Craftcamp

Free 12'x24' Storage Shed Plan

Free vs. Premium Plan: What's the Difference?

We offer both free and premium versions of our detailed shed plans, designed to fit your needs and budget. Check out the table below to see the key differences and choose the plan that's right for you:

Features	Free Plan	Premium Plan
Steps Count	12	29
Illustrations per Step	Limited	Every Step
Print Ready Format	X	✓
Step-by-Step Instructions	Basic	Comprehensive
Full Materials & Cutting List	X	✓
Additional Illustrations	X	✓
Additional Blueprints	X	✓
Tools List	X	✓
Fastening Elements List	X	✓
Technical Support	X	✓

Try Premium Risk-Free

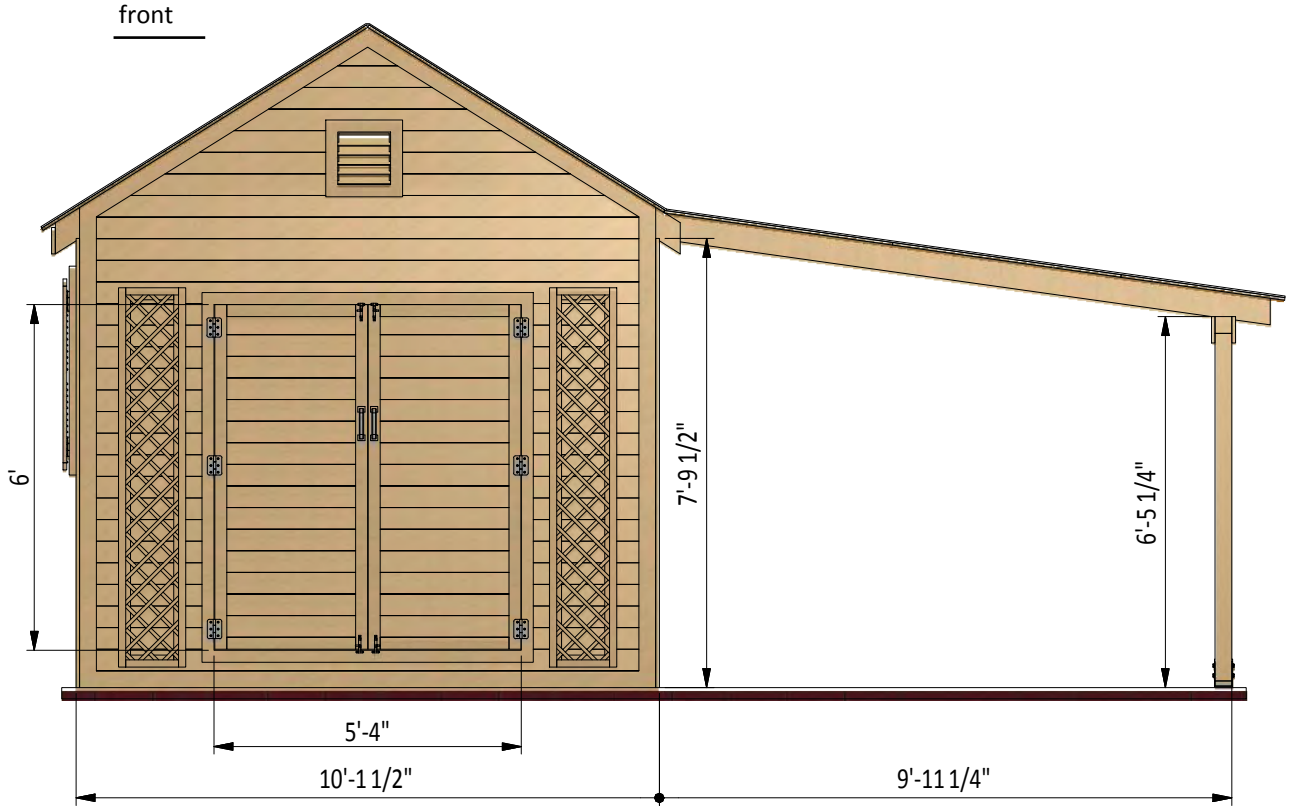
60-day refund policy with no questions asked.

20'x10' garden shed shopping list

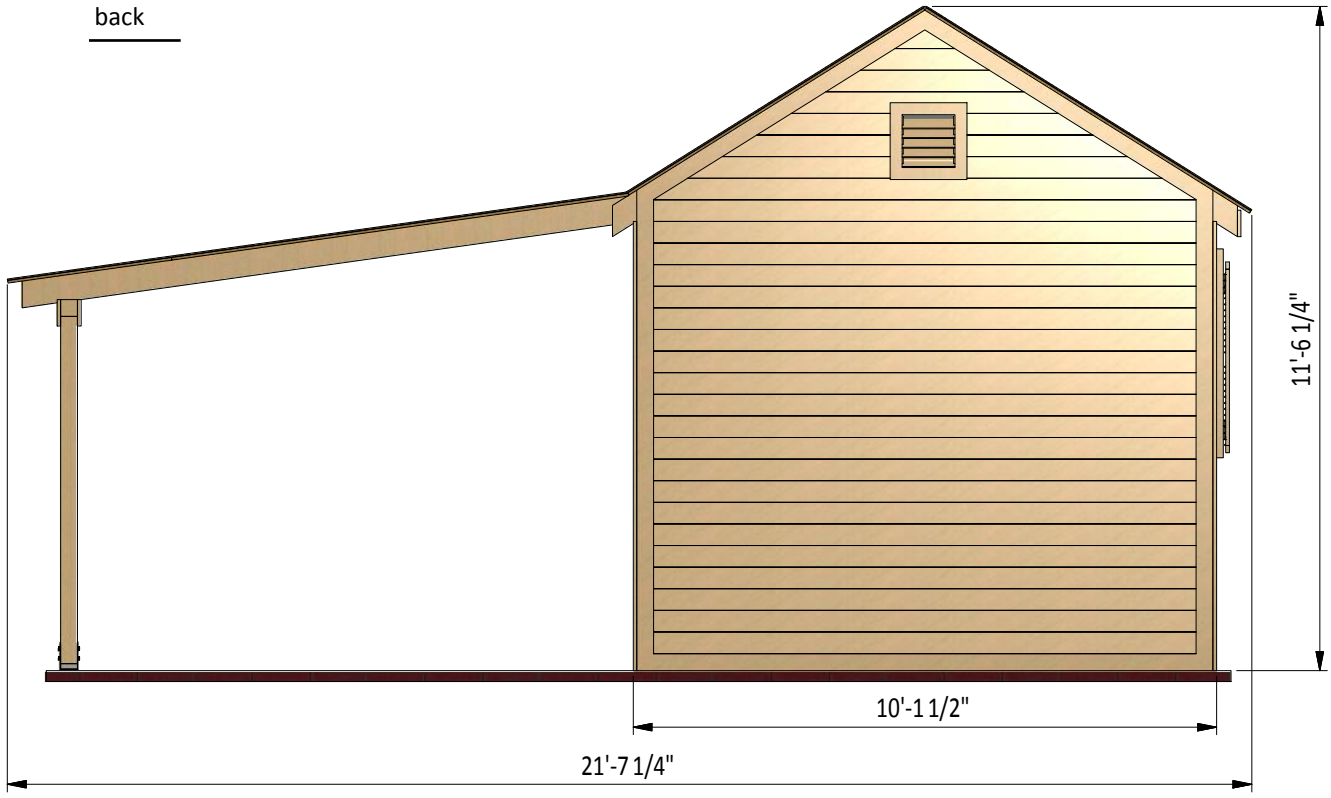
Material	Unit	Qty	Size
Pressure-Treated Lumber 1"x2"	pcs	4	10'
Pressure-Treated Lumber 1"x2"	pcs	23	6'
Pressure-Treated Lumber 1"x2"	pcs	2	8'
Pressure-Treated Lumber 1"x3"	pcs	3	6'
Pressure-Treated Lumber 1"x3"	pcs	2	10'
Pressure-Treated Lumber 1"x3"	pcs	6	8'
Pressure-Treated Lumber 1"x4"	pcs	6	6'
Pressure-Treated Lumber 1"x4"	pcs	7	10'
Pressure-Treated Lumber 1"x4"	pcs	2	8'
Pressure-Treated Board 1"x6"	pcs	3	10'
Pressure-Treated Board 1"x8"	pcs	1	10'
Pressure-Treated Lumber 2"x2"	pcs	2	6'
Pressure-Treated Lumber 2"x2"	pcs	3	8'
Pressure-Treated Lumber 2"x2"	pcs	2	12'
Pressure-Treated Lumber 2"x3"	pcs	8	6'
Pressure-Treated Lumber 2"x3"	pcs	4	8'
Pressure-Treated Lumber 2"x4"	pcs	5	12'

