



Free 12'x20' 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	11	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](#)

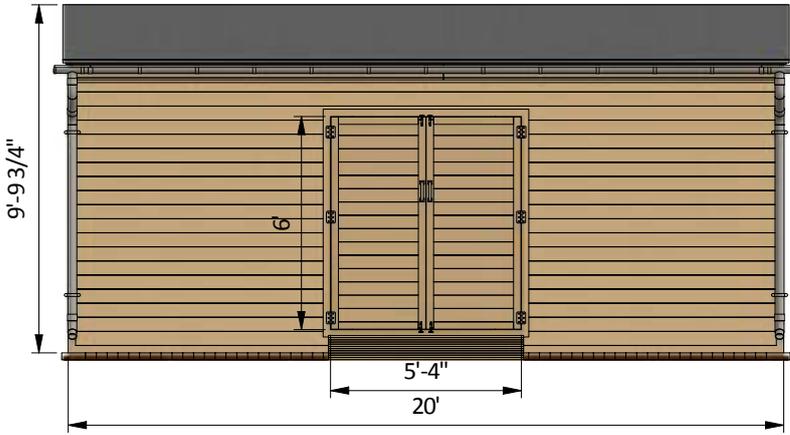
60-day refund policy with no questions asked.

12'x20' storage shed shopping list

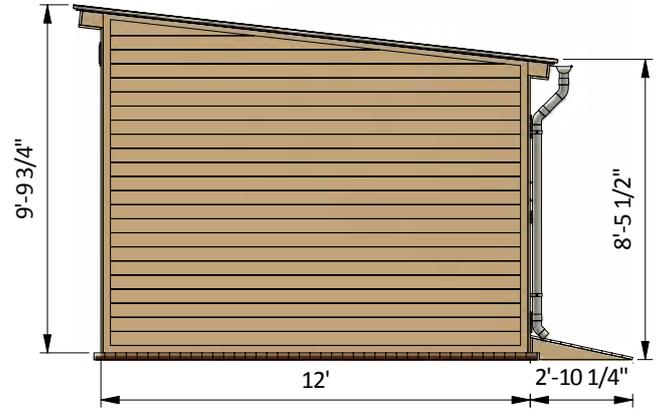
Material	Unit	Qty	Size
Pressure-Treated Lumber 1"x2"	pcs	2	12'
Pressure-Treated Lumber 1"x2"	pcs	2	20'
Pressure-Treated Lumber 1"x2"	pcs	1	6'
Pressure-Treated Lumber 1"x3"	pcs	8	6'
Pressure-Treated Lumber 1"x3"	pcs	4	8'
Pressure-Treated Lumber 1"x3"	pcs	6	10'
Pressure-Treated Lumber 1"x3"	pcs	4	12'
Pressure-Treated Lumber 1"x3"	pcs	2	20'
Pressure-Treated Lumber 1"x4"	pcs	10	6'
Pressure-Treated Board 1"x6"	pcs	1	6'
Pressure-Treated Board 1"x6"	pcs	3	10'
Pressure-Treated Lumber 1"x6"	pcs	3	12'
Pressure-Treated Board 1"x8"	pcs	1	12'
Pressure-Treated Board 1"x8"	pcs	1	10'
Pressure-Treated Lumber 2"x4"	pcs	13	6'
Pressure-Treated Lumber 2"x4"	pcs	39	8'
Pressure-Treated Lumber 2"x4"	pcs	14	10'
Pressure-Treated Lumber 2"x4"	pcs	6	12'
Pressure-Treated Lumber 2"x4"	pcs	4	20'

