



4'x12' Chicken Coop Plan

Up to 10 chickens



Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	20	35
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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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

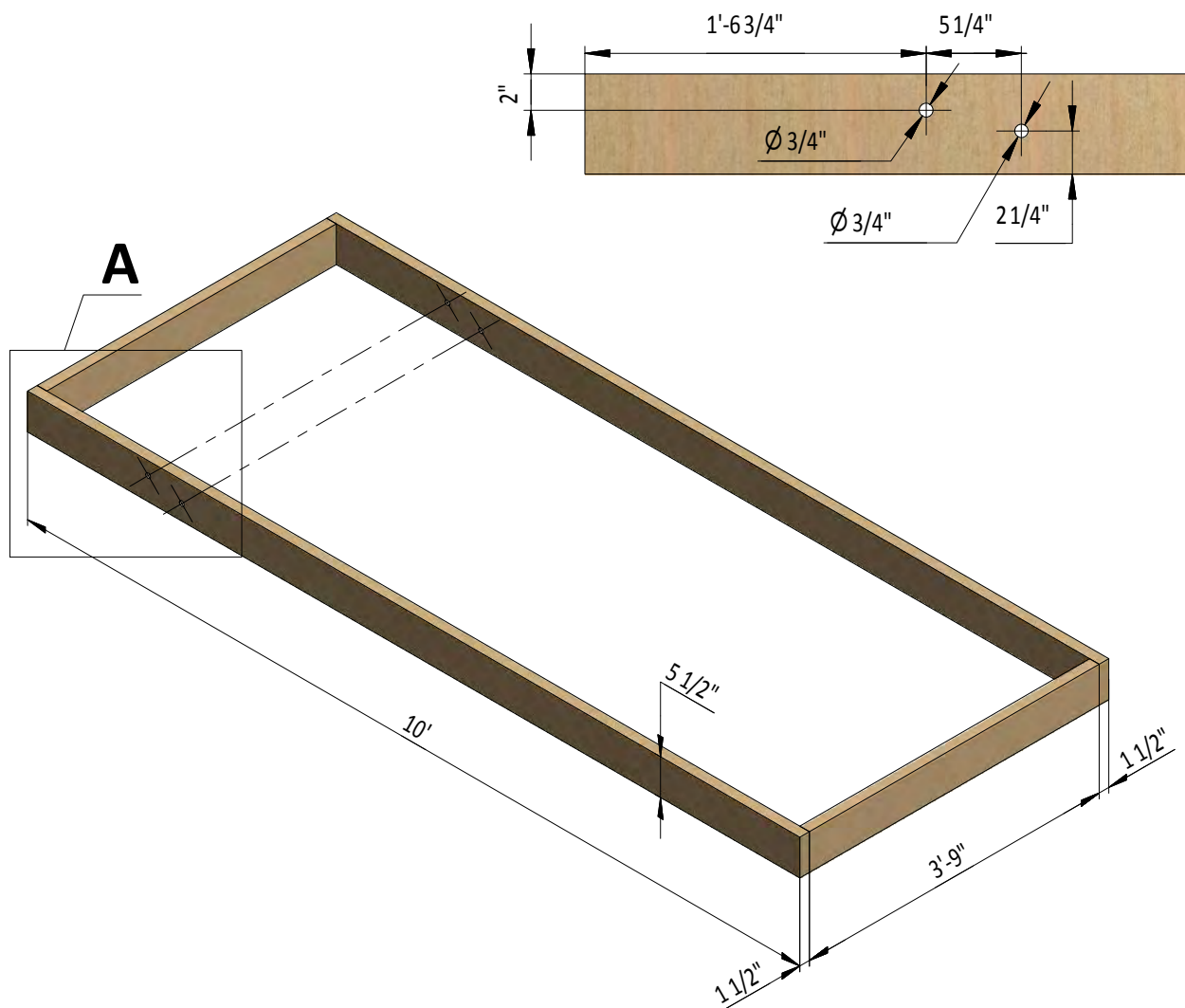
STEP 1

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.

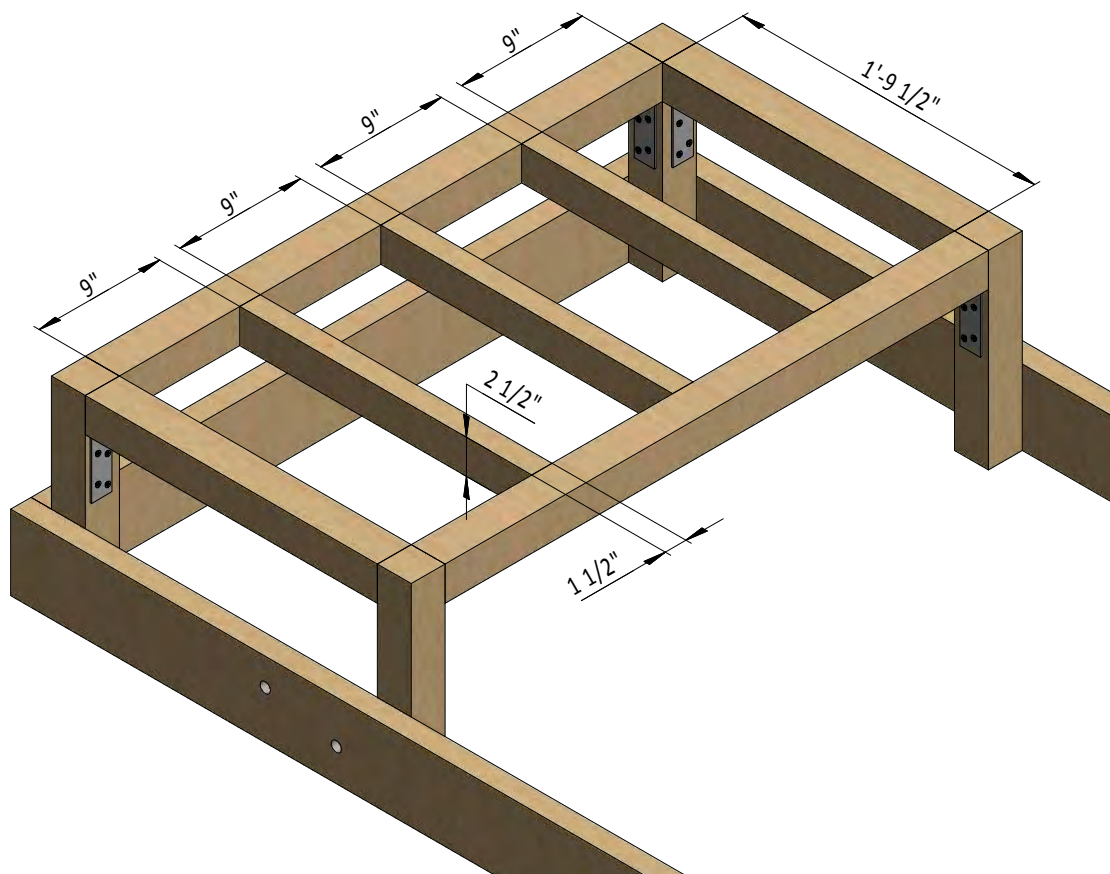


STEP 2

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.

