



8' x 10' Chicken Coop Plan

Up to 30 chickens

Free vs. Premium Plan: What's the Difference?

We offer both free and premium versions of our detailed shed plans, designed to fit your needs and budget. Check out the table below to see the key differences and choose the plan that's right for you:

Features	Free Plan	Premium Plan
Steps Count	10	20
Illustrations per Step	Limited	Every Step
Print Ready Format	X	✓
Step-by-Step Instructions	Basic	Comprehensive
Full Materials & Cutting List	X	✓
Additional Illustrations	X	✓
Additional Blueprints	X	✓
Tools List	X	✓
Fastening Elements List	X	✓
Technical Support	X	✓

Try Premium Risk-Free

30-day refund policy with no questions asked.

10'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

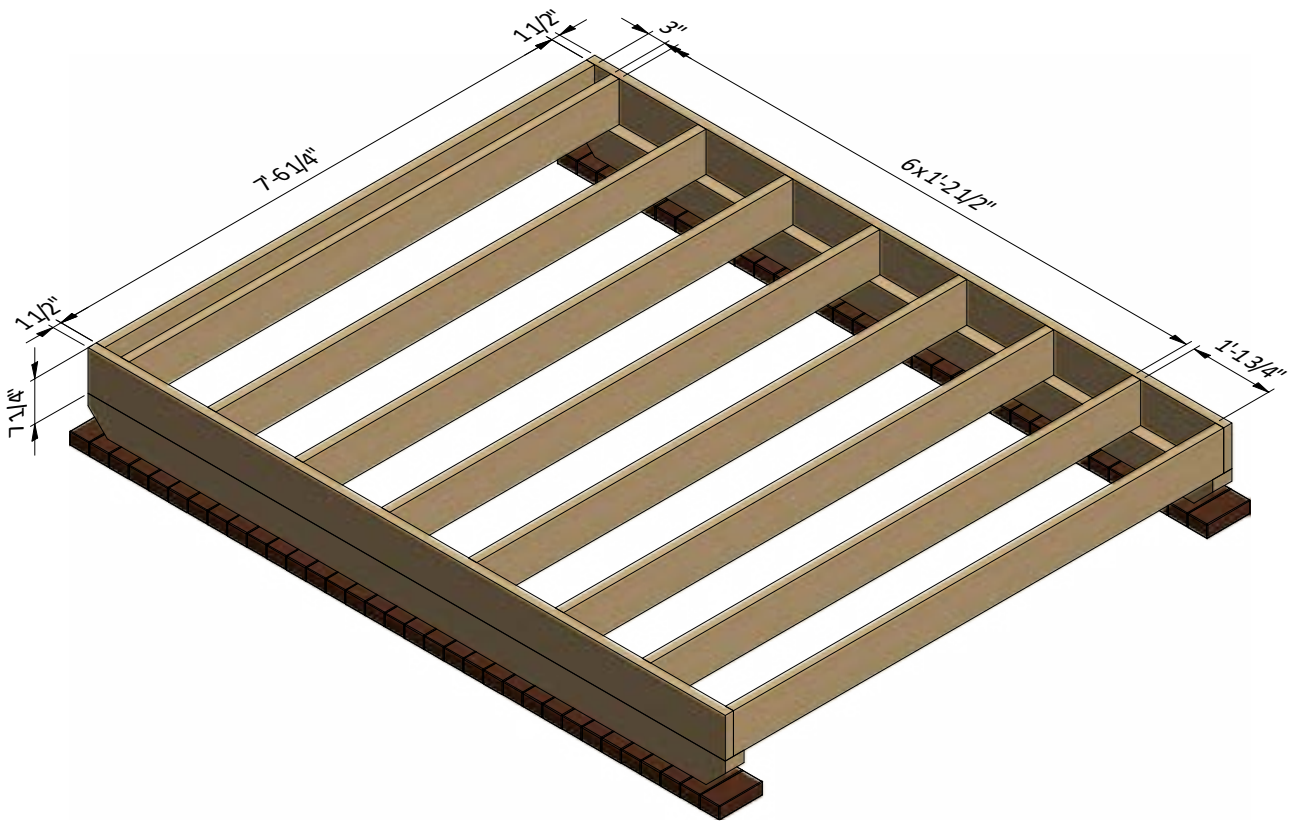
STEP 1

Framing the Coop's Floor

1.1 Assemble the frame using 1 1/2" x 7 1/4" pressure-treated lumber. You will need seven boards cut to 7'-6 1/4" that will be the joist.

