EASY COOPS

STEP BY STEP

5'x10' Chicken Coop Plan

Up to 16 chickens

Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	19	55
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'x10' 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

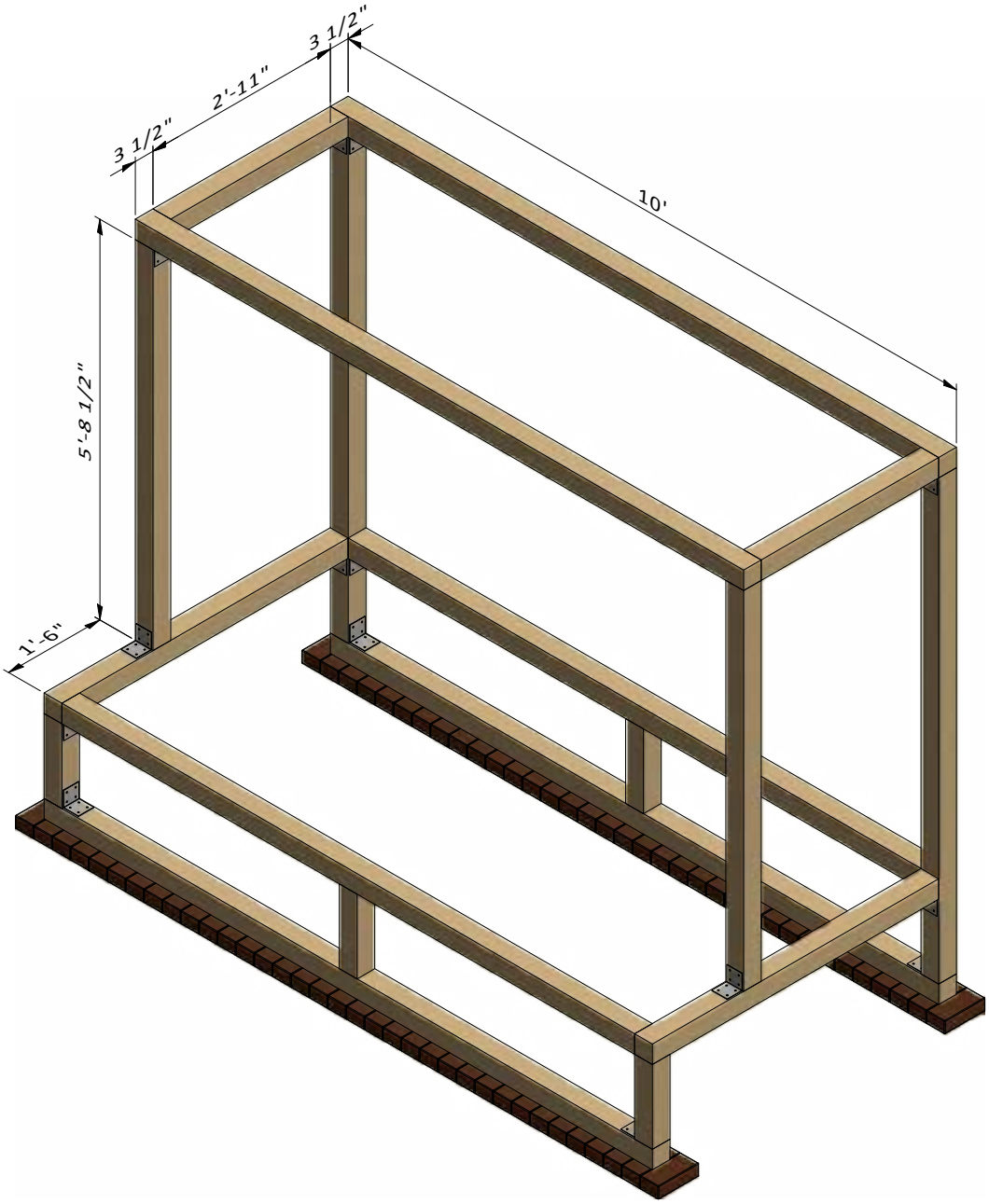
STEP 1

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 5'-8 1/2" that will be studs, two boards cut to 2'-11"and two boards cut to 10' 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°.



