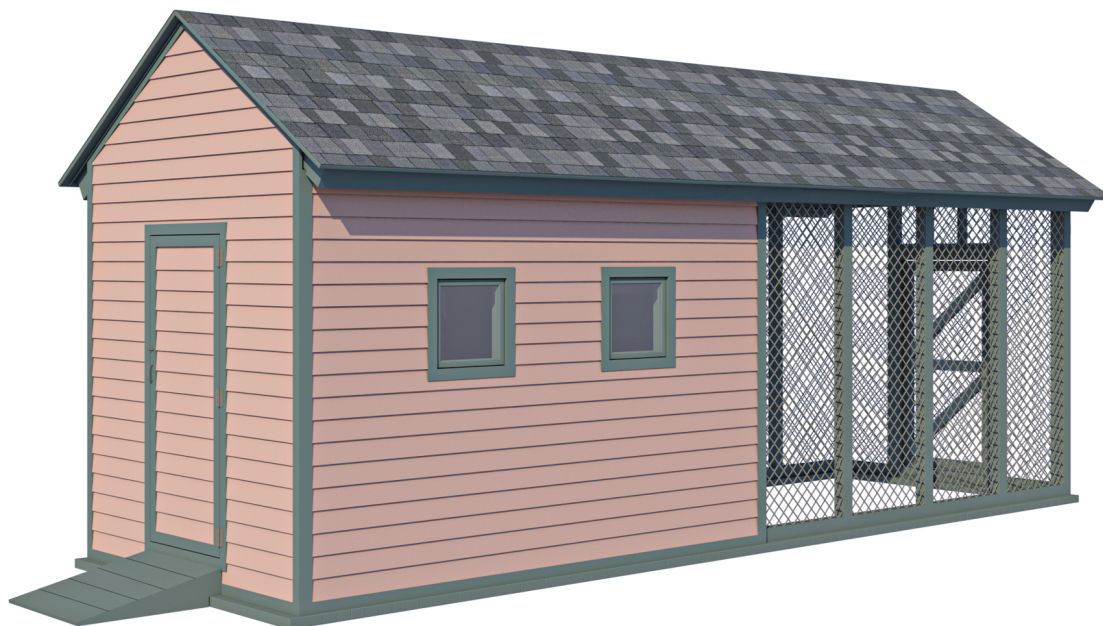




8' x 24' Chicken Coop Plan

Up to 50 chickens



Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	18	51
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

24'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

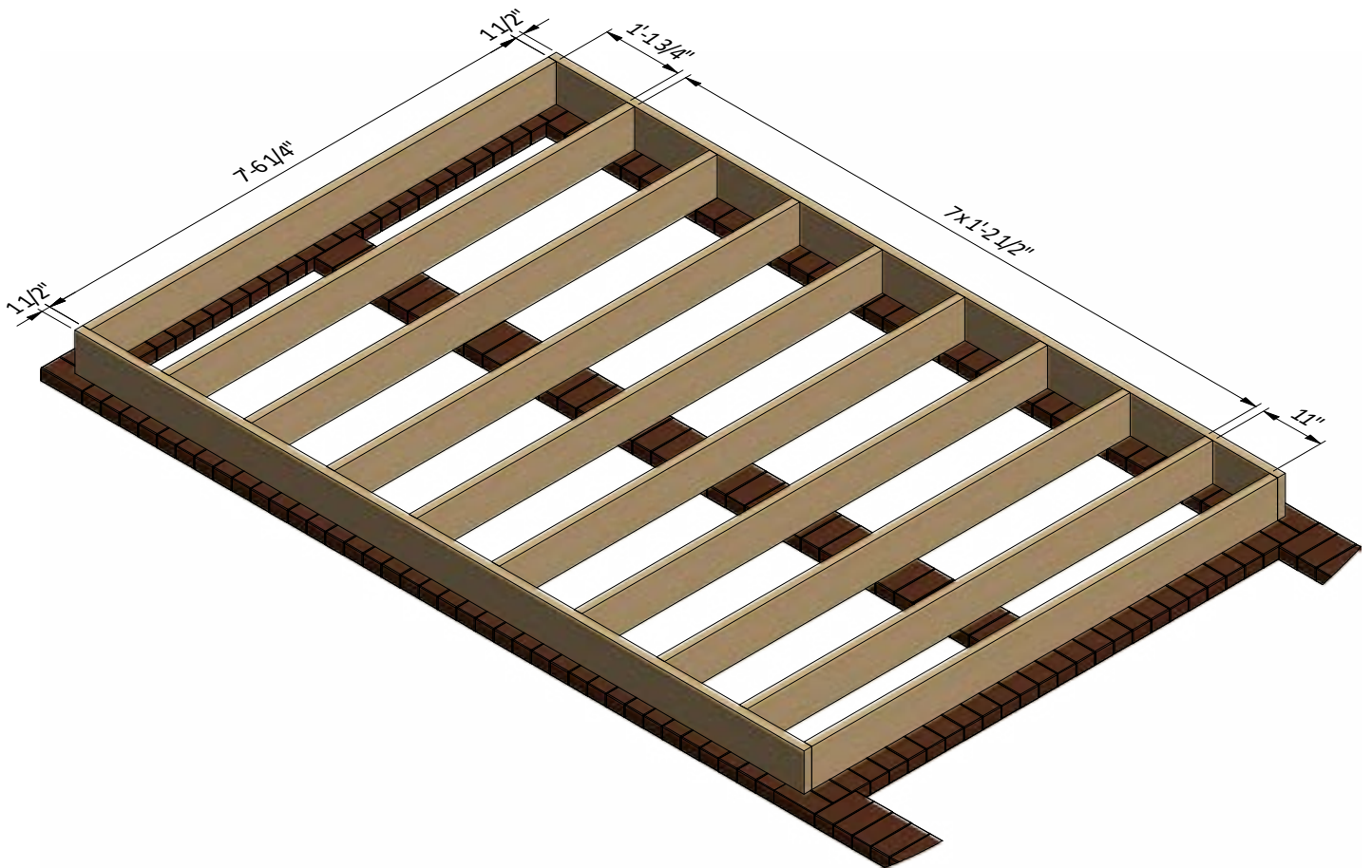
STEP 1

Framing the Coop's Floor

1.1 Assemble the frame using 1 1/2" x 7 1/4" pressure-treated lumber. You will need eight 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°.