Size & Dimensions

front



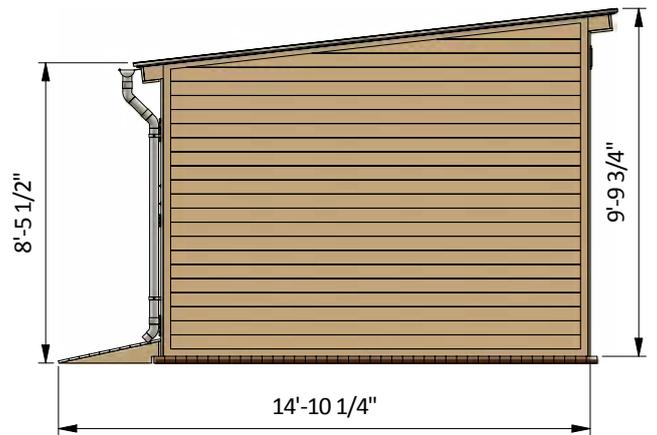
left



back



right

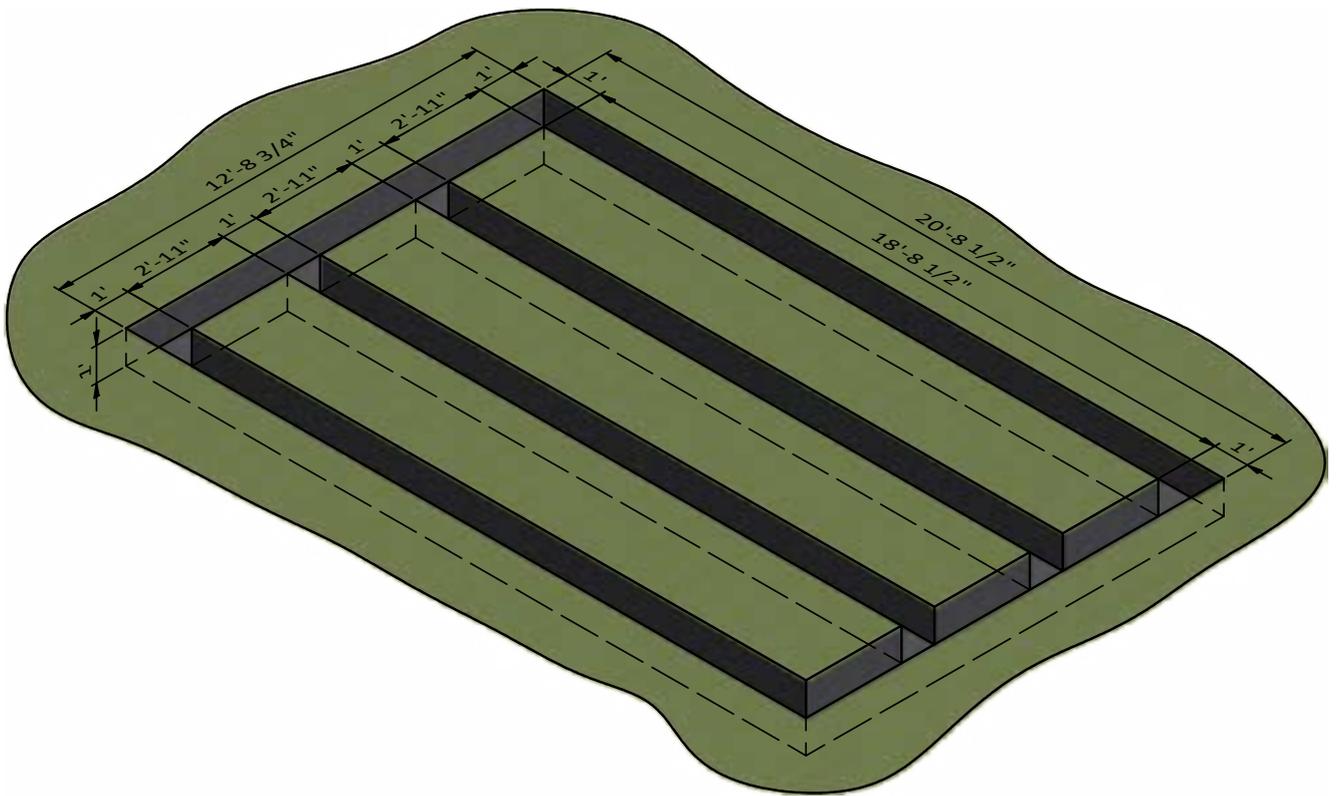


STEP 1

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.



