



## **10'x20' Storage Shed Plan**

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# 10'x20' Storage Shed Plan 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 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
- Galvanized nails
- Wood screws

## STEP 1

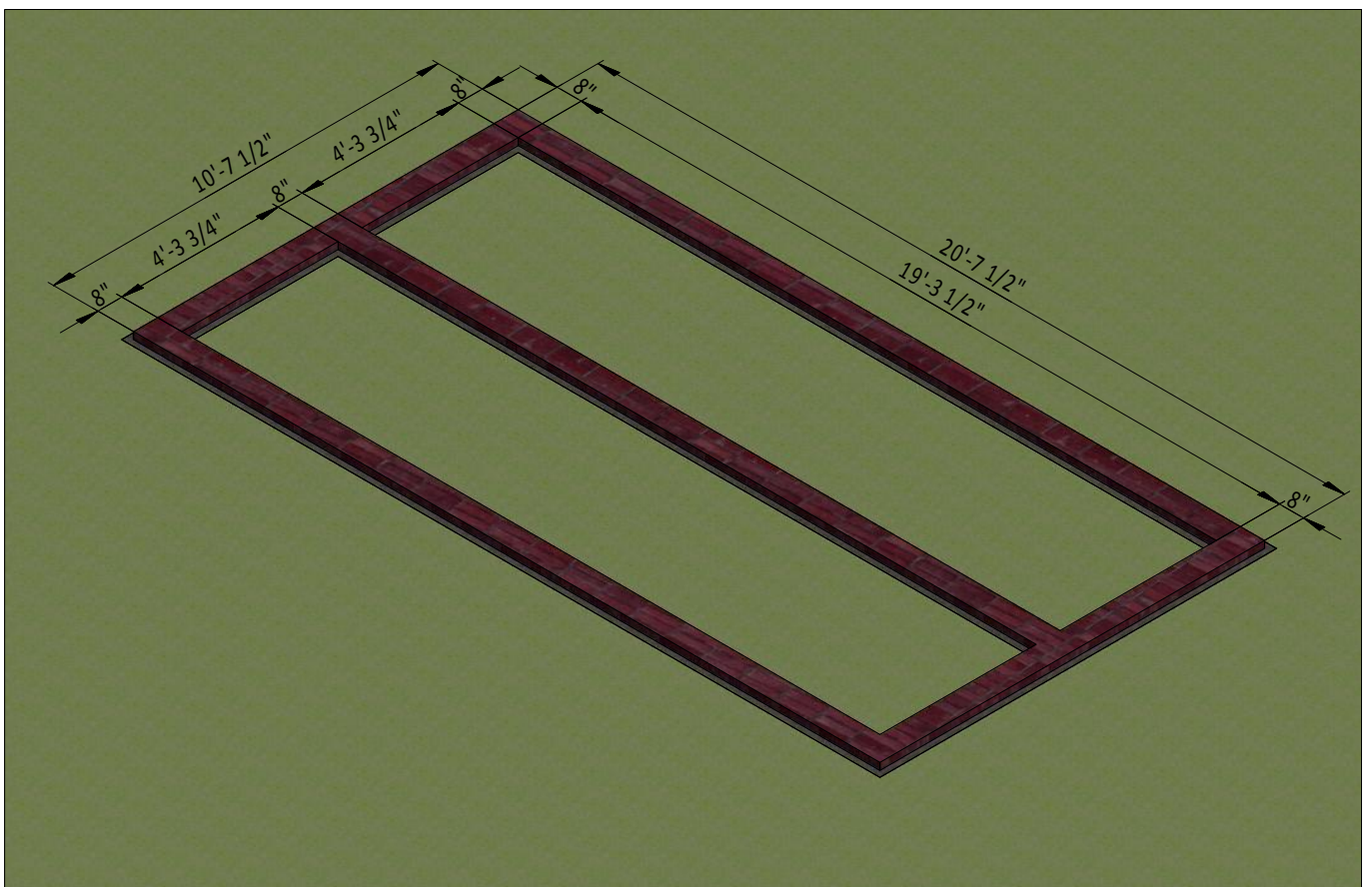
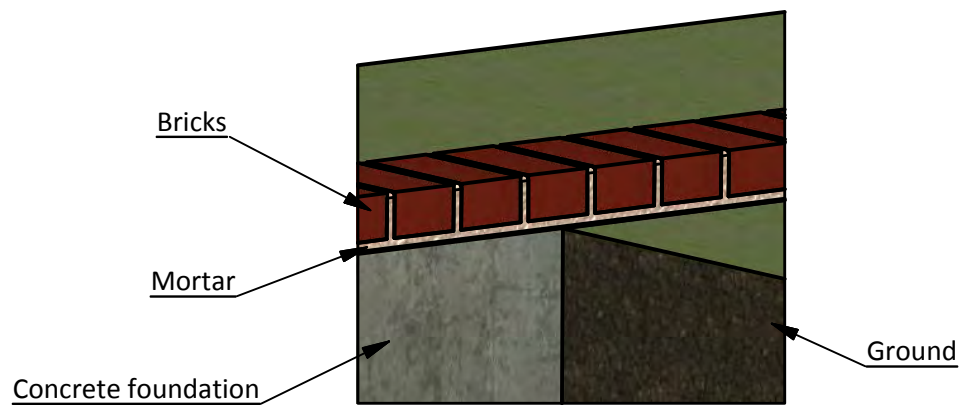
# Foundation Preparation

