



## 6'x14' Chicken Coop Plan

Up to 12 chickens



## Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	21	71
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

# 6'x14' 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

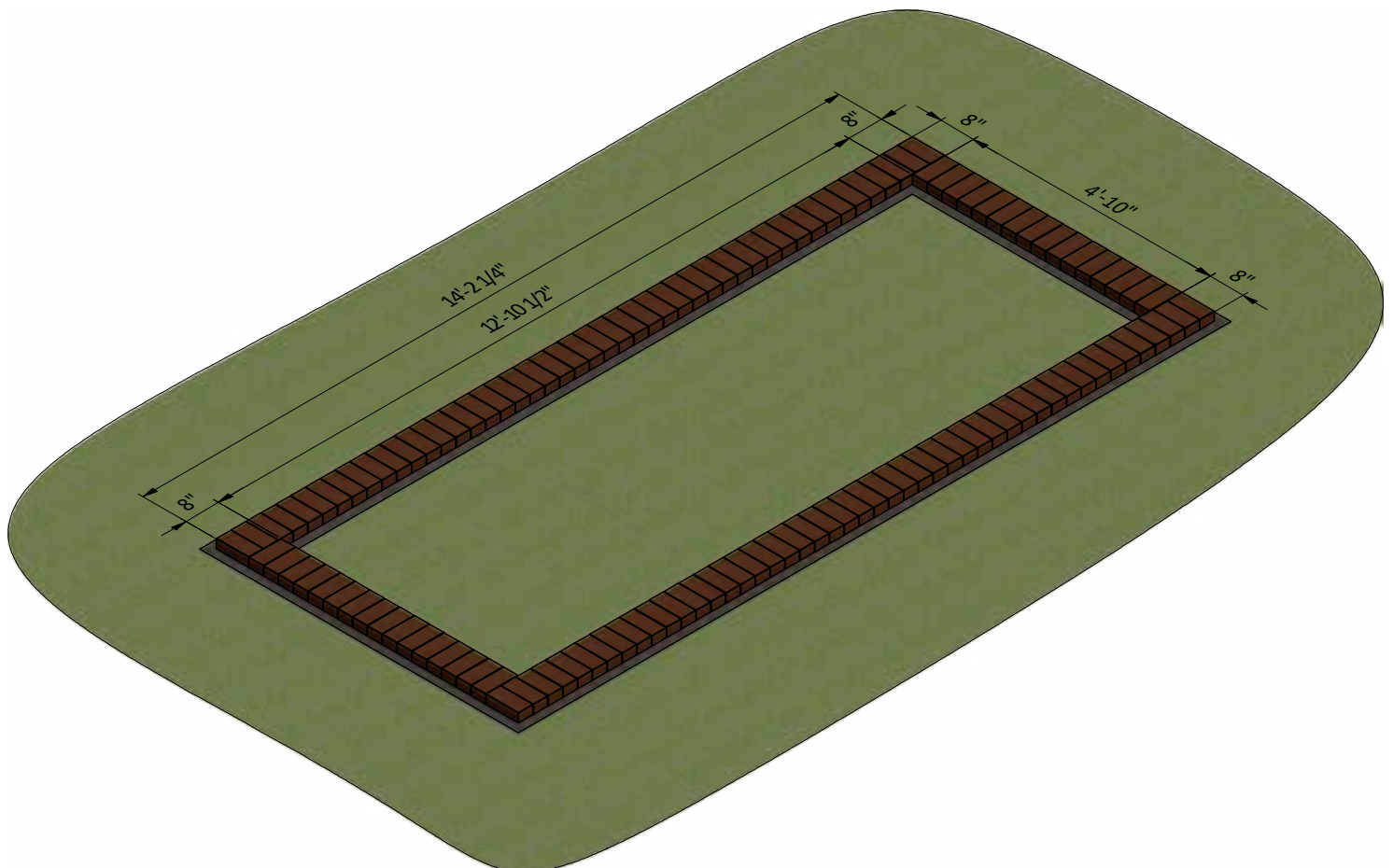
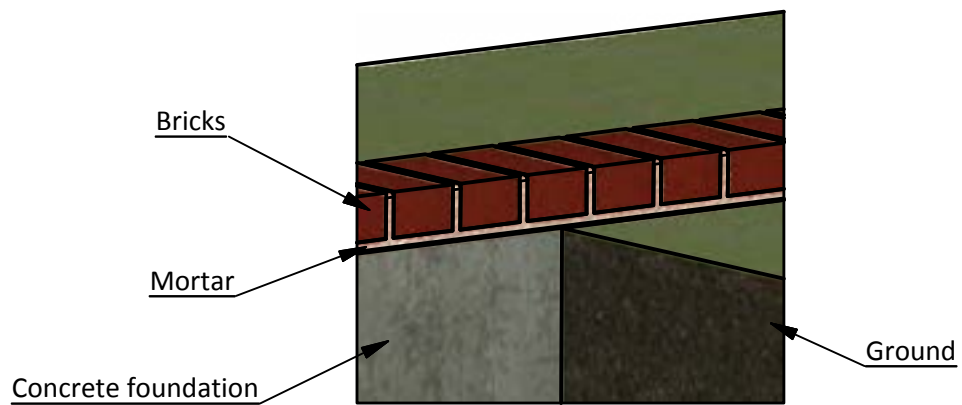
- Corner braces
- Galvanized nails
- Wood screws

## STEP 1

### Foundation Preparation

**1.1** 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.

**1.2** Once the concrete has cured, use standard-sized bricks and lay them across the foundation. You will need roughly 126 bricks for this step.





