ShedPlans®
.org

10'x12' 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	29
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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10'x12' 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

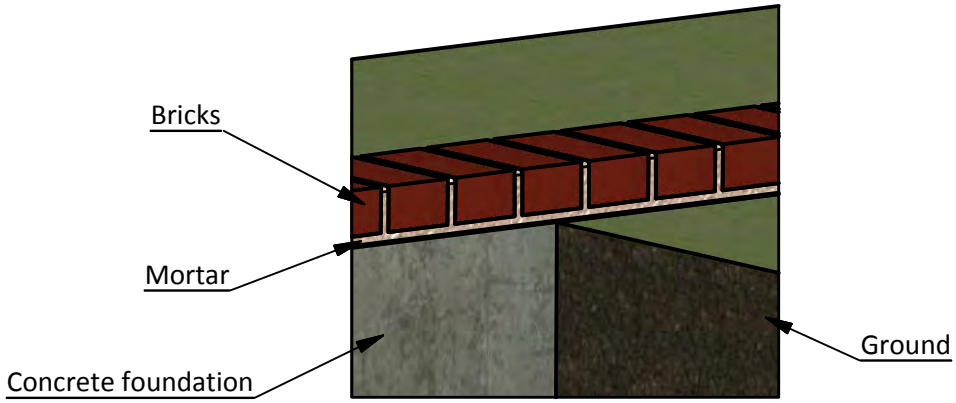
Foundation Preparation

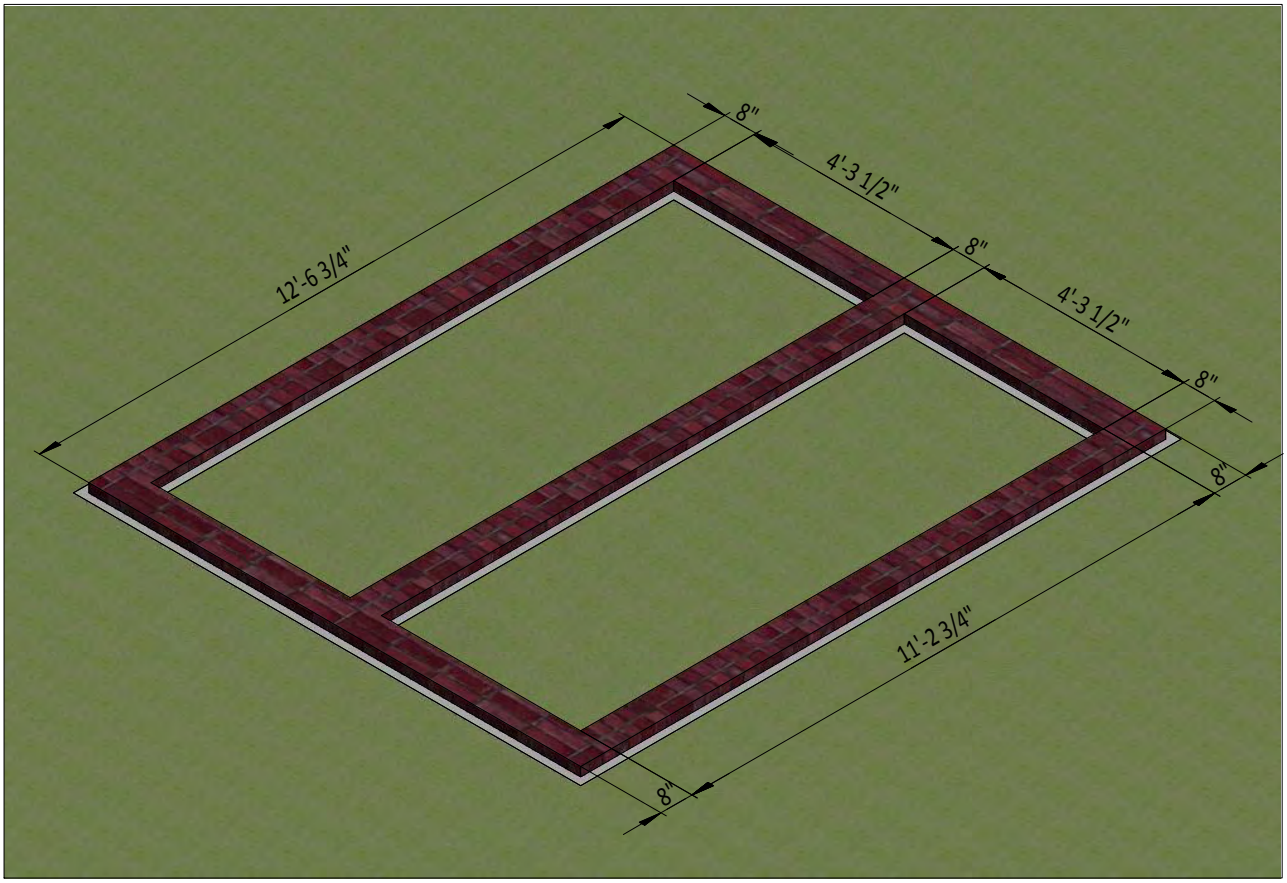
1.1 Clear the area where you want to build the shed and layout for the foundation. Use the below illustration as a guide.

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.