**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 250 bricks for this step.



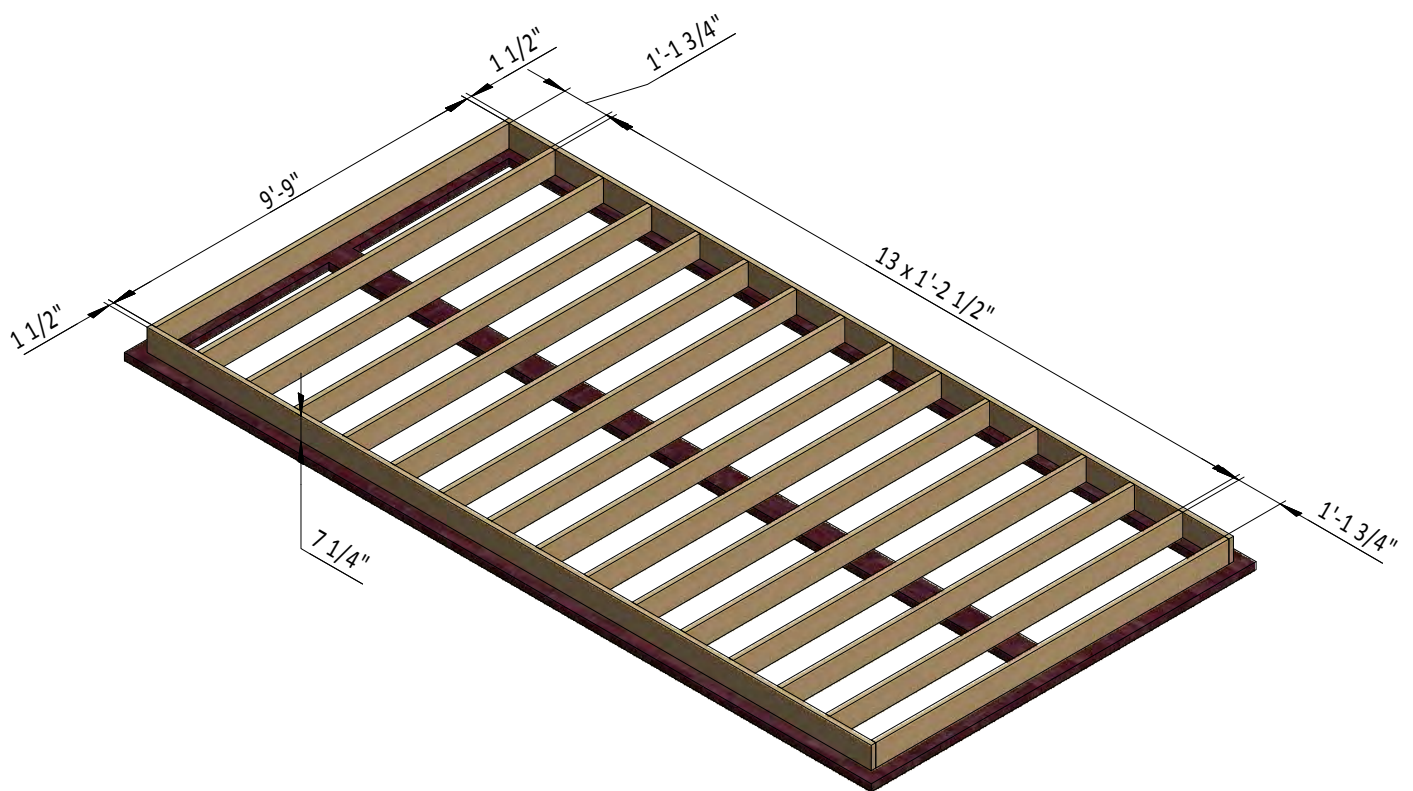
## STEP 2

### Framing the Floor

**2.1** Assemble the frame using 1 1/2" x 7 1/4" treated lumber. You will need 14 boards cut to 9'-9" to use as floor joist.

