



4'x10' Chicken Coop Plan

Up to 10 chickens



Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	23	67
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	✗	✓

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4'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

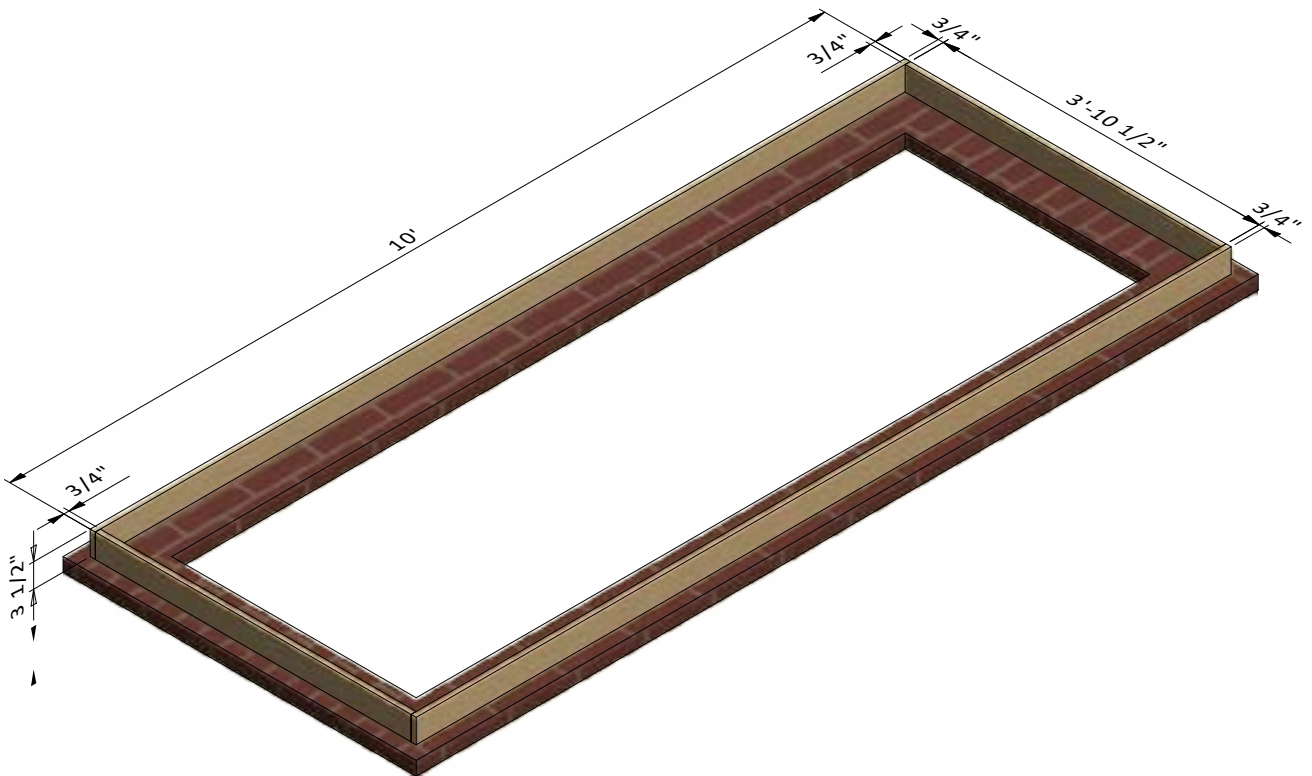
STEP 1

Framing the Bottom Rails

1.1 Assemble the frame using $\frac{3}{4}$ " x $5\frac{1}{2}$ " pressure-treated lumber. You will need two boards cut to 3'-10 $\frac{1}{2}$ " that will be the rim joist and two boards cut to 10' that will be the joist.