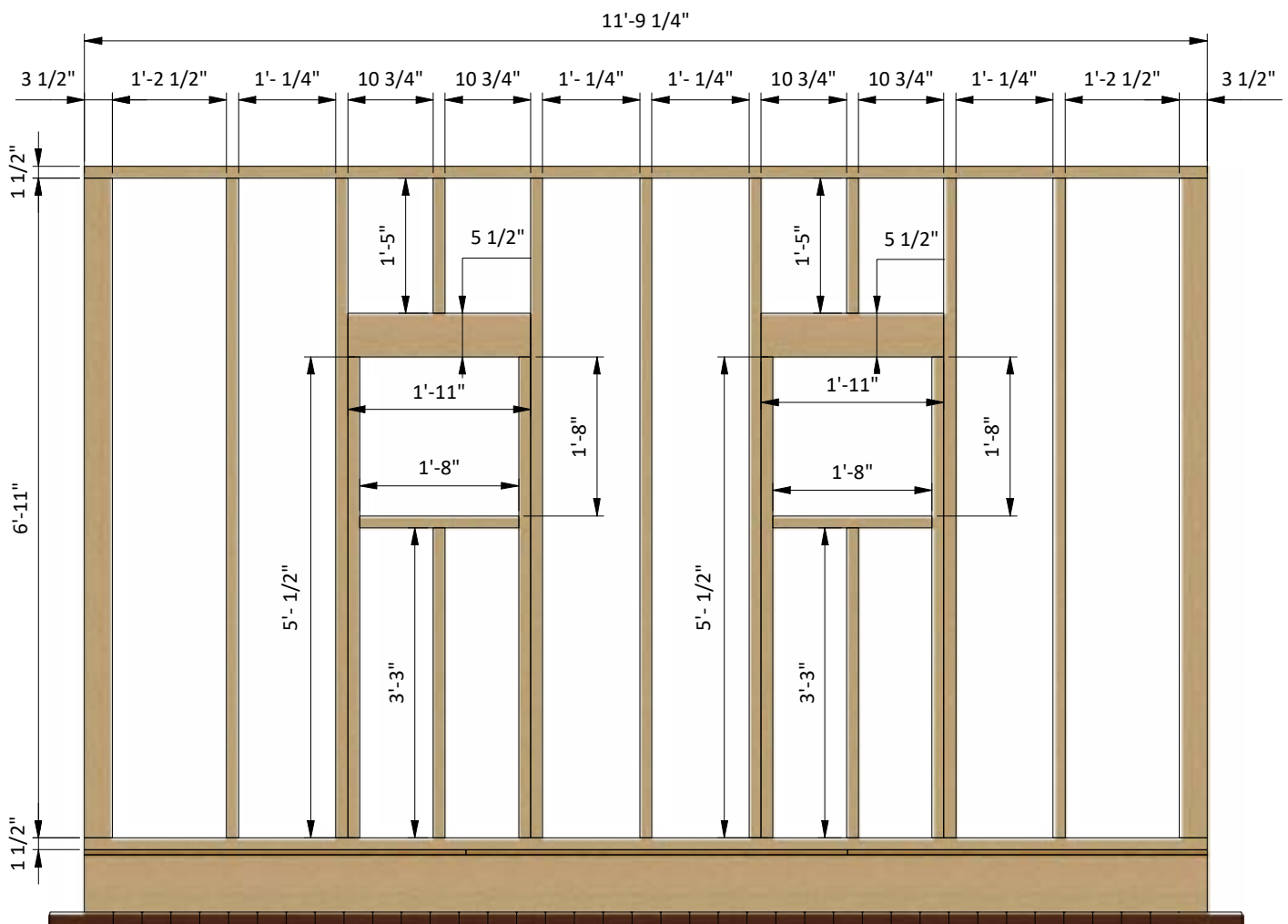
STEP 2

Assemble Side Wall Frames

2.1 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 right side wall frame using the drawing below as a reference. For each wall you will need nine boards cut to 6'-11", four boards cut to 5'-1 1/2" and two boards cut to 3'-3" that will be studs, two boards cut to 11'-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 and two boards cut to 1'-5" that will be cripple studs.

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°.



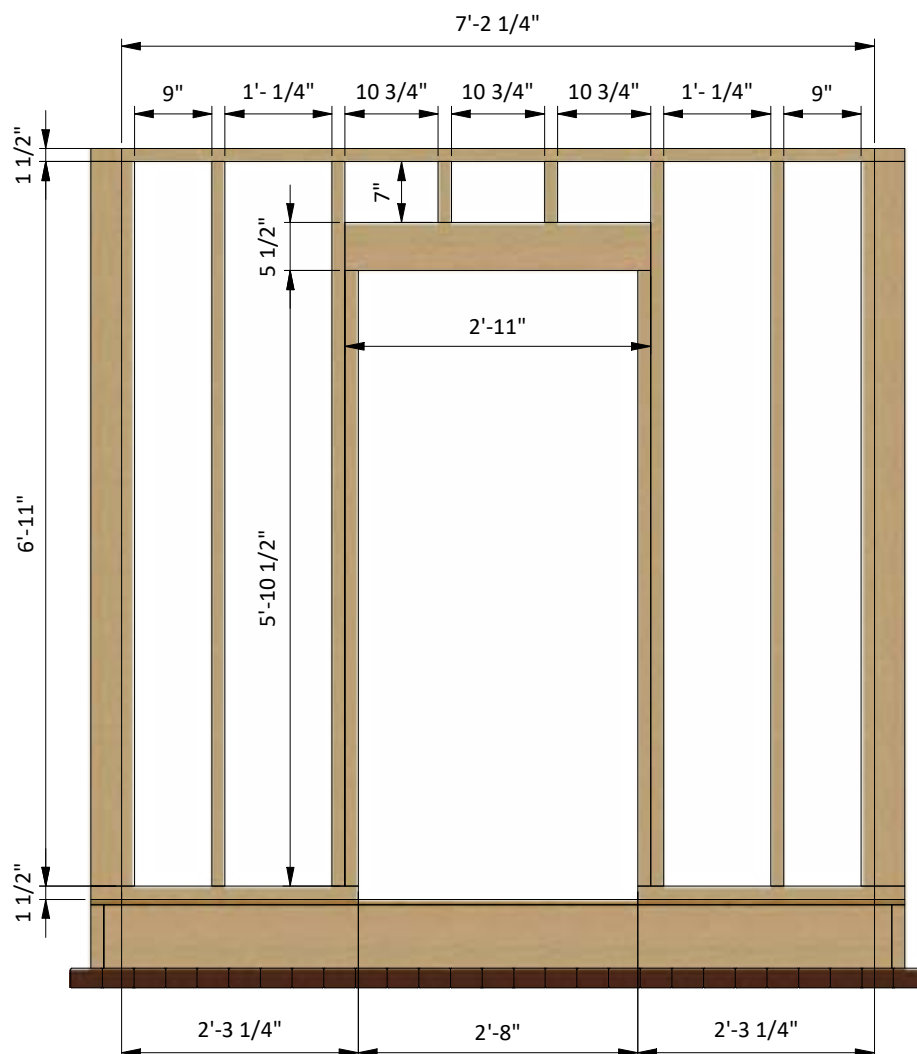
STEP 3

Assemble Front and Back Wall Frames

3.1 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.

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°.