**2.2** Secure the beams together with 8x5" wood screws.

**2.3** Take a few minutes to check the corners to make sure they are 90°.



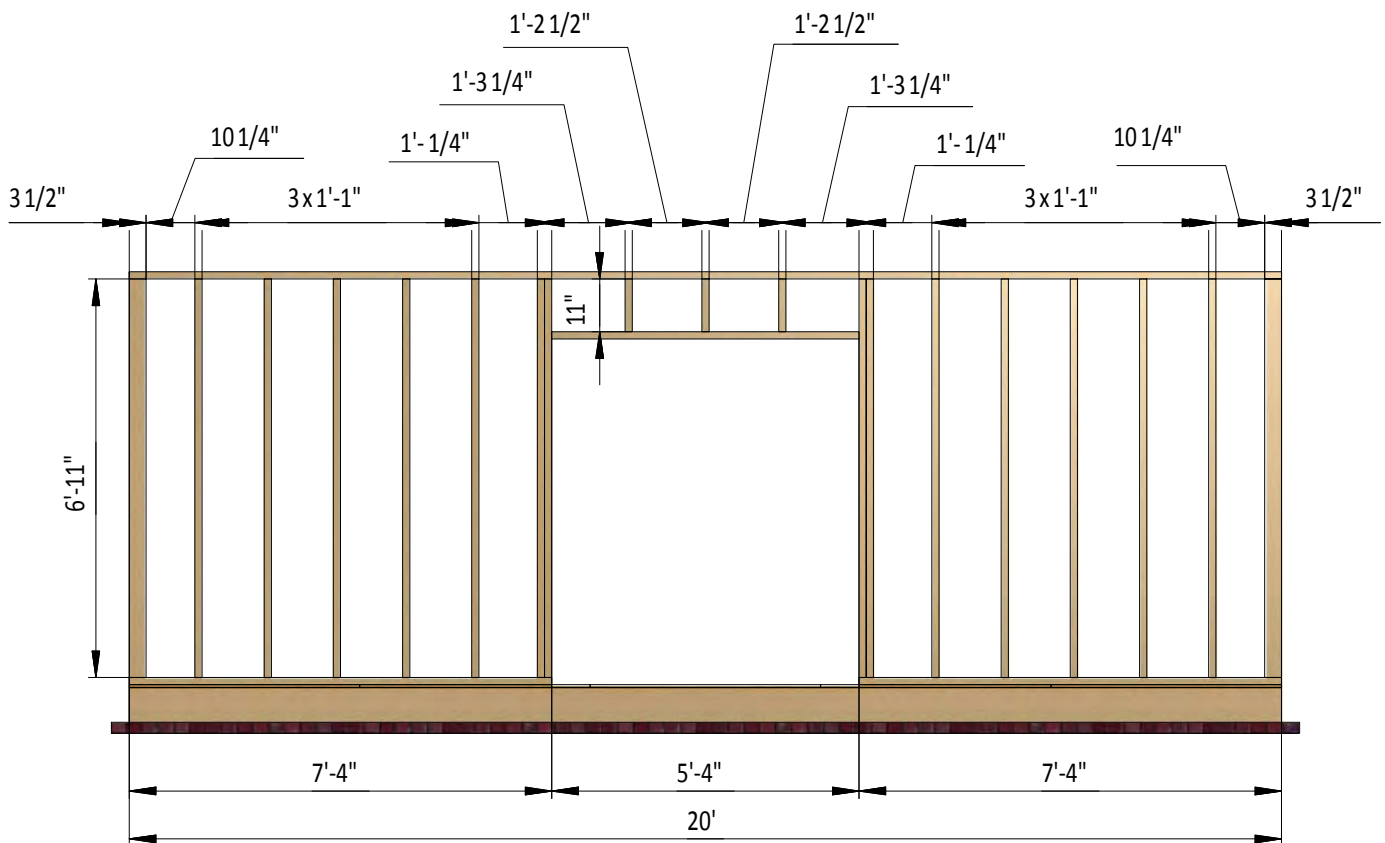
## STEP 3

### Assemble Front Wall Frame

**3.1** Using 1 1/2" x 3 1/2" and 3 1/2" x 3 1/2" treated lumber, put the front wall frame together using the drawing below for guidance. You will need three boards cut to 11" that will be the cripple studs, one board cut to 5'-4" that for the door header, sixteen boards cut to 6'-11" that for the wall studs, two boards cut to 7'-4" for the bottom plates and one board cut to 20' for the top plate.