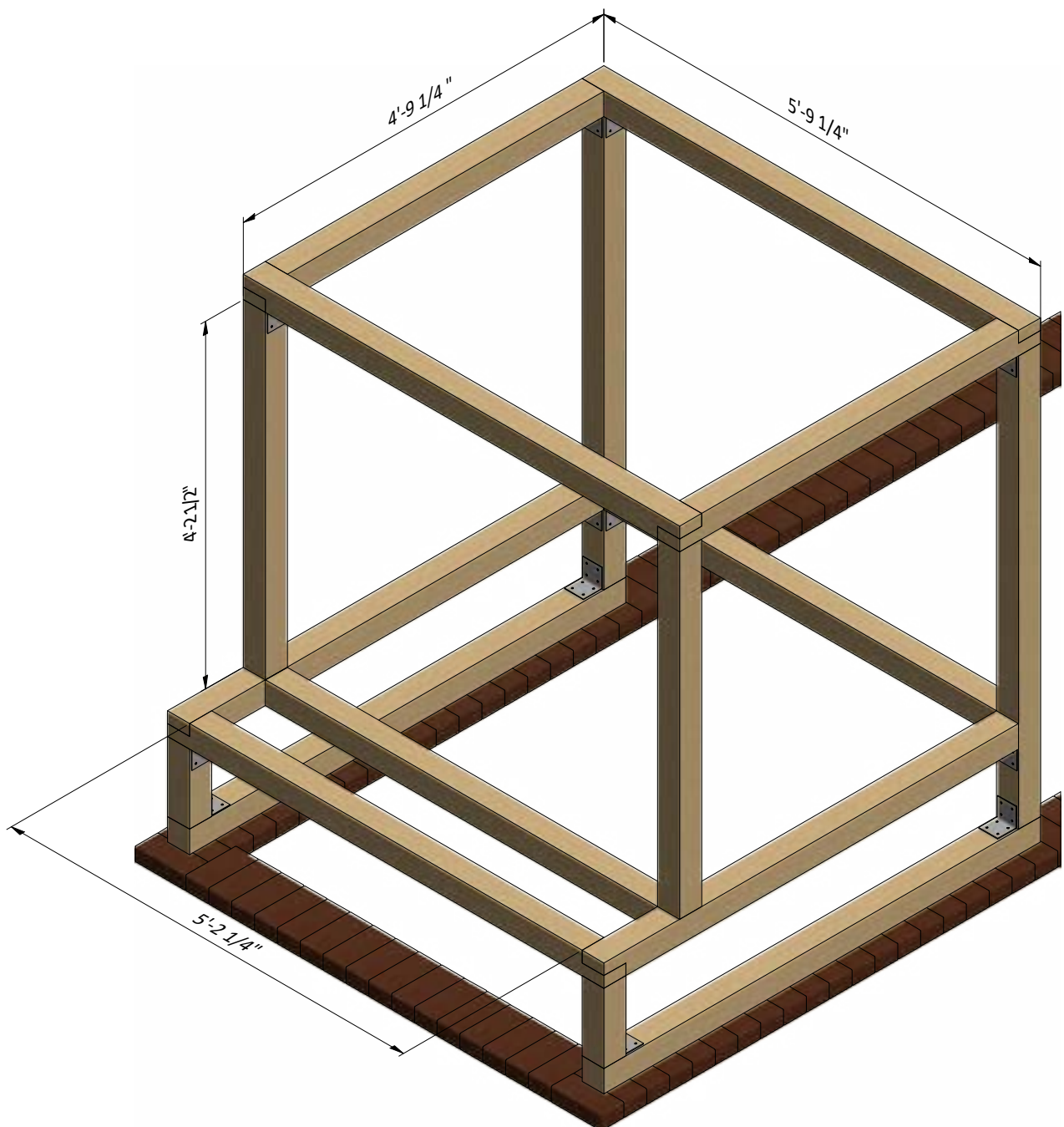
## STEP 2

### 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 4'-2 1/2" that will be studs, two boards cut to 5'-9 1/4", two boards cut to 4'-9 1/4" and one board cut to 5'-2 1/4" that will be horizontal girts. Use half lap connection according to the node **A** on page 16.

**2.2** Secure the beams to the bottom rails with 5" wood screws and 3" x 3" corner brackets with 1" wood screws.

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



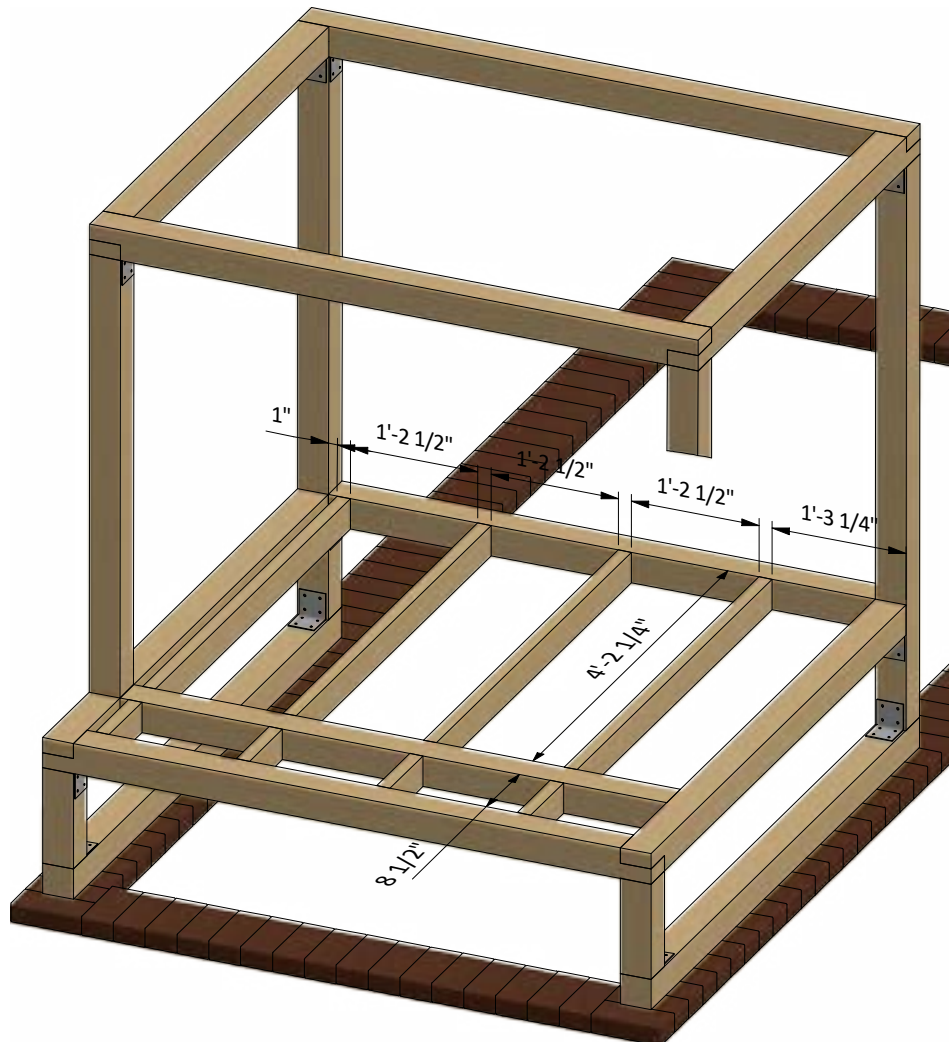
## STEP 3

### Assemble The Floor Frame

**3.1** Using 1 1/2" x 3 1/2" pressure-treated material, cut eight floor joists using the illustration below as a reference. You will need four boards cut to 8 1/2" and four boards cut to 4'-2 1/4".