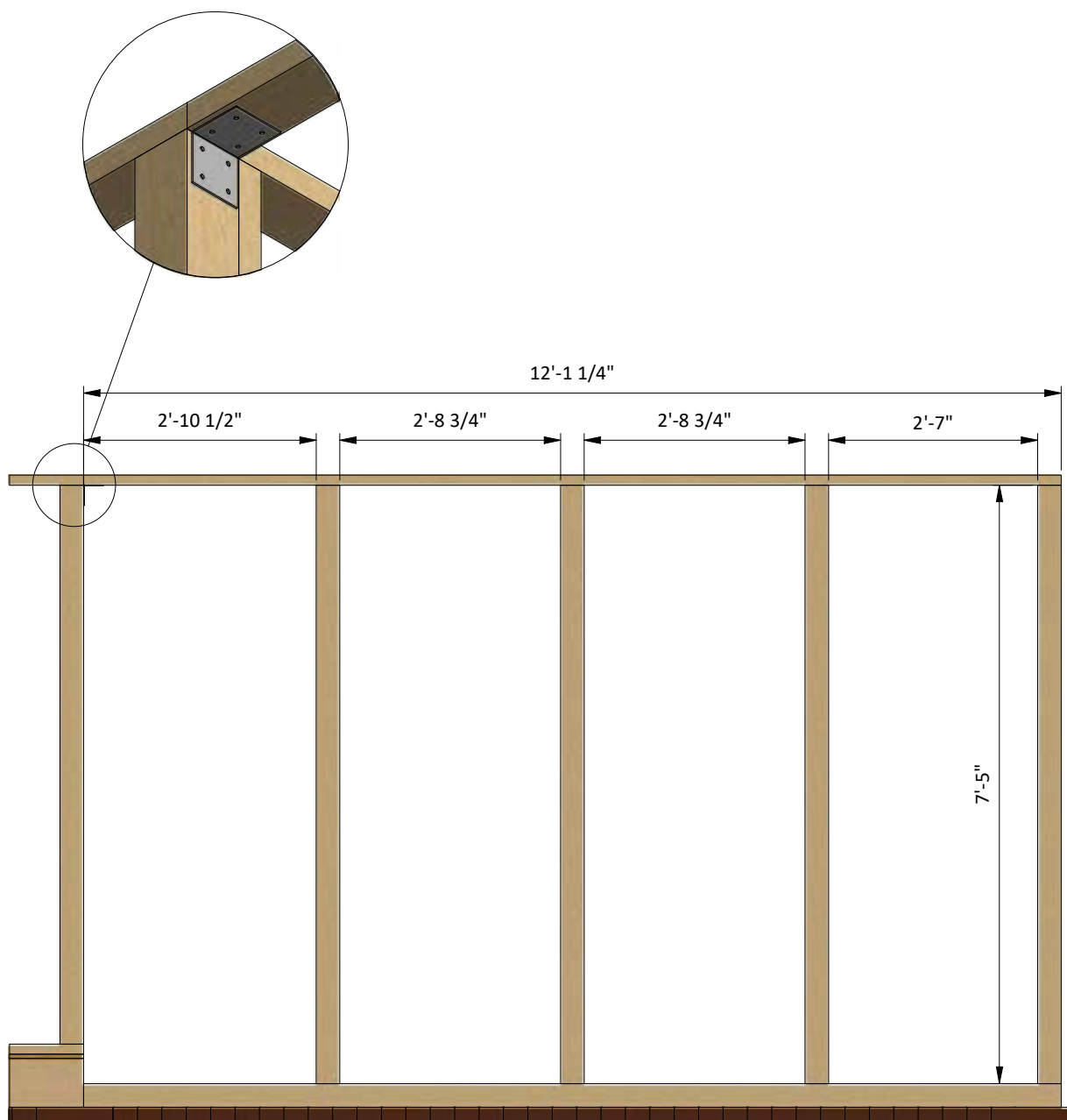
STEP 4

Assemble Aviary Side Wall Frames

4.1 Using 1 1/2" x 3 1/2" and 3 1/2" x 3 1/2" pressure-treated lumber, construct side wall frames for aviary using the drawing below as a reference. For each side wall you will need four boards cut to 7'-5" that will be the studs and two boards cut to 12'-1 1/4" that will be the top and bottom beams.

4.2 Connect the beams with 2x3" wood screws. To connect top beams to the coop's frame use 3" x 3" corner braces.

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



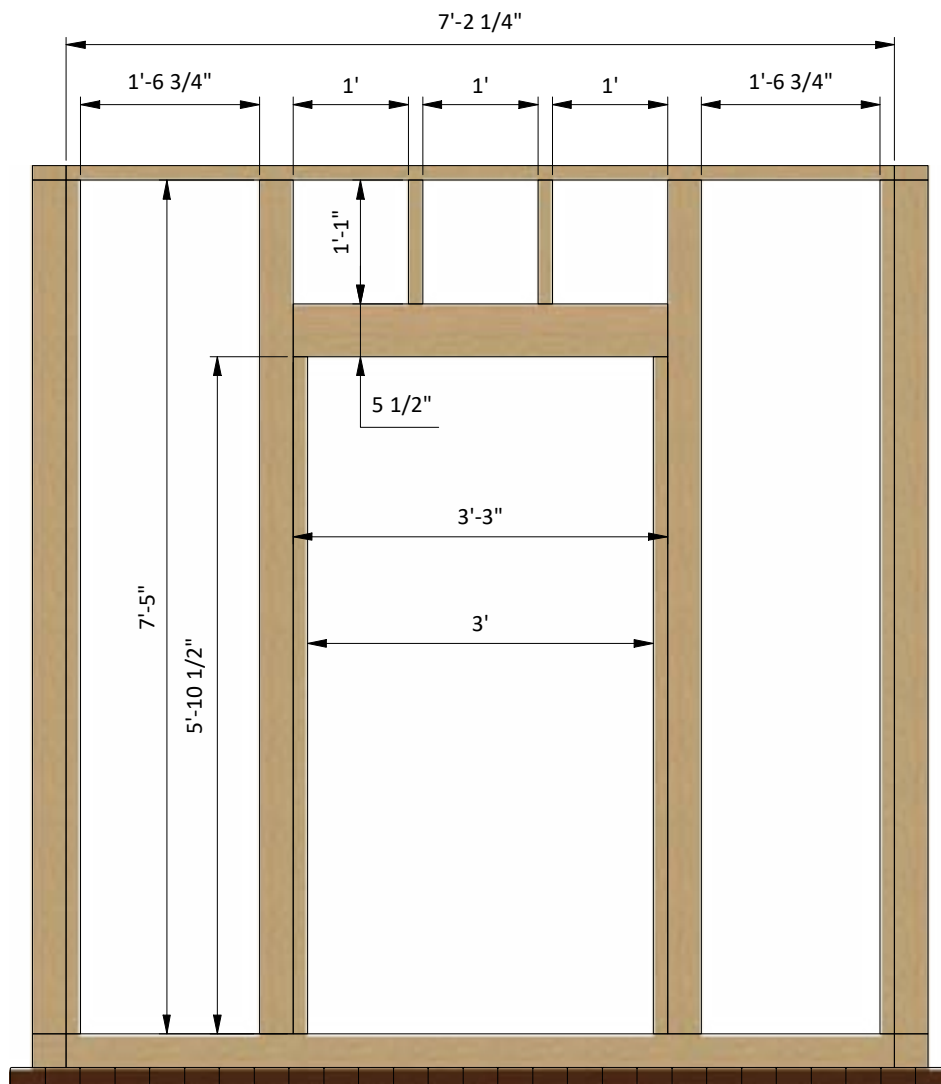
STEP 5

Assemble Aviary Front Wall Frame

5.1 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 aviary front wall frame using the drawing below as a reference. You will need four boards cut to 7'-5" and two boards cut to 5'-10 1/2" that will be studs, two boards cut to 7'-2 1/4" that will be top and bottom beams, two boards cut to 3'-3" that will be the door header and two boards cut to 1'-1" that will be cripple studs.