Size & Dimensions

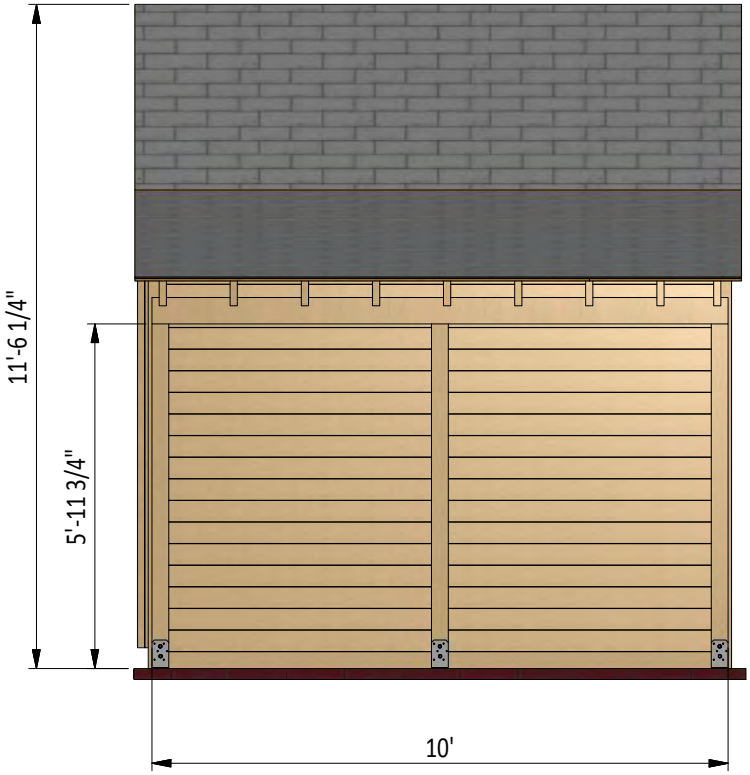
front



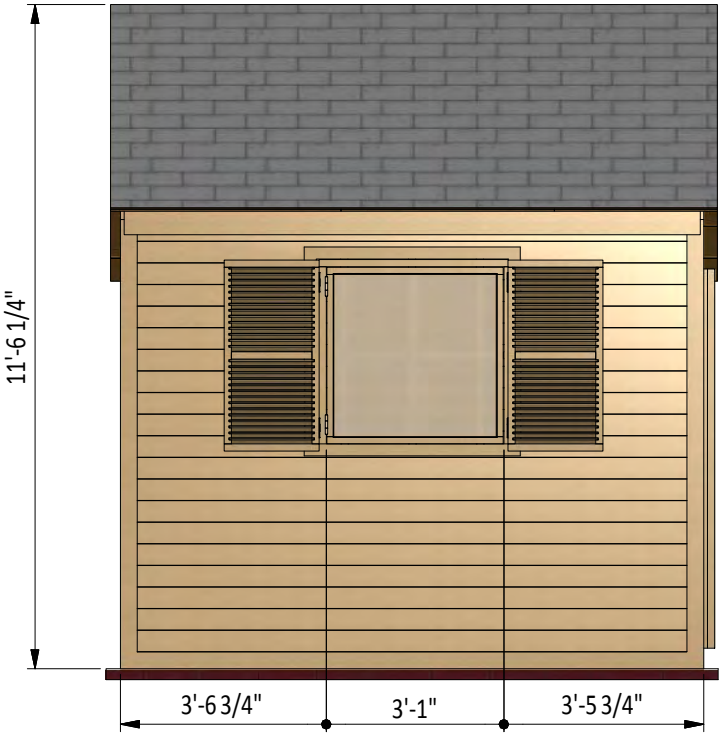
back



right



left

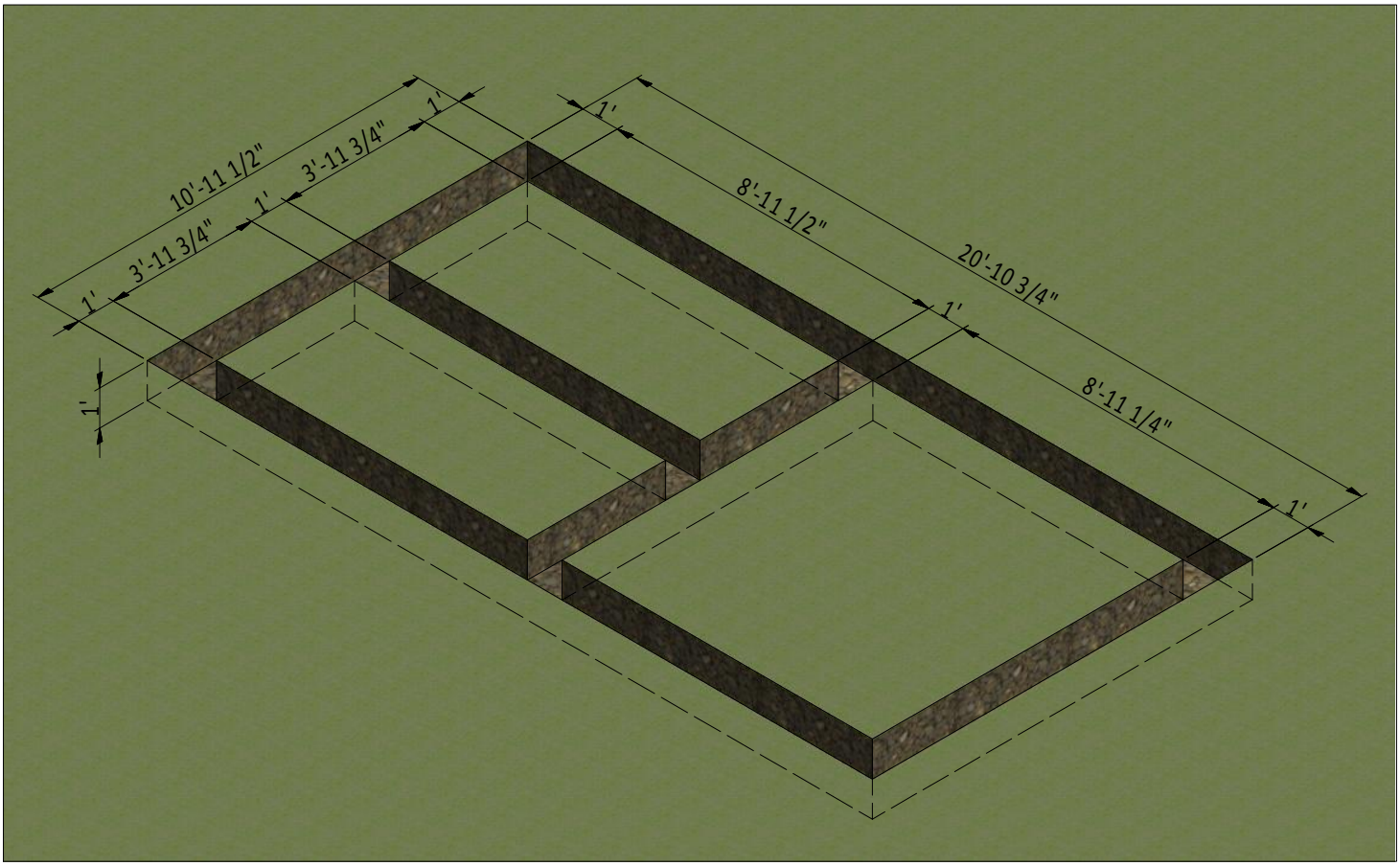


STEP 1

Ground Works

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.



