EASY COOPS

STEP BY STEP

2'x4' Chicken Coop Plan

Up to 6 chickens

Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	21	68
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

2'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

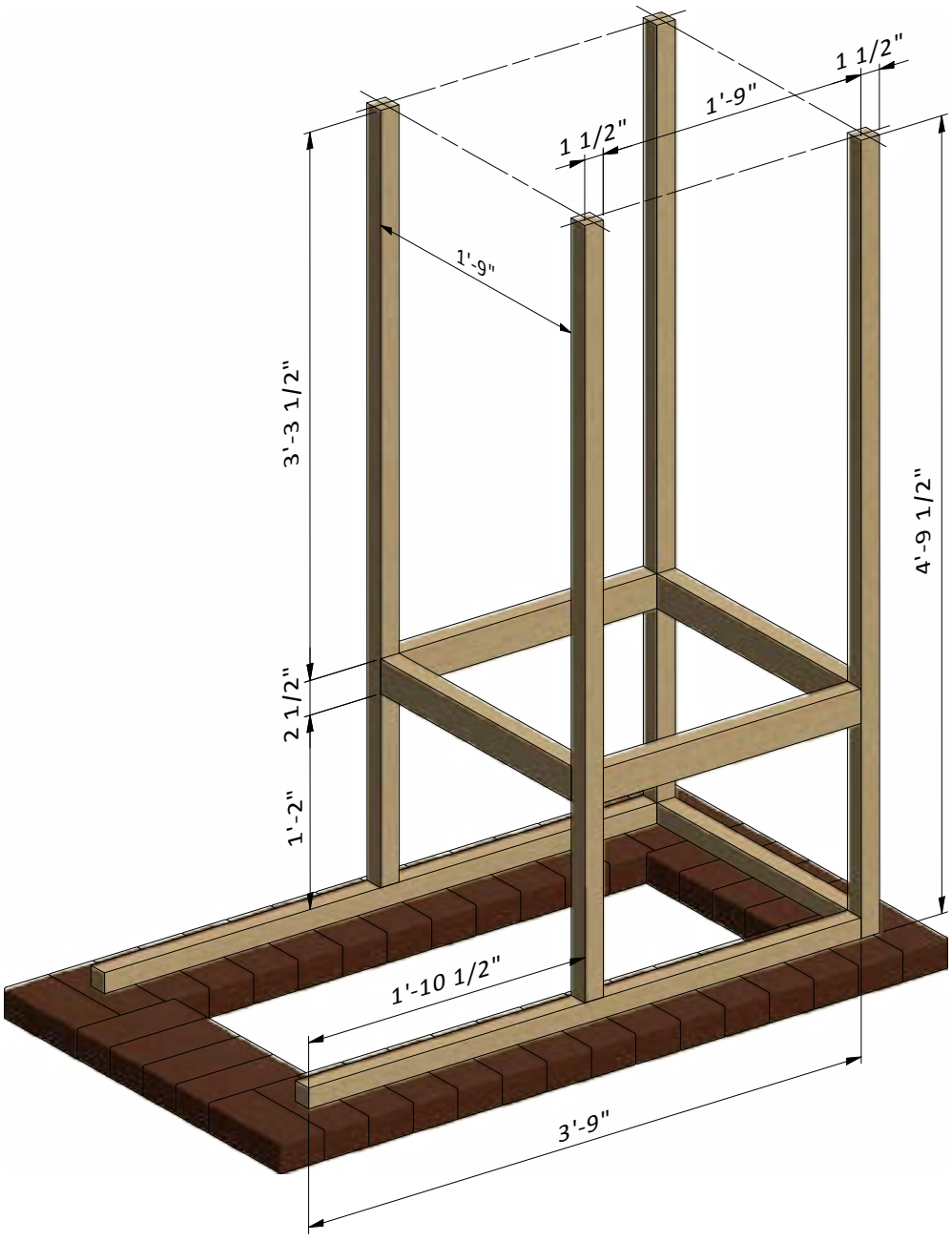
STEP 1

Assemble the Main Frame

1.1 Using 1 1/2" x 1 1/2" and 1 1/2" x 2 1/2" pressure-treated lumber, install the wall studs using the drawing below as a reference. You will need four boards cut to 4'-9 1/2" that will be studs, four boards cut to 1'-9" that will be joists, two boards cut to 3'-9" and one board cut to 1'-9" that will be bottom plates.