1.2 Secure the beams with 8x3" wood screws.

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



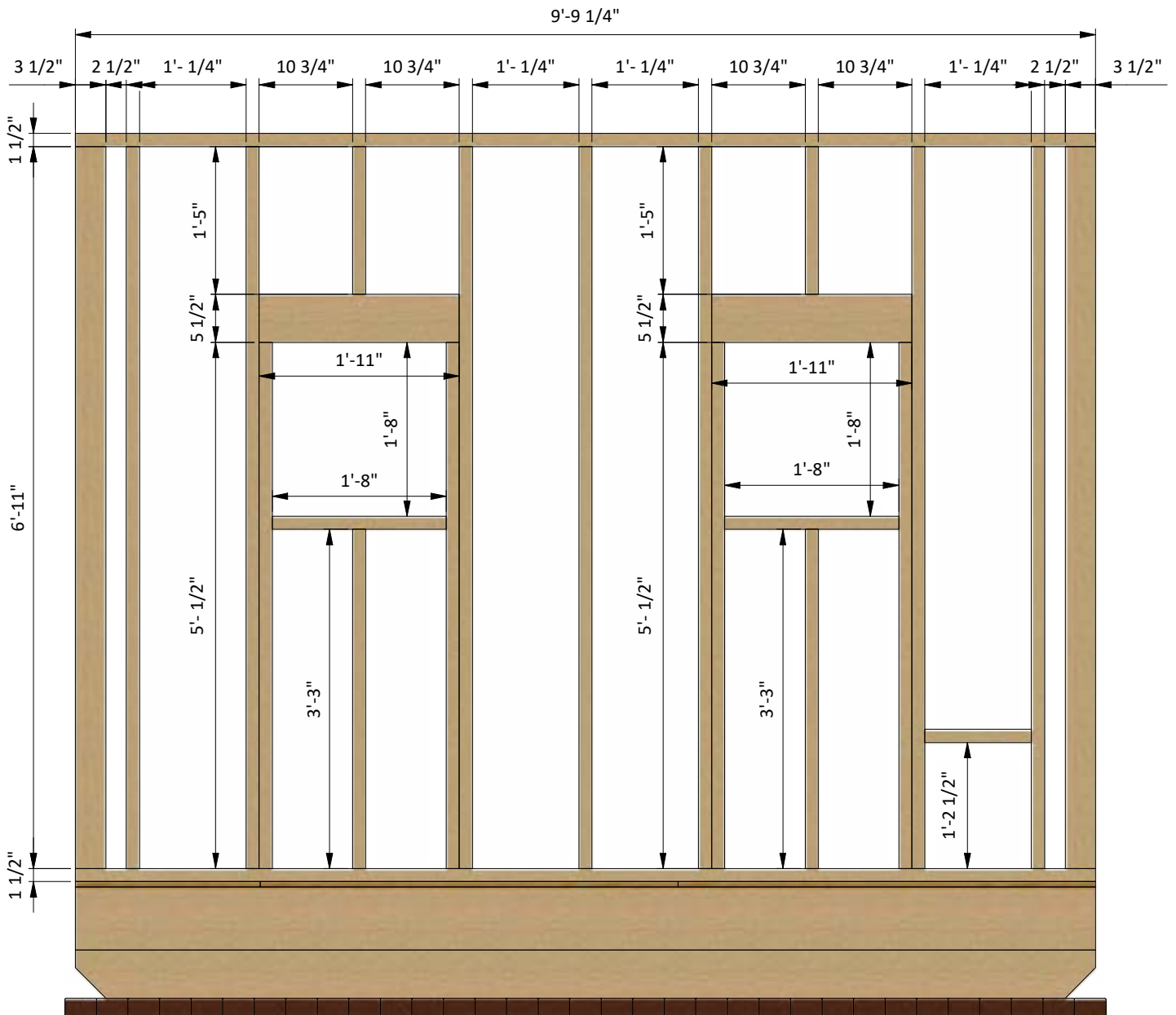
STEP 3

Assemble Left Side Wall Frame

3.1 Using 1 1/2" x 3 1/2", 1 1/2" x 5 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 nine boards cut to 6'-11", four boards cut to 5'-1/2" and two boards cut to 3'-3" that will be studs, two boards cut to 9'-9 1/4" that will be top and bottom beams, four boards cut to 1'-11" that will be the window headers, two boards cut to 1'-8" that will be rough sills, two boards cut to 1'-5" that will be cripple studs and one board cut to 1'-1/4" that will be chicken door girt.