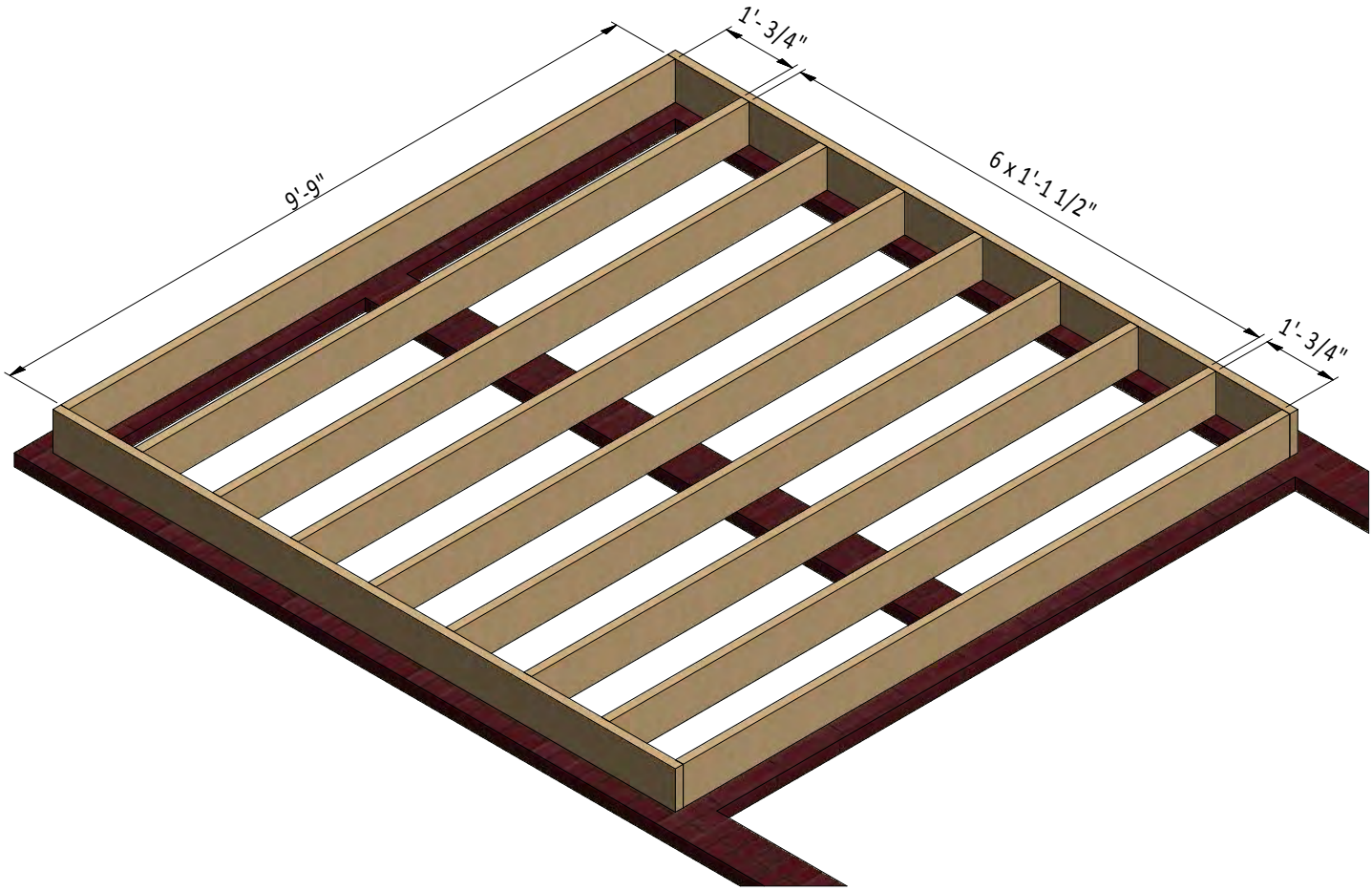
STEP 1

Framing the Floor

1.1 Assemble the frame using 1 1/2” x 7 1/4” pressure-treated lumber. You will need seven boards cut to 9'-9” that will be the joist.