1.2 Secure the beams to the bottom rails with 3" wood screws.

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



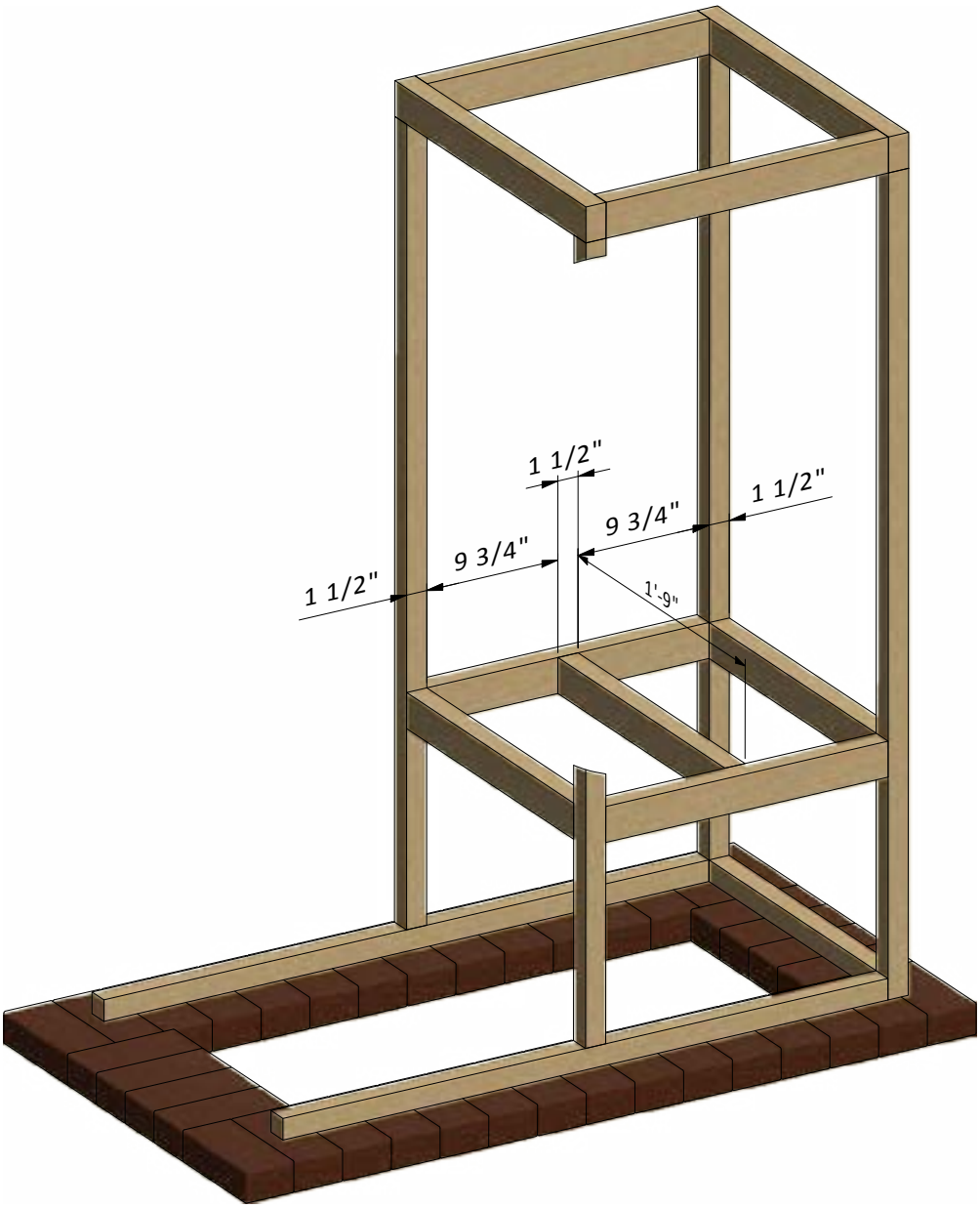
STEP 2

Assemble The Floor Frame

2.1 Using 1 1/2" x 2 1/2" pressure-treated material, cut one joist and assemble using the illustrations below as a reference. You will need one board cut to 1'-9".

2.2 Connect the beams with 5" wood screws.

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



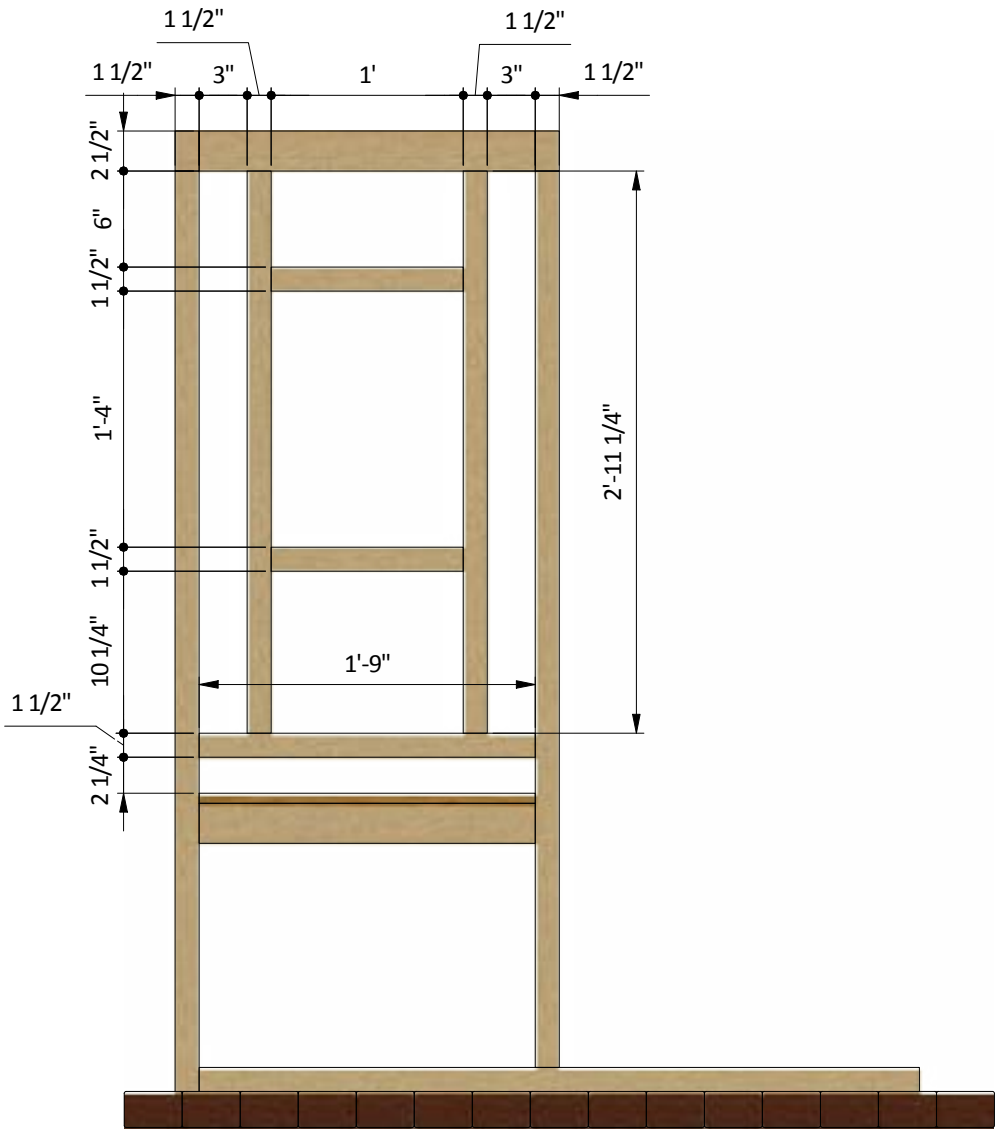
STEP 3

Assemble Back Side Wall Frame

3.1 Using 1 1/2" x 1 1/2" pressure-treated lumber, construct back side wall frame using the drawing below as a reference. You will need two boards cut to 2'-11 1/4" that will be studs, two boards cut to 1' that will be the window header and rough sill and one board cut to 1'-9" that will be bottom plate.

3.2 Connect the beams with 2x3" wood screws.

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



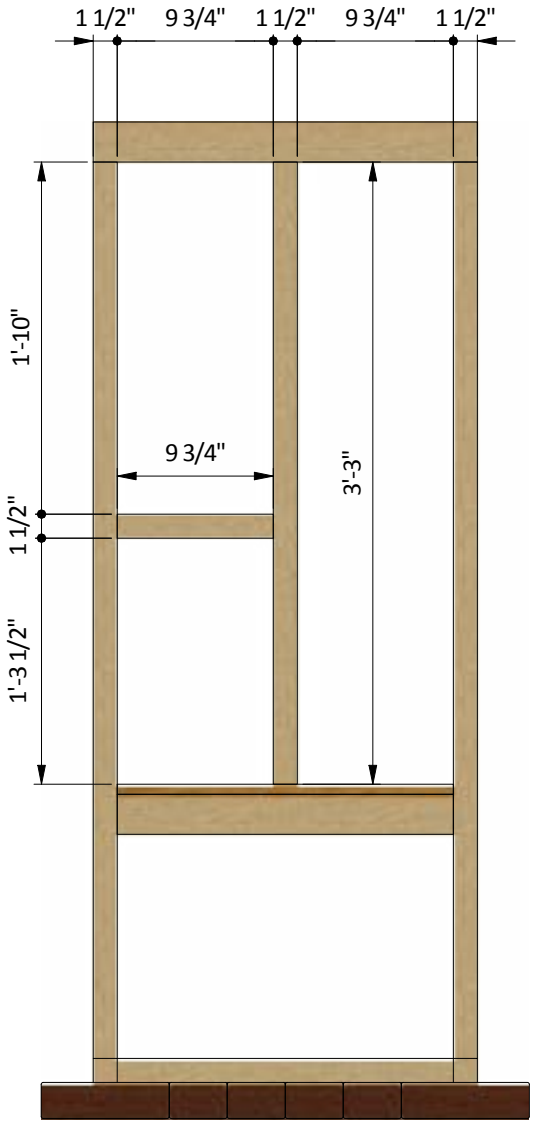
STEP 4

Assemble Left Side Wall Frame

4.1 Using 1 1/2" x 1 1/2" pressure-treated lumber, construct left side wall frame using the drawing below as a reference. You will need one boards cut to 3'-3" that will be stud and one board cut to 9 3/4" that will chicken door header.