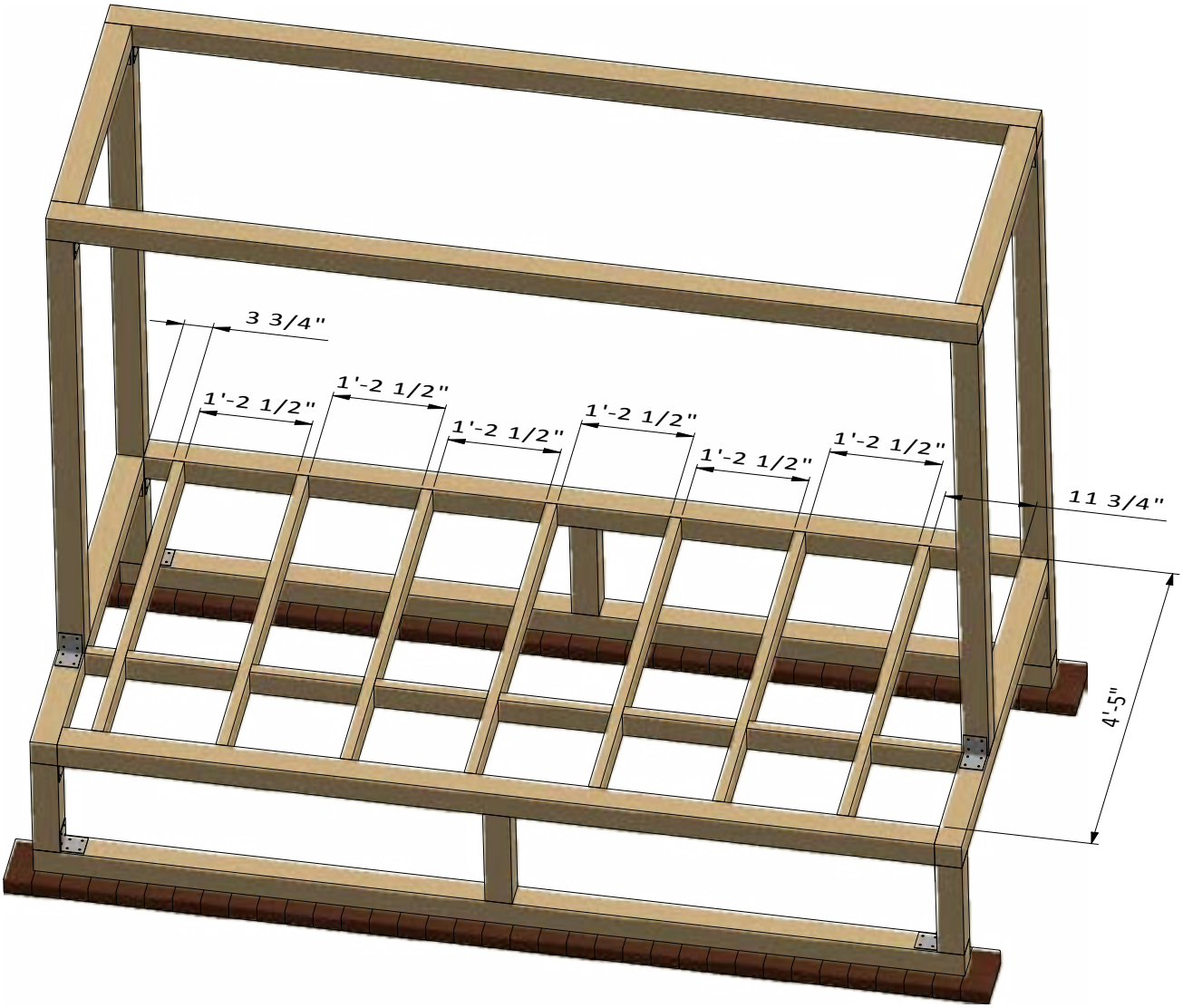
STEP 2

Assemble The Floor Frame

2.1 Using 1 1/2" x 3 1/2" pressure-treated material, cut eight rim joists and seven joists using the illustration below as a reference. You will need one board cut to 11 3/4", six boards cut to 1'-2 1/2" and one board cut to 3 3/4" that will be rim joists and seven boards cut to 4'-5" that will be joists.

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°.



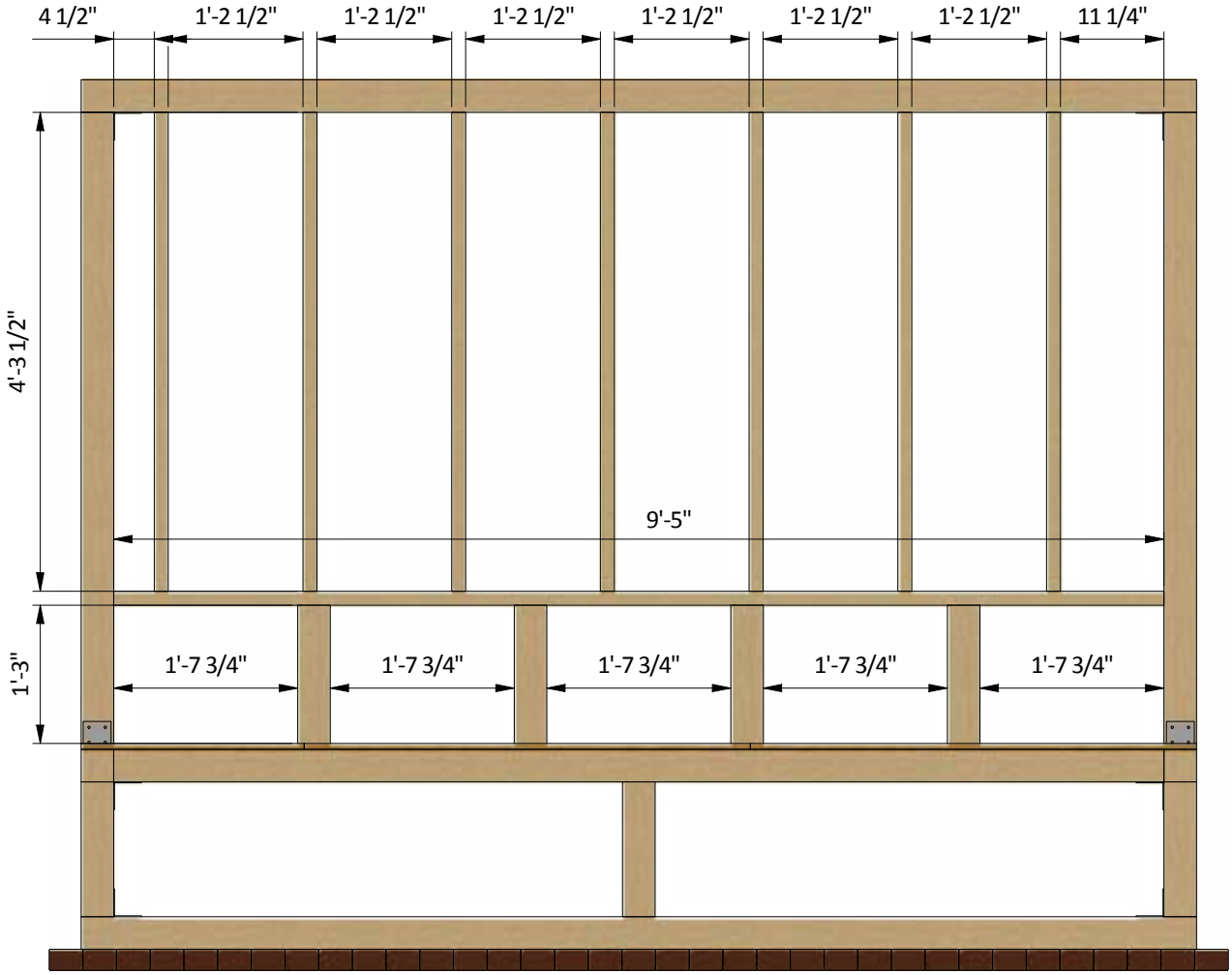
STEP 3

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 seven boards cut to 4'-3 1/2"and four boards cut to 1'-3" that will be studs and one board cut to 9'-5" that will be the bottom plate.

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°.