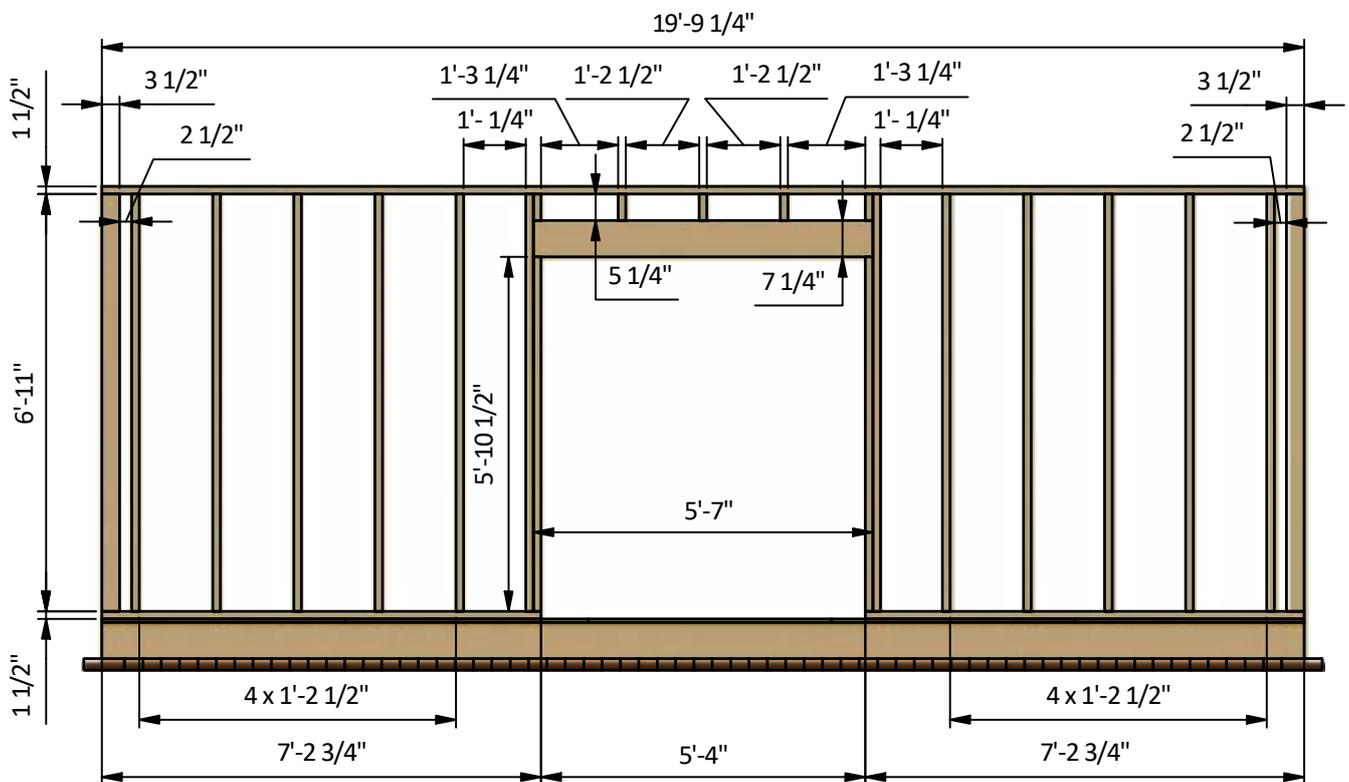
STEP 3

Assemble Front Wall Frame

3.1 Using $1\frac{1}{2}$ " x $3\frac{1}{2}$ ", $1\frac{1}{2}$ " x $7\frac{1}{4}$ " and $3\frac{1}{2}$ " x $3\frac{1}{2}$ " pressure-treated lumber, construct front wall frame using the drawing below as a reference. You will need fourteen boards cut to $6'$ - $11"$, two boards cut to $5'$ - $10\frac{1}{2}"$ that will be studs, two boards cut to $7'$ - $2\frac{3}{4}"$ that will be the bottom plates, one board cut to $19'$ - $9\frac{1}{4}"$ that will be the top plate, two boards cut to $5'$ - $7"$ that will be the door header and five boards cut to $5\frac{1}{4}"$ that will be cripple studs.