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

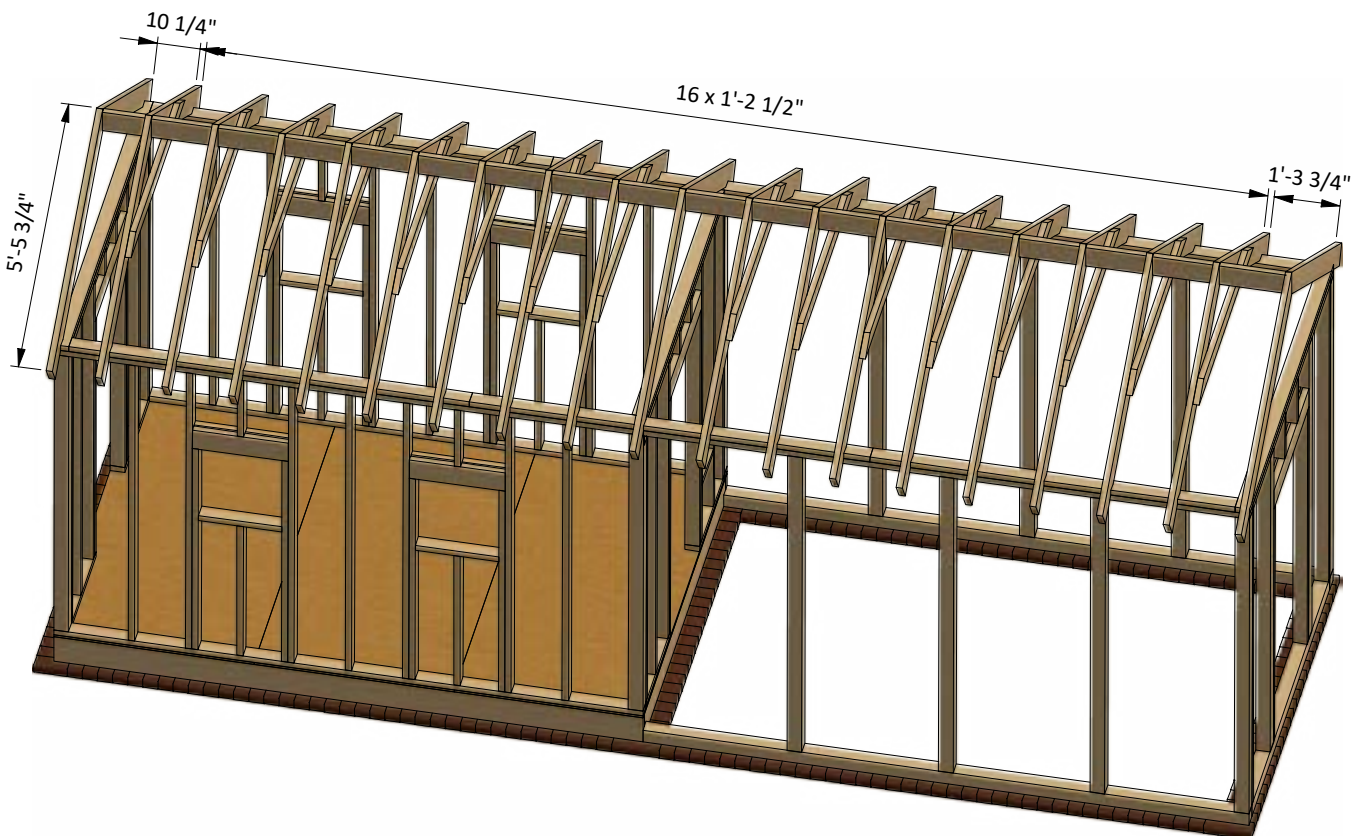
Assemble the Roof Frame

6.1 Using 1 1/2" x 5 1/2" pressure-treated lumber, cut thirty eight 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 sixteen 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 1/4" long, one board 1'-3 3/4" long and sixteen boards cut to 1'-2 1/2" long that will be ridge boards according the illustration below.

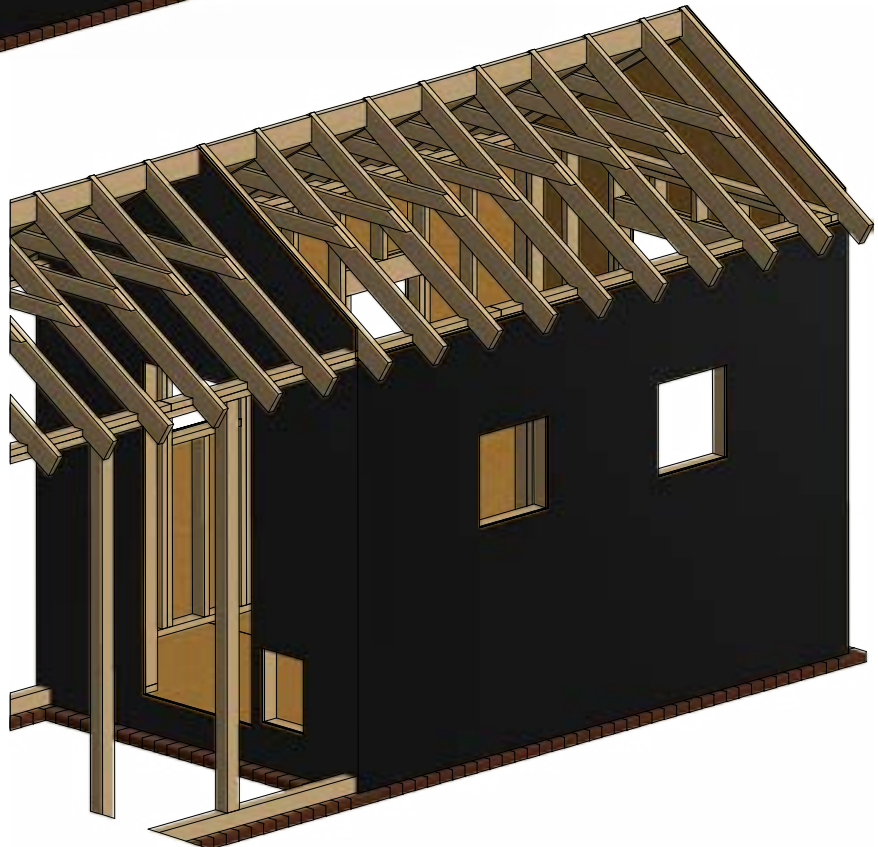
6.4 Connect the beams with 3" and 5" wood screws.