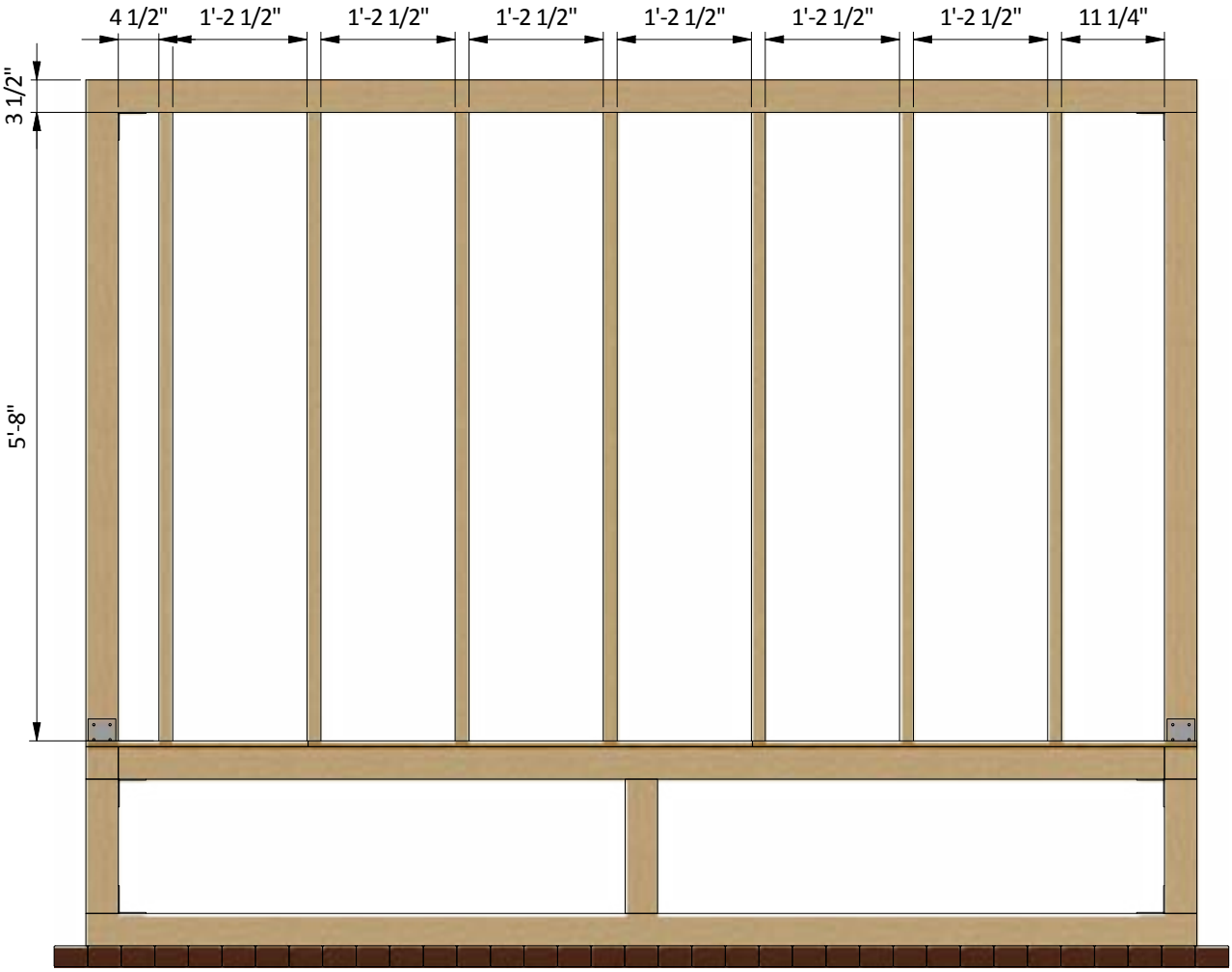
STEP 4

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 seven boards cut to 5'-8" 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°.



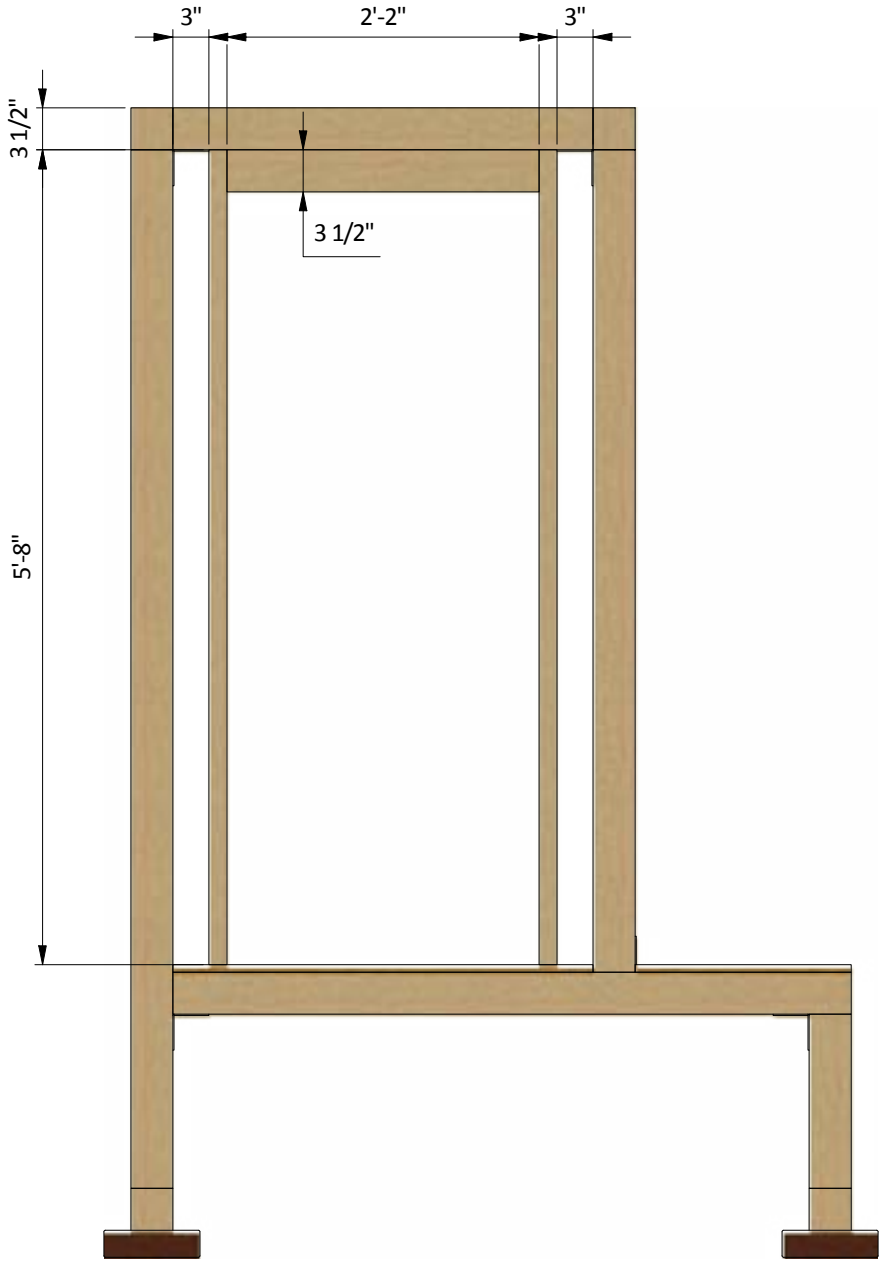
STEP 5

Assemble Left Side Wall Frame

5.1 Using 1 1/2" x 3 1/2" and 3 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'-8" that will be studs and one board cut to 2'-2" that will be door header.