3.2 Connect the beams with 2 x 3 " and 2 x 5 " wood screws.

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



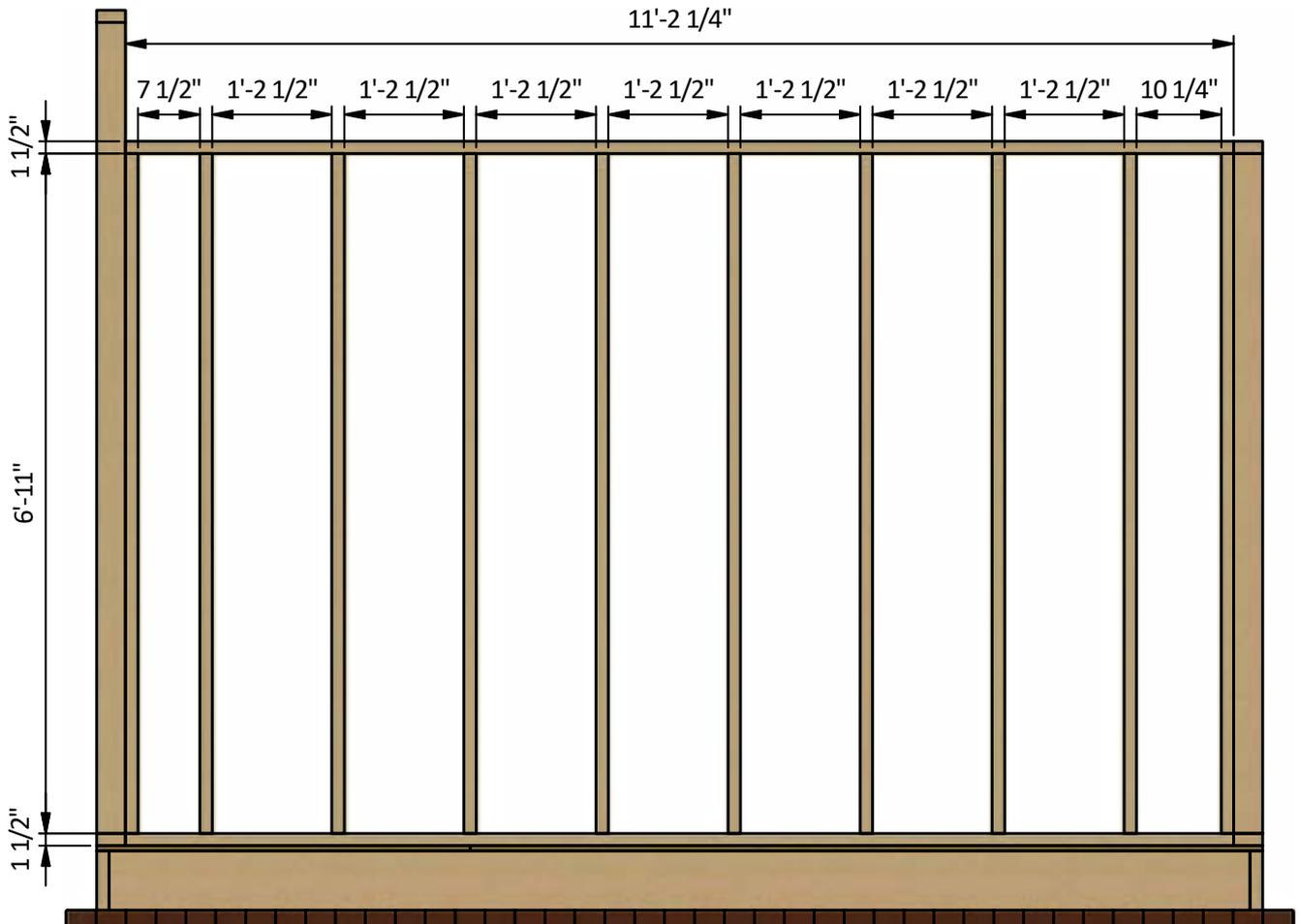
STEP 4

Assemble Side Wall Frames

4.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, construct side wall frames using the drawing below as a reference. For