



8'x10' 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	14	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	✗	✓

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8'x10' 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 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

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

Shed's Window Shutter

- Pressure-Treated Lumber

Door Ramp

- Pressure-Treated Lumber
- Plywood

Shed's Pergola

- Pressure-Treated Lumber

Wall Sheathing

- Plywood

STEP 1

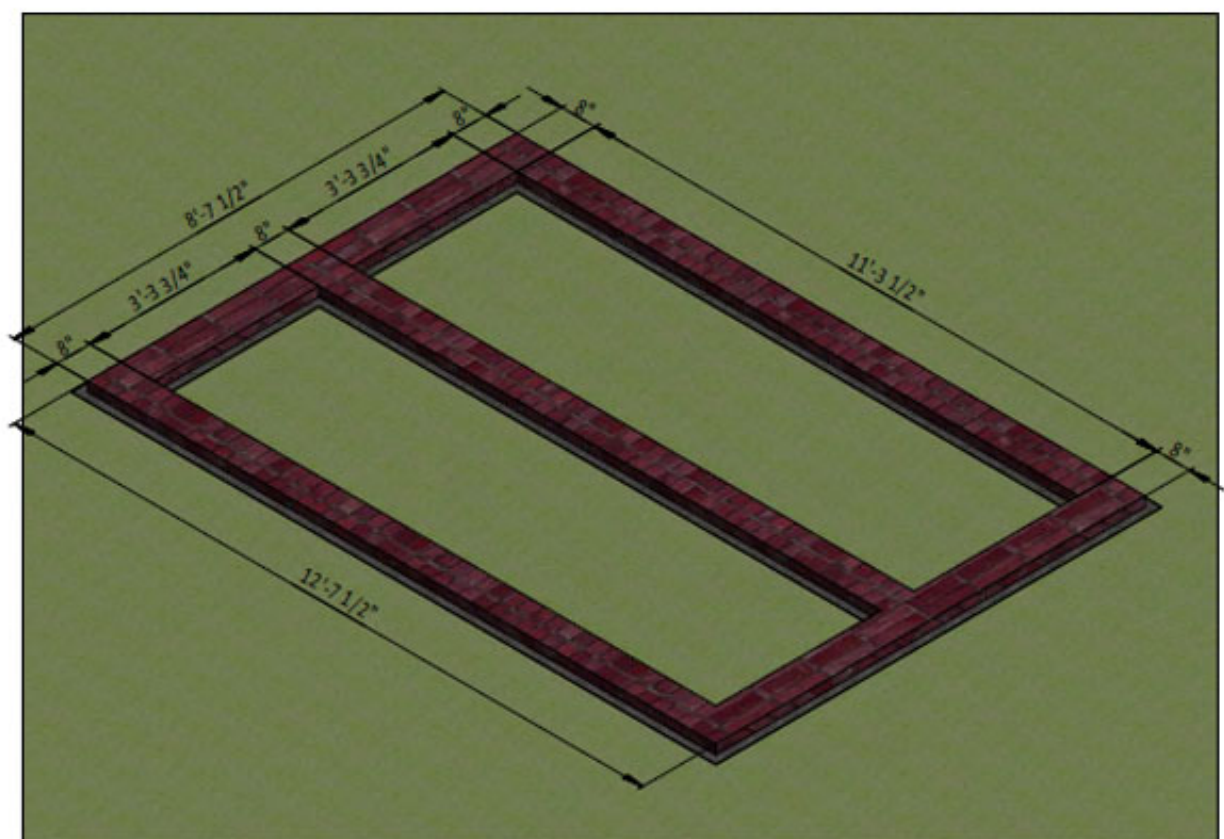
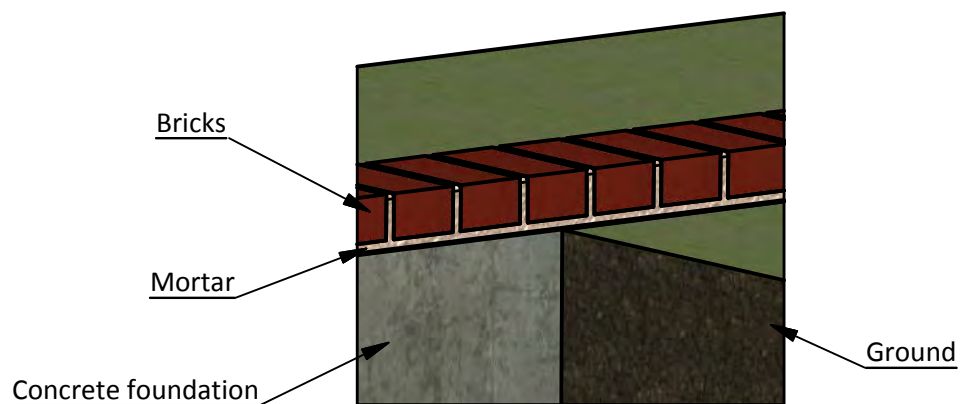
Foundation Preparation

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 120 bricks for this step.



