



## **4'x8' Chicken Coop Plan**

Up to 8 chickens



## Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	18	58
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	✗	✓

TRY PREMIUM

# 4'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

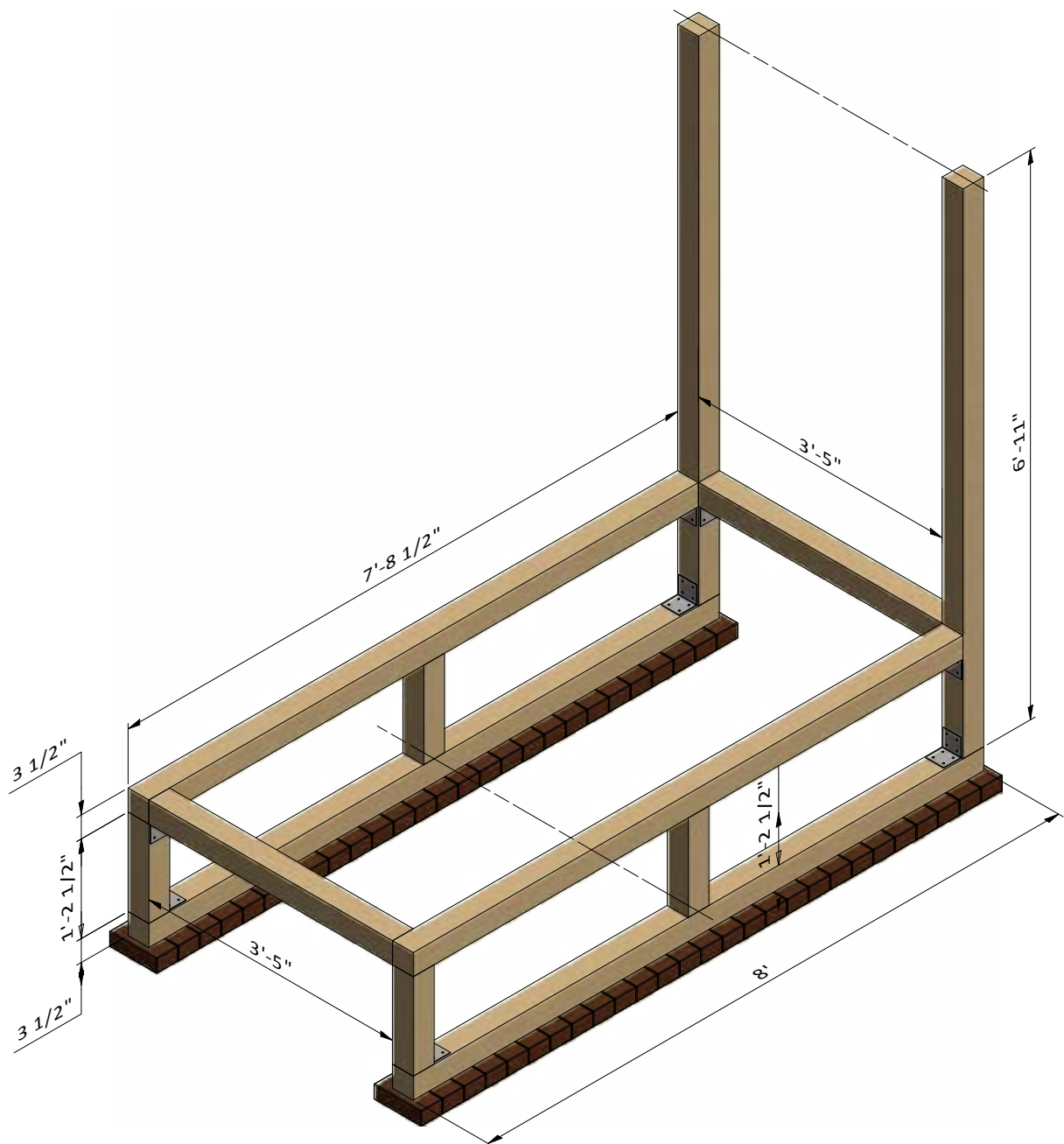
## STEP 1

### Assemble the Main Frame

**1.1** Using 3 1/2" x 3 1/2" pressure-treated lumber, install the beams using the drawing below as a reference. You will need two boards cut to 6'-11" and four boards cut to 1'-2 1/2" that will be studs, two boards cut to 3'-5" and two boards cut 7'-8 1/2" that will be horizontal girts, two boards cut to 8' that will be bottom plates.