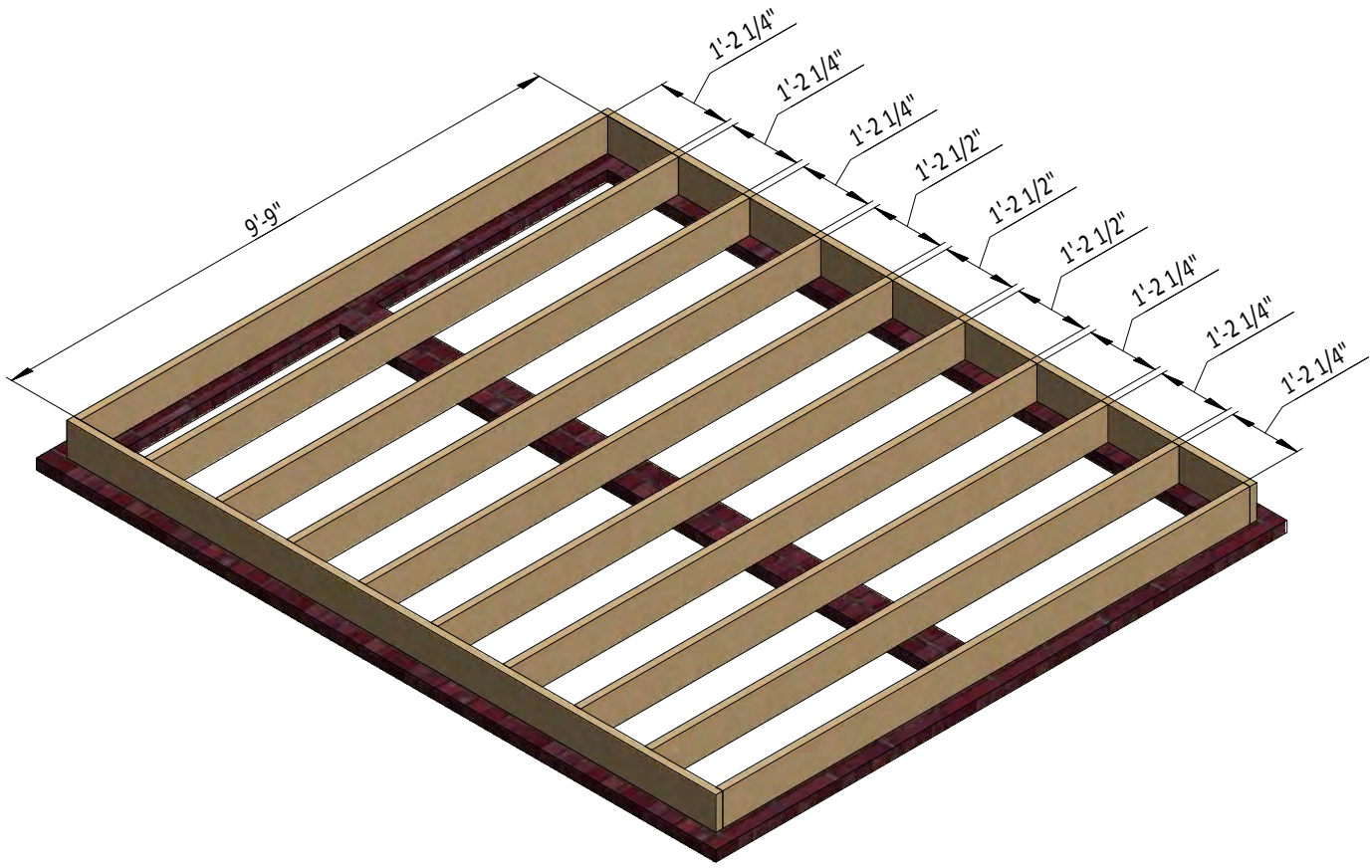
STEP 2

Framing the Floor

2.1 Assemble the frame using 1 1/2” x 7 1/4” pressure-treated lumber. You will need eight boards cut to 9'-9” for the floor joist.

2.2 Secure the beams with 8x5" flat head Phillips wood screws.

2.3 Make sure all the corners are 90° using a square.



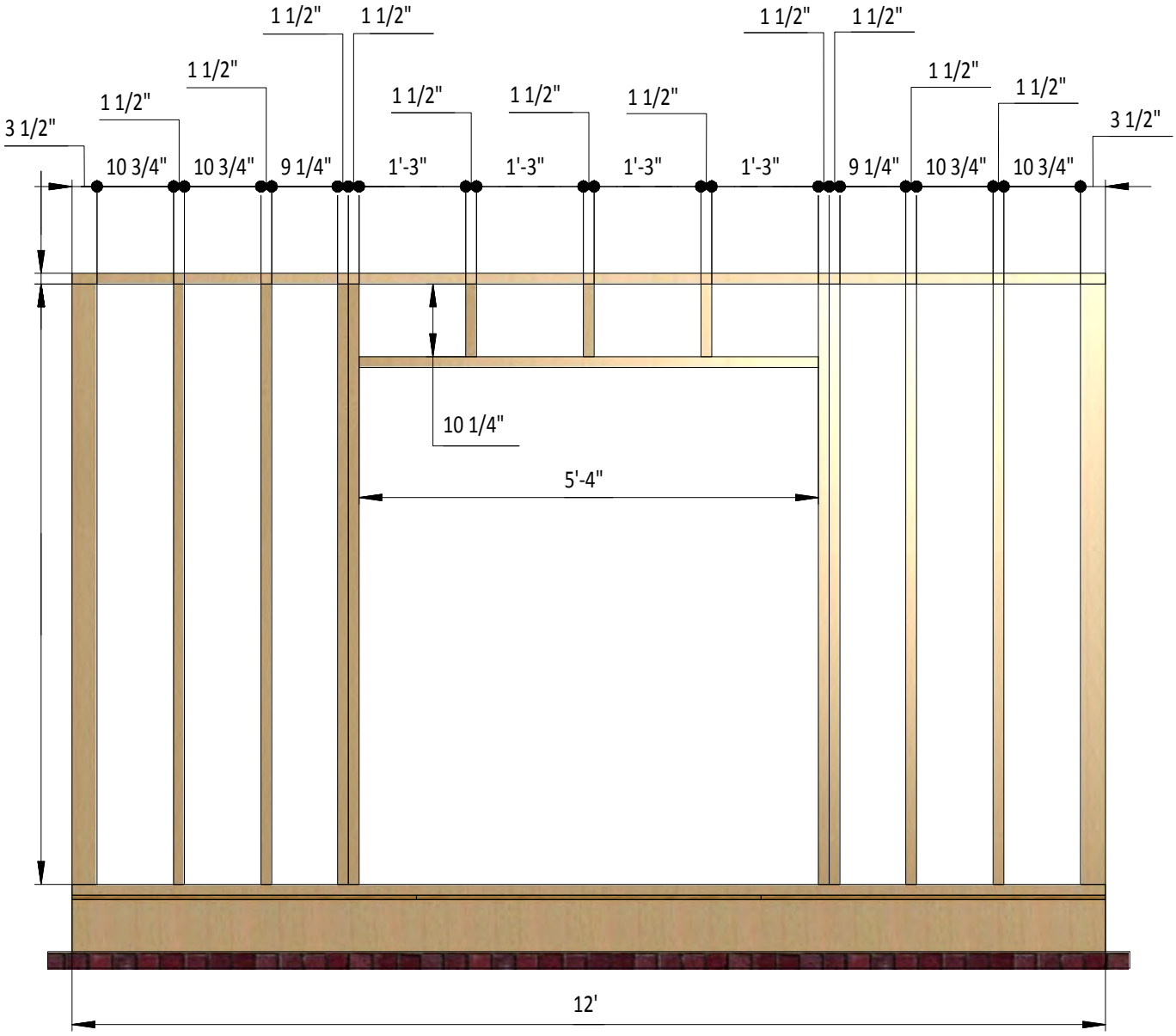
STEP 3

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“ and the drawing below as a reference. It requires three 1 1/2“ x 3 1/2“ boards cut to 10 1/4" for the cripple studs; three one 1 1/2“ x 3 1/2“ board cut to 5'-4" for the door header; eight 1 1/2“ x 3 1/2“ boards cut to 6'-11 3/4" to use as wall studs; two 1 1/2“ x 3 1/2“ boards cut to 12' that will be the top and bottom plates; and two 3 1/2“ x 3 1/2“ boards cut to 6'-11 3/4" to use as studs.