1.2 Secure the beams with 3" wood screws.

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



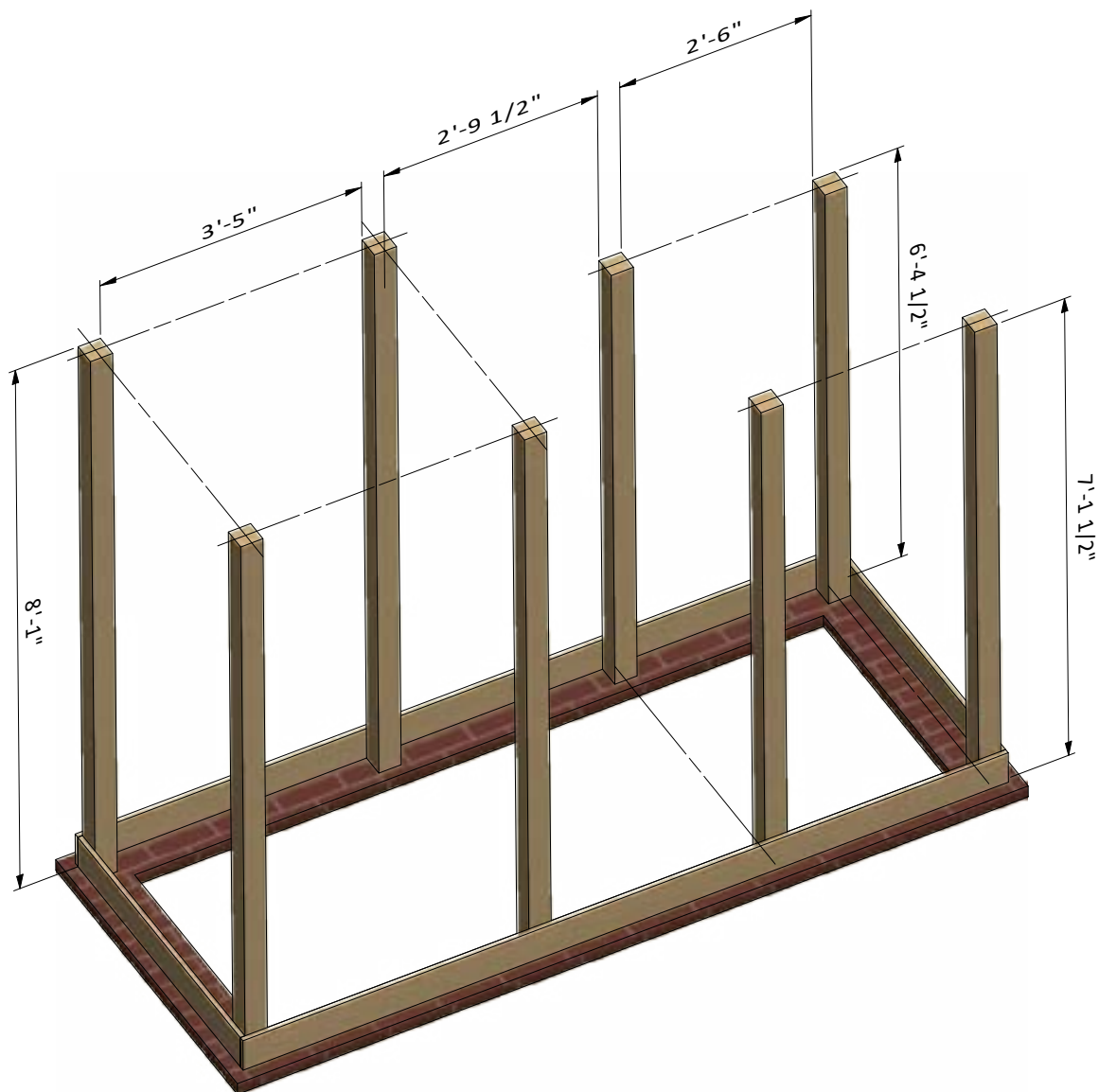
STEP 2

Assemble the Wall Studs

2.1 Using 3 1/2" x 3 1/2" pressure-treated lumber, install the wall studs using the drawing below as a reference. You will need four boards cut to 8'-1", two boards cut to 6'-4 1/2" and two boards cut to 7'-1 1/2".

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

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



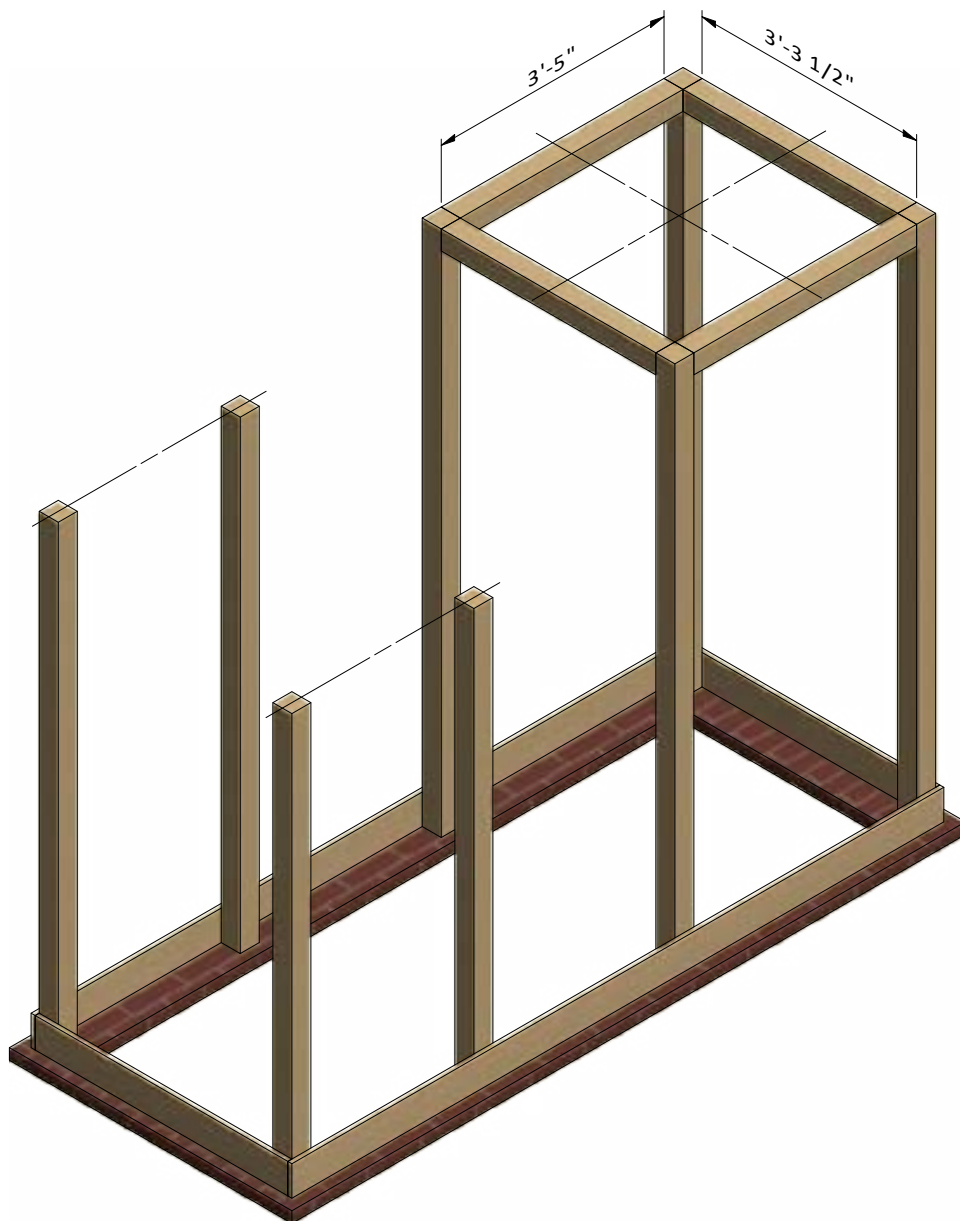
STEP 3

Assemble The Top Plates

3.1 Assemble the top plates using 3 1/2" x 3 1/2" pressure-treated material. You will need two boards cut to 3'-5" and two boards cut to 3'-3 1/2".