**1.2** Secure the beams to the bottom rails with 5", 2" wood screws and 3" x 3" corner brackets.

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



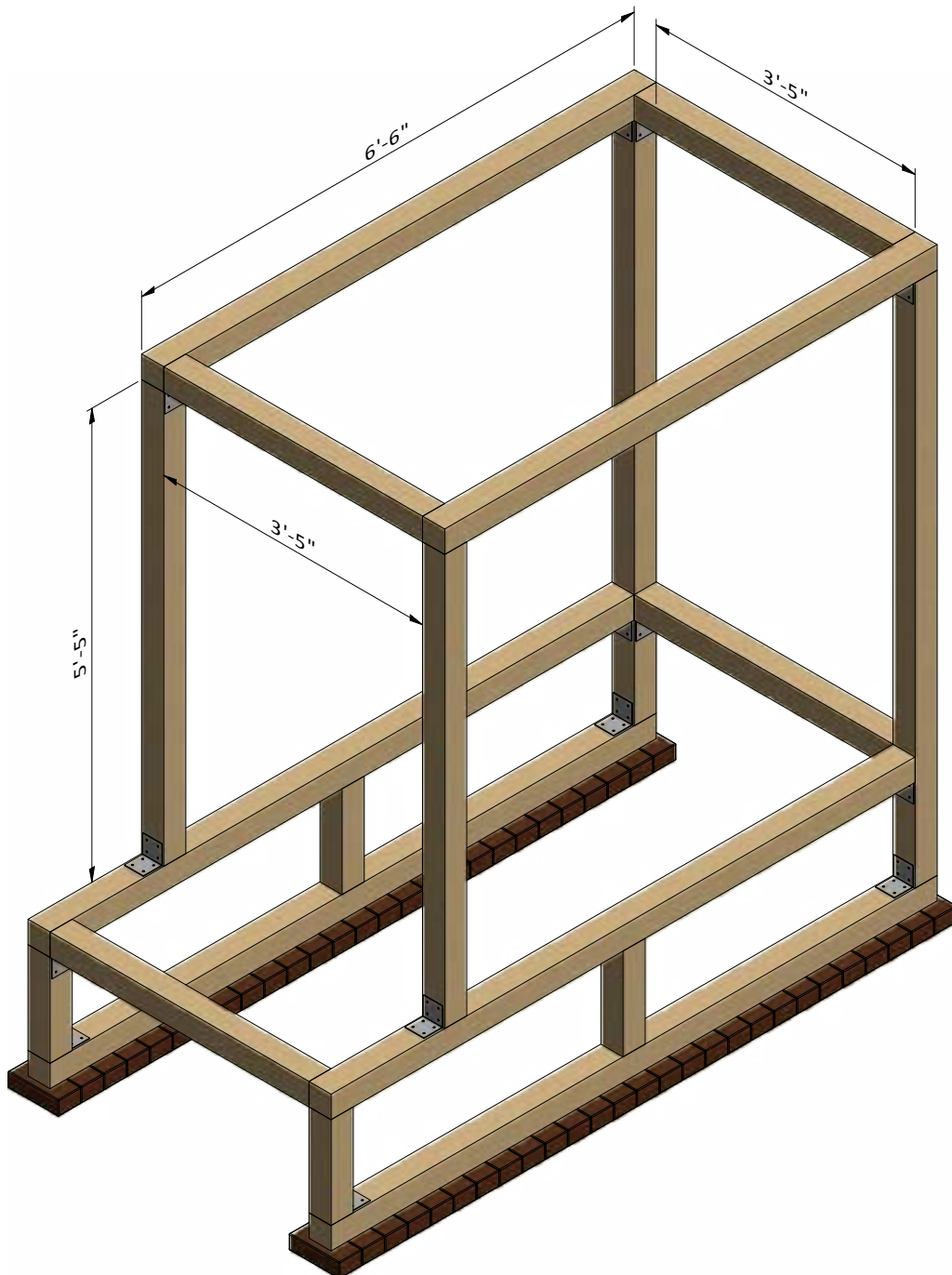
## STEP 2

### Assemble the Main Frame

**2.1** Using 3 1/2" x 3 1/2" pressure-treated lumber, install the beams using the drawing below as a reference. You will need two boards cut to 5'-5" that will be studs, two boards cut to 3'-5" and two boards cut to 6'-6" that will be top plates.

