



5'x4' Chicken Coop Plan

Up to 8 chickens



Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	20	57
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

5'x4' 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

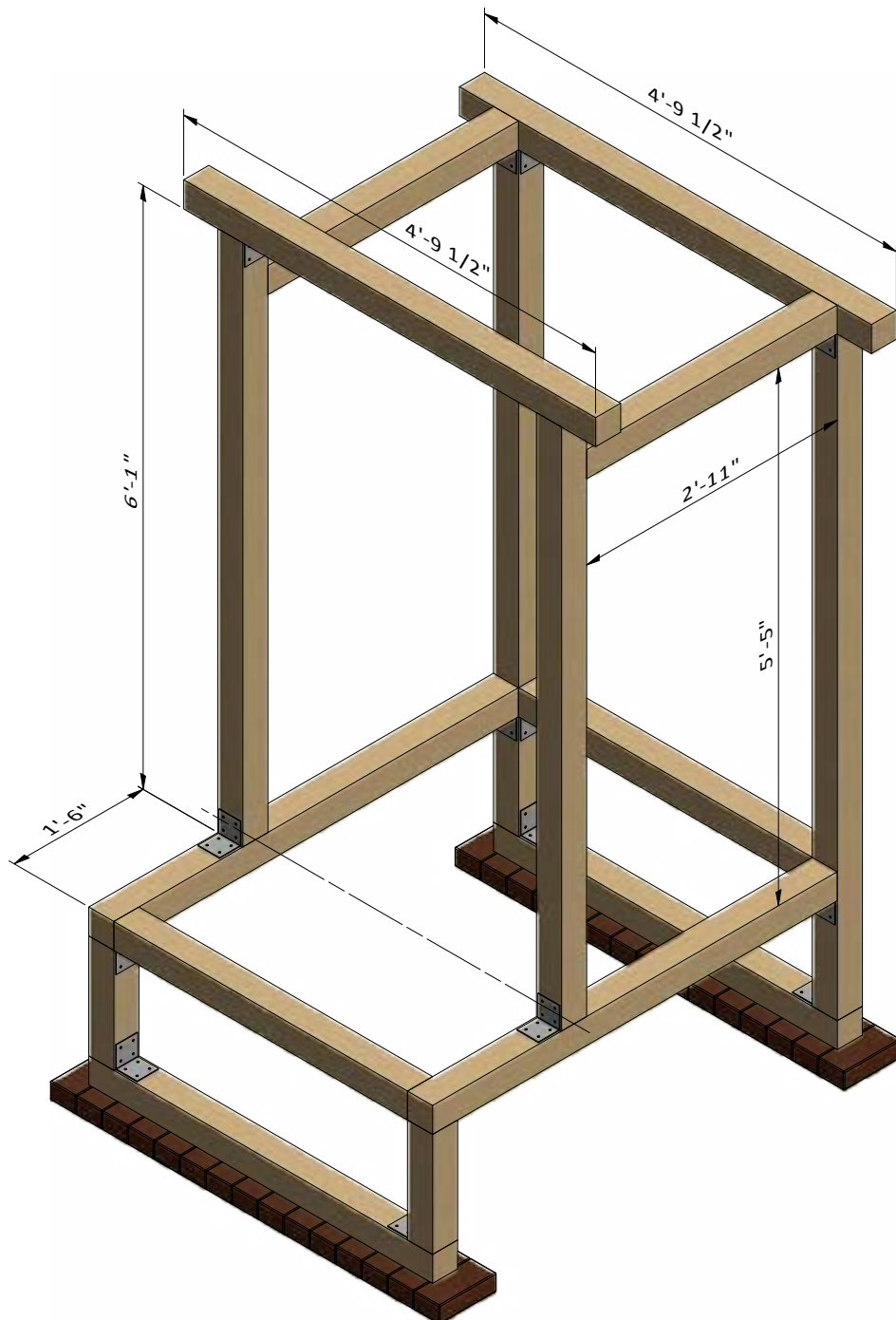
STEP 1

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'-1" that will be studs, two boards cut to 2'-11" and two boards cut to 4'-9 1/2" that will be top 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°.



