are ready to decorate it any way you want using your favorite paint, stain, or preservative.



Compare our Free vs. Premium plan

This perfectly designed plan will guide you through the entire process of building your very own shed for any backyard or garden.



Check out the benefits you would get with our **premium edition**:

Features	Free plan	Premium edition
Steps count	15	28
Illustrations for Each Step	✓	✓
Print Ready	✓	✓
Step By Step Instructions	✓	✓
Full Materials and Cuttings List	✗	✓
Additional Illustrations	✗	✓
Additional Blueprints	✗	✓
Tools List	✗	✓
Fastening Elements List	✗	✓
Technical Support	✗	✓

BUY NOW



For more great **HOW-TO** plans please visit: <https://shedplans.org>

Copyright

The text and illustrations that appear here are the exclusive property of shedplans.org and are protected by federal copyright laws. The duplication, sale or distribution of any portion of these plans without prior written consent from the original designer will be subject to the appropriate penalties for copyright infringement. Sharing this plan on the web is only permitted with an indicated original source: <https://shedplans.org>