**2.2** Secure the beams to the bottom rails with 5", 2" wood screws and 3" x 3" corner brackets.

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



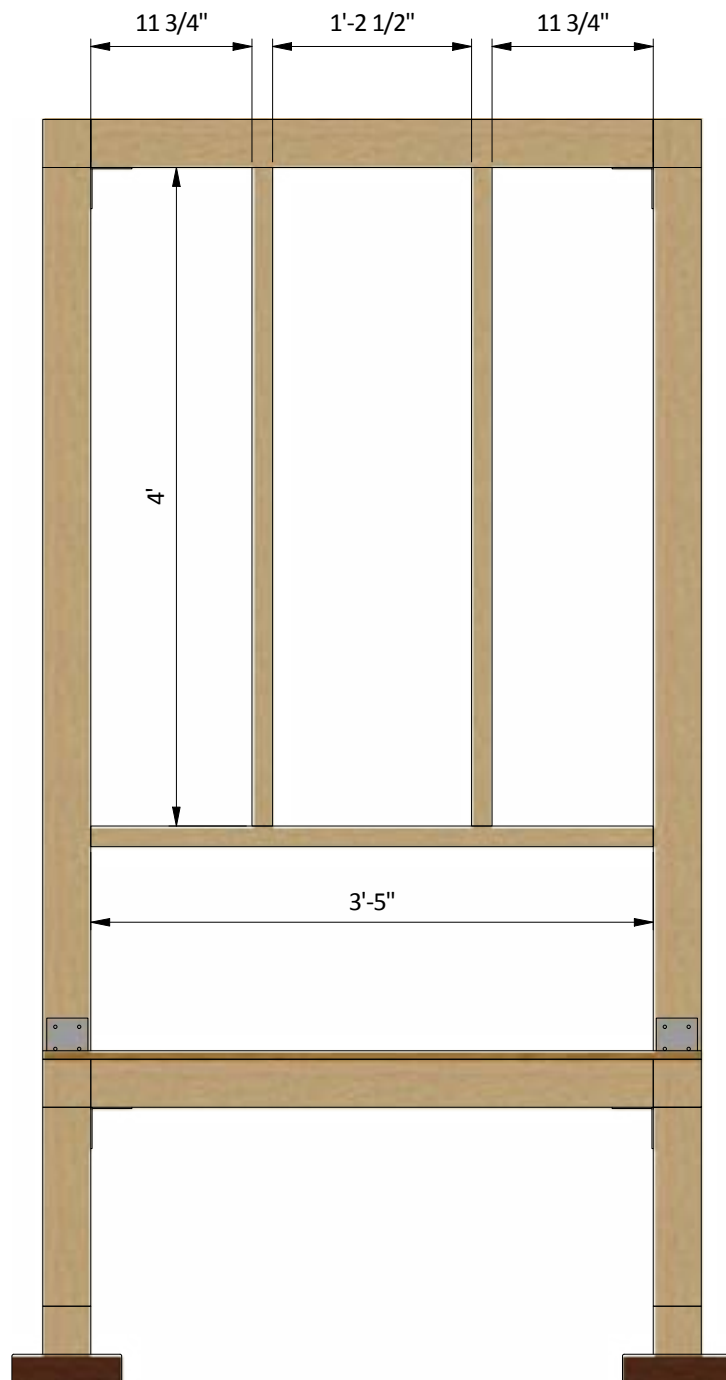
## STEP 3

### Assemble Front Wall Frame

**3.1** Using 1 1/2" x 3 1/2" pressure-treated lumber, construct front wall frame using the drawing below as a reference. You will need two boards cut to 4' that will be studs and one board cut to 3'-5" that will be the bottom plate.

