



4'x8' Chicken Coop Plan

Up to 8 chickens



Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	21	44
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

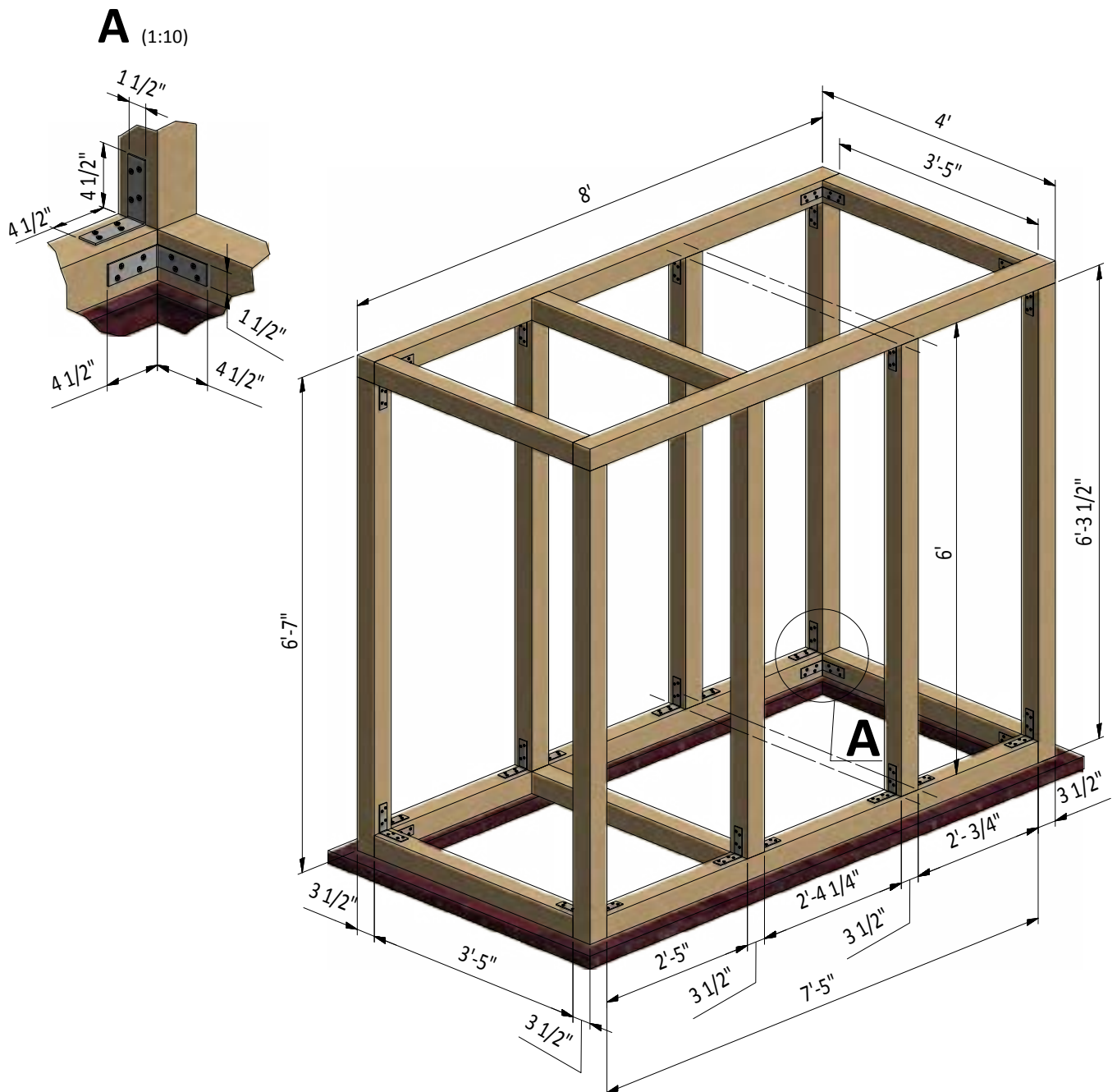
STEP 1

Assemble the Main Frame

1.1 Using 3 1/2" x 3 1/2" pressure-treated lumber, construct main frame using the drawing below as a reference. You will need two boards cut to 7'-5" and three board cut to 3'-5" that will be the bottom plates, four boards cut to 6'-3 1/2" and four boards cut to 6' that will be the studs, two boards cut to 8' and three boards cut to 3'-5" that will be top plates.

1.2 Use 4 1/2" x 4 1/2" x 1/2" corner braces and 8x1" wood screws to secure the corners (node A). Connect the beams with and 2x5" wood screws.

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



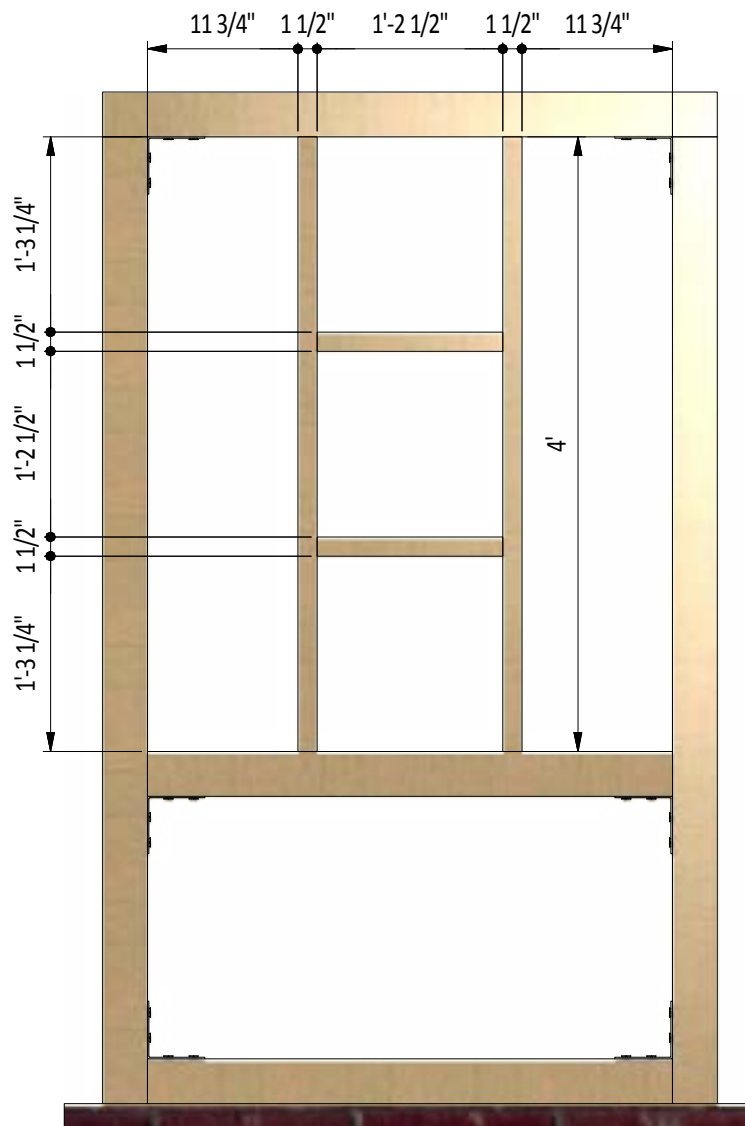
STEP 2

Assemble Left Wall Frame

2.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, construct wall frame using the drawing below as a reference. You will need two boards cut to 4' that will be the studs, two boards cut to 1'-2 1/2" that will be window header and rough sill.