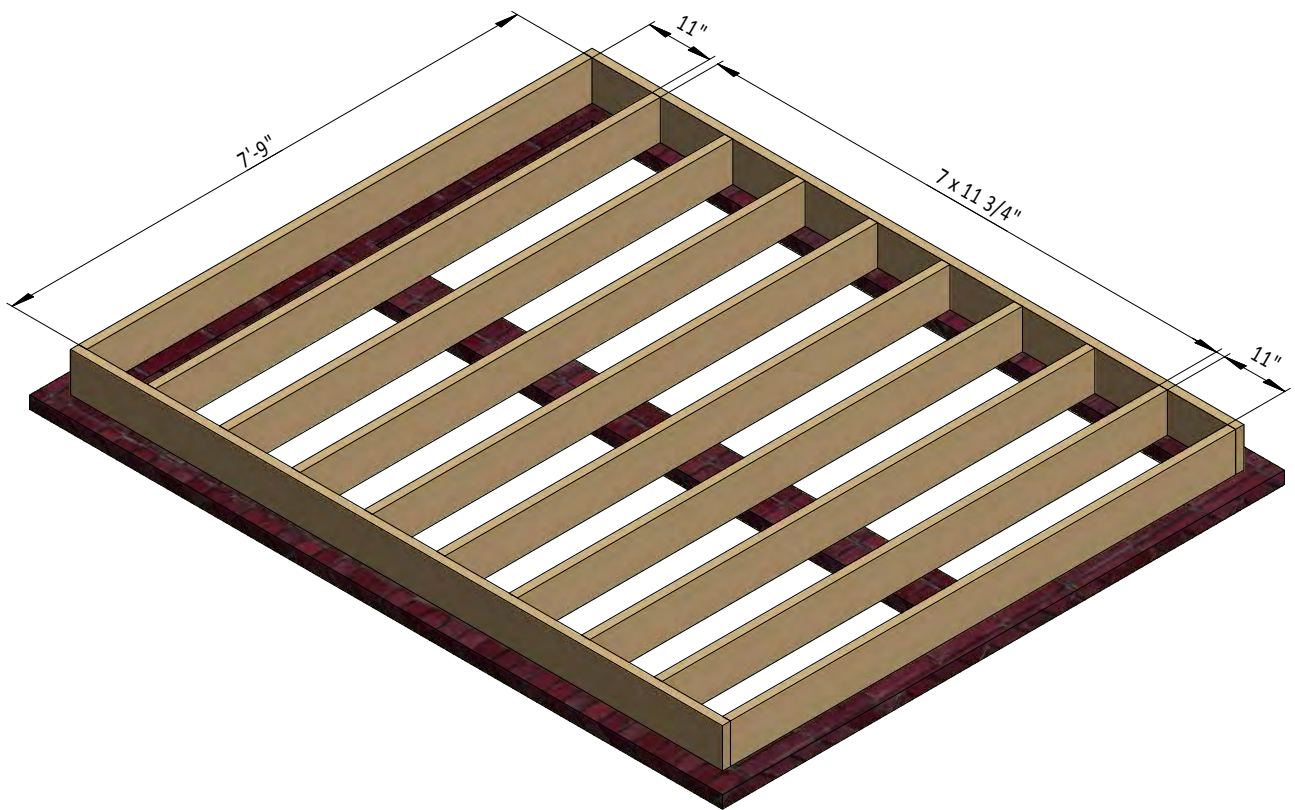
STEP 2

Framing the Floor

2.1 Use 1 1/2" x 7 1/4" pressure-treated lumber to assemble the floor frame. You will need eight boards cut to 7'-9" to use as the joists.