3.2 Connect the beams with 3" wood screws.

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



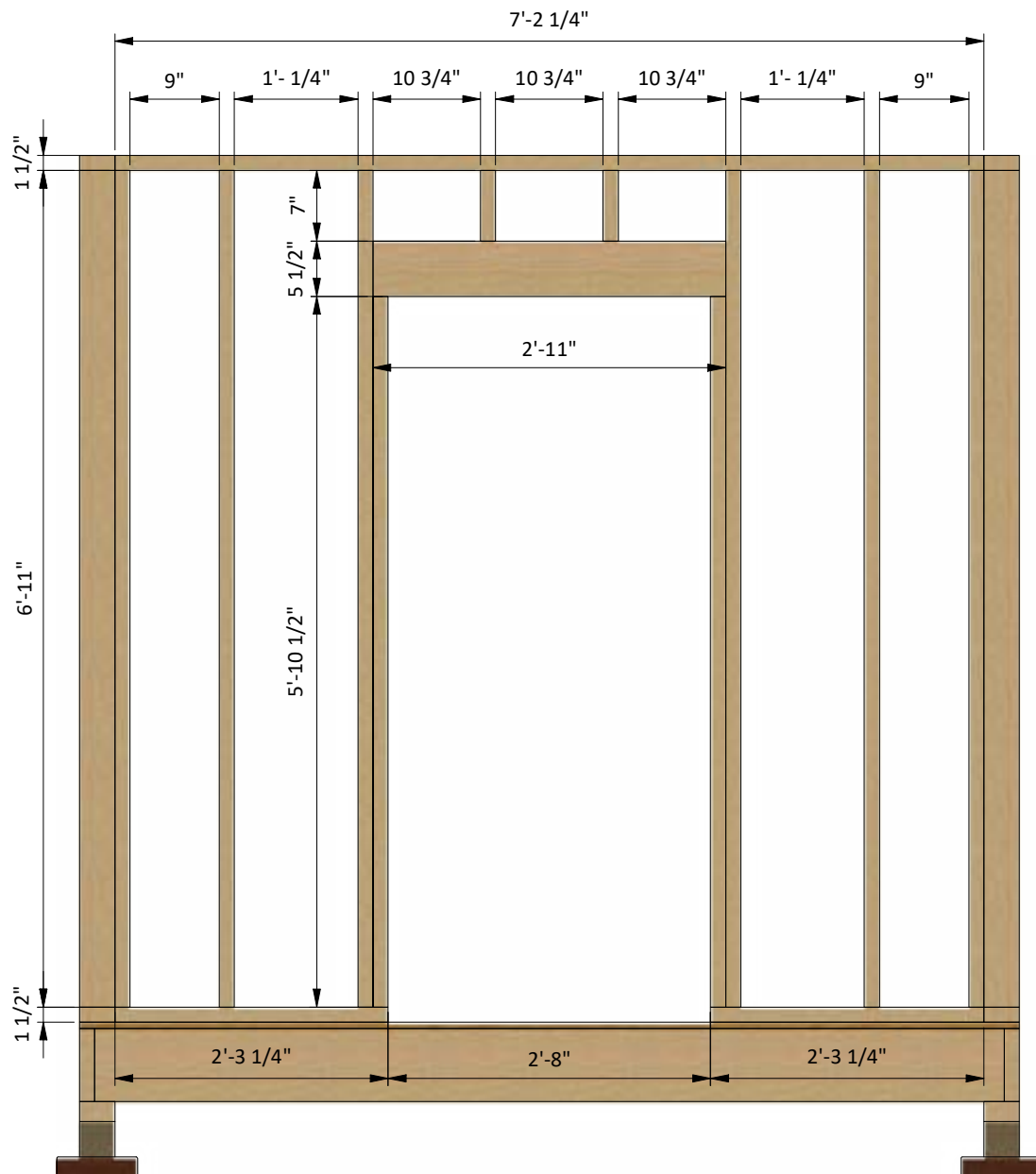
STEP 4

Assemble Front Wall Frame

4.1 Using 1 1/2" x 3 1/2" and 1 1/2" x 5 1/2" pressure-treated lumber, construct front wall frame using the drawing below as a reference. You will need six boards cut to 6'-11" and two boards cut to 5'-10 1/2" that will be studs, two boards cut to 2'-3 1/4" that will be the bottom beams, one board cut to 7'-2 1/4" that will be the top beam, two boards cut to 2'-11" that will be the door header and two boards cut to 7" that will be cripple studs.