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

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



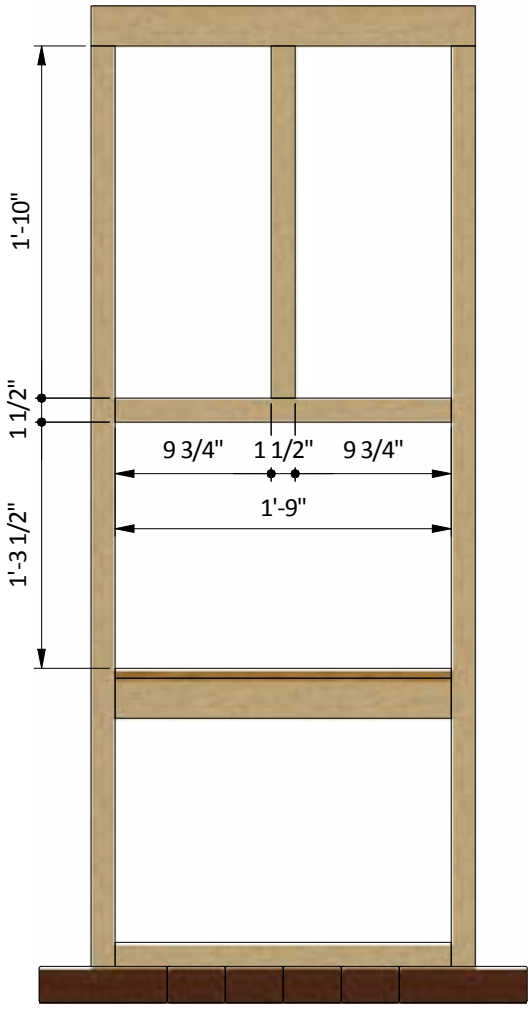
STEP 5

Assemble Right Side Wall Frame

5.1 Using 1 1/2" x 1 1/2" pressure-treated lumber, construct right side wall frame using the drawing below as a reference. You will need one board cut to 1'-10" that will be stud and one board cut to 1'-9" that will be bottom plate

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

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



STEP 6

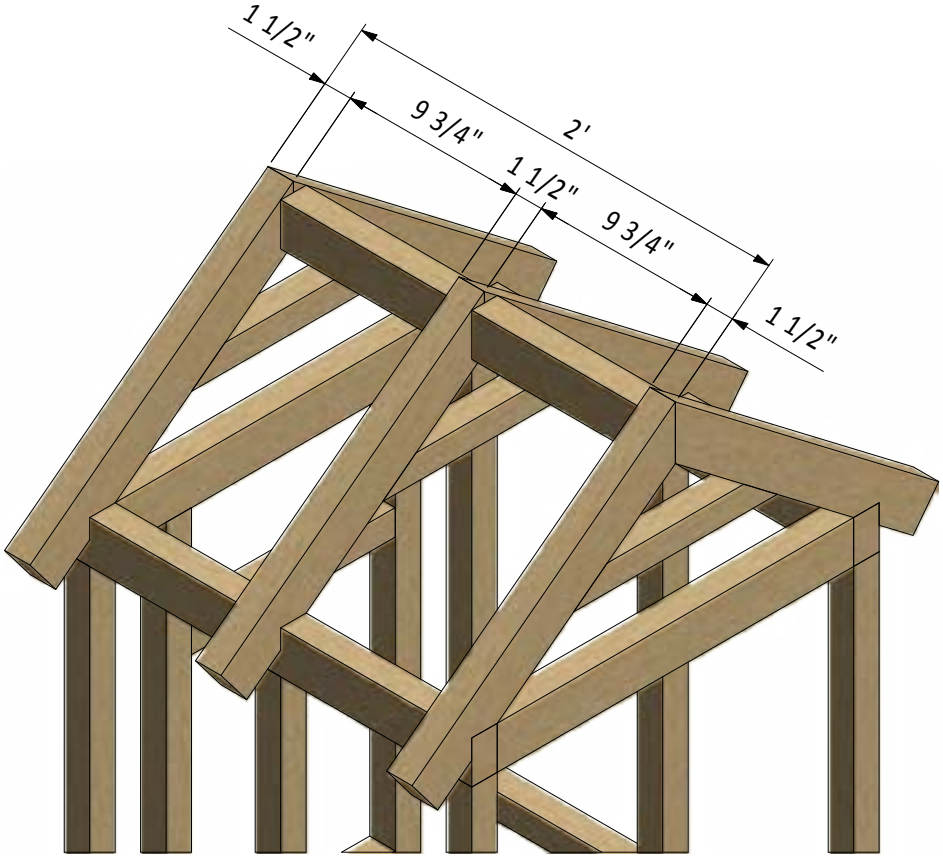
Assemble the Roof Frame

6.1 Using 1 1/2" x 2 1/2" pressure-treated lumber, cut six rafters 1'-7 1/2" long according to the dimensions in drawings below.

6.2 Using 1 1/2" x 1 1/2" pressure-treated lumber, cut three collar ties 1' long according to the dimensions in drawings below.

6.3 Using 1 1/2" x 2 1/2" pressure-treated board, cut two boards 9 3/4" long that will be ridge boards according the illustration below.