2.2 Connect the beams with 3" and 5" wood screws.

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



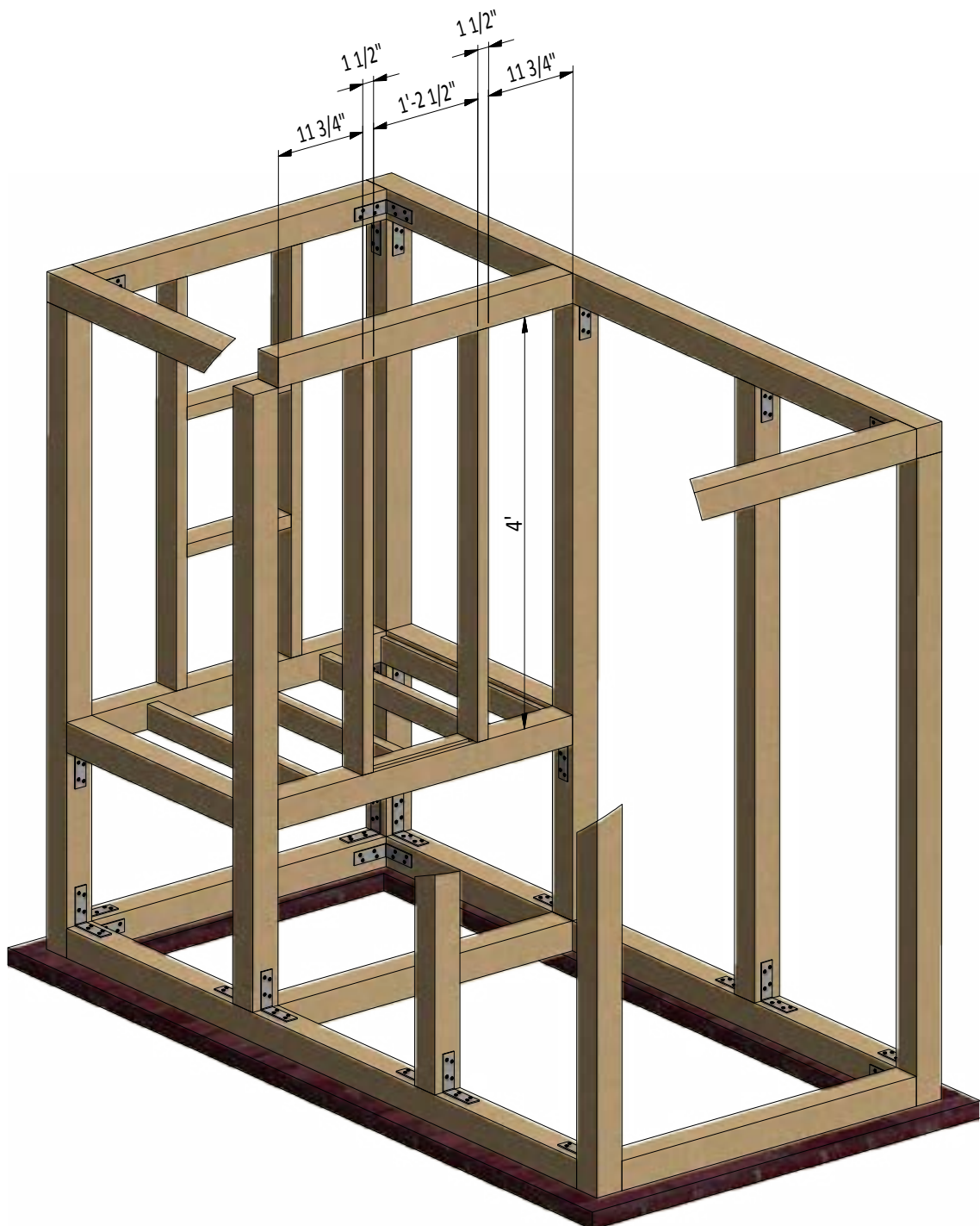
STEP 3

Assemble Inner Wall Frame

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

3.2 Connect the beams with 5" wood screws.

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



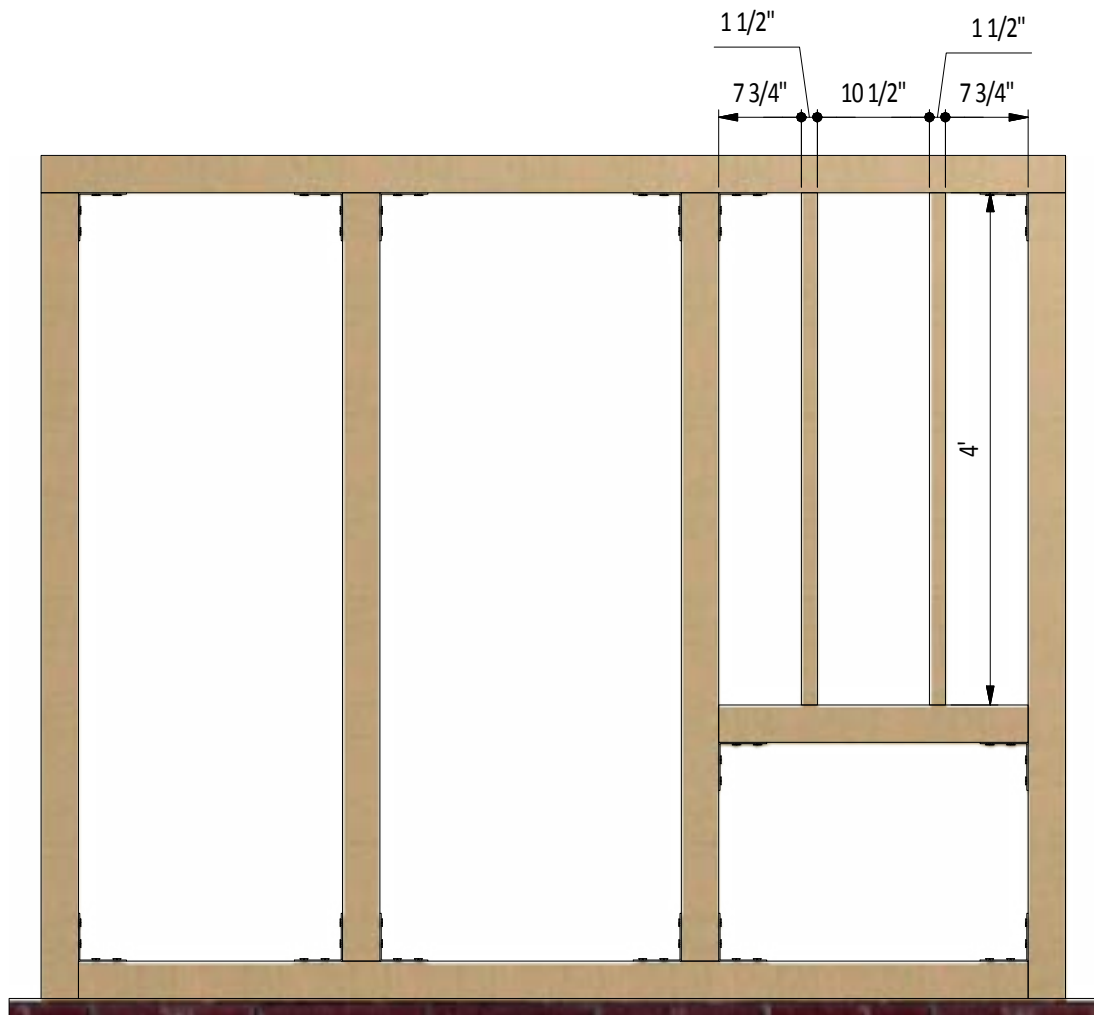
STEP 4

Assemble Back Wall Frame

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