each side wall you will need ten boards cut to 6'-11" and two boards cut to 11'-2 1/4" that will be the top and bottom plates.

4.2 Connect the beams with 2x3" wood screws.

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

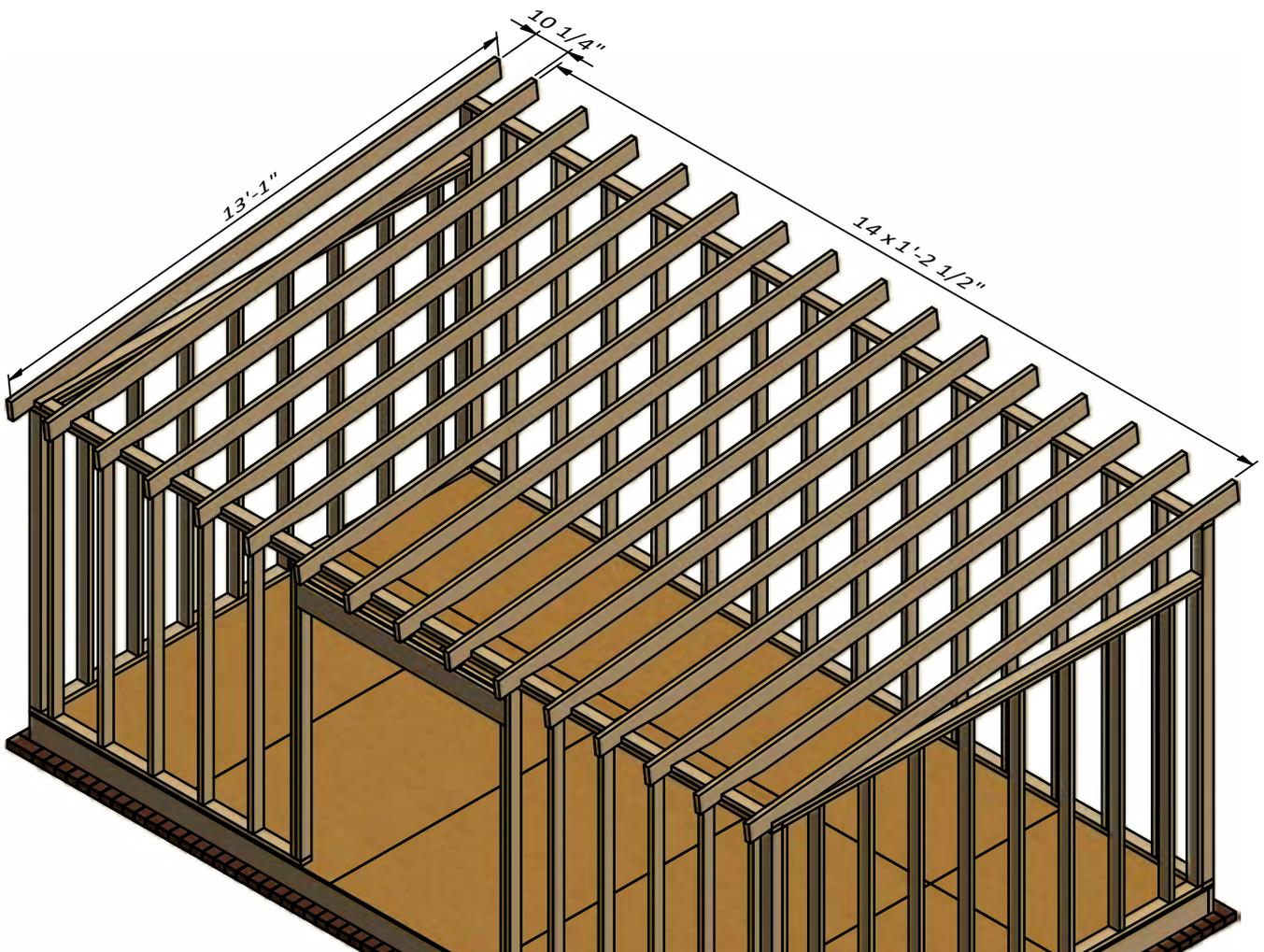
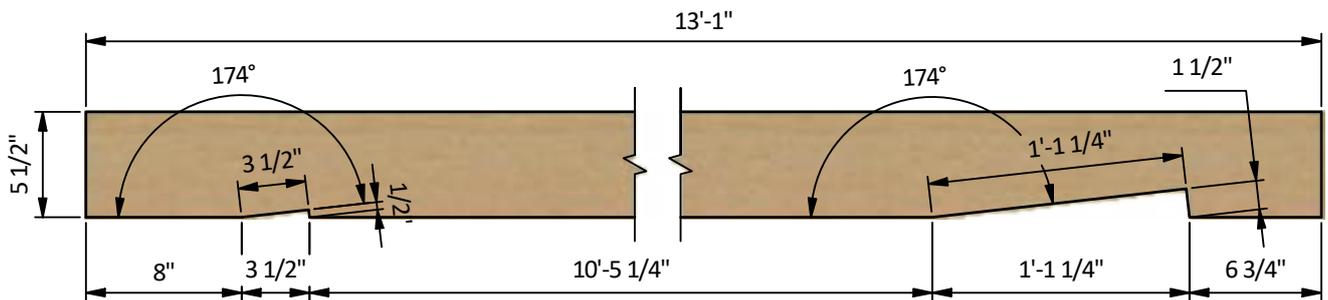