6.4 Connect the beams with 3" wood screws.

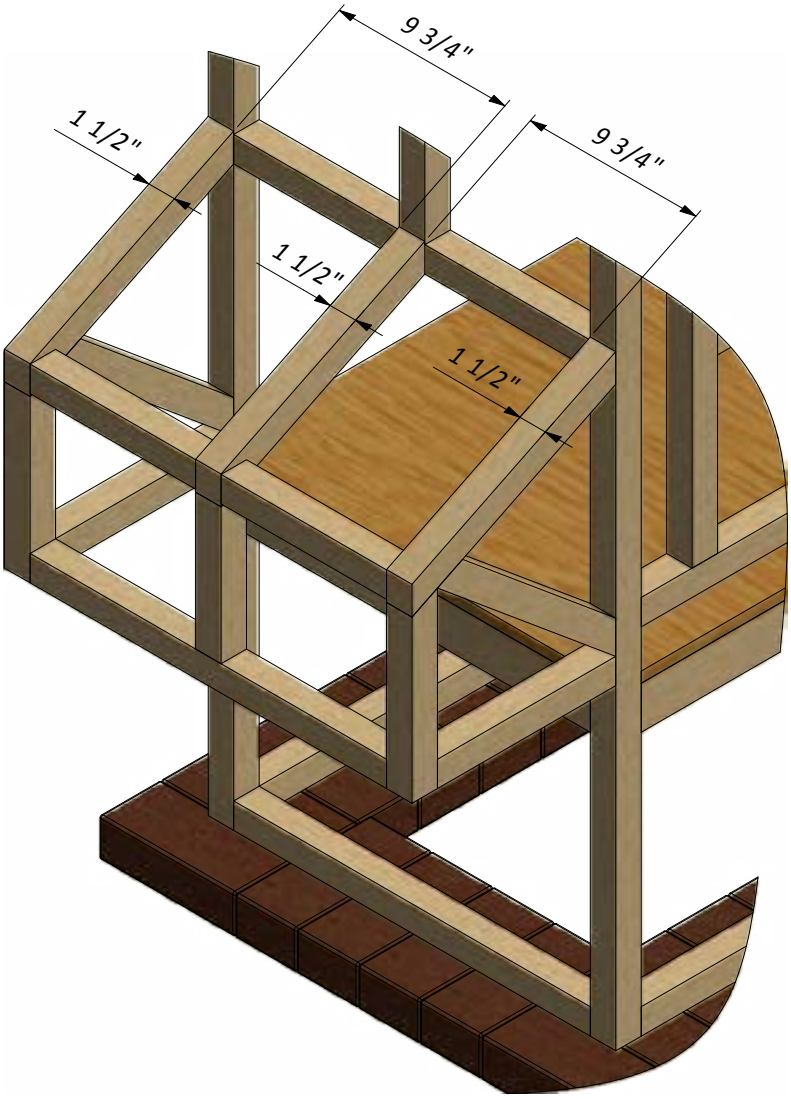


STEP 7

Nesting Box Frame Assembly

7.1 Using 1 1/2" x 1 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'-2" and two boards cut to 9 3/4" that will be girts, two boards cut to 10 1/4" and one board cut to 8 3/4" that will be studs, two boards cut to 1'- 1 3/4" that will be cross braces, two boards cut to 10 1/2" and one board cut to 1'-9" that will be bottom girts.

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



STEP 8

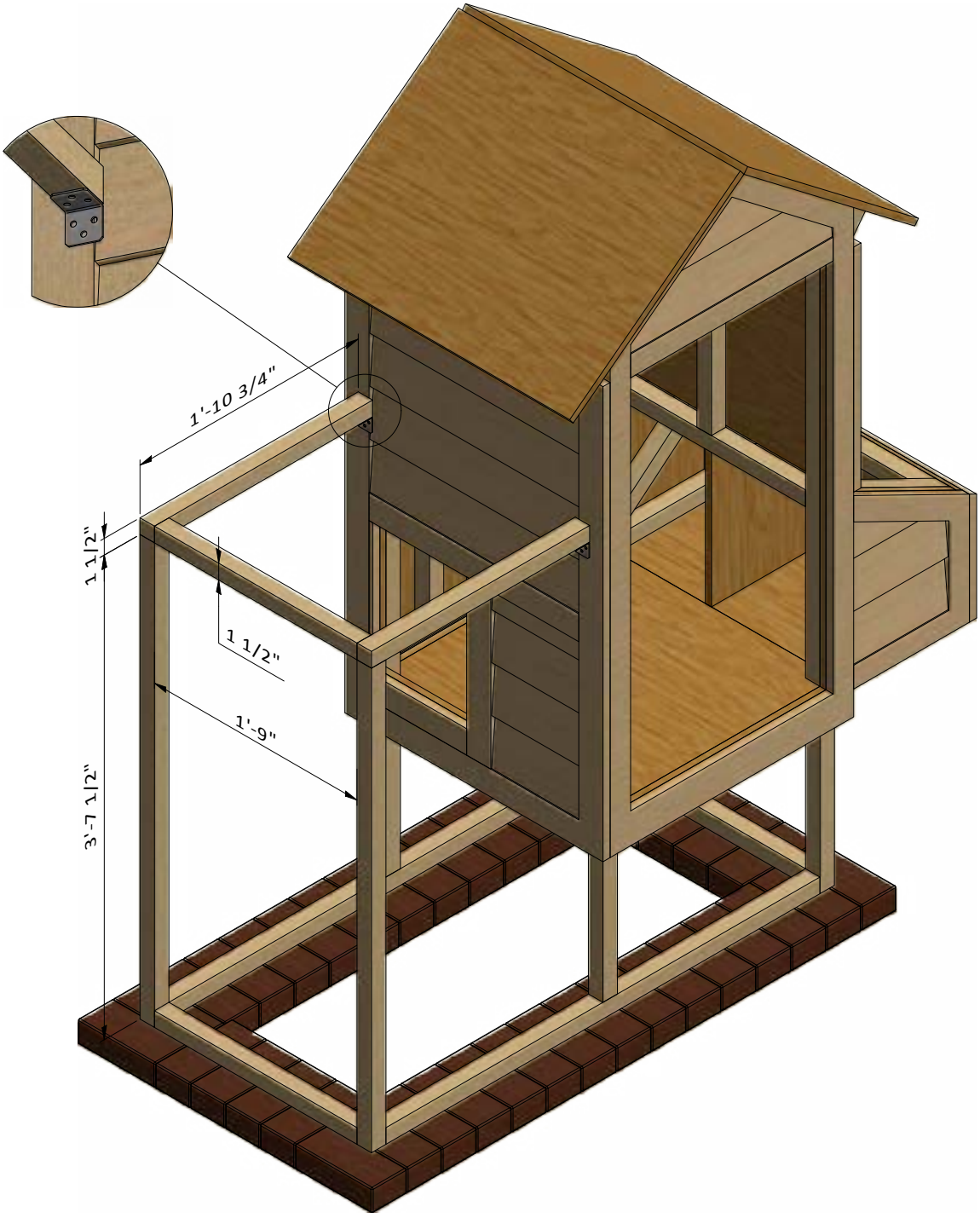
Assemble The Aviary Frame

8.1 Assemble the top plates using 1 1/2" x 1 1/2" pressure-treated material.
You will need two boards cut to 1'-10 3/4, two boards cut to 1'-9" and two boards cut to 3'-7 1/2".