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°.



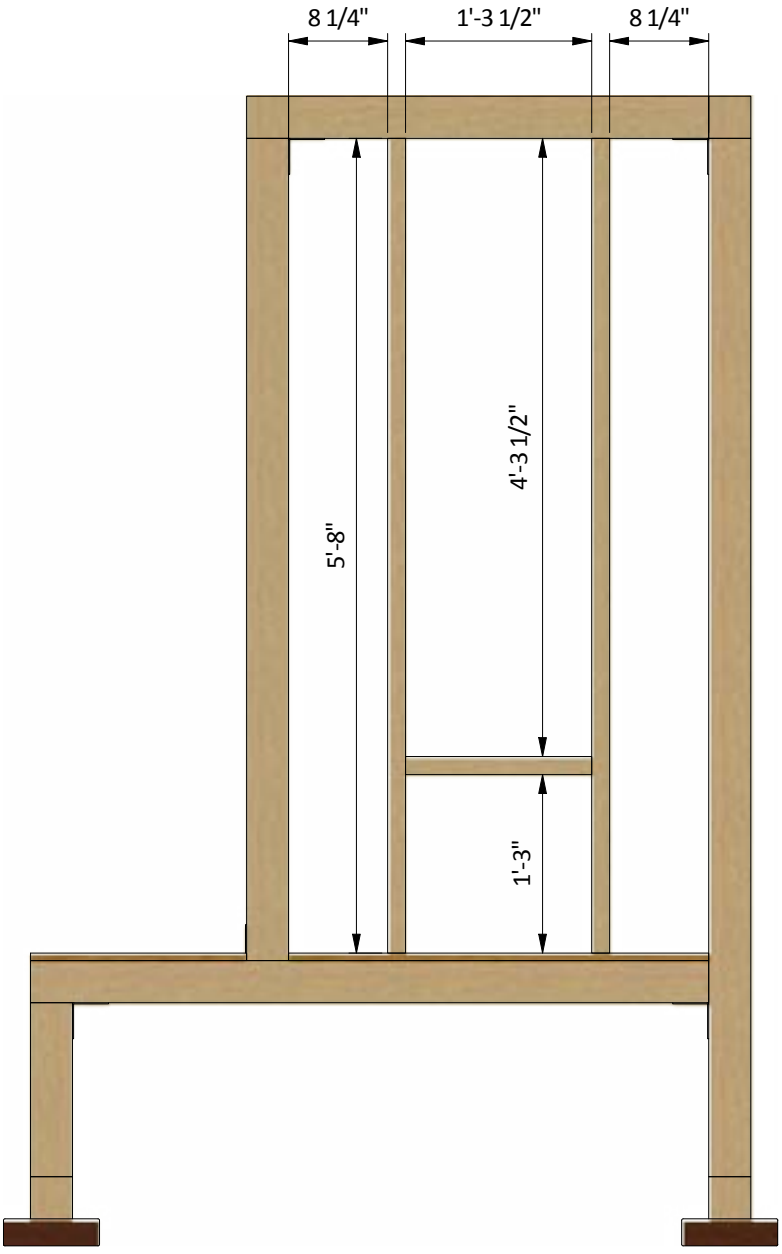
STEP 6

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'-8" 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

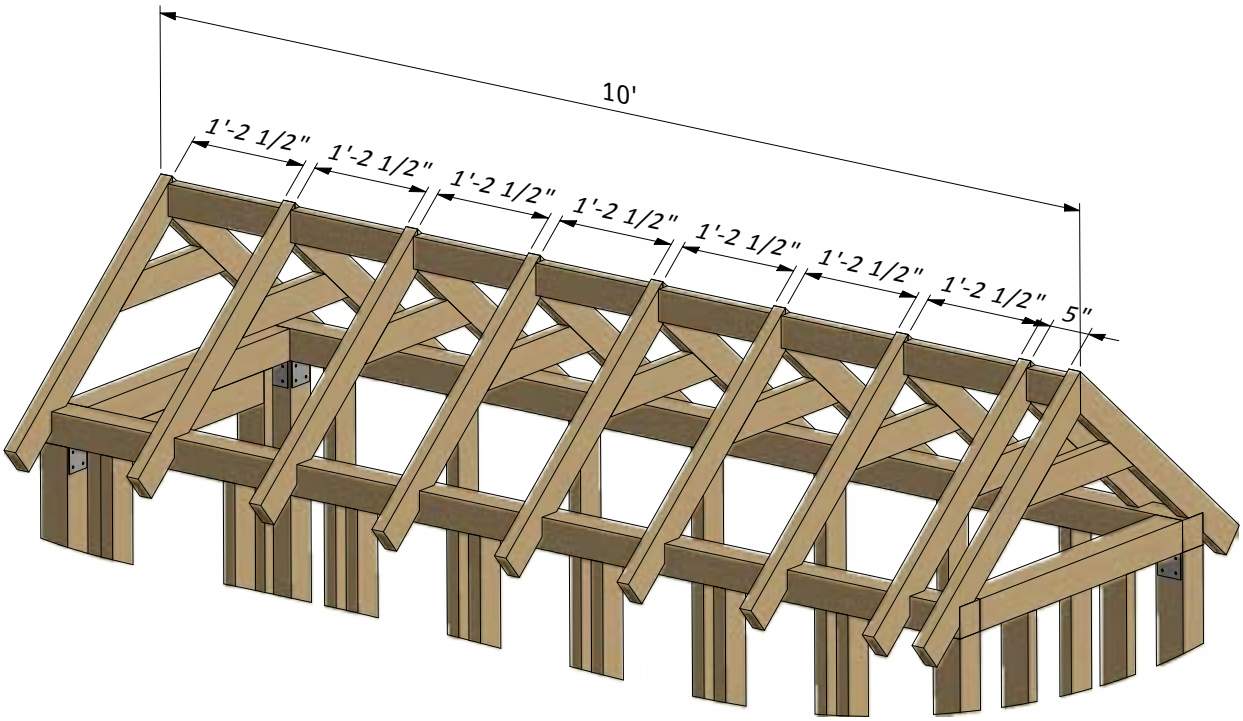
Assemble the Roof Frame

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

7.2 Using 1 1/2" x 3 1/2" pressure-treated lumber, cut nine collar ties 1'-6 1/4" long according to the dimensions in drawings below.

7.3 Using 1 1/2" x 3 1/2" pressure-treated board, cut seven boards 1'-2 1/2" long and one board 5" long that will be ridge boards according the illustration below.