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

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



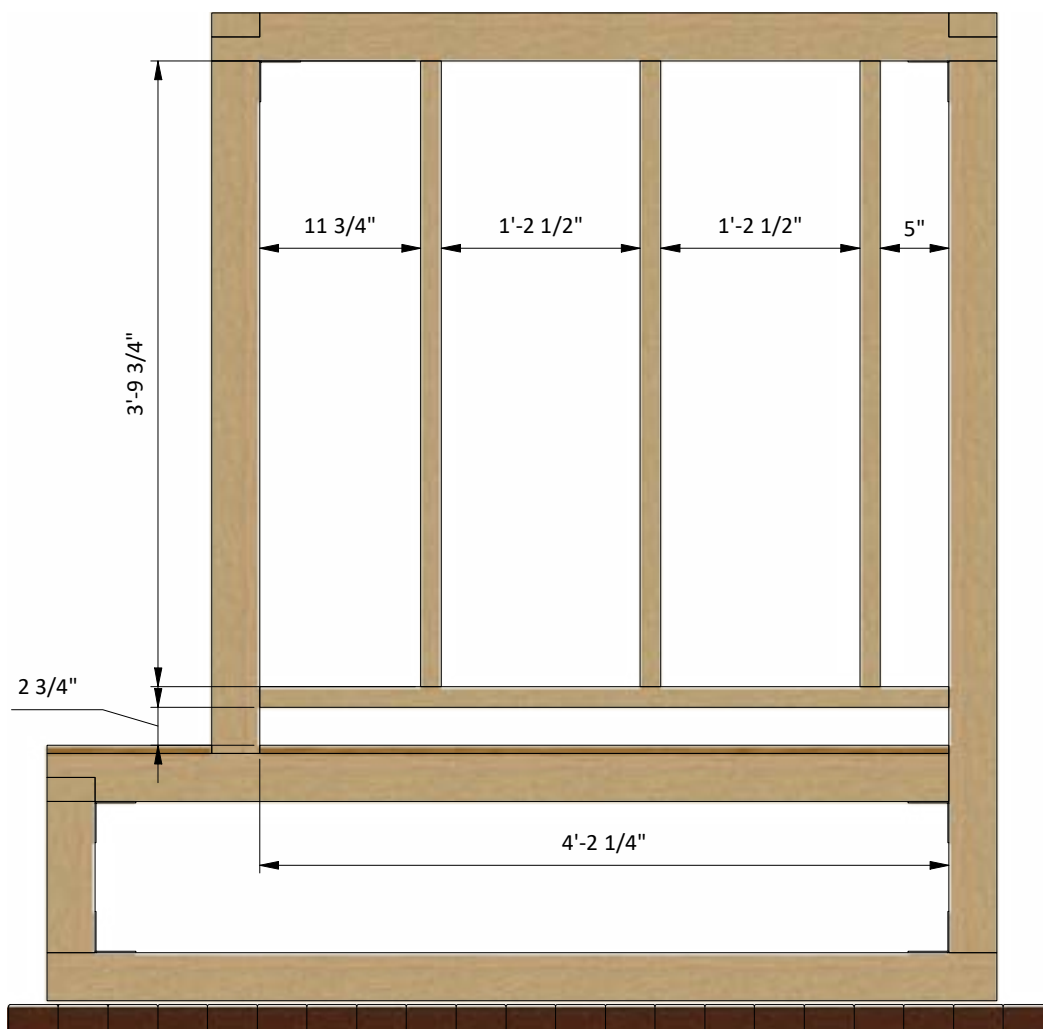
## STEP 4

### Assemble Back Wall Frame

**4.1** 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 three boards cut to 3'-9 3/4" that will be studs and one board cut to 4'-2 1/4" that will be the bottom beam.

