



## **8' x 10' Chicken Coop Plan**

Up to 30 chickens



## Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	20	41
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'x8' chicken coop material list

## Site Preparation

- Concrete
- Bricks

## Bottom Frame

- Pressure-Treated Lumber
- Plywood

## Walls Frames

- Pressure-Treated Lumber

## Shed's Roof

- Pressure-Treated Lumber
- Pressure-Treated Board
- Plywood
- Building paper
- Asphalt shingles
- Metal drip edge

## Front/Side Shed's Window

- Pressure-Treated Lumber
- Window beading
- Glass

## Walls Exterior Siding

- Pressure-Treated Lumber
- Wood siding boards

## Top Frame

- Pressure-Treated Lumber

## Fasteners & Hardware

- Corner braces
- Galvanized nails
- Wood screws

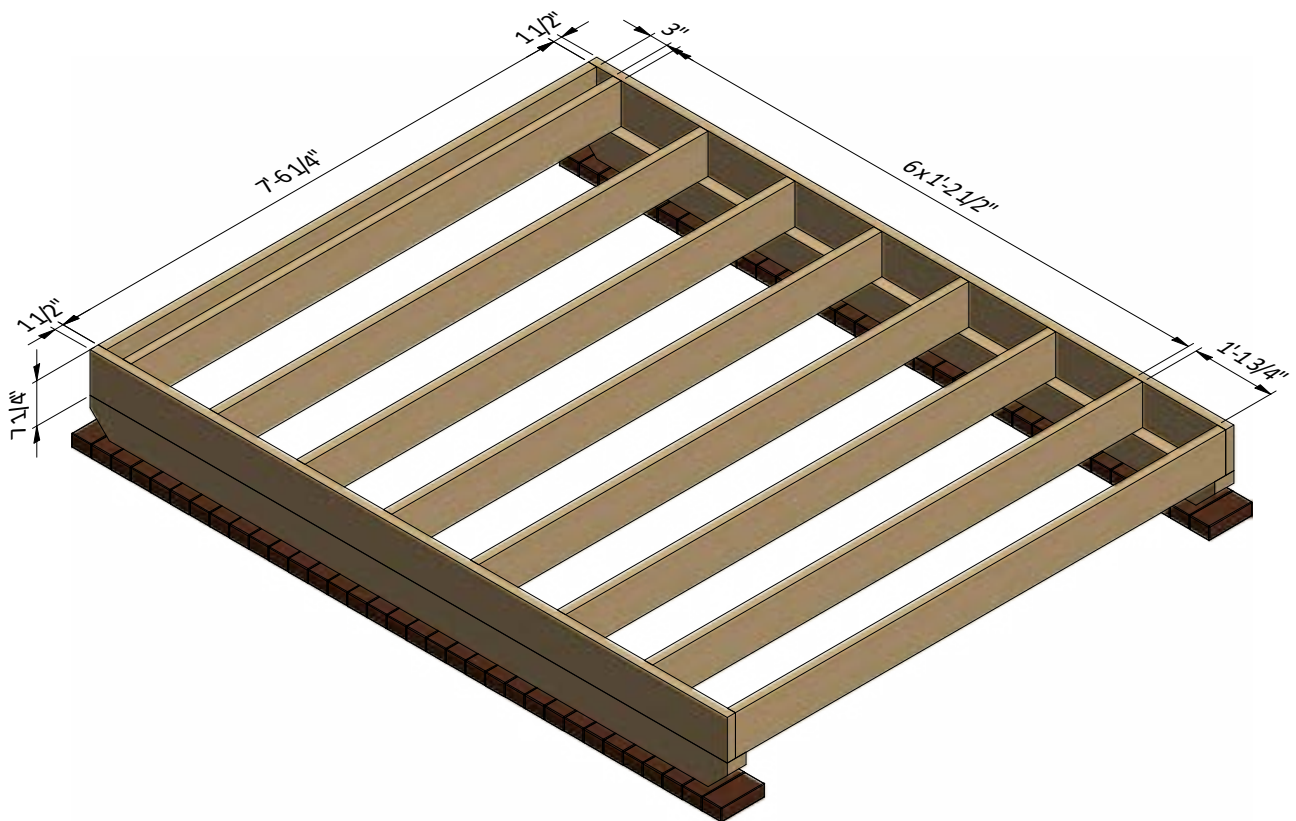
## STEP 1

### Framing the Coop's Floor

**1.1** Assemble the frame using 1 1/2" x 7 1/4" pressure-treated lumber. You will need seven boards cut to 7'-6 1/4" that will be the joist.

