



## 4'x12' Chicken Coop Plan

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Up to 10 chickens

# 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	10	20
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**

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# 4'x12' 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

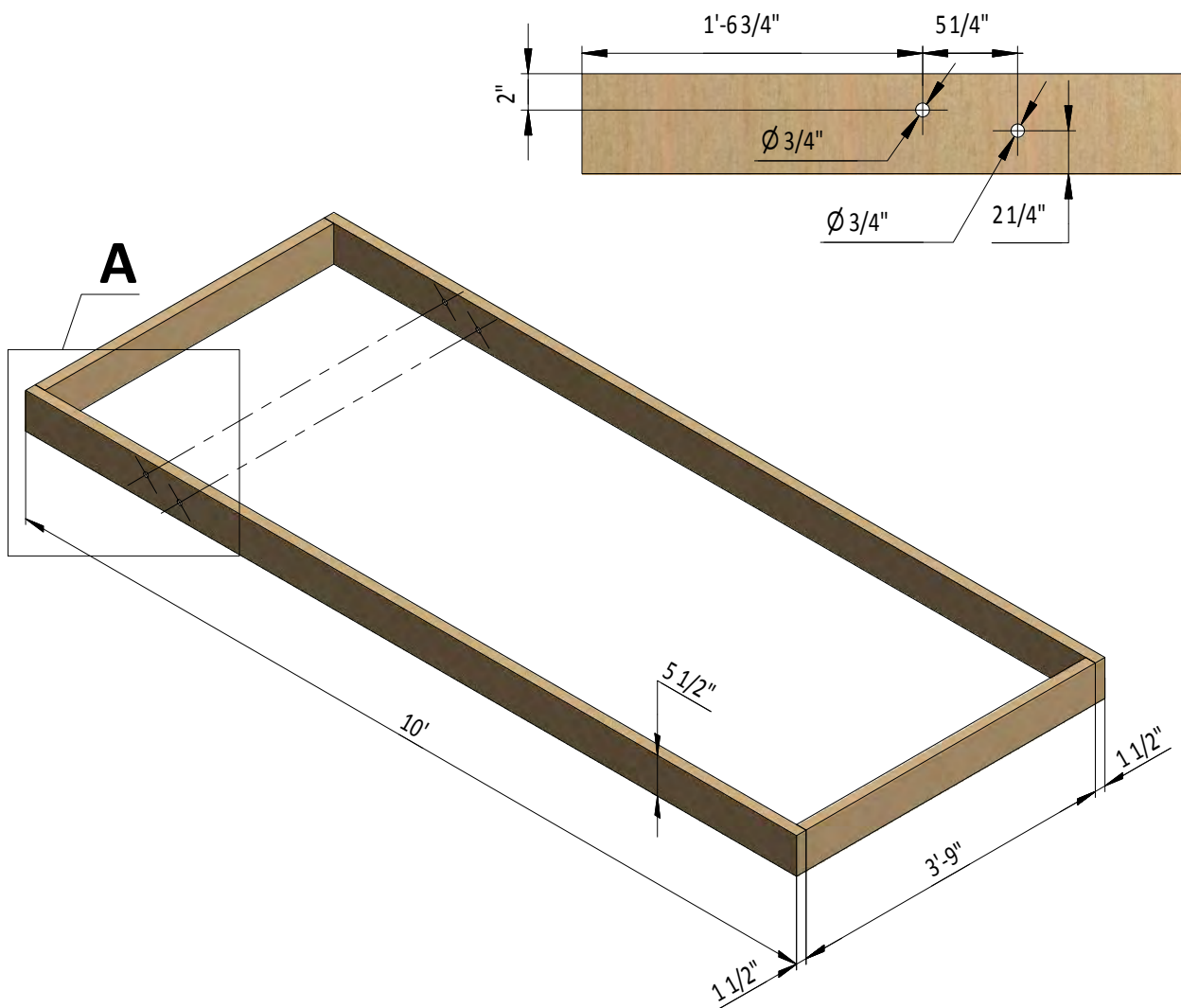
## STEP 1

### Framing The Floor

**1.1** Assemble the frame using 1 1/2" x 5 1/2" pressure-treated material. You will need two boards cut to 10' that will be the rim joist and two boards cut to 3'9" that will be the joist. Drill two holes in each rim joist.