7.4 Connect the beams with 3" wood screws.

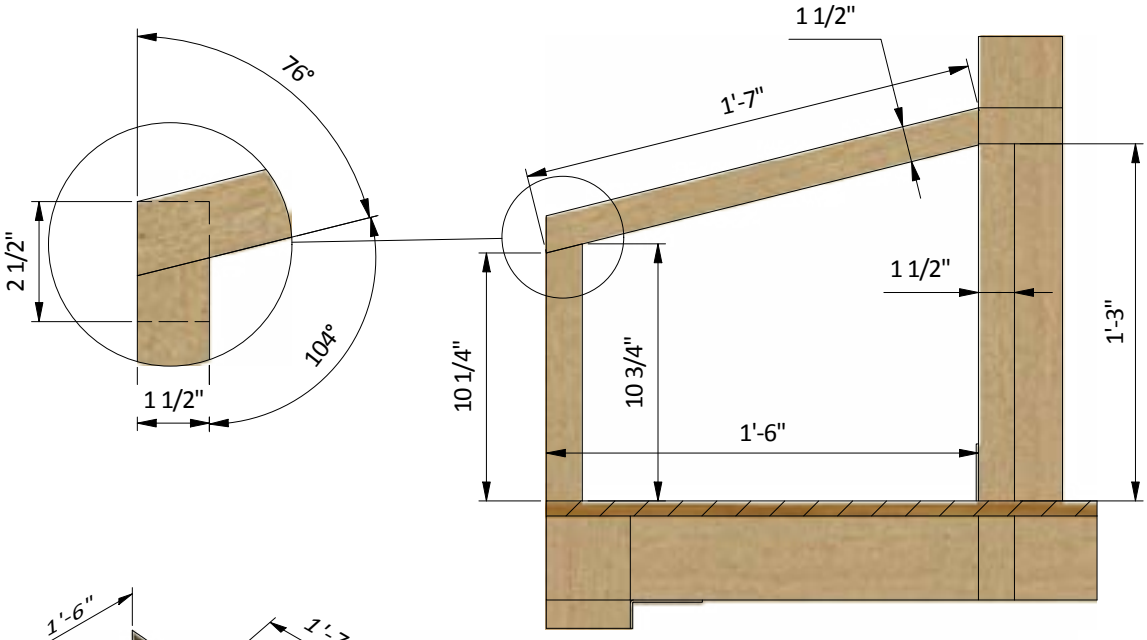


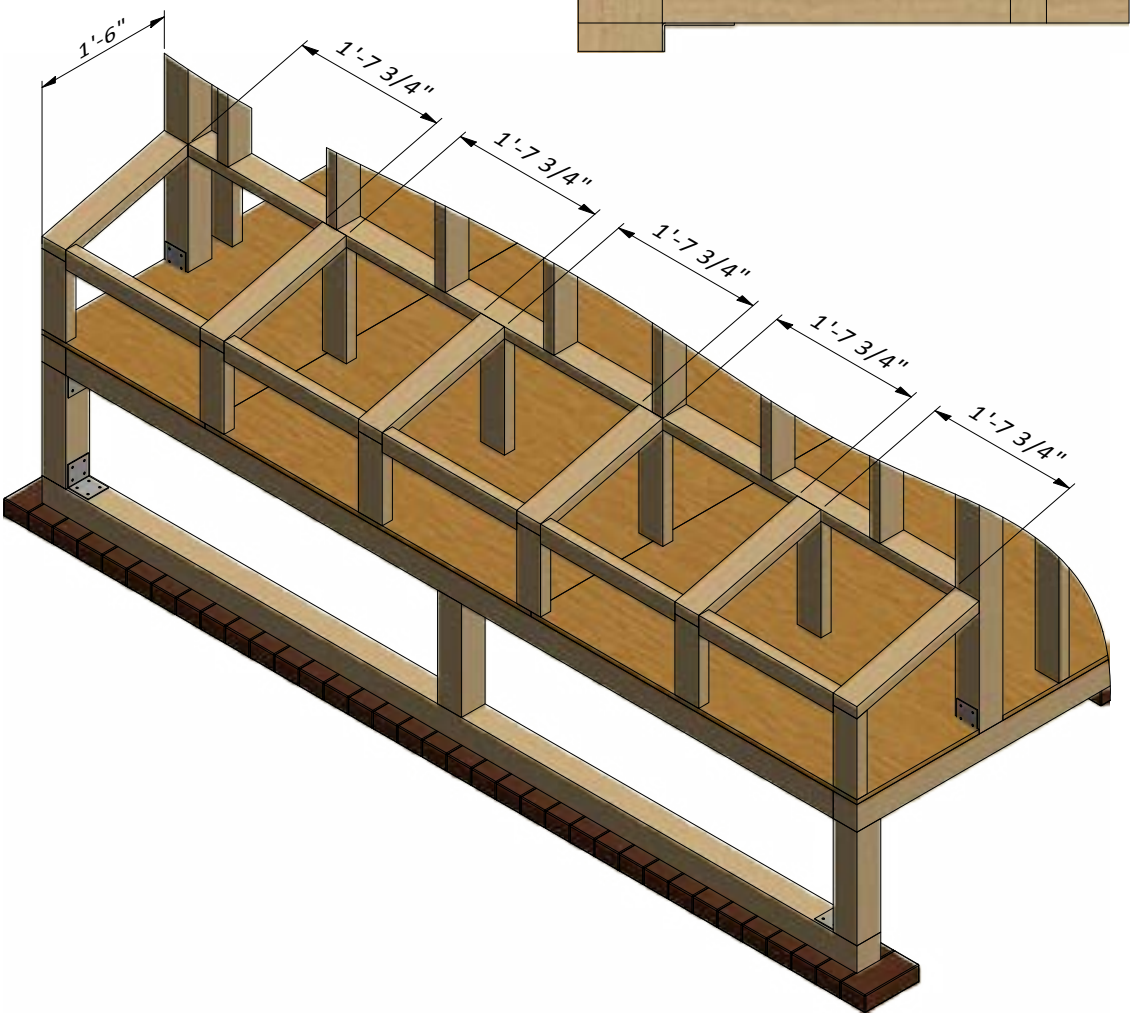
STEP 8

Nesting Box Assembly

8.1 Using 1 1/2" x 2 1/2" and 1 1/2" x 3 1/2" material, assemble the frame for the nesting box using the illustration below as a guide. You will need six boards cut to 1'-7", six boards cut to 10 3/4" and five boards cut to 1'-7 3/4" that will be girts.

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





STEP 9

Assemble and Install Left Wall Door

9.1 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.