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

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



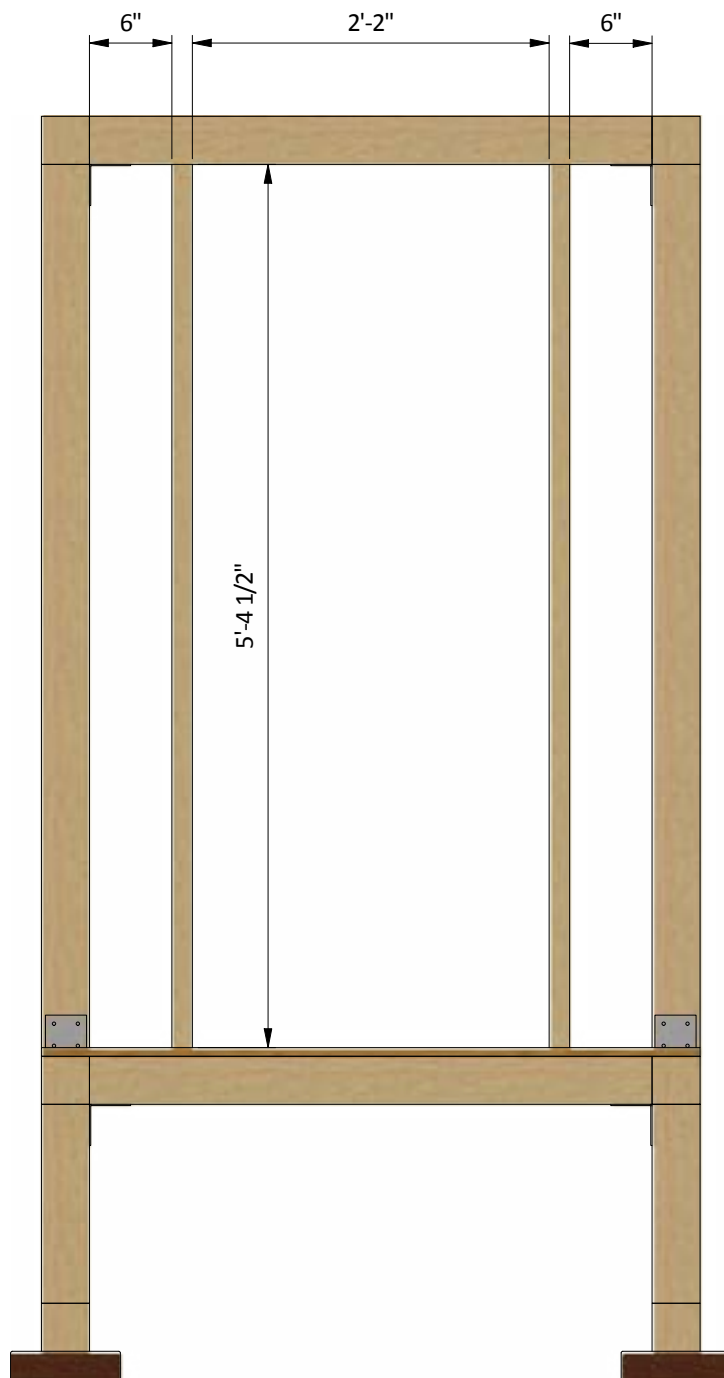
## STEP 4

### Assemble Back Side Wall Frame

**4.1** Using 1 1/2" x 3 1/2" pressure-treated lumber, construct back side wall frame using the drawing below as a reference. You will need two boards cut to 5'-4 1/2" that will be studs.

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

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



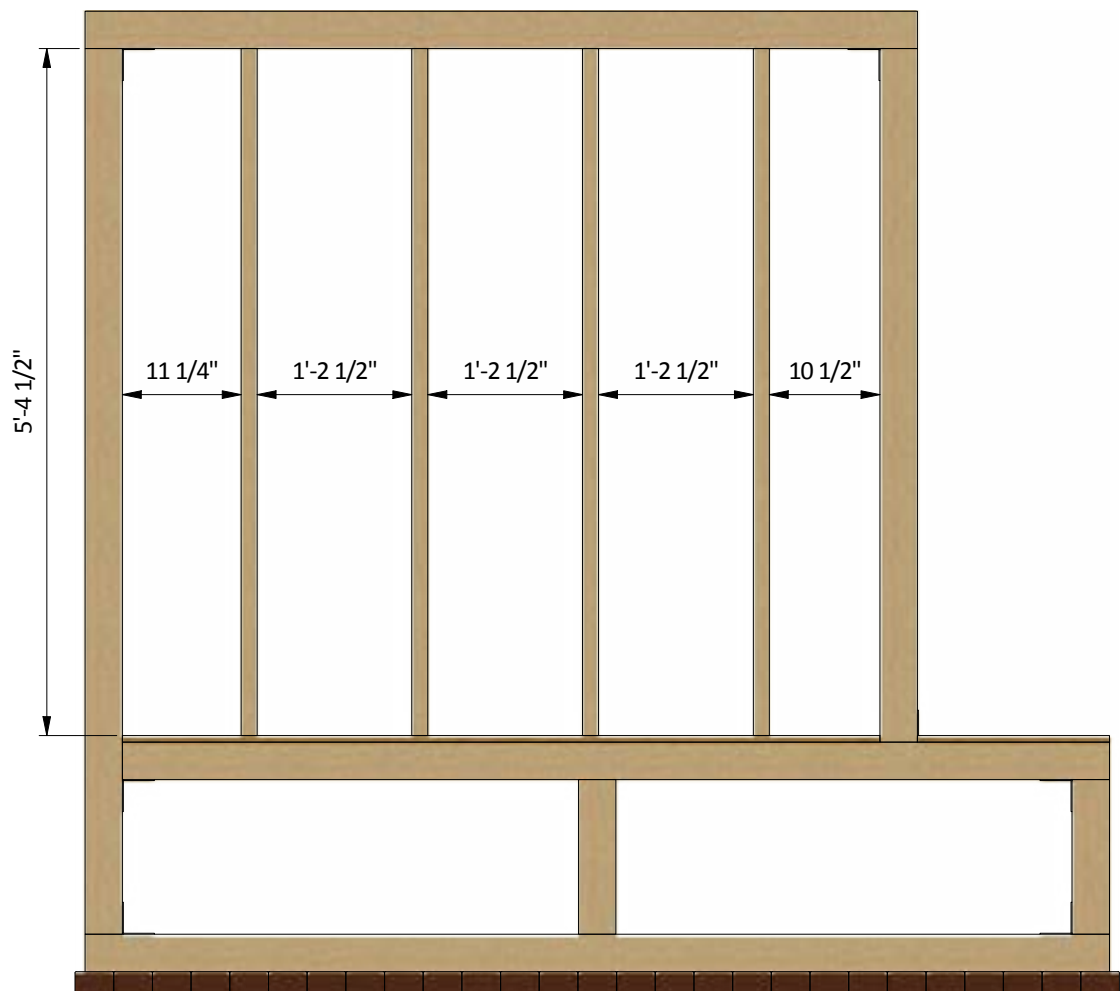
## STEP 5

### Assemble Left Side Wall Frame

**5.1** Using 1 1/2" x 3 1/2" pressure-treated lumber, construct left side wall frame using the drawing below as a reference. You will need four boards cut to 5'-4 1/2" that will be studs.