4.2 Connect the beams with 5" wood screws.

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



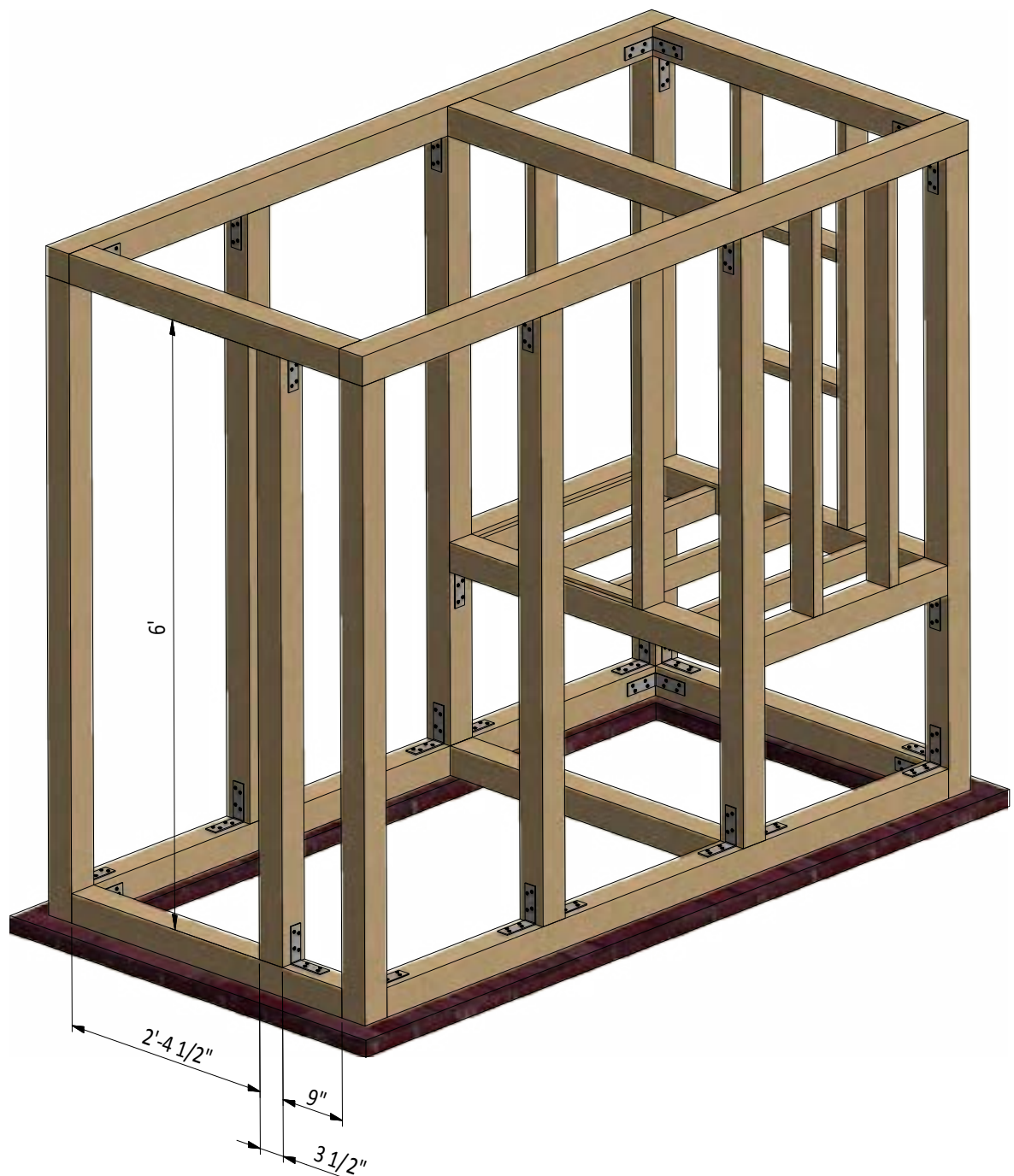
STEP 5

Assemble the Right Wall Frame

5.1 Using 3 1/2" x 3 1/2" pressure-treated lumber, construct wall frame using the drawing below as a reference. You will need one board cut to 6' that will be the stud.

5.2 Use 4 1/2" x 4 1/2" x 1/2" corner brace and 8x1" wood screws to secure the corners (node A on page 13). Connect the beams with 2x5" wood screws.