1.2 Secure the beams with 8x5" wood screws.

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



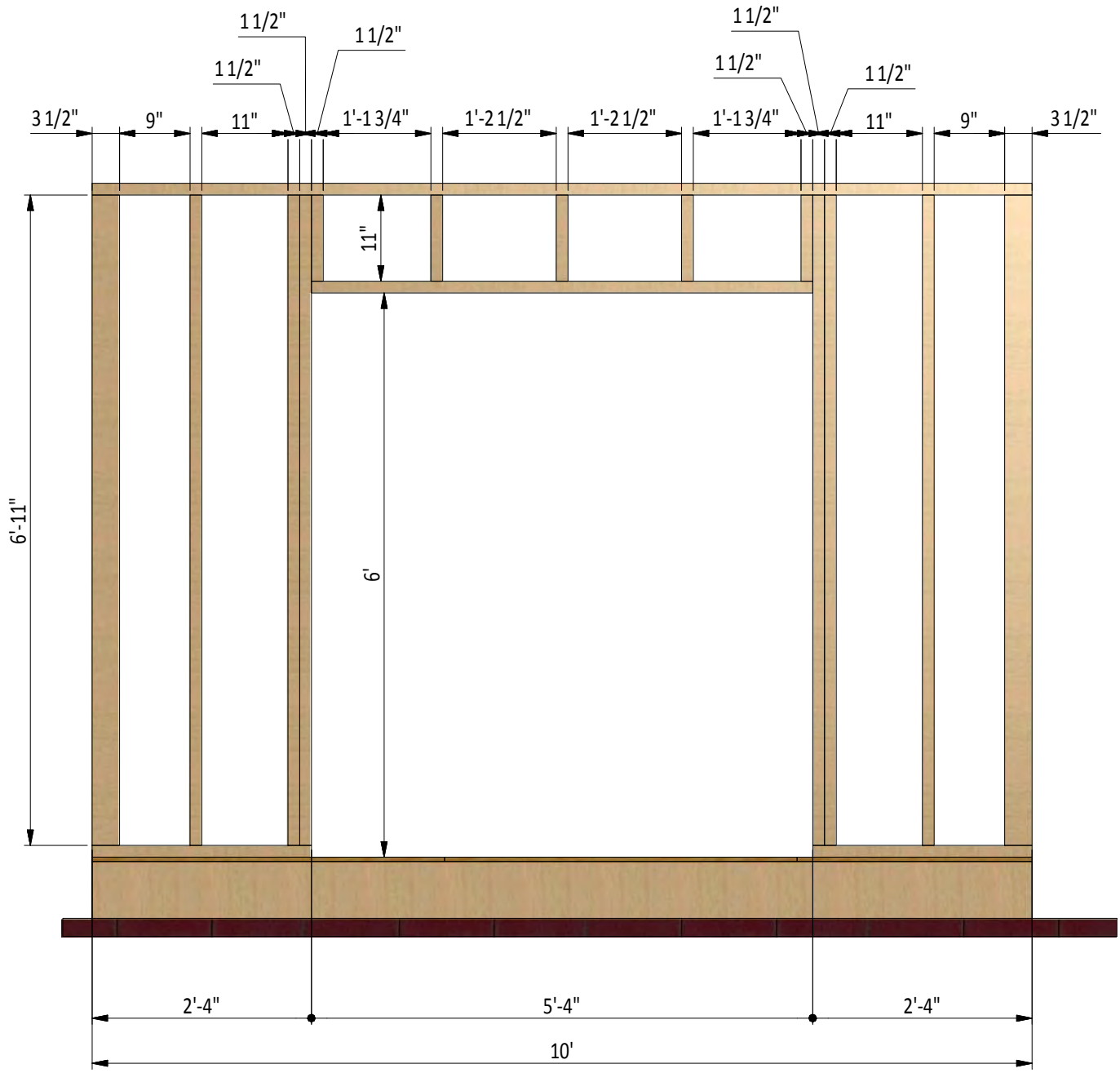
STEP 2

Assemble Front Wall Frame

2.1 Using 1 1/2“ x 3 1/2“ and 3 1/2“ x 3 1/2“ pressure-treated lumber, construct front wall frame using the drawing below as a reference. You will need five boards cut to 11" that will be the cripple studs, one board cut to 5'-4" that will be the door header, eight boards cut to 6'-11" that will be the studs, two boards cut to 2'-4" that will be the bottom plates and one board cut to 10' that will be the top plate.

2.2 Connect the beams with 2x4" wood screws.

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



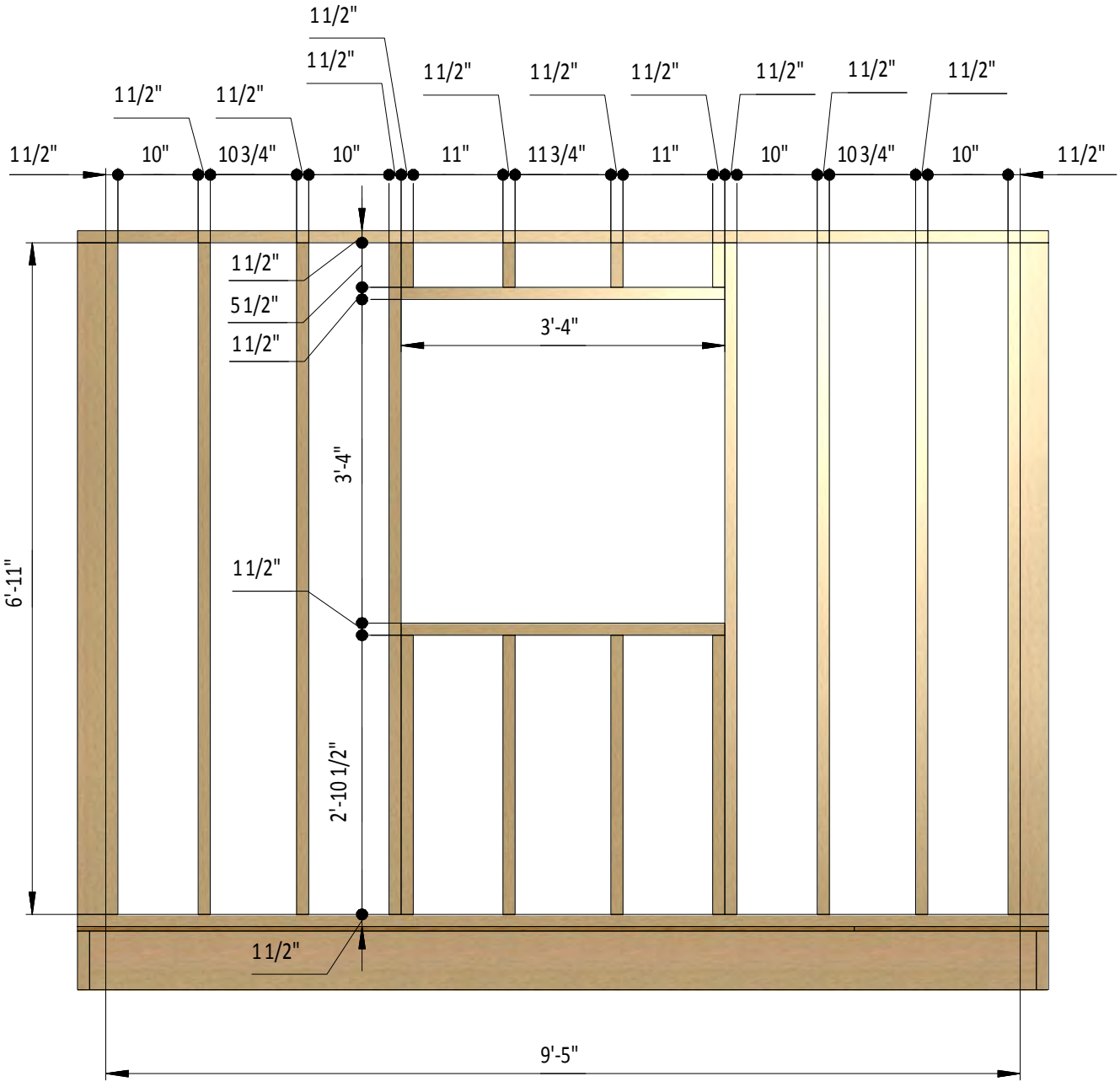
STEP 3

Assemble Left Wall Frame

3.1 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.