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

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



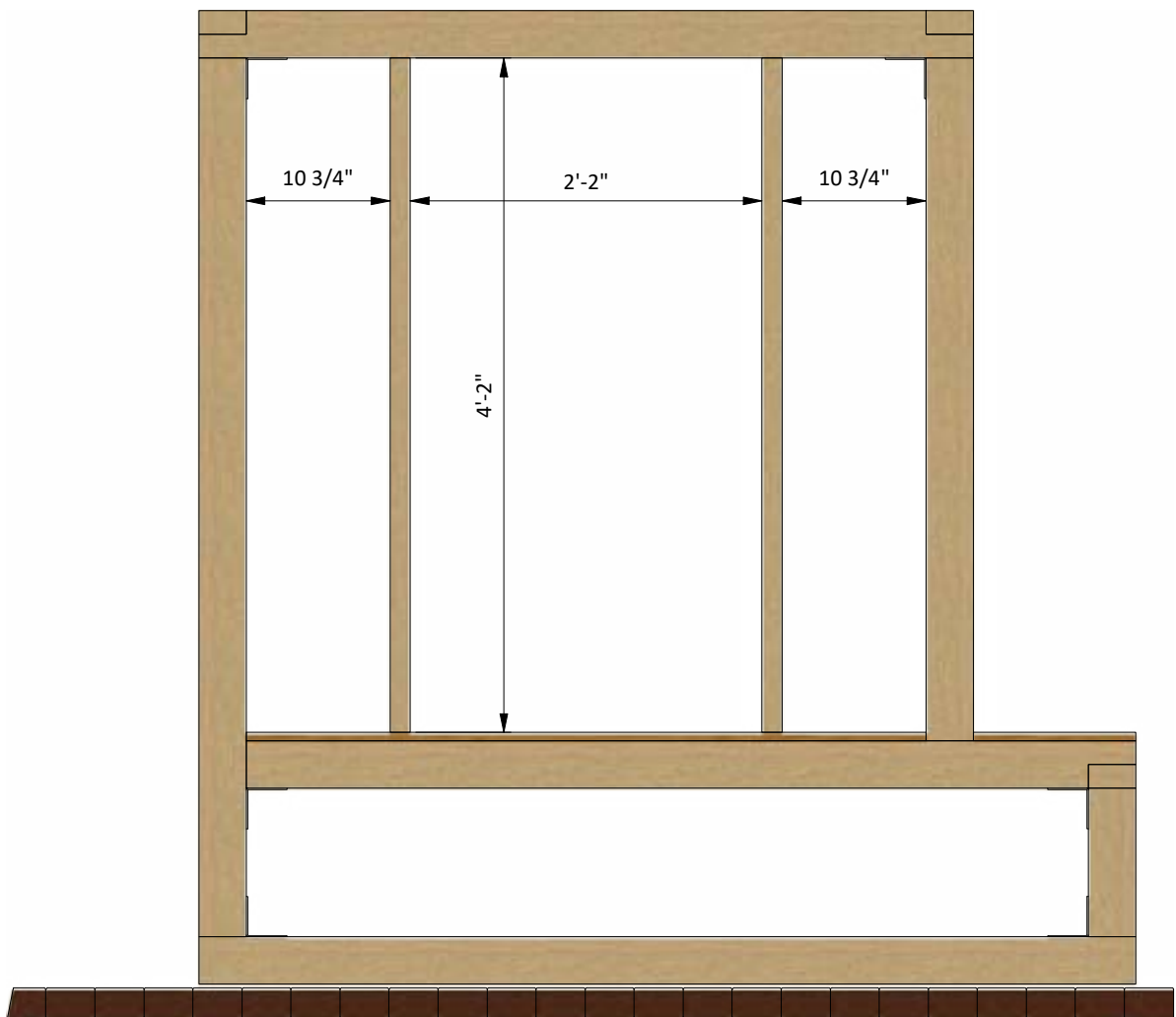
## STEP 5

### Assemble Front Wall Frame

**5.1** 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'-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°.





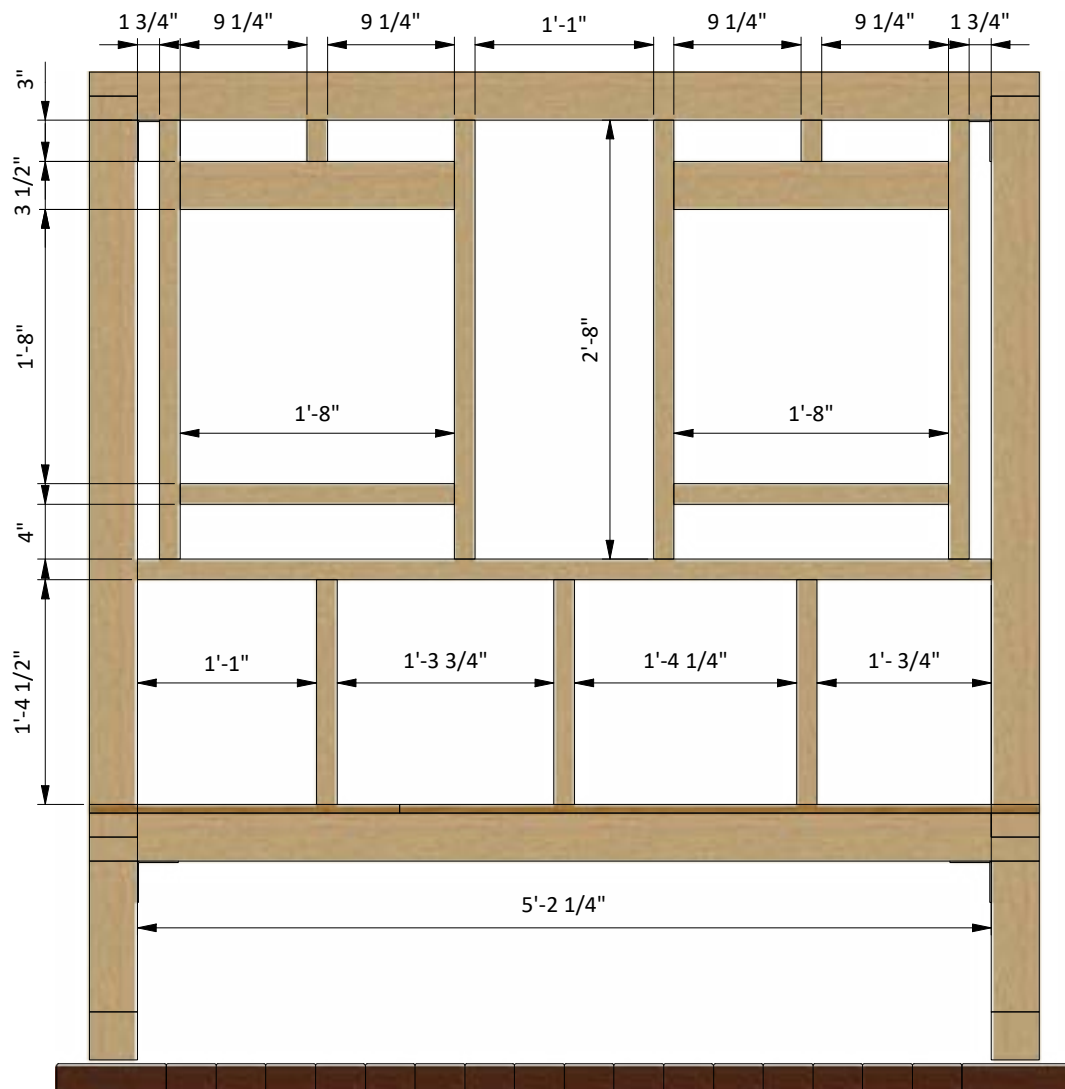
## STEP 6

## Assemble Right Side Wall Frame

**6.1** Using 3/4" x 3 1/2" and 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 four boards cut to 2'-8" and three boards cut to 1'-4 1/2" that will be studs, two boards cut to 3" that will be cripple studs, six boards cut to 1'-8" that will be the window headers and rough sills and one board cut to 5'-2 1/4" that will be the bottom beam.