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

**3.3** Use the square to check the corners to verify that each is 90°.



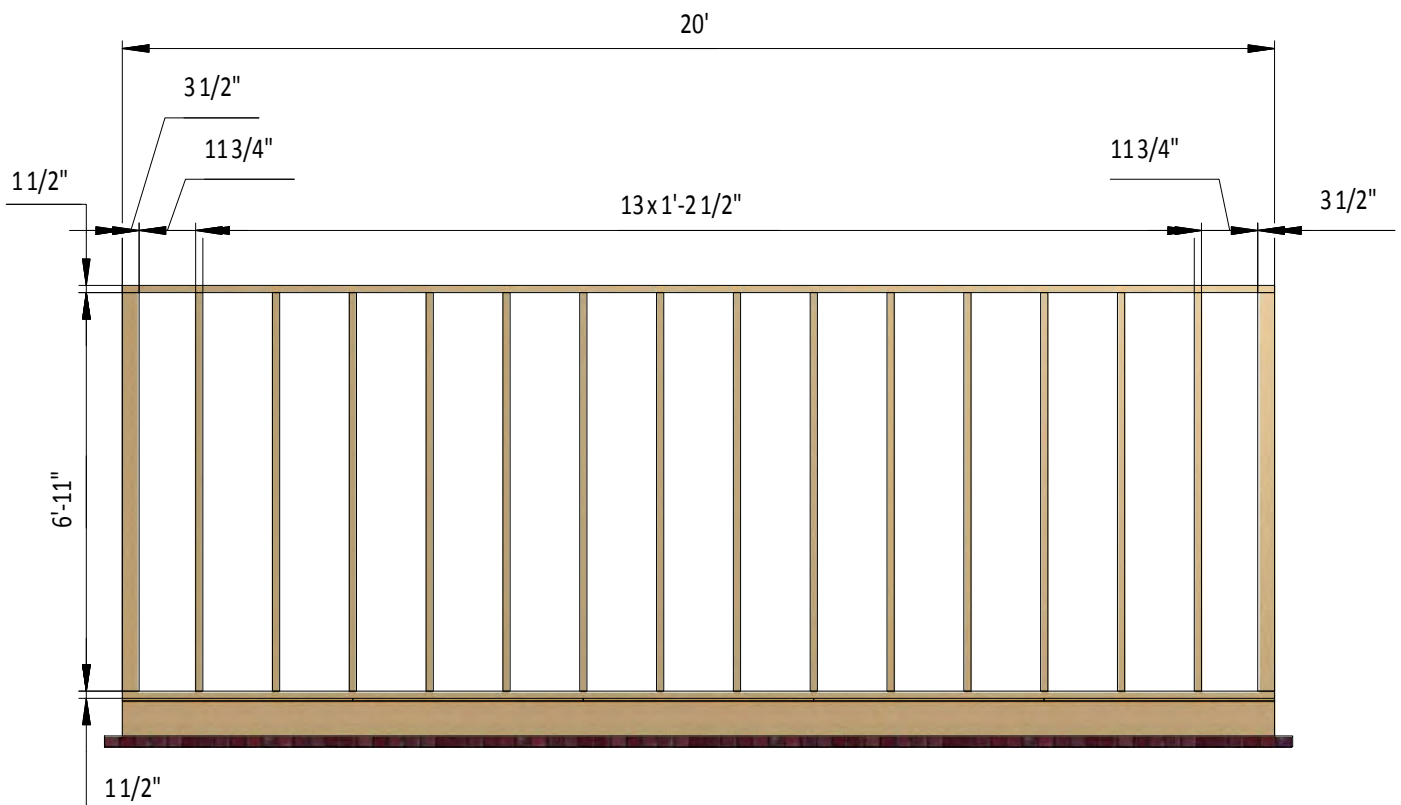
## STEP 4

### 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, construct the back wall frame. The drawing below provides the construction detail. You will need 16 boards cut to 6'-11" for the studs and two boards cut to 20' for the top and bottom plates.