3.2 Connect the beams with 2x4" wood screws.

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



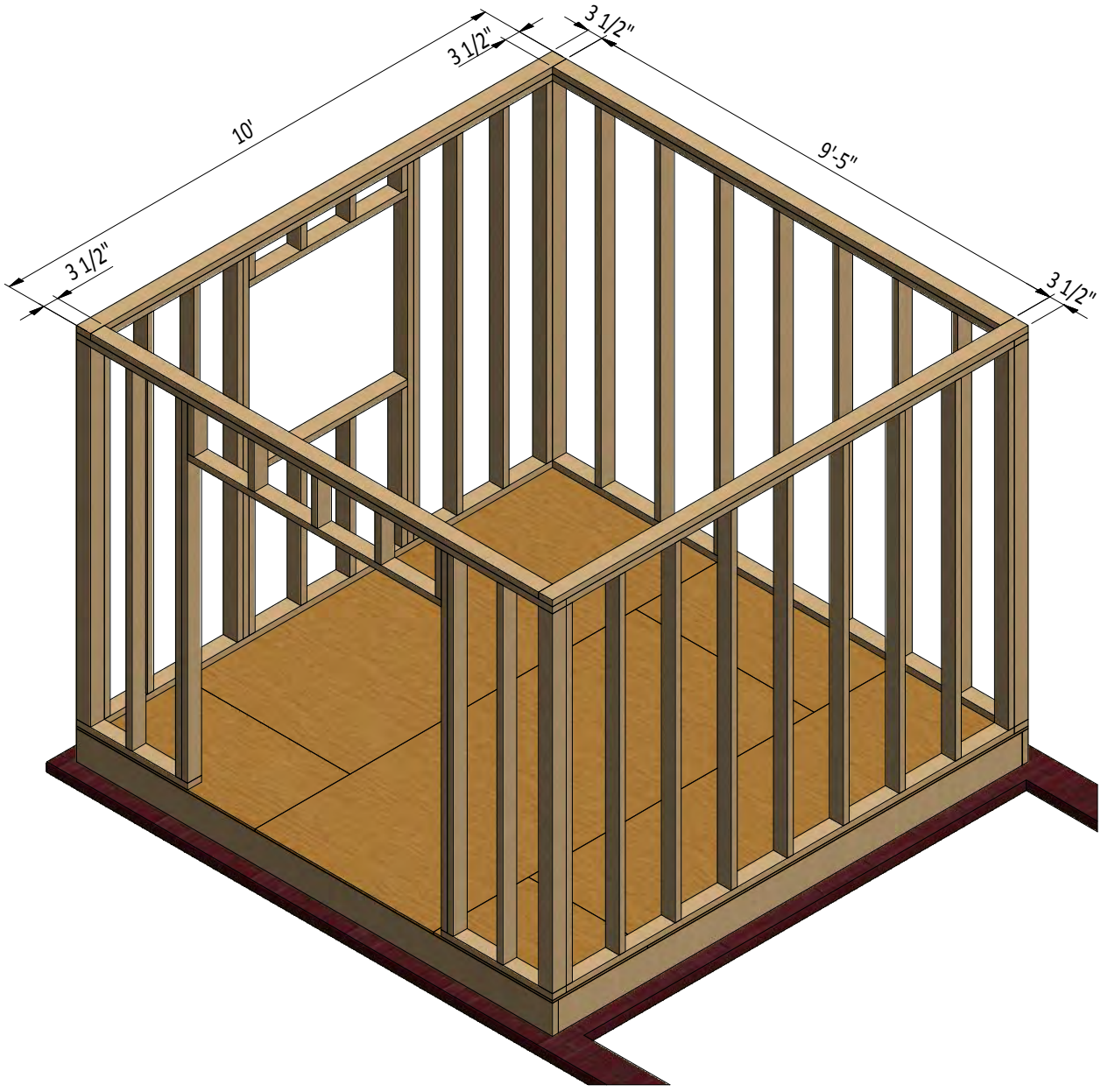
STEP 4

Assemble the Top Beams

4.1 Assemble the beams using 1 1/2” x 3 1/2” pressure-treated lumber. You will need two boards cut to 10' and two boards cut to 9'-5".

4.2 Connect the beams with 2x4" wood screws.

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



STEP 5

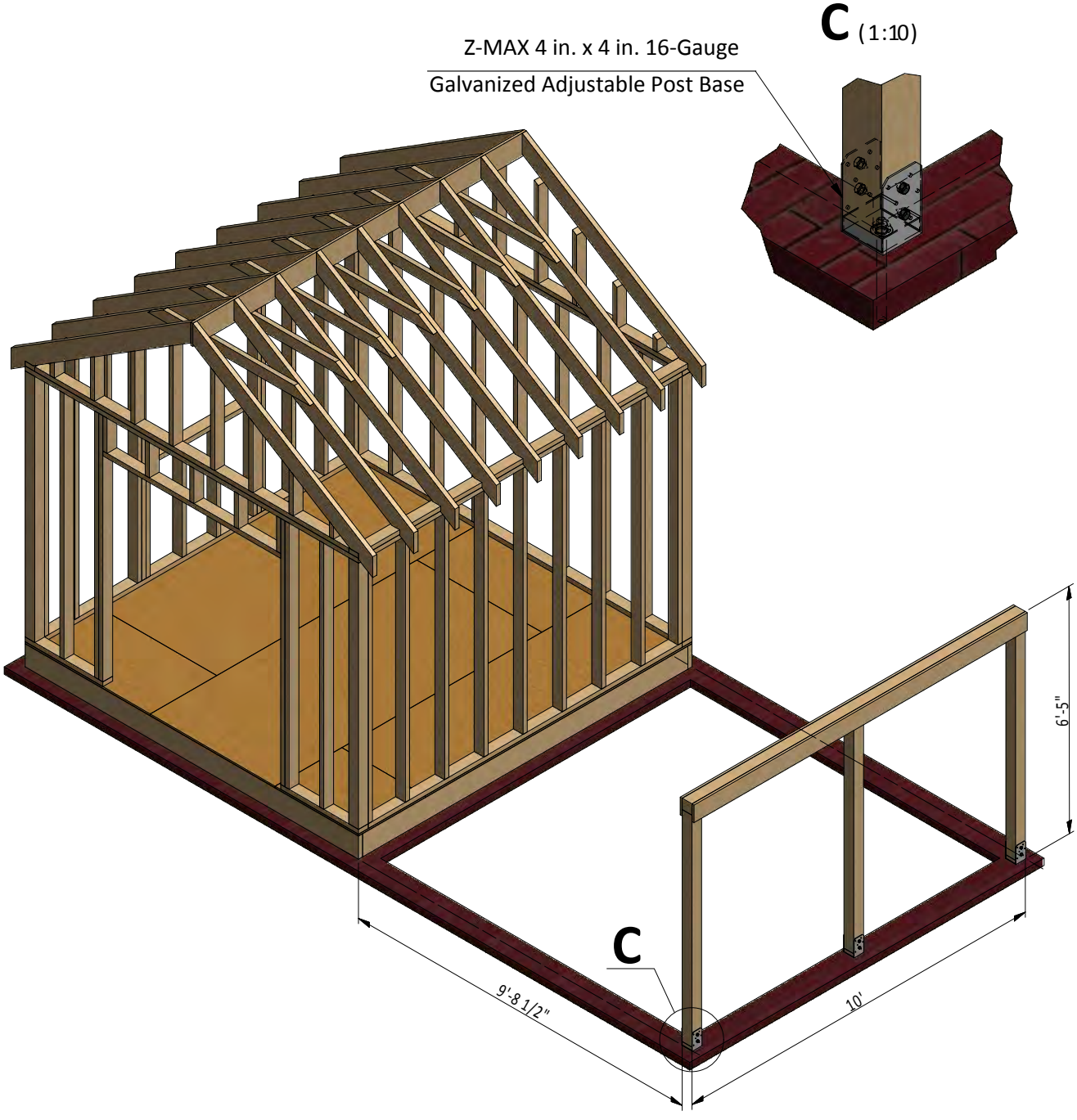
Assemble Awning Side Wall Frame

5.1 Using 3 1/2“ x 3 1/2“ pressure-treated lumber, construct front wall frame using the drawing below as a reference. You will need three boards cut to 6'-1/4" that will be the studs and one board cut to 10' that will be the top beam. Connect the beams with 2x5"wood screws.

5.2 Using 3/4“ x 5 1/2“ pressure-treated board provide front wall top plates using the node D-D below as a reference. Cut two boards 10' long and connect them with 8x2" wood screws from both sides of the top beams.

5.3 Install the studs with the help of Z-MAX 4 in. x 4 in. 16-Gauge Galvanized Adjustable Post Base. Fix the post base to the bricks with the Hot-Dip Galvanized 5/8 in. x 8 in. Retro-Fit Bolt and post base to the studs with the help of #9 x 1-1/2 in. External Hex Flange Hex-Head Structural-Connector Screw (node **C**).