## 6.2 Connect the beams with 3" and 5" wood screws.

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



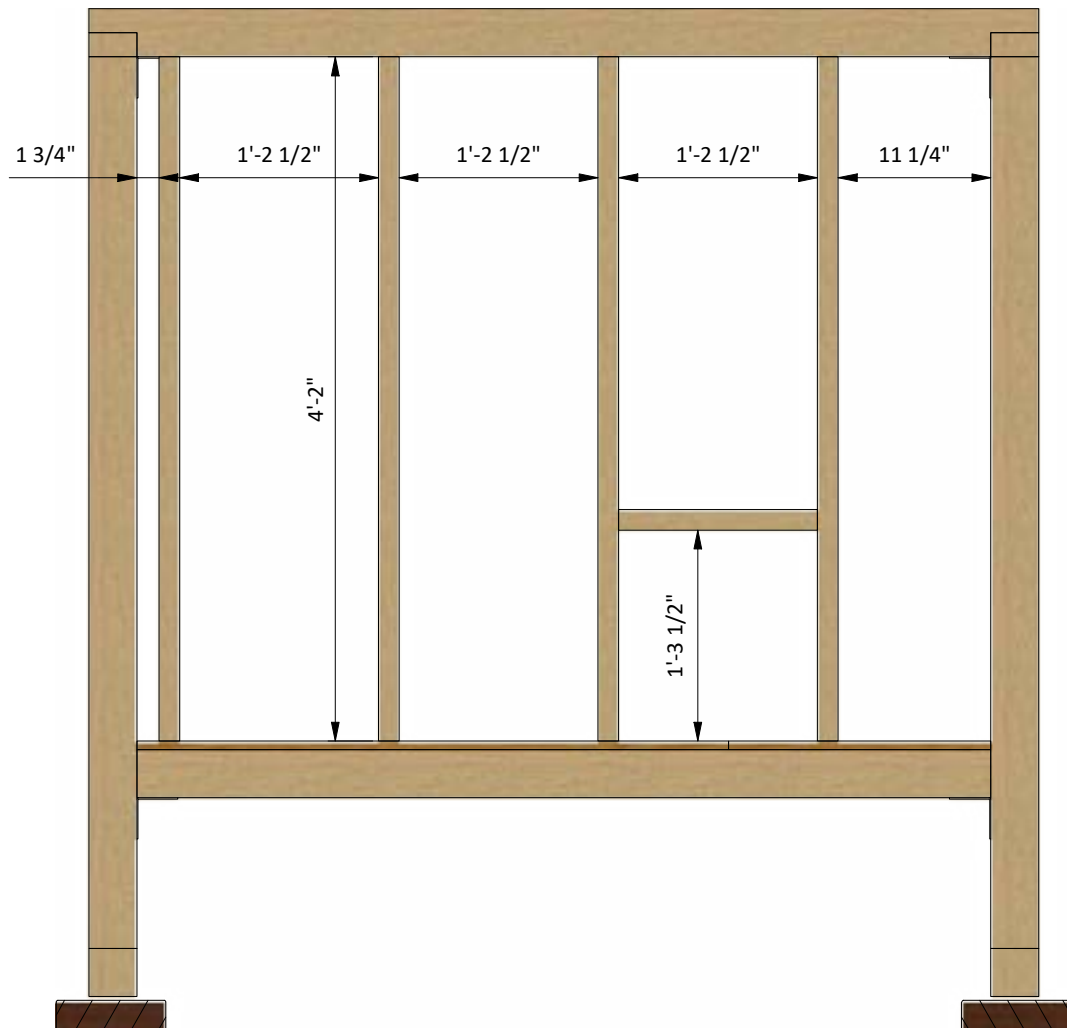
## STEP 7

### Assemble Left Side Wall Frame

**7.1** 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 4'-2" that will be studs and one board cut to 1'-2 1/2" that will be the door header.

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

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



## STEP 8

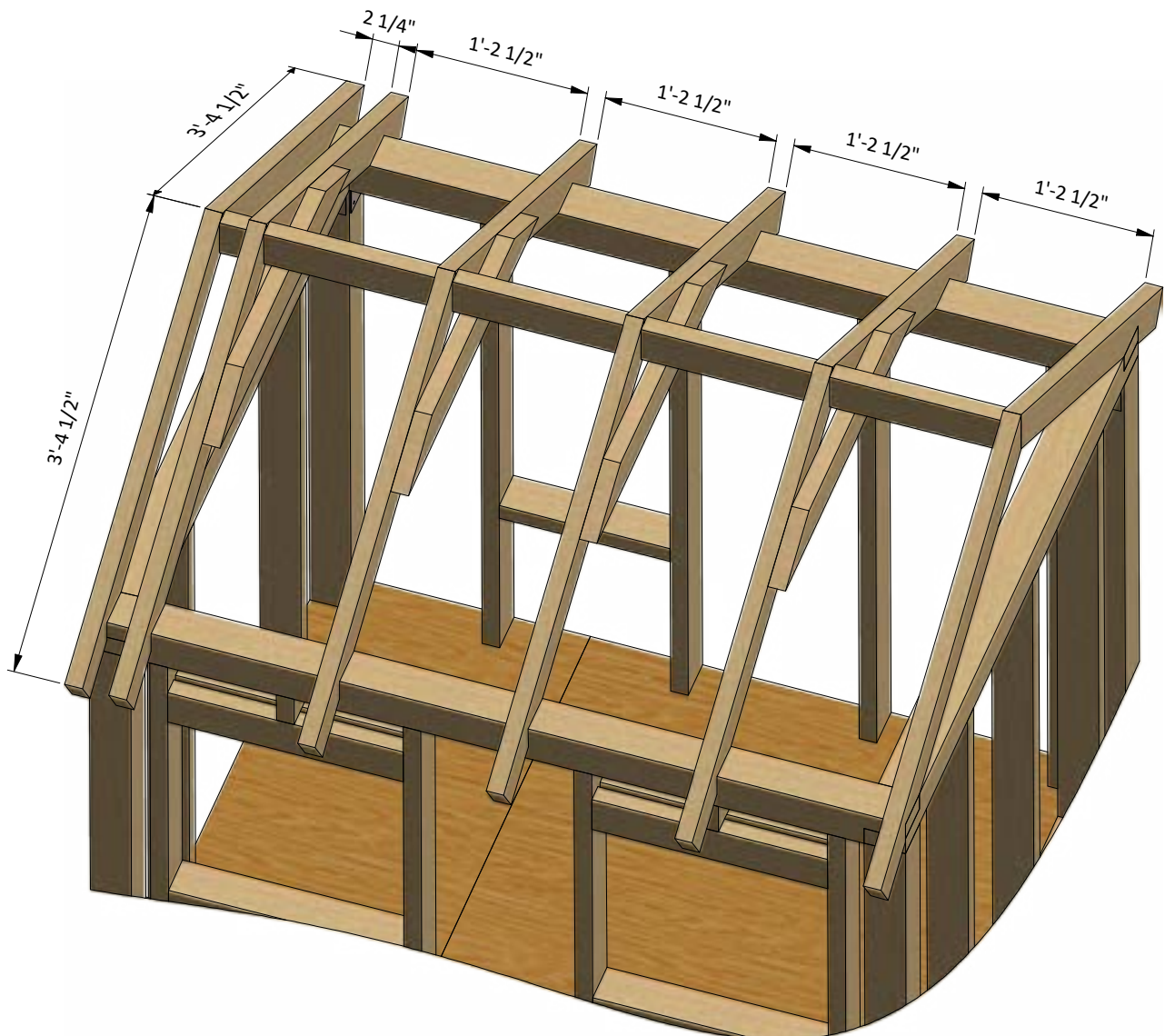
### Assemble the Roof Frame

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

**8.2** Using 1 1/2" x 3 1/2" pressure-treated lumber, cut four collar ties 2'-8" long according to the dimensions in drawings below.