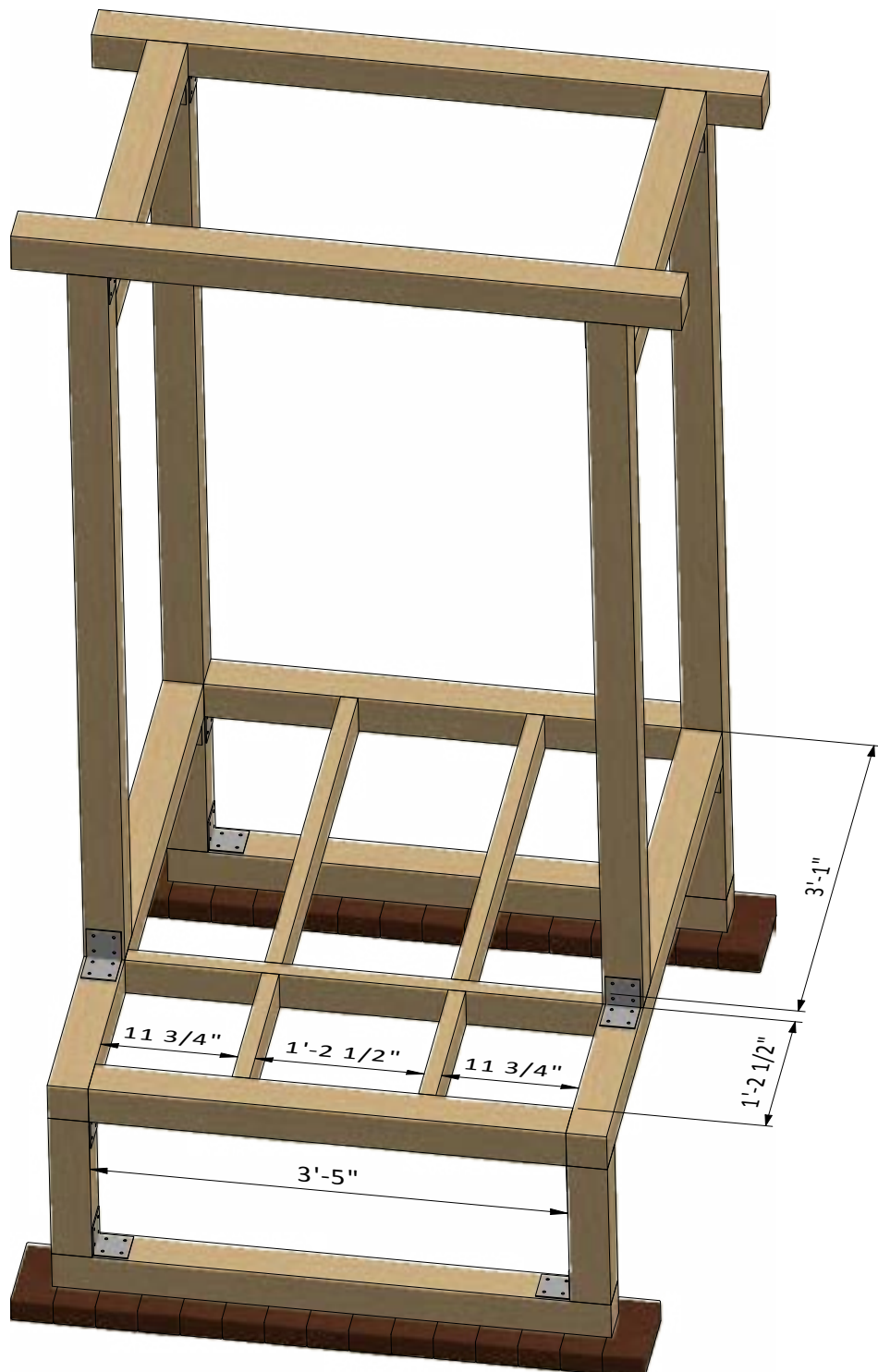
STEP 2

Assemble The Floor Frame

2.1 Using 1 1/2" x 3 1/2" pressure-treated material, cut four rim joists and one joist using the illustration below as a reference. You will need two boards cut to 1'-2 1/2" and two boards cut to 3'-1" that will be rim joists and one board cut to 3'-5" that will be joist.

2.2 Connect the beams with 3" wood screws.

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



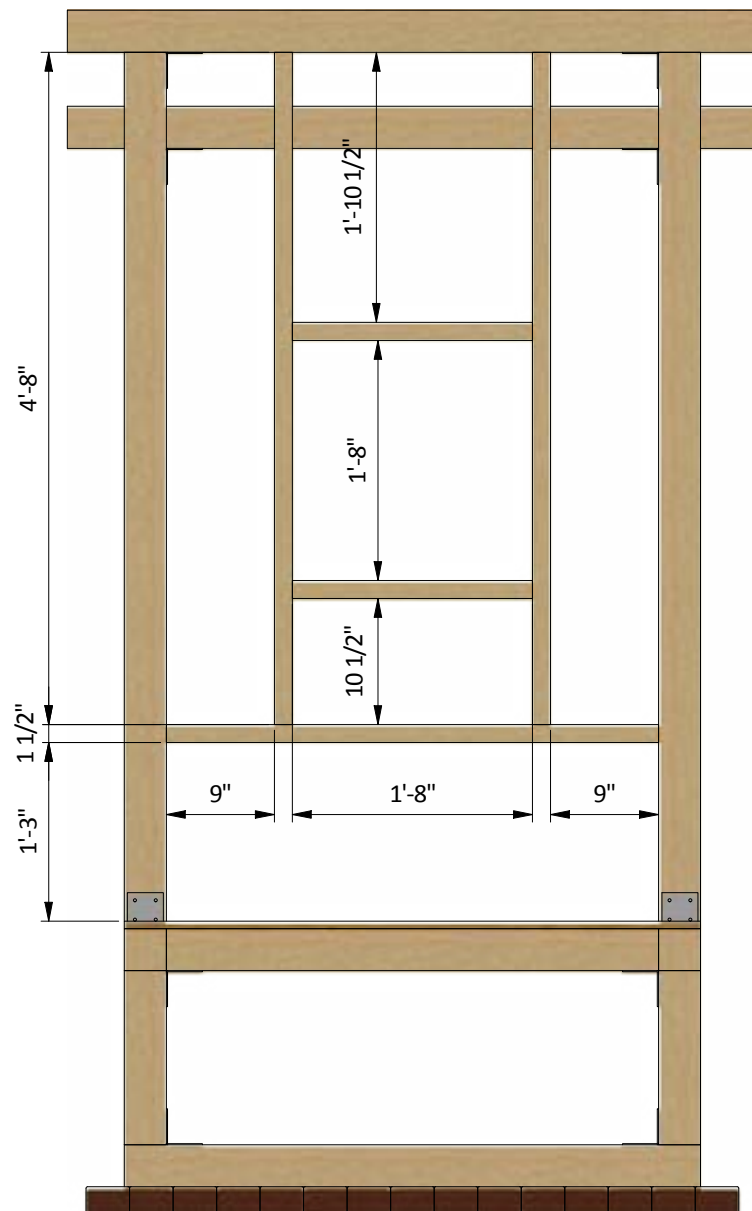
STEP 3

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'-8" that will be studs and two boards cut to 1'-8" that will be the window header and rough sill.