**1.2** Secure the beams with 3x5" screws.

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

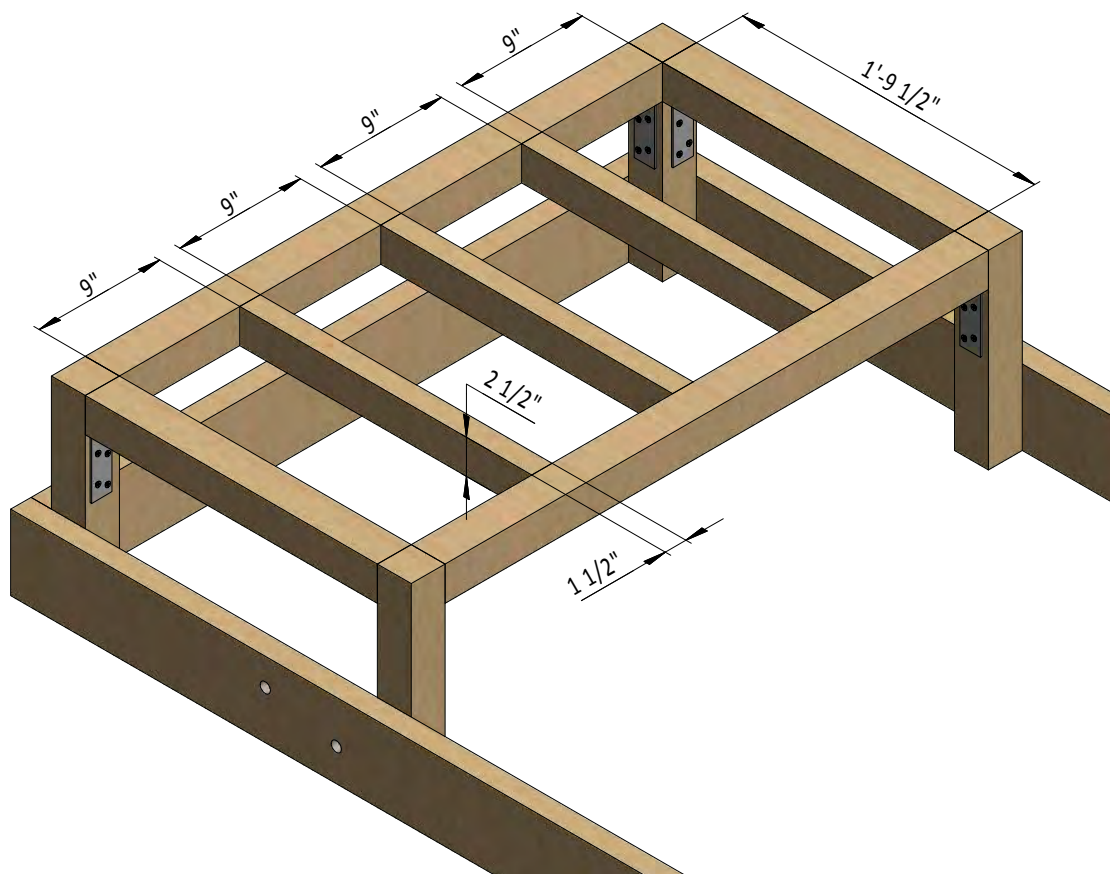


## STEP 2

### Framing The Floor

**2.1** Using 1 1/2 " x 2 1/2 " pressure-treated material, cut three joist using the illustration below as a reference.

**2.2** Secure the joists to the bottom frame with 4x5" wood screws.

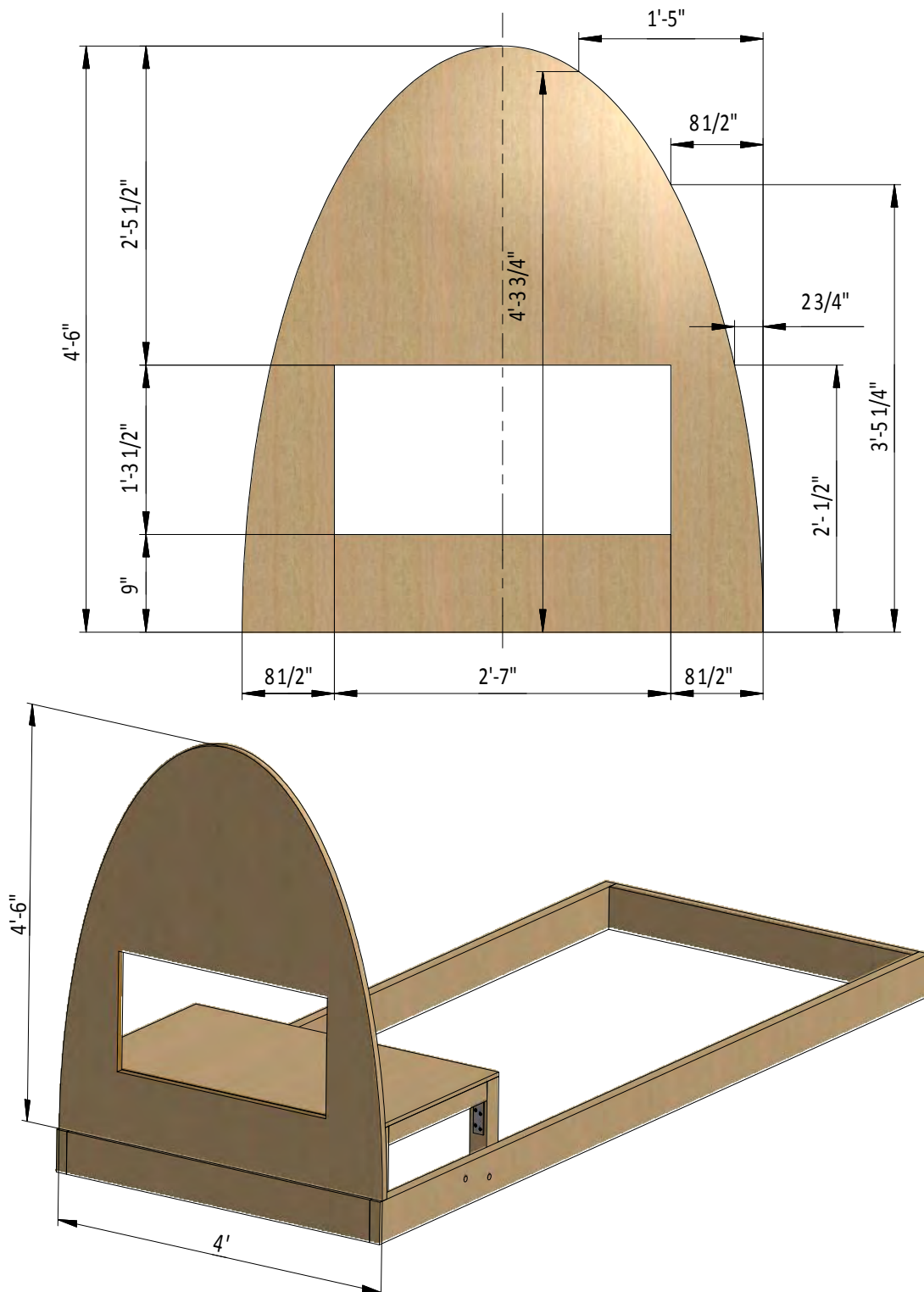


### STEP 3

## Back Wall Installation

**3.1** Prepare the 5/8" plywood for the wall according to the drawing. Use the anchor points to cut a curve line. Cut the opening for nesting box.