STEP 5

Assemble the Roof Frame

5.1 Using 1 1/2" x 5 1/2" pressure-treated lumber, cut sixteen rafters 13'-1" long according to the dimensions in drawing below. Cut the recesses in each beam for splicing connection with wall frames.

5.2 Connect the beams with a top frame with the help of 5" wood screws.

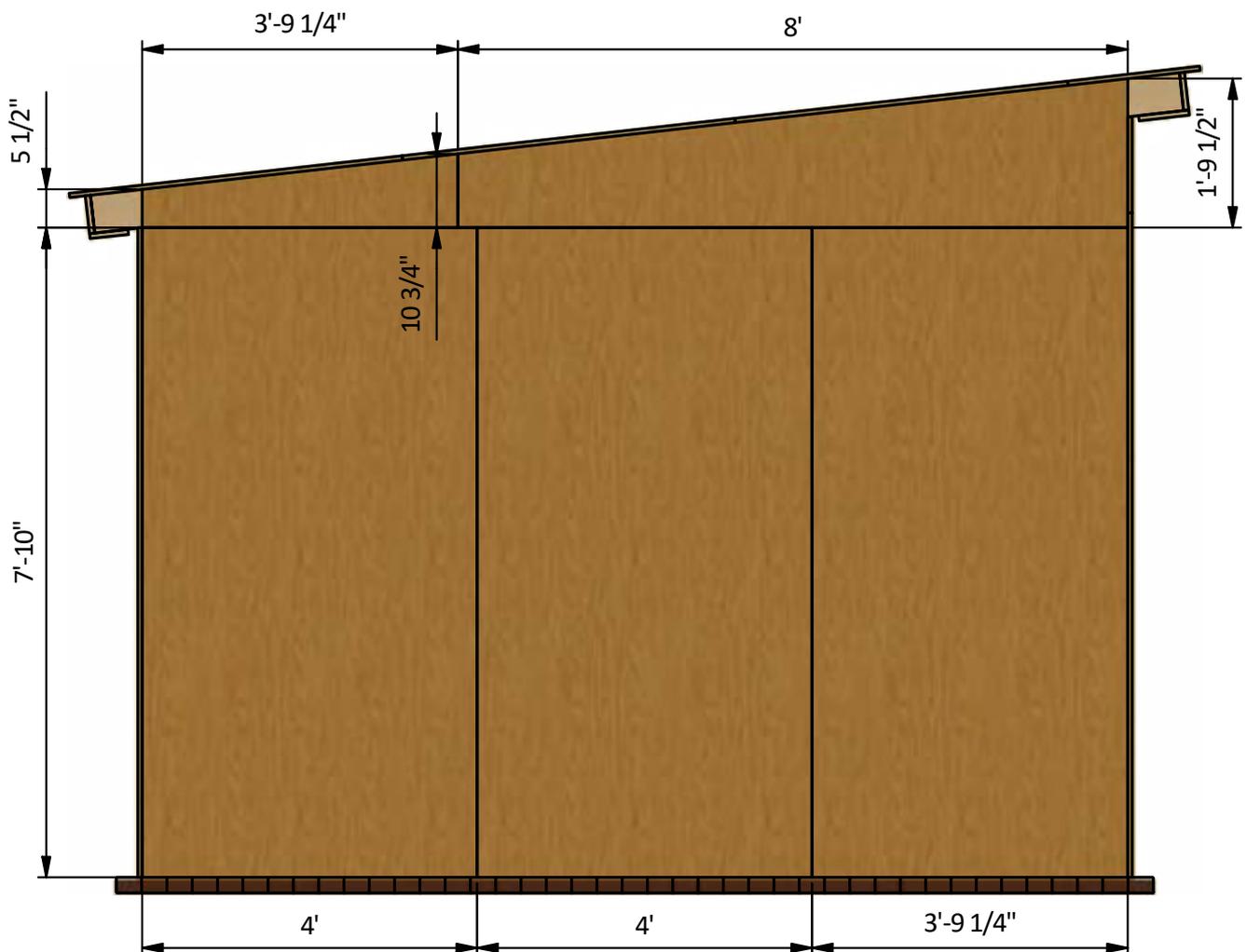


STEP 6

Install Plywood for the Side Walls

6.1 Cut sheets of 5/8" plywood for the left and right walls sheathing using the drawing below as a guide. For each wall you will need one 3'-9 1/4" x 7'-10" sheet, two 4' x 7'-10" sheets, one 1'-9 1/2" x 8' sheet and one 10 3/4" x 3'-9 1/4" sheet.

6.2 Secure the plywood with 2" wood screws.



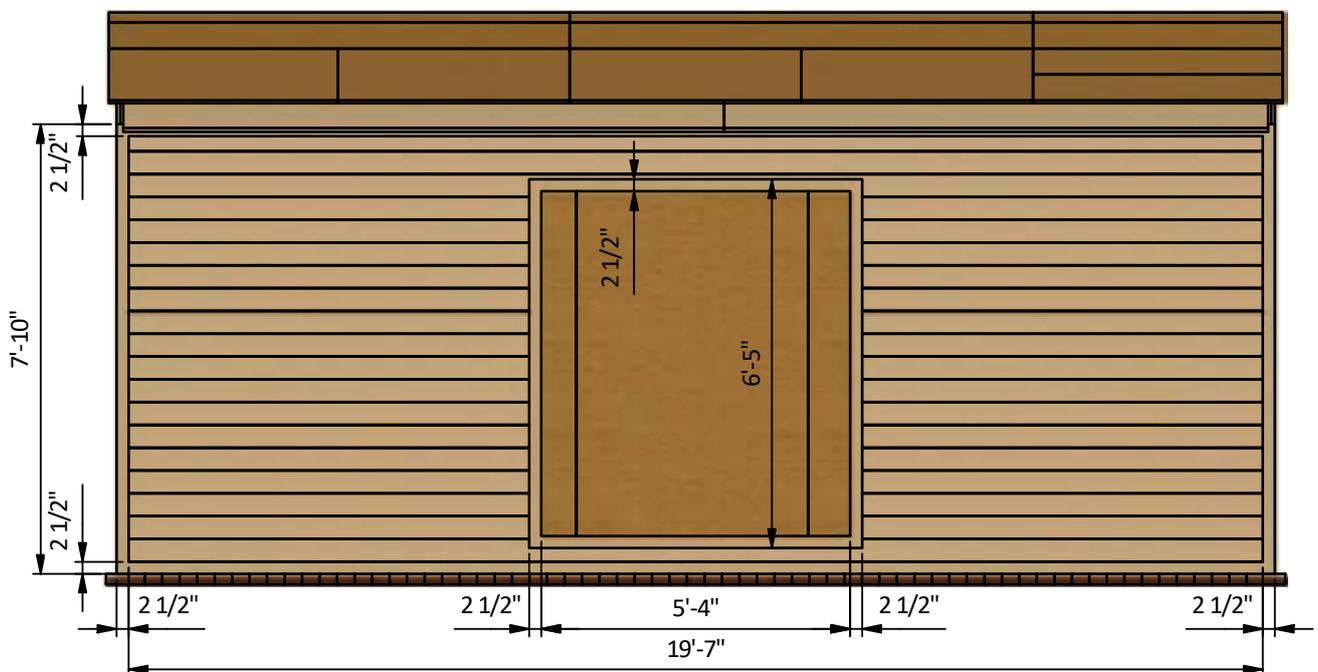
STEP 7

Installing the Exterior Siding to the Front Wall

7.1 Use 3/4" x 2 1/2" pressure-treated lumber to cut and install the door and wall trims. Use the illustration below as a reference. You will need two boards cut to 19'-7", two boards cut to 7'-10", two boards cut to 5'-4" and two boards cut to 6'-5".

7.2 Prepare and install starter course 19'-7" long from the pressure-treated lumber with cross section 1/4" x 3/4" (node D on page 30).

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



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'-4 3/4" that will be the vertical girts, two boards cut to 2'-7 3/4" that will be the horizontal girts, two boards cut to 3'-3 1/4" that will be cross braces and one board cut to 2'-3/4" that will be middle girt.