3.2 Connect the beams with 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 The Floor Frame

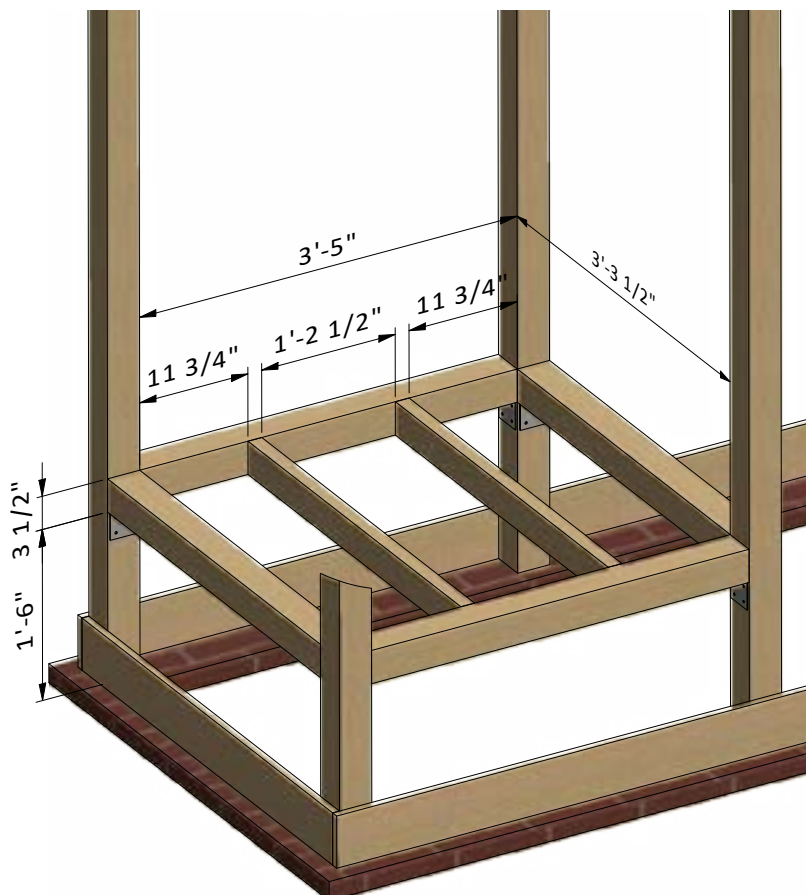
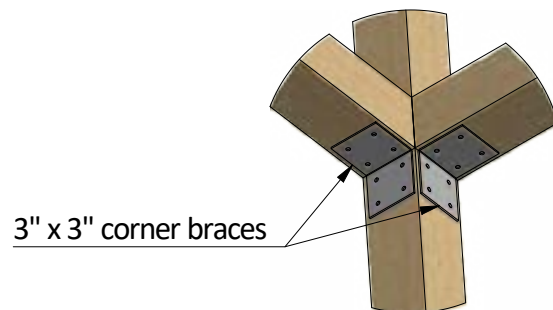
4.1 Using 3 1/2" x 3 1/2" pressure-treated material, cut four joist and assemble using the illustrations below as a reference. You will need two boards cut to 3'-5" and two boards cut to 3'-3 1/2".

4.2 Using 1 1/2" x 3 1/2" pressure-treated material, cut two rim joists using the illustration below as a reference. You will need two boards cut to 3'-3 1/2".