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

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





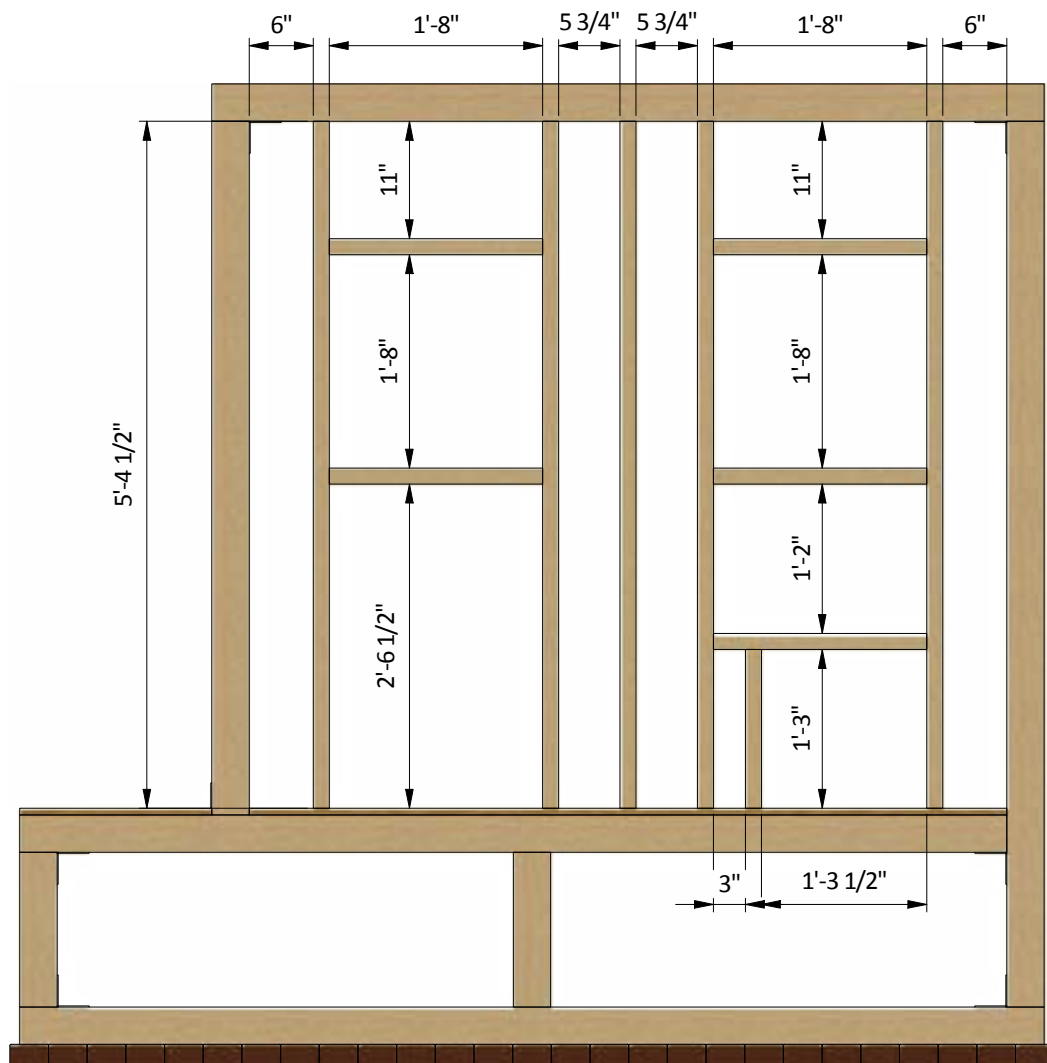
## STEP 6

## Assemble Right Side Wall Frame

**6.1** Using 1 1/2" x 3 1/2" pressure-treated lumber, construct right side wall frame using the drawing below as a reference. You will need five boards cut to 5'-4 1/2" and one board cut to 1'-3" that will be studs, five boards cut to 1'-8" that will be the window headers and rough sills and one board cut to 1'-8" that will be the door header.