4.2 Connect the beams with 2x3" wood screws.

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



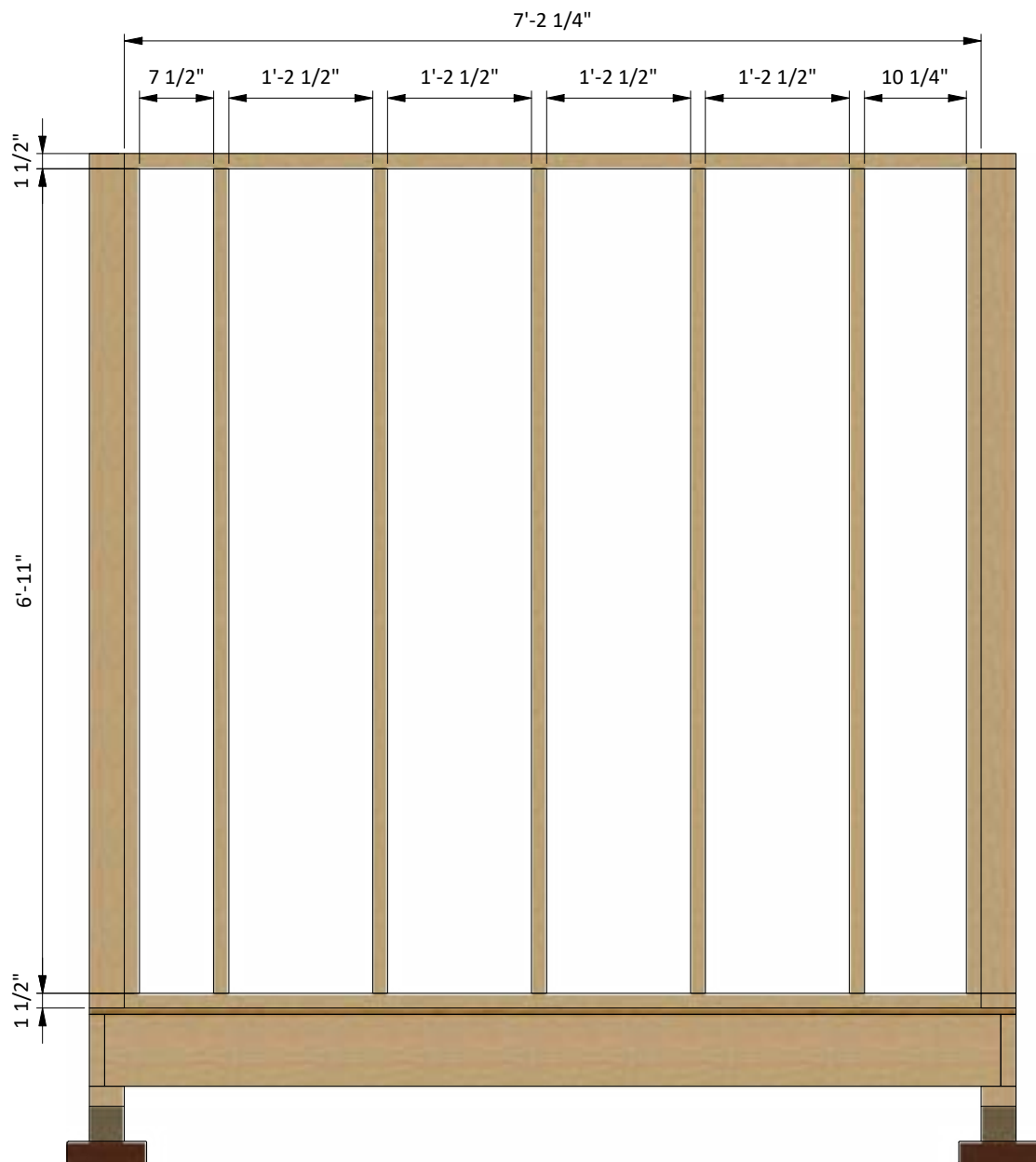
STEP 5

Assemble Back Wall Frame

5.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, construct back wall frame using the drawing below as a reference. You will need seven boards cut to 6'-11" that will be the studs and two boards cut to 7'-2 1/4" that will be the top and bottom beams.

5.2 Connect the beams with 2x3" wood screws.

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



STEP 6

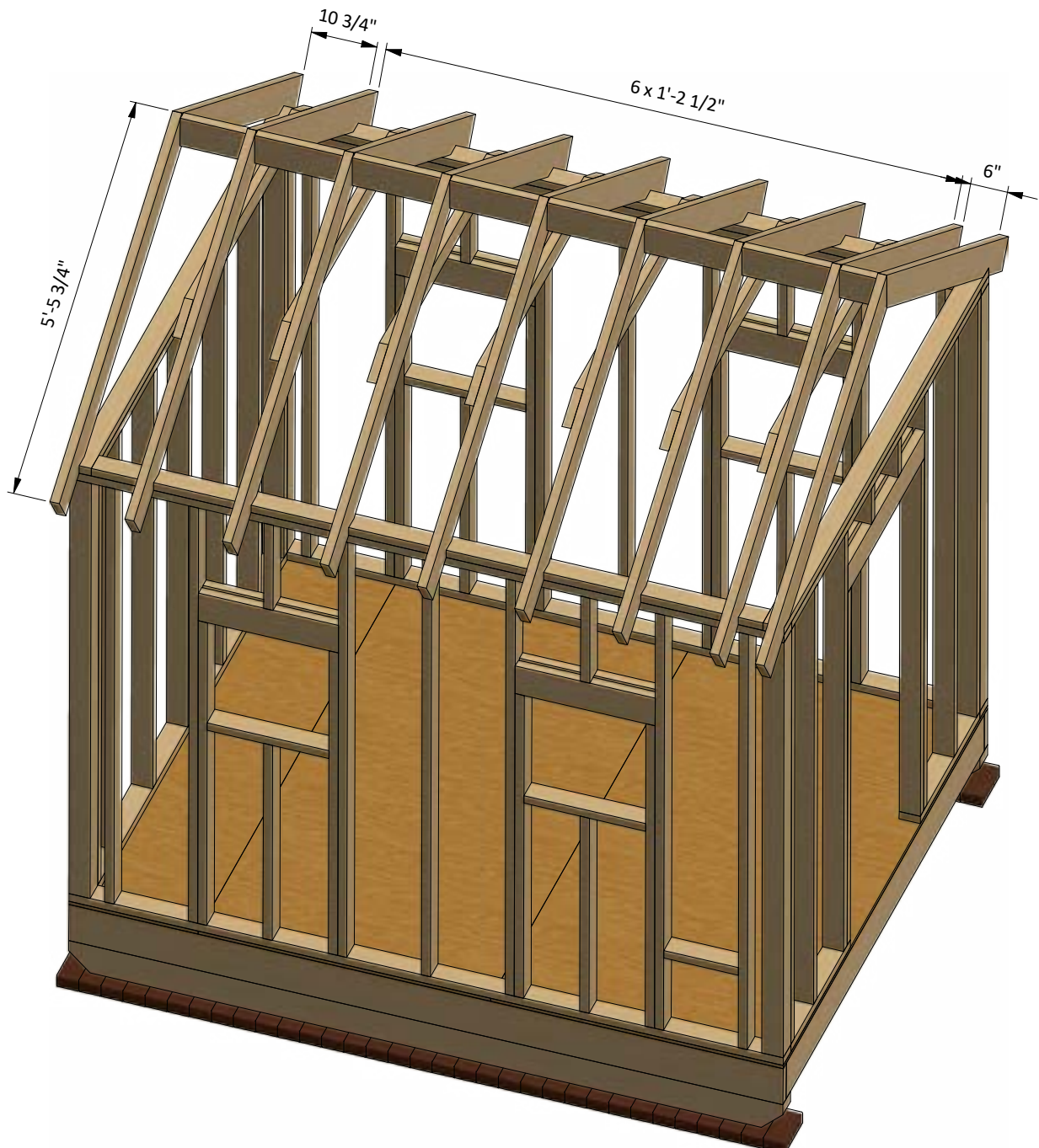
Assemble the Roof Frame

6.1 Using 1 1/2" x 5 1/2" pressure-treated lumber, cut eighteen rafters 5'-5 3/4" long according to the dimensions in drawings below.