3.2 Use 2x4" flat head Phillips wood screws to connect the beams.

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



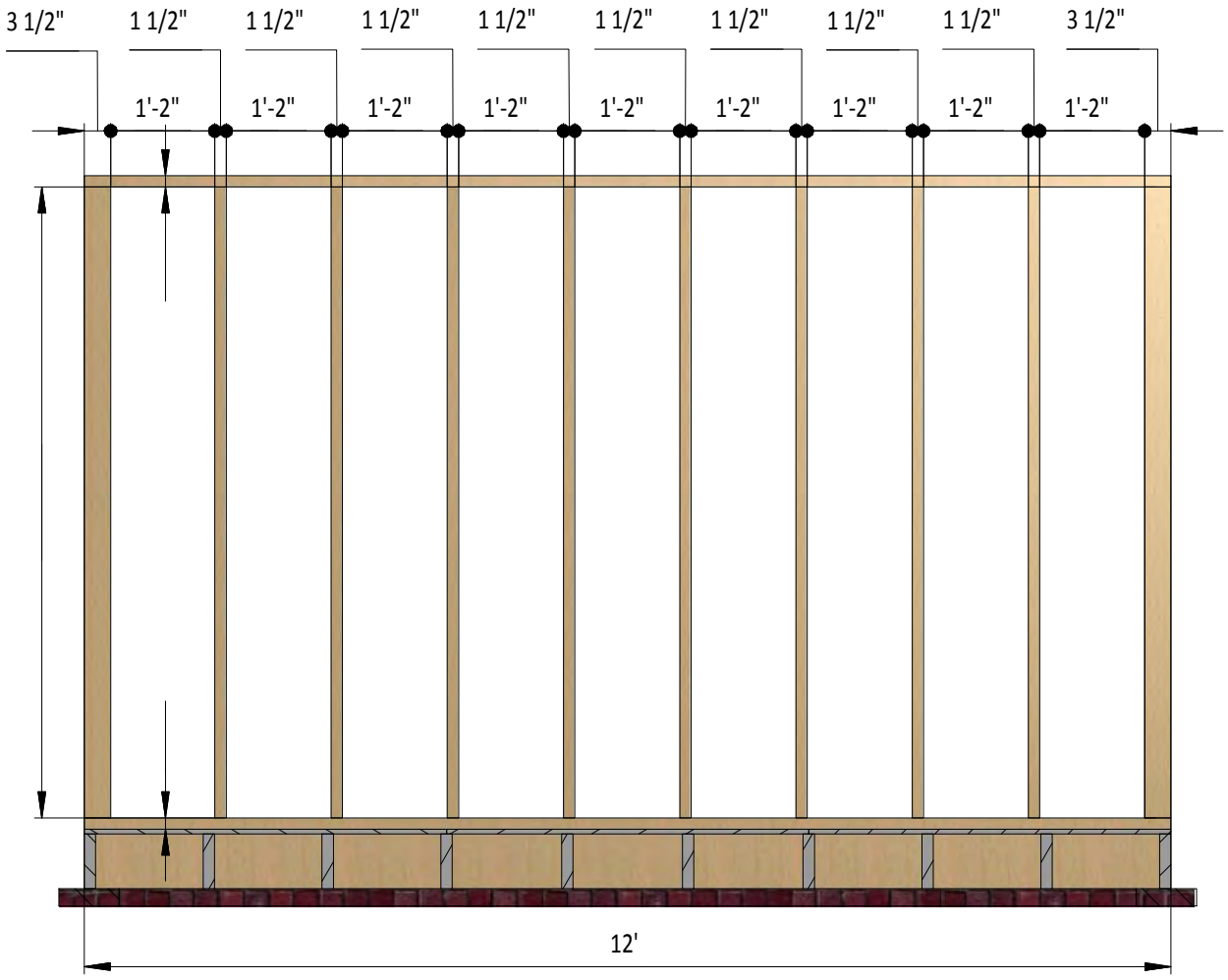
STEP 4

Assemble Back Wall Frame

4.1 Construct the back wall frame using 1 1/2“ x 3 1/2“ and 3 1/2“ x 3 1/2“ treated lumber, using the drawing below as a reference.
You will need eight 1 1/2“ x 3 1/2“ boards cut to 6'-11 3/4" for the wall studs, two 1 1/2“ x 3 1/2“ boards cut to 12' for the top and bottom plates; and two 3 1/2“ x 3 1/2“ boards cut to 6'-11 3/4" that will be corner wall studs.