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



STEP 6

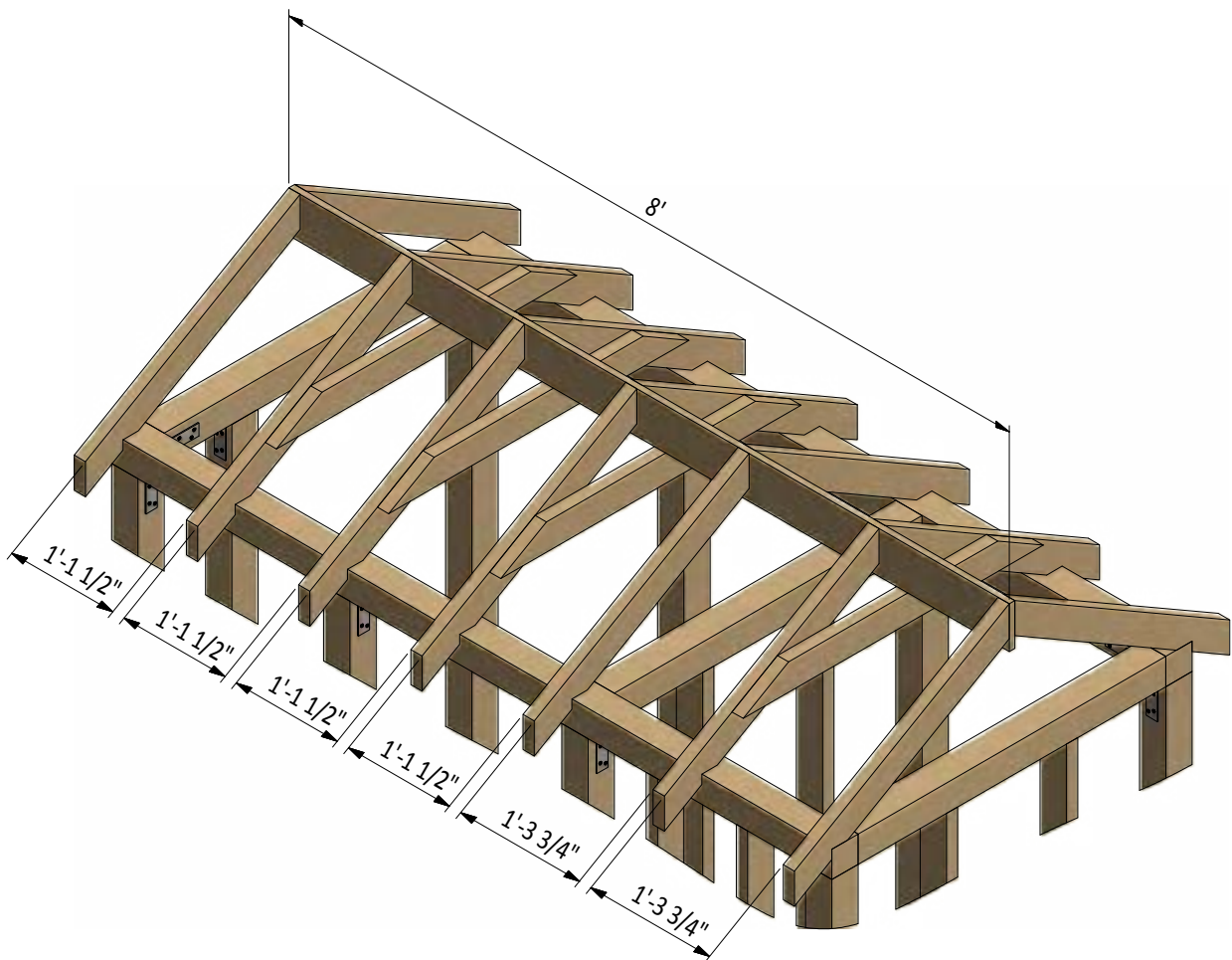
Assemble the Roof Frame

6.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, cut fourteen rafters 2'-11" long according to the dimensions in Nodes E and F on page 21.

6.2 Using 1 1/2" x 3 1/2" pressure-treated lumber, cut four collar ties 3'-4" long according to the dimensions in Node F on page 21.

6.3 Using 3/4" x 5 1/2" pressure-treated board, cut the ridge board 8' long according the illustration below.

6.4 Connect the beams with 2x3" wood screws.



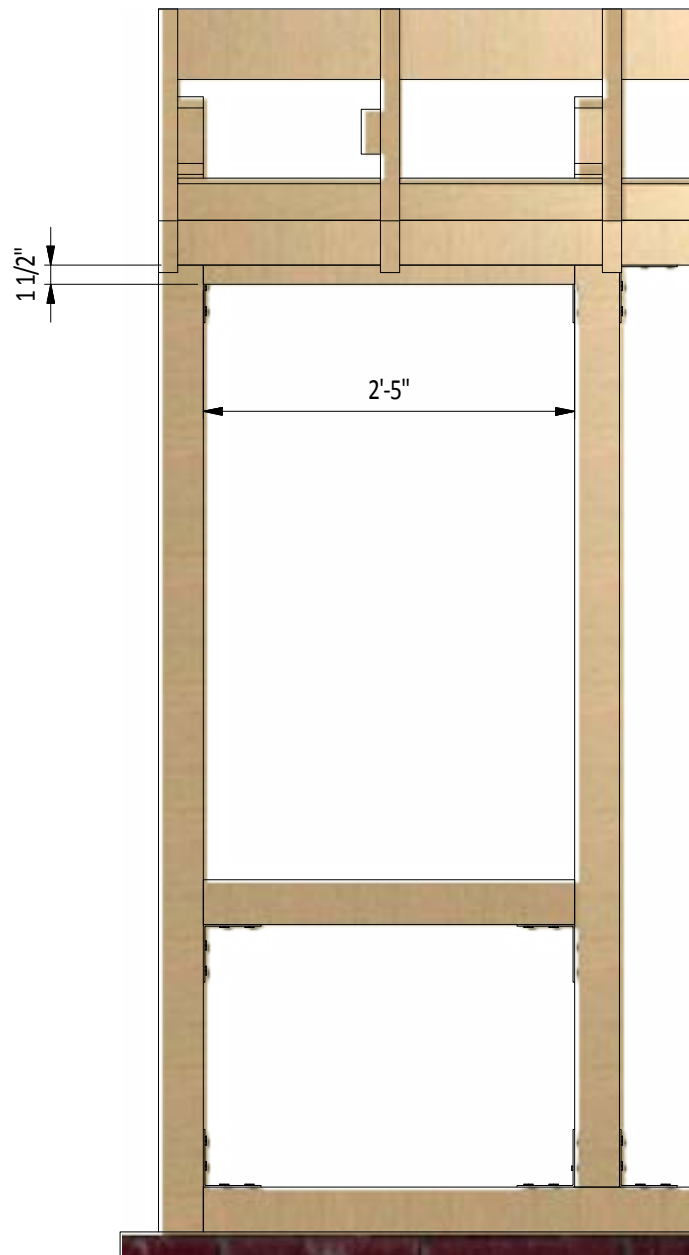
STEP 7

Assemble Front Wall Frame

7.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, install door header using the drawing below as a reference. You will need one board cut to 2'-5".

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 and Install Coop's Door

8.1 Build the door frame for the coop using 3/4" x 3 1/2" pressure-treated lumber and secure with 5" wood screws. You will need two boards cut to 3'-10 1/4" that will be the vertical girts and two boards cut to 1'-9 3/4" that will be the horizontal girts.

8.2 Use 3/4" x 2 1/2" pressure-treated lumber for the door trims and fasten with 1" wood screws. You will need two boards cut to 2'-4 3/4" and two boards cut to 3'-5 1/4".

8.3 Using 1/4" x 3/4" pressure-treated lumber, cut and install a starter course 1'-11 3/4" long using Node K on page 28 as a reference.