4.3 Connect the beams with 5" wood screws.

4.4 Use 3" x 3" corner braces and 1" wood screws to secure the corners.

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



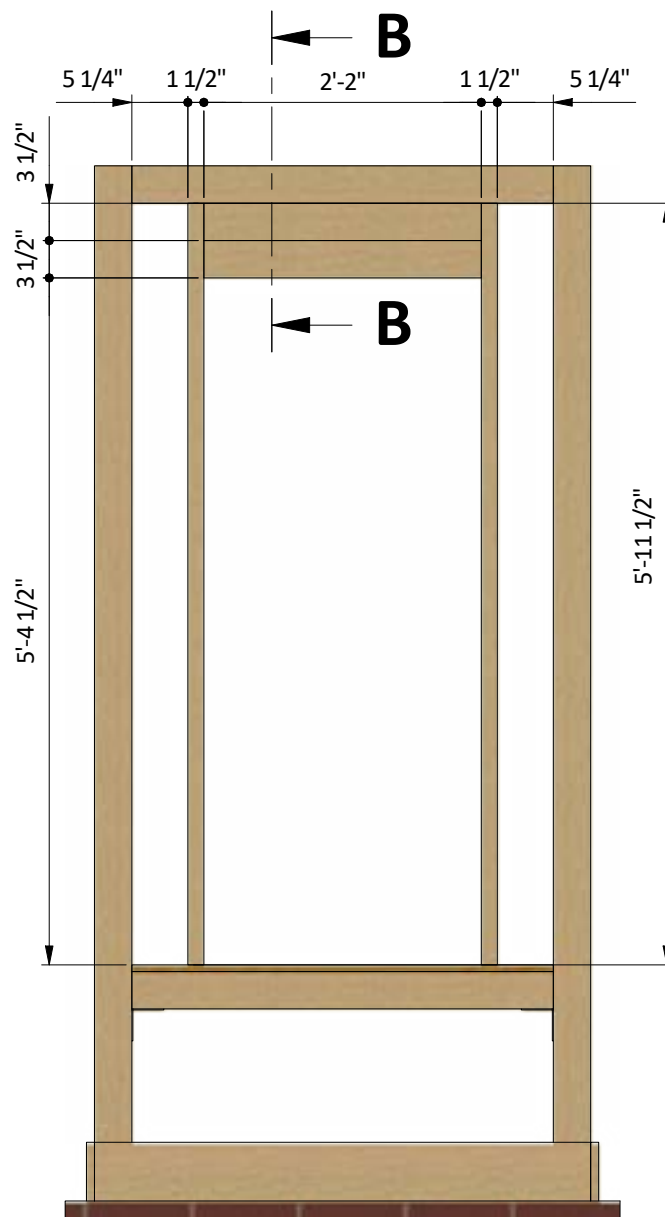
STEP 5

Assemble Left Side Wall Frame

5.1 Using $1\frac{1}{2}$ " x $3\frac{1}{2}$ " and $3\frac{1}{2}$ " x $3\frac{1}{2}$ " pressure-treated lumber, construct left side wall frame using the drawing below as a reference. You will need two boards cut to $5'-11\frac{1}{2}"$ that will be studs and two boards cut to $2'-2"$ that will be door headers.

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° .



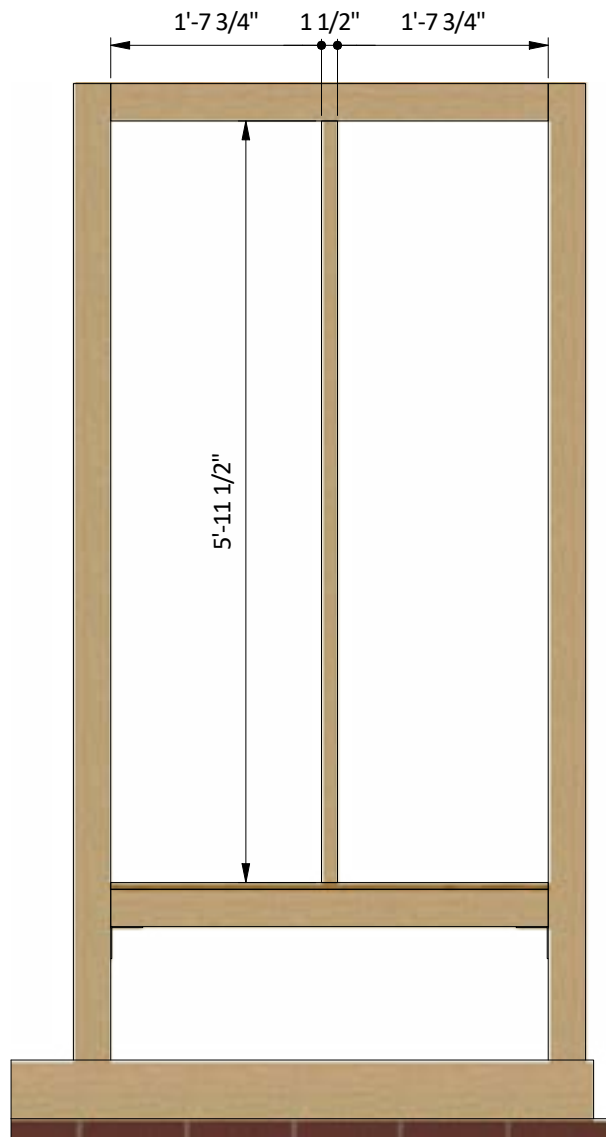
STEP 6

Assemble Back Side Wall Frame

6.1 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 one board cut to 5'-11 1/2" that will be stud.