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

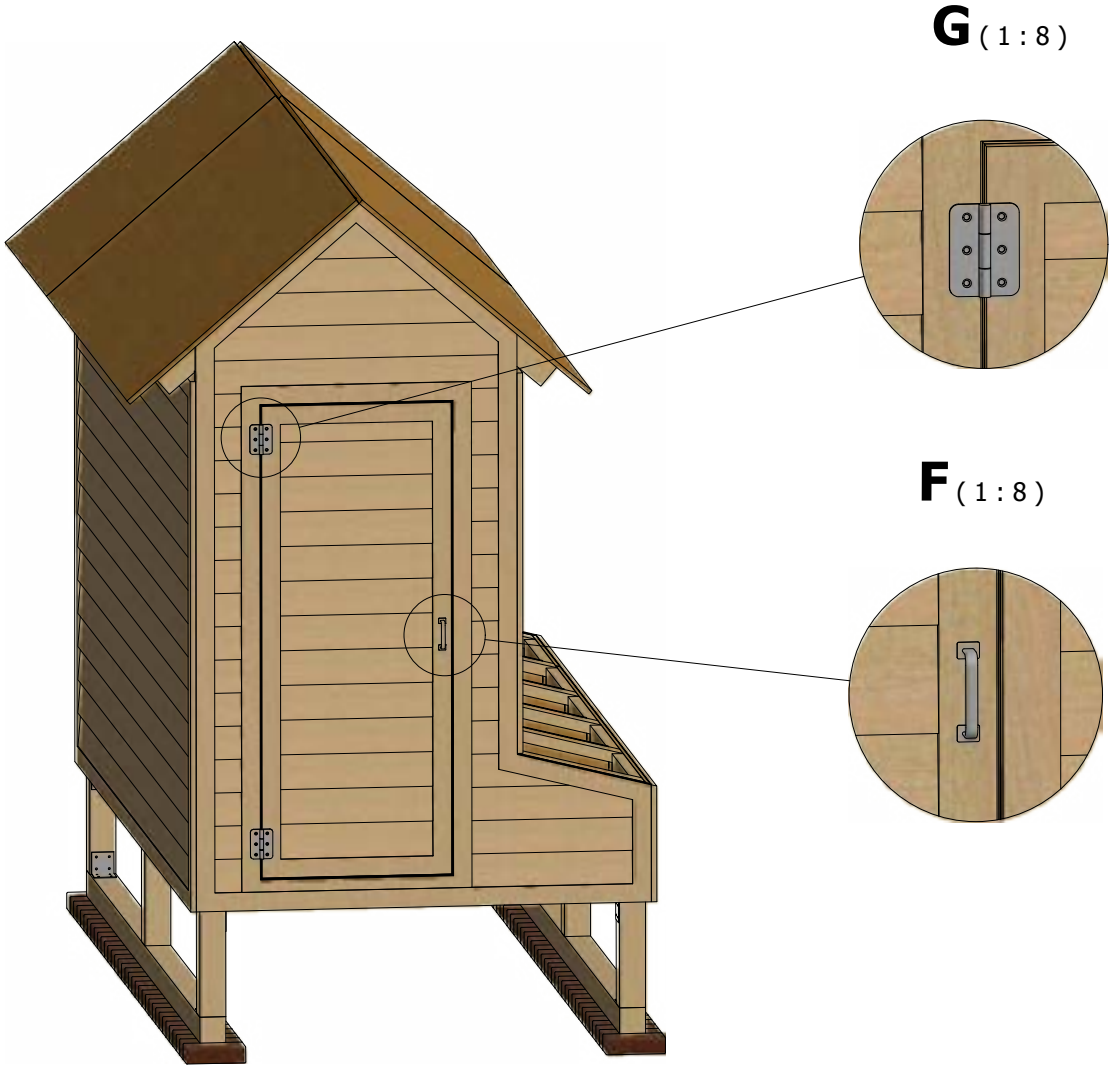
9.3 Use 3/4" x 2 1/2" pressure-treated lumber for the door trim and fasten with 2" wood screws. You will need two boards cut to 2'-1 1/2" and two boards cut to 4'-11".