8.4 For the exterior siding on the door, use 1/2" x 6" wood siding boards and the illustration below as a reference.

8.5 Assemble siding shields with 2" galvanized nails.

8.6 Install two 3" door hinges using 6x1" wood screws. Finish the doors installation by attaching 4" surface bolt and 6" door pull (see nodes N, P on page 33).



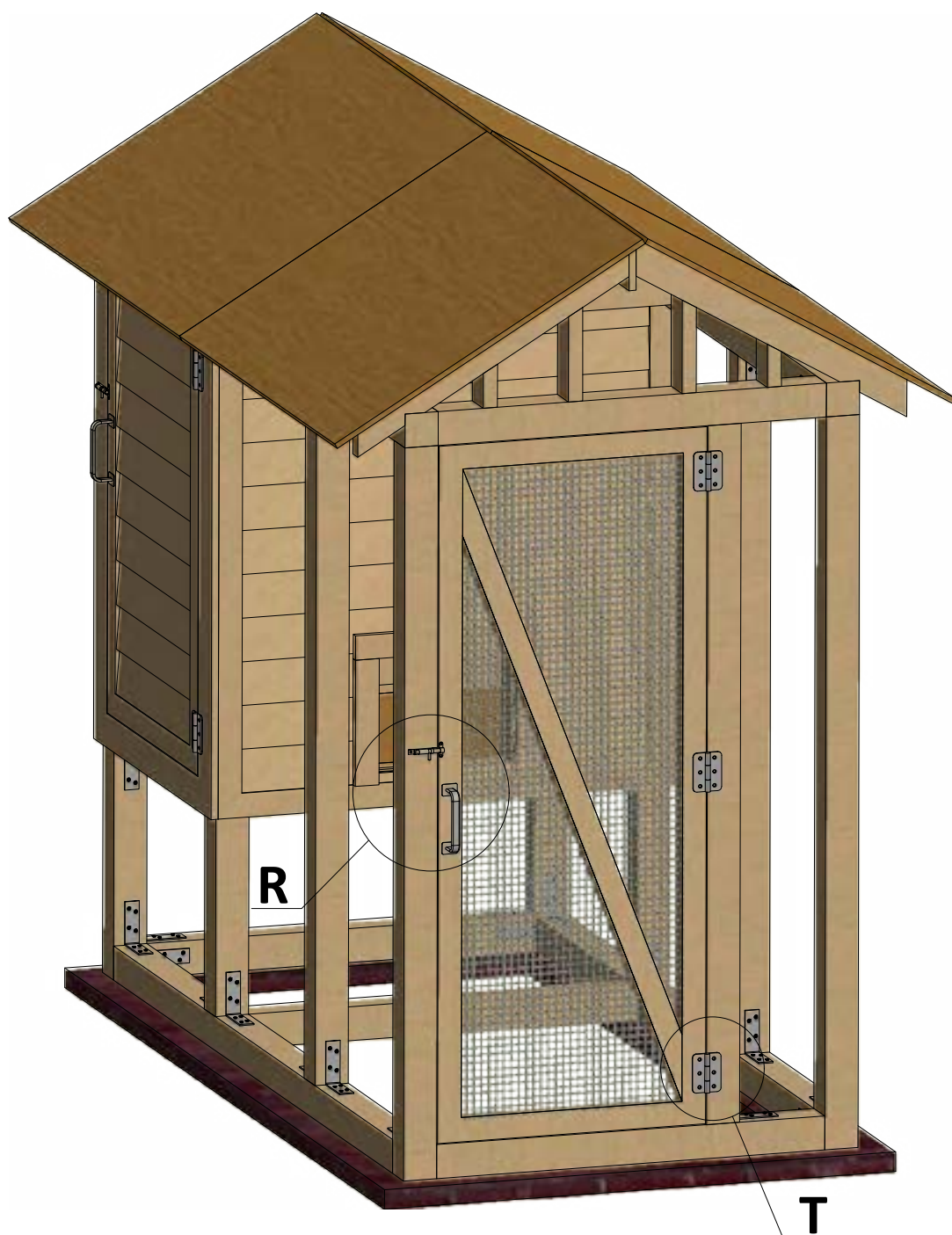
STEP 9

Assemble and Install Aviary's Door

9.1 Build the door frame for the aviary using 2 1/2" x 2 1/2" pressure-treated lumber and secure with 5" wood screws. You will need two boards cut to 5'-11 3/4" that will be the vertical girts, two boards cut to 1'-11 1/4" that will be the horizontal girts and one board cut to 5'-10 3/4" that will be a cross brace.

9.2 Cover the door with 1/4" wire mesh with the help of industrial stapler. You will need 15 sq ft.

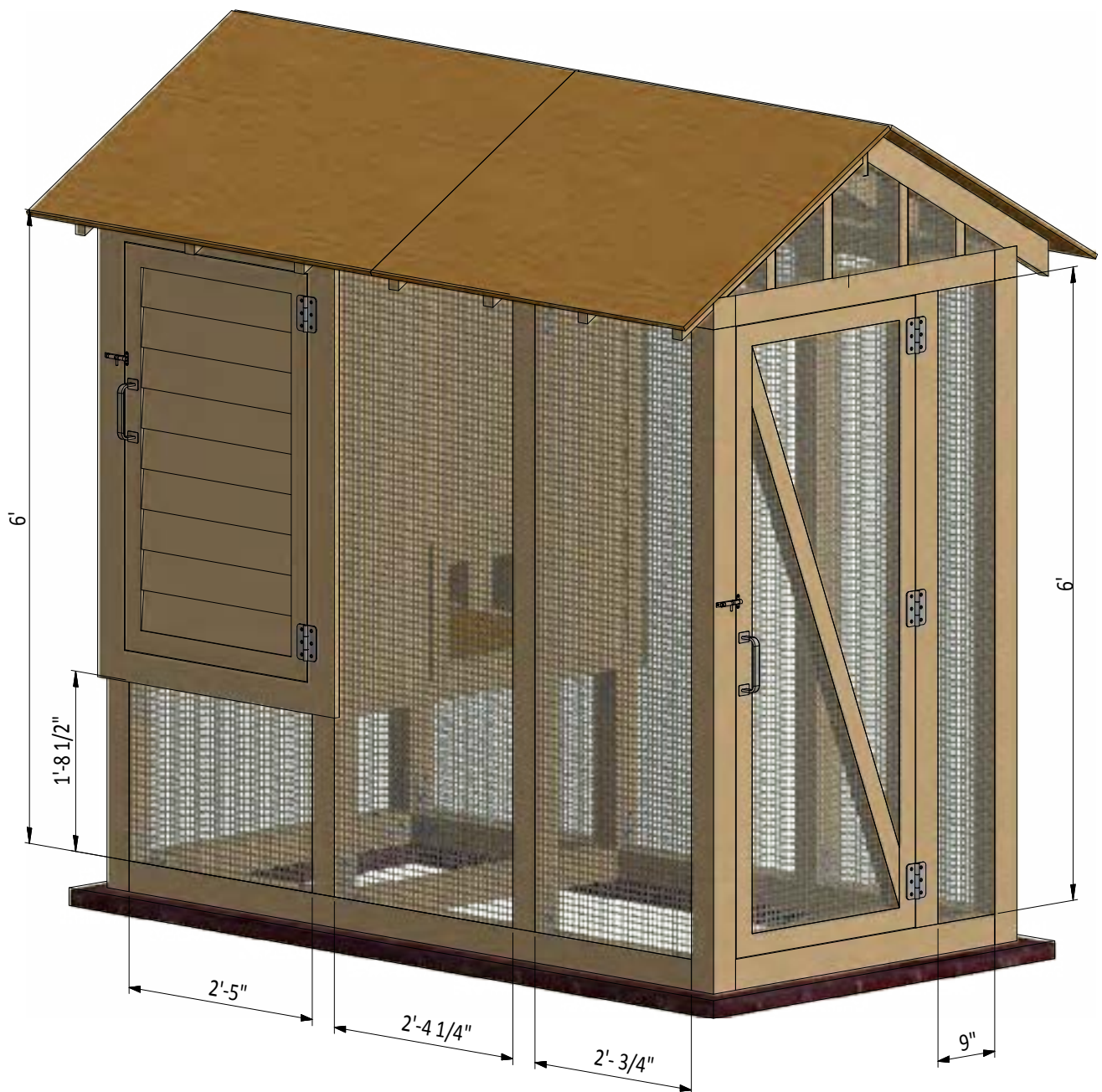
9.3 Install three 3" door hinges using 6x1" wood screws. Finish the doors installation by attaching 4" surface bolt and 6" door pull (see nodes R, T on page 35).