6.2 Connect the beams with 2x3" wood screws.

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



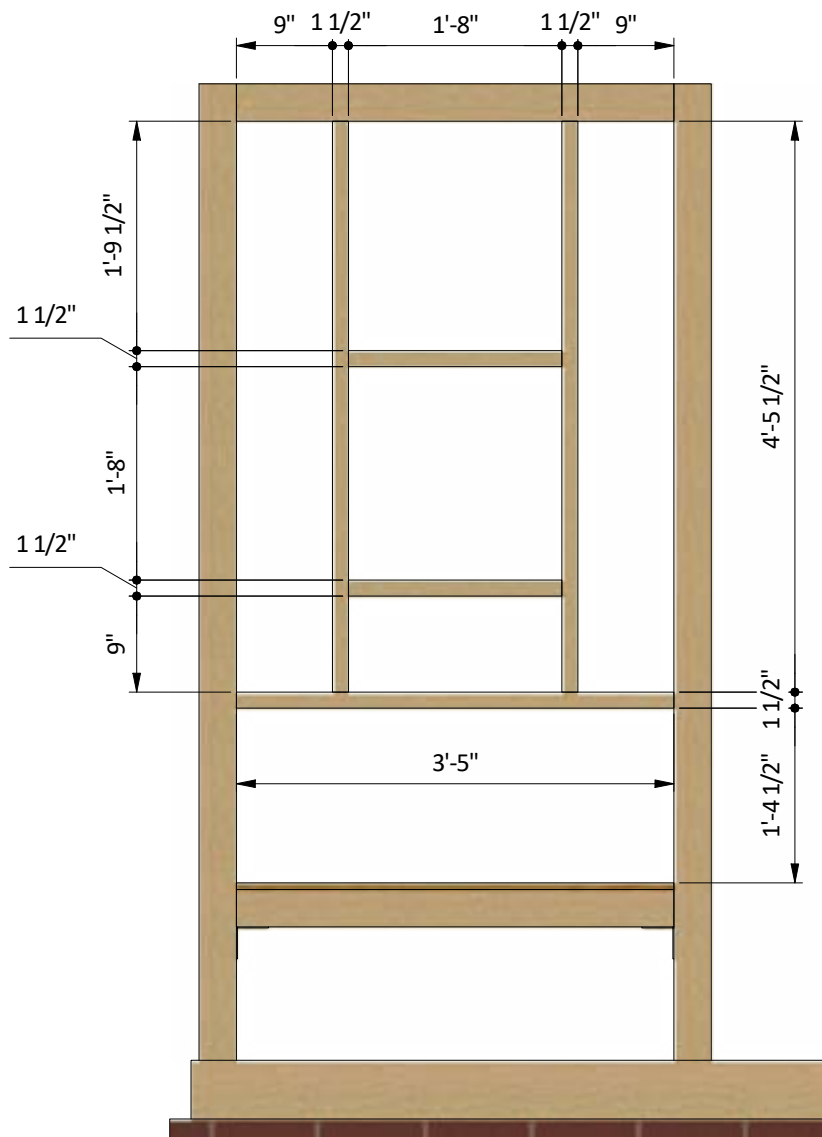
STEP 7

Assemble Front Wall Frame

7.1 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'-5 1/2" that will be studs, two boards cut to 1'-8" that will be the window header and rough sill and one board cut to 3'-5" that will be bottom plate.

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

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



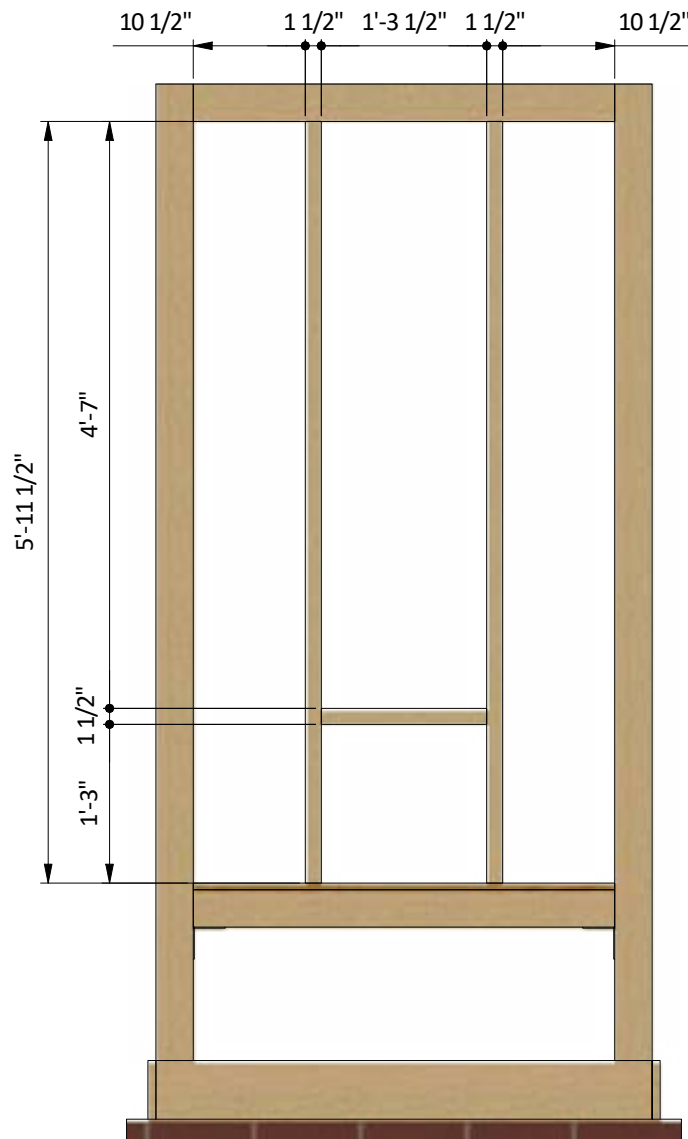
STEP 8

Assemble Right Side Wall Frame

8.1 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'-11 1/2" that will be studs and one board cut to 1'-3 1/2" that will be the door header.