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

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



## STEP 7

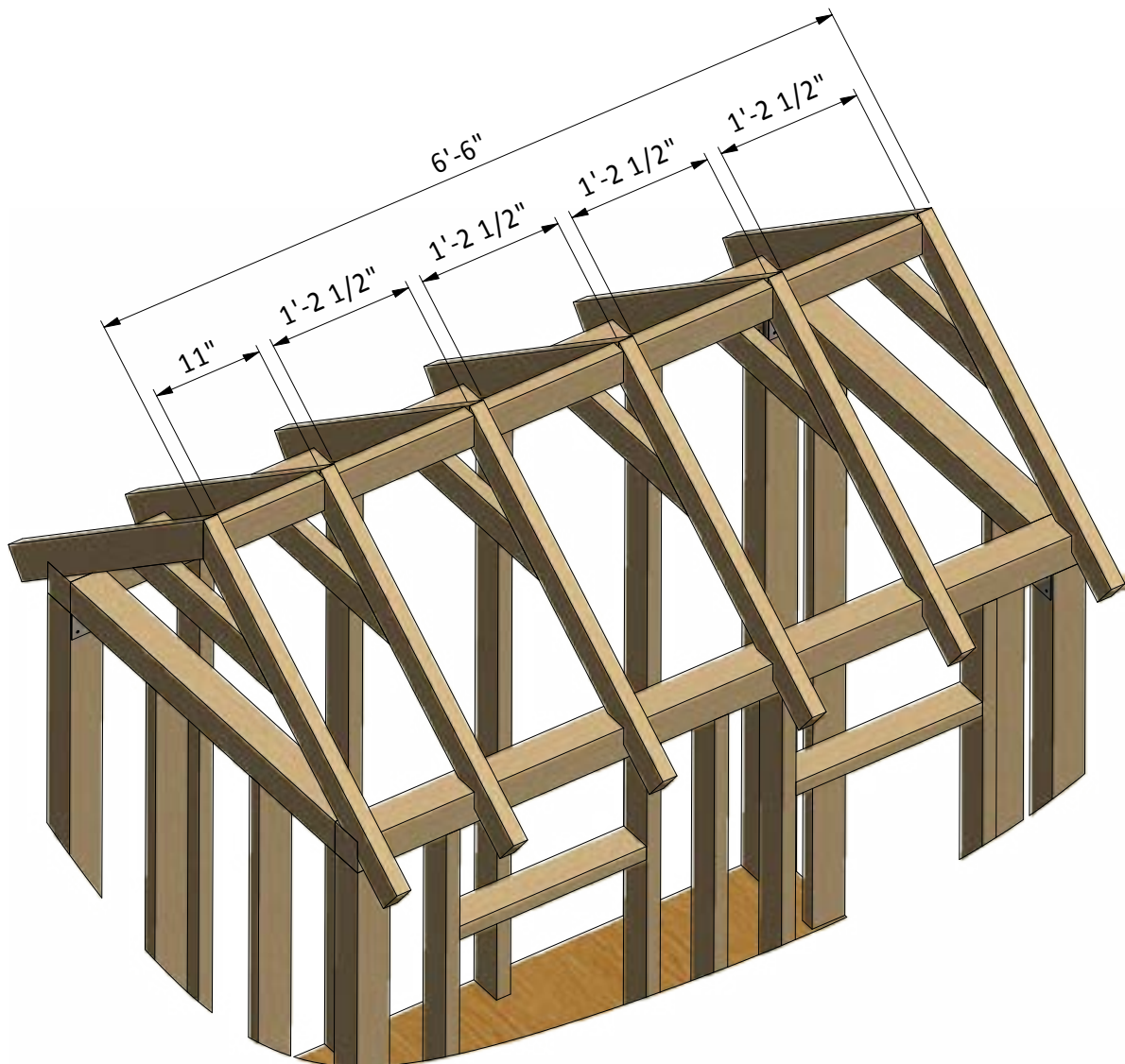
### Assemble the Roof Frame

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

**7.2** Using 1 1/2" x 3 1/2" pressure-treated lumber, cut six collar ties 1'-9 3/4" long according to the dimensions in drawings below.

**7.3** Using 1 1/2" x 3 1/2" pressure-treated board, cut one board 11" long and four boards cut to 1'-2 1/2" long that will be ridge boards according the illustration below.