### 3.2 Fasten the plywood with 3" wood screws to the studs.

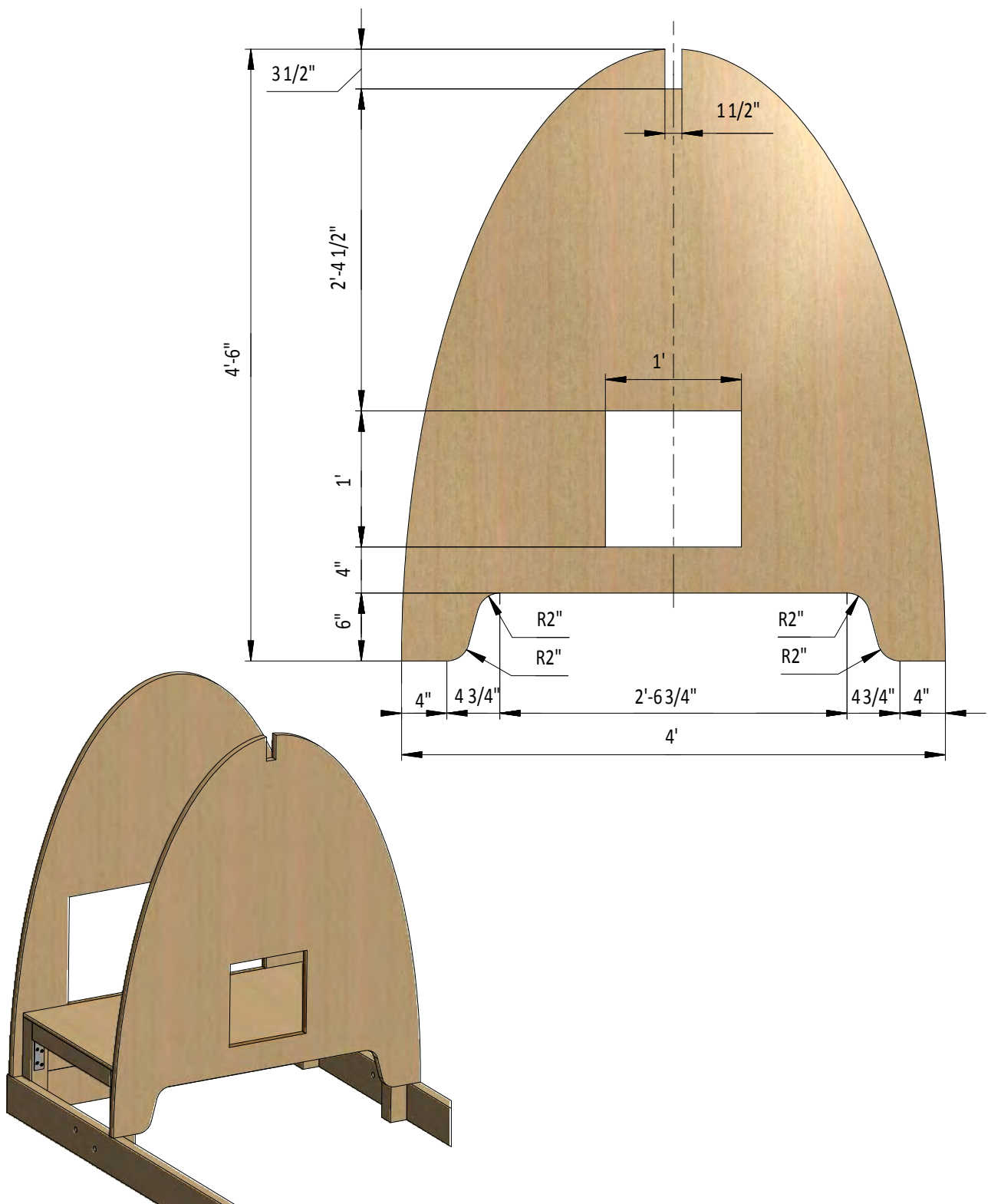


## STEP 4

### Inner Wall Installation

**4.1** Prepare the 5/8" plywood for the inner wall according to the drawing (you can use back wall as a reference). Cut the opening for the chicken door.

**4.2** Fasten the plywood with 3" wood screws to the studs.

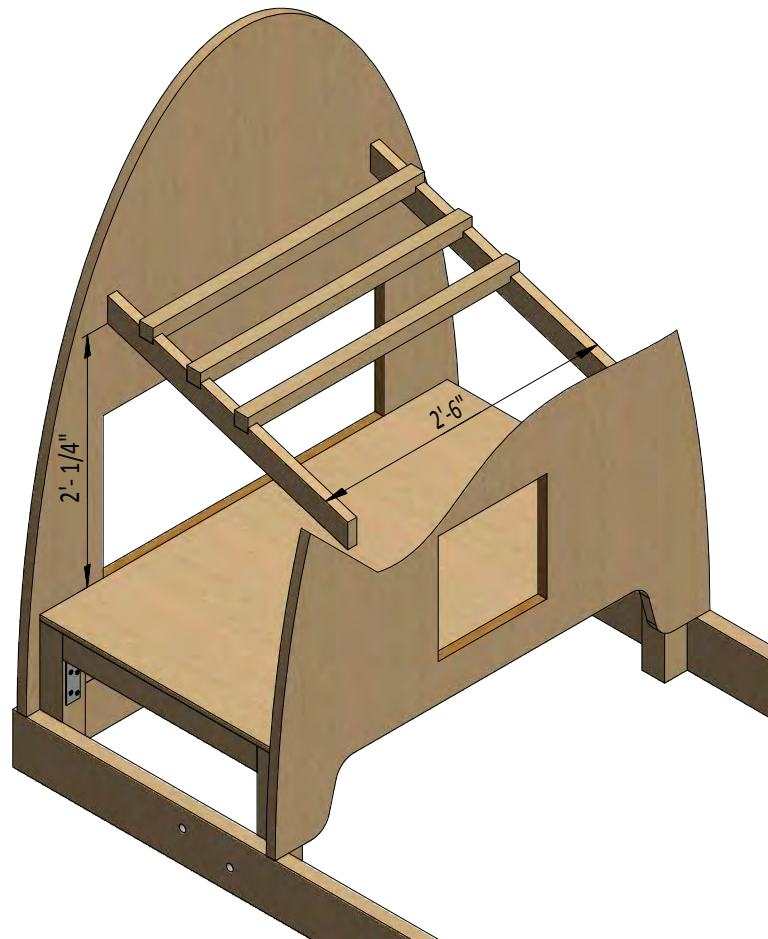


## STEP 5

### Coop's Roost Assembly

**5.1** Fasten the roost frame from the pressure-treated lumber with cross section  $1\frac{1}{2}" \times 2\frac{1}{2}"$  to the walls using 2x2" wood screws according to the drawing.

**5.2** Fasten the stairs from the pressure-treated lumber with cross section  $1\frac{1}{2}" \times 1\frac{1}{2}"$  to the frames inside the coop with 2x2" wood screws.