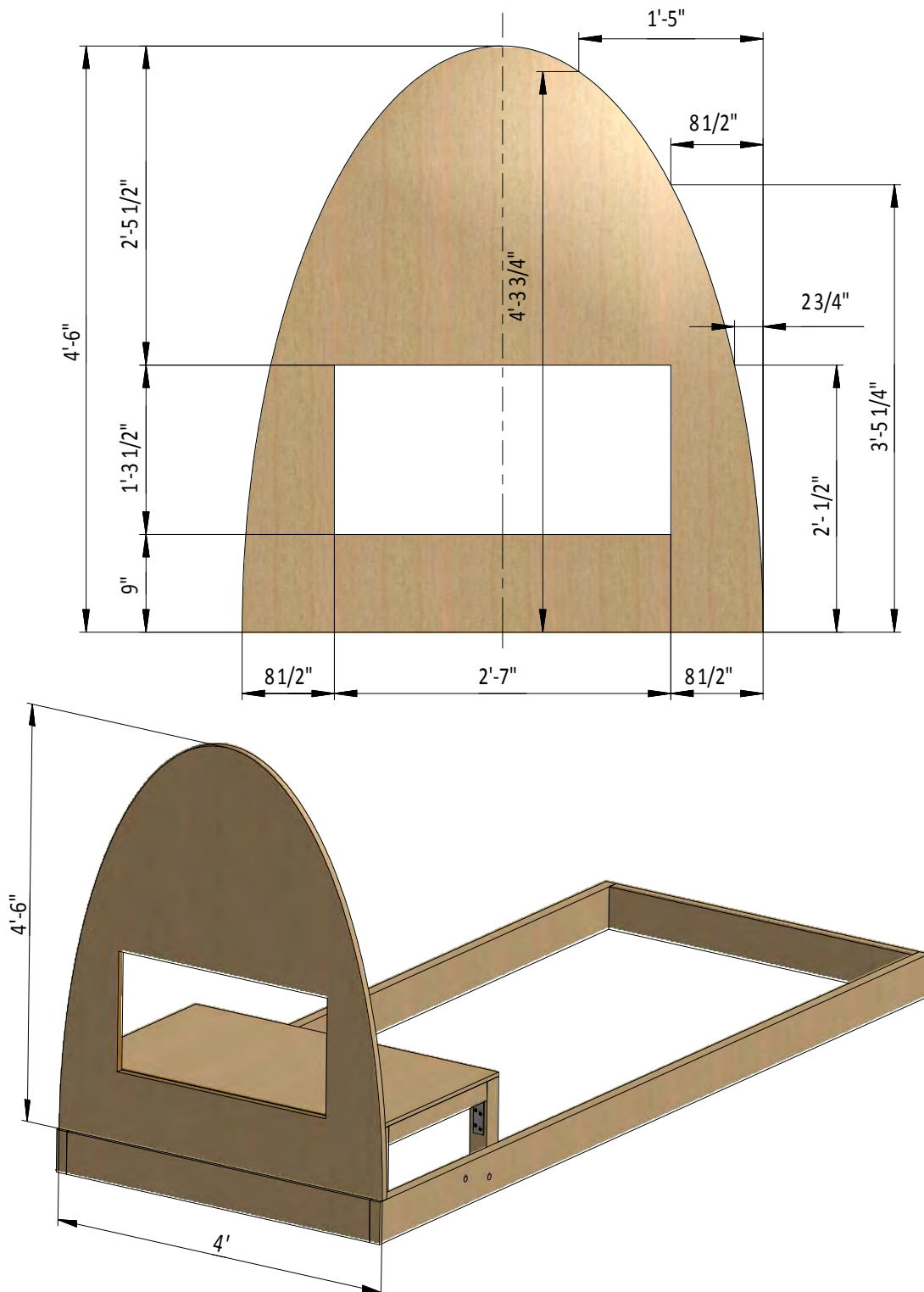


STEP 3

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.