2.2 Use 8x5" wood screws to assemble the frame and joists.

2.3 Make sure that all the corners are 90°.



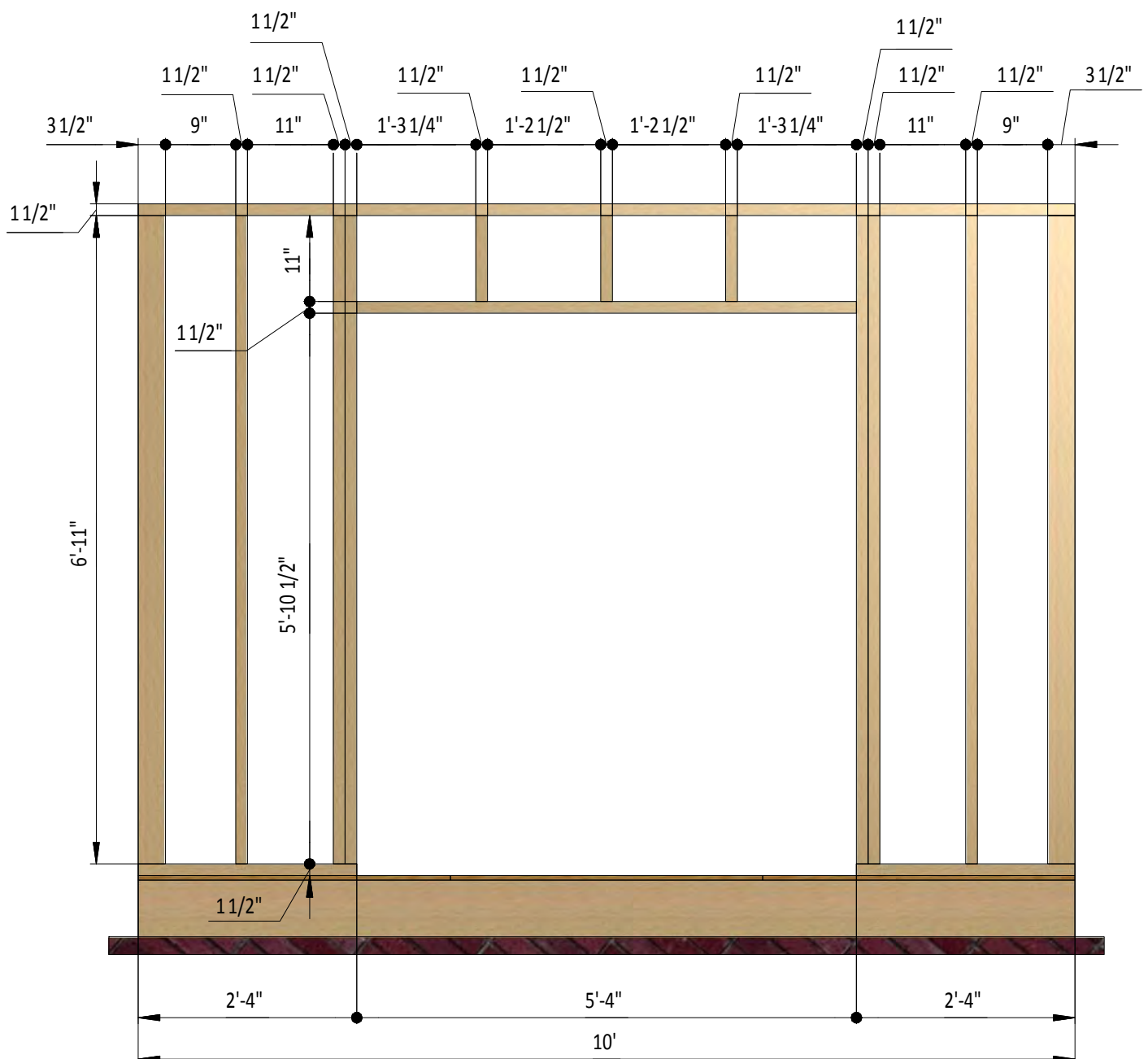
STEP 3

Assemble Front Wall Frame

3.1 Construct the front wall frame using 1 1/2" x 3 1/2" and 3 1/2" x 3 1/2" pressure-treated lumber. Use the drawing below as a reference. You will need three boards cut to 11" to use as the cripple studs, one board cut to 5'-4" for the door header, eight boards cut to 6'-11" for the wall studs, two boards cut to 2'-4" to use as the bottom plates and one board cut to 10' for the top plate.

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

3.3 Make sure that all the corners measure 90°.



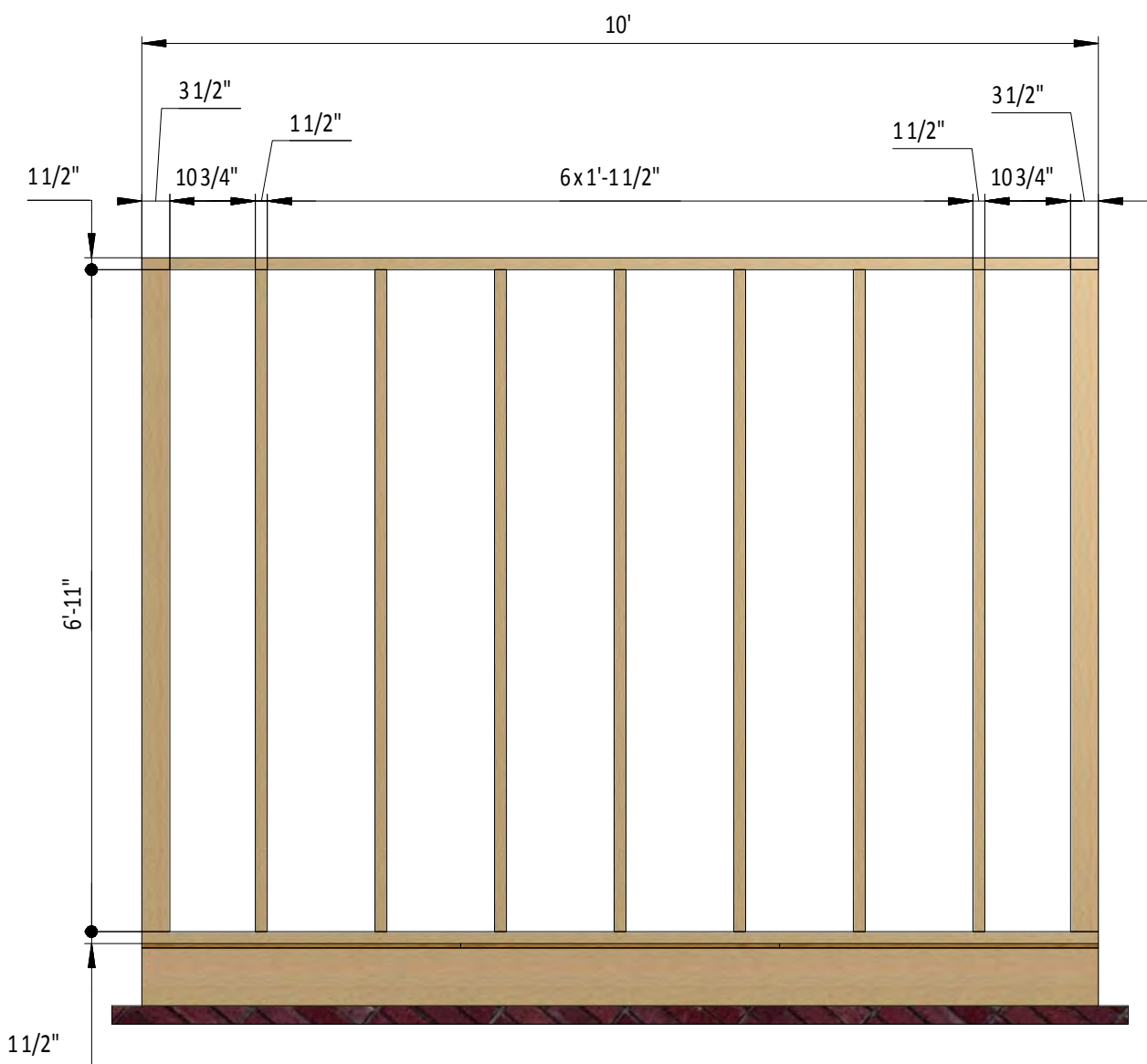
STEP 4

Assemble Back Wall Frame

4.1 Build the back wall frame using $1\frac{1}{2}" \times 3\frac{1}{2}"$ and $3\frac{1}{2}" \times 3\frac{1}{2}"$ pressure-treated lumber, using the drawing below as a reference. You will need nine boards cut to 6'-11" for the wall studs and two boards cut to 10' to use as the top and bottom plates.