STEP 10

Aviary's Mesh Wall Installation

10.1 Prepare 1/4" wire mesh in the amount of 100 ft² and install it on the inner side of the frames with the help of industrial stapler.



STEP 11

Roof Sheathing Installation

22.1 You will need 60 Sq Ft of asphalt shingle roofing.

22.2 Add the metal drip edge to the fascias.

22.3 Cover the plywood with building paper.

22.4 Install asphalt shingle roofing using an industrial stapler.



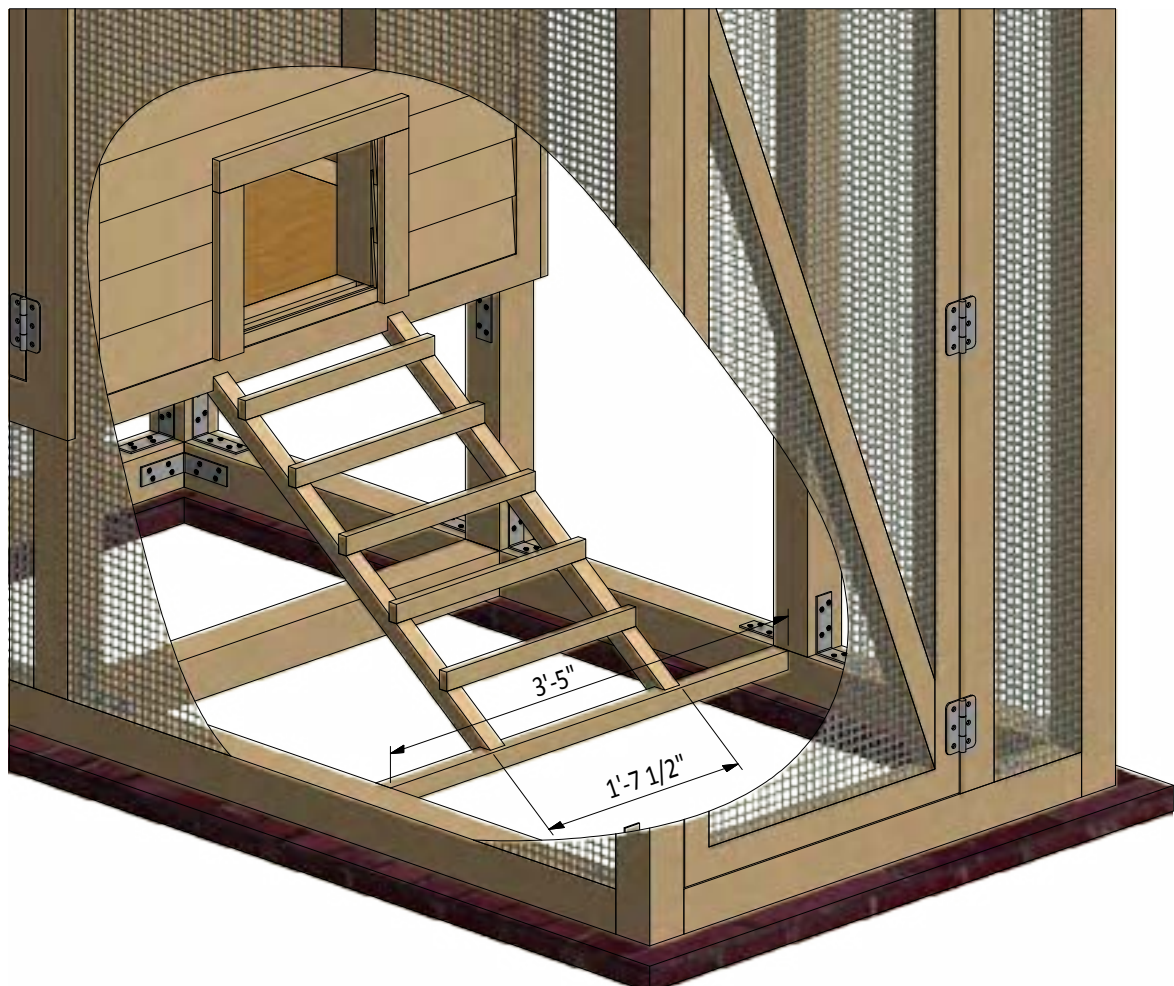
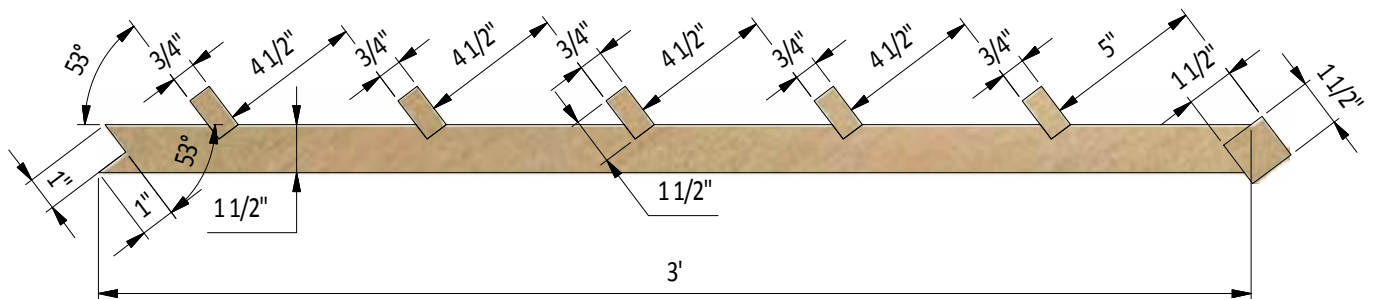
STEP 12

Aviary's Stairs Assembly

12.1 Using 1 1/2" x 1 1/2" pressure-treated material cut girt 3'-5" long and install as a support joist at the level of bottom frame according to the drawings below.