STEP 7

Install Building Paper

7.1 Cover the walls with building paper. You will need 295 sq ft.



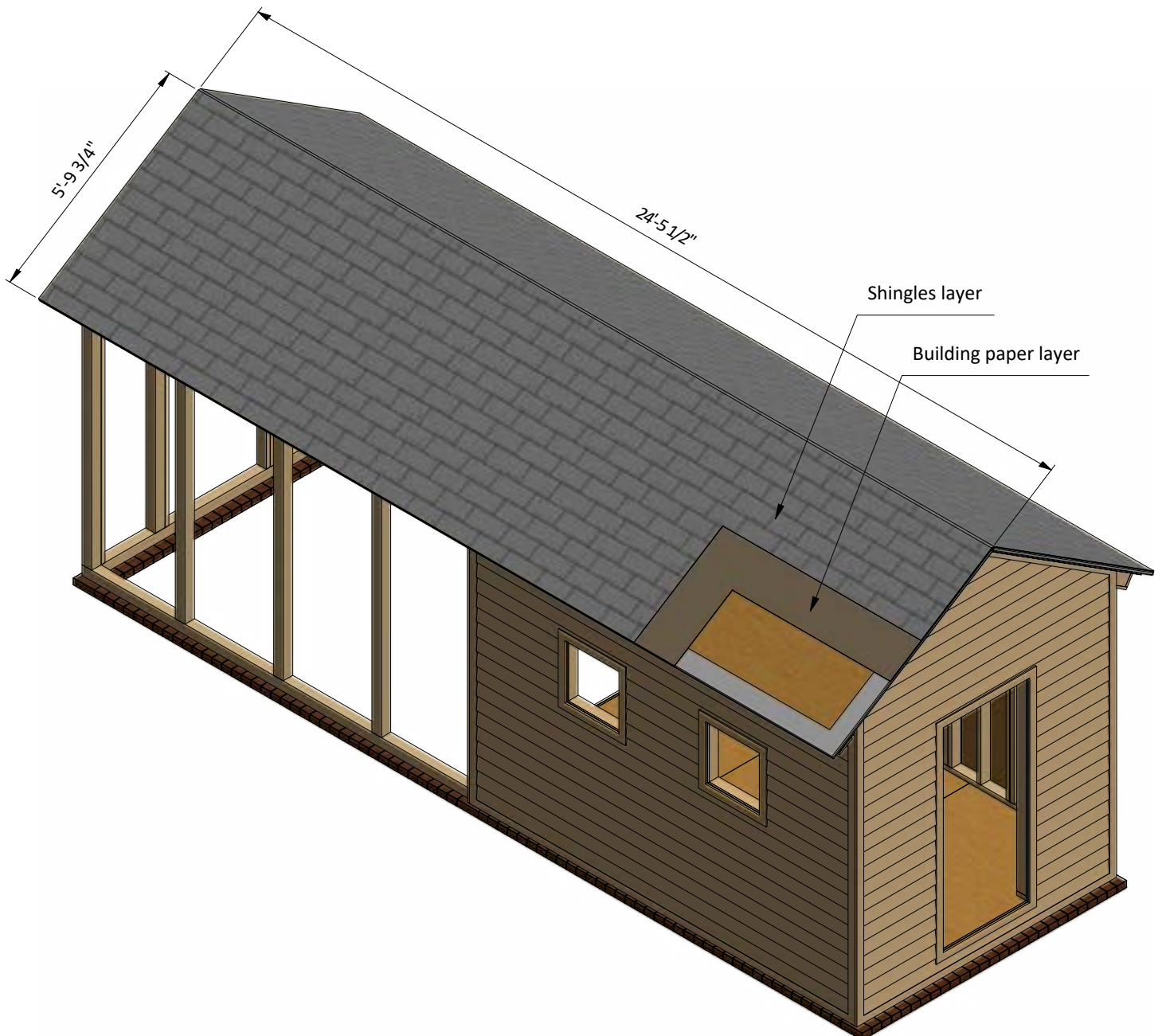
STEP 8

Coop's Roof Sheathing Installation

8.1 You will need 285 Sq Ft of building paper and asphalt shingle roofing.

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

8.3 Install asphalt shingle roofing using an industrial stapler.



STEP 9

Assemble and Install Front and Back Doors

9.1 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.

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

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

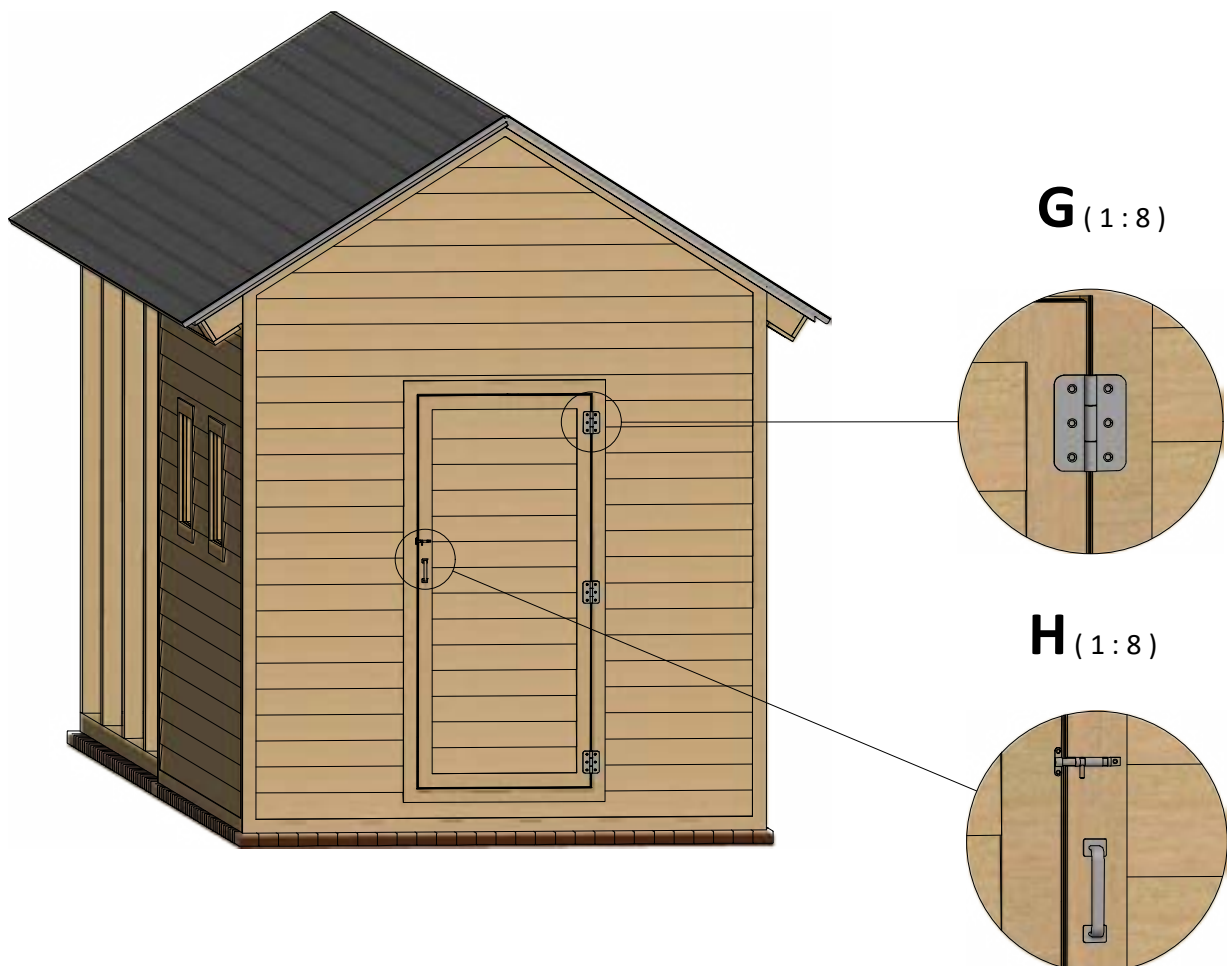
9.4 Using 1/4" x 3/4" pressure-treated lumber, cut and install a starter course 2'-2 1/2" long using node E on page 32 as a reference.