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°.



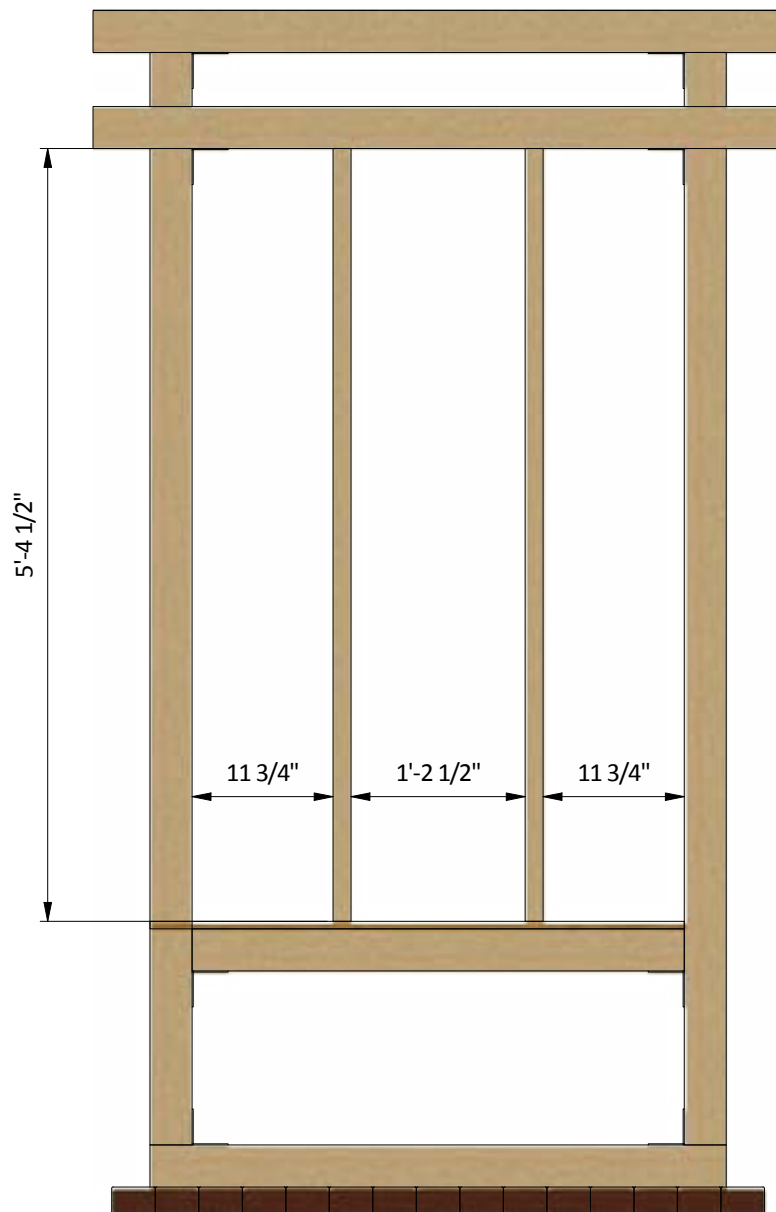
STEP 4

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°.