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

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



STEP 9

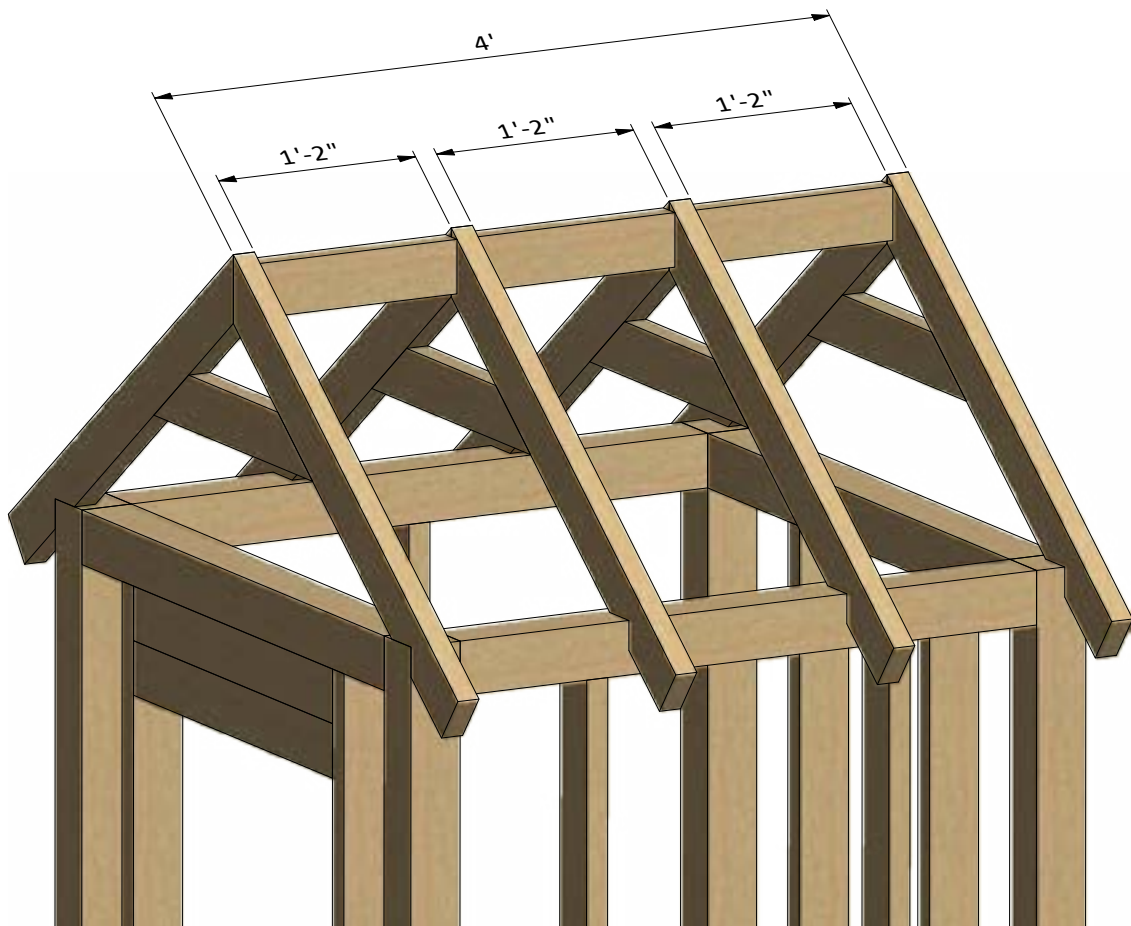
Assemble the Roof Frame

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

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

9.3 Using 1 1/2" x 3 1/2" pressure-treated board, cut three boards 1'-2" 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 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.

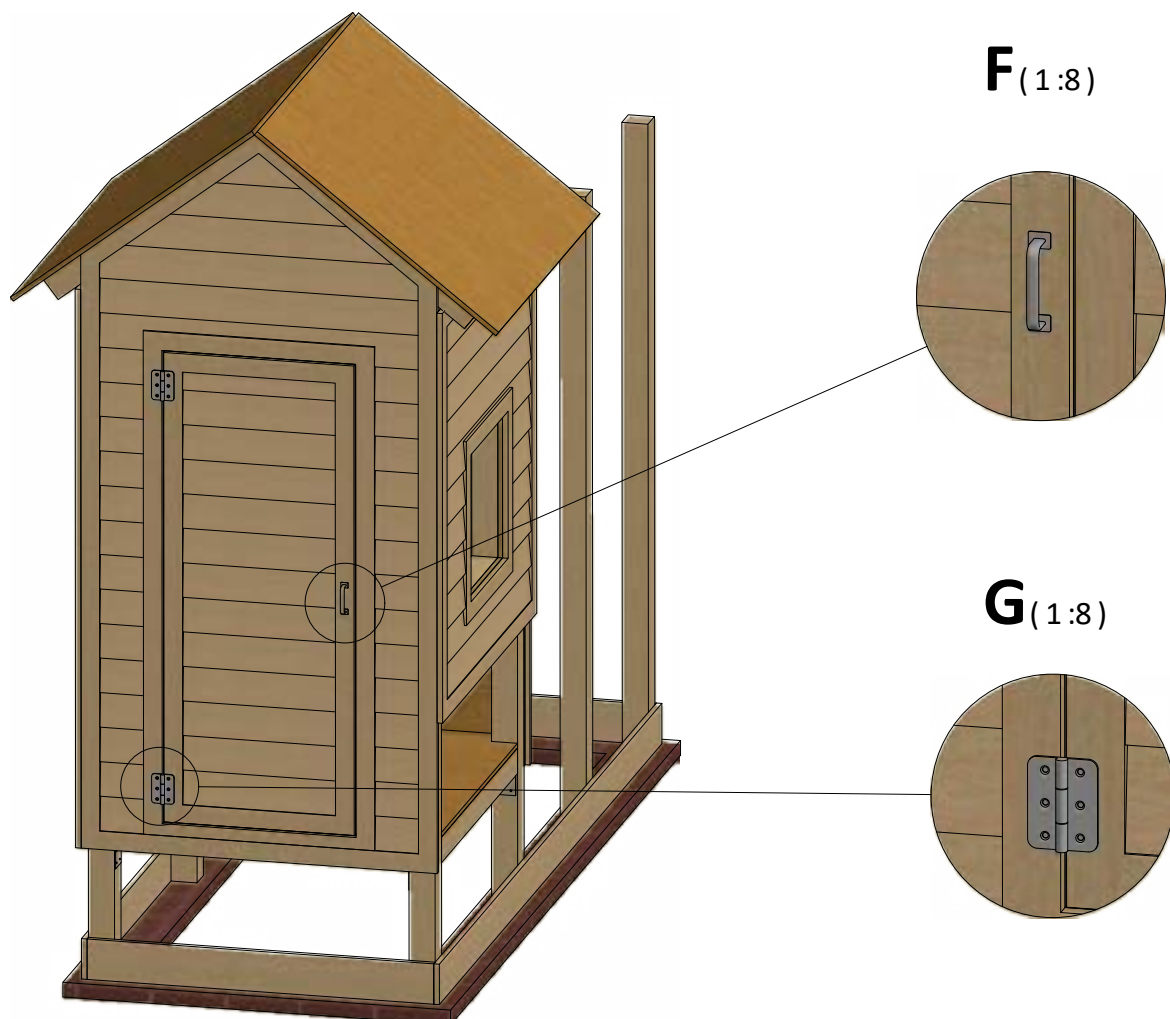
10.3 Use 3/4" x 2 1/2" pressure-treated lumber for the door trim and fasten with 2" wood screws. You will need two boards cut to 2'-1 1/2" and two boards cut to 4'-11".