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

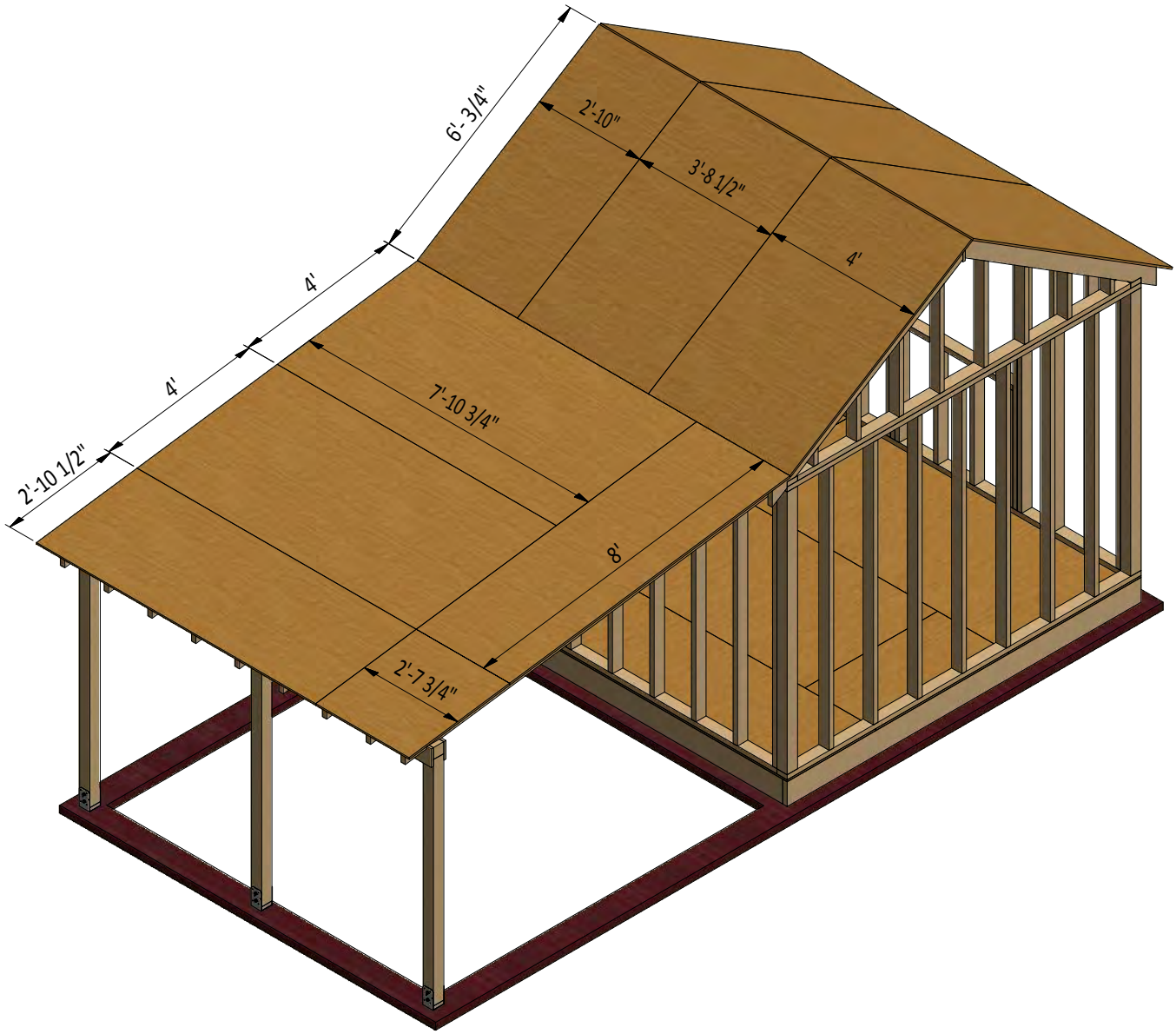


STEP 6

Install Plywood for the Roof

6.1 Cut sheets of 9/16” plywood for the roof sheathing using the drawing below as a guide. You will need two 2'-10" x 6'-3/4" sheets, two 3'-8 1/2" x 6'-3/4" sheets, two 4' x 6'-3/4" sheets, two 4' x 7'-10 3/4" sheets, one 2'-10 1/2" x 7'-10 3/4" sheet, one 2'-7 3/4" x 8' sheet and one 2'-7 3/4" x 2'-10 1/2" sheet.

6.2 Secure the plywood with 2" wood screws.



STEP 7

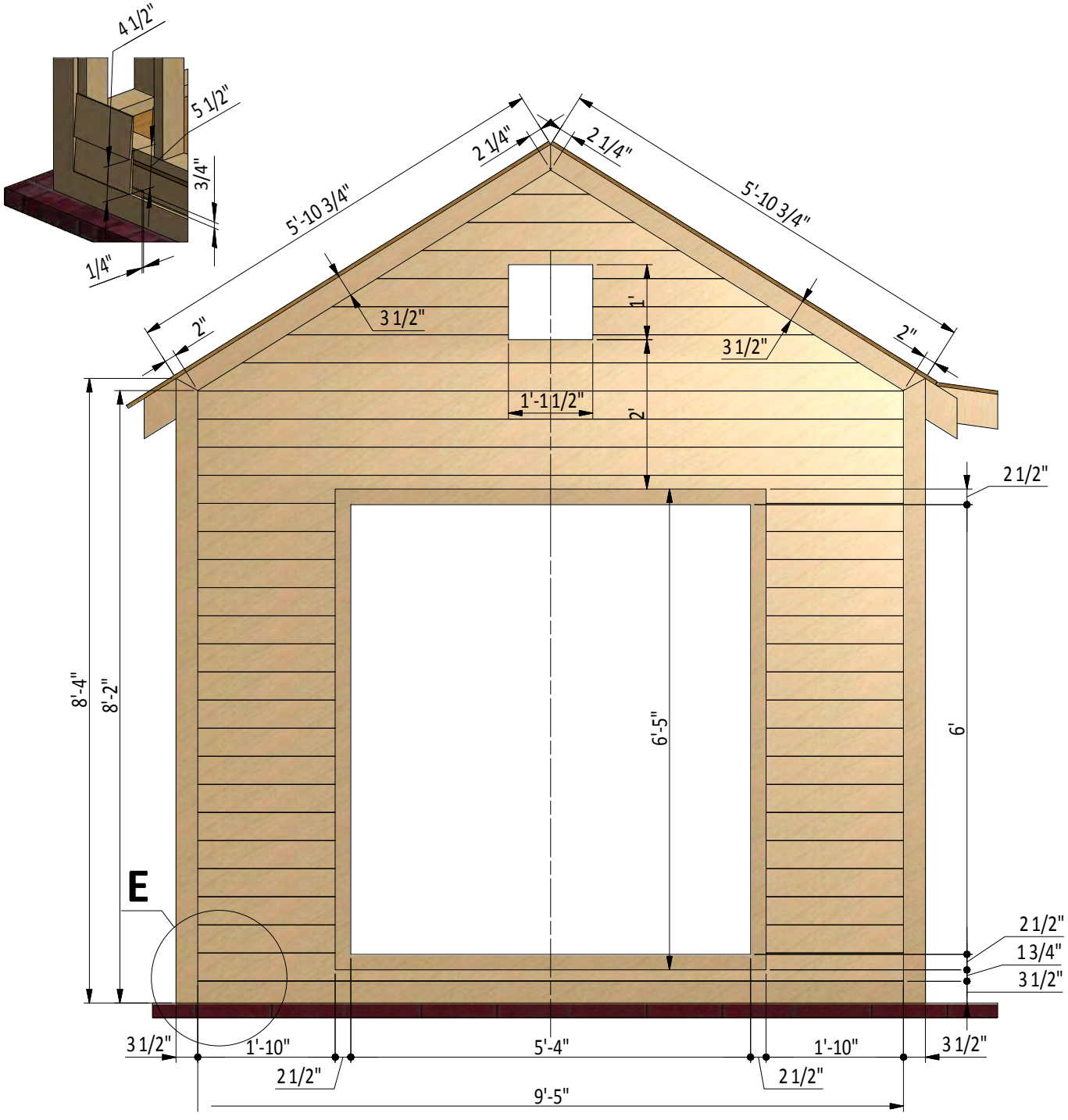
Installing the Exterior Siding to the Front Wall

7.1 Use 3/4" x 2 1/2" and 3/4" x 3 1/2" pressure-treated lumber to cut and install the door and wall trims. Use the illustration below as a reference. You will need one board cut to 9'-5", two boards cut to 8'-4",two boards cut to 5'-10 3/4", two boards cut to 5'-4" and two boards cut to 6'-5".