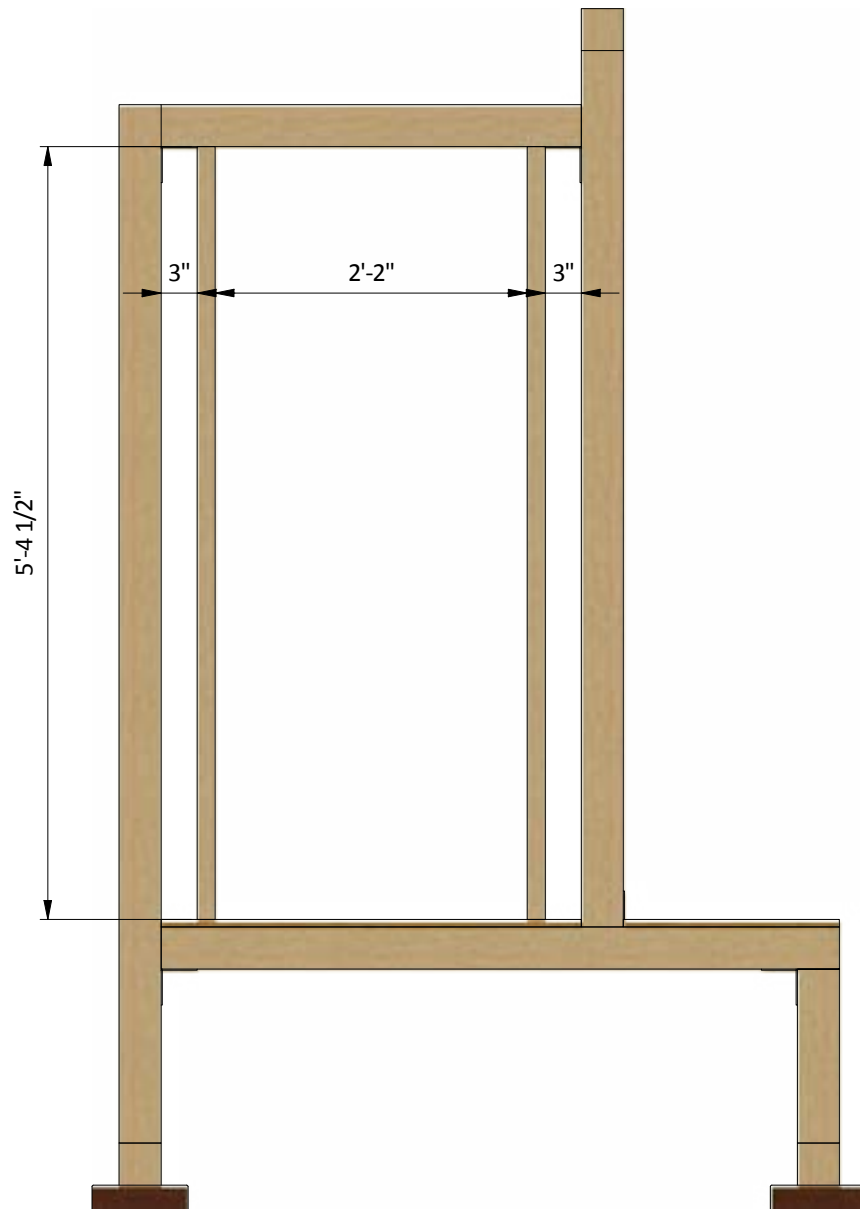
STEP 5

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 two 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°.



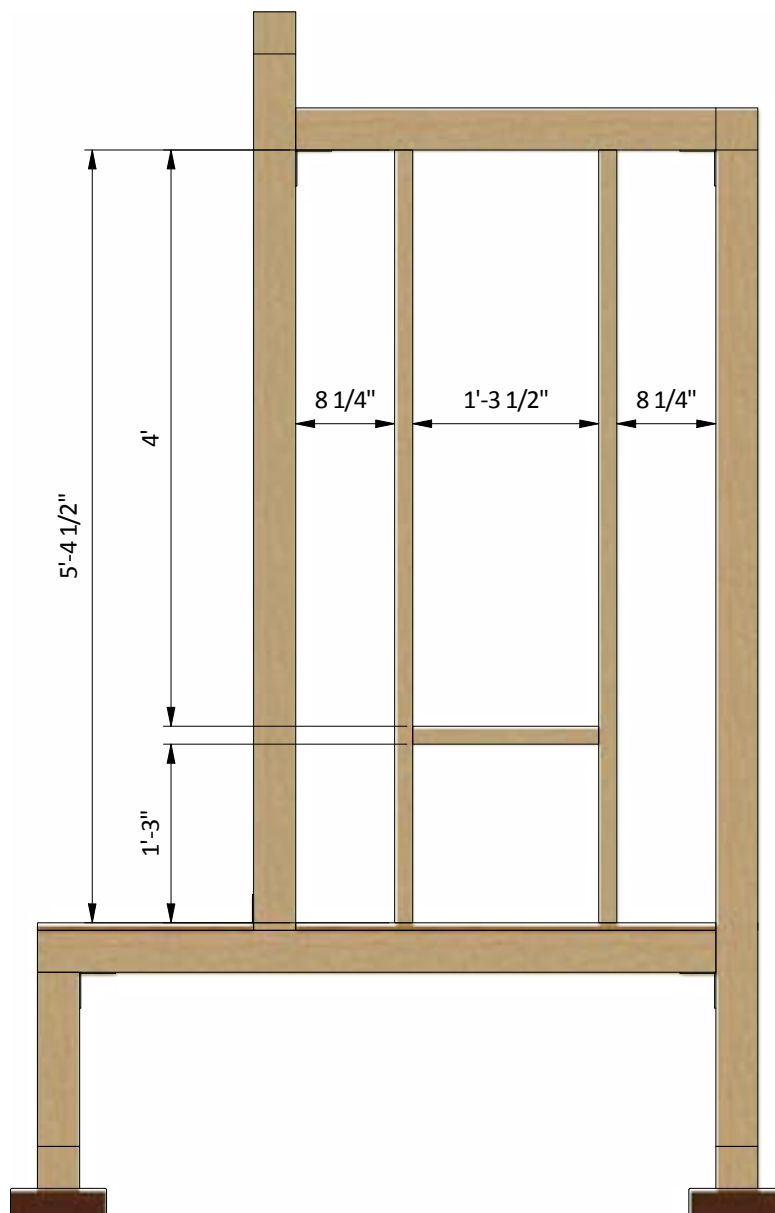
STEP 6

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 two boards cut to 5'-4 1/2" that will be studs and one board cut to 1'-3 1/2" 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