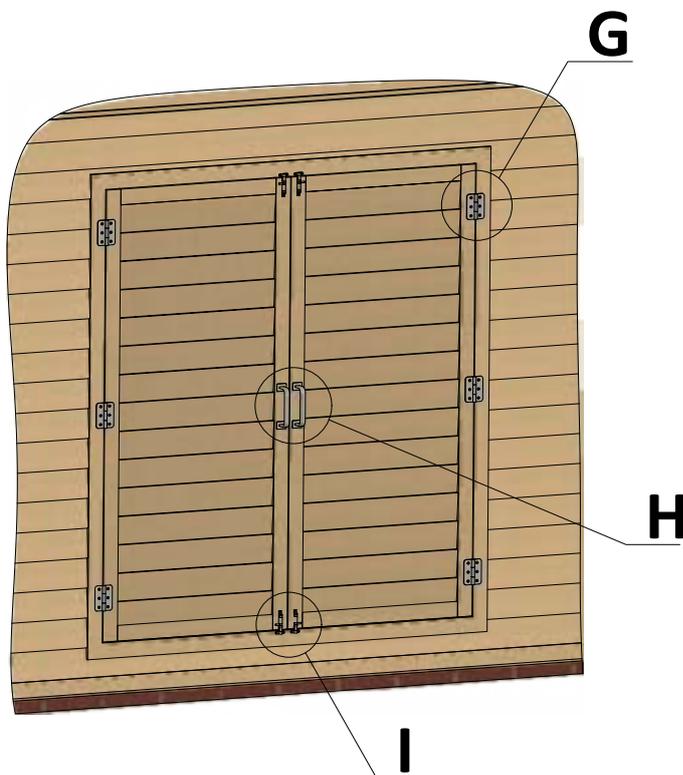
8.2 Prepare the 5/8" plywood sheet with dimensions 5'-11 3/4" x 2'-7 3/4" for the doors according to the drawing.

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

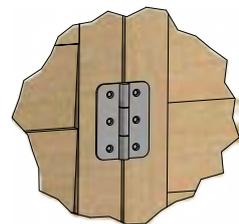
8.4 Using 1/4" x 3/4" pressure-treated lumber, cut and install a starter course 2'-2 3/4" long using (node D on page 30) as a reference.

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

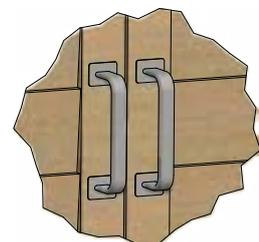
8.6 Install three 4" door hinges using 6x1" wood screws. Finish the doors installation by attaching 4" surface bolts and 6" door pulls (see nodes E, F, G).



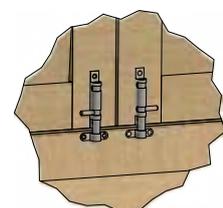
G (1 : 10)



H (1 : 10)



I (1 : 10)