6.2 Using 1 1/2" x 3 1/2" pressure-treated lumber, cut seven collar ties 5' long according to the dimensions in drawings below.

6.3 Using 1 1/2" x 5 1/2" pressure-treated board, cut one board 10 3/4" long, one board 6" long and six boards cut to 1'-2 1/2" long that will be ridge boards according the illustration below.

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



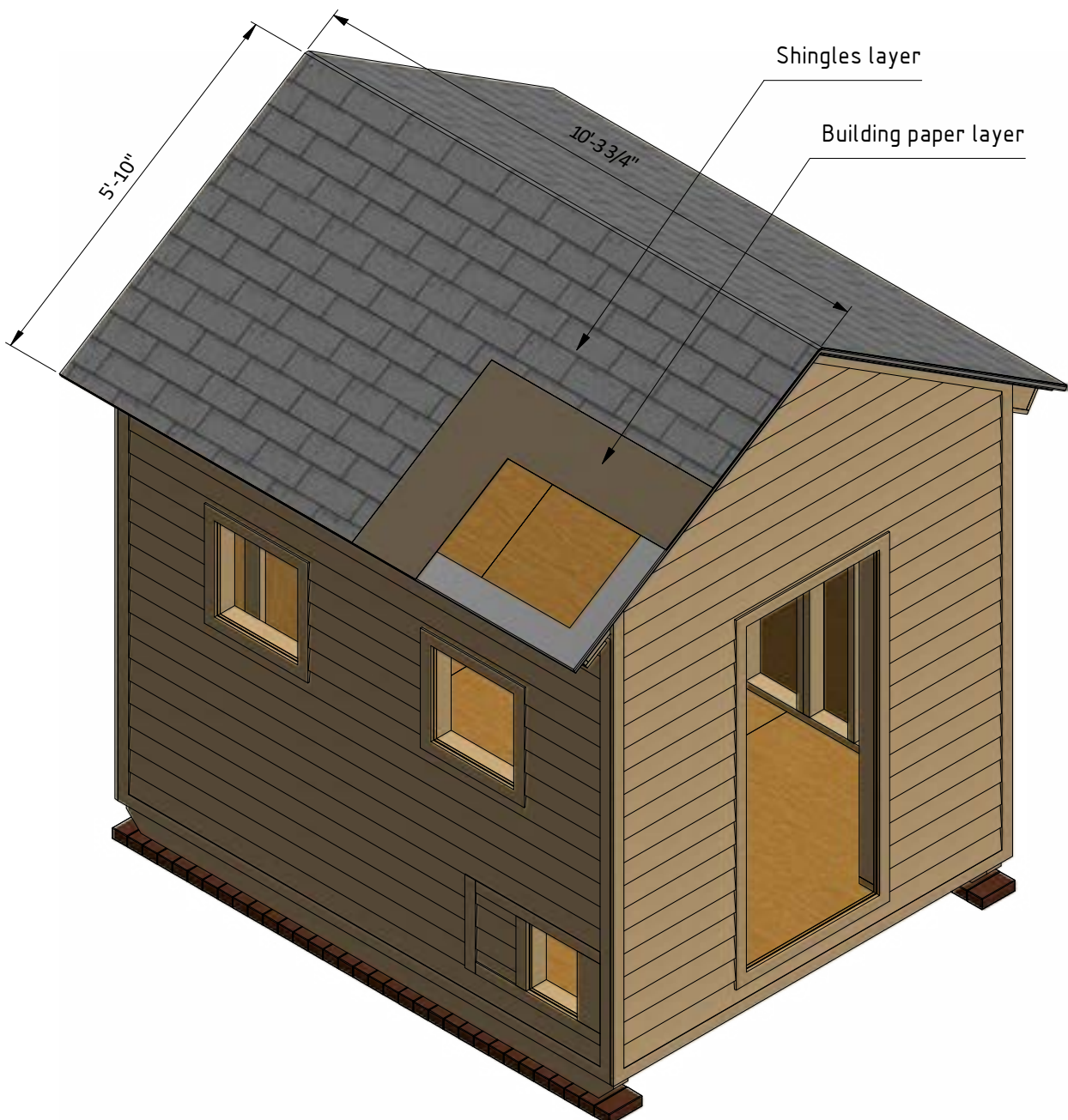
STEP 7

Coop's Roof Sheathing Installation

7.1 You will need 128 Sq Ft of building paper and asphalt shingle roofing.

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

7.3 Install asphalt shingle roofing using an industrial stapler.



STEP 8

Assemble and Install Front Door

8.1 Build the door frame using 3/4" x 3 1/2" pressure-treated lumber.

You will need two boards cut to 5'-11 1/2" that will be the vertical girts, two boards cut to 2'-1/2" that will be the horizontal girts and one board cut to 5'-9" that will be cross brace.