**1.2** Secure the beams with 8x3" wood screws.

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



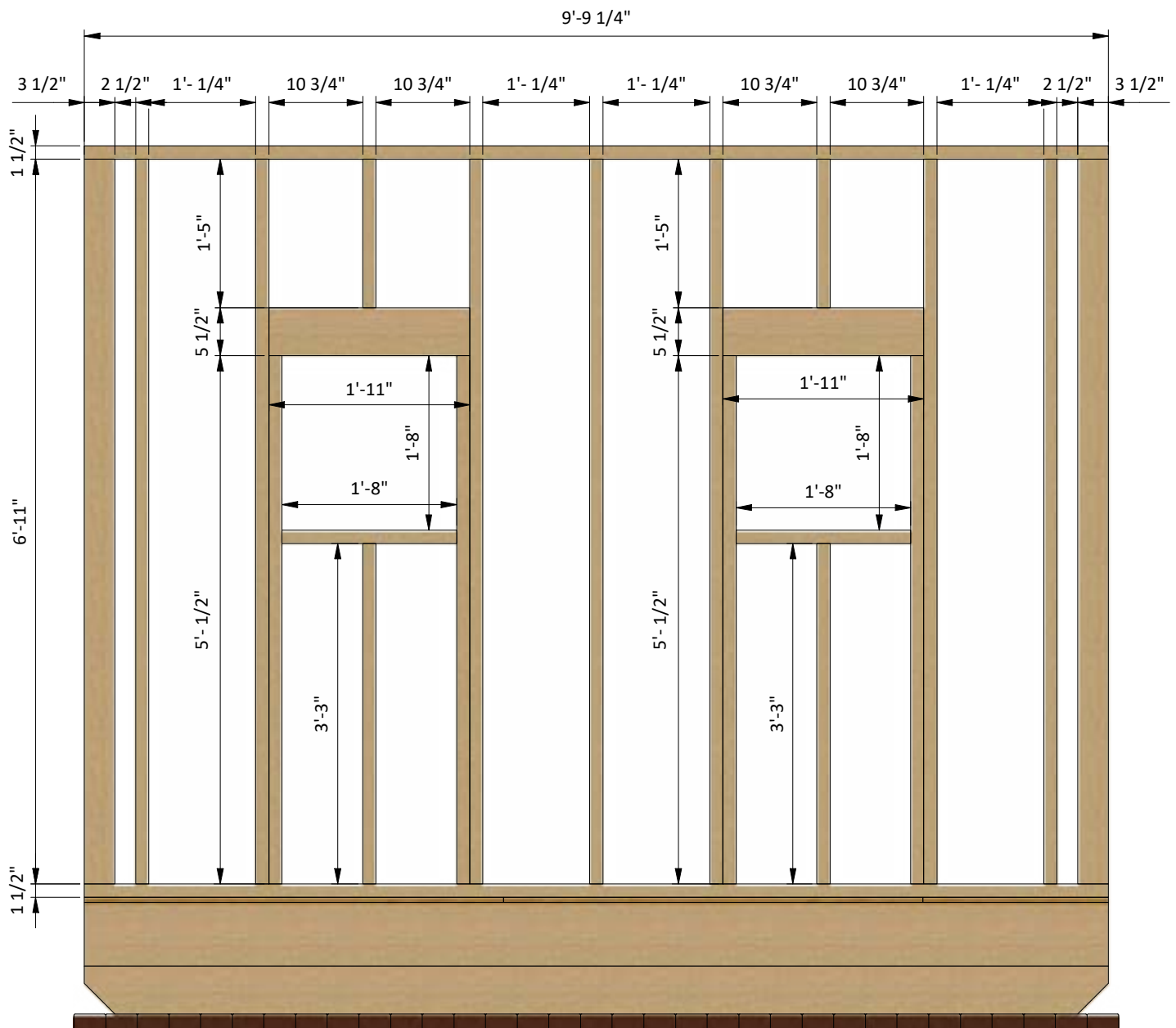
## STEP 2

## Assemble Right Side Wall Frame

**2.1** Using 1 1/2" x 3 1/2", 1 1/2" x 5 1/2" and 3 1/2" x 3 1/2" pressure-treated lumber, construct right side wall frame using the drawing below as a reference. You will need nine boards cut to 6'-11", four boards cut to 5'-1/2" and two boards cut to 3'-3" that will be studs, two boards cut to 9'-9 1/4" that will be top and bottom beams, four boards cut to 1'-11" that will be the window headers, two boards cut to 1'-8" that will be rough sills and two boards cut to 1'-5" that will be cripple studs.