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

4.3 Use a square to make sure that the corners are 90°.



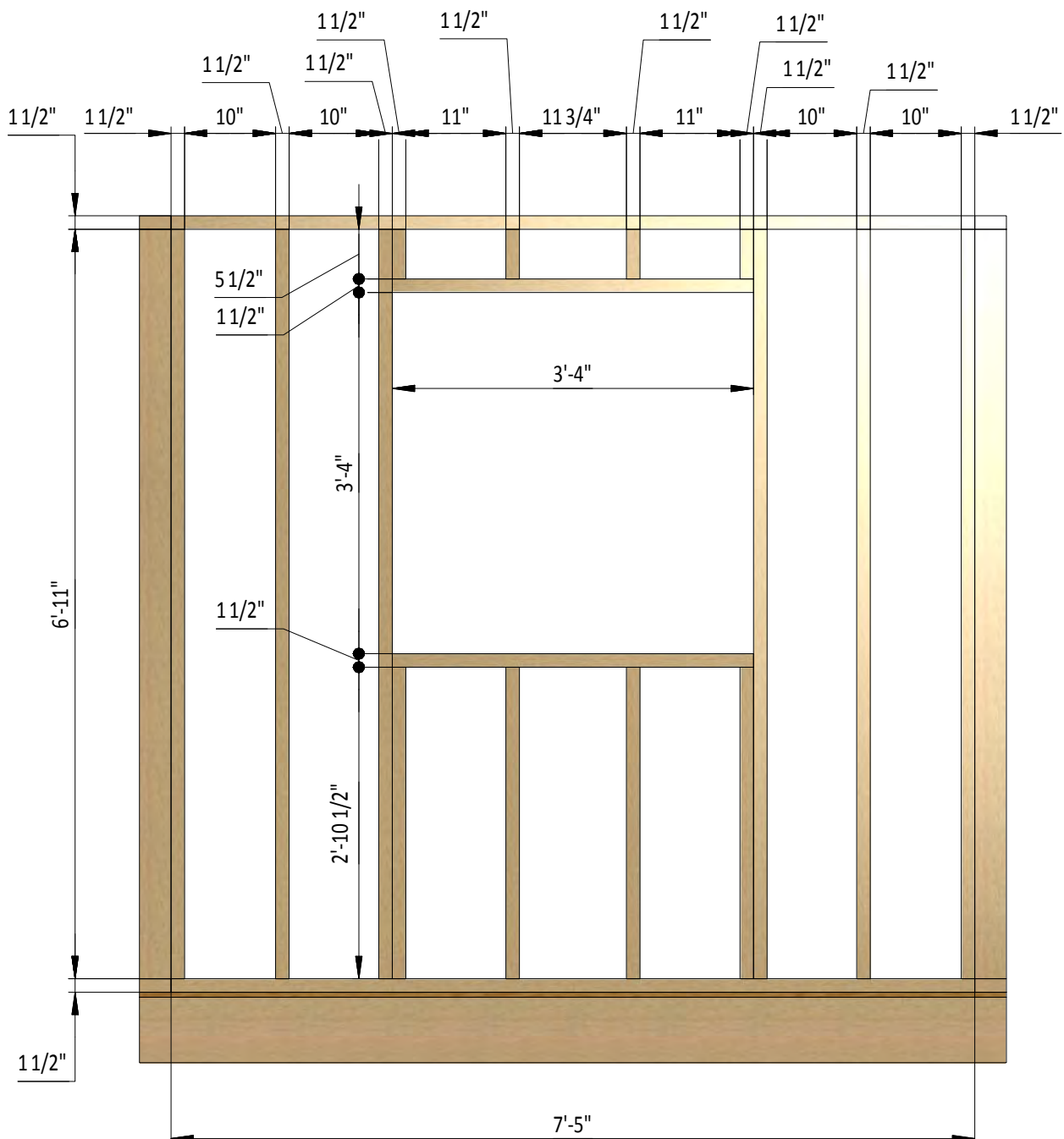
STEP 5

Assemble Left and Right Wall Frames

5.1 Using 1 1/2" x 3 1/2" treated lumber, construct the side wall frames using the drawing below as a reference. You will need four boards cut to 5 1/2" for the cripple studs; four boards cut to 2'-10 1/2" for the studs; two boards cut to 3'-4" to use as the window header and rough sill; six boards cut to 6'-11" that will be the studs and two boards cut to 7'-5" that will be the top and bottom plates.