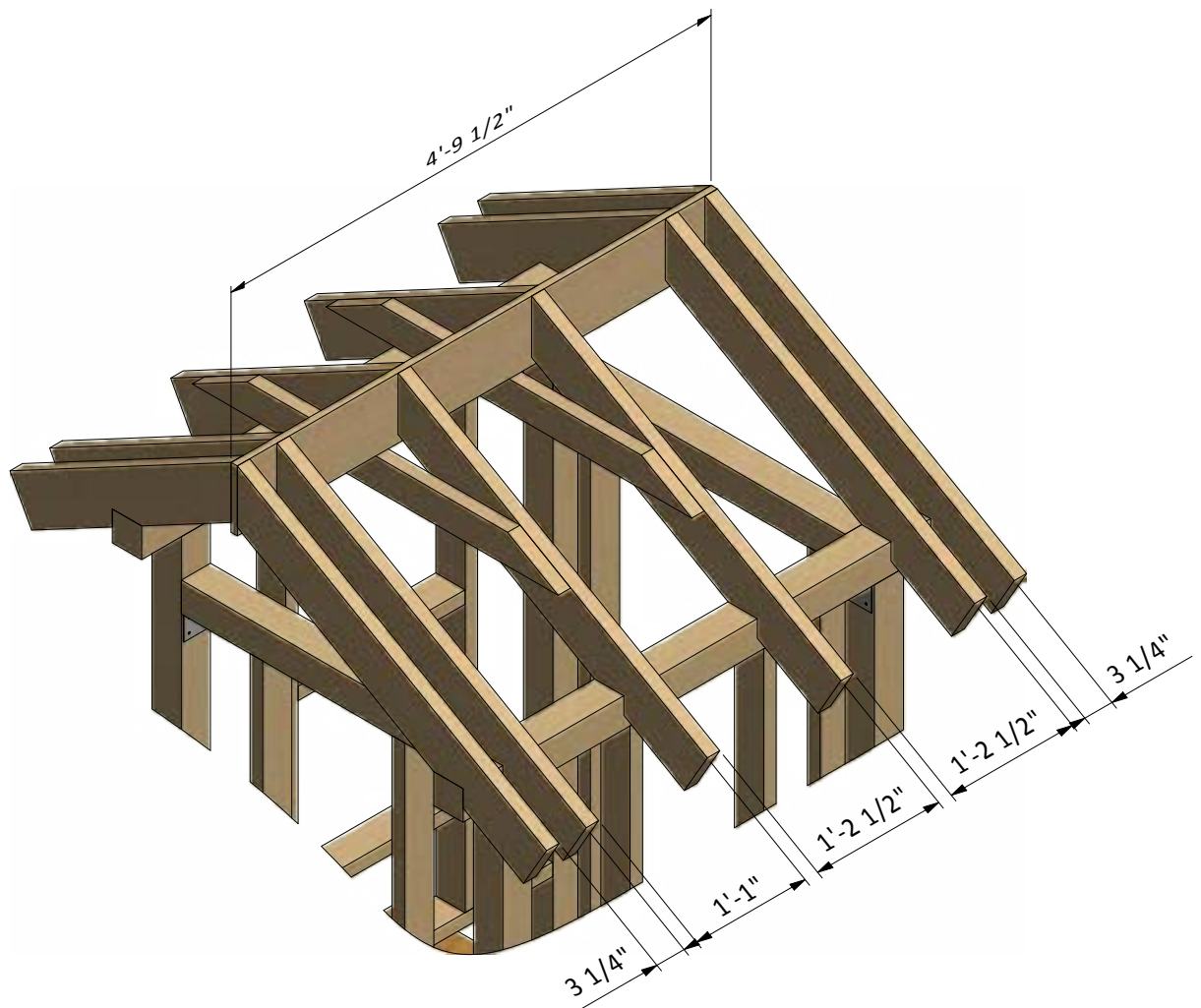
Assemble the Roof Frame

7.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, cut six rafters 2'-6" long and six rafters 3'-6 3/4" long according to the dimensions in drawings below.

7.2 Using 1 1/2" x 3 1/2" pressure-treated lumber, cut two collar ties 3'-7 3/4" long according to the dimensions in drawings below.

7.3 Using 3/4" x 7 1/4" pressure-treated board, cut one board 4'-9 1/2" long that will be ridge board according the illustration below.

7.4 Connect the beams with 3" wood screws.

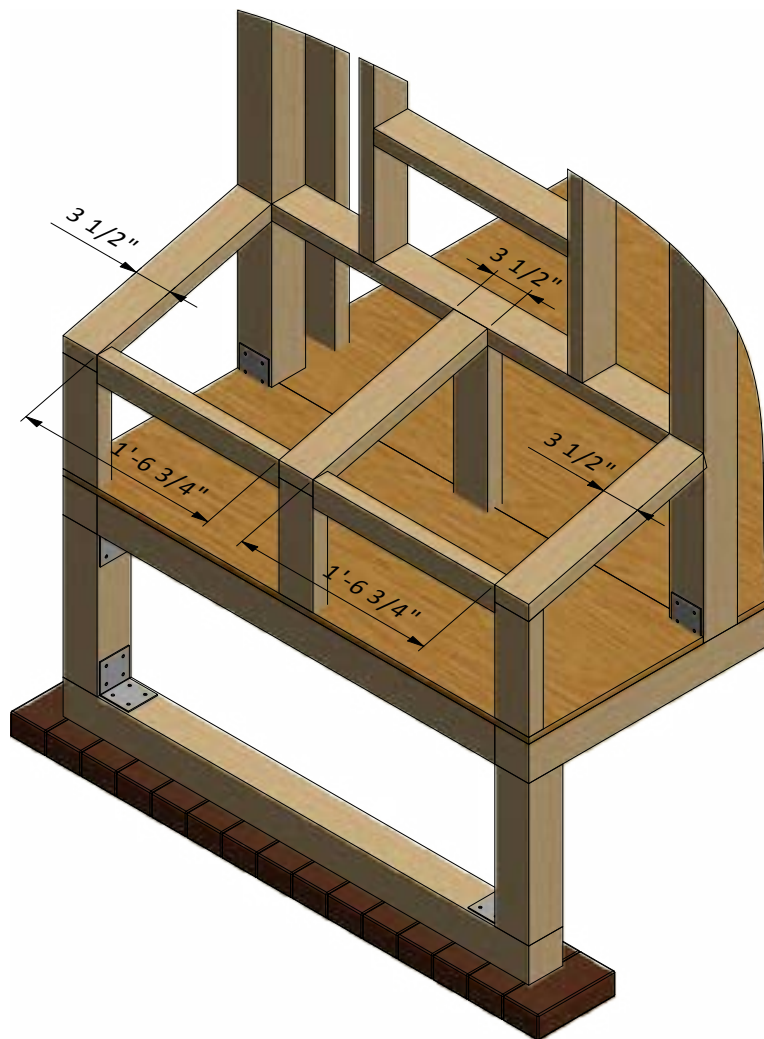


STEP 8

Nesting Box Assembly

8.1 Using $1\frac{1}{2}$ " x $2\frac{1}{2}$ " and $1\frac{1}{2}$ " x $3\frac{1}{2}$ " 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 $10\frac{3}{4}"$, one board cut to $1'-3"$ and two boards cut to $1'-6\frac{3}{4}"$ that will be girts.