## 2.2 Connect the beams with 3" wood screws.

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



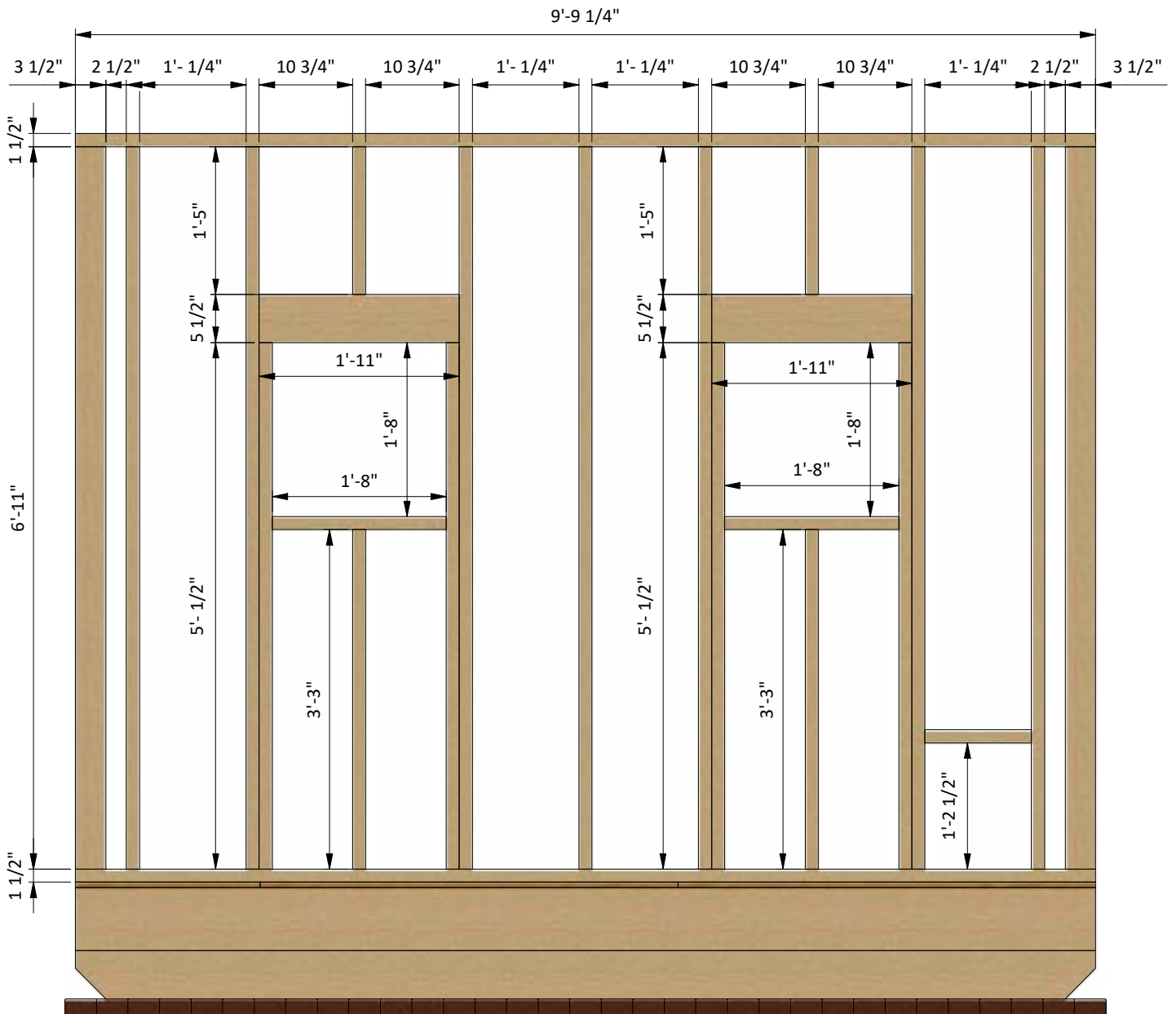
### STEP 3

## Assemble Left Side Wall Frame

**3.1** Using 1 1/2" x 3 1/2", 1 1/2" x 5 1/2" and 3 1/2" x 3 1/2" pressure-treated lumber, construct left side wall frame using the drawing below as a reference. You will need nine boards cut to 6'-11", four boards cut to 5'-1/2" and two boards cut to 3'-3" that will be studs, two boards cut to 9'-9 1/4" that will be top and bottom beams, four boards cut to 1'-11" that will be the window headers, two boards cut to 1'-8" that will be rough sills, two boards cut to 1'-5" that will be cripple studs and one board cut to 1'-1/4" that will be chicken door girt.

**3.2** Connect the beams with 3" wood screws.

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



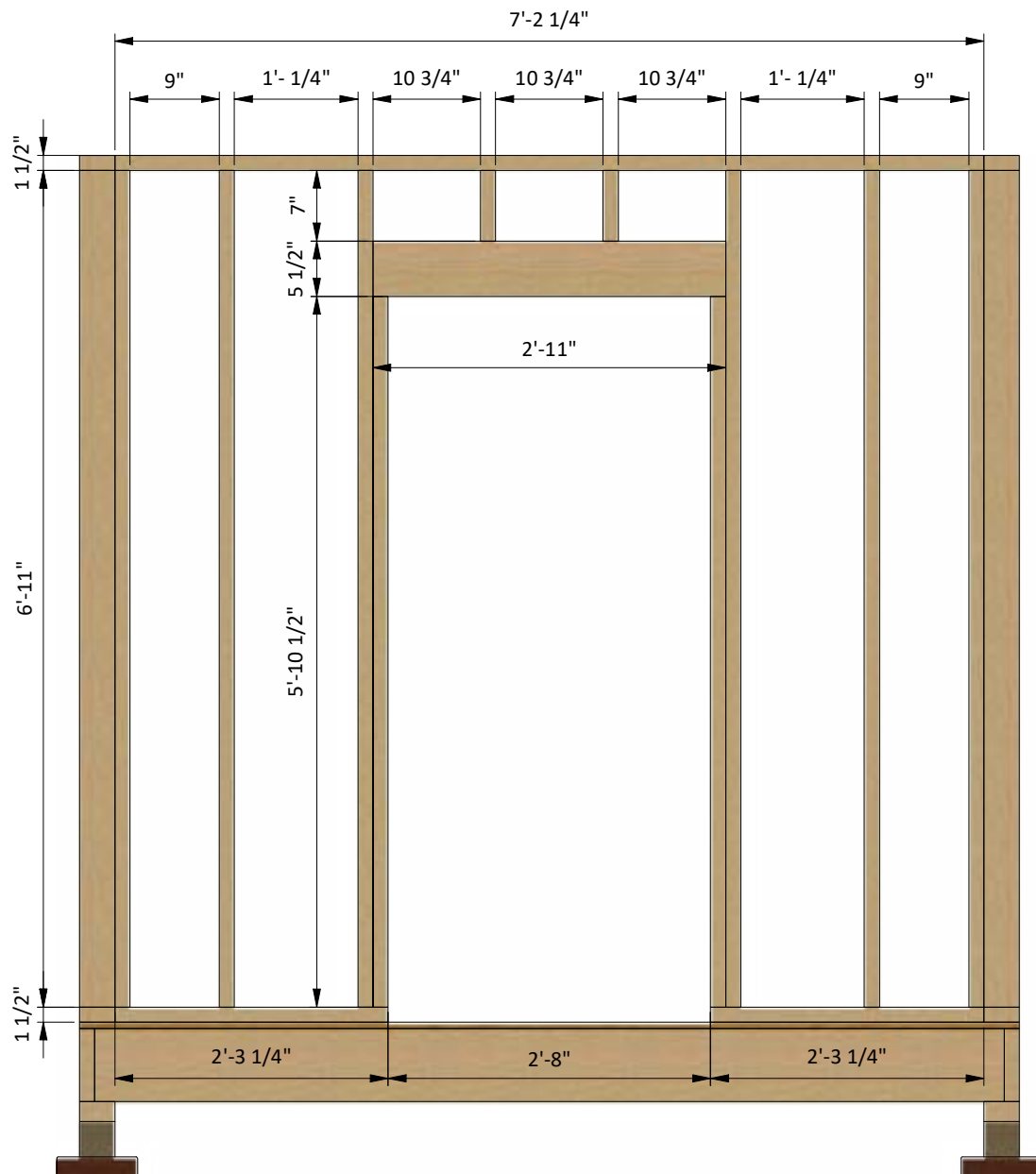
## STEP 4

## Assemble Front Wall Frame

**4.1** Using 1 1/2" x 3 1/2" and 1 1/2" x 5 1/2" pressure-treated lumber, construct front wall frame using the drawing below as a reference. You will need six boards cut to 6'-11" and two boards cut to 5'-10 1/2" that will be studs, two boards cut to 2'-3 1/4" that will be the bottom beams, one board cut to 7'-2 1/4" that will be the top beam, two boards cut to 2'-11" that will be the door header and two boards cut to 7" that will be cripple studs.