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

5.3 Check the corners to make sure they are 90°.



STEP 6

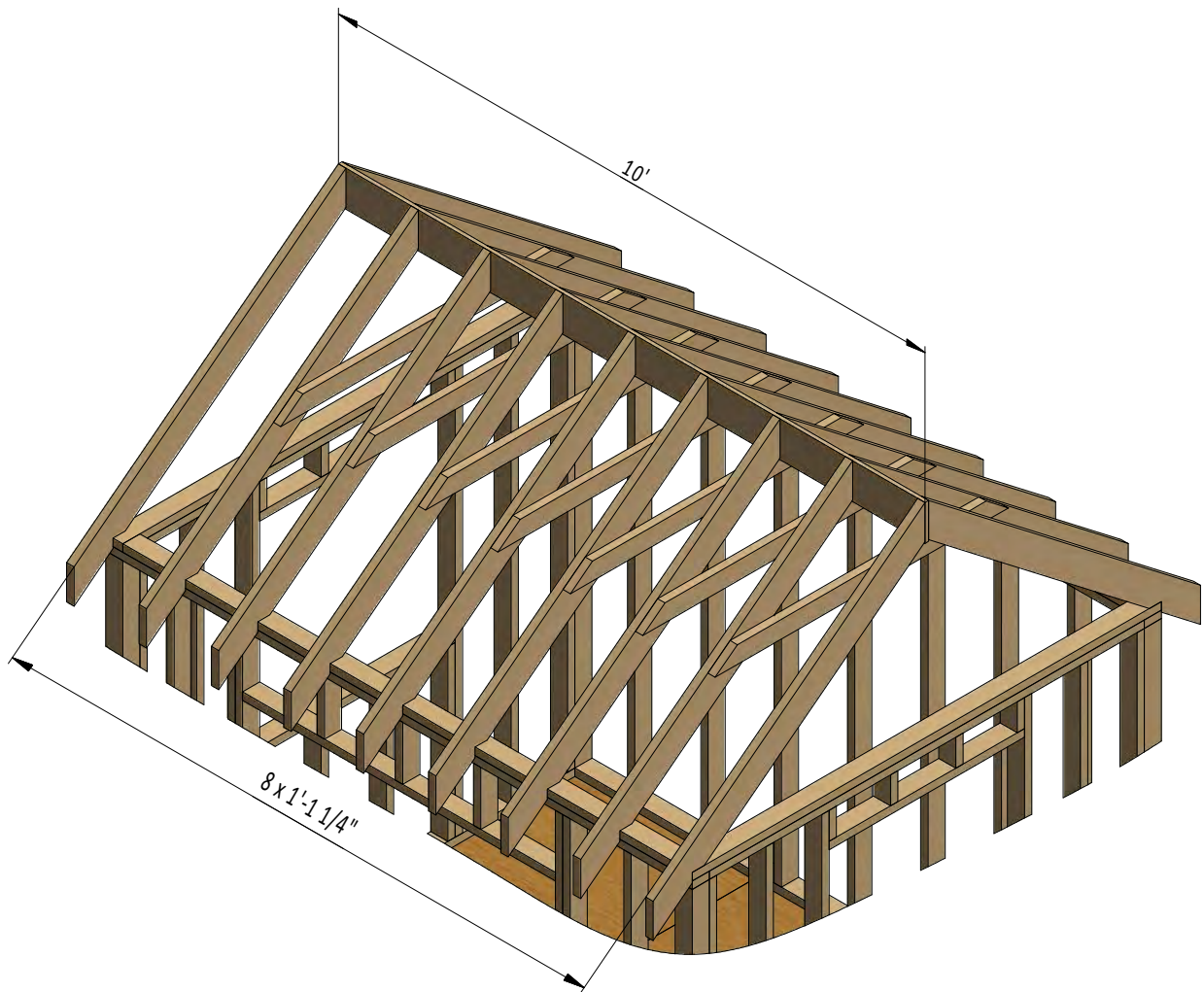
Assemble the Roof Frame

6.1 Cut eighteen rafters 5'-10 1/4" long using 1 1/2 " x 5 1/2 " treated lumber, according to the measurements.

6.2 Cut seven collar ties 5'-11 3/4" using 1 1/2 " x 3 1/2 " treated lumber, as shown.

6.3 Cut the ridge board 10' long using 3/4 " x 7 1/4 " treated board, according to the illustration below.

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



STEP 7

Assemble and Install Shed Doors

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

7.2 Cut the doors into pieces that measure 2'-7 3/4" x 5'-11 3/4" with a 9/16" sheet of plywood using the drawing.

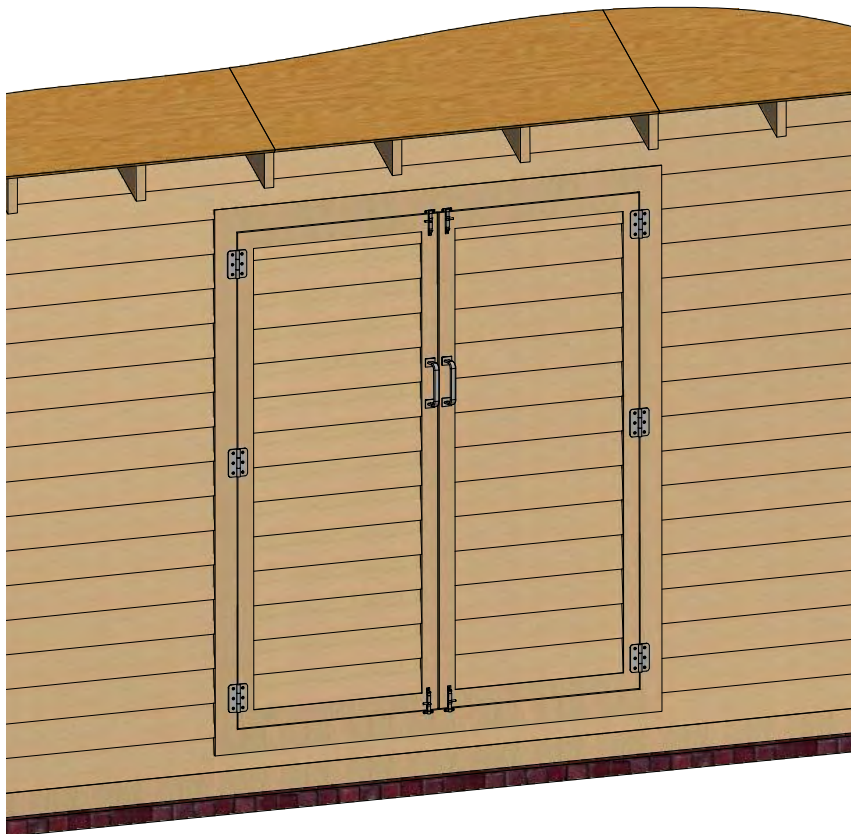
7.3 Use 2 1/2 " x 3/4 " treated lumber for the door trim and fasten with 2" Phillips flat head wood screws. You will need two boards cut to 2'-2 3/4" and two boards cut to 5'-11 3/4".

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

7.5 Use 1/2 " x 6" wood siding boards to cover the doors by following the illustration below.

7.6 Assemble siding shields with 2" galvanized nails.

7.7 Install three 3" door hinges using 6x1" flat head wood screws. Finish the door installation by attaching 4" surface bolts and 6" door pulls.