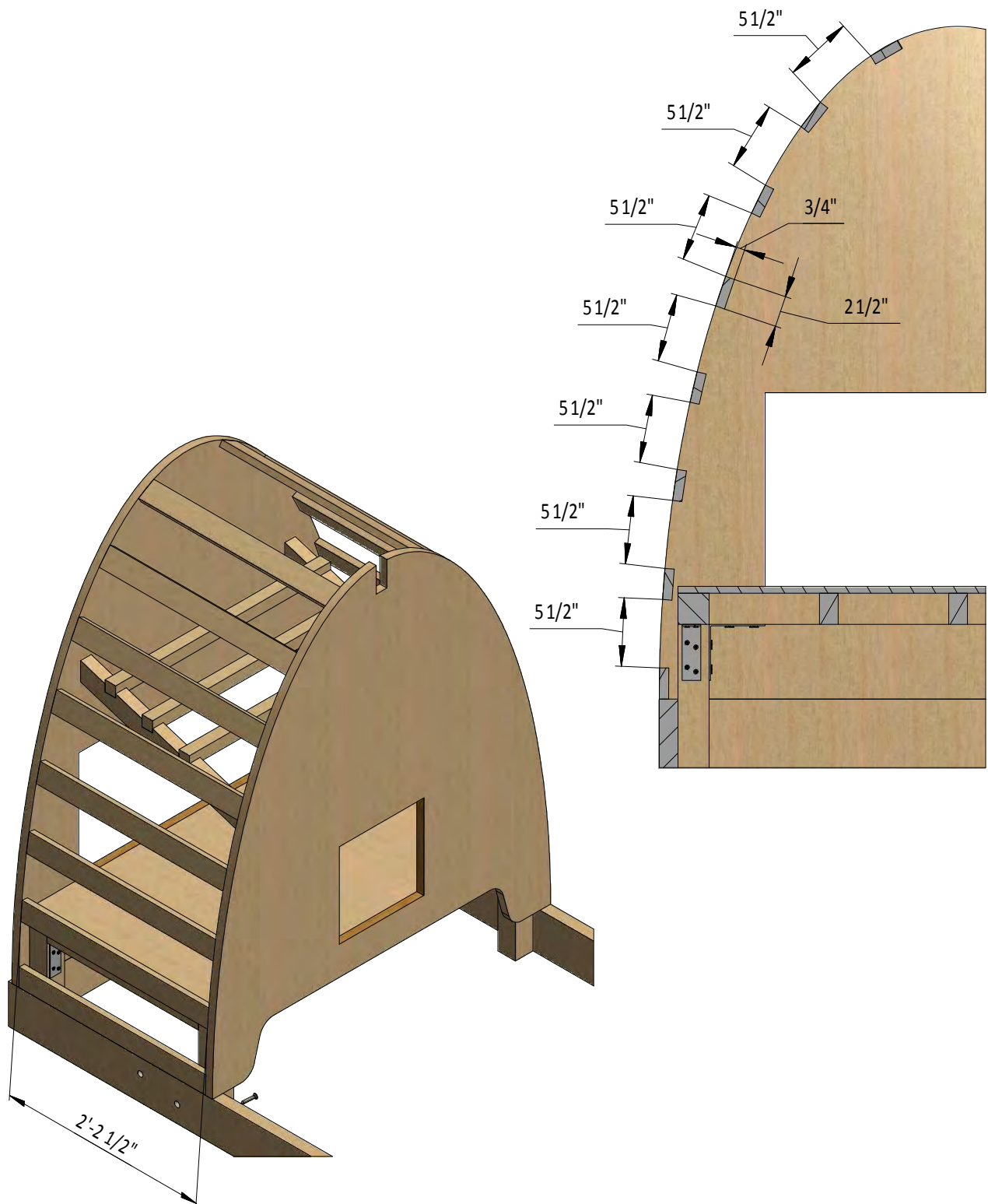


## STEP 6

### Framing The Coop's Roof

**6.1** Using  $\frac{3}{4}$ " x  $2\frac{1}{2}$ " pressure-treated material, cut 16 rafters and attach them using the illustration below as a reference.

**6.2** Secure the rafters with 2x2" wood screws.



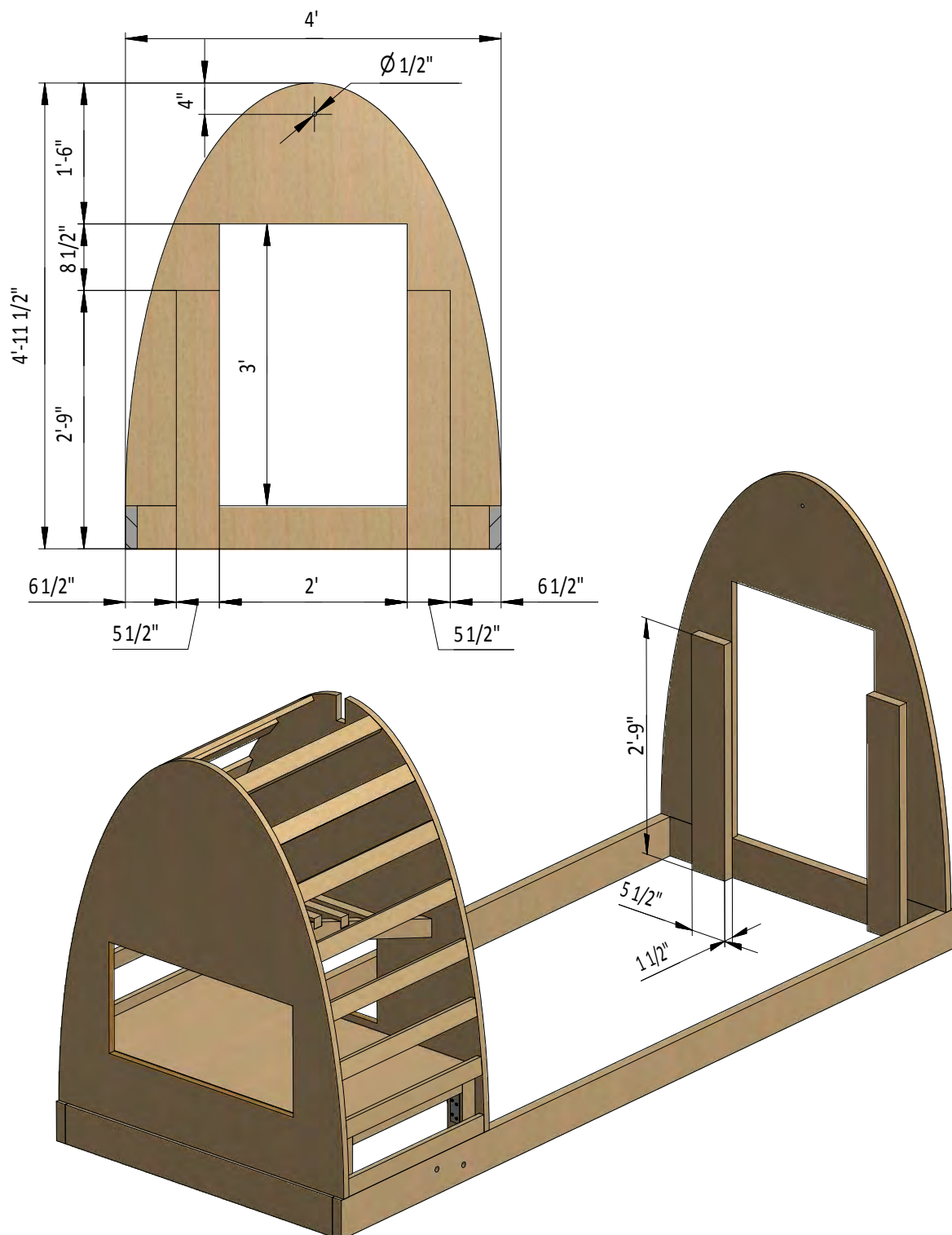
## STEP 7

### Front Wall Installation

**7.1** Prepare the 5/8" plywood for the front wall according to the drawing (you can use back wall as a reference). Cut the opening for the door. Drill a hole above the door.

**7.2** Using 1 1/2" x 5 1/2" pressure-treated material, cut two studs and assemble using the illustrations below as a reference.