7.2 Prepare and install starter course 9'-5" long from the pressure-treated lumber with cross section 1/4" x 3/4" (node **I**).

7.3 Install the exterior siding using 1/2 " x 6" siding boards in accordance with the illustration below.

I (1:10)



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 Prepare the 9/16" plywood sheet with dimensions 2'-7 3/4" x 5'-11 3/4" for the doors according to the drawing.

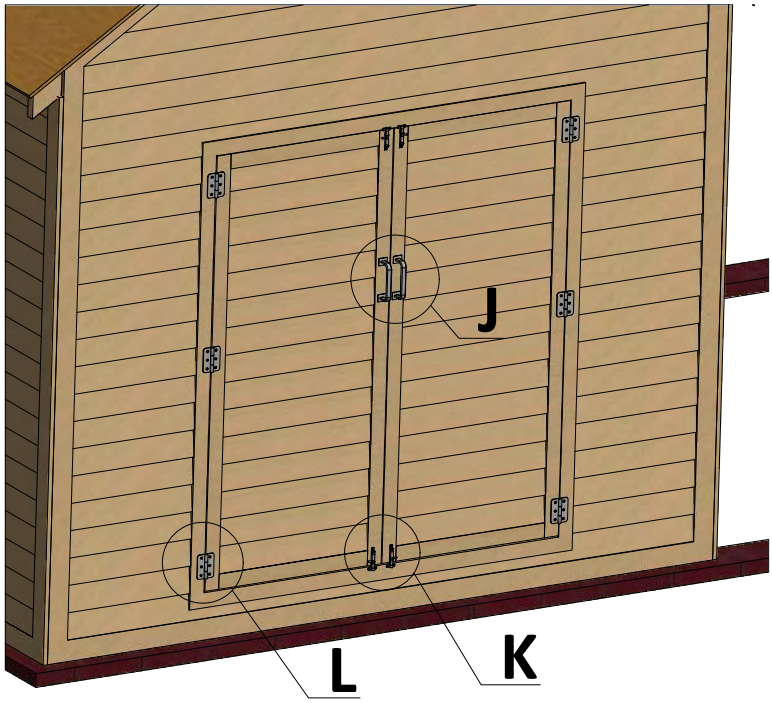
8.3 Use 2 1/2 " x 3/4 " pressure-treated lumber for the door trim and fasten with 2" wood screws. You will need two boards cut to 2'-2 3/4" and two boards cut to 5'-11 3/4".

8.4 Using 1/4 " x 3/4 " pressure-treated lumber, cut and install a starter course 2'-2 3/4" long using Node **I** on page 30 as a reference.

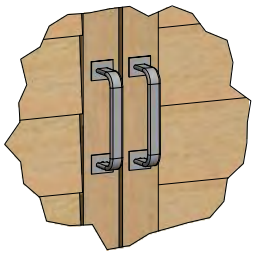
8.5 For the exterior siding on the door, use 1/2 " x 6" wood siding boards and the illustration below as a reference.

8.6 Assemble siding shields with 2" galvanized nails.

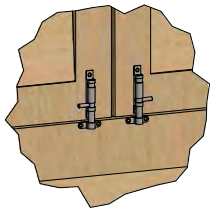
8.7 Install three 3" door hinges using 6x1" wood screws. Finish the doors installation by attaching 4" surface bolts and 6" door pulls (see nodes **J, K, L**).



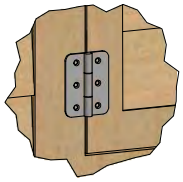
J (1:12)



K (1:12)



L (1:12)

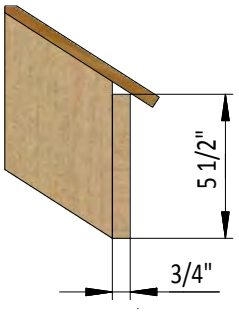


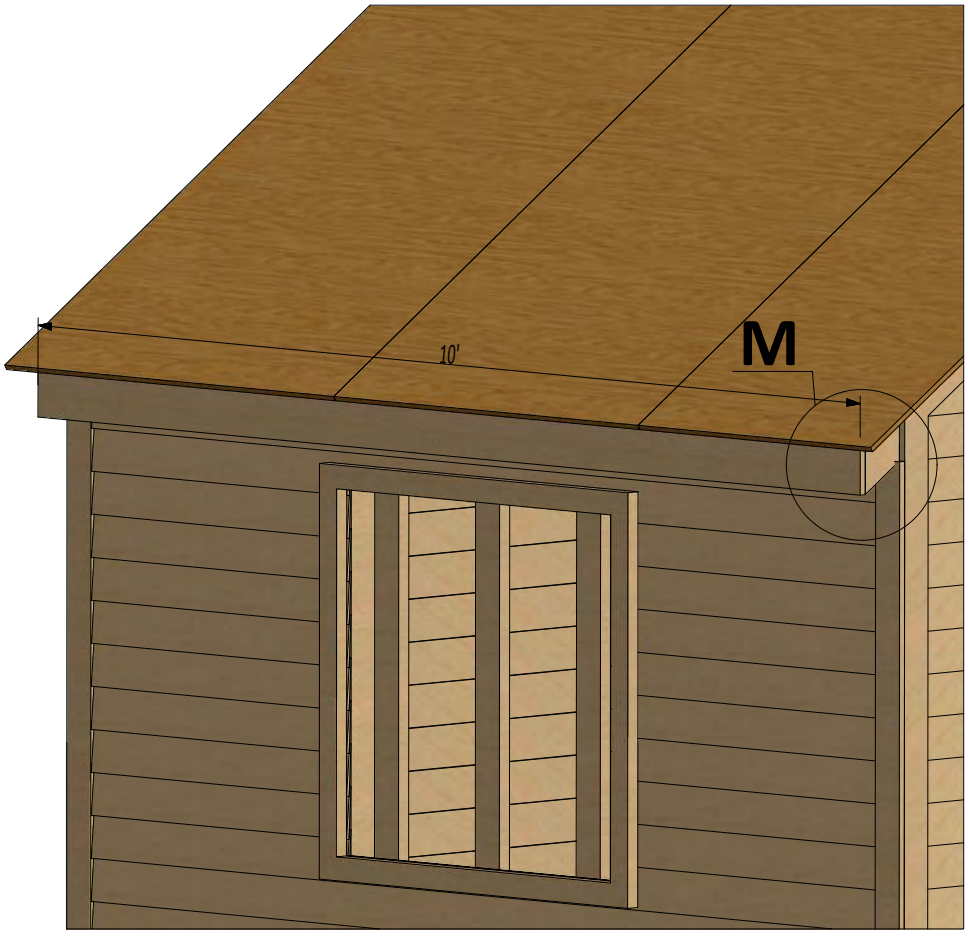
STEP 9

Assemble the Shed's Roof Fascias

9.1 Prepare and install two roof fascias 10' long from the pressure-treated board with cross section 3/4" x 5 1/2" secure with 10x2" wood screws to the rafters on both sides of the roof.