9.5 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.

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

Finish the door installation by attaching 6" door pull and 3" surface bolt (see nodes **G**, **H**).

Front wall (1 : 35)



STEP 10

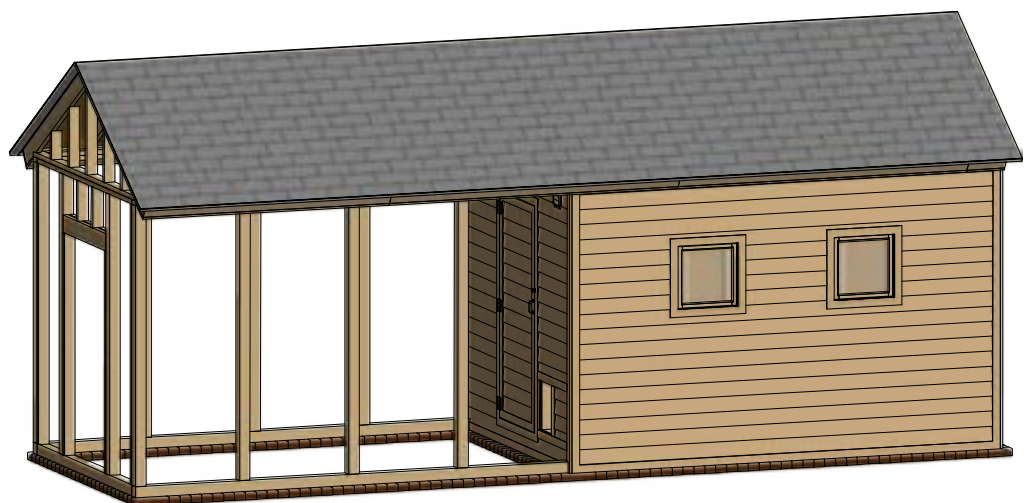
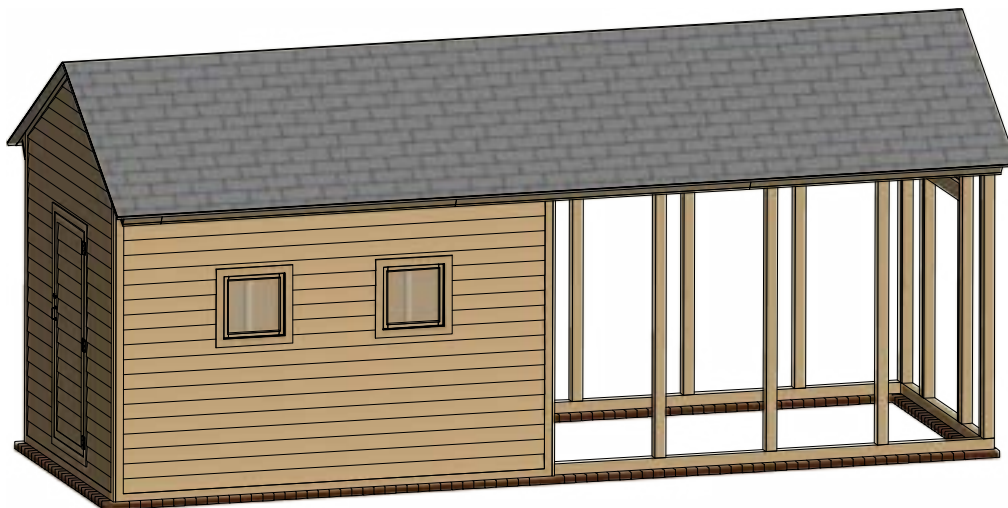
Assemble and Install Windows

You will need to assemble four windows

10.1 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.

10.2 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.

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



STEP 11

Assemble The Nesting Boxes

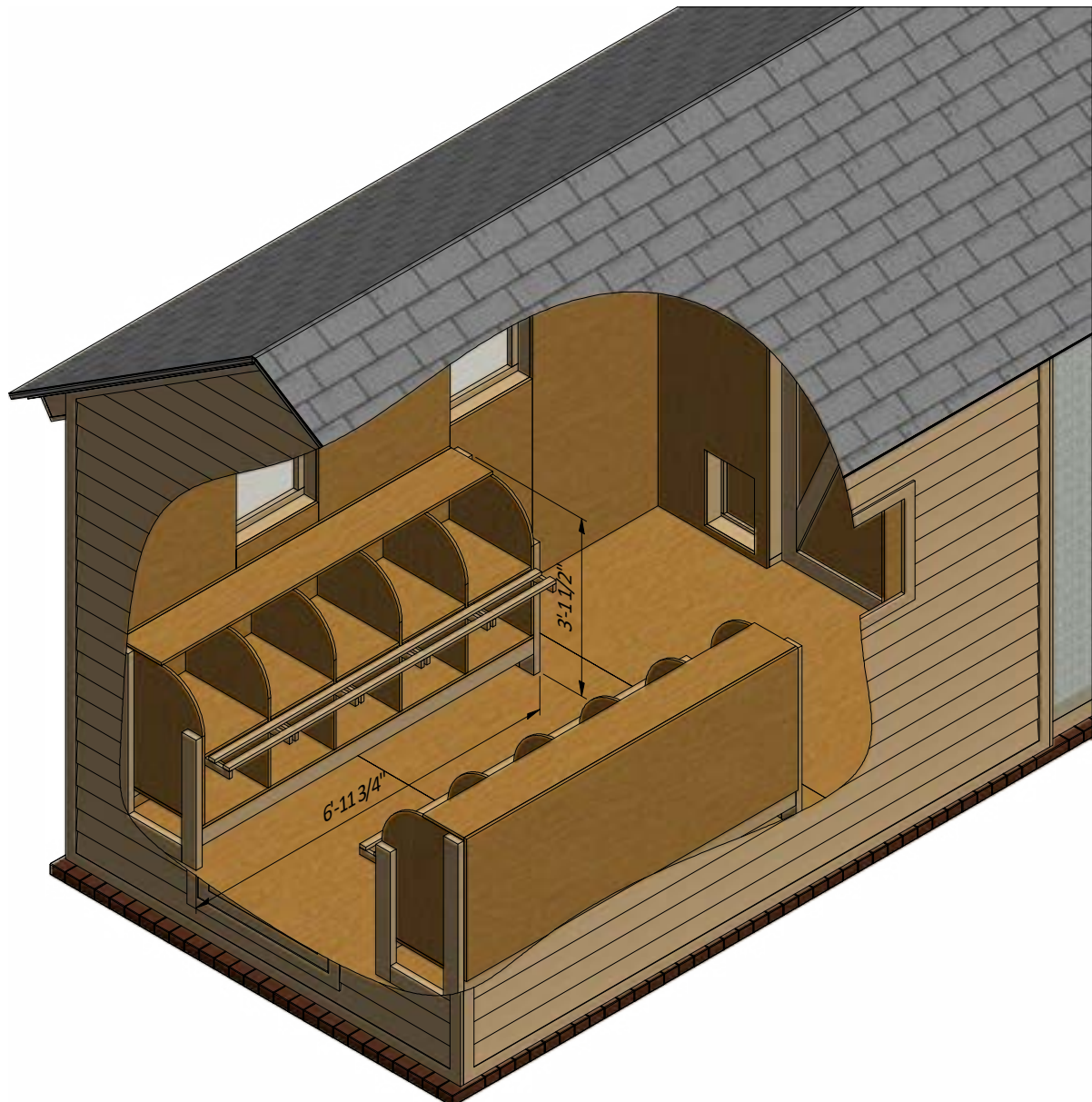
You will need to assemble two nesting boxes.