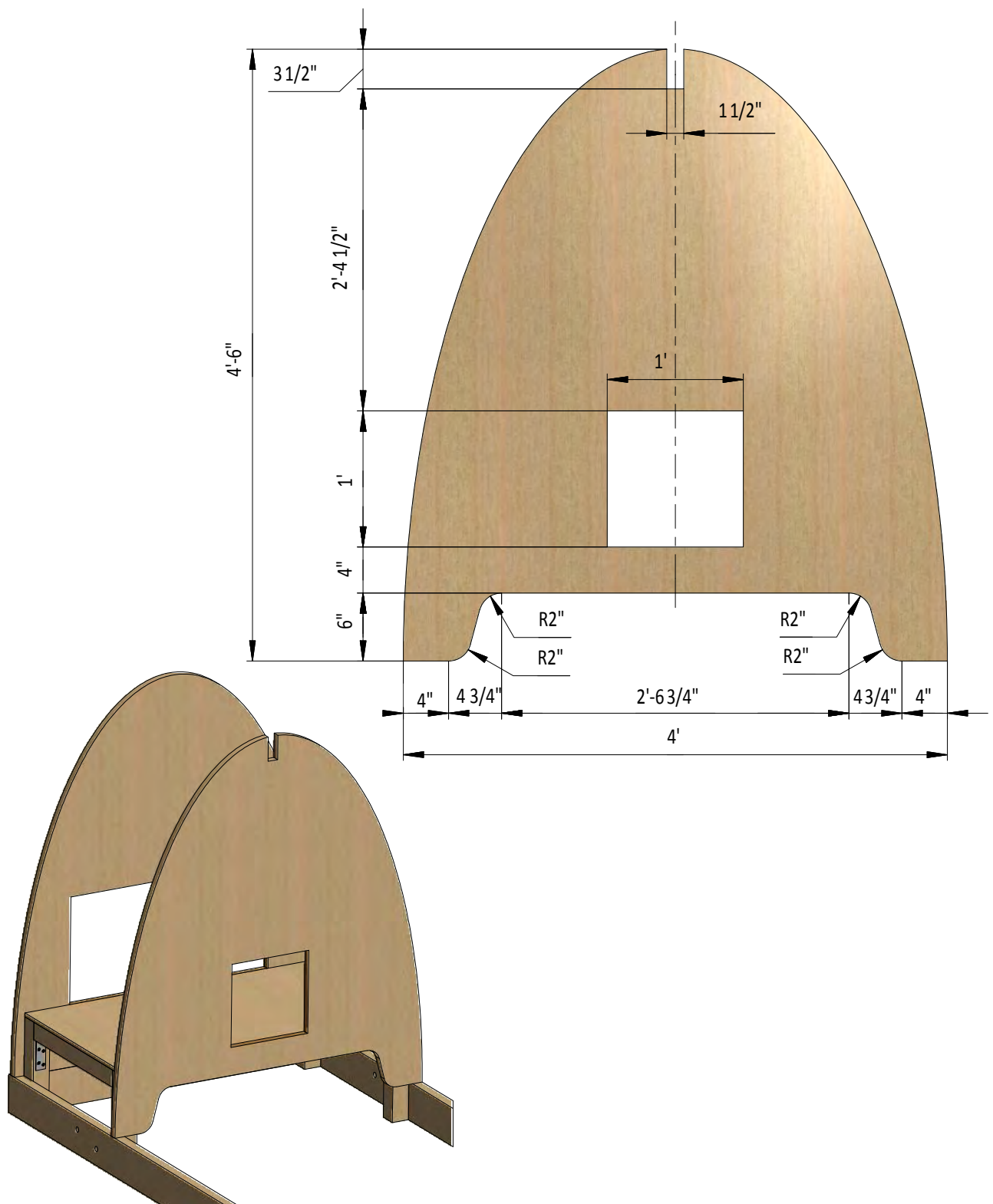


STEP 4

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.

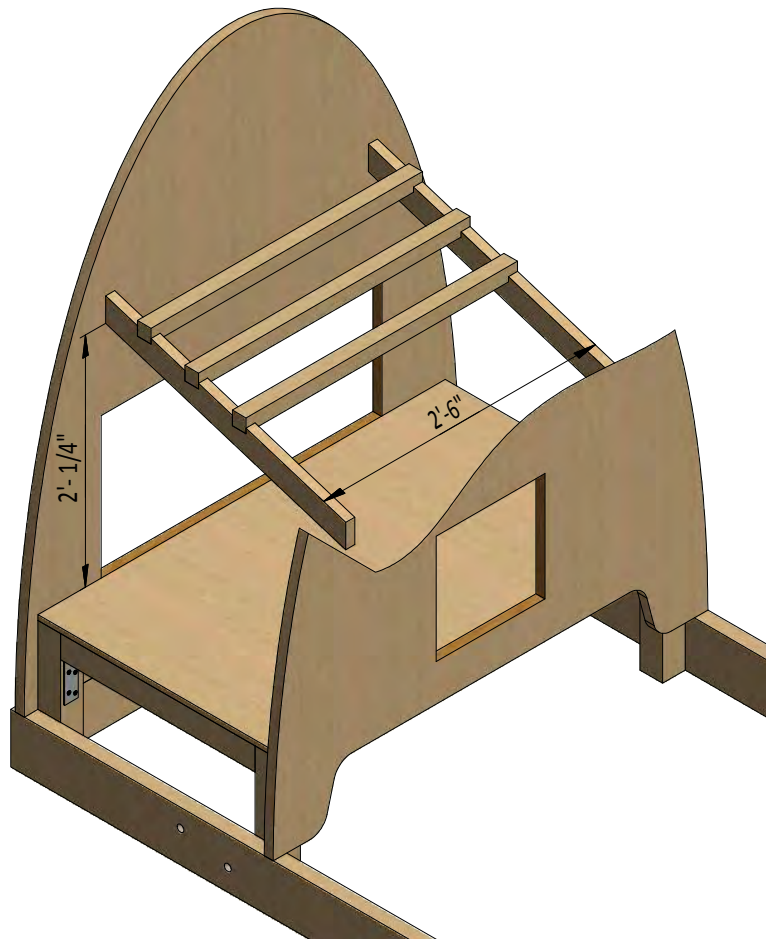


STEP 5

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 $2 \times 2"$ 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 $2 \times 2"$ wood screws.