M (1:8)





STEP 10

Window Installation for Left Wall

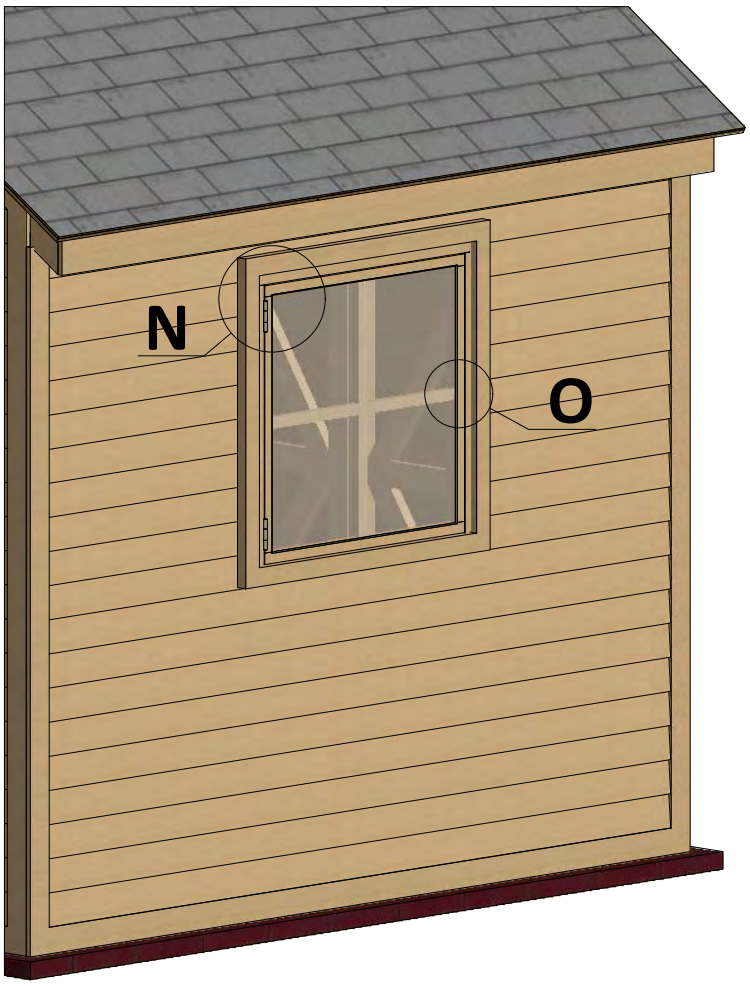
10.1 Using 1 1/2 " x 2 1/2 " pressure-treated lumber, assemble the outer frame for the window as shown in the drawing below. You will need two boards cut to 3'-1" that will be the vertical girts and two boards cut to 3'-4" that will be the horizontal girts. Additionally, add vertical 2'-11 1/2" long and horizontal 3'-1" long supports using 3/4" x 1" lumber (node **F-F**, page 40) and cut the recesses for the window hinges (node L, page 40).

10.2 Use 1 1/2 " x 1 1/2 " pressure-treated material to make the inner frame and secure with 3" wood screws. You will need two boards cut to 2'-9 3/4" that will be the vertical girts and two boards cut to 3'-3/4" that will be the horizontal girts. Mill a recess for the glass panes, in node **G-G** on page 41, and for the hinges as shown in node **R** on page 41.

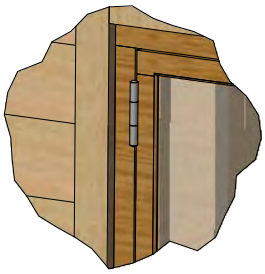
10.3 Use 1 1/4 " x 1 1/2 " pressure-treated material to make the inner frame supports and secure with 3" wood screws. You will need two boards cut to 2'-9 3/4" and mill a recess for interconnection.

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

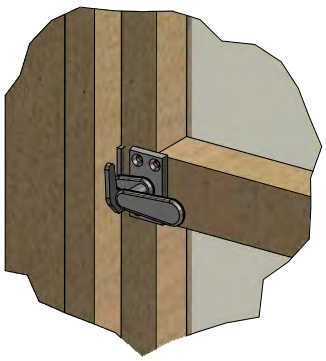
10.5 Install two hinges (3") with 6x1" wood screws and assemble the window. Install a lock on the inner side of the window (see nodes **N,O**)



N (1:12)



O (1:4)

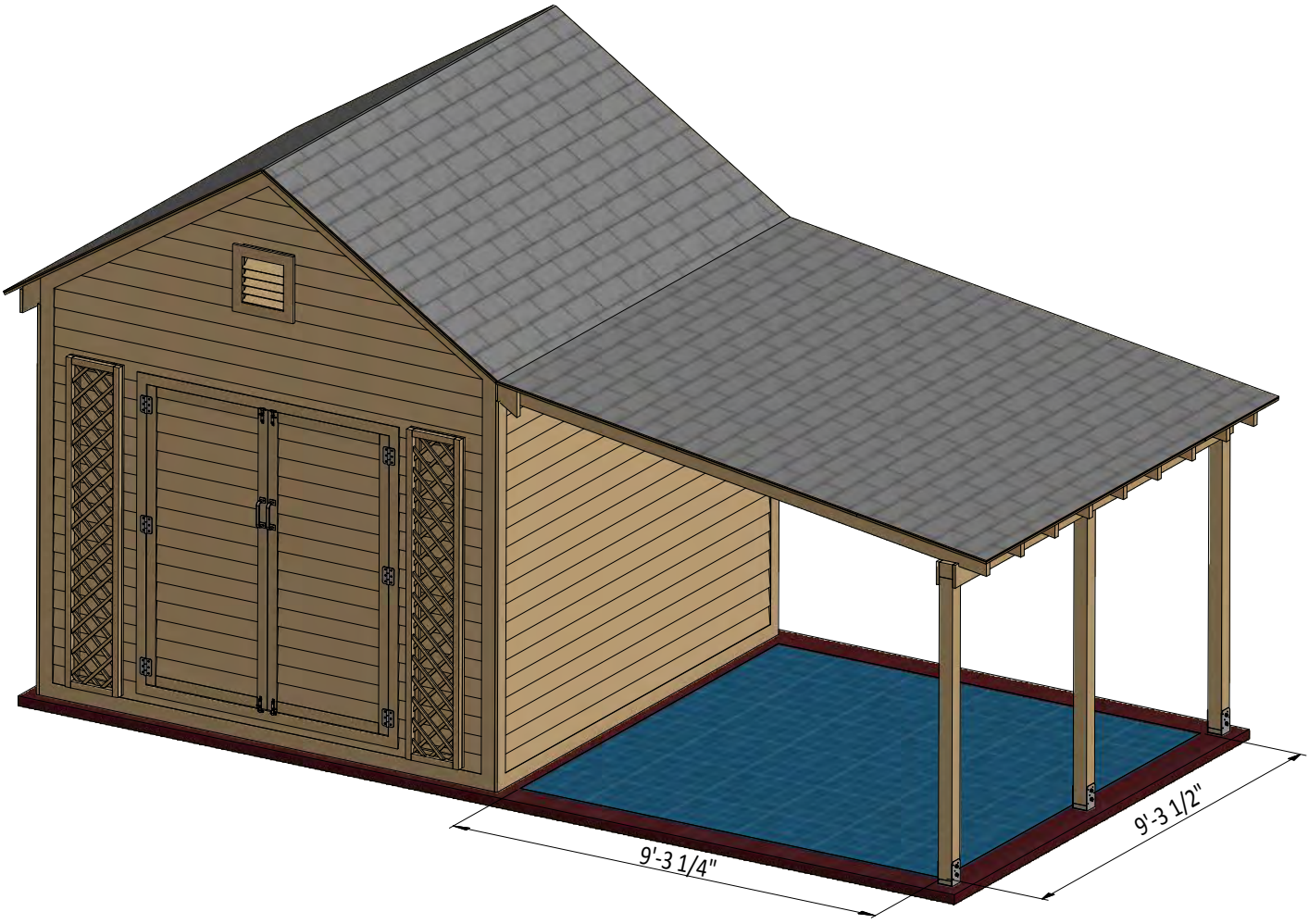


STEP 11

Awning Floor Installation

11.1 To finish the floor under the awning you can cement the screed flush with the top of the brick.

11.2 In case you will use tiling provide the screed taking into account the thickness of the tile and the adhesive layer to make the floor in one level.



STEP 12

Final touches

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

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