11.1 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.

11.2 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".

11.3 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 12

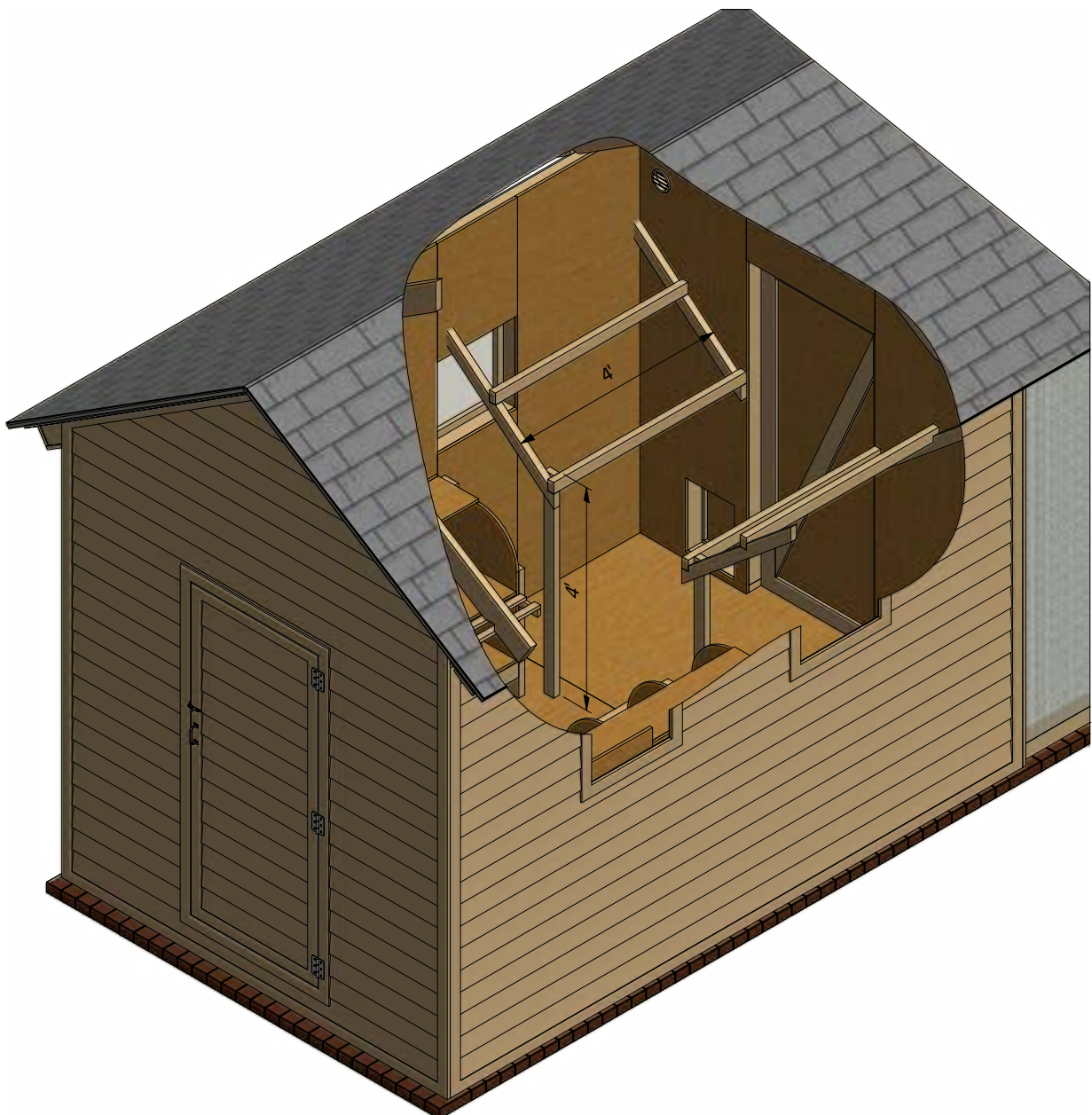
Assemble The Roost

You will need to assemble two roosts.

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

12.2 Connect the beams with 3" wood screws.

12.3 Install the roost to the walls with the help of 3" screws. Using 1 1/2" x 2 1/2" pressure-treated material prepare one support stud 4' long and connect it to the corner of the roost according to the drawing below.