8.2 Prepare the 5/8" plywood sheet with dimensions 2'-7 1/2" x 5'-11 1/2" for the door according to the drawing.

8.3 Use 3/4" x 2 1/2" pressure-treated lumber for the door trim and fasten with 2" wood screws.

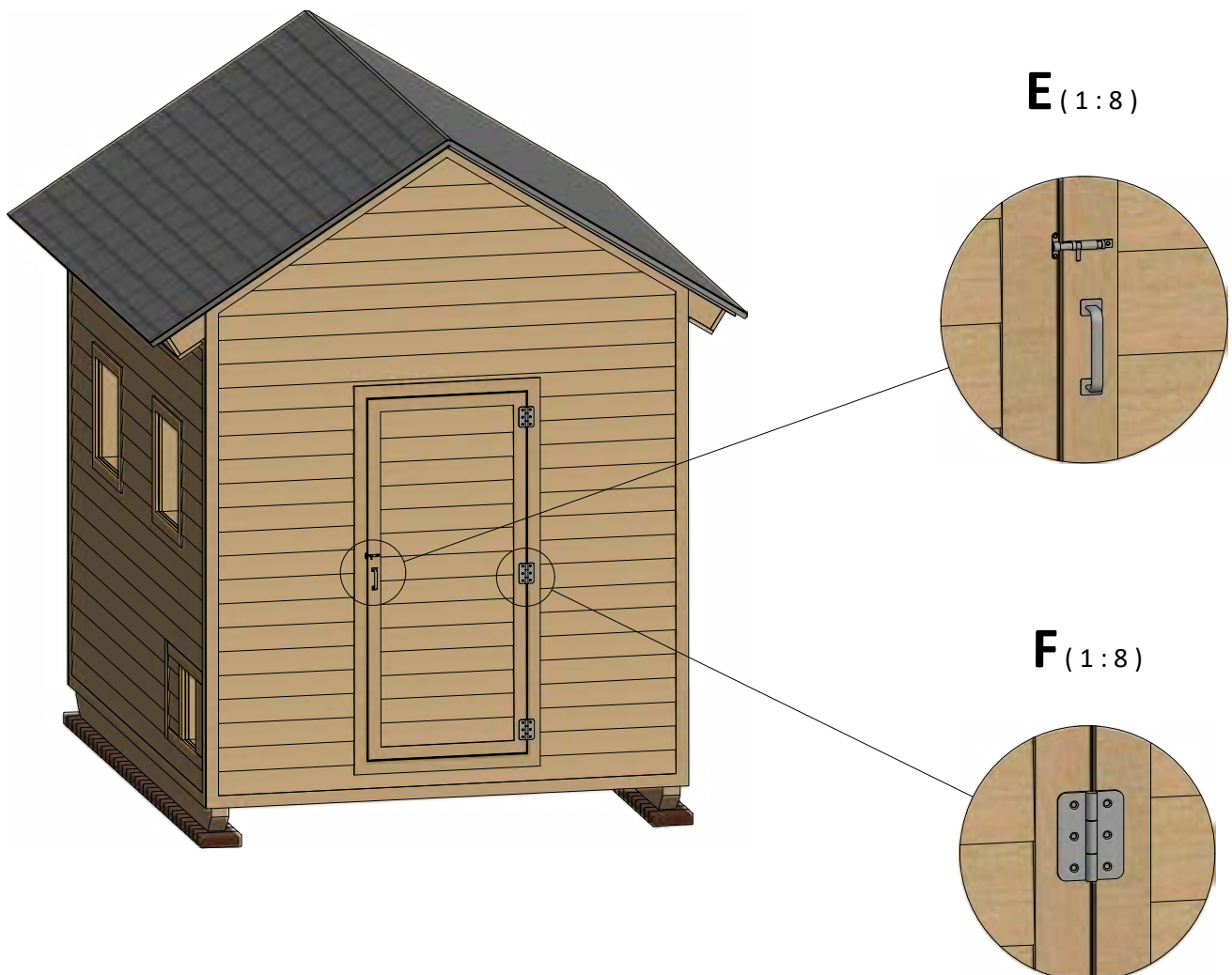
You will need two boards cut to 2'-2 1/2" and two boards cut to 5'-11 1/2".

8.4 Using 1/4" x 3/4" pressure-treated lumber, cut and install a starter course 2'-2 1/2" long using node E on page 32 as a reference.

8.5 For the exterior siding on the door, use 1/2" x 6" wood siding boards and the illustration below as a reference. Assemble siding shields with 2" galvanized nails.

8.6 Install three 3" door hinges using 6x1" wood screws.

Finish the door installation by attaching 6" door pull and 3" surface bolt (see nodes E, F).