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

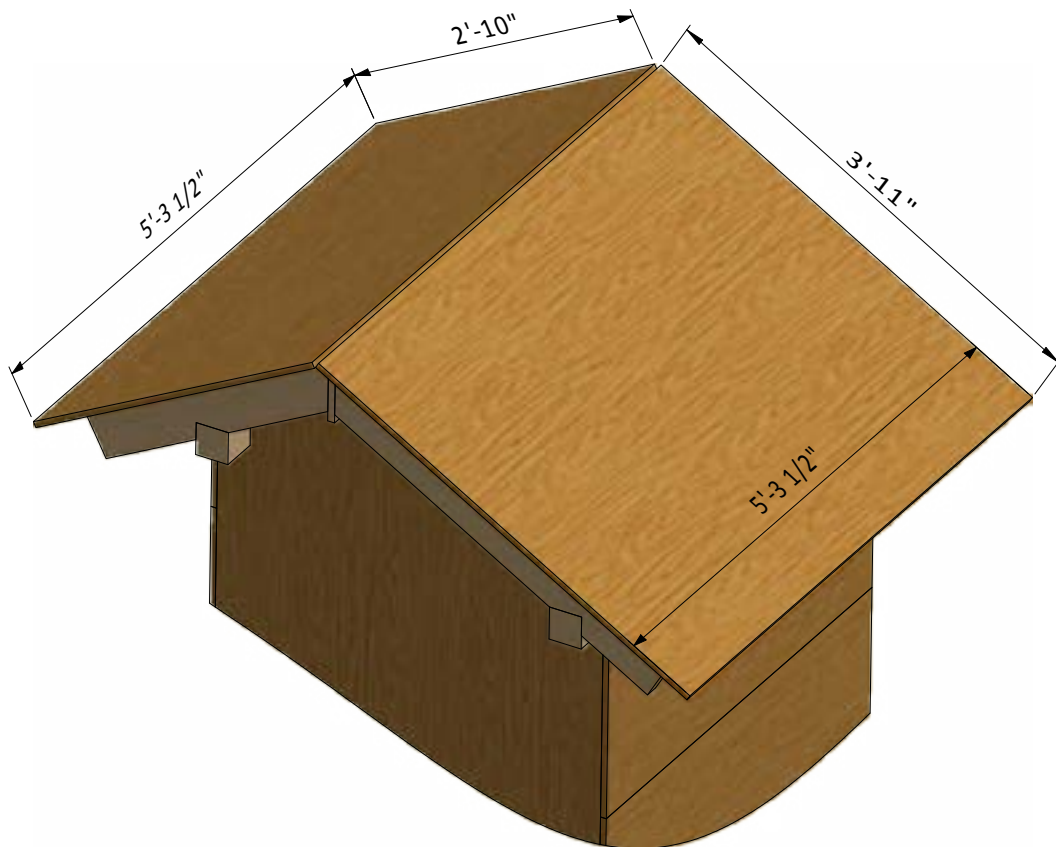


STEP 9

Install Plywood for the Roof

9.1 Cut sheet of 5/8" plywood for the roof sheathing using the drawing below as a guide. You will need one 2'-10" x 5'-3 1/2" sheet and one 3'-11" x 5'-3 1/2" sheet.

9.2 Secure the plywood with 2" wood screws.



STEP 10

Assemble and Install Left Wall Door

10.1 Build the door frame using 3/4" x 3 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 1/2" that will be the horizontal girts, and one board cut to 4'-11 3/4" that will be cross brace.