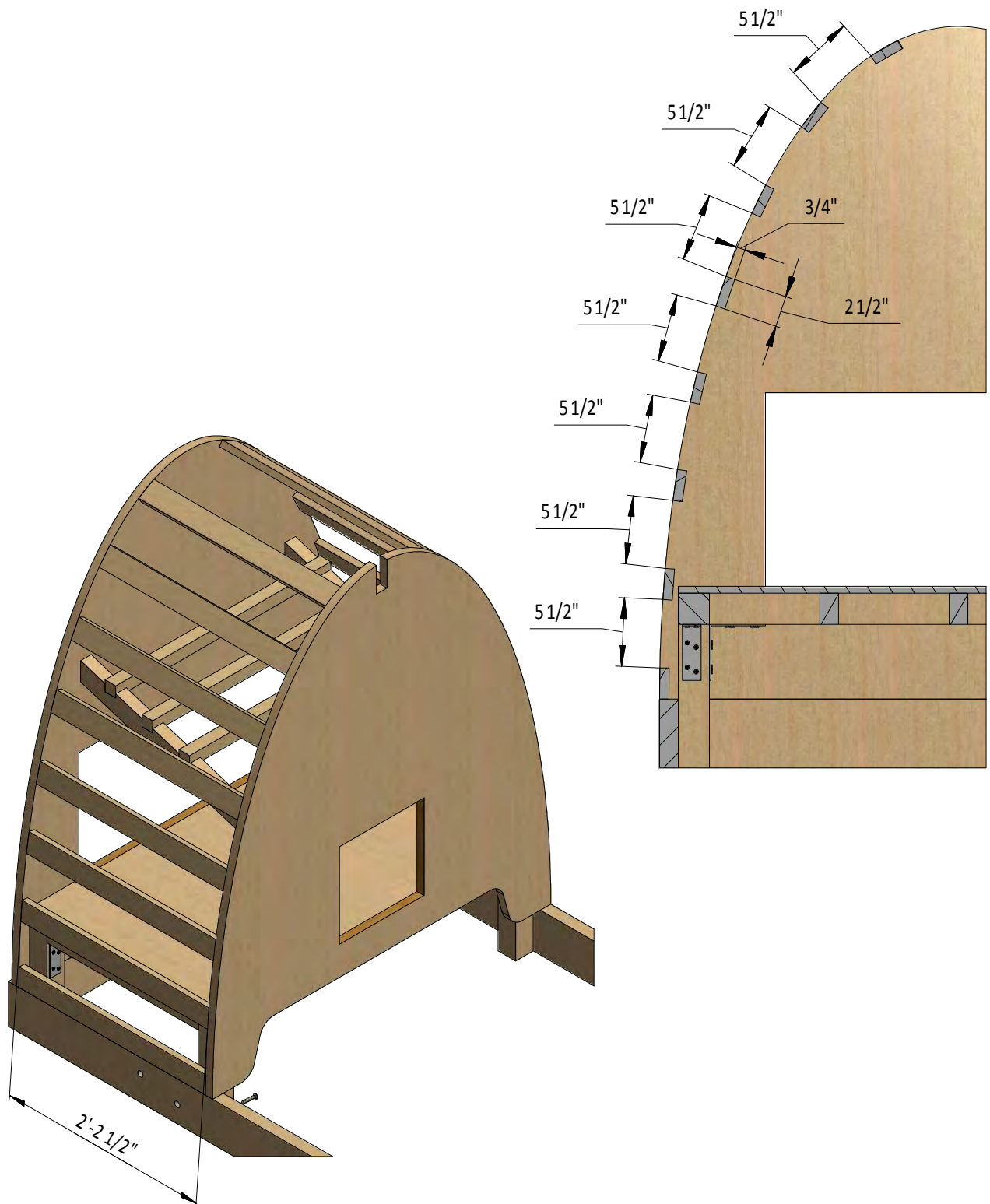


STEP 6

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.



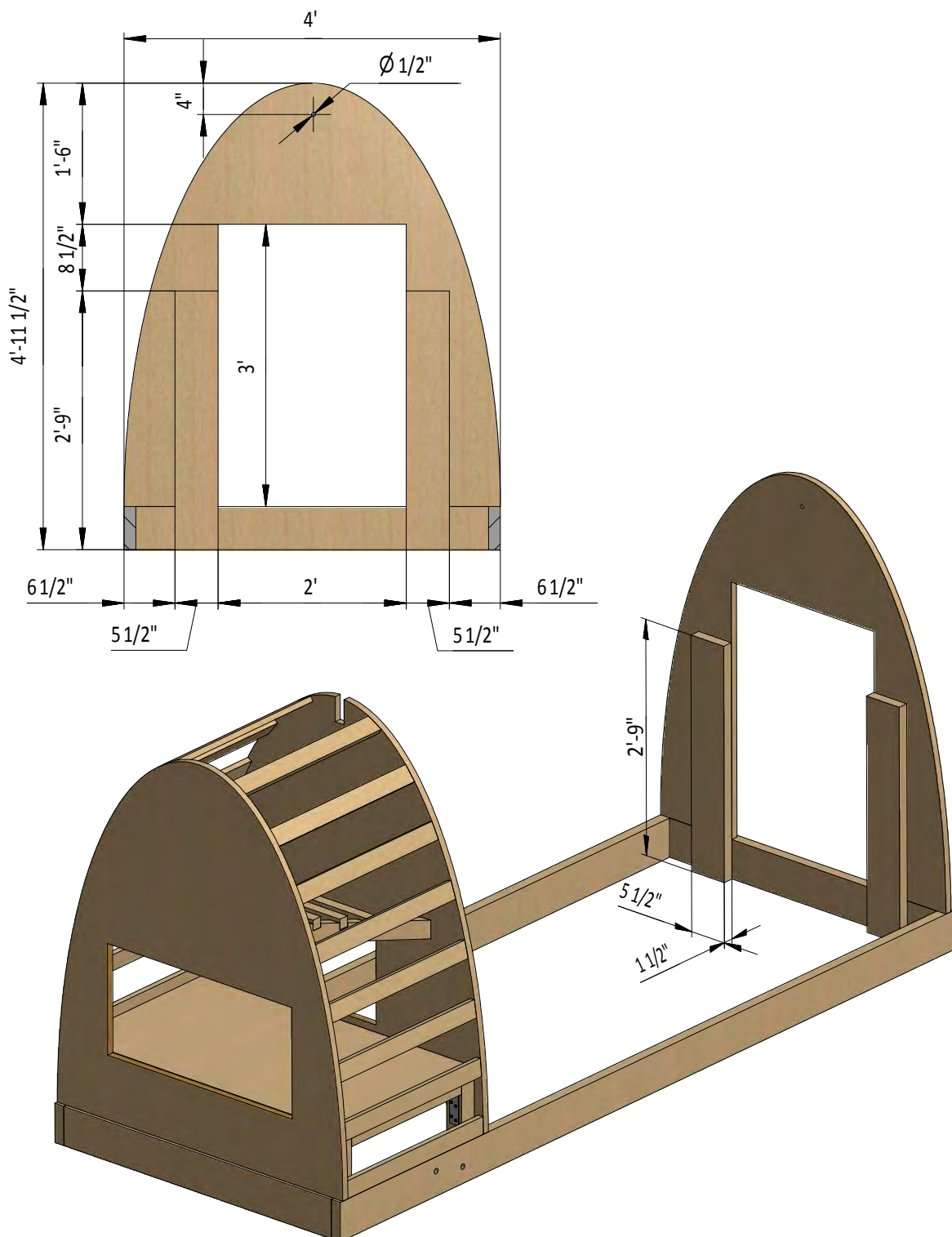
STEP 7

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.