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**).

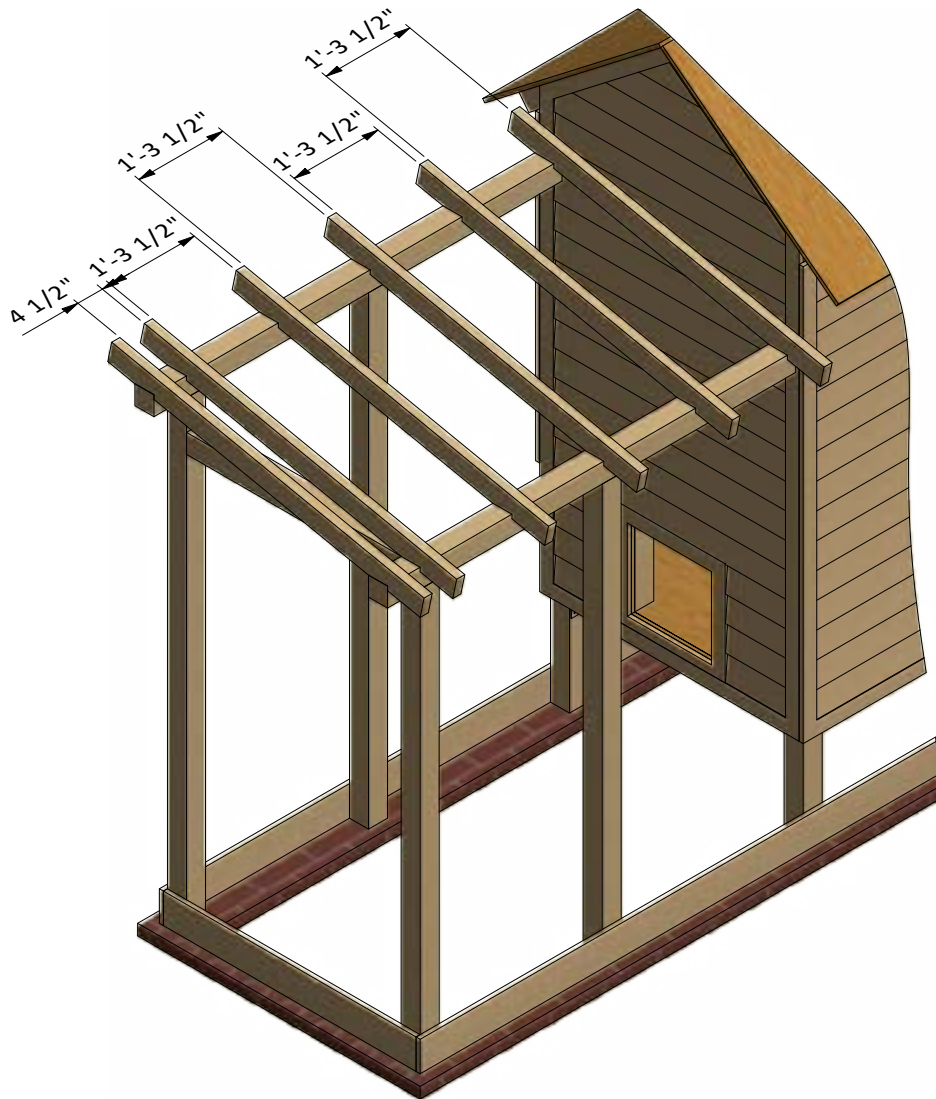


STEP 11

Assemble the Aviary Roof Frame

11.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, cut six rafters 4'-10 3/4" long according to the dimensions in drawings below. Cut the recesses for connection with top plates.