10.2 Prepare the 5/8" plywood sheet with dimensions 2'-1 1/2" x 5'-4" for the door according to the drawing.

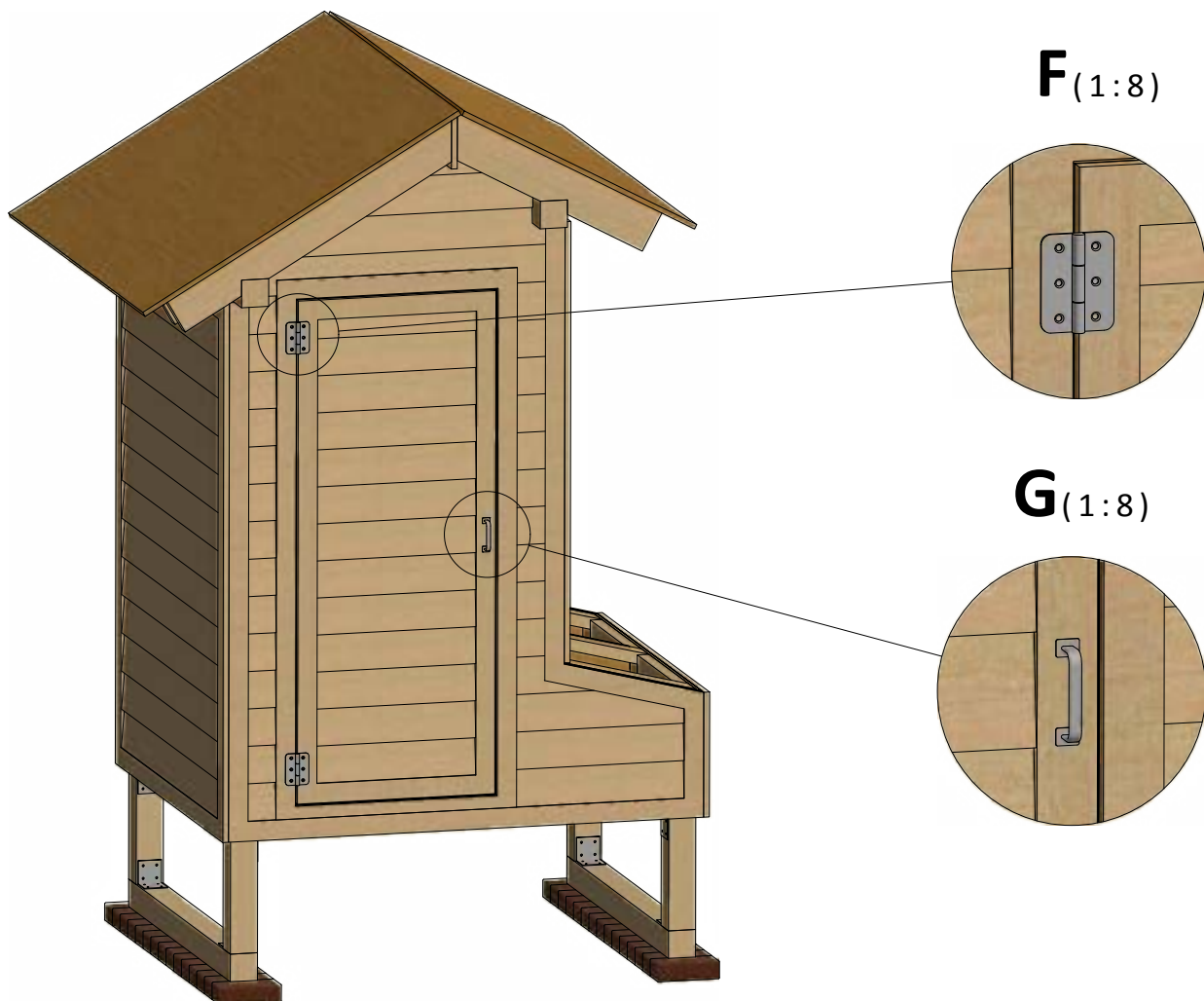
10.3 Use 3/4" x 2 1/2" pressure-treated lumber for the door trim and fasten with 2" wood screws. You will need two boards cut to 2'-1 1/2" and two boards cut to 4'-11".

10.4 Using 1/4" x 3/4" pressure-treated lumber, cut and install a starter course 1'-8 1/2" long.

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

10.6 Assemble siding shields with 2" galvanized nails.

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



STEP 11

Assemble and Install Window

11.1 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.

11.2 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.