**7.3** Fasten the plywood with 3" wood screws to the studs.



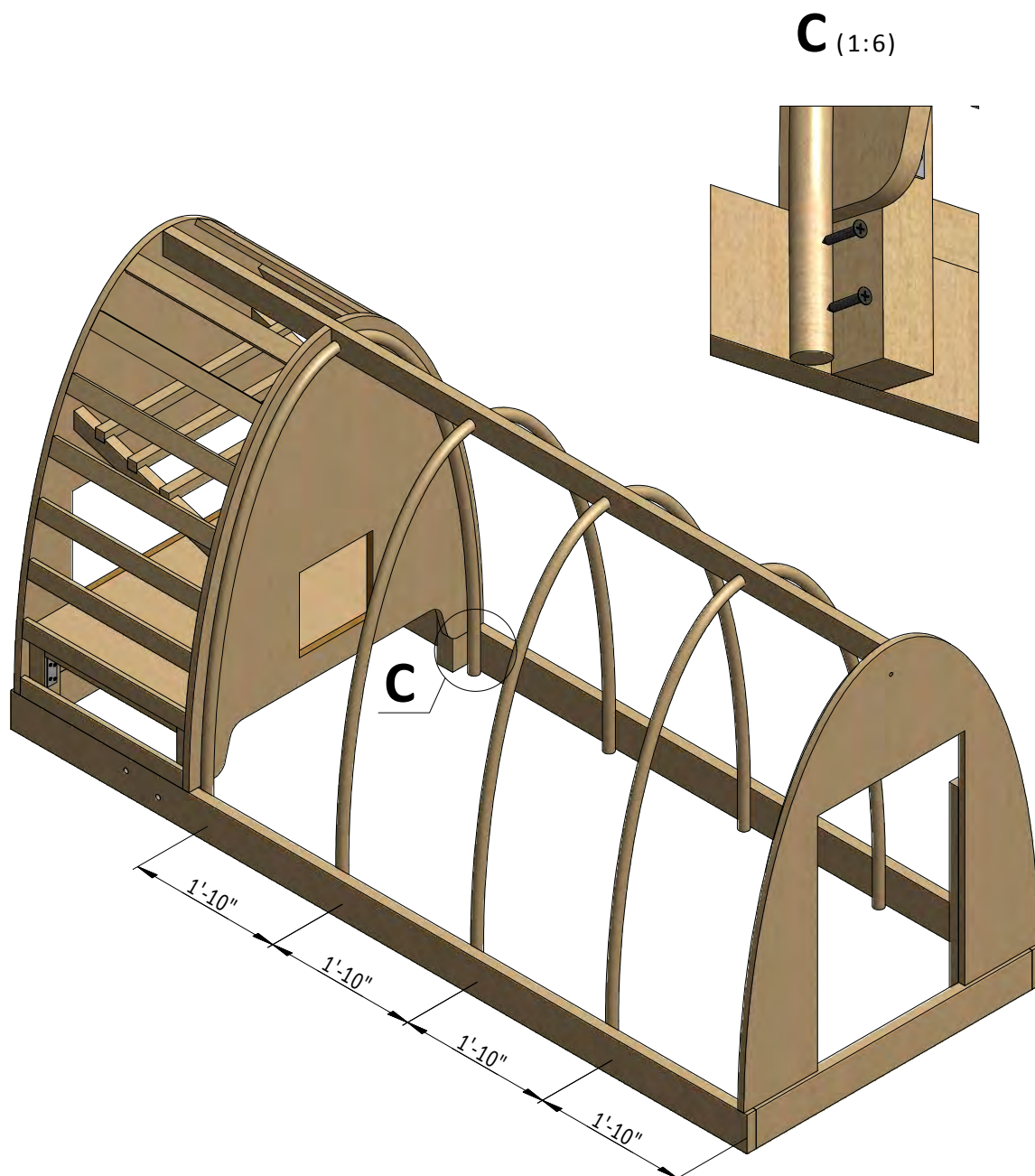
## STEP 8

### Aviary framing

8.1 Prepare the 1 1/2" PVC tubes for wire mesh supporting 11' long.

8.2 Wind pipes in the holes in the ridge board.

8.3 Fasten the pipe's ends with 3" wood screws to the bottom frame (node C).



## STEP 9

### Nesting Box Assemble

**9.1** Using 1 1/2 " x 1 1/2 " and 1 1/2 " x 2 1/2 " pressure-treated material, assemble the frame for the nesting box using the illustration below as a guide. Make sure to take note of the 11 degree slope needed for the roof of the nesting box.

**9.2** Cover the frame with 1/2" plywood and secure with 2" wood screws. Provide the opening for the door in the front panel.

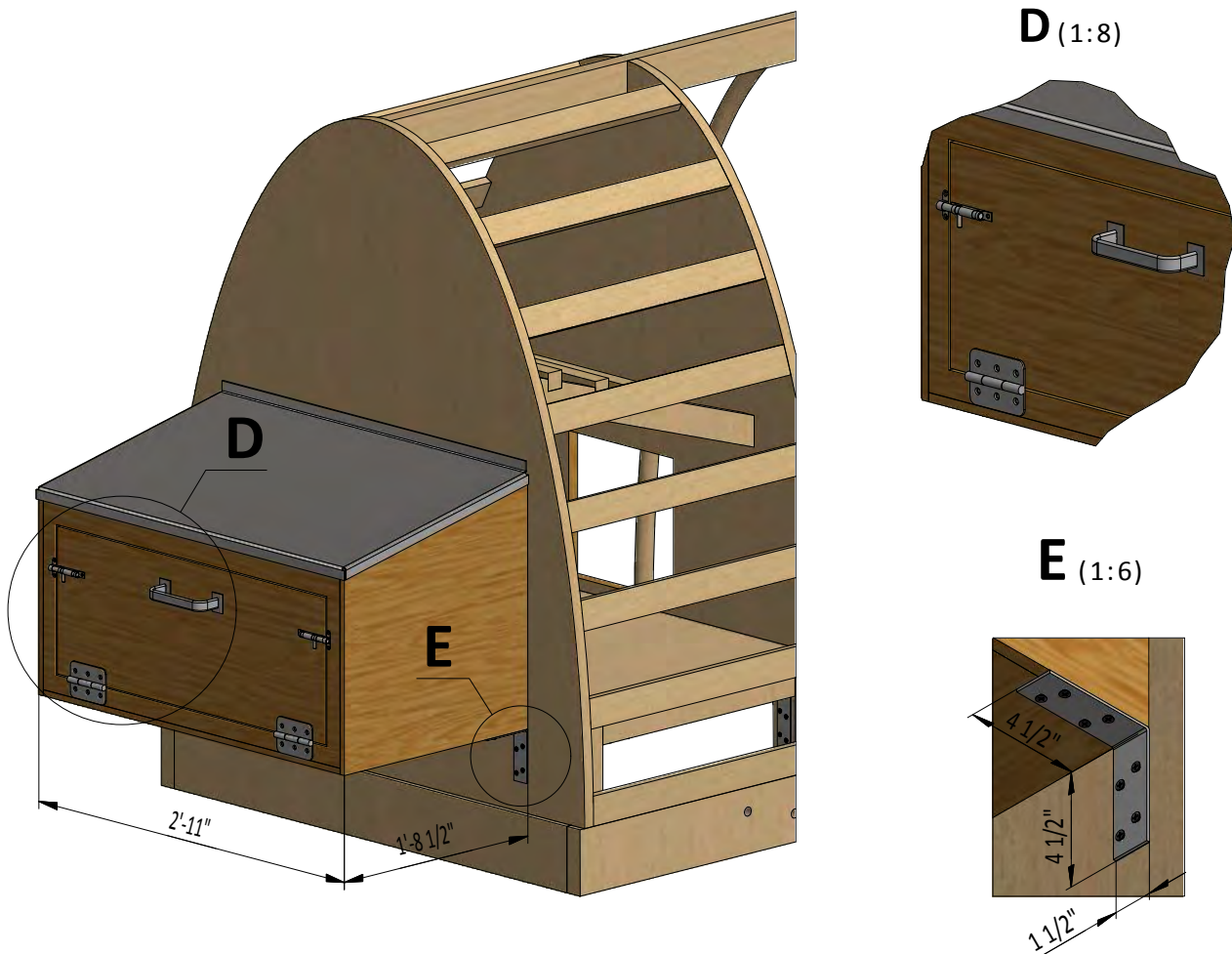
**9.3** Assemble the door frame using 1 1/2 " x 1 1/2 " material according to the illustration and cover the frame with 1/2" plywood and secure with 2" wood screws.

**9.4** Install two 3" door hinges using 6x1" wood screws. Finish the door installation by attaching 2x4" surface bolt and 6" door pull (node **D**).