4.2 Connect the beams with 2x4" wood screws.

4.3 Using a speed square or carpenter's square, check the corners to verify that they are 90°.



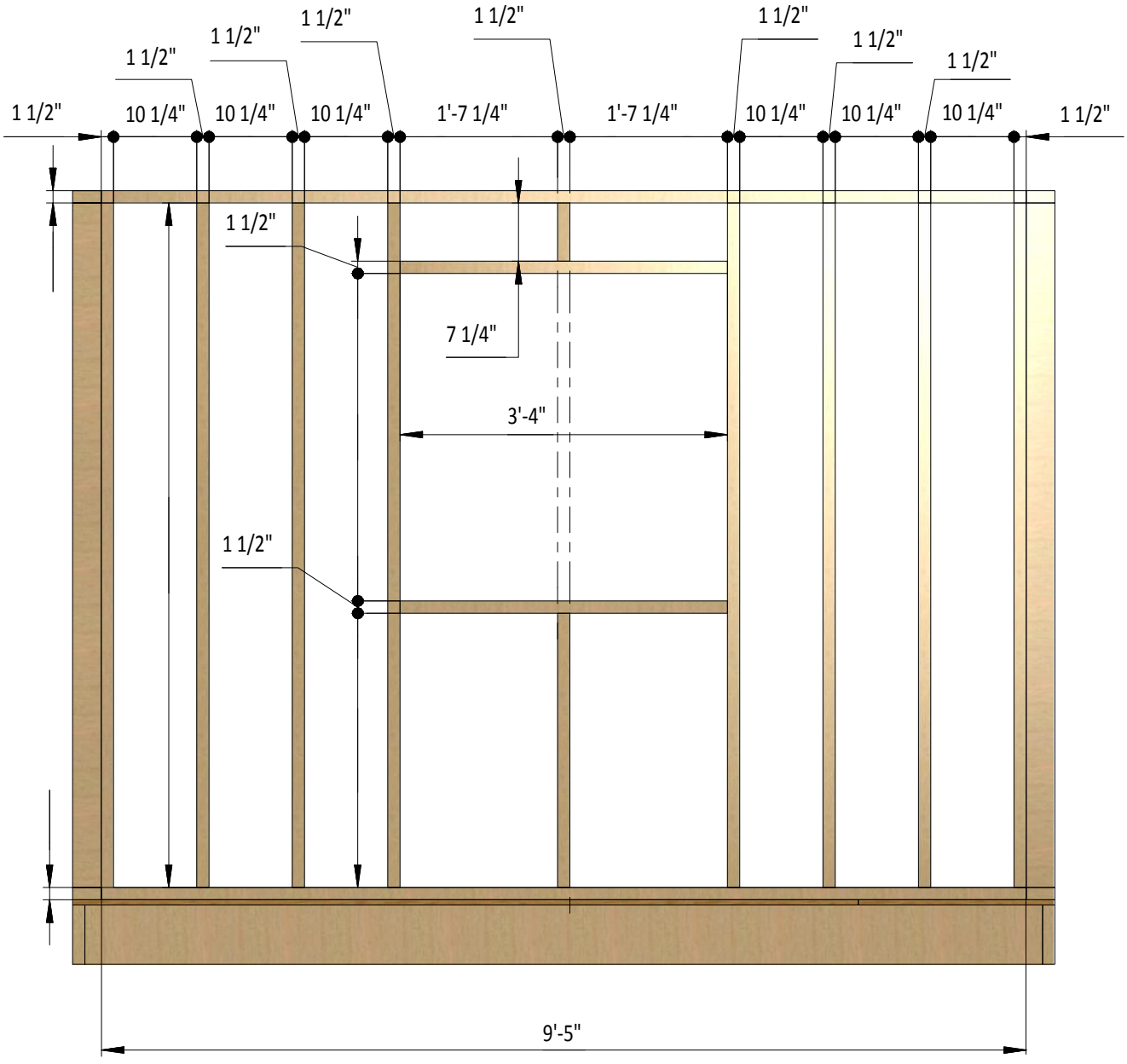
STEP 5

Assemble Left and Right Wall Frames

5.1 Using 1 1/2“ x 3 1/2“ treated lumber, construct the two side wall frames, using the drawing as a reference.
You will need one board cut to 7 1/4" that for the cripple stud, one board cut to 2'-9 1/2" that will be the stud, two boards cut to 3'-4" for the window header and rough sill, eight boards cut to 6'-11 3/4" for the studs and two boards cut to 9'-5" for the top and bottom plates.