STEP 9

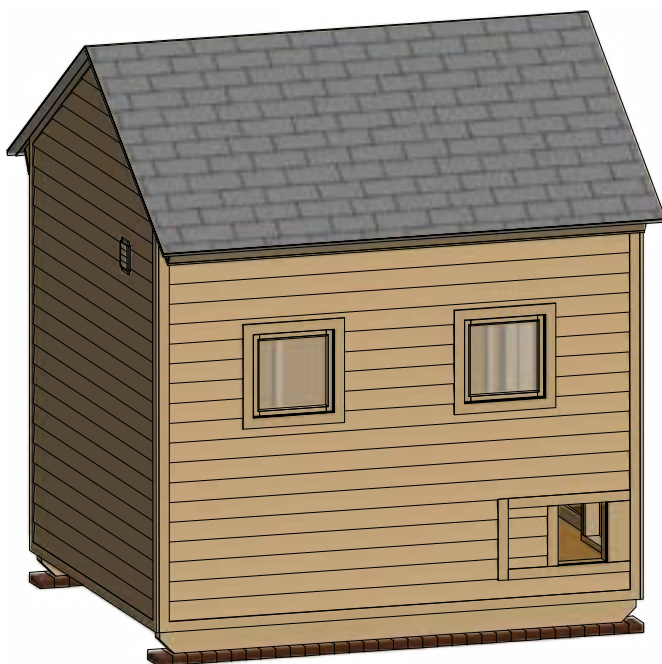
Assemble and Install Windows

You will need to assemble four windows

9.1 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.

9.2 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.

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



STEP 10

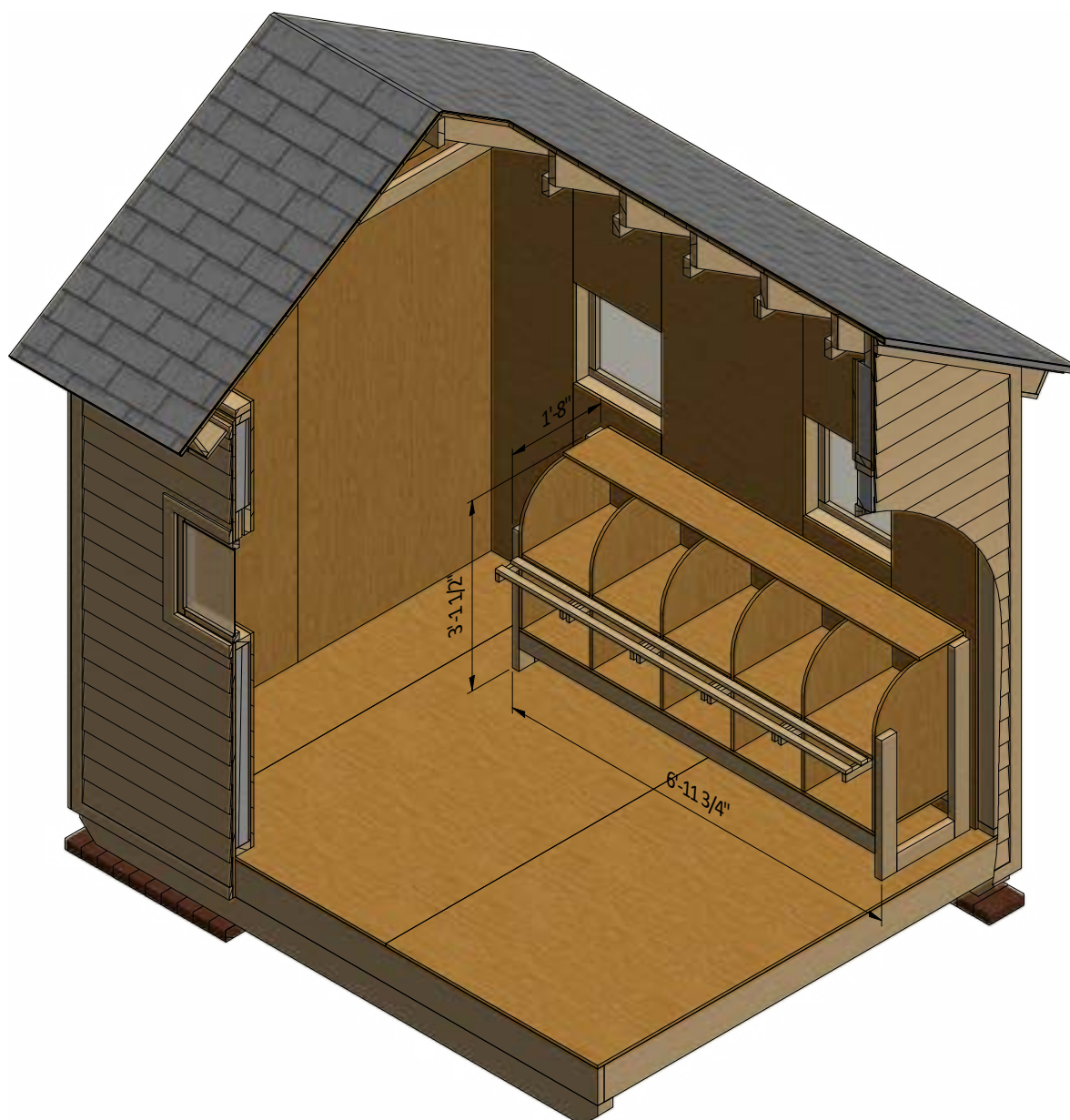
Assemble The Nesting Box

10.1 Cut 5/8" plywood for the box according to the drawing.

You will need to cut one 10" x 6'-8 3/4" sheet for the top plane, one 1'-8" x 6'-8 3/4" sheet for the bottom plane, one 2'-6" x 6'-8 3/4" sheet for the back wall and six 1'-8" x 2'-4 3/4" sheets for the side and inner partitions.