**9.5** Using cutting scheme on page 22 prepare the sheet metal (23 Gauge) by making the indicated cuts and bends.

**9.6** Use 1 1/2" sheet metal screws and neoprene washers to secure the roofing.

**9.7** Install nest box assemblies with the help of two corner braces and 8x1" wood screws (node **E**). Connect the box frame and coop's back wall by 3" wood screws.



## STEP 10

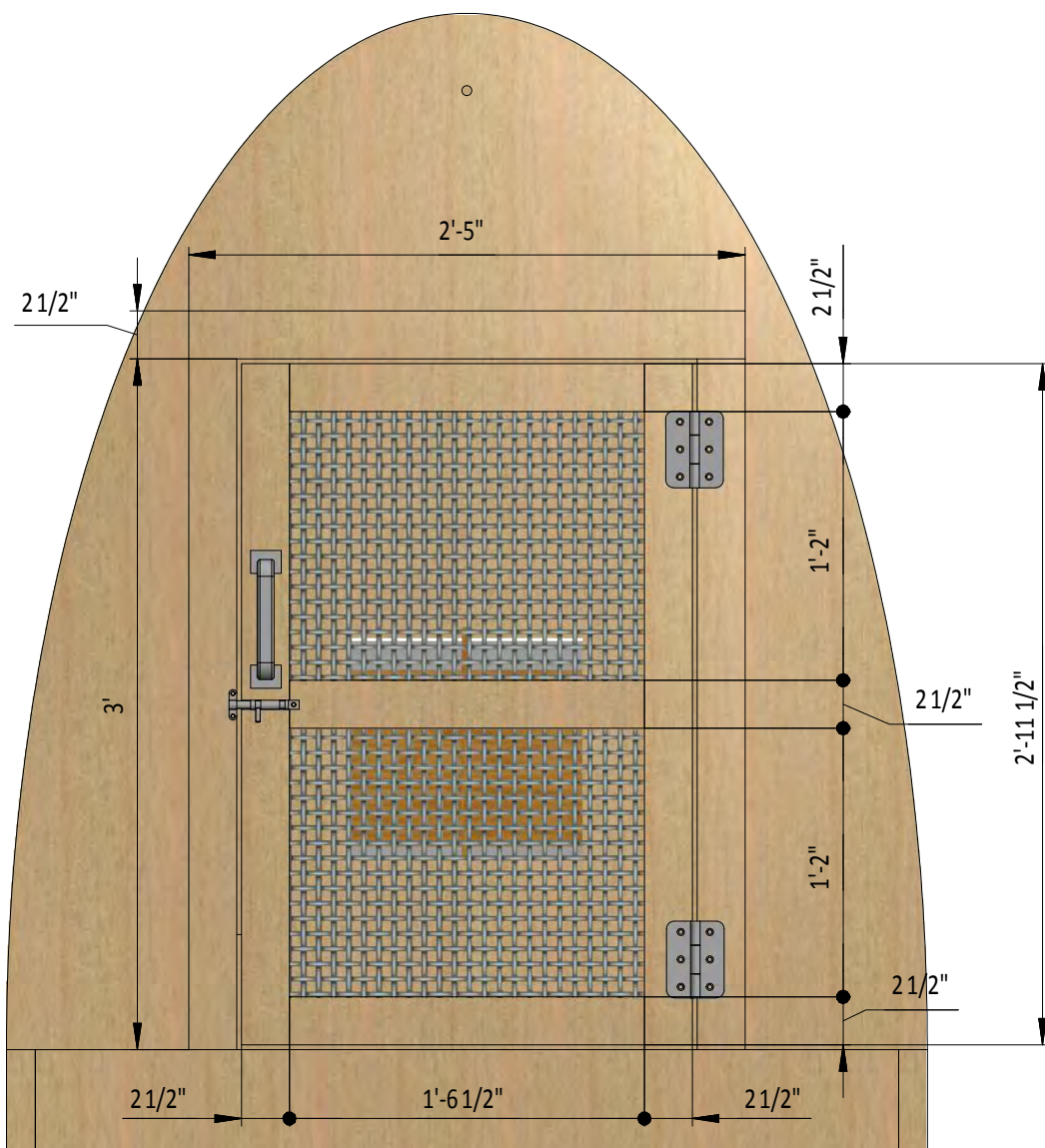
### Aviary's Door Assemble And Installation

**10.1** Assemble the frame from the pressure-treated lumber with cross section  $1\frac{1}{2}" \times 2\frac{1}{2}"$  with 2x5" wood screws according to the drawing.

**10.2** Prepare  $\frac{1}{4}"$  wire mesh in the required quantity and install it on the inner side of the frame with the help of industrial stapler.

**10.3** Install door trims from the pressure-treated lumber with cross section  $\frac{3}{4}" \times 2\frac{1}{2}"$  with 2" wood screws on the front wall according to the drawing.

**10.4** Install two 3" door hinges using 6x2" wood screws. Finish the door installation by attaching 4" surface bolt and 6" door pull.