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

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

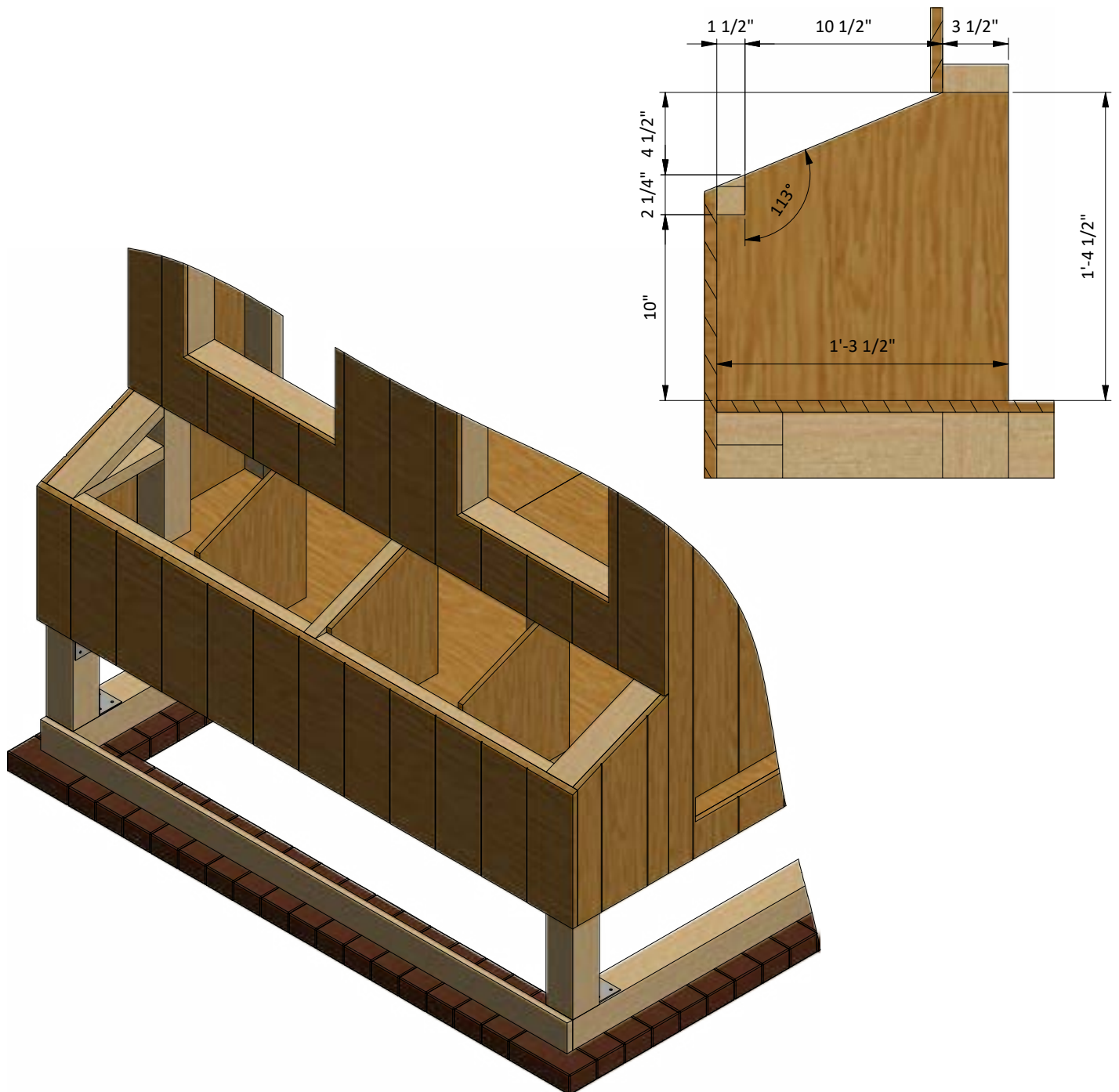


## STEP 9

### Install Plywood for the Nesting Box

**9.1** Cut sheet of 5/8" plywood for the inner partitions using the drawing below as a guide. You will need three 1'-3 1/2" x 1'-4 1/2" sheets.

**9.2** Secure the plywood with 2" wood screws.



## STEP 10

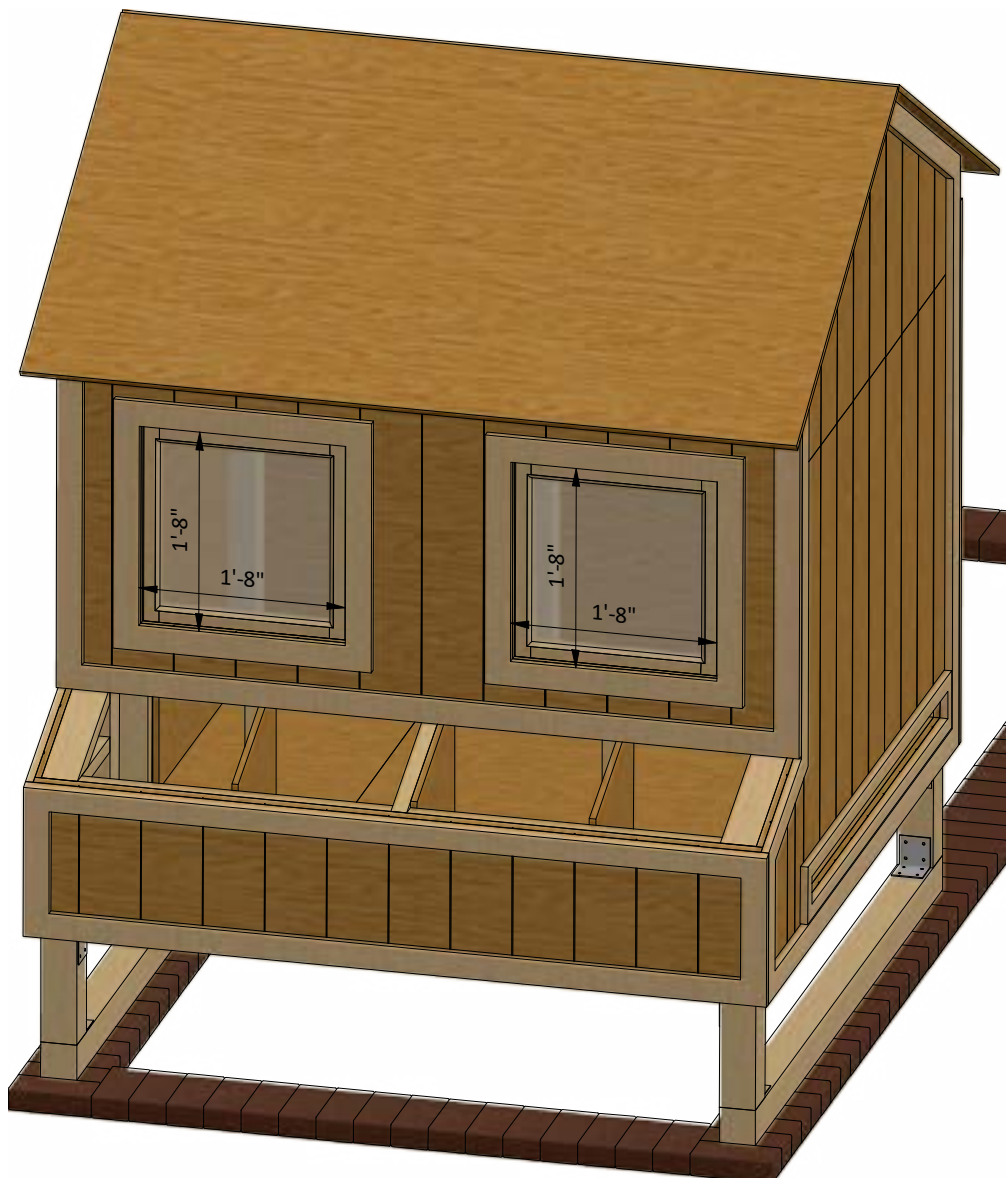
### Assemble and Install Windows

You will need to prepare 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.