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



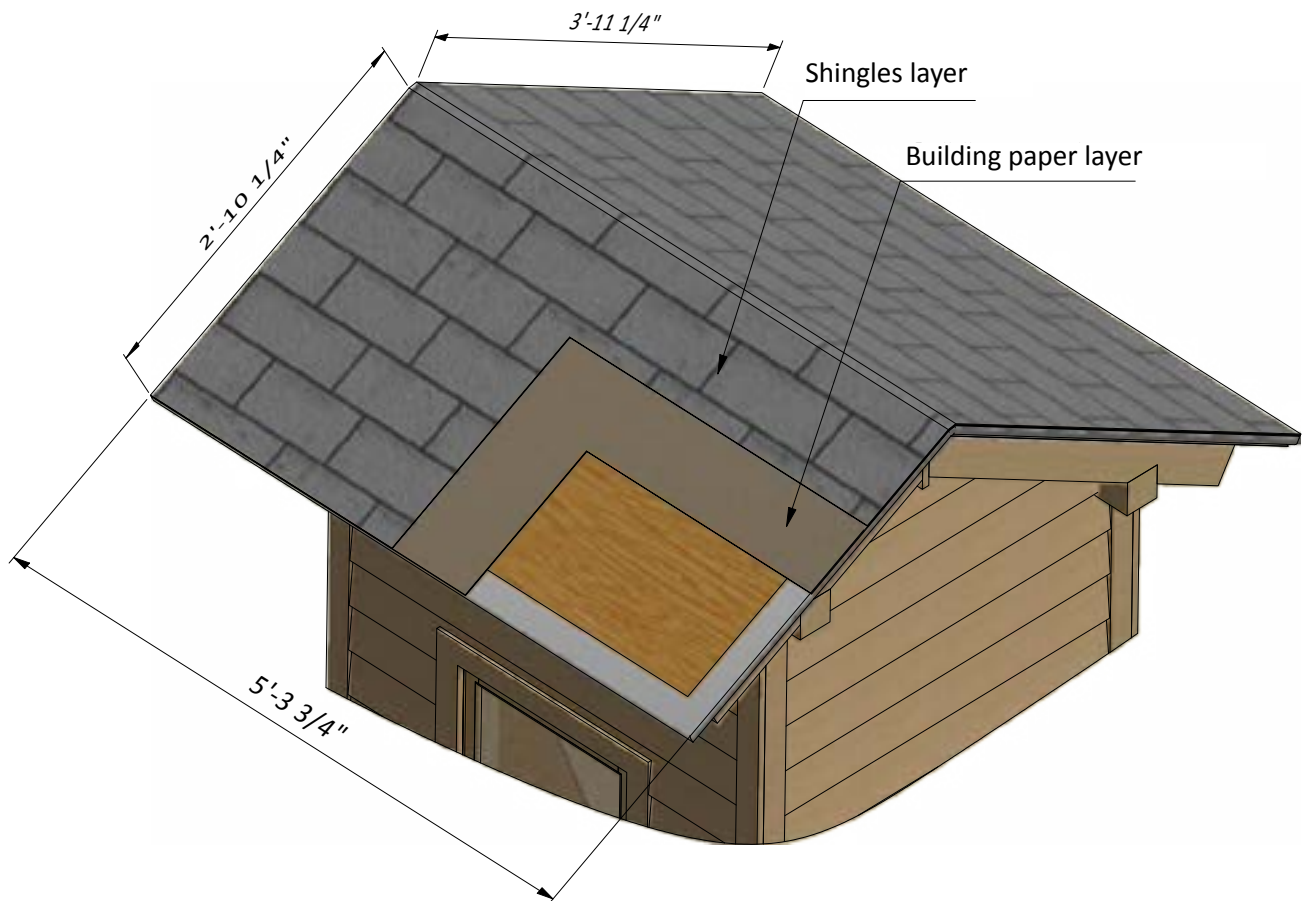
STEP 12

Coop's Roof Sheathing Installation

12.1 You will need 36 Sq Ft of building paper and asphalt shingle roofing.

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

12.3 Install asphalt shingle roofing using an industrial stapler.



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 1/2" and four boards cut to 2'-9 3/4".

13.2 Connect the beams with 2" wood screws.

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



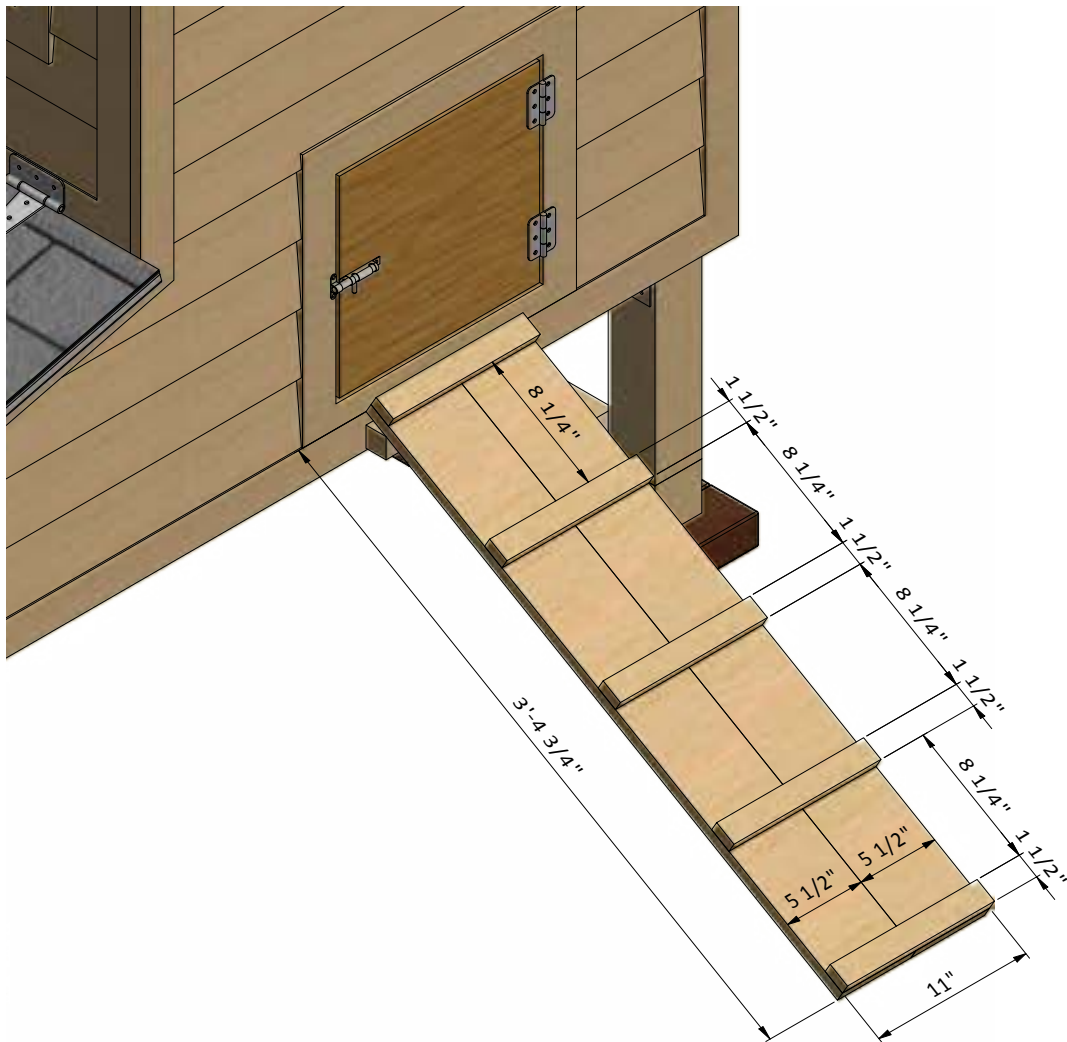
STEP 14

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

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	20	57
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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