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

5.3 Verify that all the corners are 90°.



STEP 6

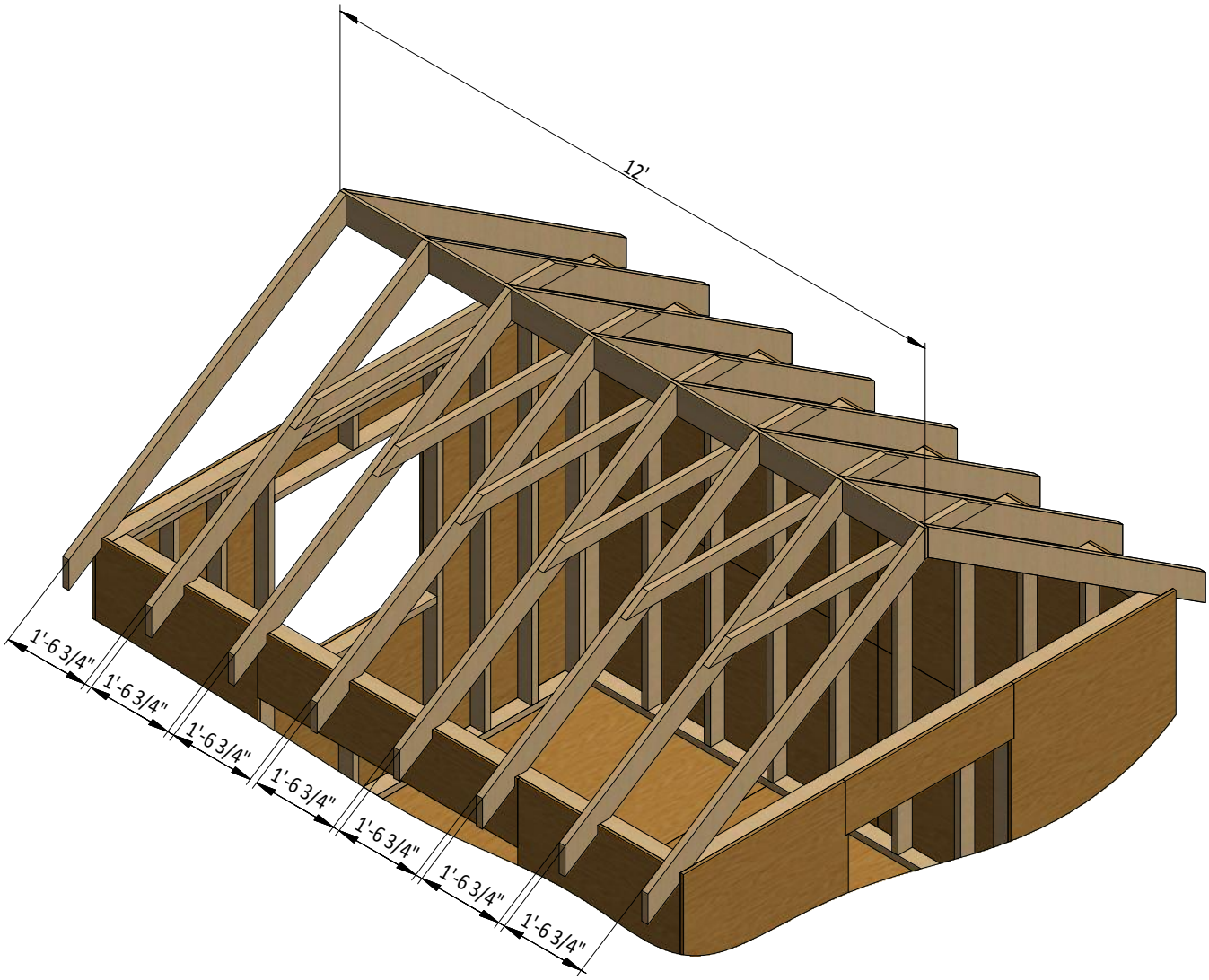
Assemble the Roof Frame

6.1 Cut 16 rafters 7'-1/2" long using 1 1/2 “ x 5 1/2 “ pressure-treated lumber by following the dimensions.

6.2 Using 1 1/2 “ x 3 1/2 “ treated lumber, cut six collar ties 5'-11 3/4" long according to the dimensions.

6.3 Using 3/4 “ x 7 1/4 “ treated board, cut a 12' long ridge board as shown in the illustration below.

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



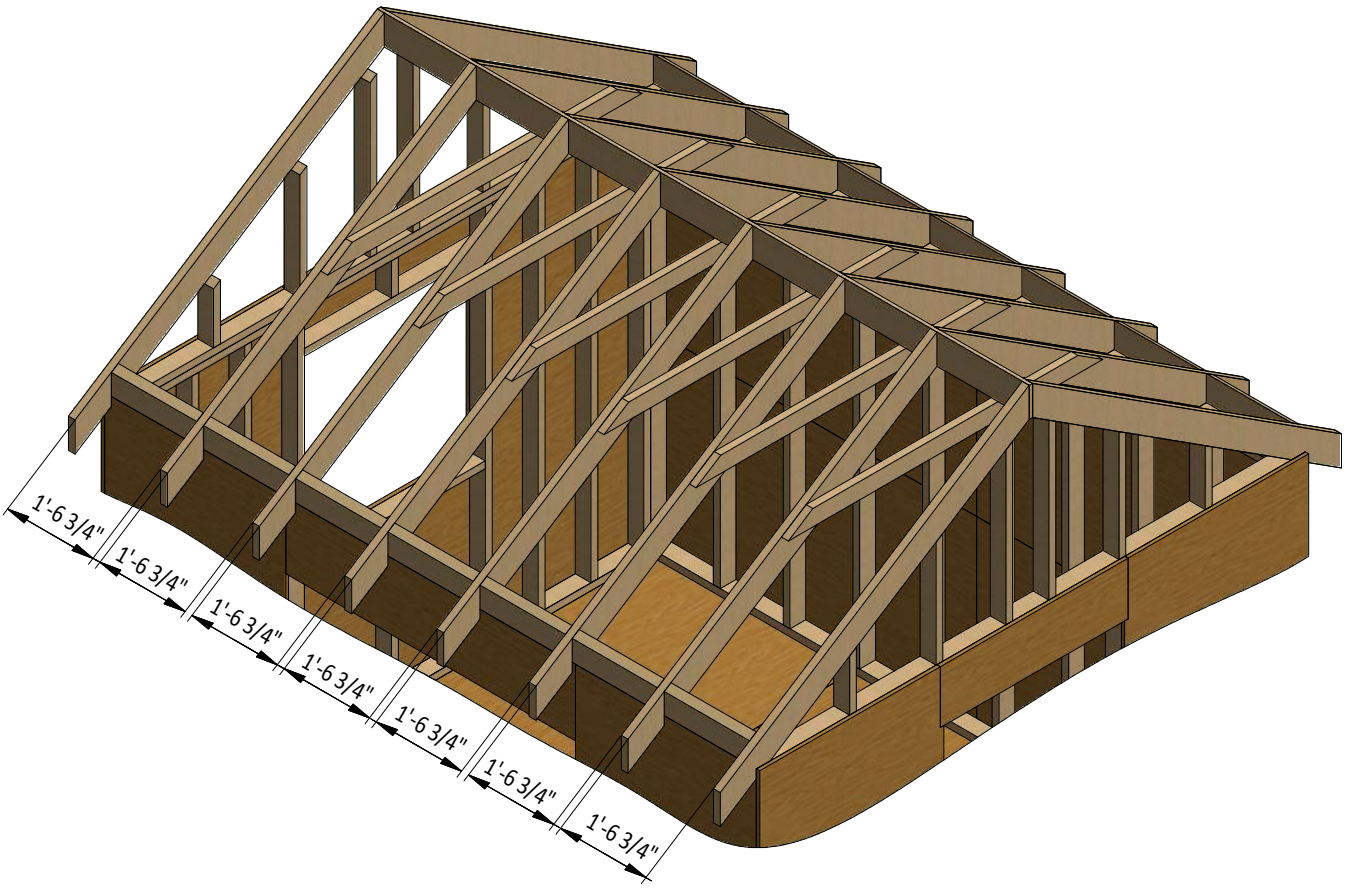
STEP 7

Assemble the Rafter Bays

7.1 Cut 14 rafter bays 1'-6 3/4" long using 1 1/2 “ x 5 1/2 “ treated lumber.

7.2 Cut the top edge of each stud and connect them with rafters.

7.3 Connect all the beams with 2x4" flat head Phillips 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” wood screws. You will need two boards cut to 5'-11 3/4" that will be the vertical girts and two boards cut to 2'-3/4" that will be the horizontal girts.

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

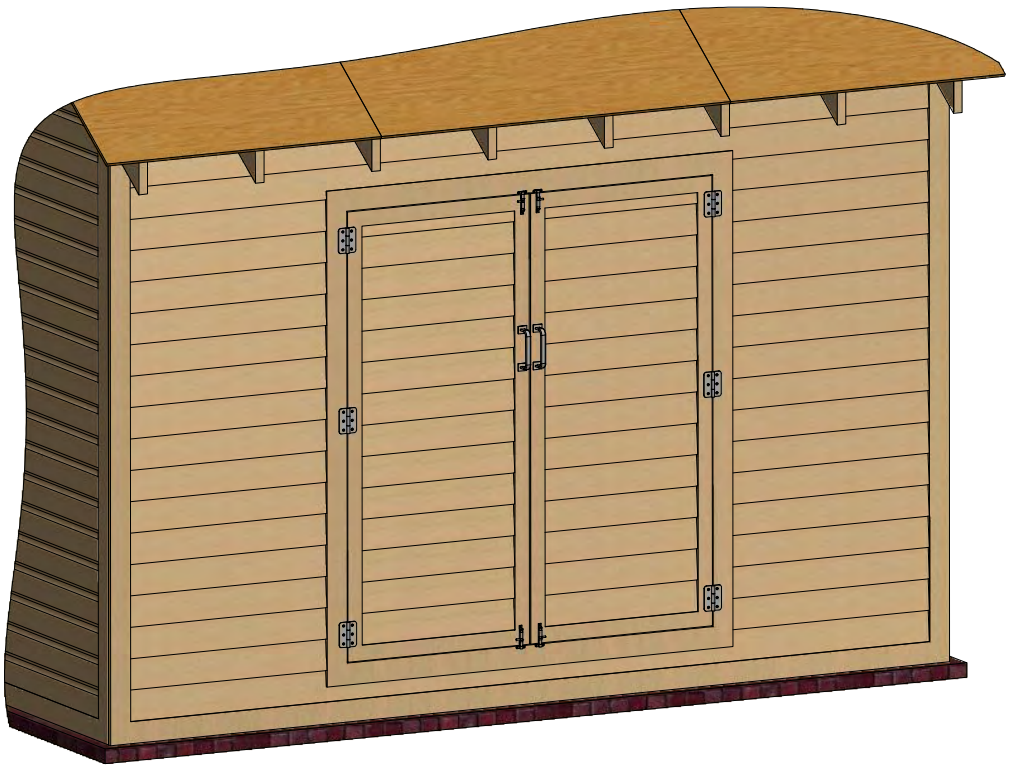
8.3 Use 2 1/2 “ x 3/4 “ pressure-treated lumber for the door trim and fasten with 2” flat head wood screws. You will need two pieces cut to 2'-2 3/4" and two boards cut to 5'-11 3/4".