STEP 8

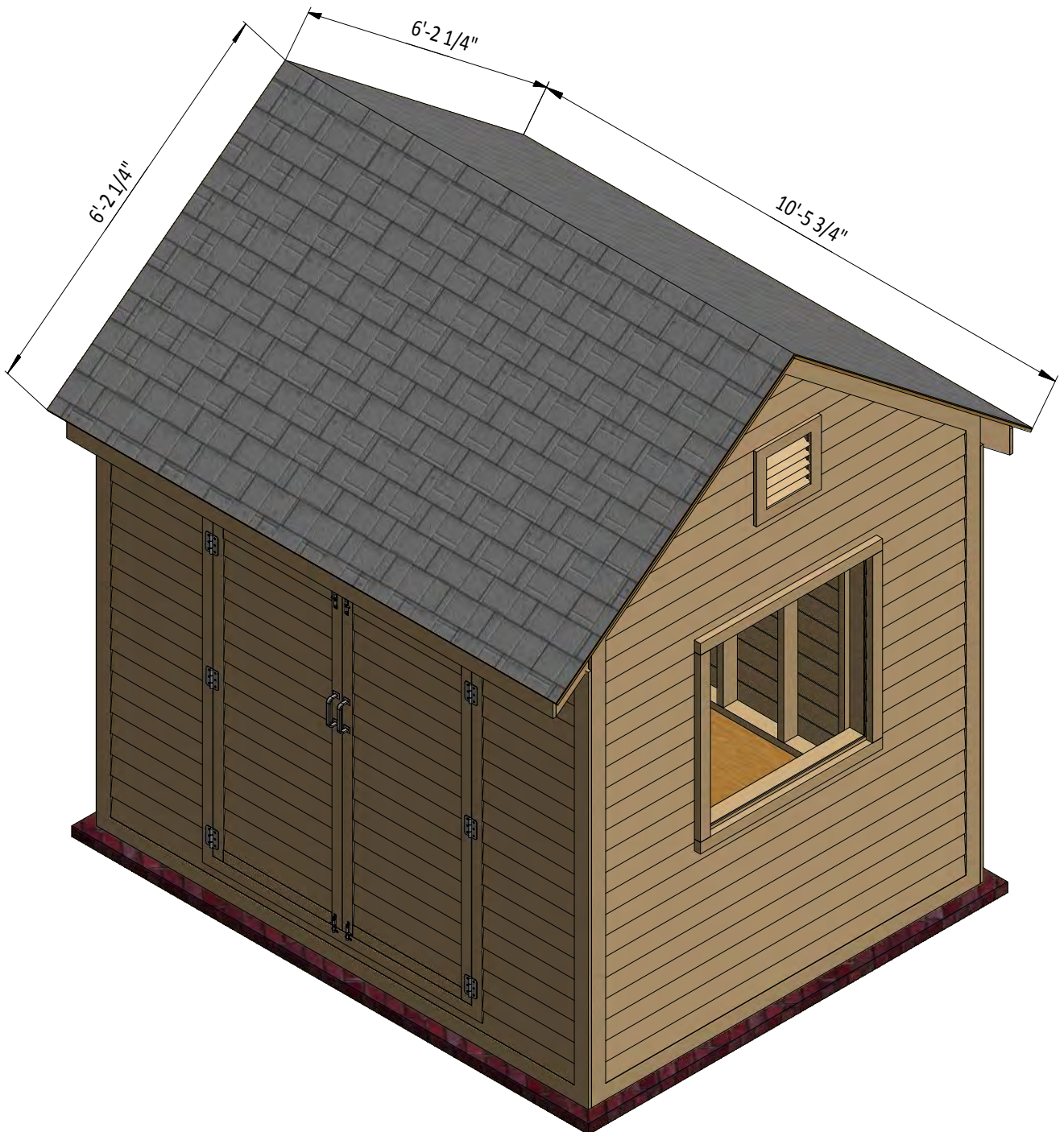
Roof Sheathing Installation

8.1 The roof needs 130 square feet of asphalt shingle roofing.

8.2 Add the metal drip edge to the fascias.

8.3 Cover the plywood with roofing or building paper.

8.4 Attach the asphalt shingle roofing using an industrial stapler or a hammer and roofing nails.



STEP 9

Window Installation for Left and Right Walls

This plan uses two hand-crafted windows.

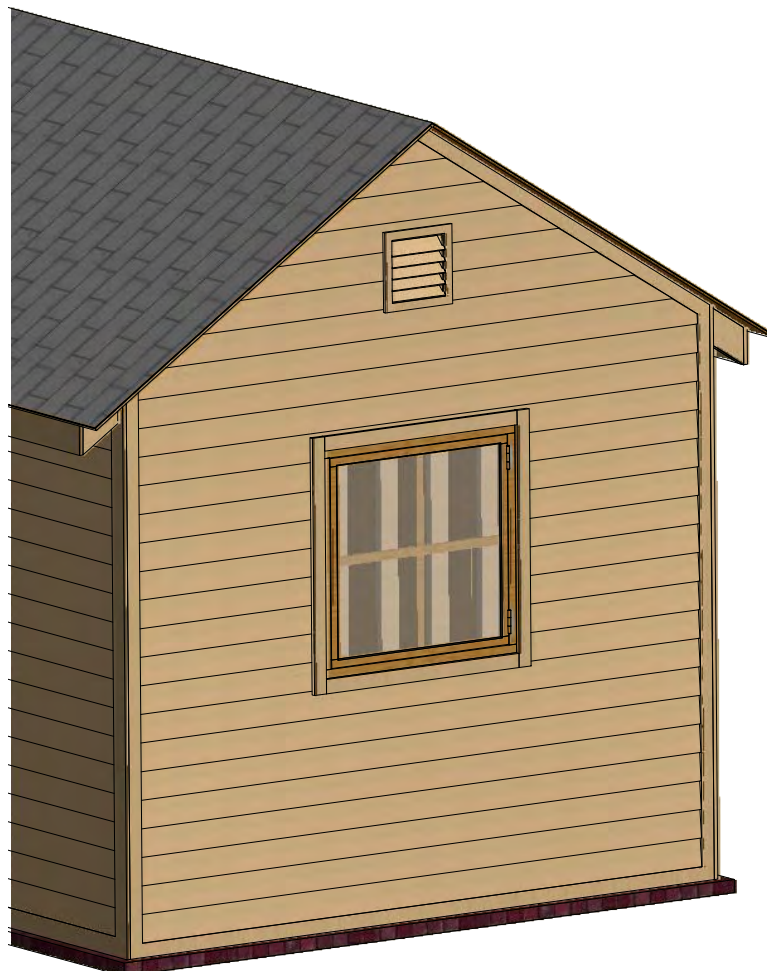
9.1 Using 1 1/2 " x 2 1/2 " treated lumber, assemble the outside frame for the window as shown in the drawing below. You will need two boards cut to 3'-1" for the vertical girts and two boards cut to 3'-4" for the horizontal girts. Additionally, add vertical 2'-11 1/2" long and horizontal 3'-1" long supports using 3/4" x 1" lumber and cut the indents for the window hinges.