**4.2** Connect the beams with 2x4" wood screws.

**4.3** Be sure to check the corners using a square to make sure they are 90°.



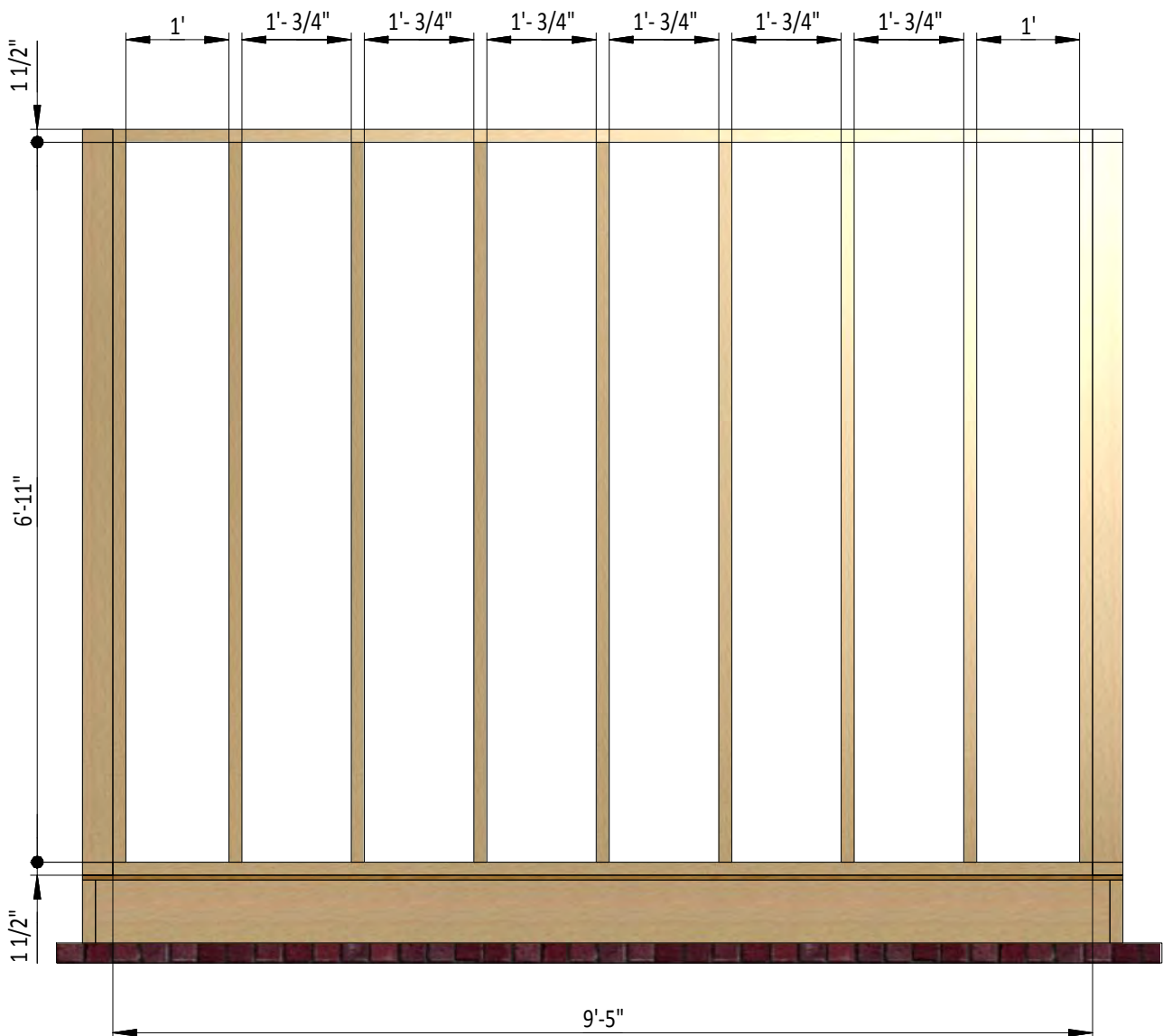
## STEP 5

### Assemble Left and Right Wall Frames

**5.1** Using 1 1/2" x 3 1/2" treated lumber, construct the side wall frames using the drawing below as a guide. You will need nine boards cut to 6'-11" for the wall studs and two boards cut to 9'-5" for the top and bottom plates for the garden shed.