8.2 Connect the beams with 5" wood screws.

8.3 Install two 1 1/2" x 1 1/2" corner brackes with help of 1" screws

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



STEP 9

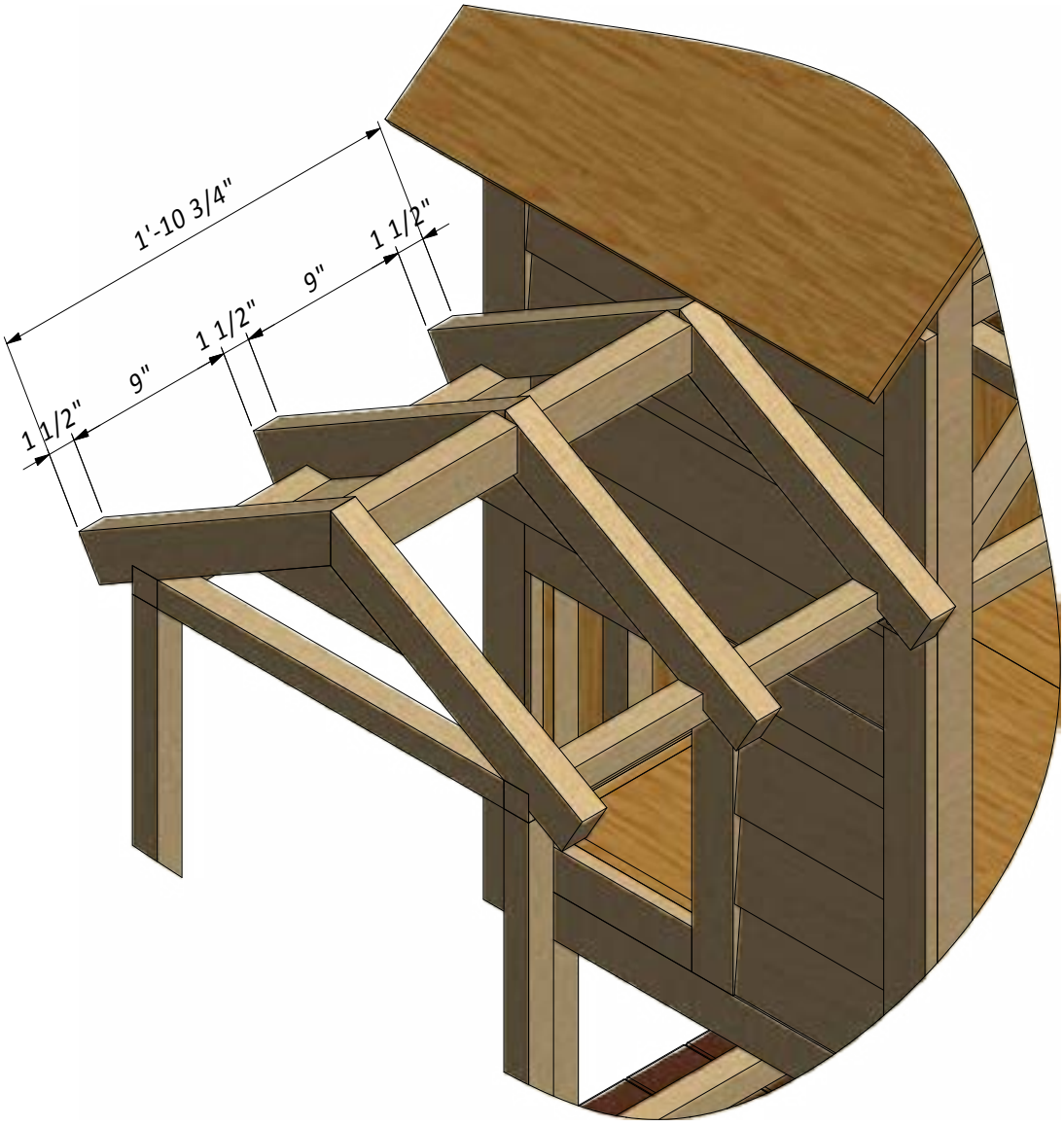
Assemble the Aviary Roof Frame

9.1 Using 1 1/2" x 2 1/2" pressure-treated lumber, cut six rafters 1'-5 1/2" long according to the dimensions in drawings below.

9.2 Using 1 1/2" x 2 1/2" pressure-treated lumber, cut three collar ties 8 3/4" long according to the dimensions in drawings below.

9.3 Using 1 1/2" x 2 1/2" pressure-treated board, cut two boards 9" long that will be ridge boards according the illustration below.

9.4 Connect the beams with 3" wood screws.



STEP 10

Assemble and Install Front Door

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

10.2 Prepare the 5/8" plywood sheet with dimensions 1'-8 3/4" x 3'-2 3/4" for the door according to the drawing.

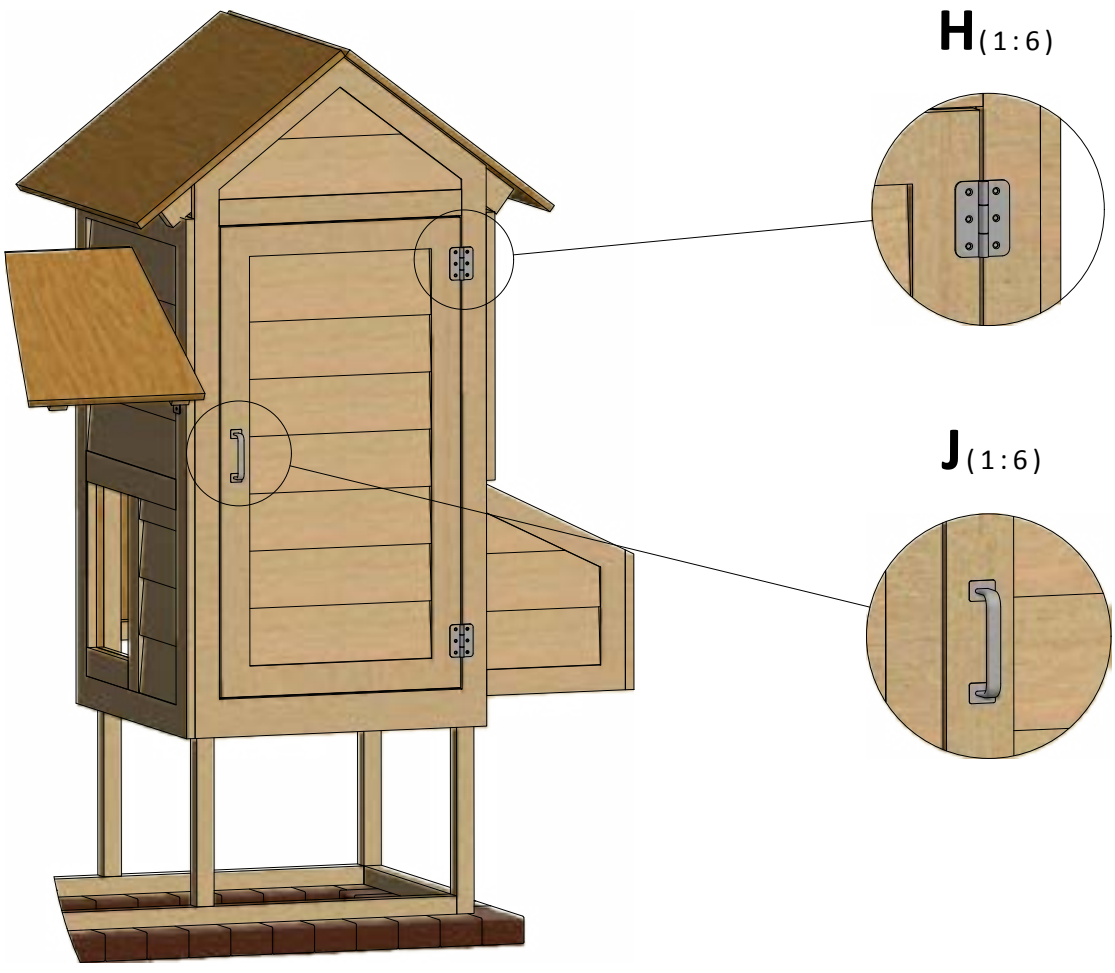
10.3 Use 3/4" x 2 1/2" pressure-treated lumber for the door trim and fasten with 2" wood screws. You will need two boards cut to 1'-3 3/4" and two boards cut to 3'-2 3/4".

10.4 Using 1/4" x 3/4" pressure-treated lumber, cut and install a starter course 1'-3 3/4" 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 **H, J**).