10.2 Use 1 1/2" x 3 1/2" pressure-treated material for building the nesting box frame and secure with 3" and 5" wood screws. You will need two boards cut to 3'-1 1/2", two boards cut to 2'-3 1/2", two boards cut to 1'-1" and two boards cut to 6'-8 3/4".

10.3 Provide and install nest's roost from the pressure-treated lumber with cross section 3/4" x 1 1/2". You will need ten boards to 2'-2" and two boards cut to 6'-7 1/2".



STEP 11

Assemble The Roost

11.1 Assemble the roost using 1 1/2" x 2 1/2" pressure-treated material. You will need four boards cut to 7'-1" and two boards cut to 5'-3".

11.2 Connect the beams with 2" wood screws.

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

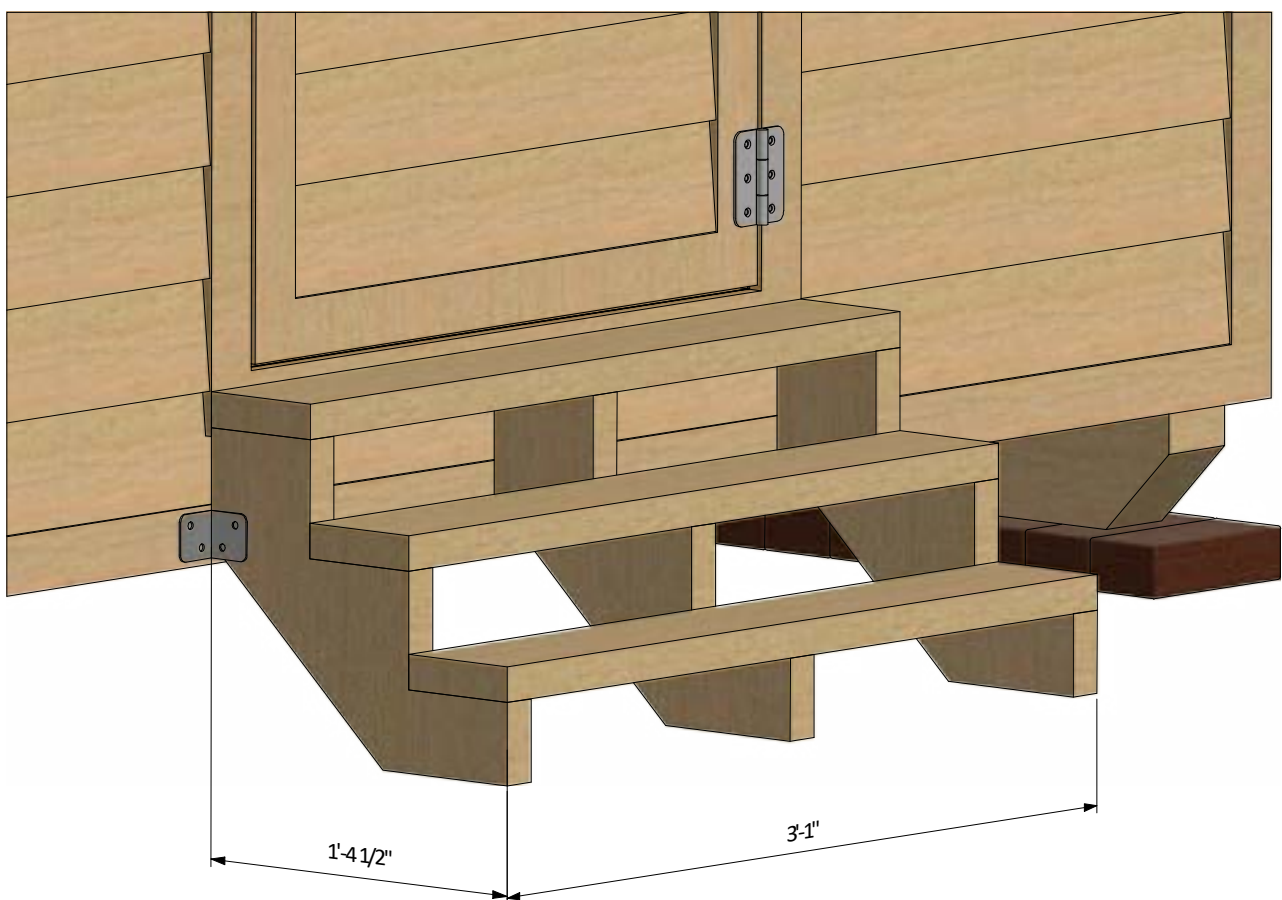


STEP 12

Assemble and Install Notched-Stringer Stairs

12.1 Using 1 1/2" x 5 1/2" and 1 1/2" x 7 1/4" pressure-treated lumber, construct stairs elements, using the drawing below as a reference. You will need three boards cut to 1'-9 1/4" that will be the stringers and three boards cut to 3'-1" that will be treads.

12.2 Connect the beams with 3" wood screws. Finish the installation of the stair by attaching it to the front wall with the help of 2" x 2" corner brackets.



STEP 13

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.



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Additional Blueprints	X	✓
Tools List	X	✓
Fastening Elements List	X	✓
Technical Support	X	✓

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