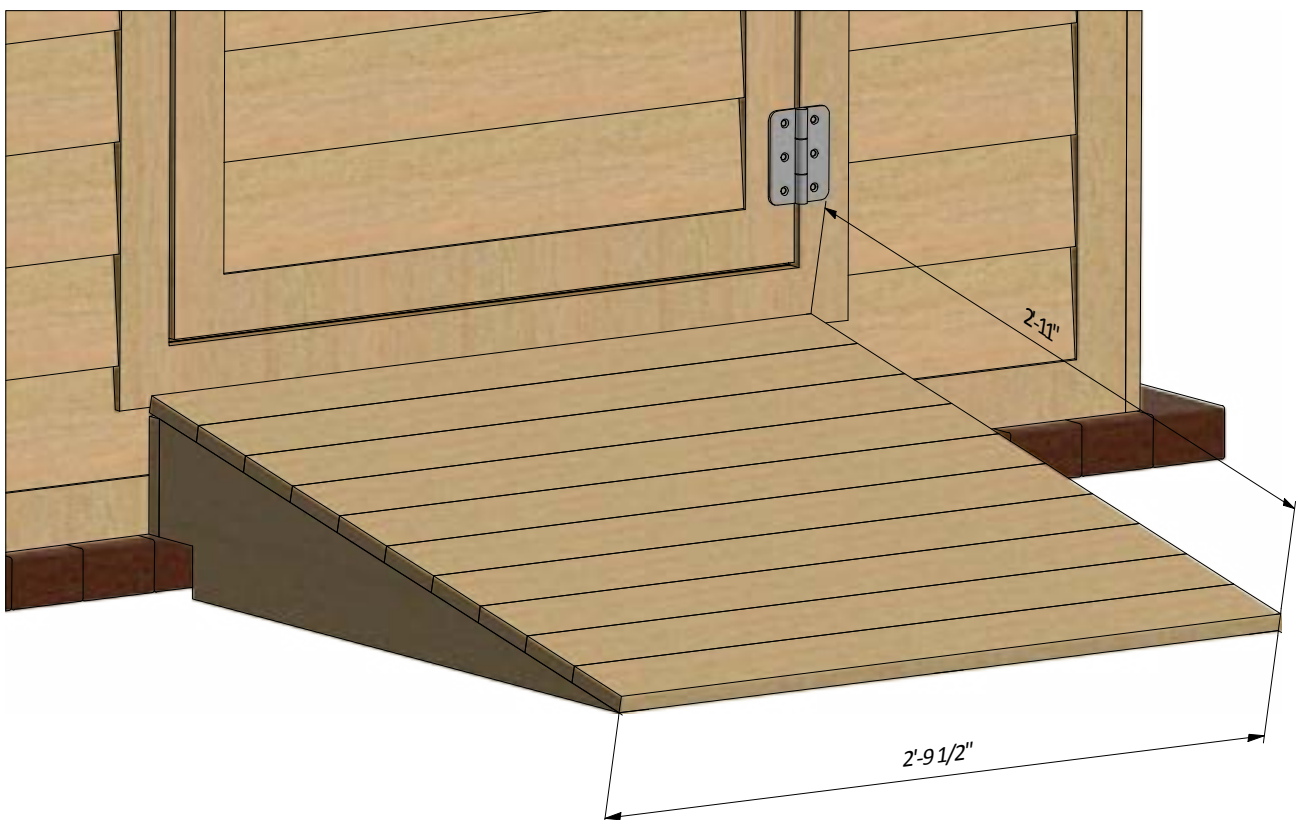
STEP 13

Assemble and Install Door Ramp

You will need to prepare two ramps: for the front and back doors.

13.1 Using 3/4" x 3 1/2", 3/4" x 5 1/2", 1 1/2" x 3 1/2" and 1 1/2" x 7 1/4" pressure-treated lumber, construct door ramp using the drawing below as a reference. You will need three boards cut to 2'-9 1/2" that will be support girts, two boards cut to 1'-2 1/2" that will be joists (cut the top edge to fit the angle of support girts), one board cut to 5" x 2'-9 1/2" that will be rim joist and ten boards cut to 2'-9 1/2" that will be top sheathing.

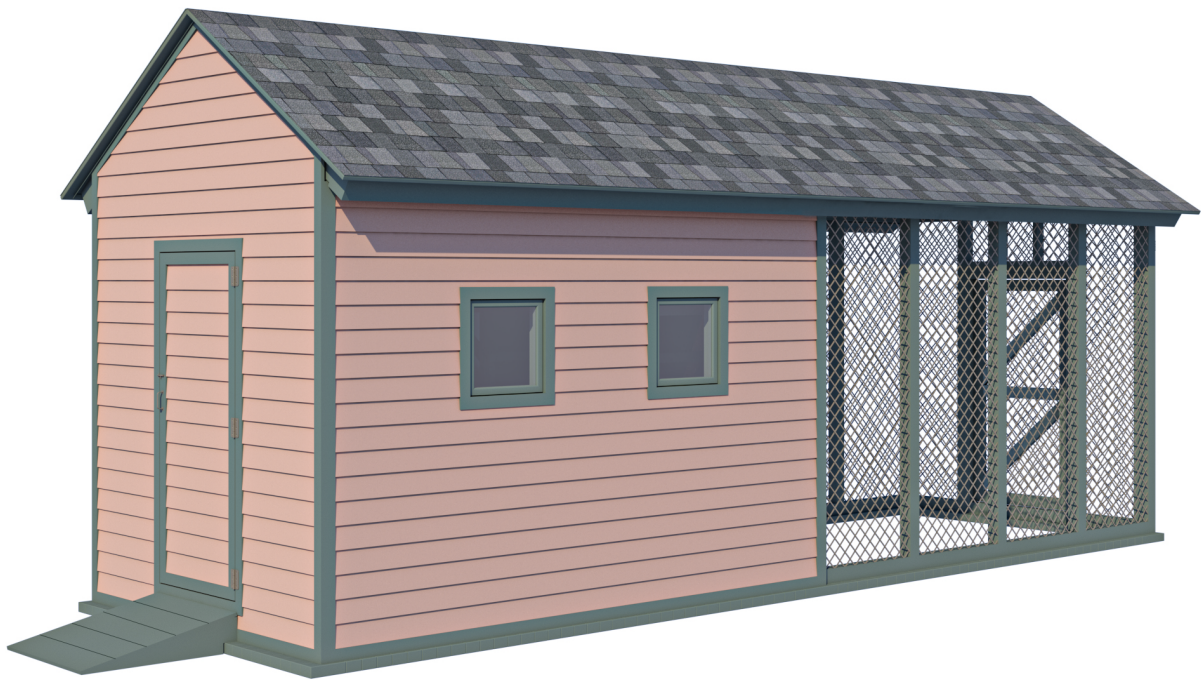
13.2 Assemble siding shields with 2" and 3" galvanized nails.

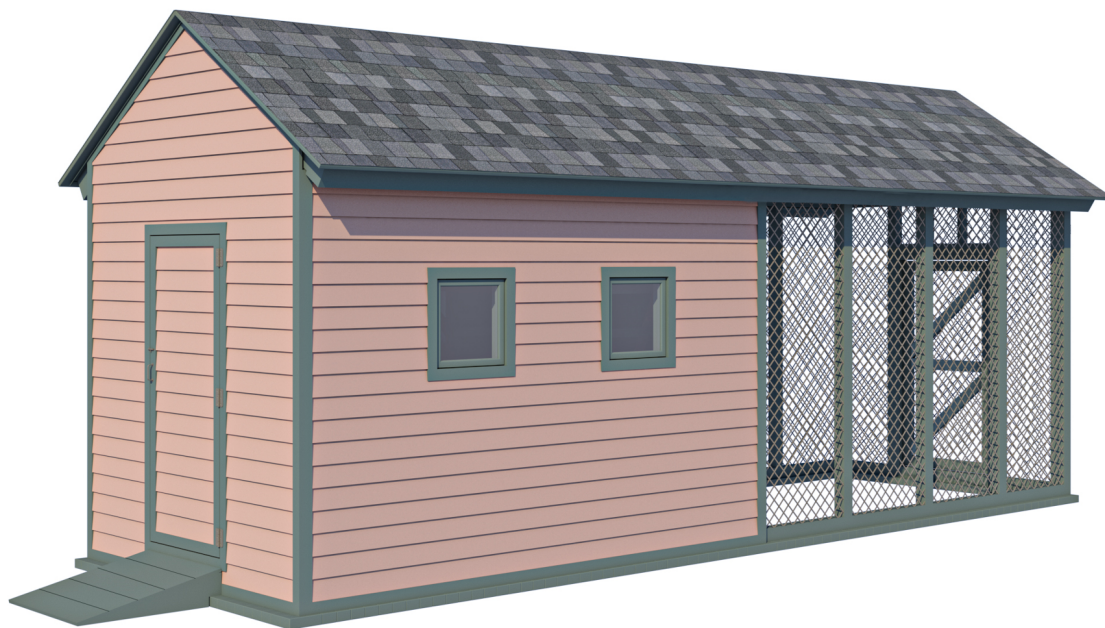


STEP 14

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	18	51
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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