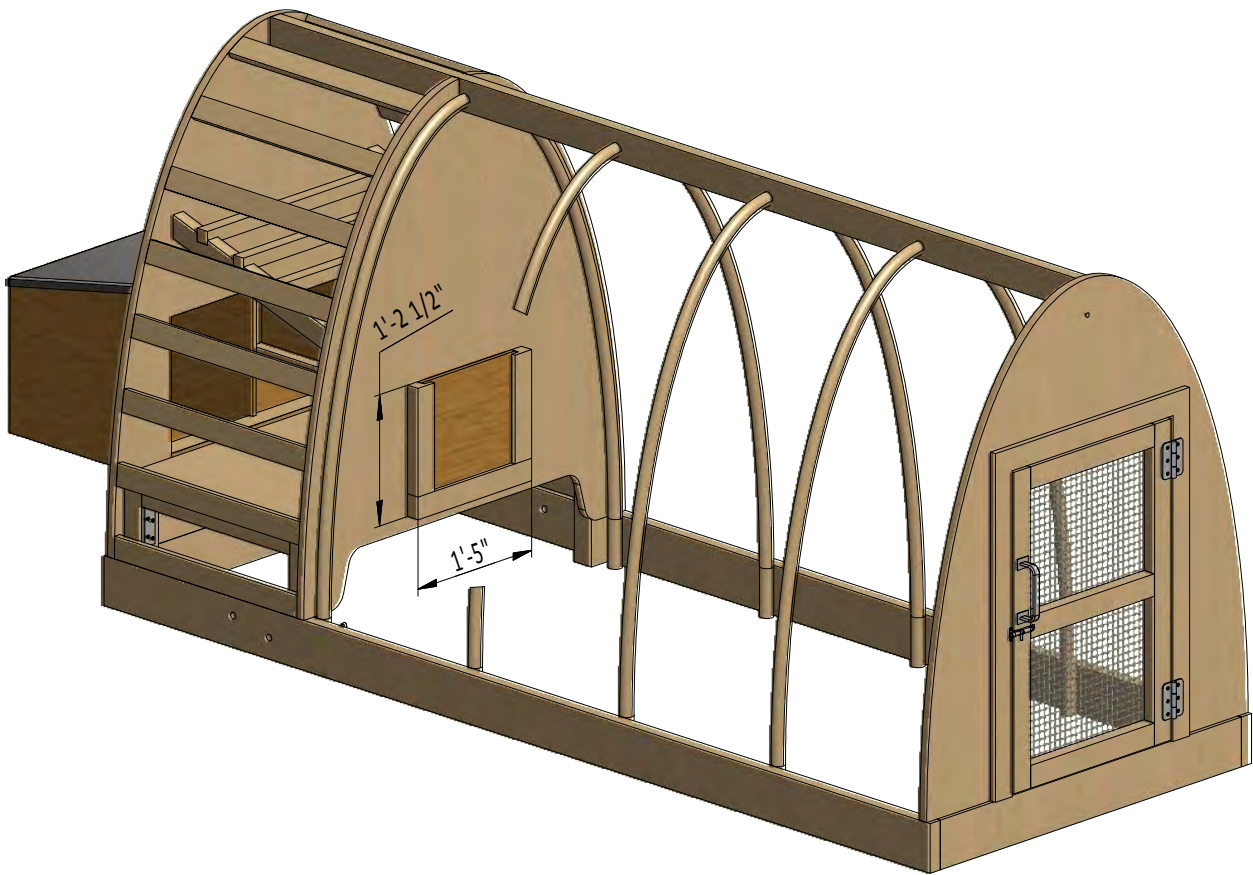


## STEP 11

### Inner Right Wall Assemble And Installation

**11.1** Provide and install channels from the beams with cross section  $1\frac{1}{2}" \times 2\frac{1}{2}"$ .

**11.2** Prepare the  $\frac{5}{8}"$  plywood for the door according to the drawing.



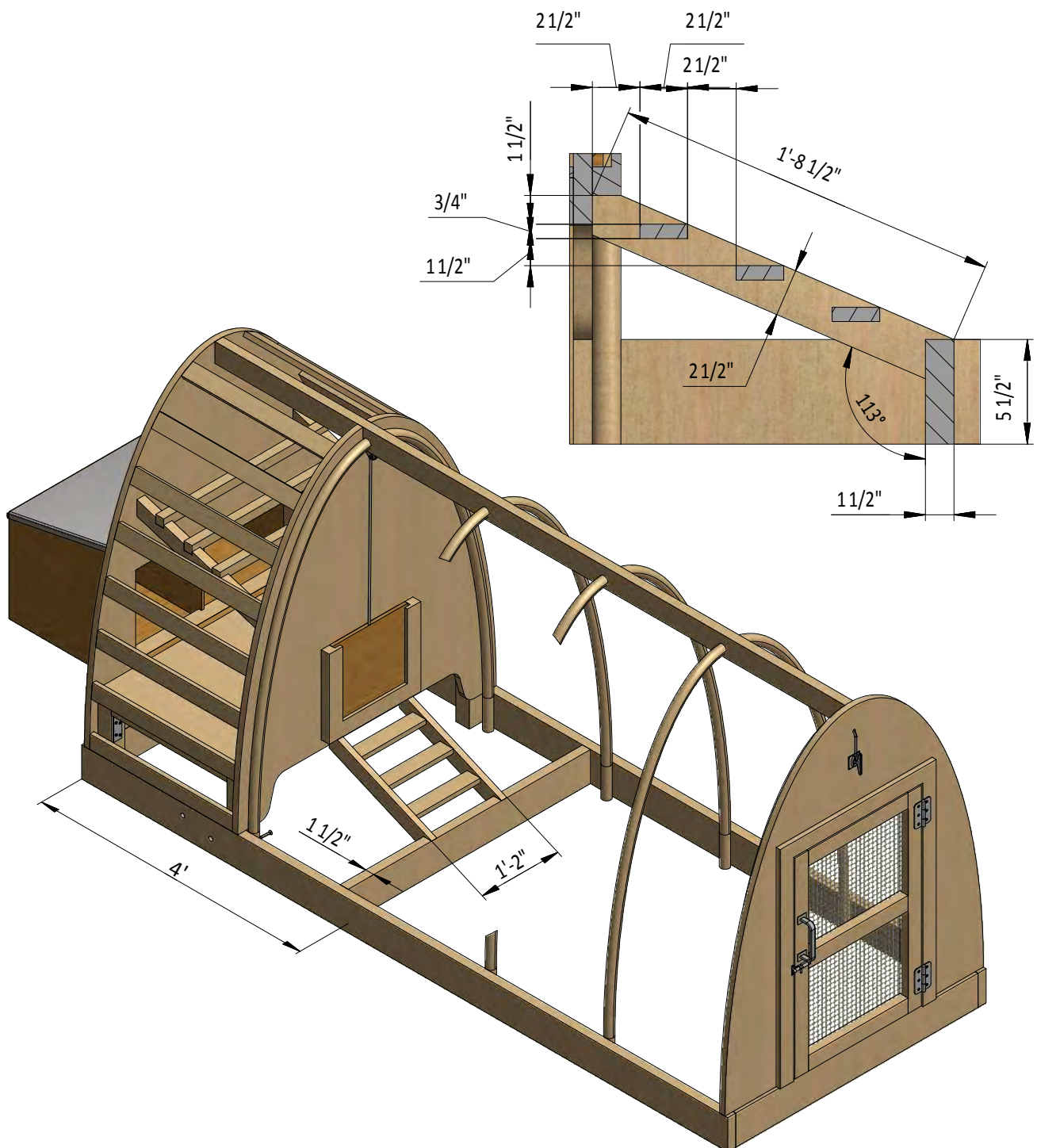
## STEP 12

### Aviary's Stairs Assembly

**12.1** Install joist from the pressure-treated lumber with cross section  $1\frac{1}{2}" \times 5\frac{1}{2}"$  to the bottom frame with  $4 \times 3"$  wood screws.

**12.2** Assemble the stairs from the pressure-treated lumber with cross section  $1\frac{1}{2}" \times 2\frac{1}{2}"$  and  $\frac{3}{4}" \times 2\frac{1}{2}"$  with  $2 \times 2"$  wood screws according to the drawing.