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

8.5 Use 1/2 “ x 6” wood siding boards to make the door. referring to the image below.

8.6 Join siding shields with 2" galvanized nails.

8.7 Install six 3" door hinges using 6x1" wood screws. Finish the door installation by attaching 4" surface bolts and 6" door pulls.



STEP 9

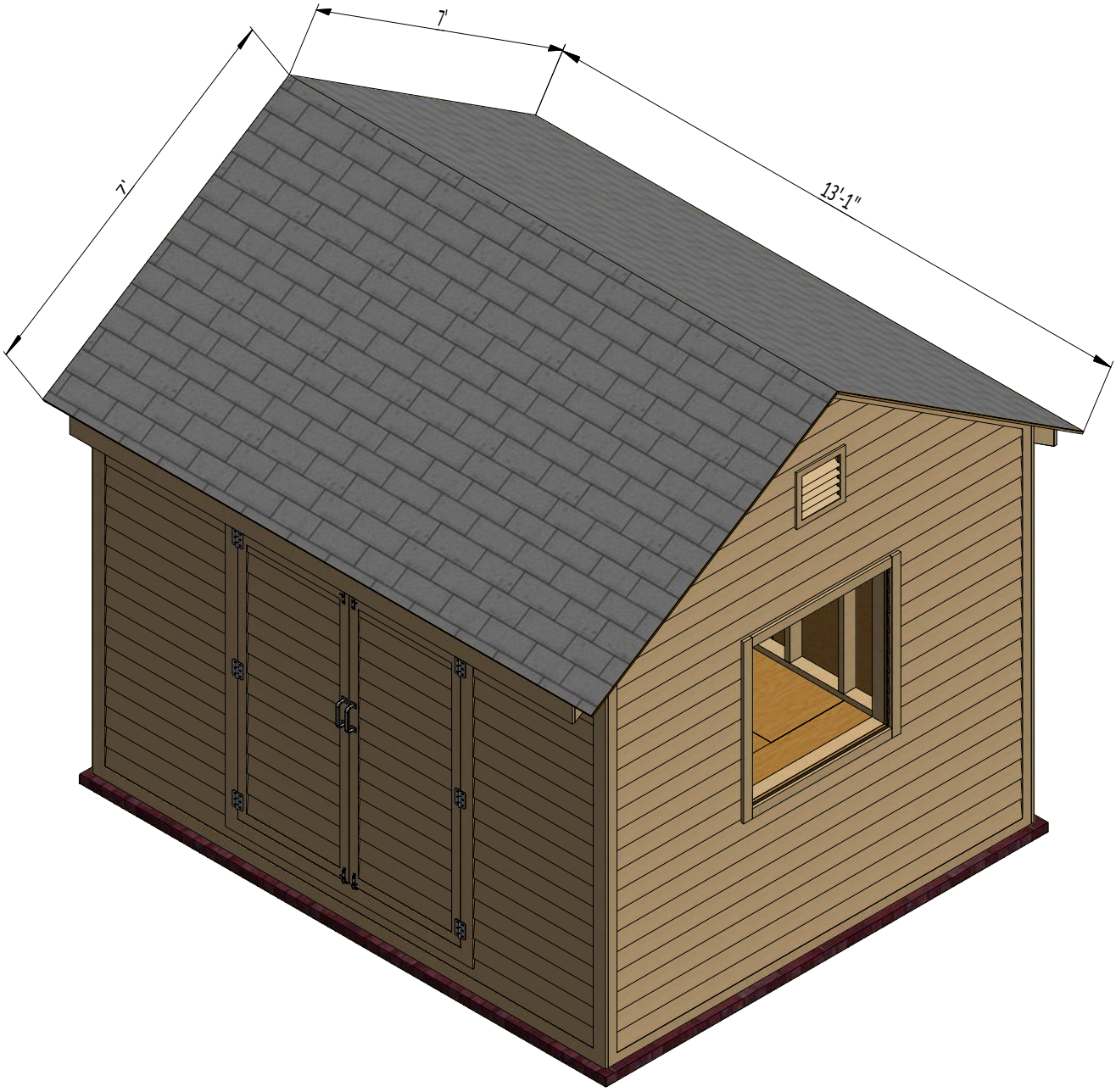
Roof Sheathing Installation

9.1 You will need 185 square feet of asphalt roofing material.

9.2 Attach the metal drip edge to the fascias

9.3 Cover the plywood with building or roofing paper.

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



STEP 10

Assemble and Install Window Shutters

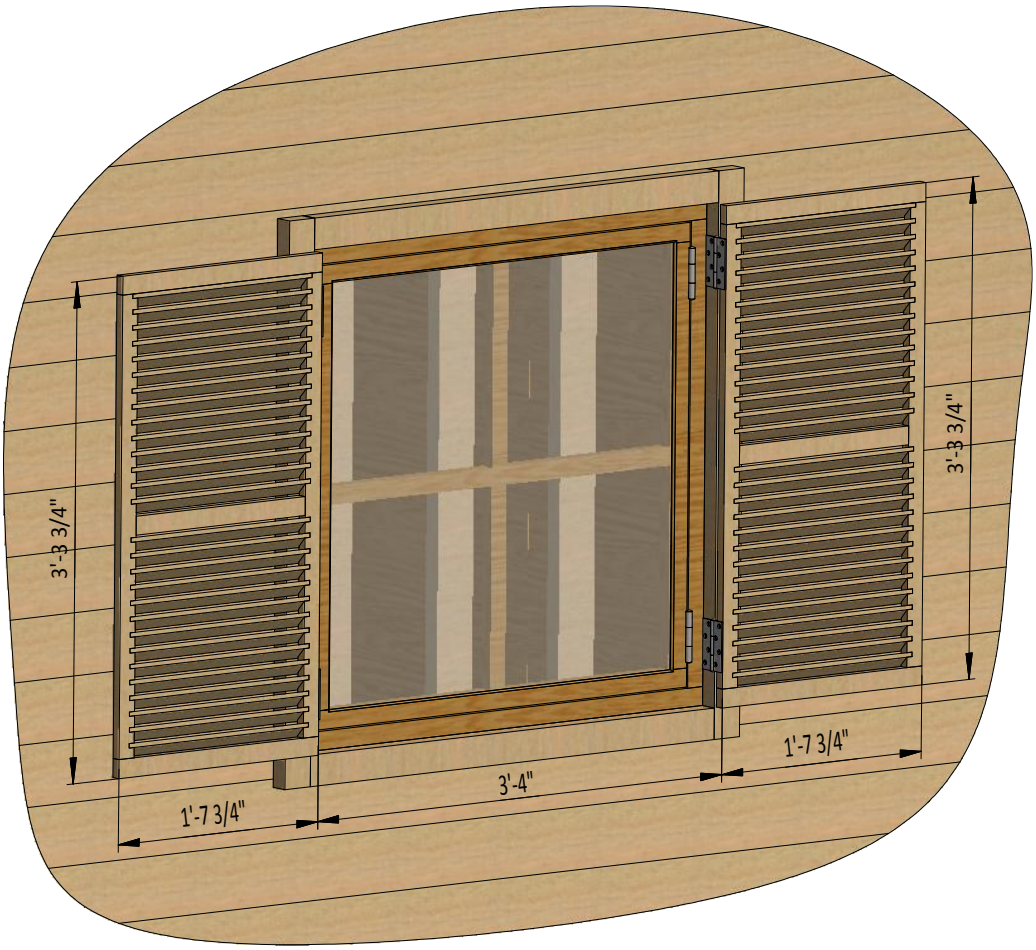
This plan needs four windows shutters.