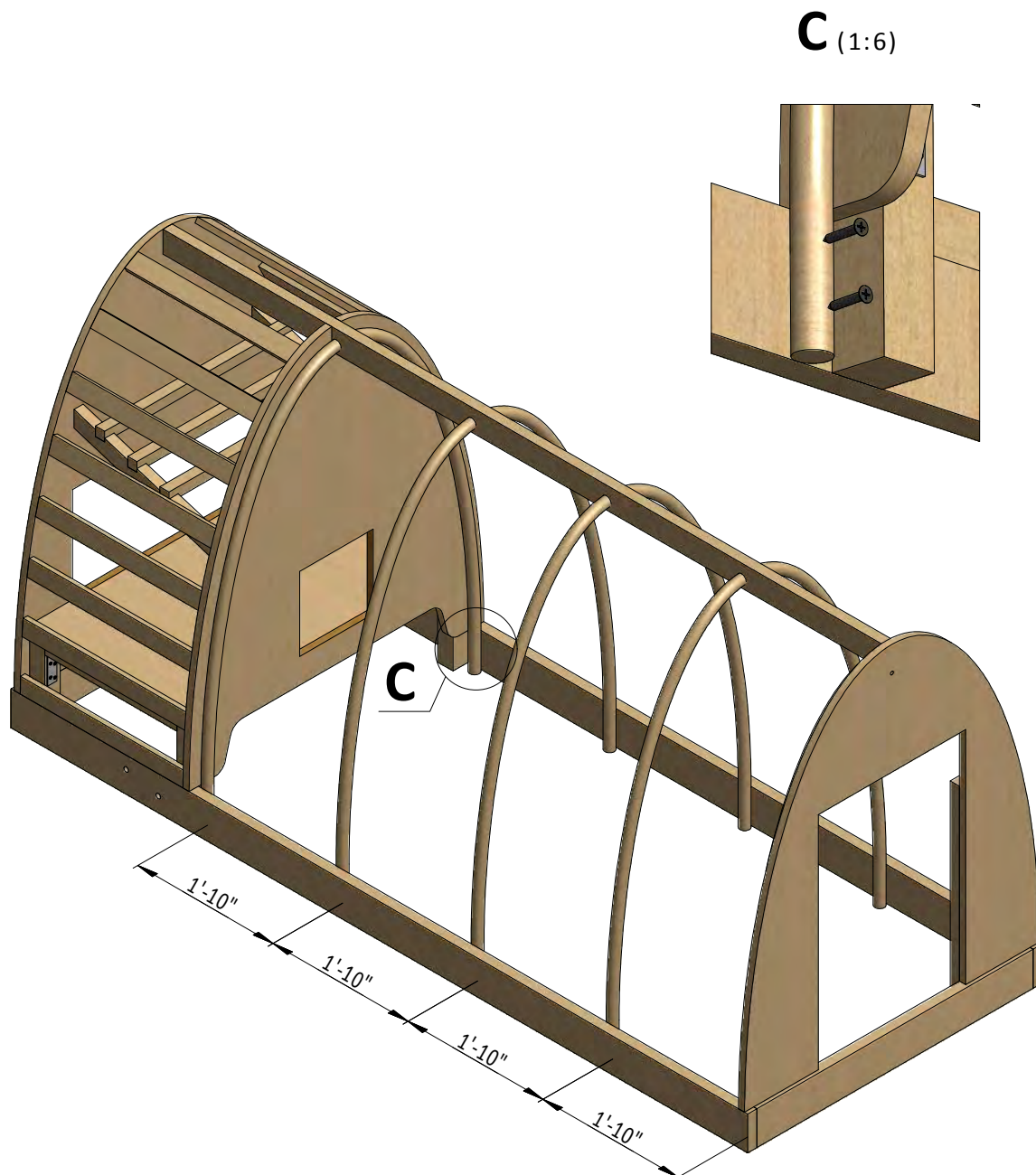
STEP 8

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.

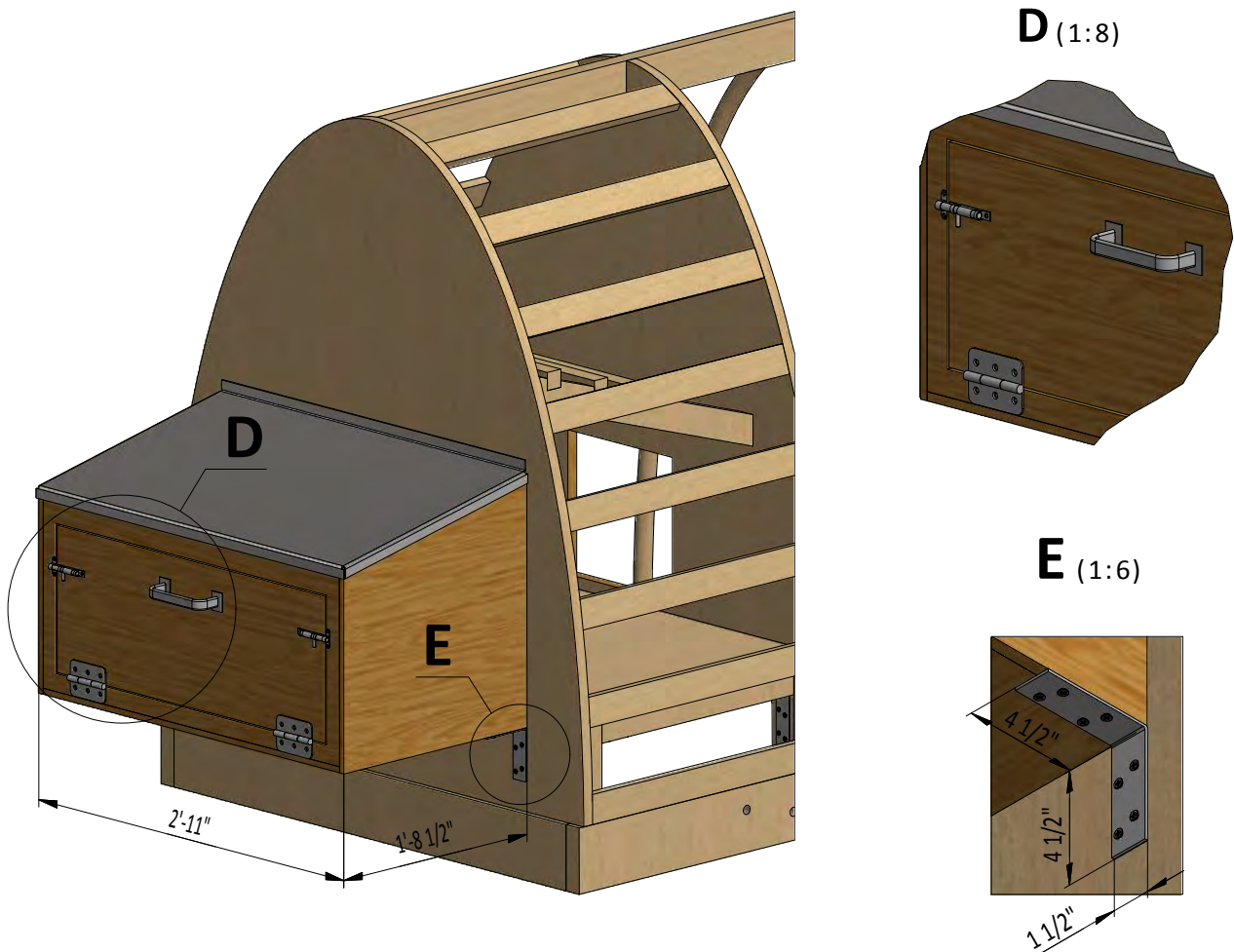
9.3 Assemble the door frame using 1 1/2 " x 1 1/2 " material according to the illustration and cover the frame with 1/2" plywood and secure with 2" wood screws.