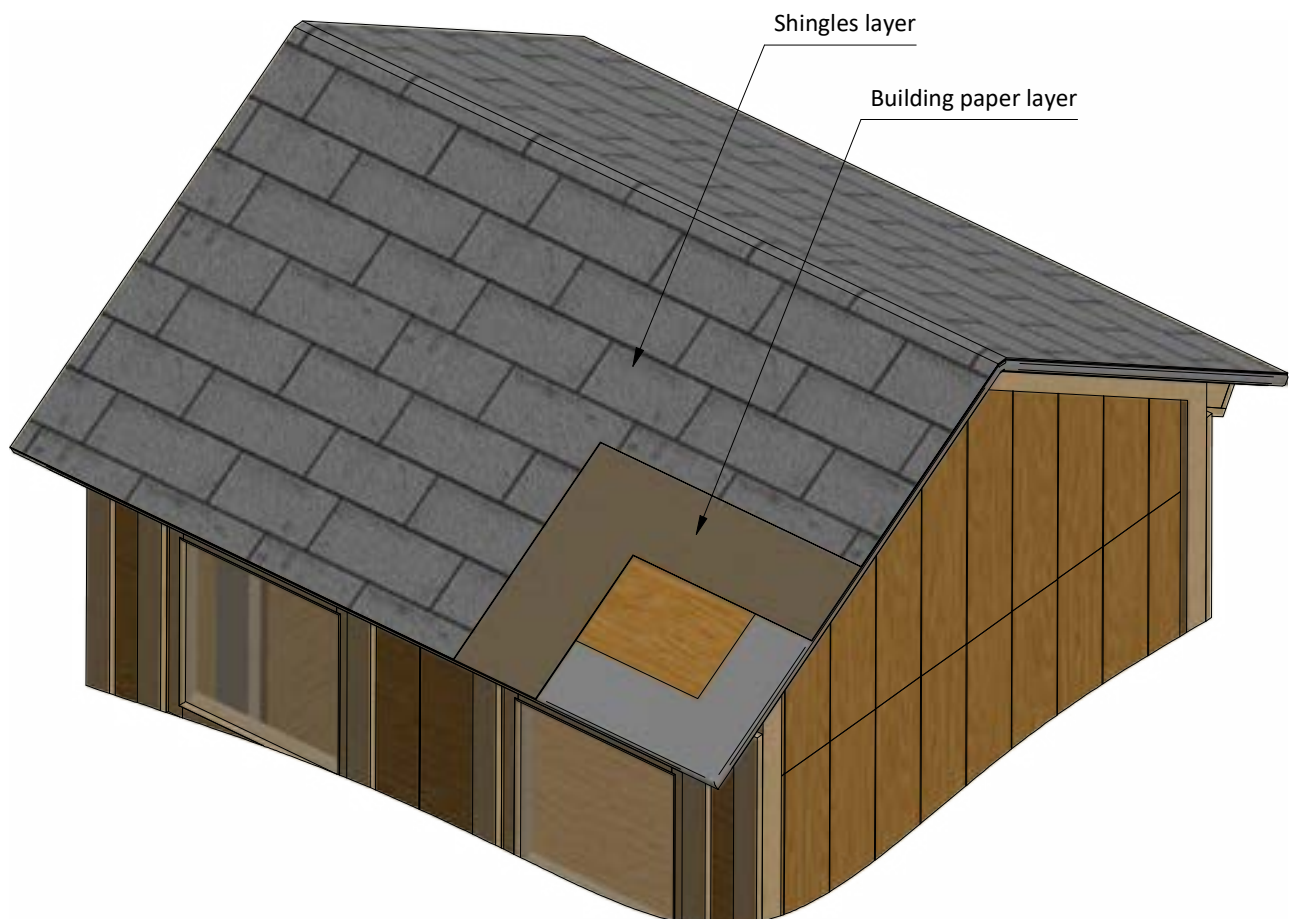
## STEP 11

### Coop's Roof Sheathing Installation

**11.1** You will need 46 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.



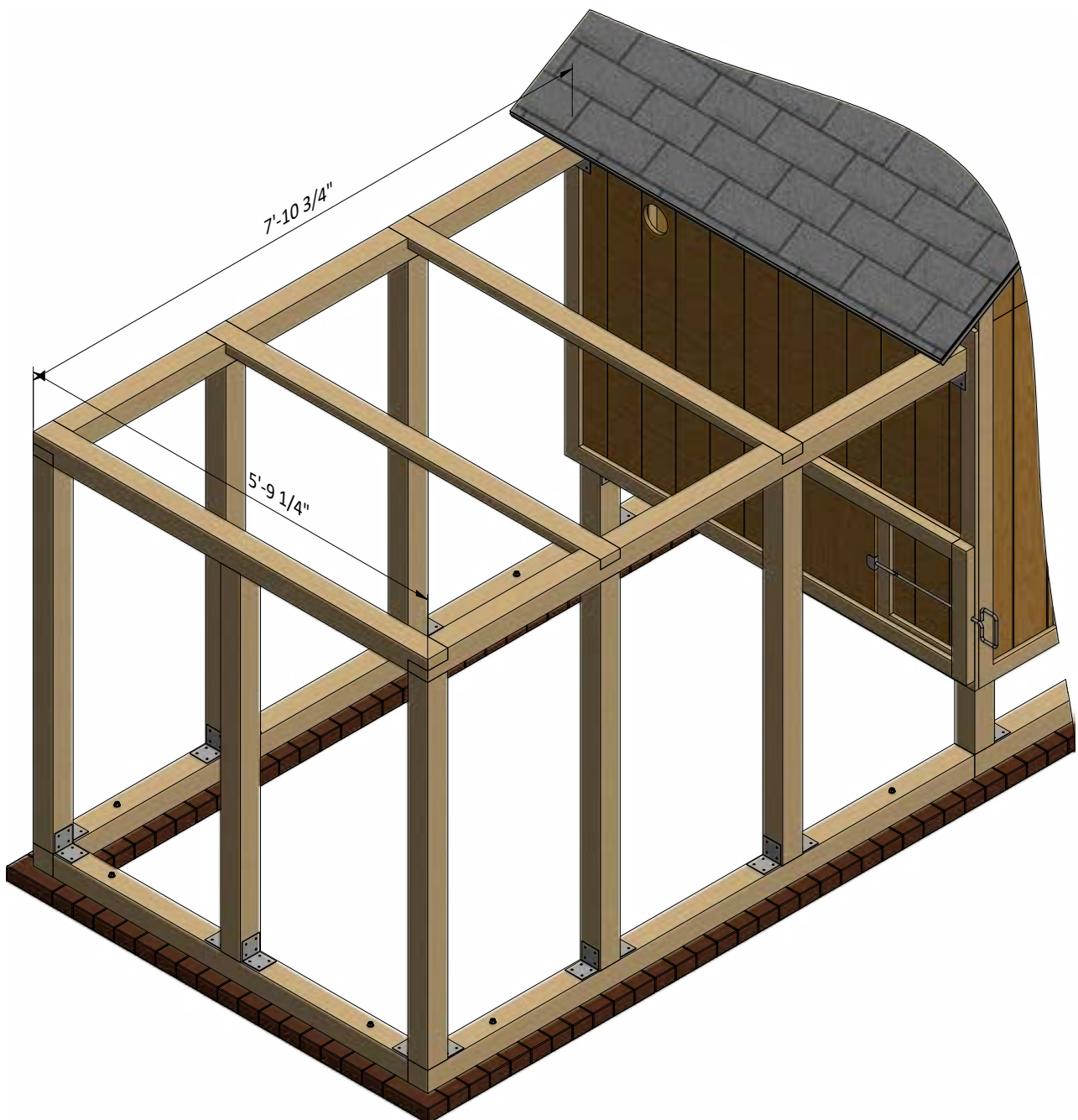


## STEP 12

### Assemble the Aviary's Top Frame

**12.1** Using 1 1/2" x 3 1/2" and 3 1/2" x 3 1/2" pressure-treated lumber, install the top beams using the drawing below as a reference. You will need three boards cut to 5'-9 1/4" and two boards cut to 7'-10 3/4". Provide cuttings for the half lap connection according to the node **A** on page 16 and drawings on the next page.

**12.2** To connect beams to the coop's left wall use 3"x3" corner braces.



## STEP 13

### Assemble The Roost

**13.1** 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 1/4" and three boards cut to 4'-1".

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

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



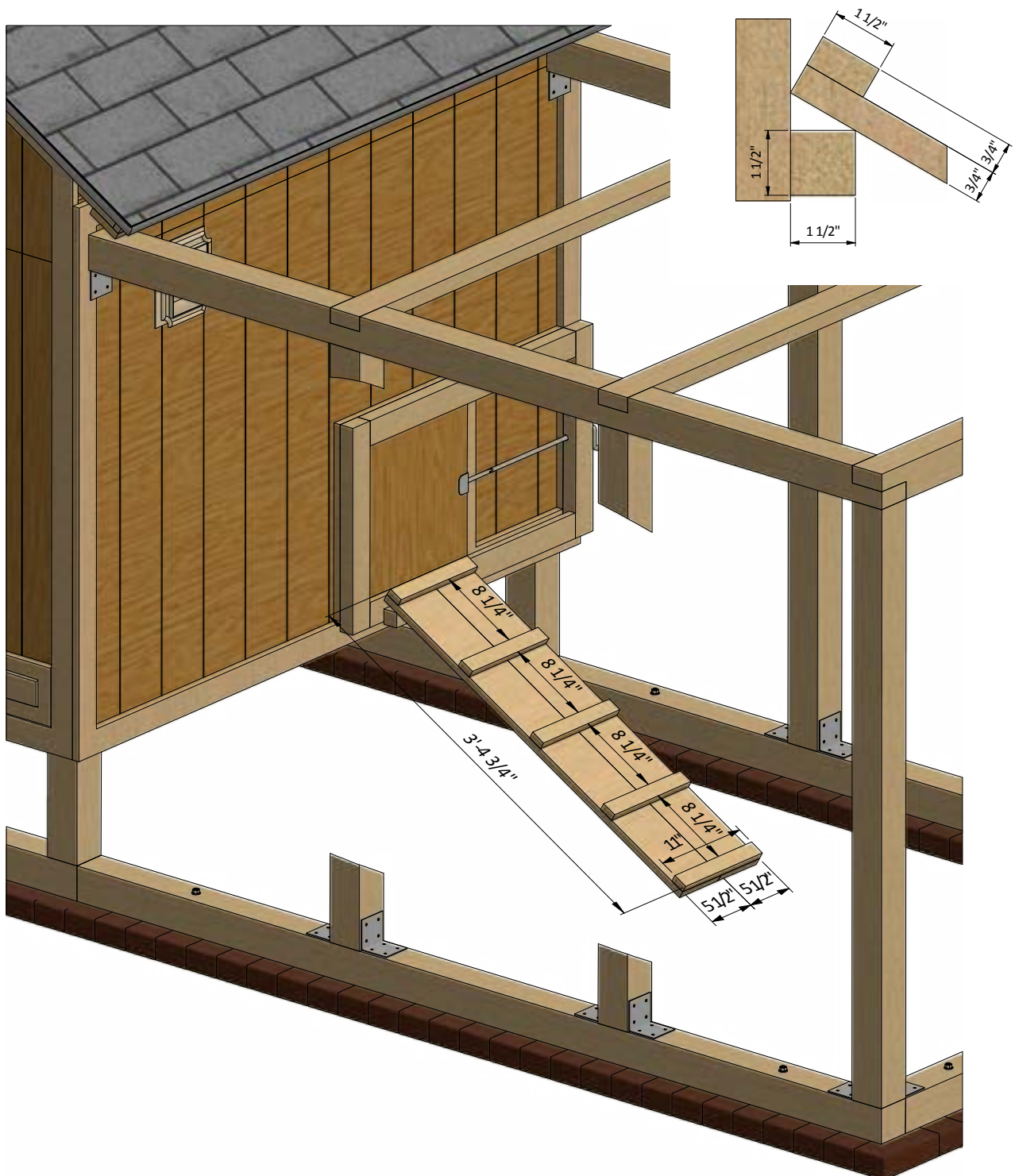
## STEP 14

### Assemble The Chicken Ladder

**14.1** Assemble the ladder using  $\frac{3}{4}$ " x  $1\frac{1}{2}$ " and  $\frac{3}{4}$ " x  $5\frac{1}{2}$ " pressure-treated material. You will need two boards cut to  $3'-4\frac{3}{4}$ " and four boards cut to 11".

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

**14.3** Install the roost at the studs with the help of 2" screws.





## STEP 15

### Assemble The Litter Tray

**15.1** Assemble the litter tray using 3/4" x 1 1/2" and 3/4" x 2 1/2" pressure-treated material and 5/8" plywood. You will need two boards cut to 5'-5 3/4", one board cut to 3'-10 1/2" and one board cut to 4'-1 3/4". Assemble the frame and put one 4' x 5'-5 3/4" sheet of plywood at the bottom. Finish the tray installation by attaching two 6" door handles.

**15.2** Connect the beams and plywood with 2" wood screws.



## STEP 16

### 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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