**12.3** Fasten the stairs to the wall inside the coop with  $2 \times 2"$  wood screws.

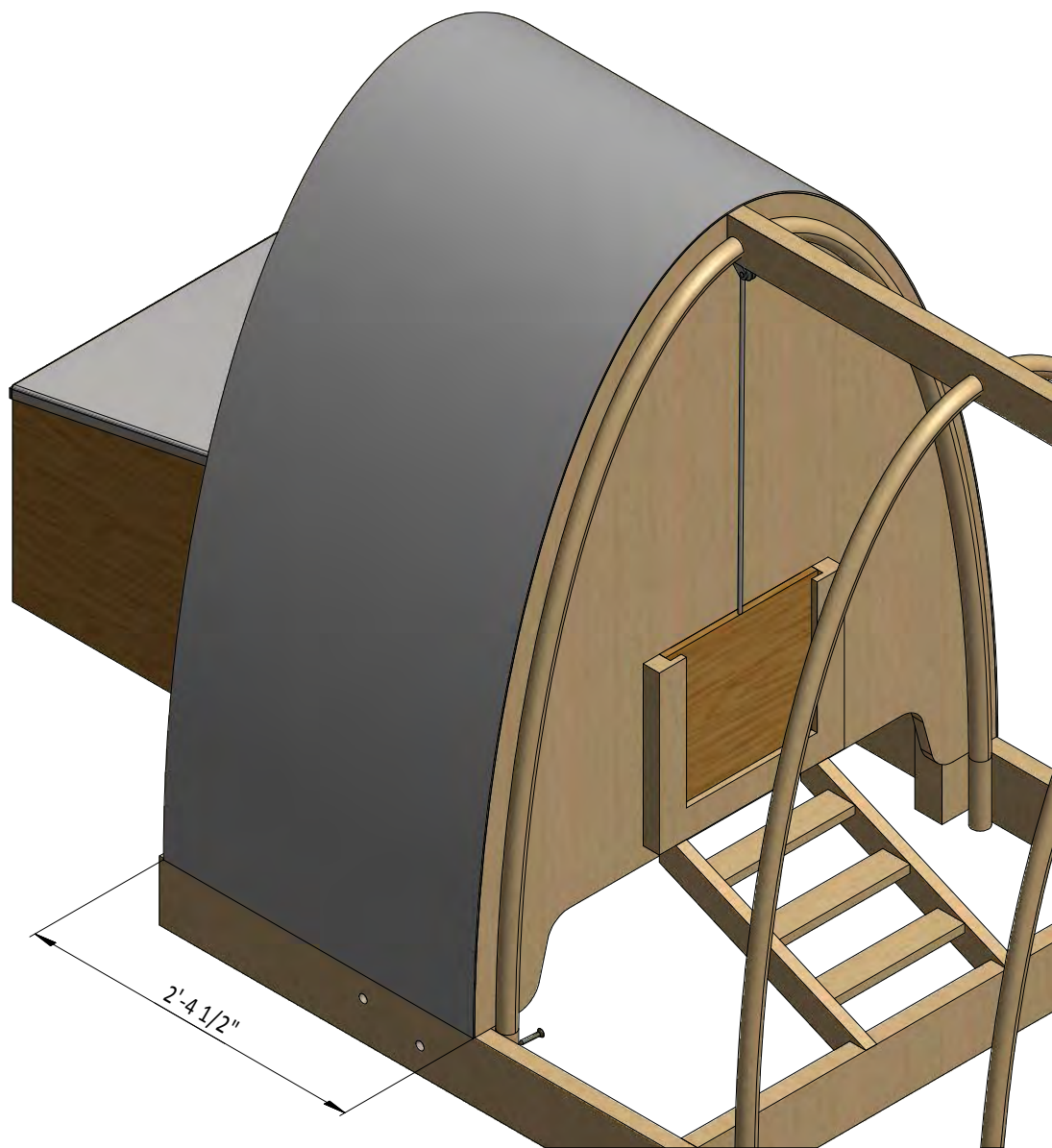


## STEP 13

### Install the Metal Roofing

**13.1** Prepare the sheet metal (23 Gauge) with dimensions: 2'-4 1/2" x 10'-7 1/2"

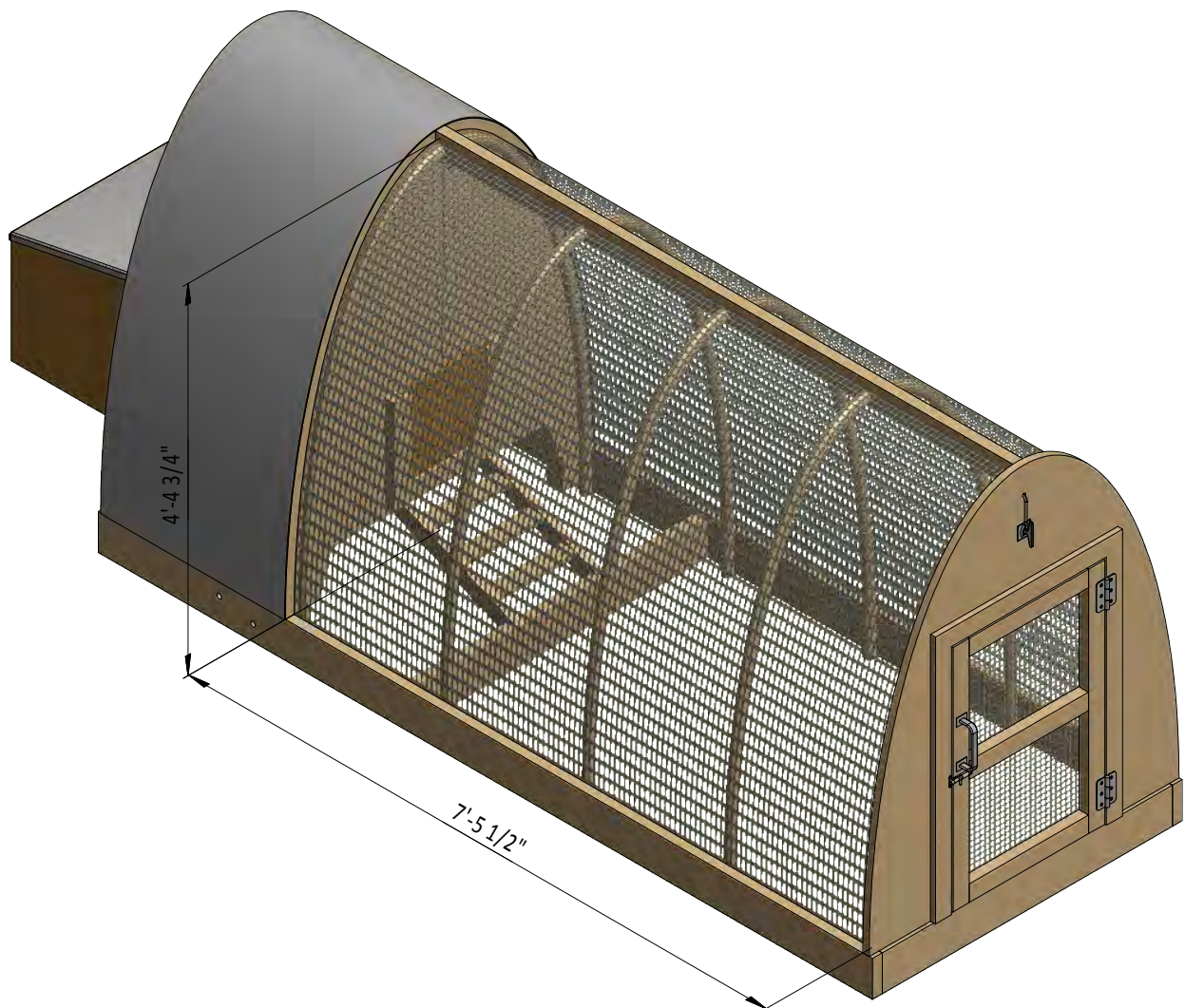
**13.2** Use 1 1/2" sheet metal screws and neoprene washers to secure the roofing.



## STEP 14

### Aviary's Mesh Wall Installation

**14.1** Prepare 1/4" wire mesh in the required quantity and install it on the pipes and ridge board with the help of industrial stapler.



## STEP 15

### Final touches

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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Additional Illustrations	X	✓
Additional Blueprints	X	✓
Tools List	X	✓
Fastening Elements List	X	✓
Technical Support	X	✓

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