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

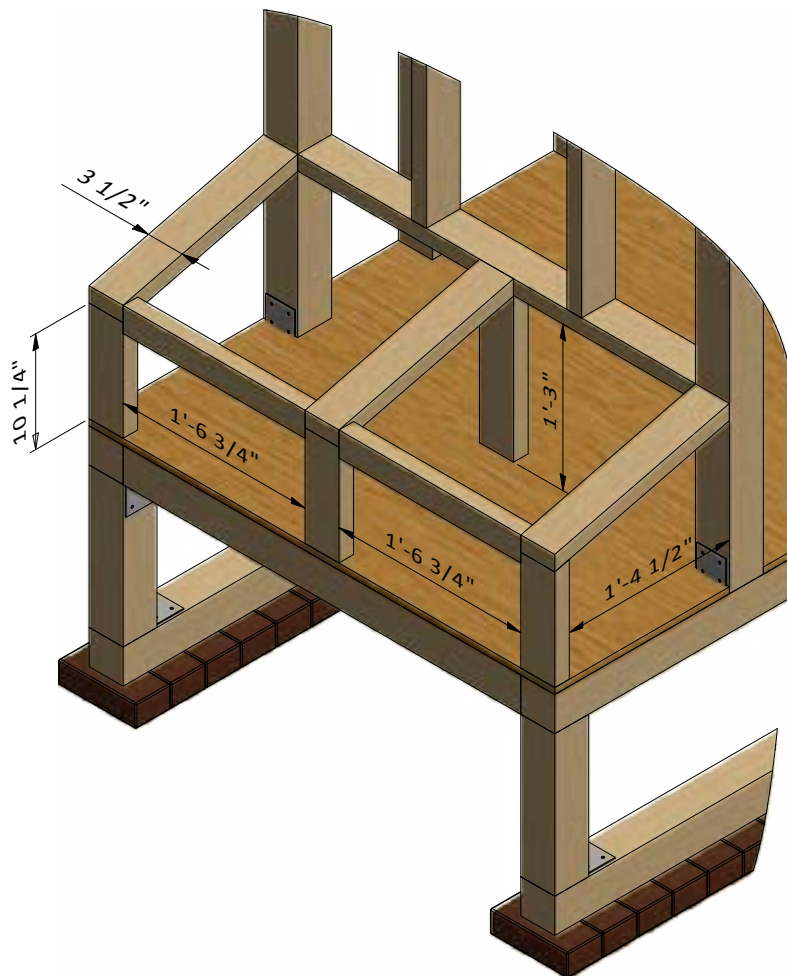


## STEP 8

### Nesting Box Assembly

**8.1** Using 1 1/2" x 2 1/2" and 1 1/2" x 3 1/2" material, assemble the frame for the nesting box using the illustration below as a guide. You will need three boards cut to 1'-7", three boards cut to 10 3/4", one board cut to 1'-3" and two boards cut to 1'-6 3/4" that will be girts.

**8.2** Make sure to provide slope for the lid of the nesting box.



## STEP 9

### Assemble and Install Back Wall Door

**9.1** Build the door frame using  $\frac{3}{4}$ " x  $3\frac{1}{2}$ " pressure-treated lumber and secure with 5" wood screws. You will need two boards cut to 4'-9" 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 4'-11  $\frac{3}{4}$ " that will be cross brace.

**9.2** Prepare the  $\frac{5}{8}$ " plywood sheet with dimensions 2'-1  $\frac{1}{2}$ " x 5'-4" for the door according to the drawing.

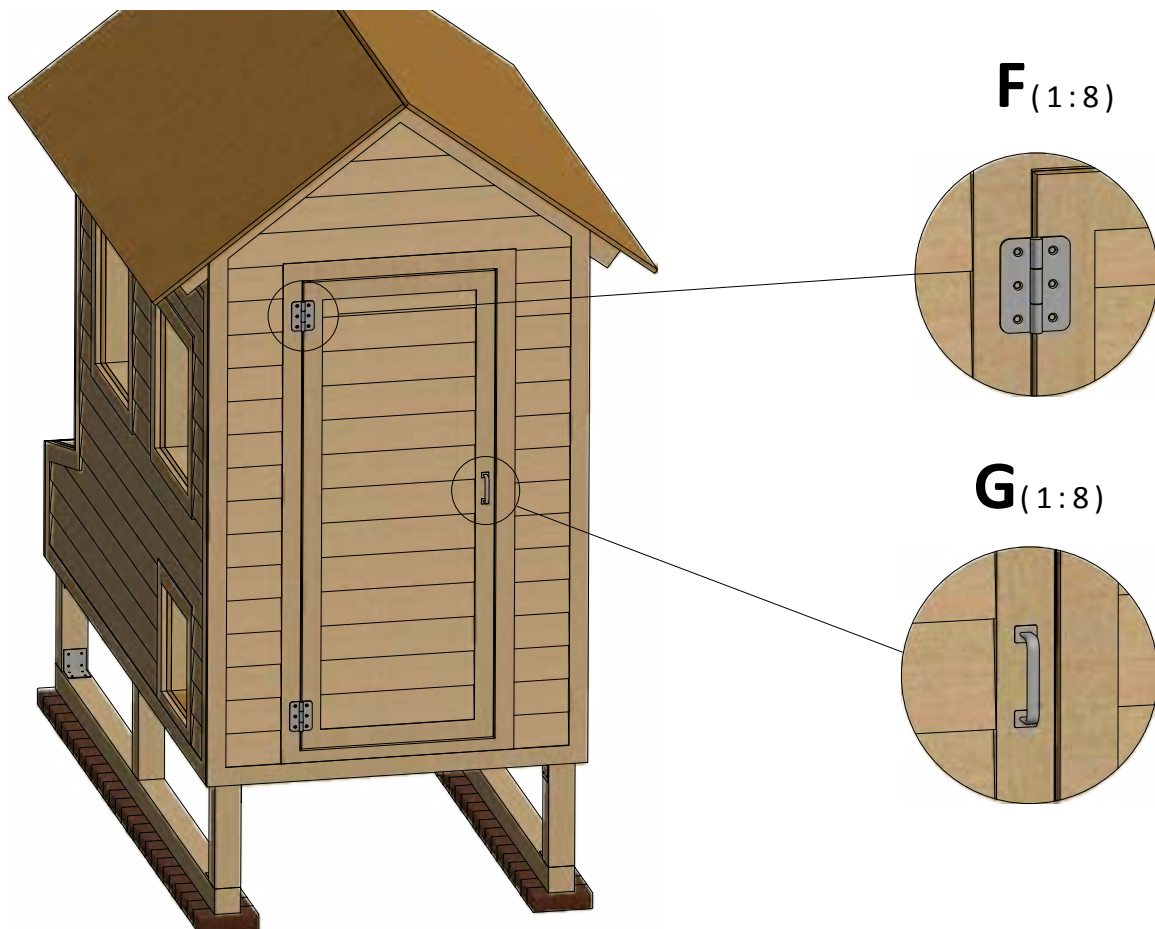
**9.3** Use  $\frac{3}{4}$ " x 2  $\frac{1}{2}$ " pressure-treated lumber for the door trim and fasten with 2" wood screws. You will need two boards cut to 2'-1  $\frac{1}{2}$ " and two boards cut to 4'-11".