#### 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°.



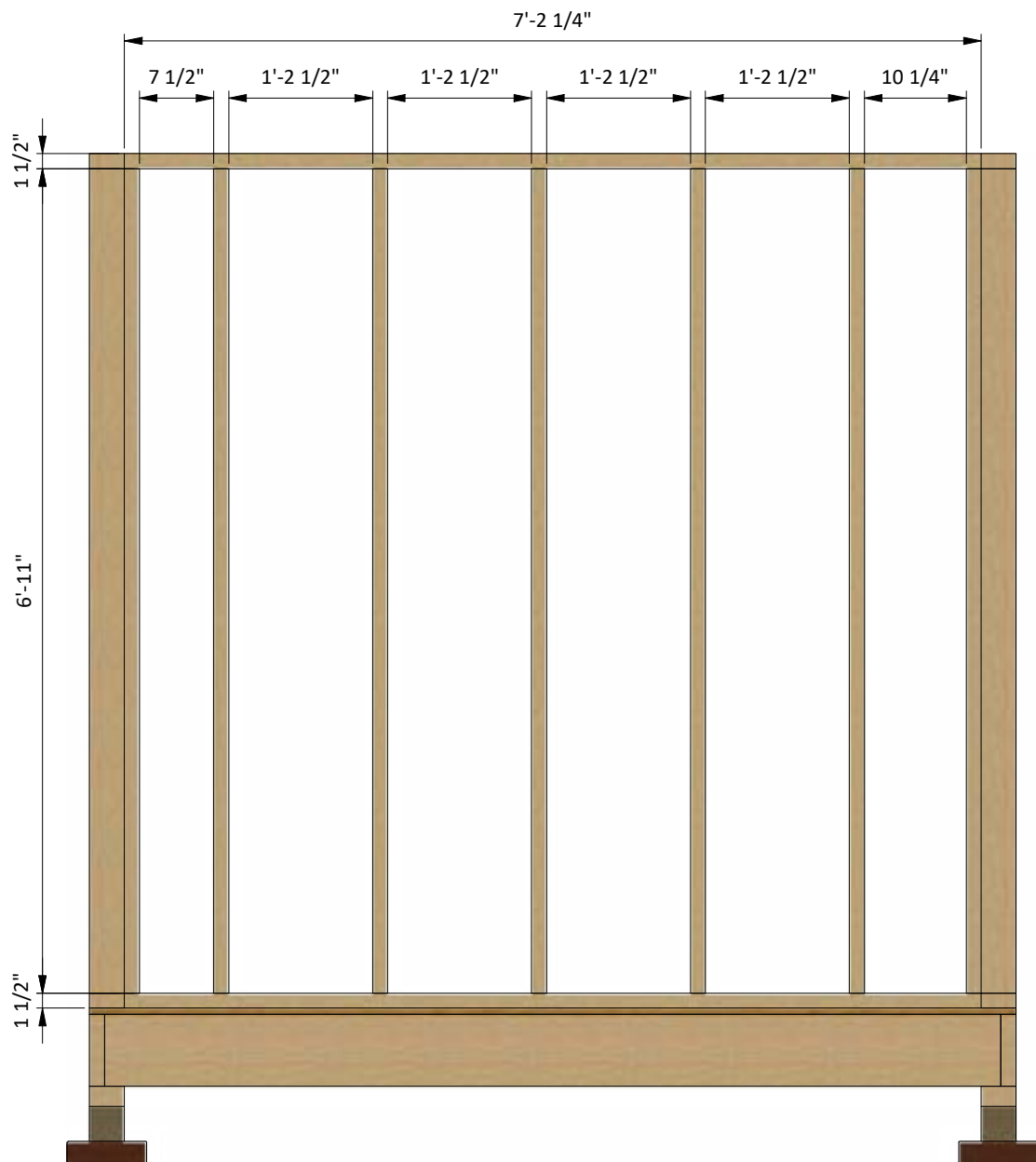
## STEP 5

### Assemble Back Wall Frame

**5.1** Using 1 1/2" x 3 1/2" pressure-treated lumber, construct back wall frame using the drawing below as a reference. You will need seven boards cut to 6'-11" that will be the studs and two boards cut to 7'-2 1/4" that will be the top and bottom beams.