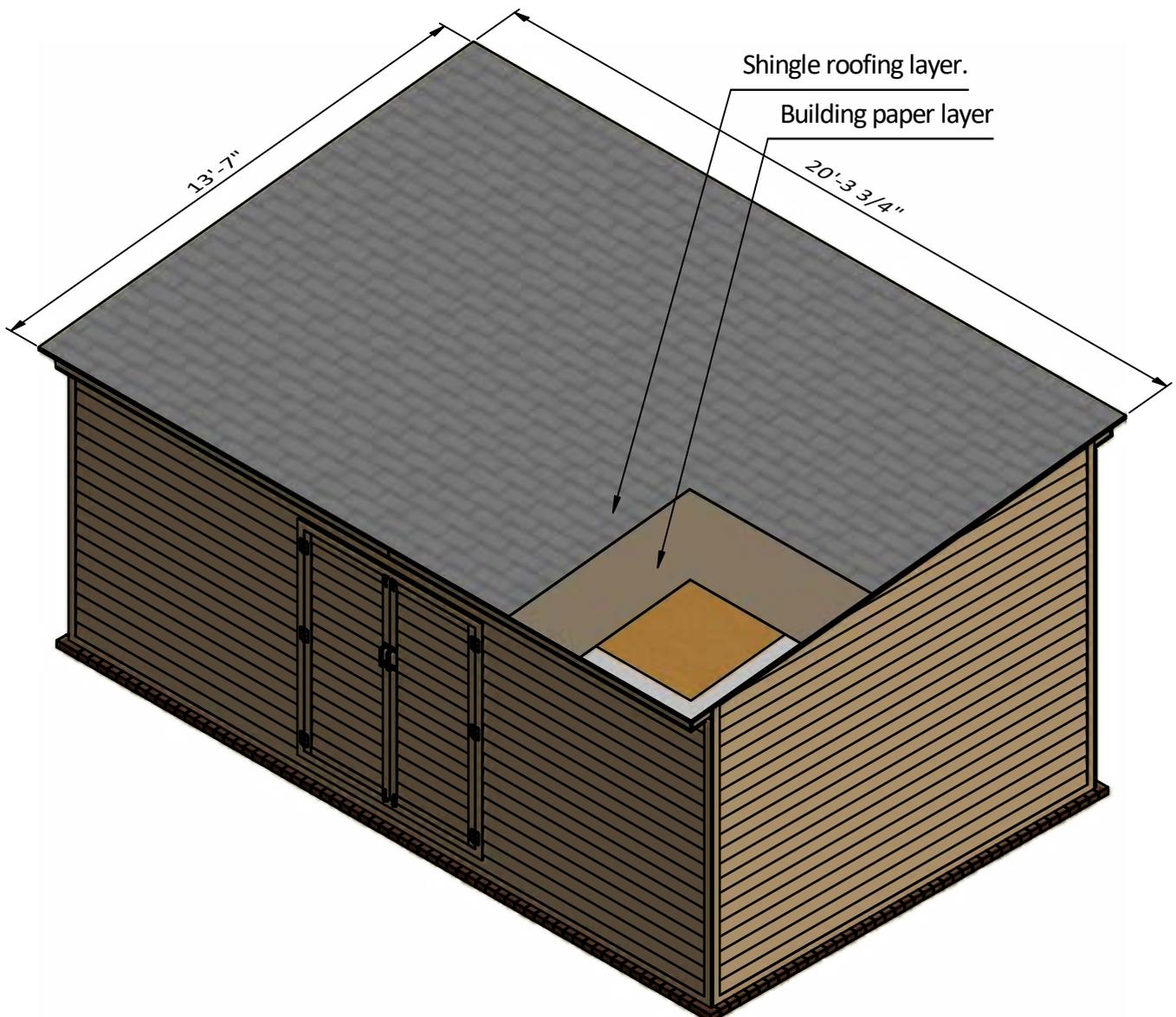
STEP 9

Roof Sheathing Installation

9.1 You will need 277 Sq Ft of building paper and asphalt shingle roofing.

9.2 Cover the plywood and drip edge with building paper. Try to install sheets with 1" overlapping. Use 2" nails to secure the sheets.

9.3 Install asphalt shingle roofing using an industrial stapler.

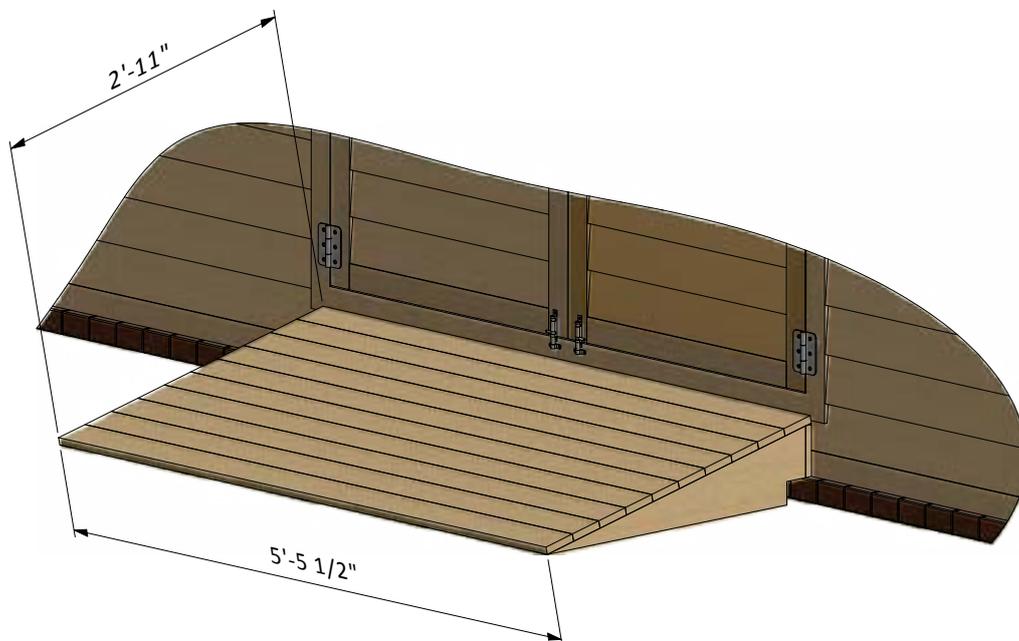


STEP 10

Assemble and Install Door Ramp

10.1 Using $3/4" \times 3\ 1/2"$, $3/4" \times 5"$, $1\ 1/2" \times 3\ 1/2"$ and $1\ 1/2" \times 7\ 1/4"$ pressure-treated lumber, construct door ramp using the drawing below as a reference. You will need five boards cut to $2'-9\ 1/2"$ that will be support girts, four boards cut to $1'-2\ 1/2"$ that will be joists (cut the top edge to fit the angle of support girts), one board cut to $5'-5\ 1/2"$ that will be rim joist and ten boards cut to $5'-5\ 1/2"$ that will be top sheathing.

10.4 Assemble siding shields with 2" and 3" galvanized nails.



STEP 11

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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Fastening Elements List	X	✓
Technical Support	X	✓

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