**9.4** Using  $\frac{1}{4}$ " x  $\frac{3}{4}$ " pressure-treated lumber, cut and install a starter course 1'-8  $\frac{1}{2}$ " long.

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

**9.6** Assemble siding shields with 2" galvanized nails.

**9.7** Install two 3" door hinges using 6x1" wood screws. Finish the doors installation by attaching 6" door pull (see nodes **F**, **G**).



## STEP 10

# Assemble and Install Windows

You will need to assembly two windows.

**10.1** 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.

**10.2** 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.

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





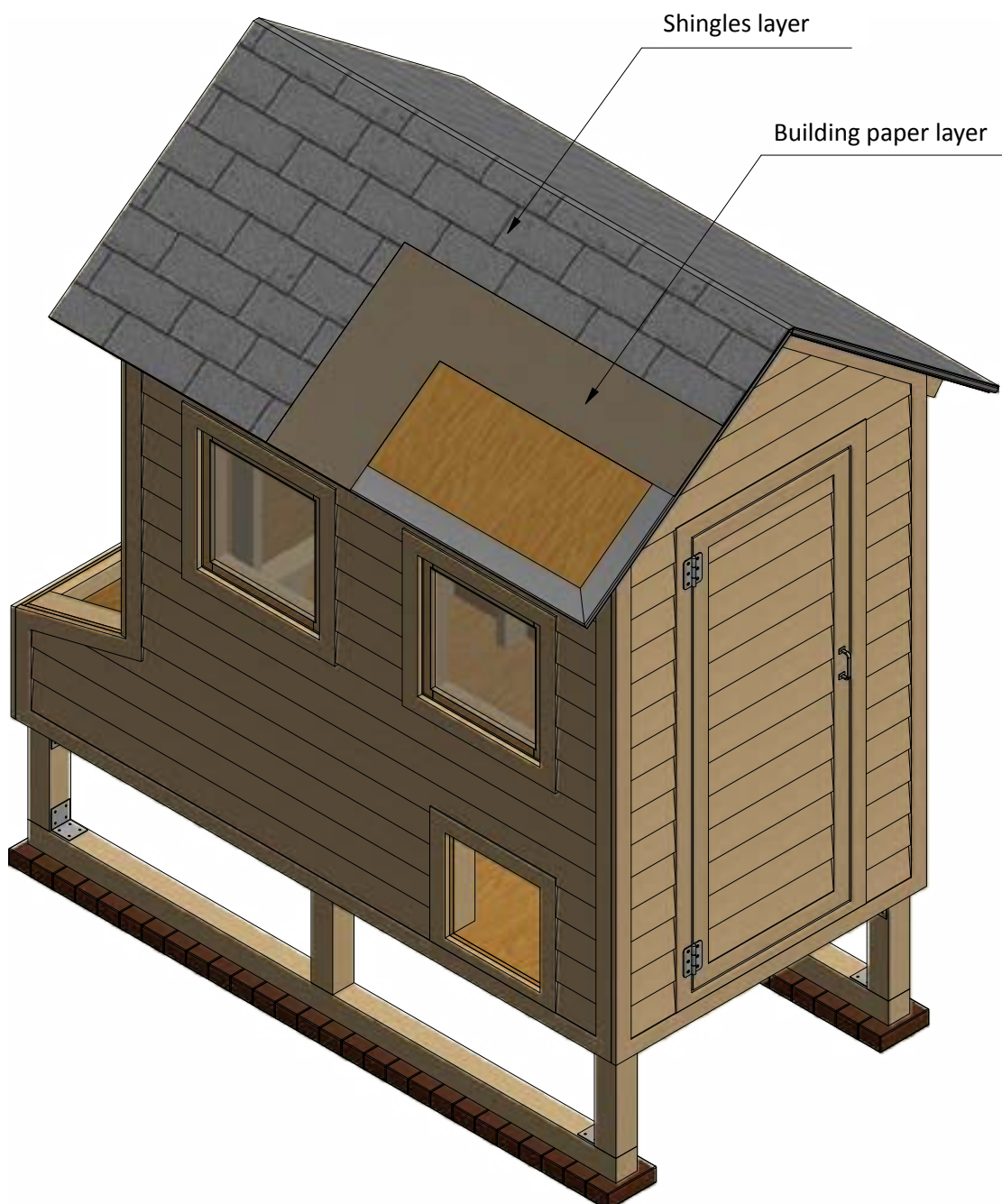
## STEP 11

### Coop's Roof Sheathing Installation

**11.1** You will need 52 Sq Ft of building paper and asphalt shingle roofing.

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

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



## STEP 12

### Assemble The Roost

**12.1** Assemble the roost using 1 1/2" x 1 1/2" and 1 1/2" x 2 1/2" pressure-treated material. You will need two boards cut to 3'-8 1/2" and four boards cut to 2'-9 3/4".

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

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



## 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.







## Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	18	58
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	✗	✓

TRY PREMIUM



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