**5.2** Connect the beams with 2x3" wood screws.

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





## STEP 6

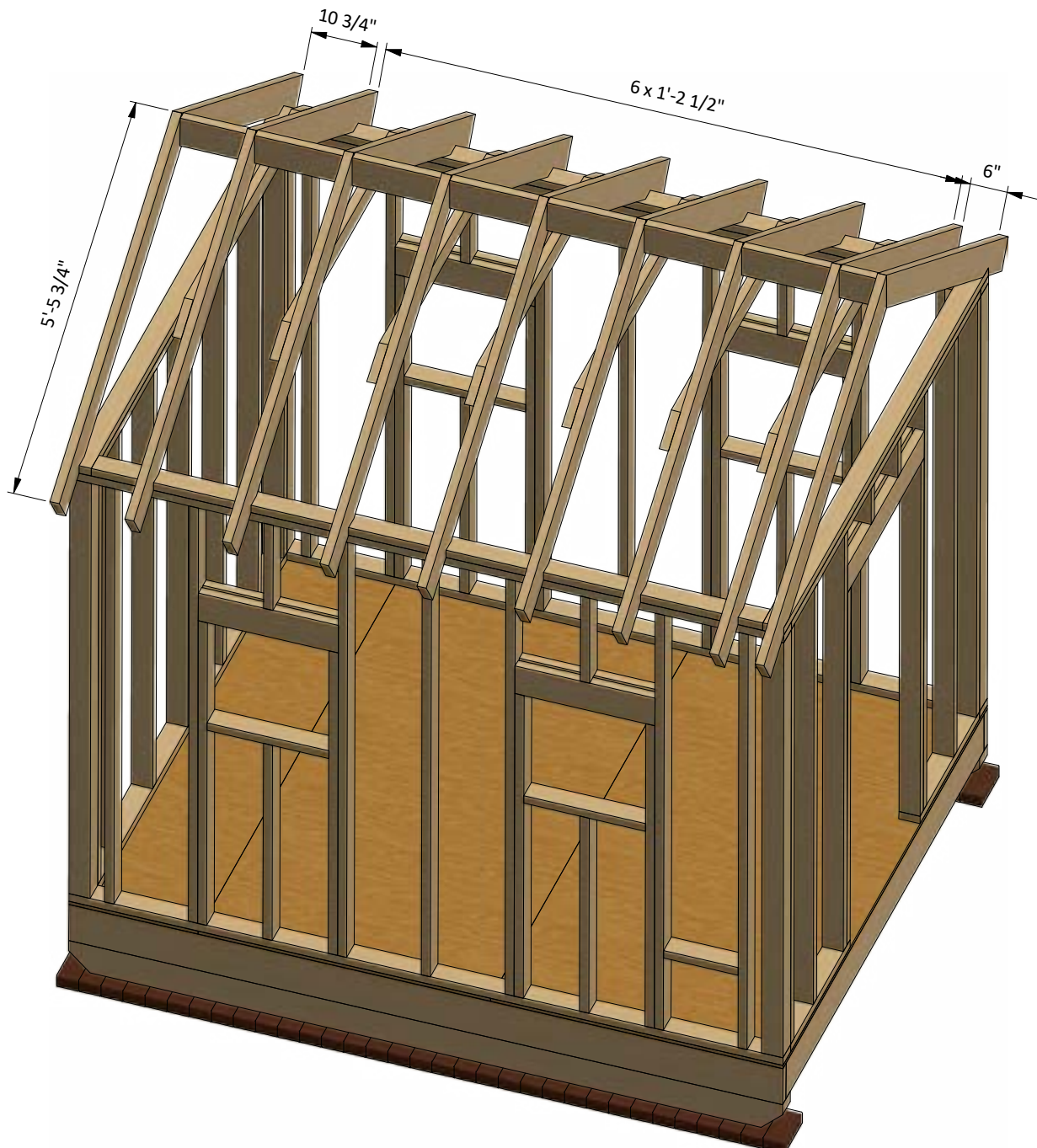
### Assemble the Roof Frame

**6.1** Using 1 1/2" x 5 1/2" pressure-treated lumber, cut eighteen rafters 5'-5 3/4" long according to the dimensions in drawings below.

**6.2** Using 1 1/2" x 3 1/2" pressure-treated lumber, cut seven collar ties 5' long according to the dimensions in drawings below.

**6.3** Using 1 1/2" x 5 1/2" pressure-treated board, cut one board 10 3/4" long, one board 6" long and six boards cut to 1'-2 1/2" long that will be ridge boards according the illustration below.