10.1 Assemble shutter frames using 3/4 “ x 1 1/2 “ treated lumber and secure with 3” Phillips wood screws. You will need one board cut to 1'-4 3/4"; two boards cut to 3'-3/4" for the vertical girts; and two boards cut to 1'-7 3/4" for the horizontal girts.

10.2 Mill a recess along the vertical girts for the shutter's slats.

10.3 Use 1/4 “ x 1 1/2 “ pressure-treated lumber for the slats and cut 22 boards to 1'-5 3/4".

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



STEP 11

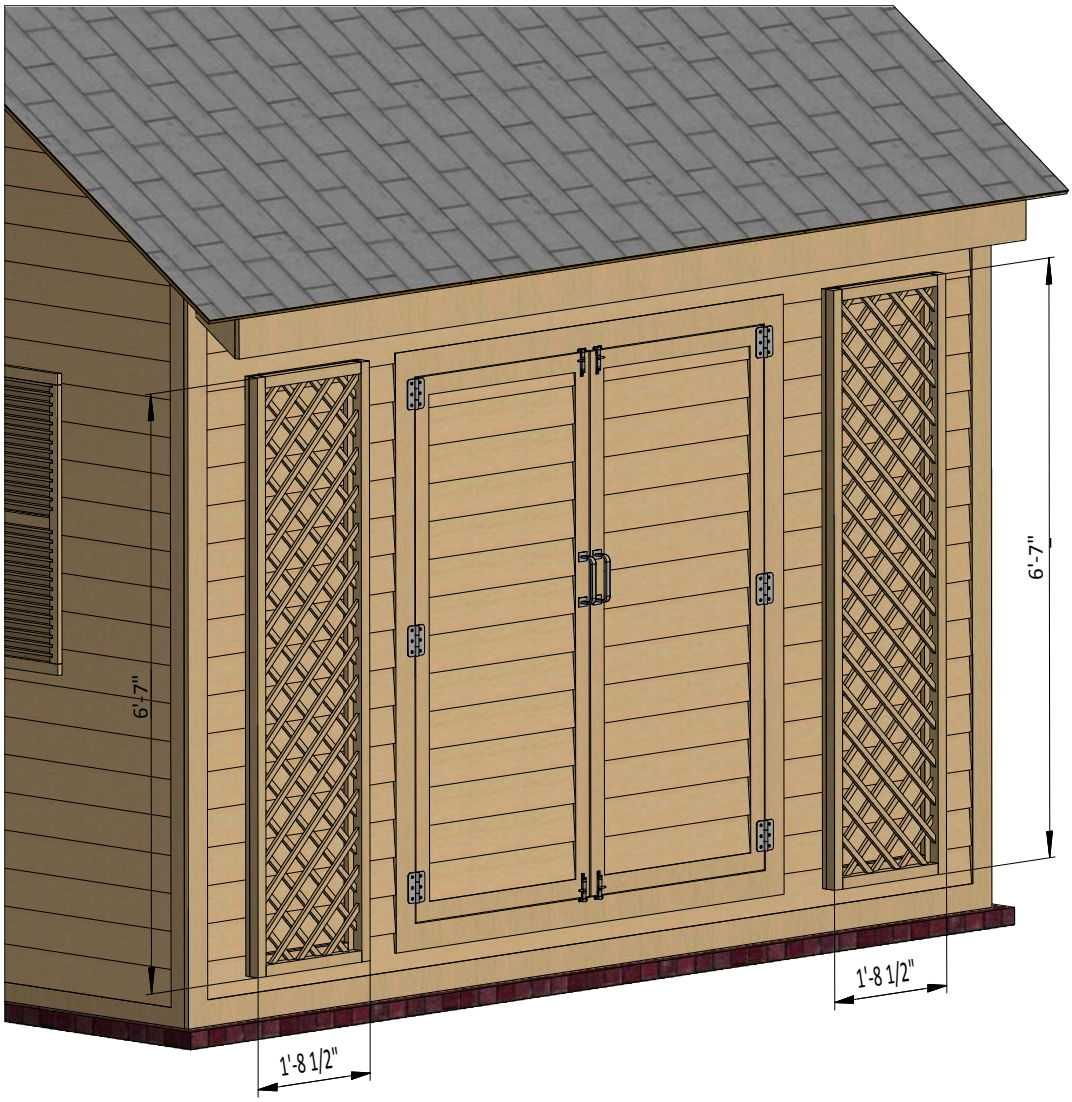
Assemble and Install Pergolas

This plan uses two pergolas as decorative shutters around the double doors.

11.1 Make the front frame using 1 1/2 “ x 1 1/2 “ treated lumber and fasten it together with 3” wood screws. You will need two boards cut to 6'-7" for the vertical girts and two boards cut to 1'-5 1/2" for the horizontal girts.