12.2 Using 1 1/2" x 1 1/2" pressure-treated material, make the stairs frame using the illustration below as a guide and secure with 3" wood screws. You will need two boards cut to 3'. Cut the recesses in each beam for splicing connection.

12.3 For the stairs, you will need 3/4" x 1 1/2" pressure-treated material. You will need five boards cut to 1'-7 1/2". Using the illustration as a reference, secure the stairs with 2" wood screws.



STEP 13

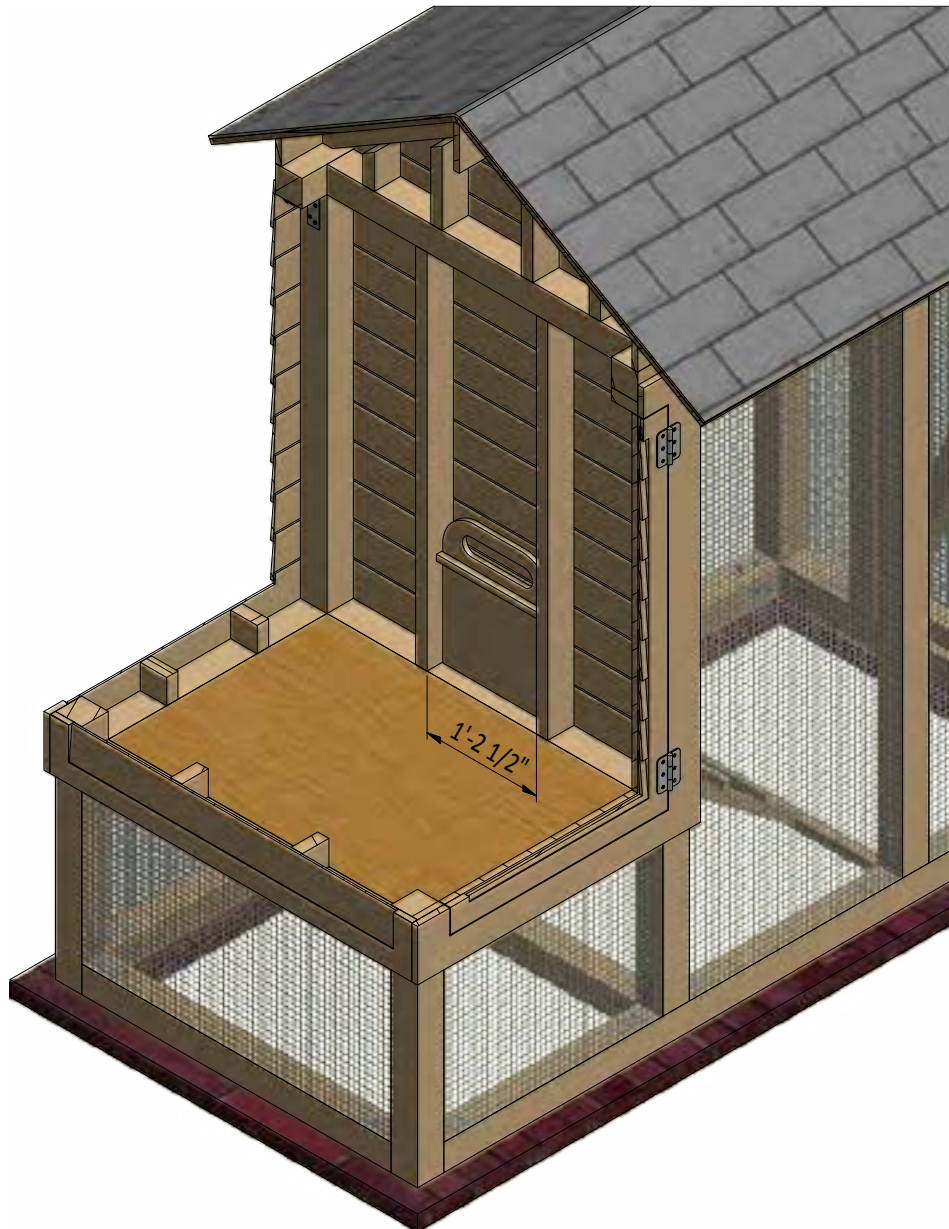
Install Chicken Door In The Inner Wall

13.1 Use 5/8" plywood to make a door for the chicken's entrance.

You will need one 1'-2 1/2" x 1'-6 1/4" sheet. Use the below drawing as a reference.

13.2 Using 3/4" x 3/4" pressure-treated lumber, construct groove for the door using the drawing below as a reference. You will need two boards cut to 1'-2 1/2" that will be the girts (see node W-W on page 40).

13.3 In the Step 4 you milled 1/2" deep section in the bottom beam that will help to secure the door and prevent them from being opened from the outside.