**6.4** Connect the beams with 3" and 5" wood screws.



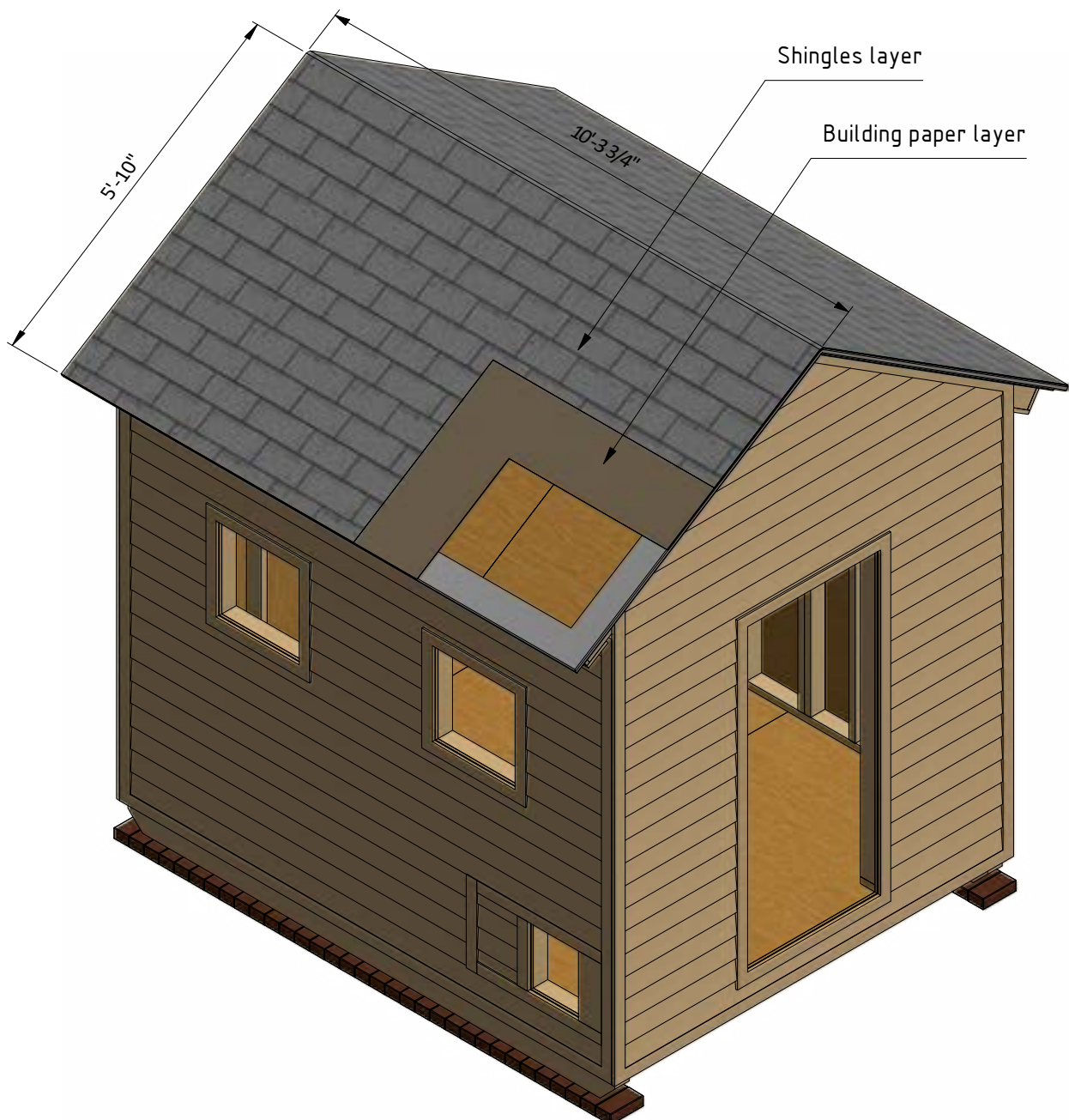
## STEP 7

### Coop's Roof Sheathing Installation

**7.1** You will need 128 Sq Ft of building paper and asphalt shingle roofing.

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

**7.3** Install asphalt shingle roofing using an industrial stapler.



## STEP 8

### Assemble and Install Front Door

**8.1** Build the door frame using  $\frac{3}{4}$ " x  $3\frac{1}{2}$ " pressure-treated lumber.

You will need two boards cut to 5'-11  $\frac{1}{2}$ " that will be the vertical girts, two boards cut to 2'-1  $\frac{1}{2}$ " that will be the horizontal girts and one board cut to 5'-9" that will be cross brace.

**8.2** Prepare the  $\frac{5}{8}$ " plywood sheet with dimensions 2'-7  $\frac{1}{2}$ " x 5'-11  $\frac{1}{2}$ " for the door according to the drawing.

**8.3** Use  $\frac{3}{4}$ " x 2  $\frac{1}{2}$ " pressure-treated lumber for the door trim and fasten with 2" wood screws.

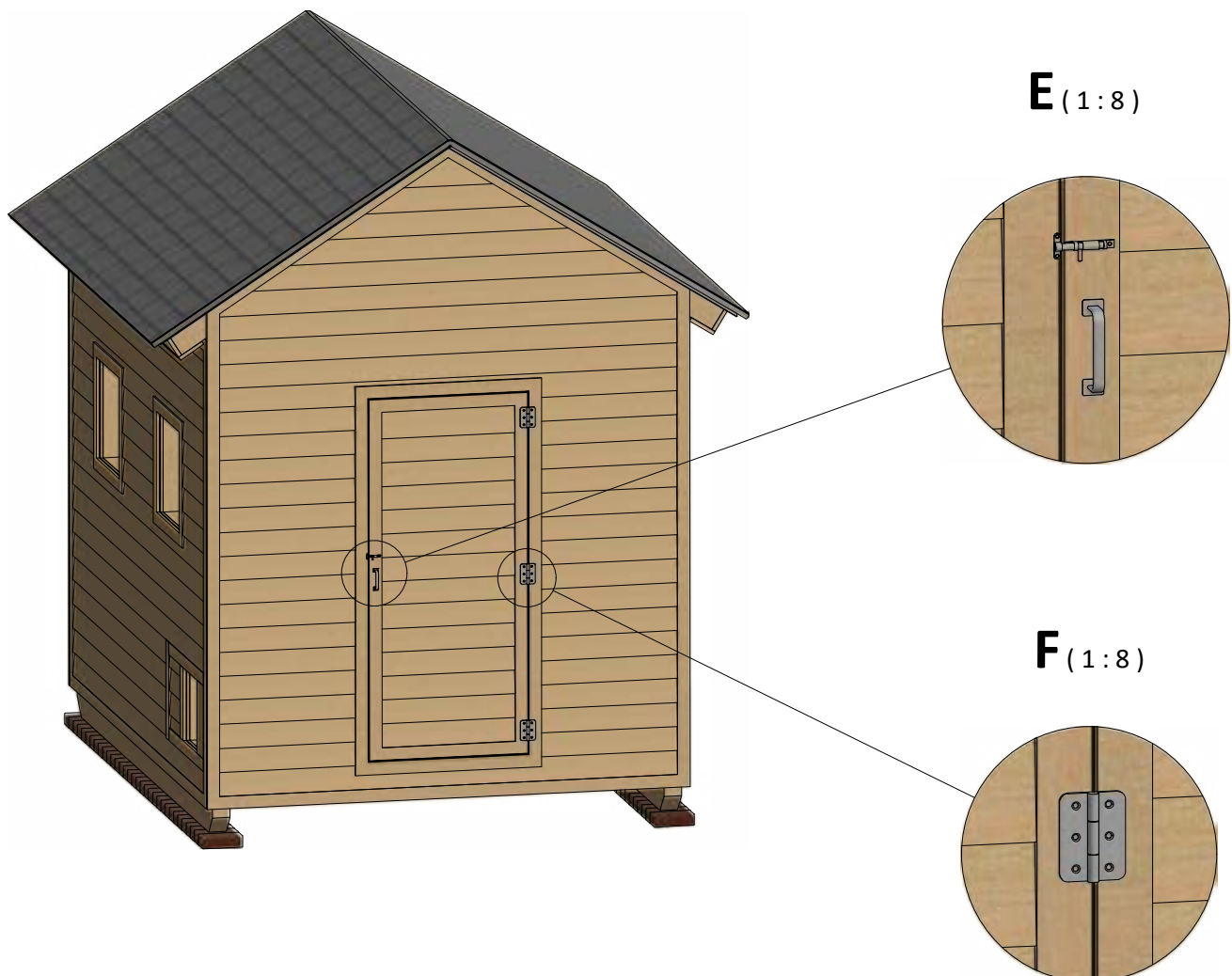
You will need two boards cut to 2'-2  $\frac{1}{2}$ " and two boards cut to 5'-11  $\frac{1}{2}$ ".