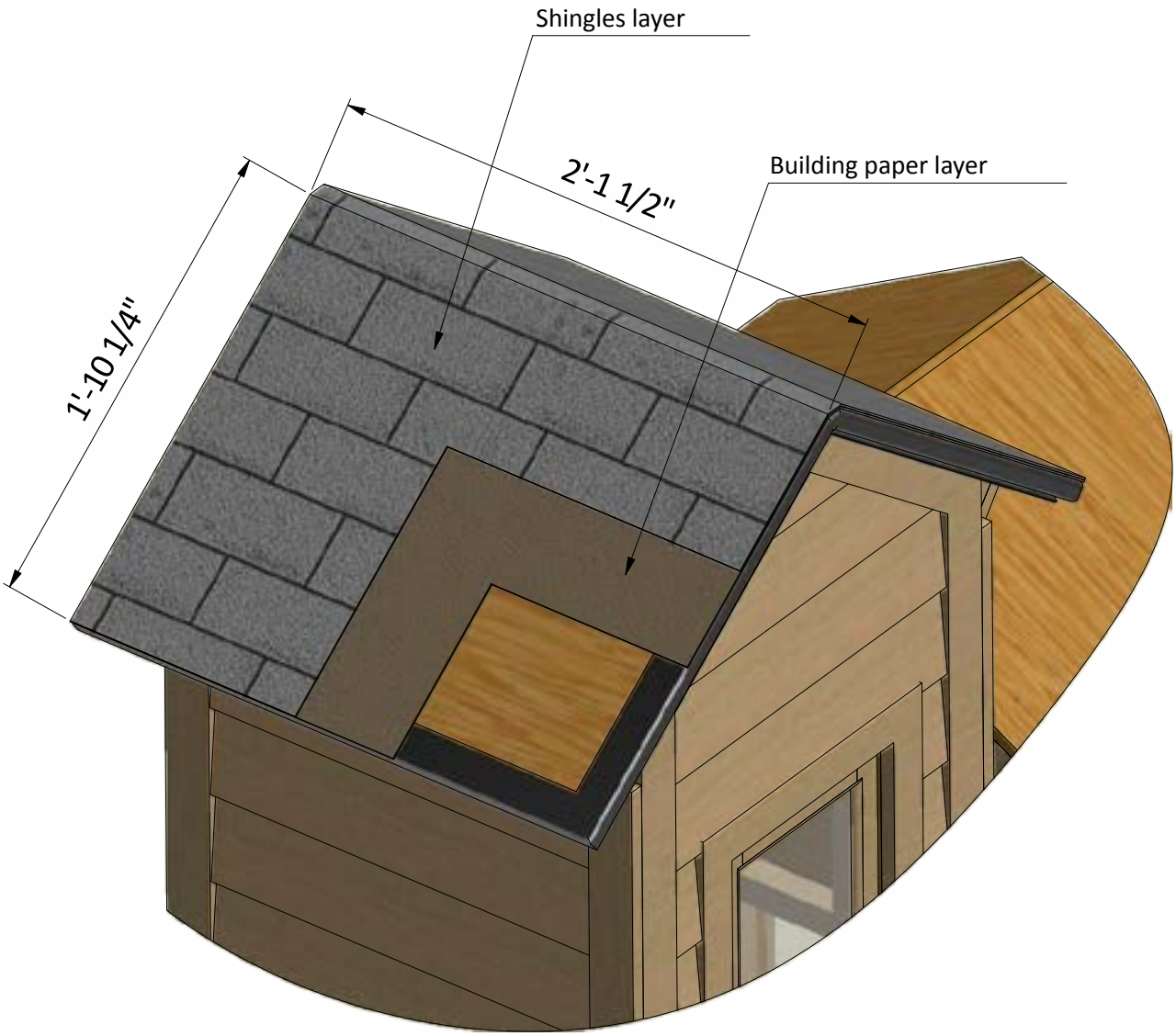
STEP 11

Coop's Roof Sheathing Installation

11.1 You will need 10 Sq Ft of building paper and asphalt shingle roofing.

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

11.3 Install asphalt shingle roofing using an industrial stapler.



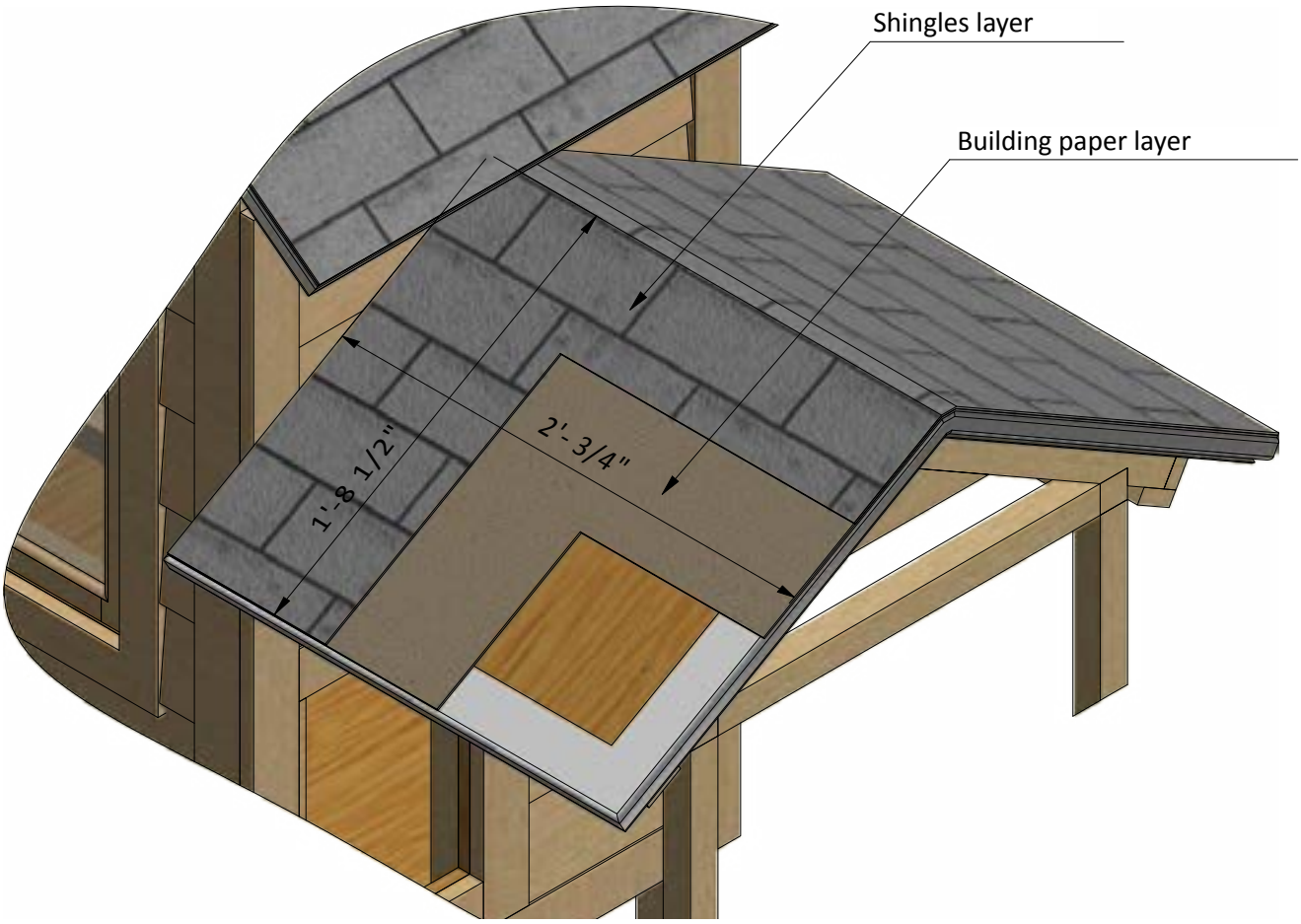
STEP 12

Aviary's Roof Sheathing Installation

12.1 You will need 7 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.



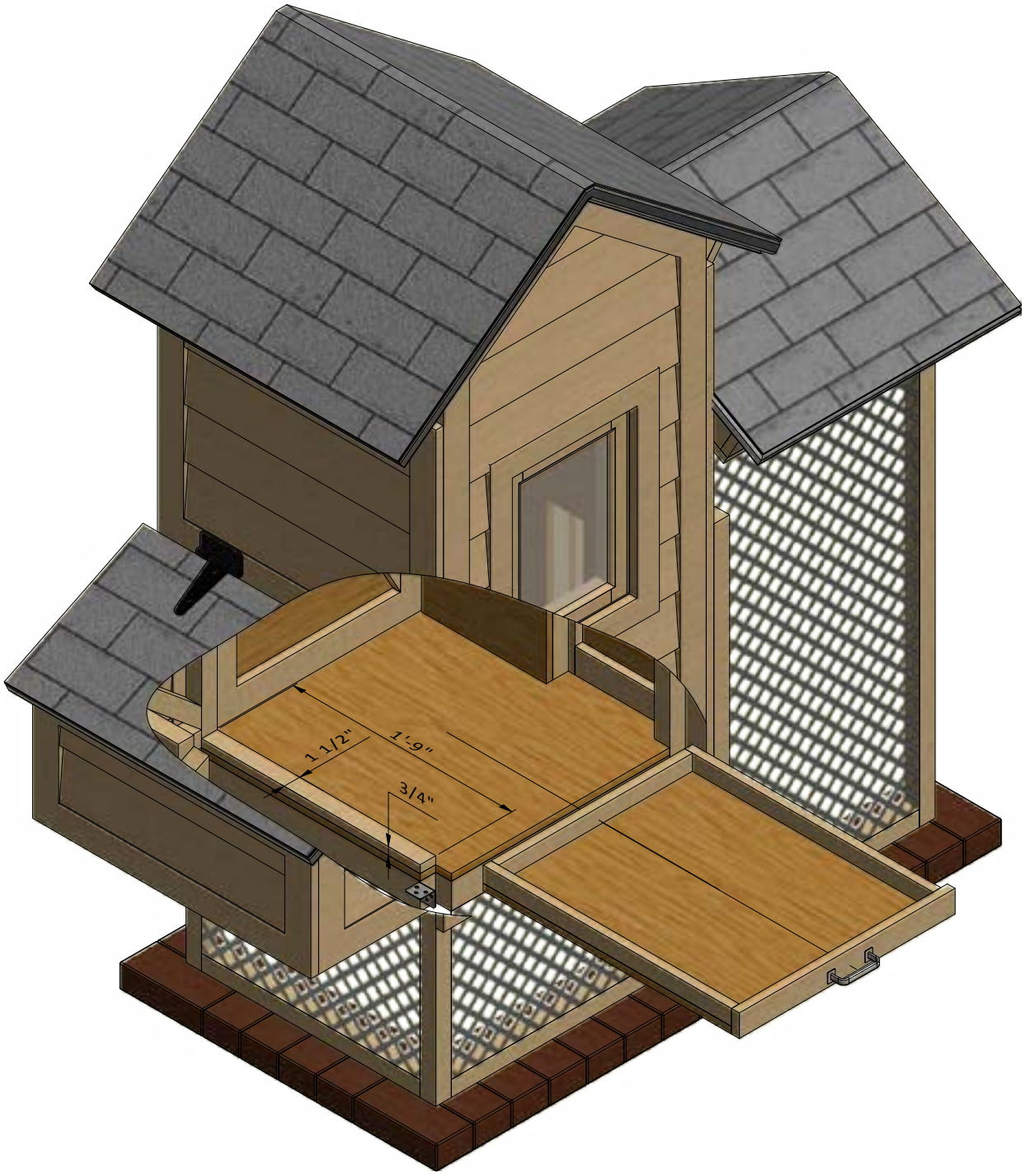
STEP 13

Assemble The Litter Tray

13.1 Assemble the litter tray using 3/4" x 1 1/2", 3/4" x 2 1/4" pressure-treated material and 5/8" plywood. You will need two boards cut to 2', one board cut to 1'-6 3/4" and one board cut to 1'-8 3/4". Assemble the frame and put the 1'-8 1/4" x 2'-3/4" plywood sheet at the bottom. Finish the tray installation by attaching 6" door pull.

13.2 Connect the beams and plywood with 2" wood screws.

13.3 Using 3/4" x 1 1/2" pressure-treated material prepare and install litter tray guid.
You will need to cut one board to 1'-9".