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

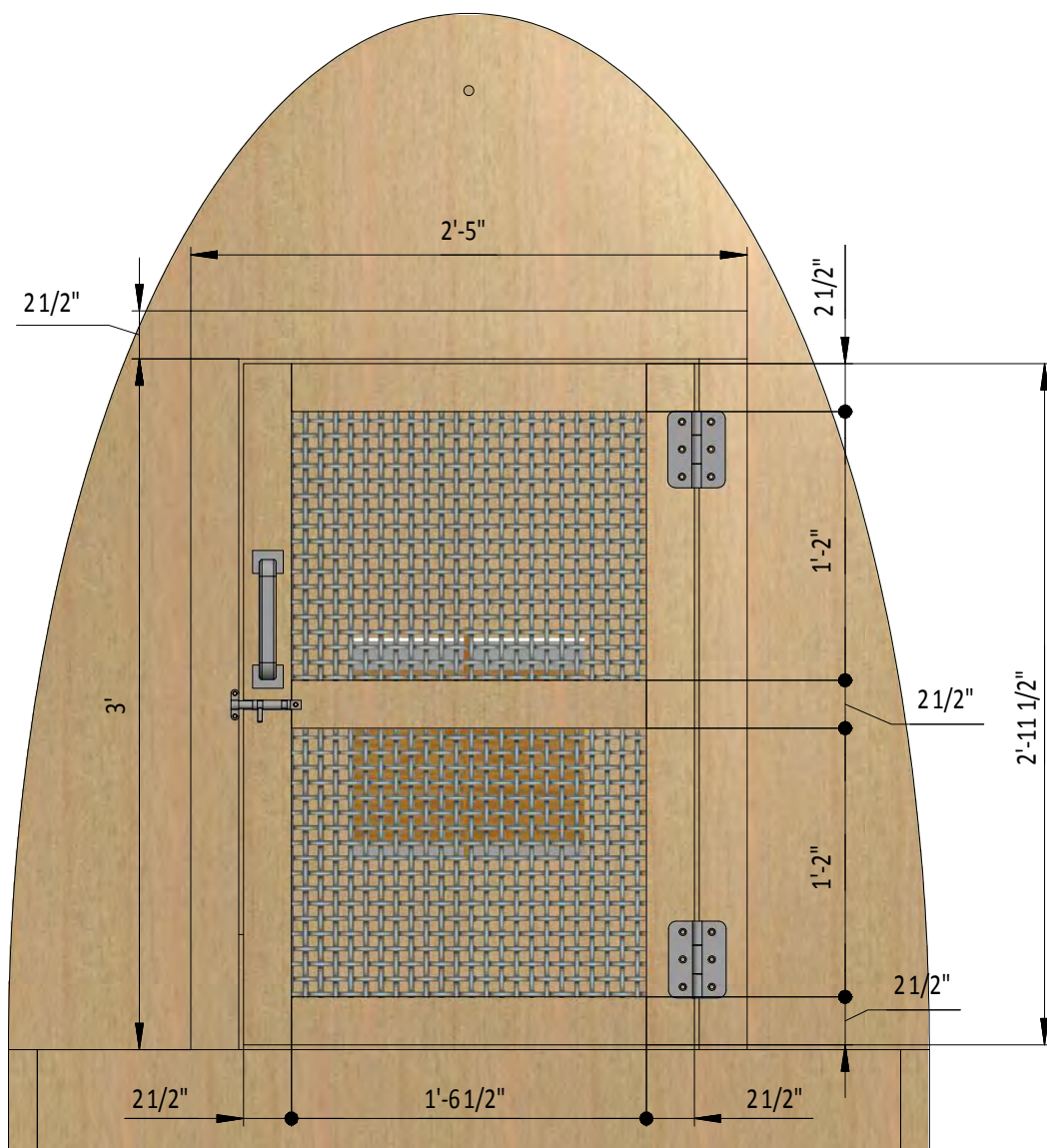
Aviary's Door Assemble And Installation

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.