**8.4** Using  $\frac{1}{4}$ " x  $\frac{3}{4}$ " pressure-treated lumber, cut and install a starter course 2'-2  $\frac{1}{2}$ " long using node E on page 32 as a reference.

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

**8.6** Install three 3" door hinges using 6x1" wood screws.

Finish the door installation by attaching 6" door pull and 3" surface bolt (see nodes E, F).



## STEP 9

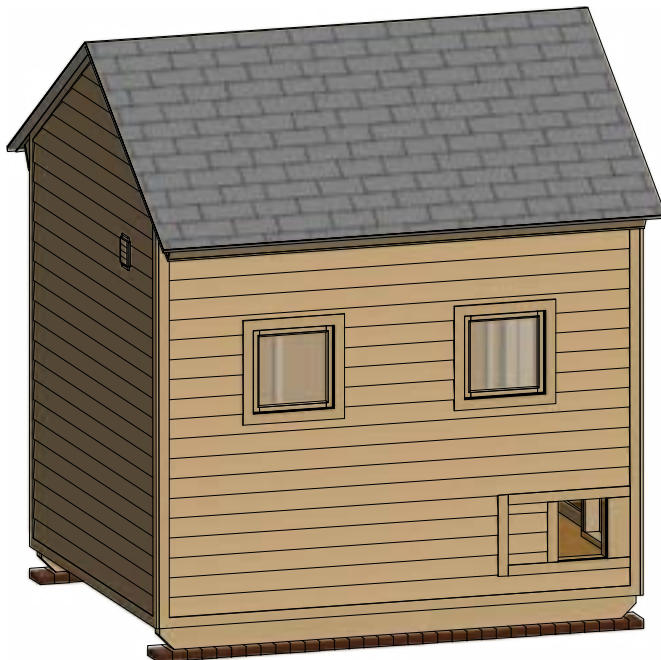
### Assemble and Install Windows

You will need to assemble four windows

**9.1** Using 1 1/2" x 1 1/2" pressure-treated lumber, assemble the outer frame for the window as shown in the drawing below. You will need four boards cut to 1'-7 1/2" that will be the vertical and horizontal girts. Cut the recesses in each beam for splicing connection and mill a recess for the glass.

**9.2** Prepare and install 1'-5 1/4" x 1'-5 1/4" glass into inner frame groove and fasten it by window beading from four sides. Use 1/2" galvanized nails.

**9.3** Insert window into wall openings and connect them with 3" wood screws to the wall beams.





## STEP 10

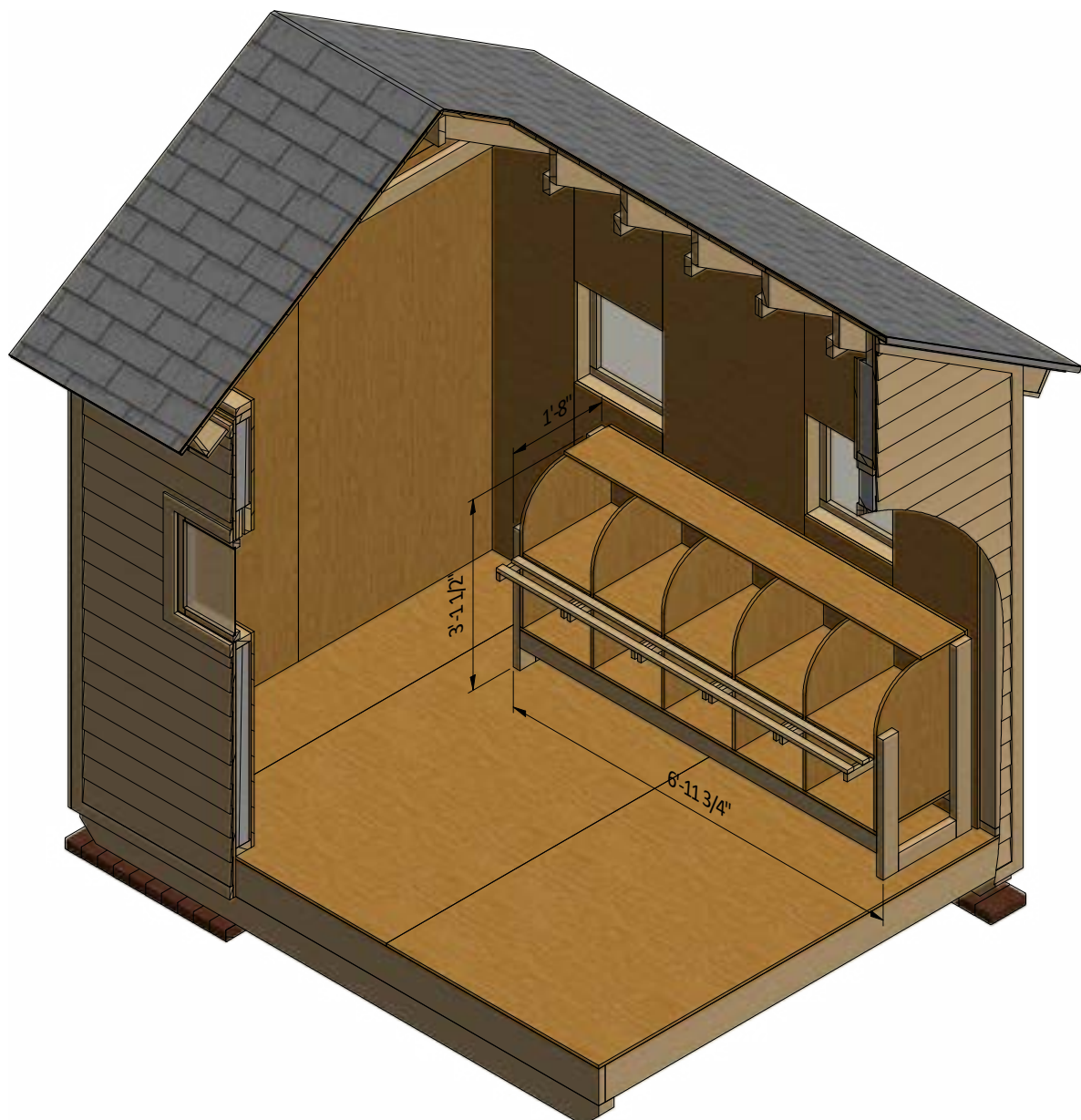
### Assemble The Nesting Box

**10.1** Cut 5/8" plywood for the box according to the drawing.

You will need to cut one 10" x 6'-8 3/4" sheet for the top plane, one 1'-8" x 6'-8 3/4" sheet for the bottom plane, one 2'-6" x 6'-8 3/4" sheet for the back wall and six 1'-8" x 2'-4 3/4" sheets for the side and inner partitions.