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

**5.3** Check the corners as you go and when you complete the walls to make sure they are 90°.





## STEP 6

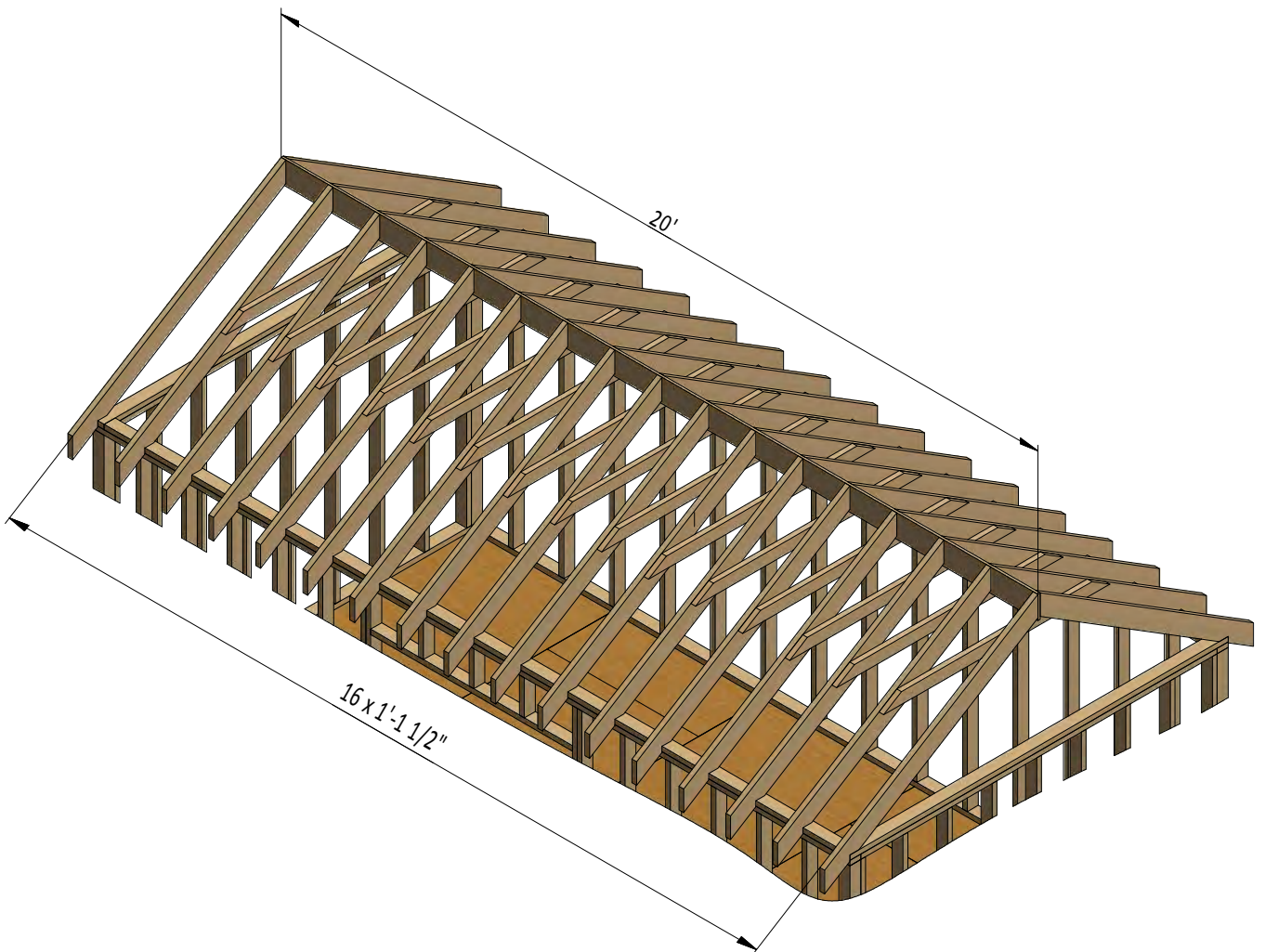
### Assemble the Roof Frame

**6.1** Using 1 1/2 " x 5 1/2 " pressure-treated lumber, cut 34 rafters 6'-11" long according to the angle dimensions.

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

**6.3** Using 3/4 " x 7 1/4 " pressure-treated board, cut the ridge board 20' long according the illustration below.

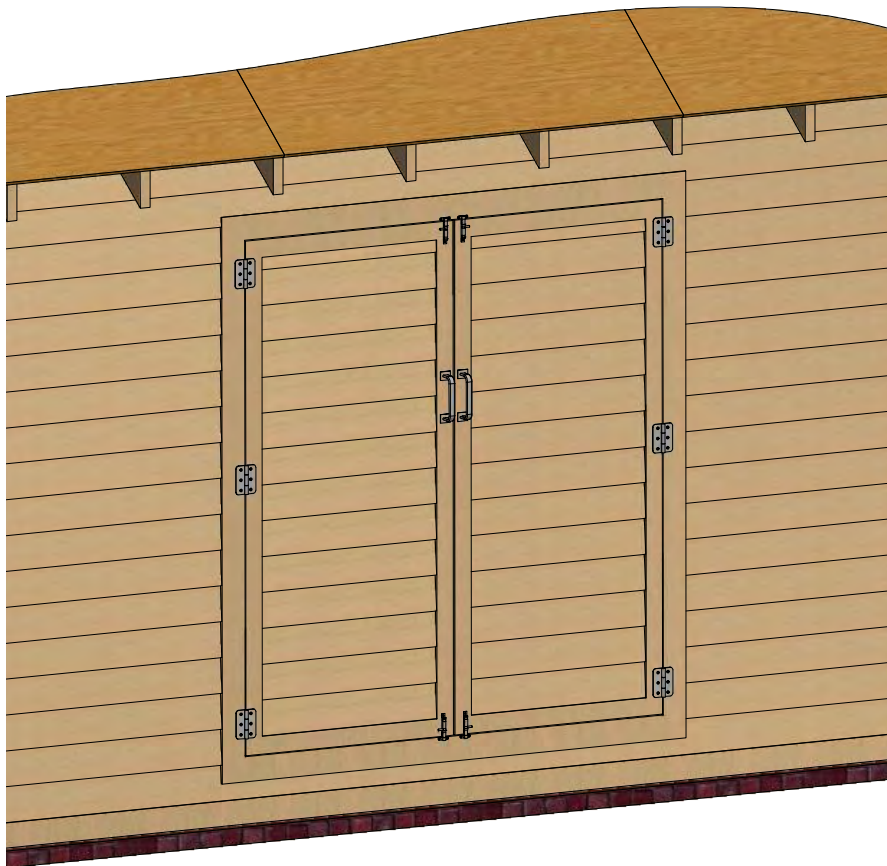
**6.4** Use 2x3" flat head Phillips wood screws to connect the beams.