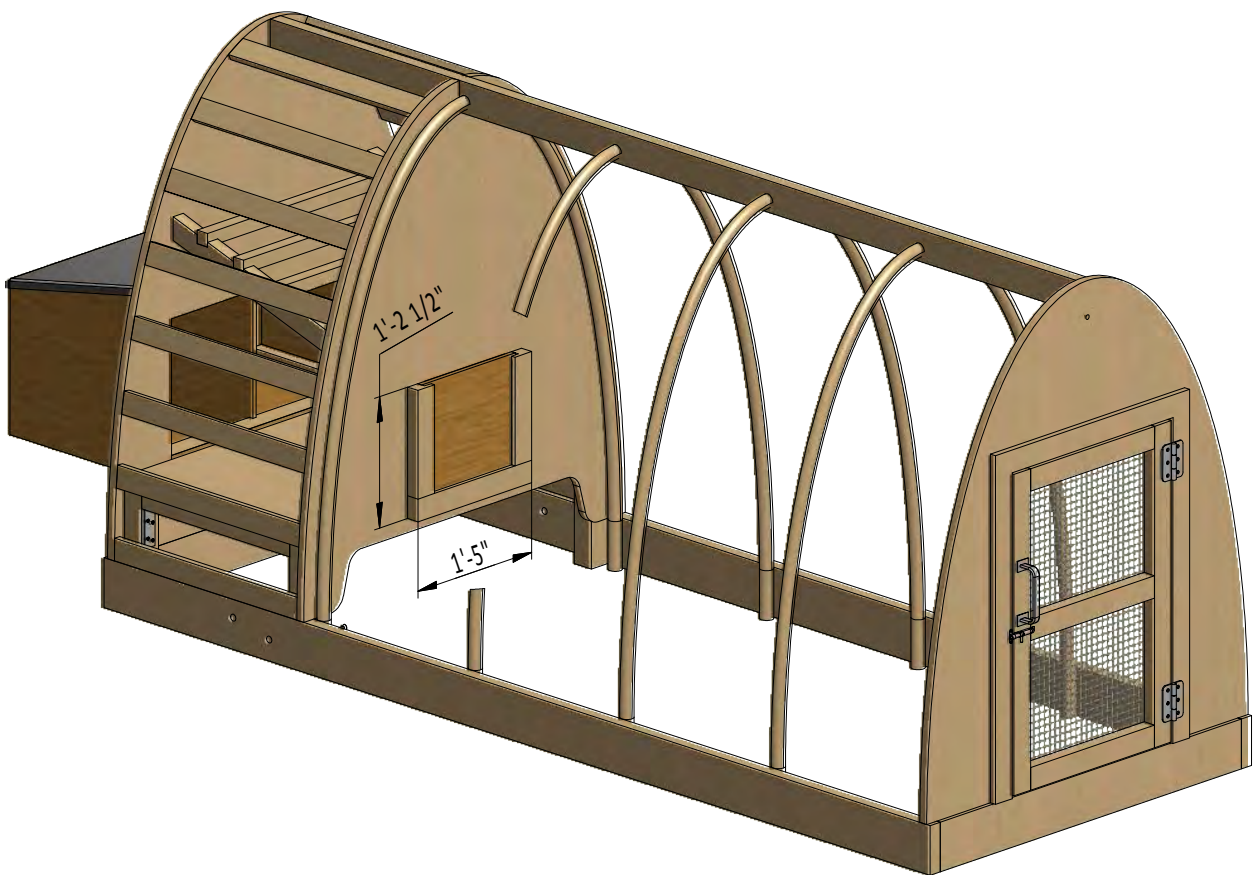


STEP 11

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.



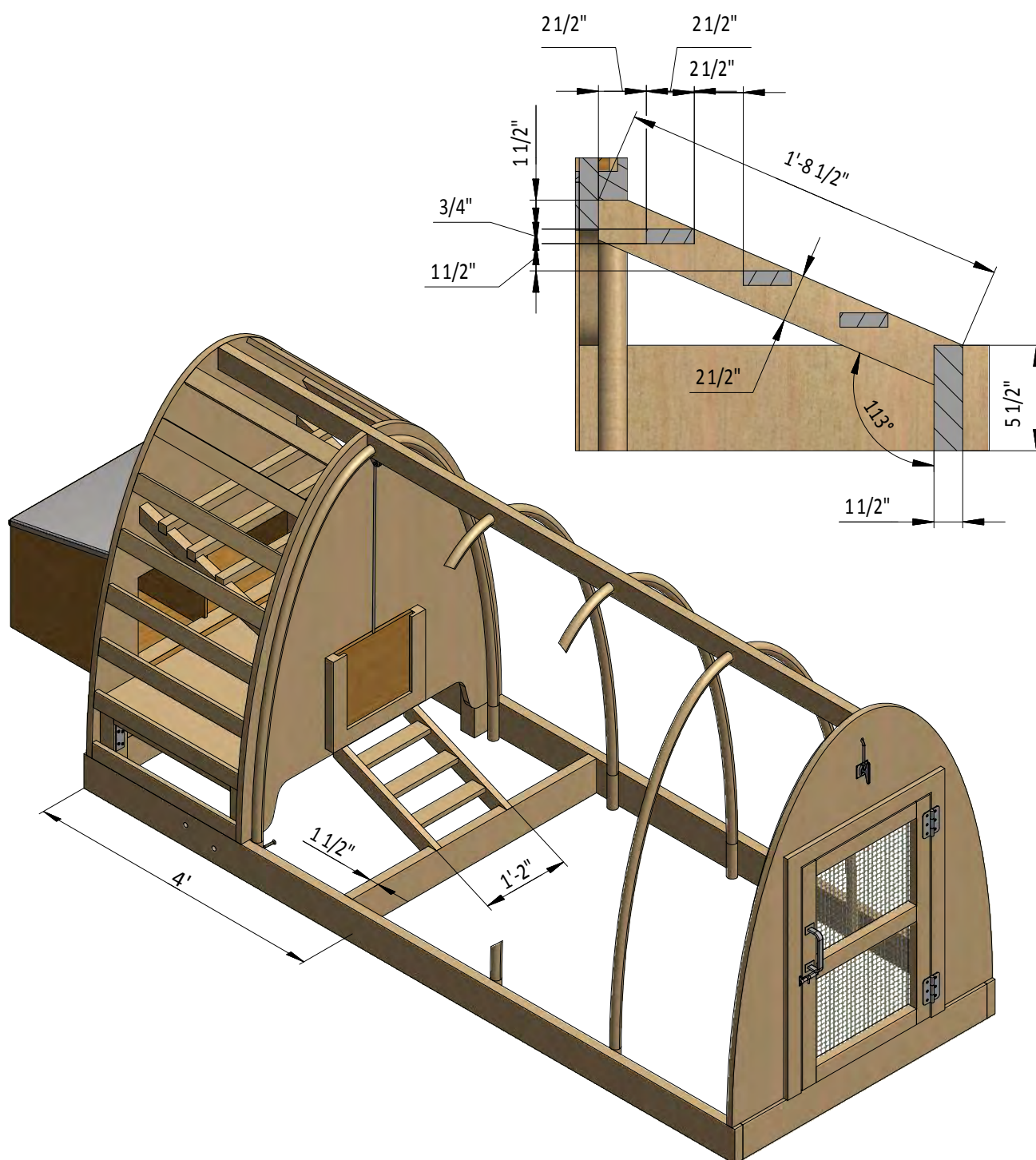
STEP 12

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 4x3" 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 2x2" wood screws according to the drawing.