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

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

9.6 Assemble siding shields with 2" galvanized nails.

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



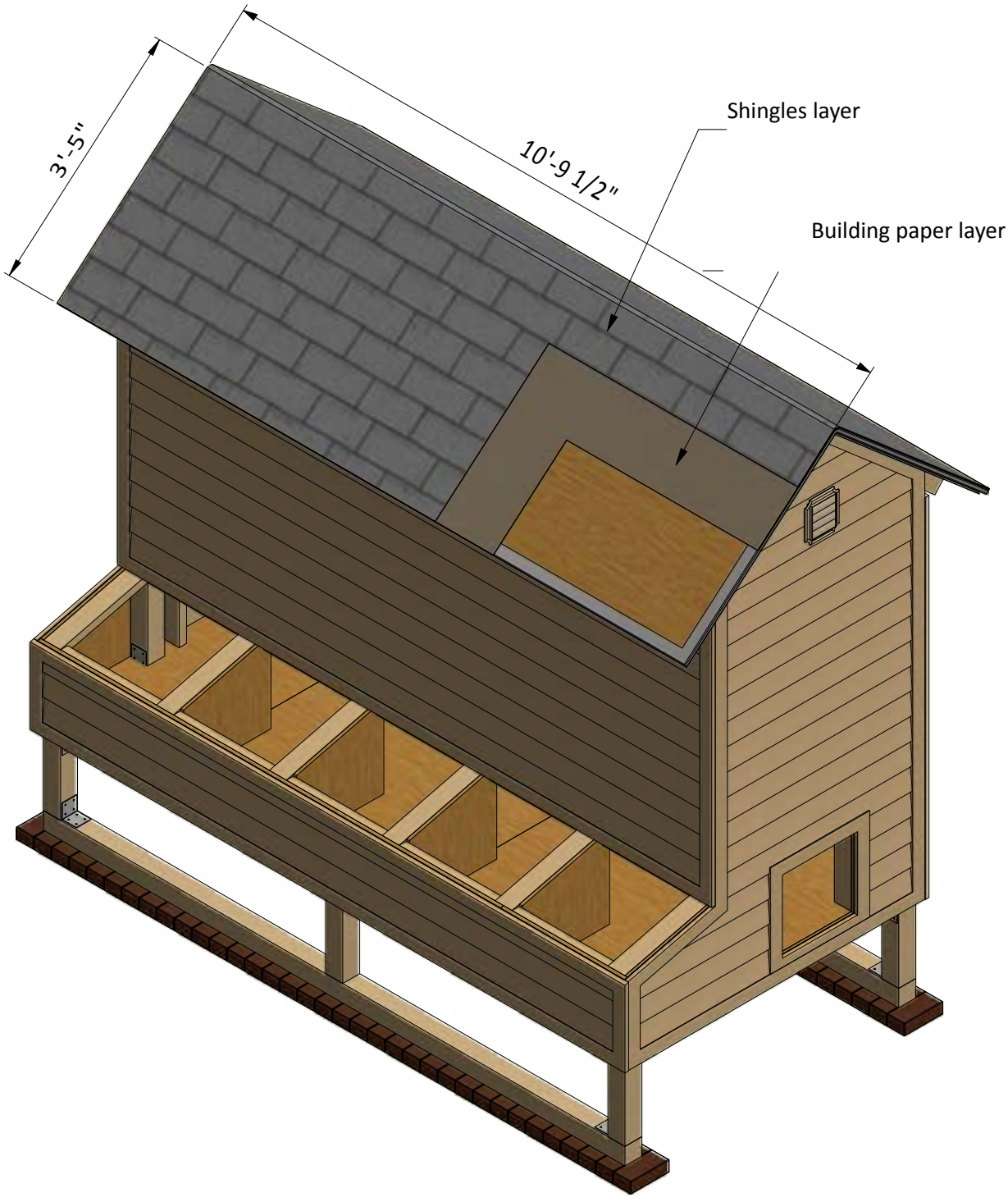
STEP 10

Coop's Roof Sheathing Installation

10.1 You will need 75 Sq Ft of building paper and asphalt shingle roofing.

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

10.3 Install asphalt shingle roofing using an industrial stapler.

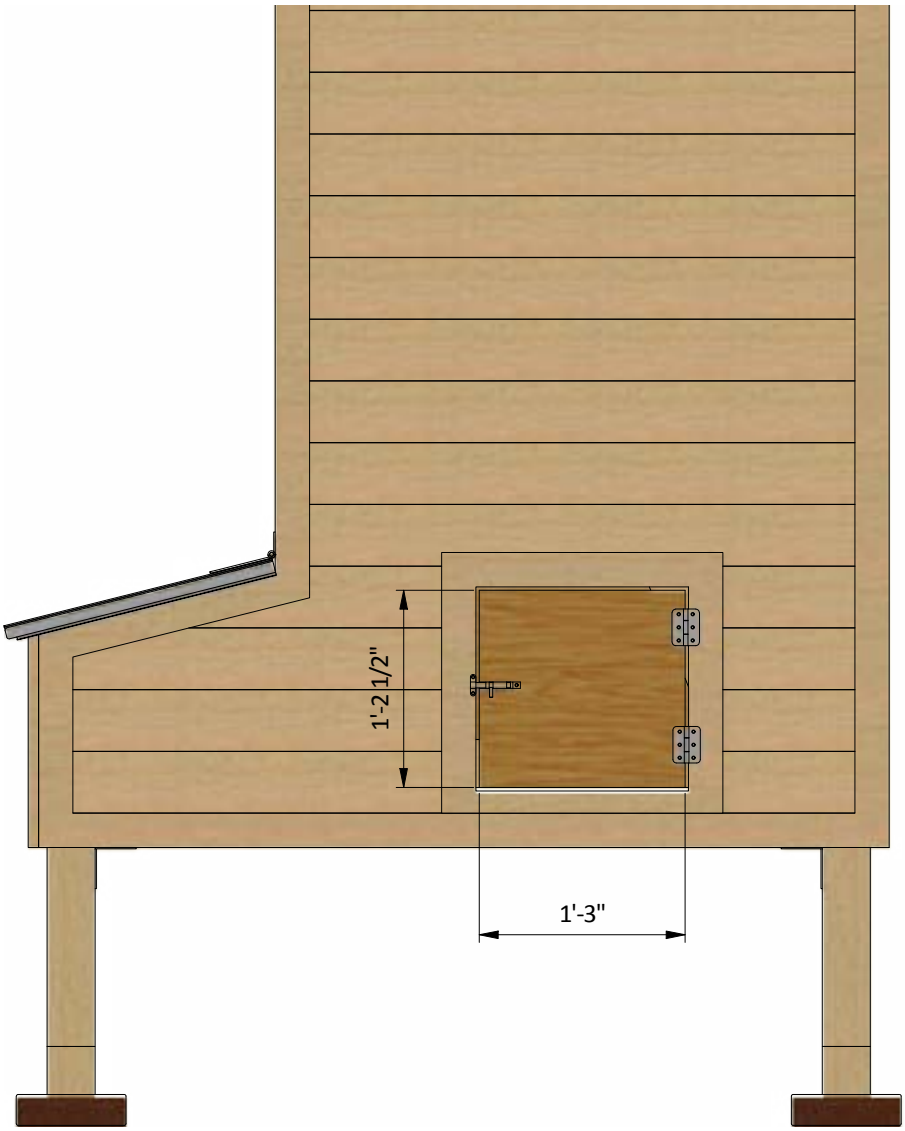


STEP 11

Assemble the Chicken Door

11.1 Prepare the 5/8" plywood sheet with dimensions 1'-2 1/2" x 1'-3" for the chicken door according to the drawing.

11.2 Install two 2" door hinges using 1" wood screws.
Finish the door installation by attaching 4" surface bolt.



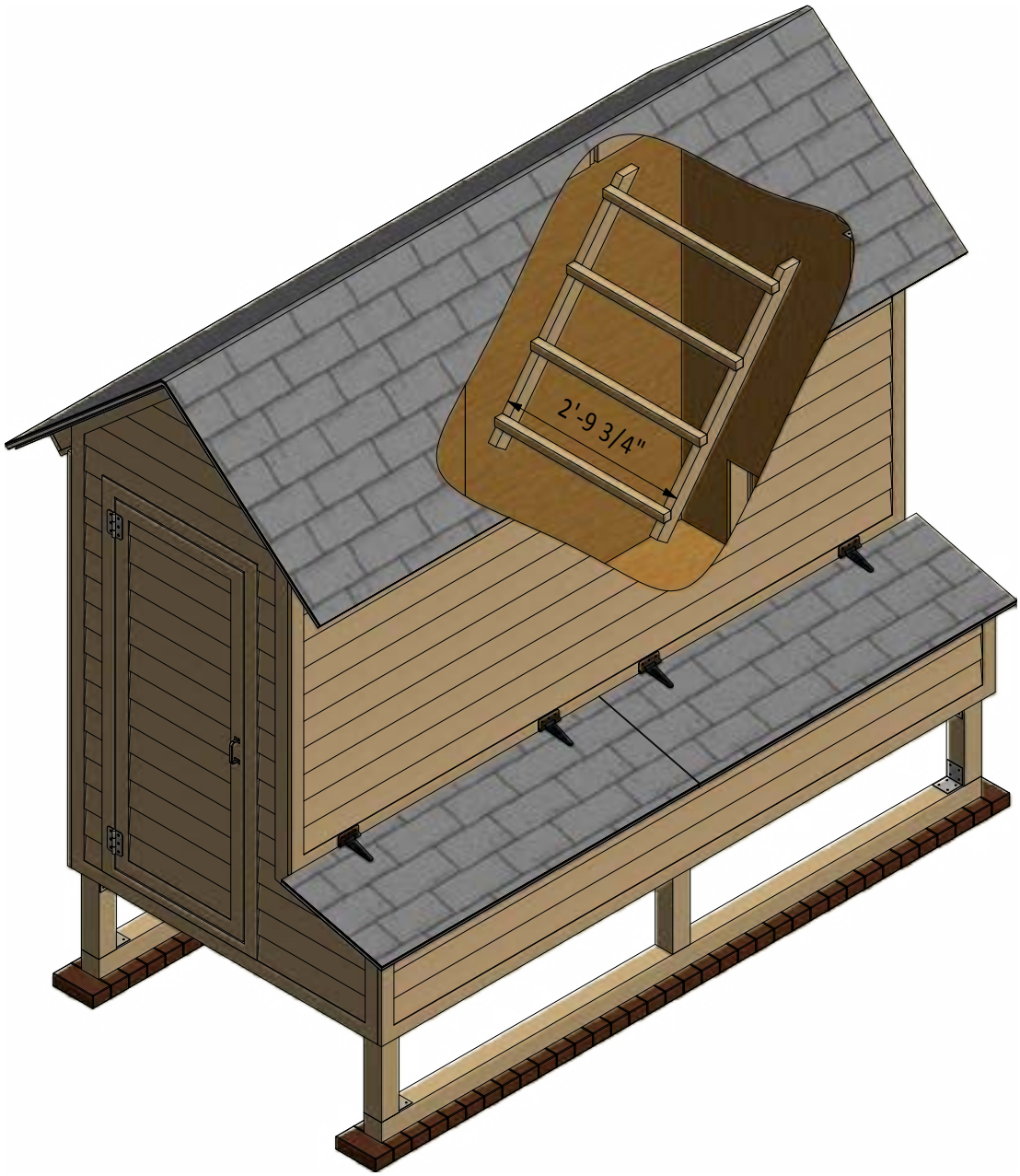
STEP 12

Assemble The Roost