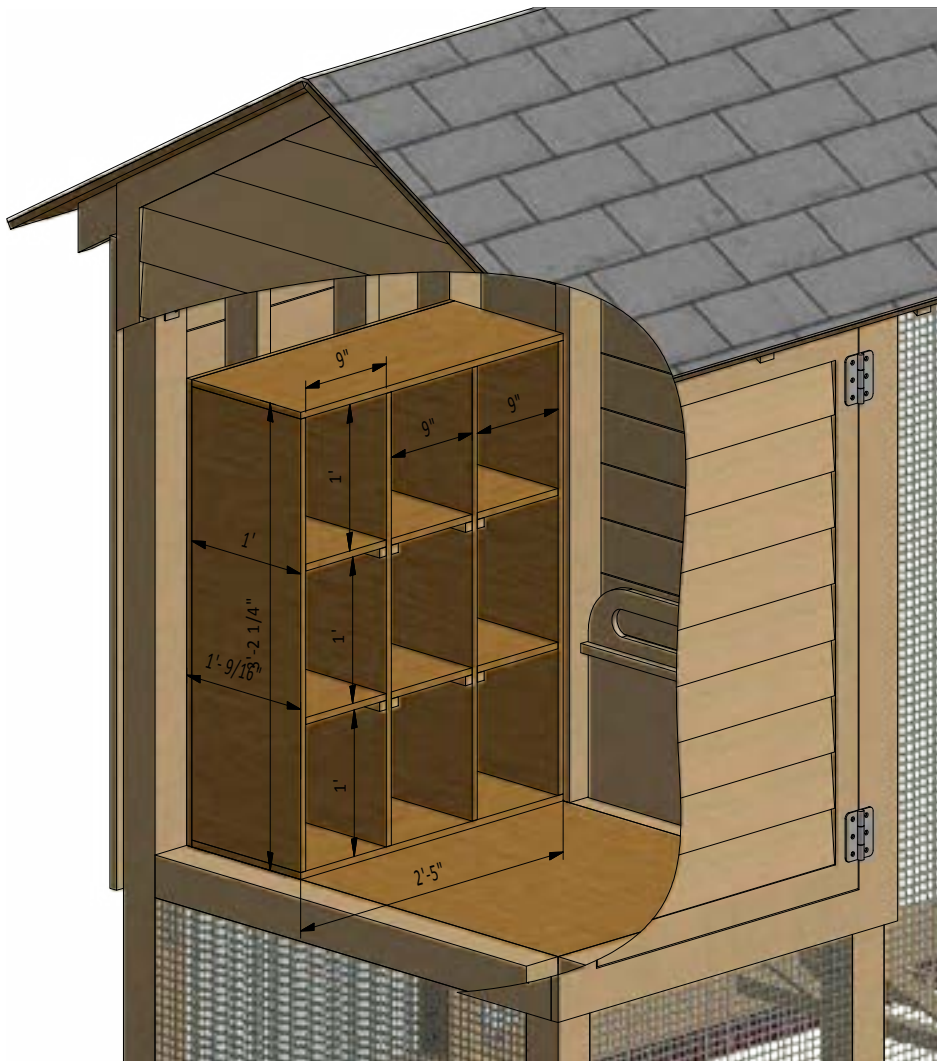


STEP 14

Nesting Box Assembly

14.1 Prepare the 5/8" plywood for horizontal and vertical walls and assembly them with 2" wood screws. You will need six 1' x 9" sheets that will be the shelves, four 3'-1 1/4" x 1' sheets that will be vertical partitions (see node X on page 42), one 2'-5" x 1' sheet that will be bottom plate, one 2'-5" x 1' sheet that will be top plate and one 3'-2 1/4" x 2'-5" that will be backside plate.

14.2 Use eight 3/4" x 3/4" pressure-treated lumber 1' long for securing the shelves with partitions with the help of 1" wood screws.

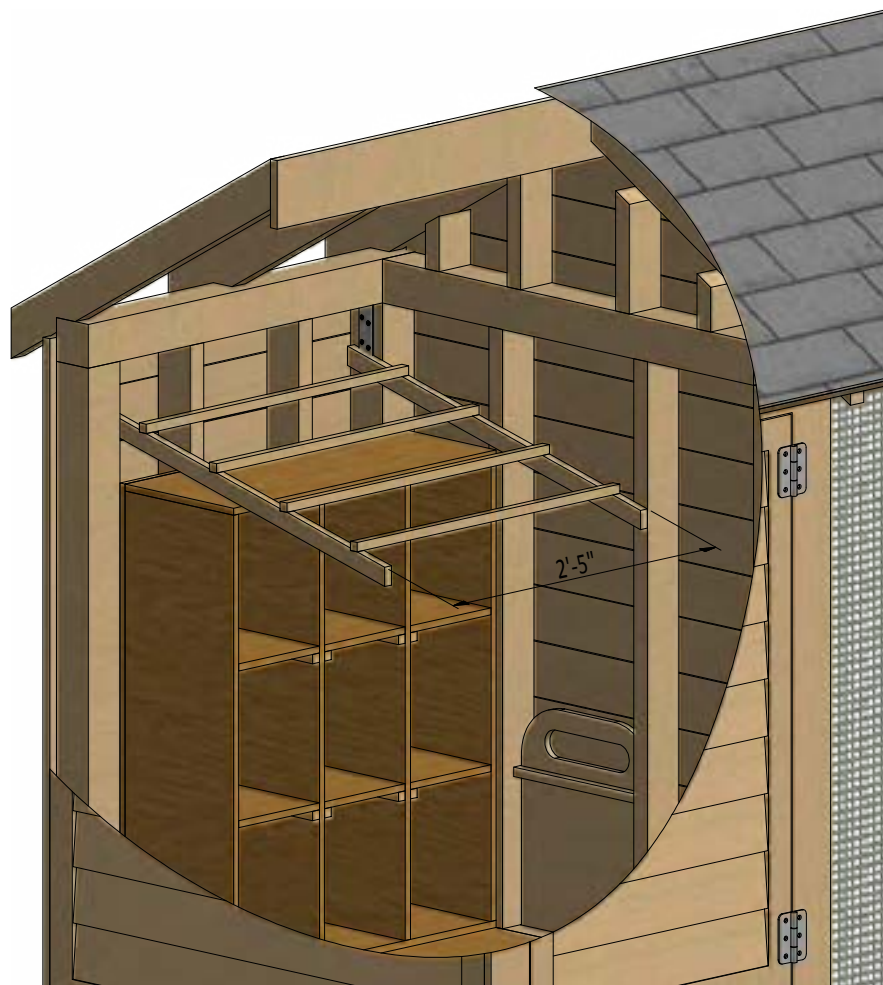
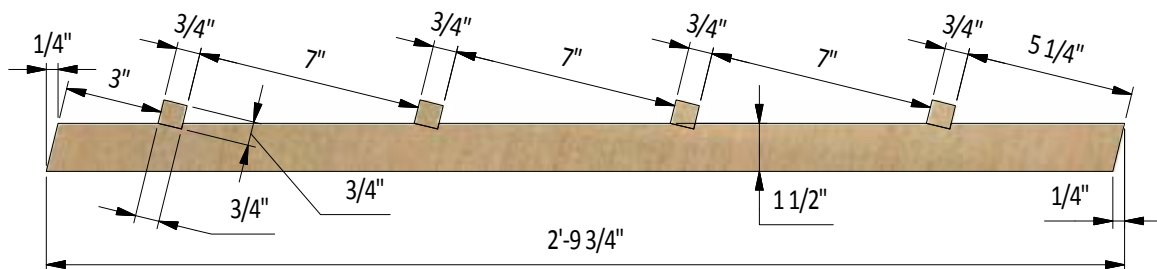


STEP 15

Coop's Roost Assembly

15.1 Using $\frac{3}{4}$ " x $1\frac{1}{2}$ " pressure-treated material, make the roost frame using the illustration below as a guide and secure with 3" wood screws. You will need two boards cut to $2'-9\frac{3}{4}"$. Cut the recesses in each beam for splicing connection.

15.2 For the stairs, you will need $\frac{3}{4}$ " x $\frac{3}{4}$ " pressure-treated material. You will need four boards cut to $2'-5"$. Using the illustration as a reference, secure the stairs 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.





Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	21	44
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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