## 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 9/16" plywood sheet with dimensions into two pieces 2'-7 3/4" x 5'-11 3/4" for the doors.
- 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" to make the trim.
- 7.4** Use 1/4 " x 3/4 " pressure-treated lumber to cut and install a starter course 2'-2 3/4" long.
- 7.5** For the exterior siding on the door, use 1/2 " x 6" wood siding board as show in the image below.
- 7.6** Assemble siding shields with 2" galvanized nails.
- 7.7** Install three 3" door hinges using 6x1" Phillips flat head wood screws. Finish the door installation by attaching 4" surface bolts and 6" door pulls.

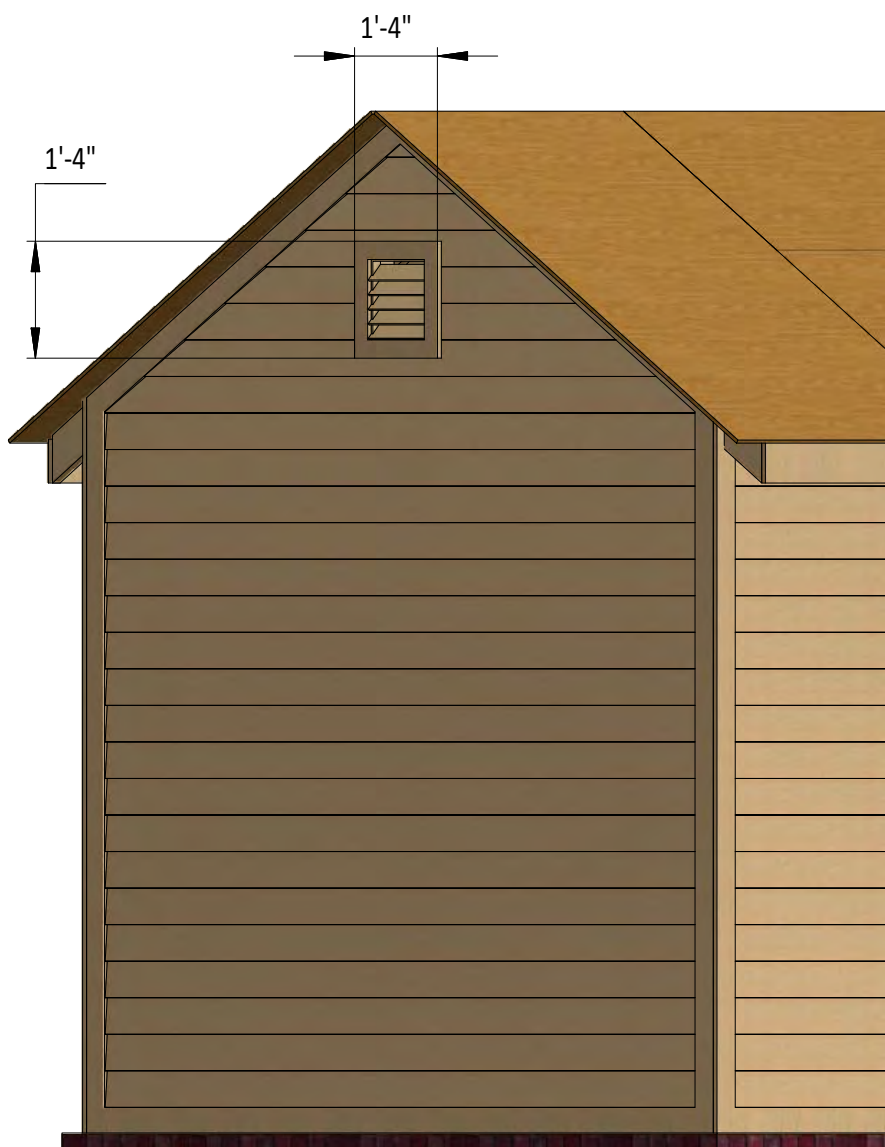