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

11.3 Use 3/4 “ x 3/4 “ pressure-treated lumber for the lattice. You will need 36 boards cut to 2'-3/4".



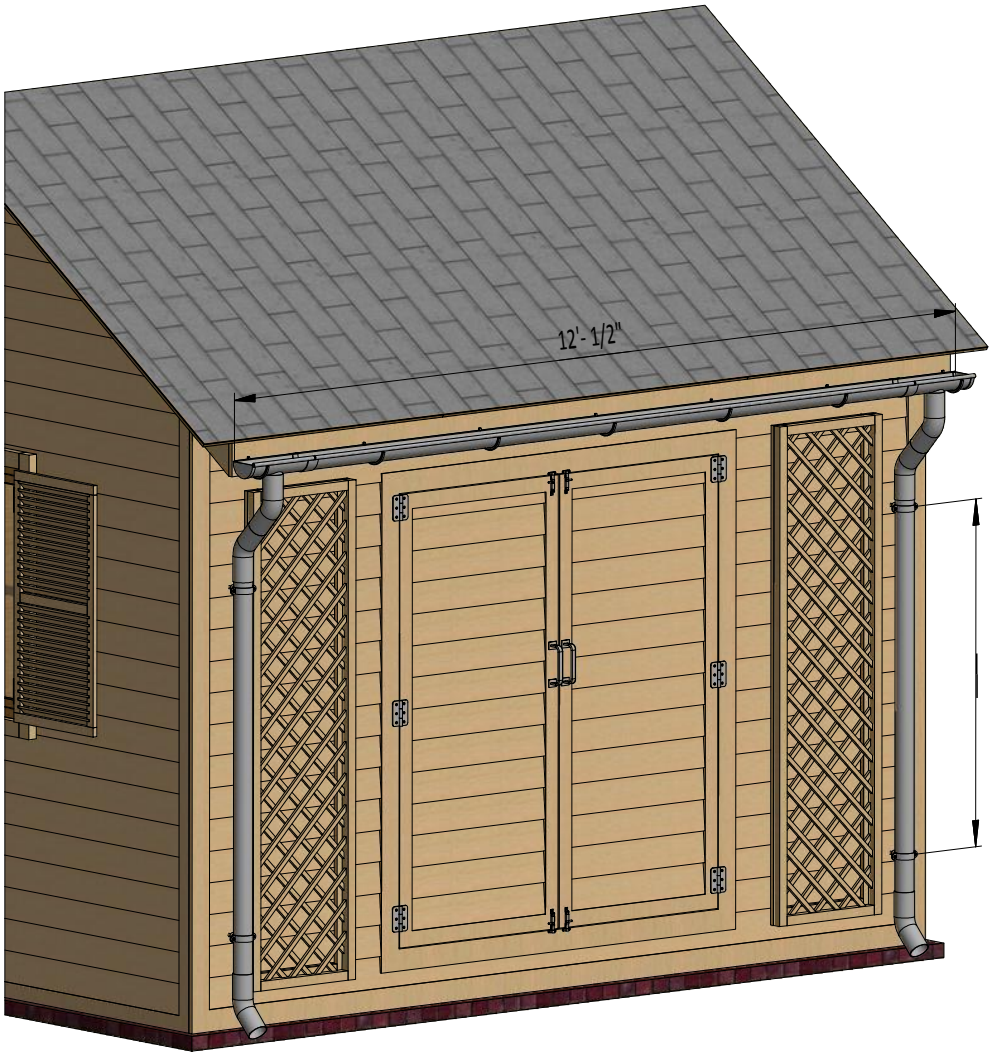
STEP 12

Assemble and Install Roof Drainage System

12.1 You will need 5" half round gutter 10' long, two end pieces with the outlet, six 45° elbows, two 3" pipes 6' long, two joint connectors and two end caps to make the roof drainage system.

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

12.3 Fasten the vertical pipe sections with the four wall fasteners at even intervals.



STEP 13

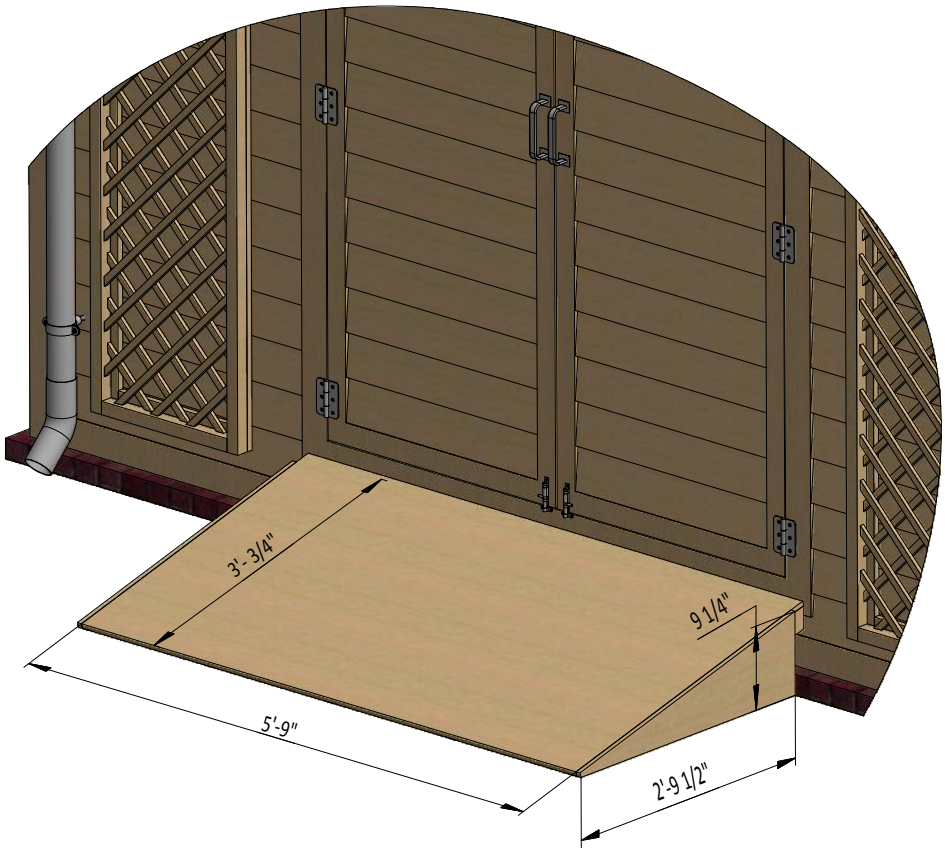
Assemble and Install Door Ramp

13.1 Make five door ramp frames from pressure-treated lumber and secure with 3 and 5” flat head 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 and secure the frames using one 1 1/2" x 2 1/2" board 5'-9" long and 3” wood screws.

13.3 Cut the 9/16" plywood sheet to 3'-3/4" x 5'-9" for the top plate and two sheets cut 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.

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	29
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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