9.2 Use 1 1/2 " x 1 1/2 " treated wood to make the inner frame and secure with 3" Phillips flat head wood screws. You will need two boards cut to 2'-9 3/4" to use as the vertical girts and two boards cut to 3'-3/4" for the horizontal girts. Mill a recess for the glass panes and for the hinges.

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

9.4 Prepare and install glass into the inner frame groove and fasten it with window beading on all four sides. Use 1/2" brads.

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



STEP 10

Assemble and Install Window Shutters^P

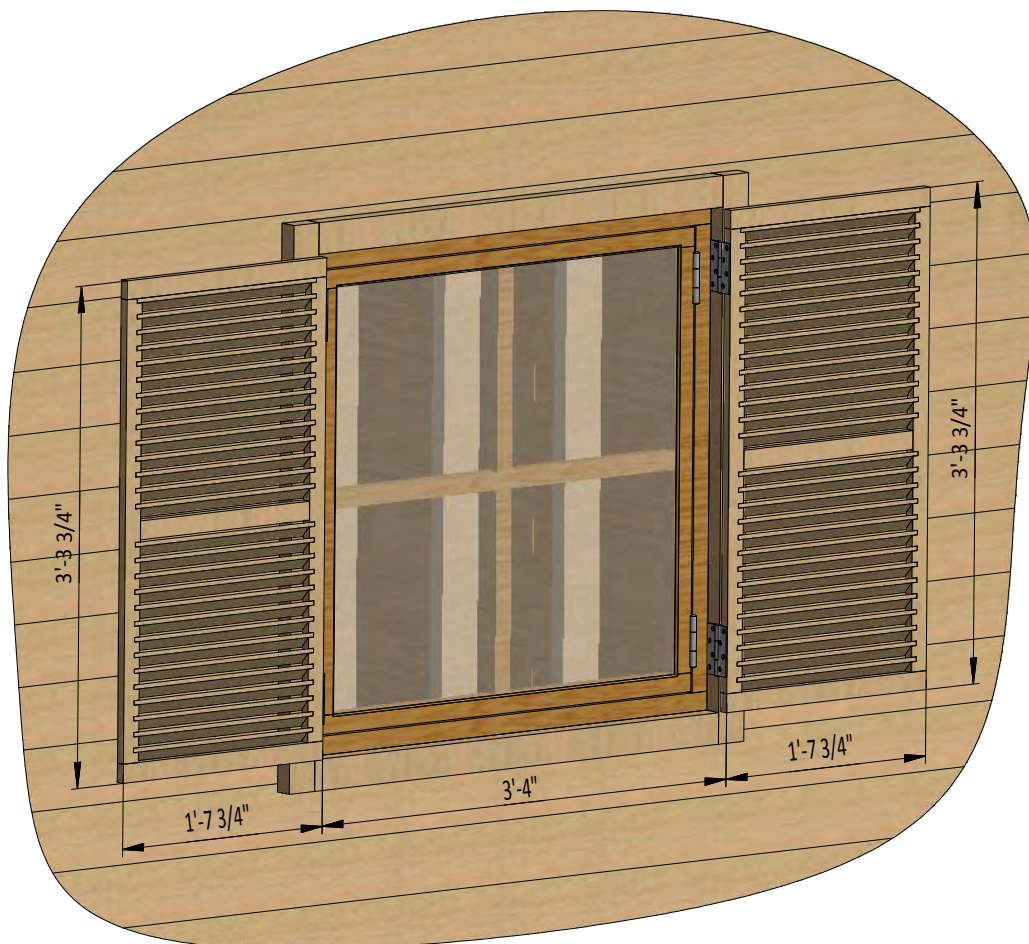
Prepare four windows shutters.