## STEP 8

### Shed's Back Wall Ventilation

**8.1** Install the 12" x 12" wood louver gable vent in the opening of the back wall.

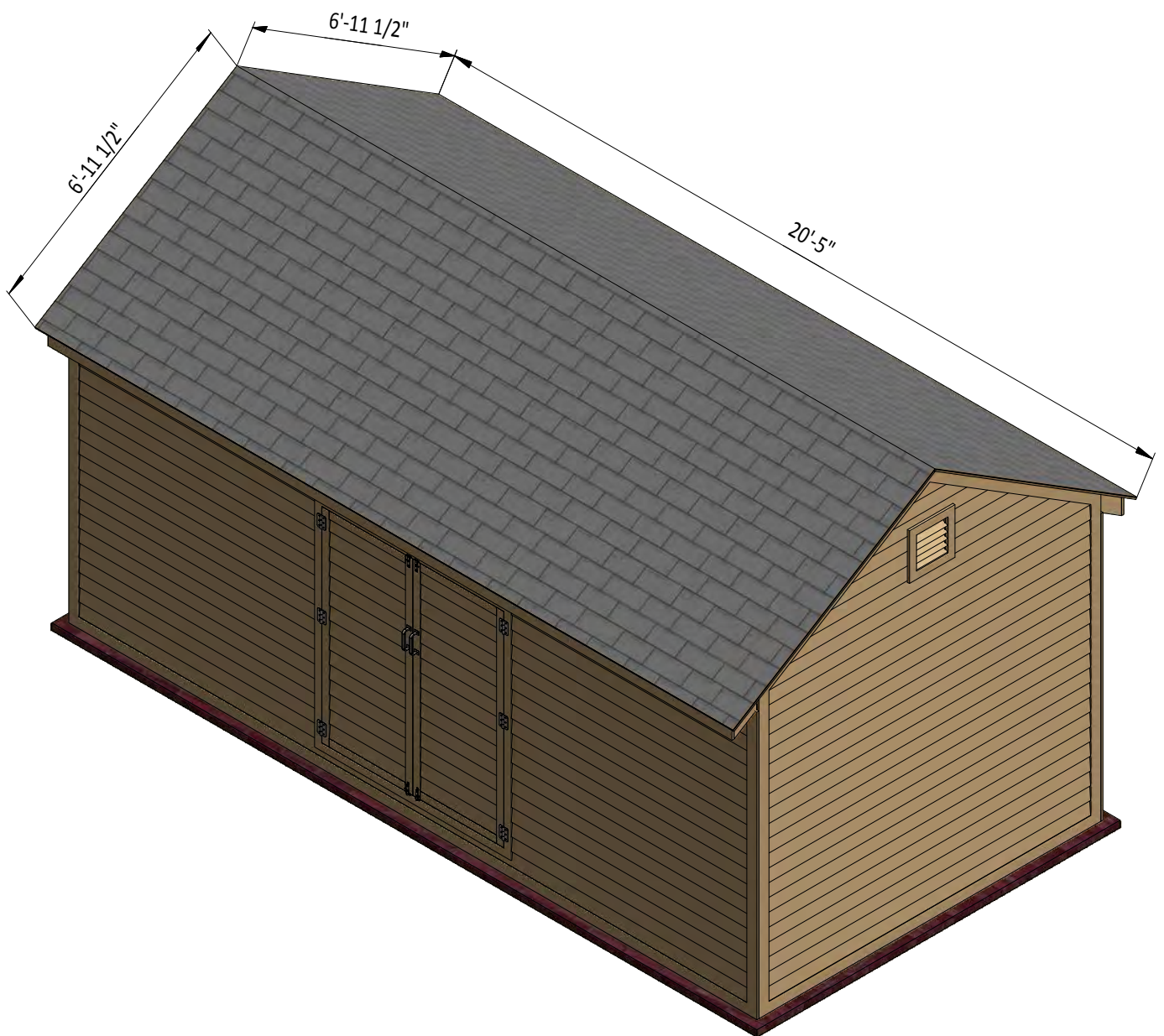
**8.2** Secure it with 4x3" Phillips flat head wood screws.



## STEP 9

### Roof Sheathing Installation

- 9.1 You will need 300 square feet of the asphalt shingle roofing of your choice.
- 9.2 Add the metal drip edge to the fascias.
- 9.3 Cover the plywood with building paper (roofing felt).
- 9.4 Install asphalt shingle roofing using an industrial stapler or roofing nails.



## STEP 10

### 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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