12.1 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".

12.2 Connect the beams with 2" wood screws.

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



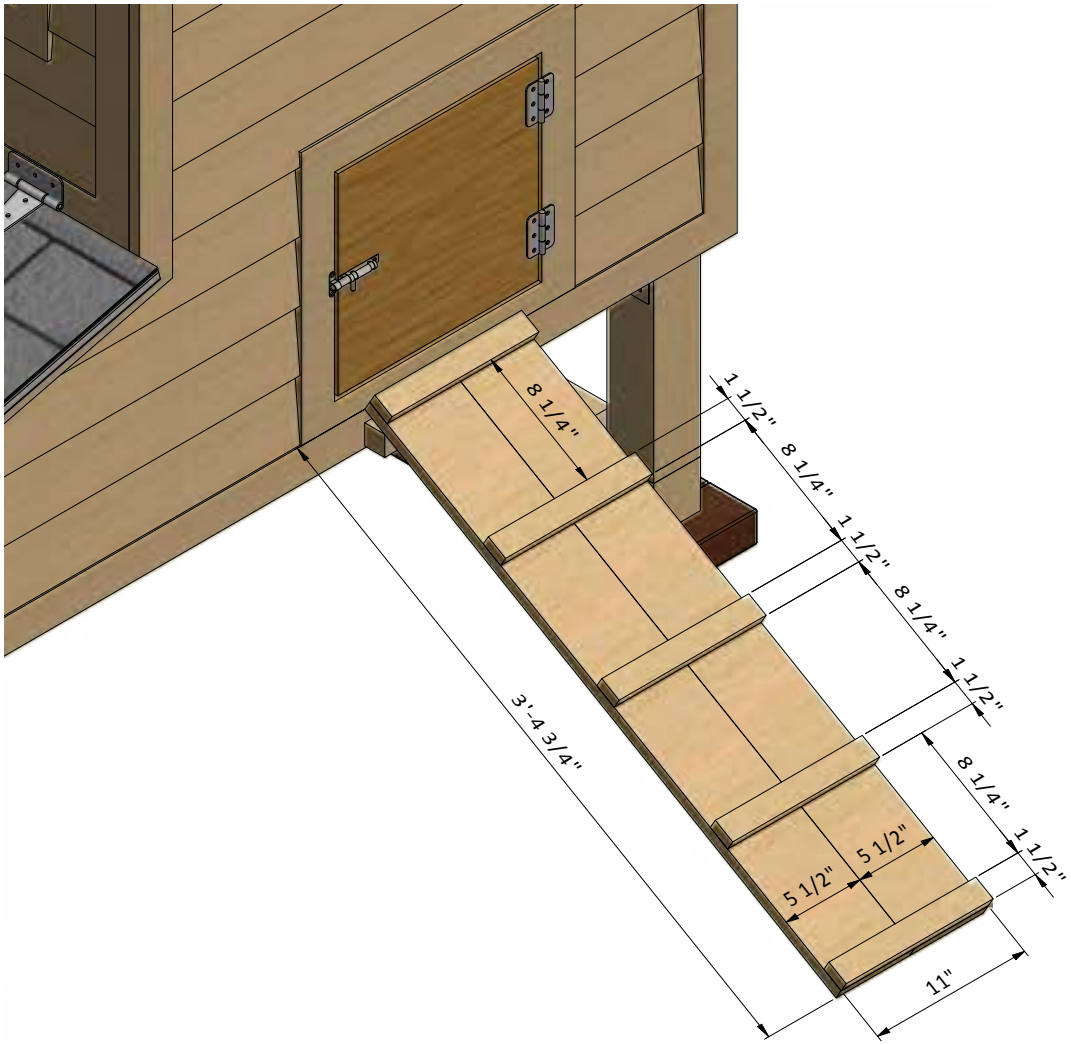
STEP 13

Assemble The Chicken Ladder

13.1 Assemble the ladder using 3/4" x 1 1/2" and 3/4" x 5 1/2" pressure-treated material. You will need two boards cut to 3'-4 3/4" and four boards cut to 11".

13.2 Connect the beams with 2" wood screws.

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



STEP 14

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	19	55
Illustrations for Each Step	✓	✓
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Full Materials and Cuttings List	✗	✓
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Additional Blueprints	✗	✓
Tools List	✗	✓
Fastening Elements List	✗	✓
Technical Support	✗	✓

TRY PREMIUM

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