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

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

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

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



STEP 11

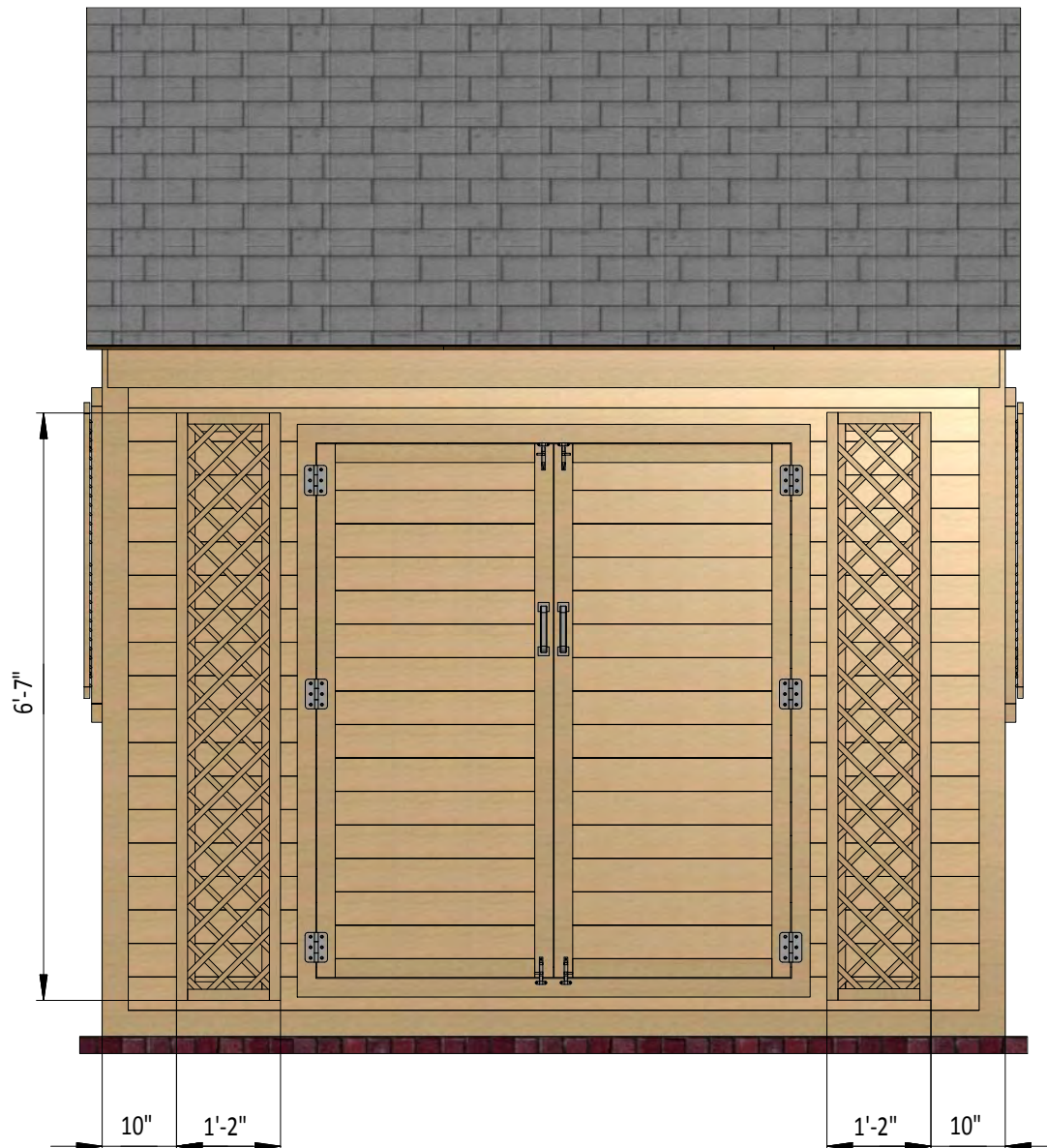
Assemble and Install Pergolas

This plan requires two pergolas.

11.1 Make the front frame from 1 1/2 " x 1 1/2 " treated lumber and secure with 3" Phillips wood screws. Cut two boards to 6'-7" for the vertical girts and two boards cut to 11" for the horizontal girts.

11.2 Assemble back frame using 3/4" x 2 1/2 " treated lumber and secure with 5" Phillips wood screws. You will need two boards cut to 6'-7" to use as the vertical girts and two boards cut to 9" for the horizontal girts.

11.3 Use 3/4 " x 3/4 " pressure-treated lumber to make the lattice. You will need 34 boards cut to 1'-3 1/2" . Assemble according to the drawing.



STEP 12

Assemble and Install Roof Drainage System

12.1 Hang the roof drainage system on the front fascia board.

You will need 5" half round gutter 8' long, two end pieces with the outlet, six 45° elbows, two 3" pipes 6' long, two joint connectors and two end caps.

12.2 Fasten the round gutter to the fascia with the six round hangers.

12.3 Fasten the vertical pipe section with the four wall fasteners spaced symmetrically on the wall.



STEP 13

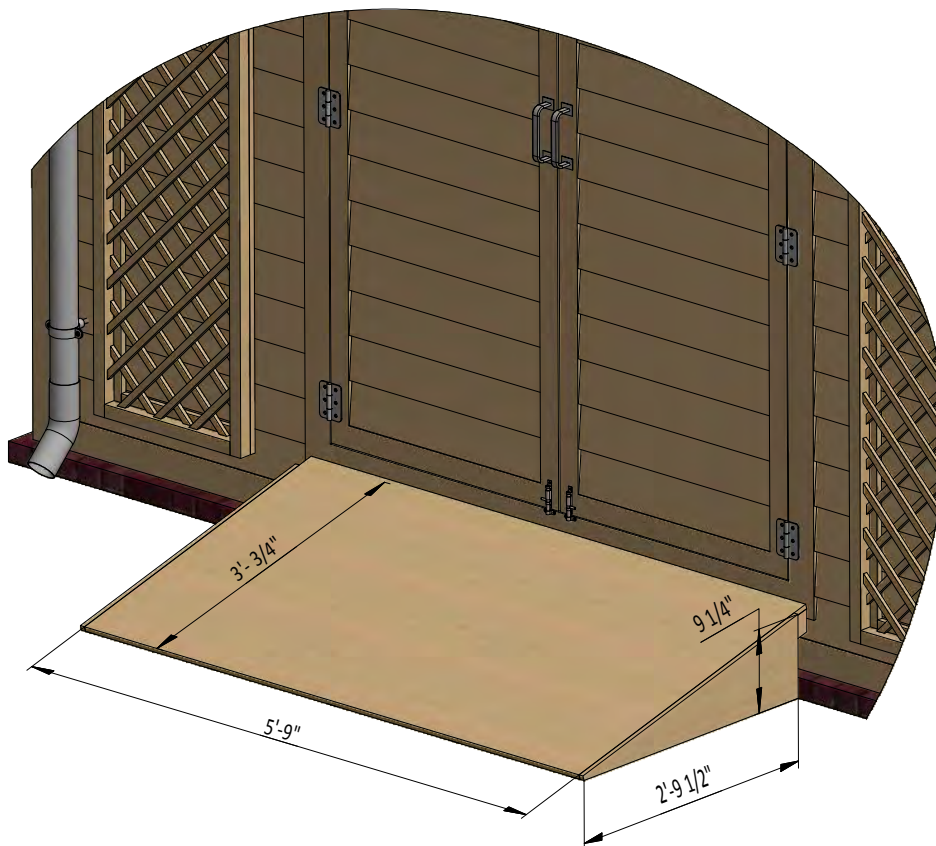
Assemble and Install Door Ramp

13.1 Make five door ramp frames from treated lumber and secure with 3" and 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".

13.2 Connect all frames using one 1 1/2" x 2 1/2" board 5'-9" long and 3" Phillips wood screws

13.3 Cut the 9/16" plywood sheet to 3'-3/4" x 5'-9" for the top plane and two sheets to 9 1/4" x 2'-9 1/2" for the sides.

13.4 Assemble siding shields with 2" galvanized nails.



STEP 14

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.



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Additional Blueprints	✗	✓
Tools List	✗	✓
Fastening Elements List	✗	✓
Technical Support	✗	✓

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