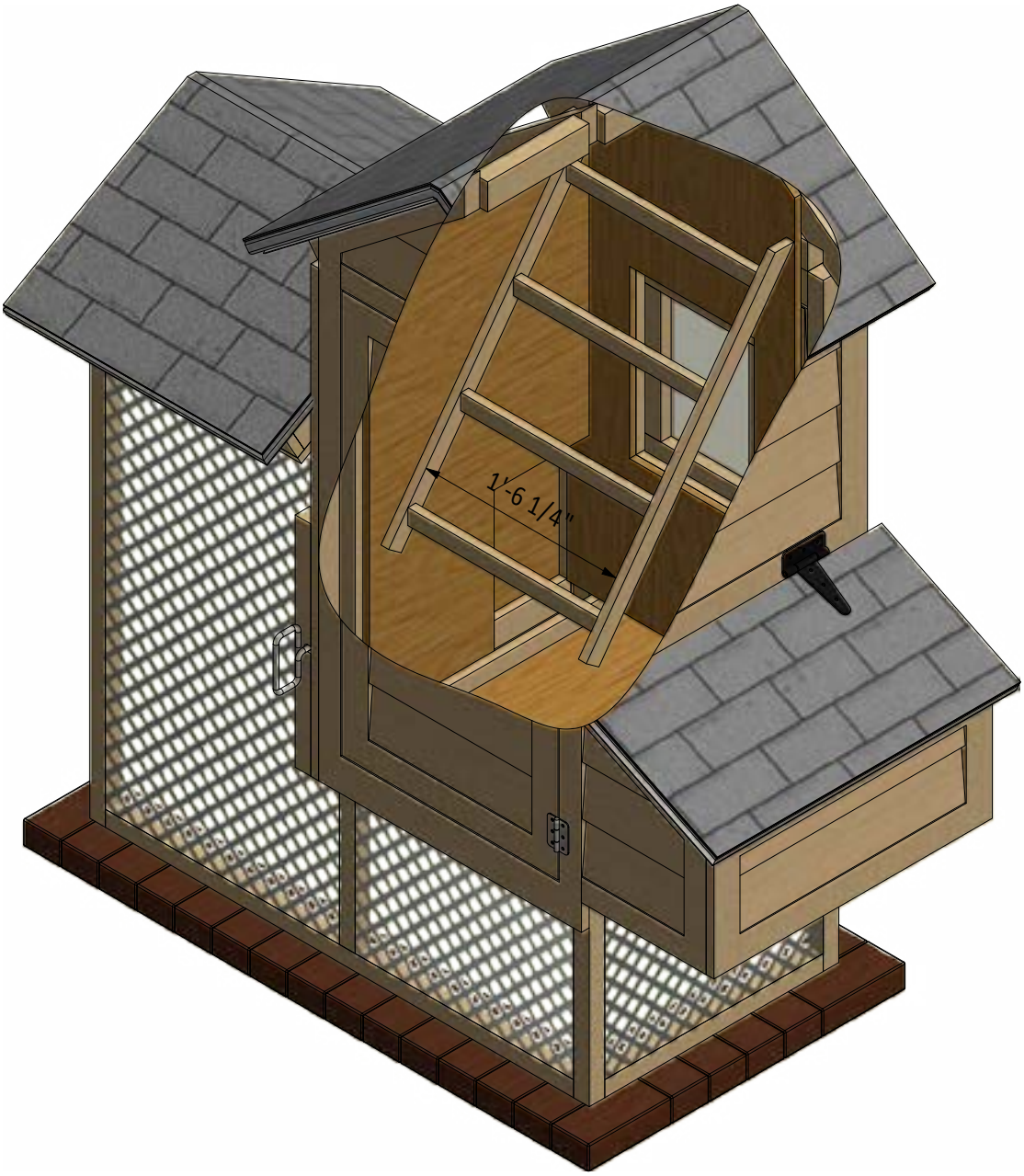
STEP 14

Assemble The Roost

14.1 Assemble the roost using 3/4" x 1 1/2" pressure-treated material. You will need two boards cut to 2'-8" and four boards cut to 1'-6 1/4".

14.2 Connect the beams with 2" wood screws.

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



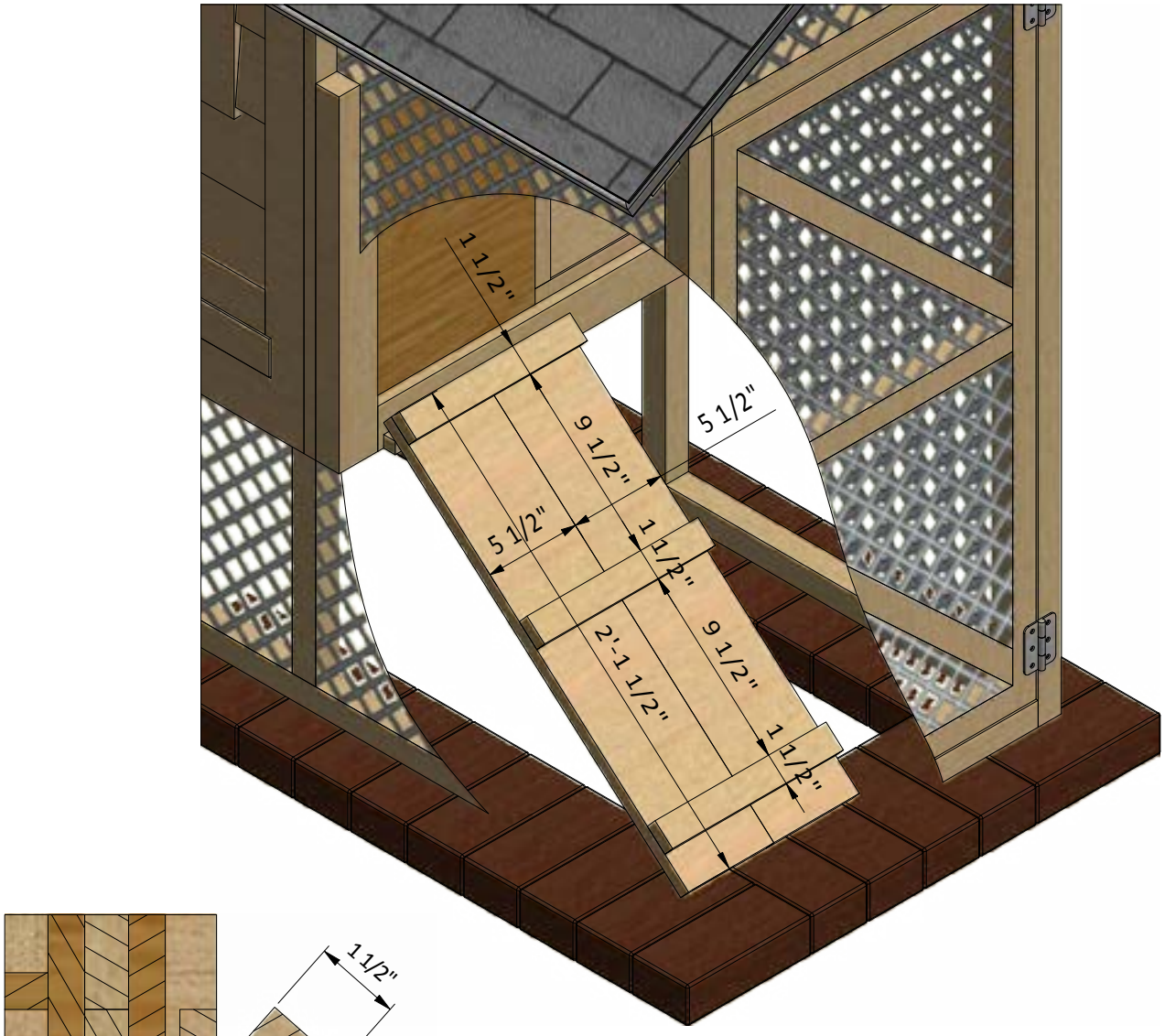
STEP 15

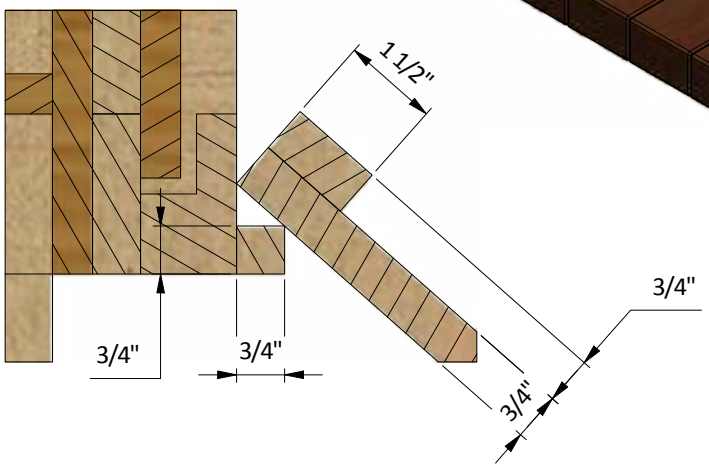
Assemble The Chicken Ladder

15.1 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 2'-1 1/2" and three boards cut to 11".

15.2 Connect the beams with 2" wood screws.

15.3 Install the roost at the studs with the help of 2" 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	68
Illustrations for Each Step	✓	✓
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Additional Blueprints	✗	✓
Tools List	✗	✓
Fastening Elements List	✗	✓
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TRY PREMIUM

For more great **HOW-TO** plans please visit: **https://easycoops.com/**