12.3 Fasten the stairs to the wall inside the coop with 2x2" wood screws.

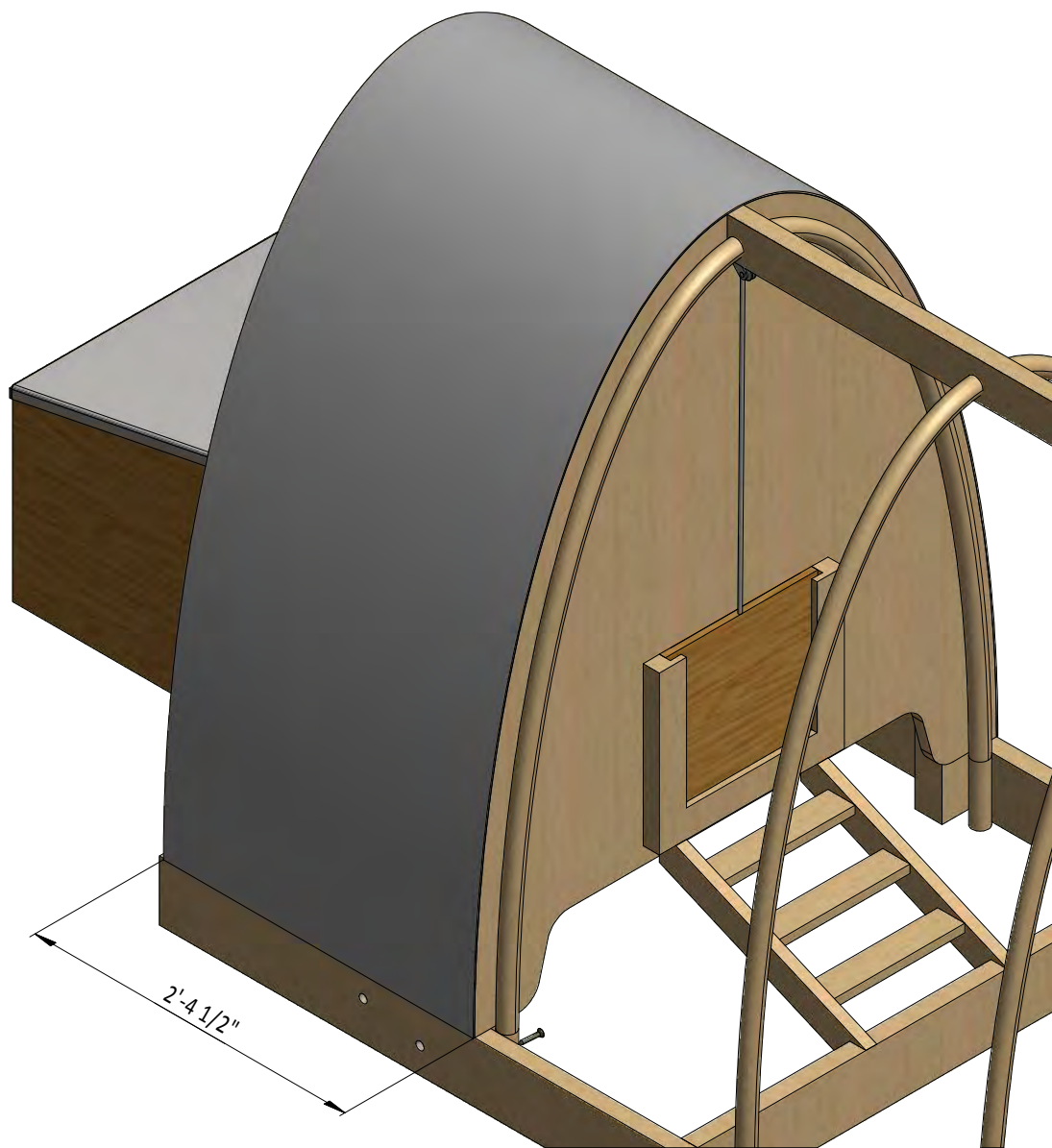


STEP 13

Install the Metal Roofing

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

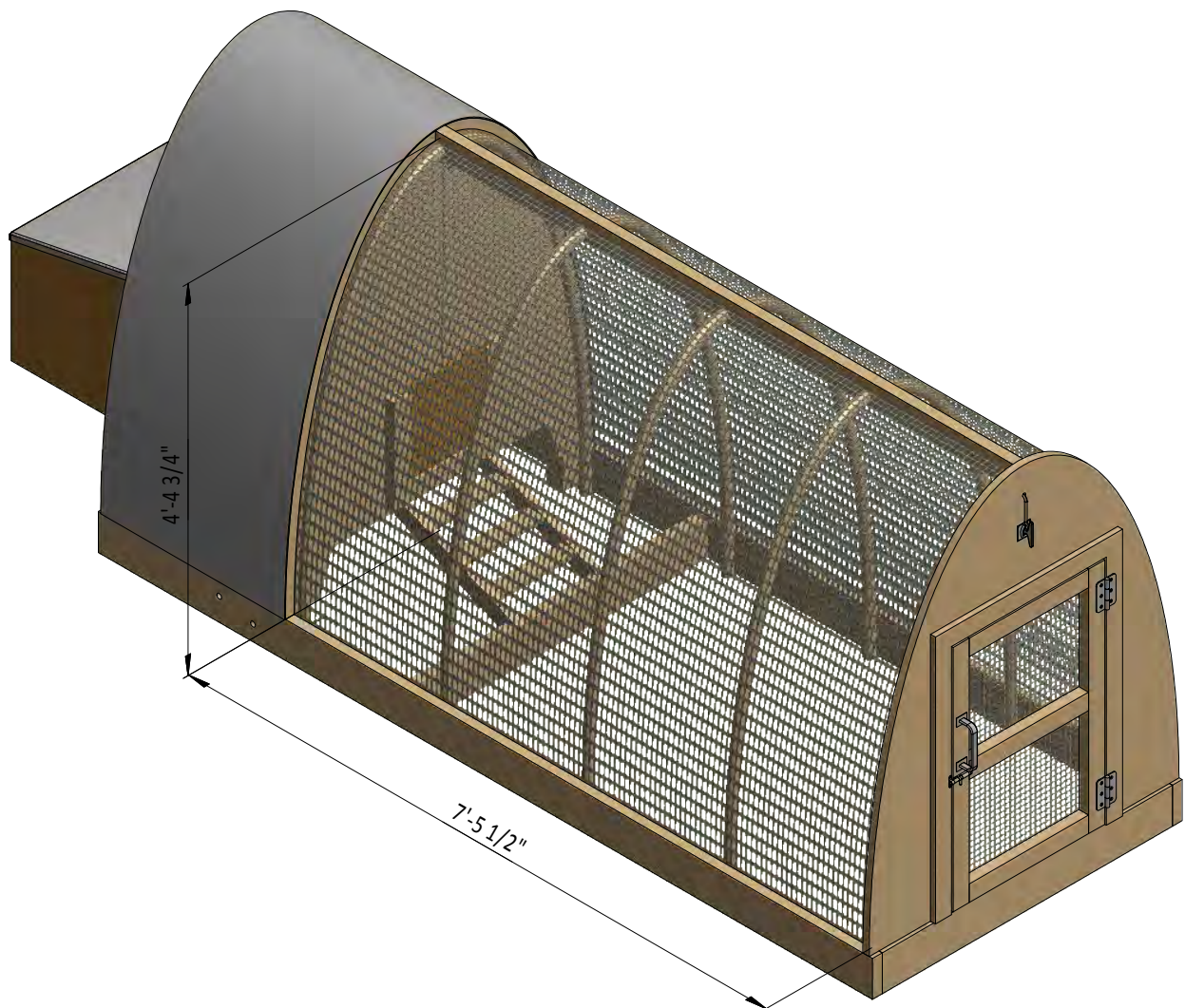
13.2 Use 1 1/2" sheet metal screws and neoprene washers to secure the roofing.



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.





Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	20	35
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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