**10.2** Use 1 1/2" x 3 1/2" pressure-treated material for building the nesting box frame and secure with 3" and 5" wood screws. You will need two boards cut to 3'-1 1/2", two boards cut to 2'-3 1/2", two boards cut to 1'-1" and two boards cut to 6'-8 3/4".

**10.3** Provide and install nest's roost from the pressure-treated lumber with cross section 3/4" x 1 1/2". You will need ten boards to 2'-2" and two boards cut to 6'-7 1/2".



## STEP 11

### Assemble The Roost

**11.1** Assemble the roost using 1 1/2" x 2 1/2" pressure-treated material. You will need four boards cut to 7'-1" and two boards cut to 5'-3".

**11.2** Connect the beams with 2" wood screws.

**11.3** Install the roost at the studs with the help of 3" screws.

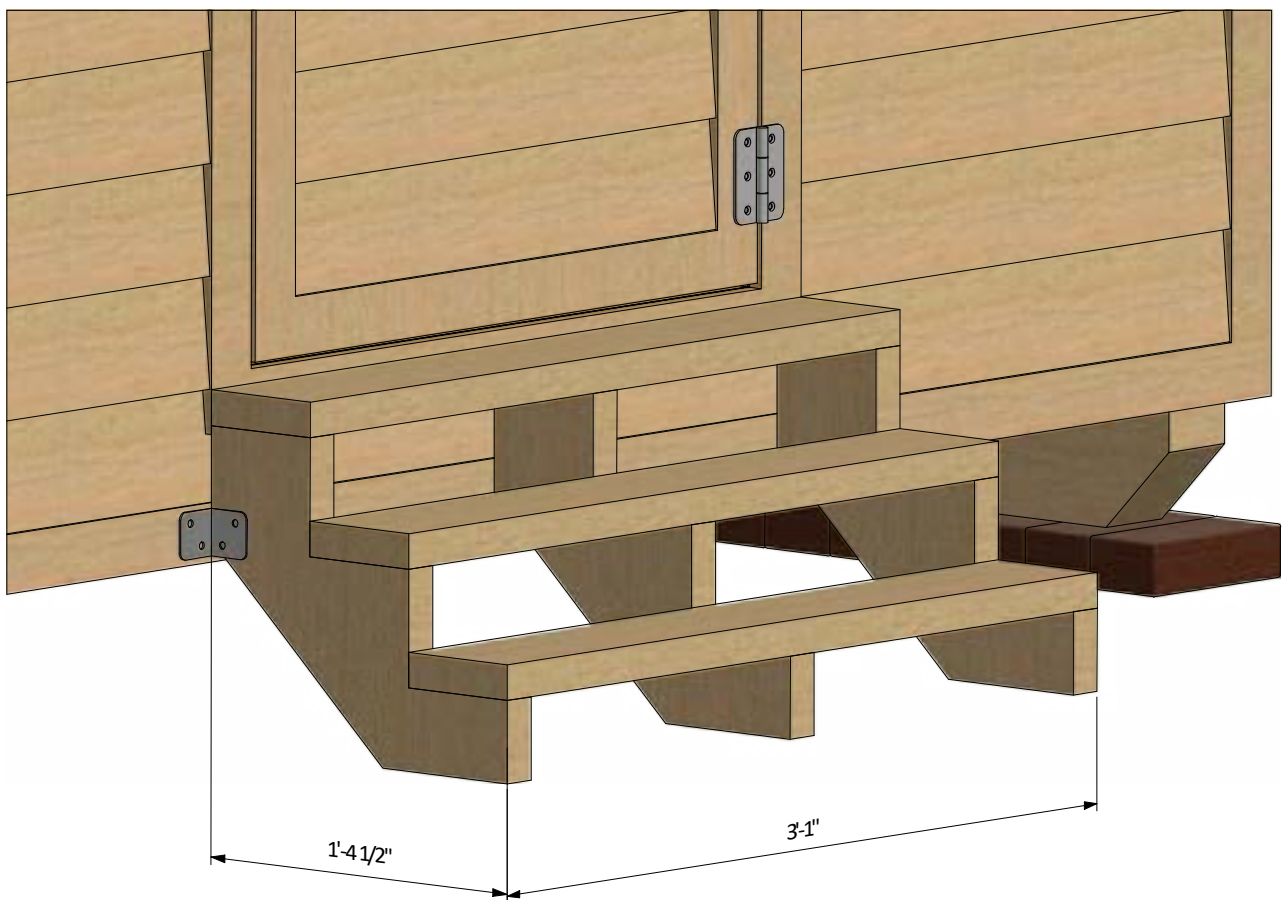


## STEP 12

### Assemble and Install Notched-Stringer Stairs

**12.1** Using 1 1/2" x 5 1/2" and 1 1/2" x 7 1/4" pressure-treated lumber, construct stairs elements, using the drawing below as a reference. You will need three boards cut to 1'-9 1/4" that will be the stringers and three boards cut to 3'-1" that will be treads.

**12.2** Connect the beams with 3" wood screws. Finish the installation of the stair by attaching it to the front wall with the help of 2" x 2" corner brackets.



## STEP 13

### Final Touches

Now that your chicken 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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