11.2 Connect the beams with 5" wood screws.



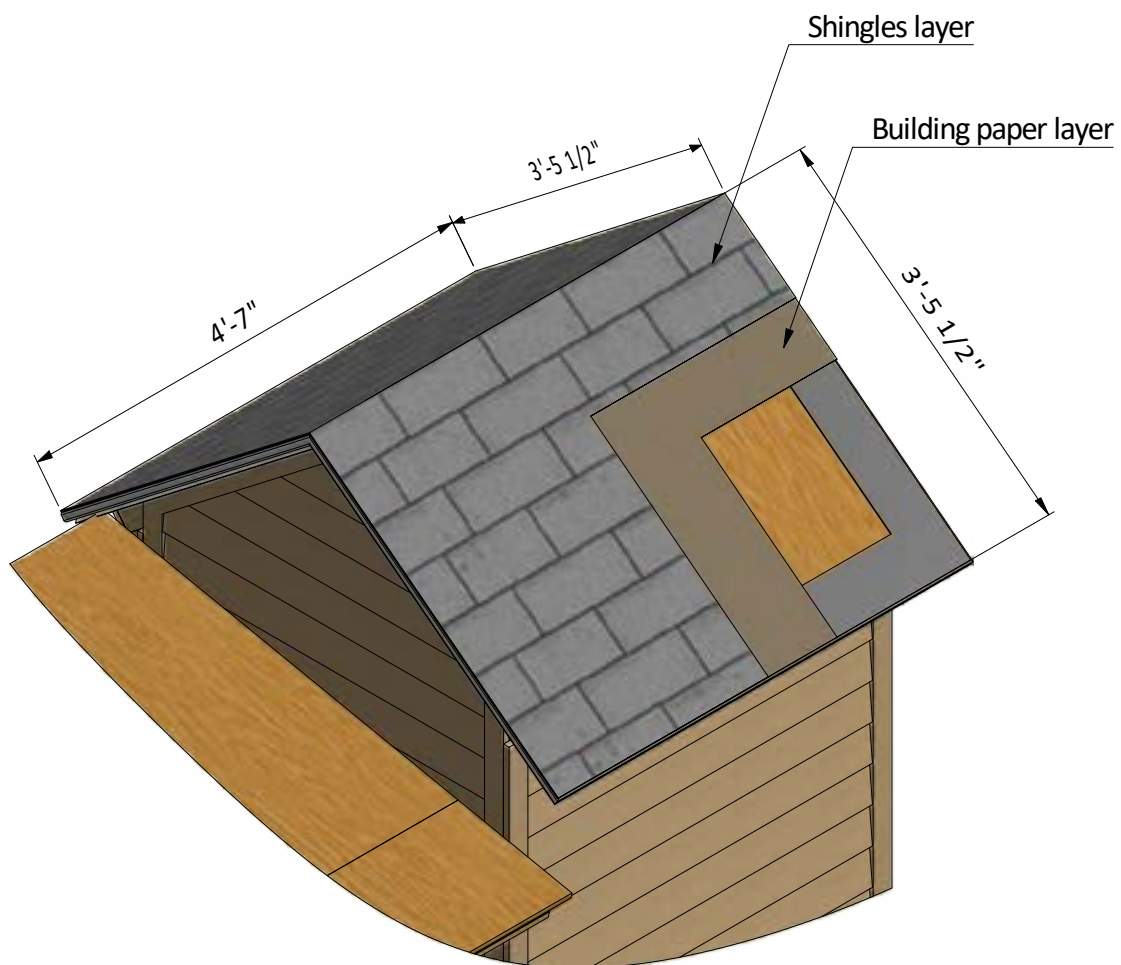
STEP 12

Roof Sheathing Installation

12.1 You will need 32 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.



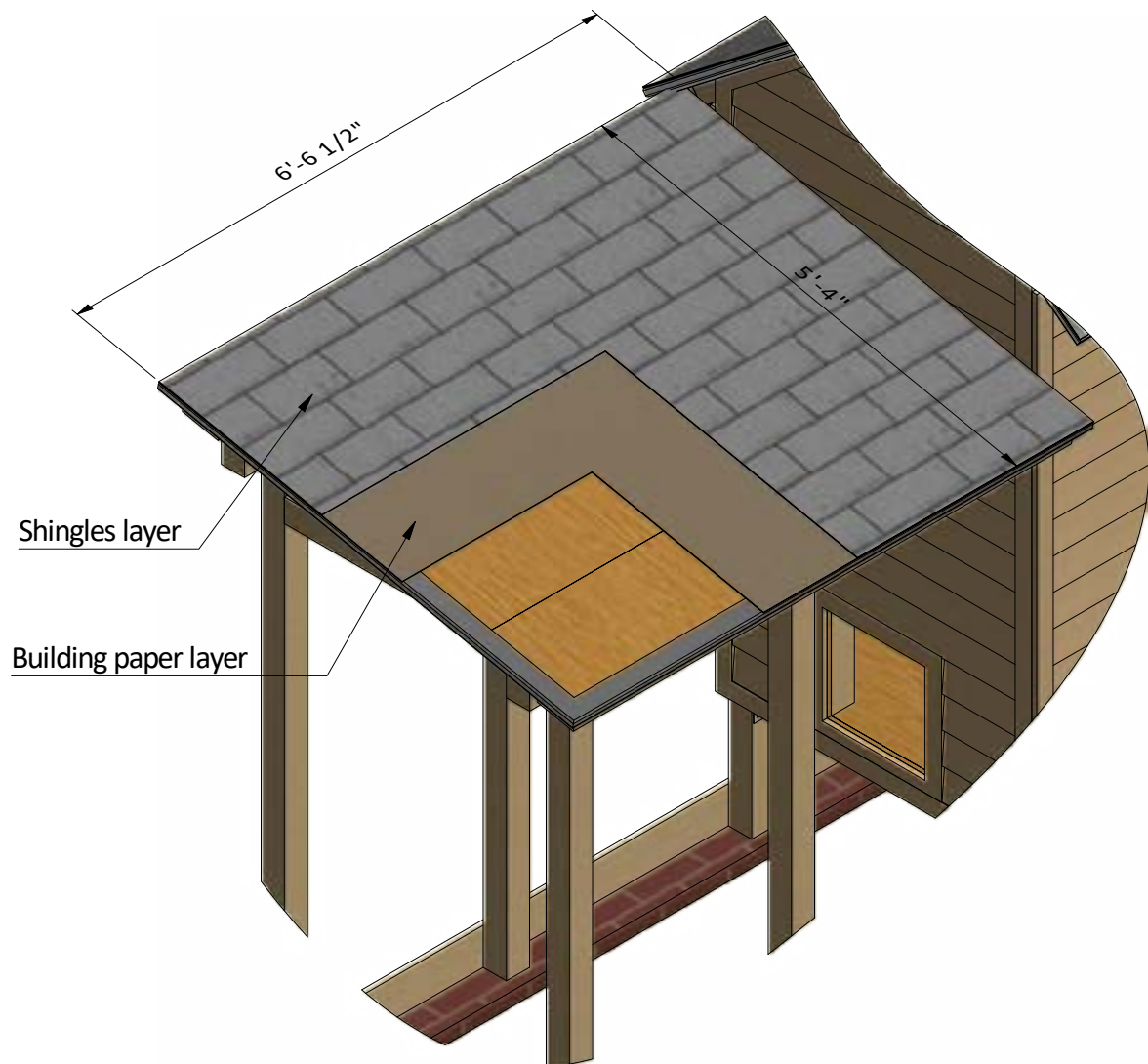
STEP 13

Roof Sheathing Installation

13.1 You will need 35 Sq Ft of building paper and asphalt shingle roofing.

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

13.3 Install asphalt shingle roofing using an industrial stapler.



STEP 14

Nesting Box Assembly

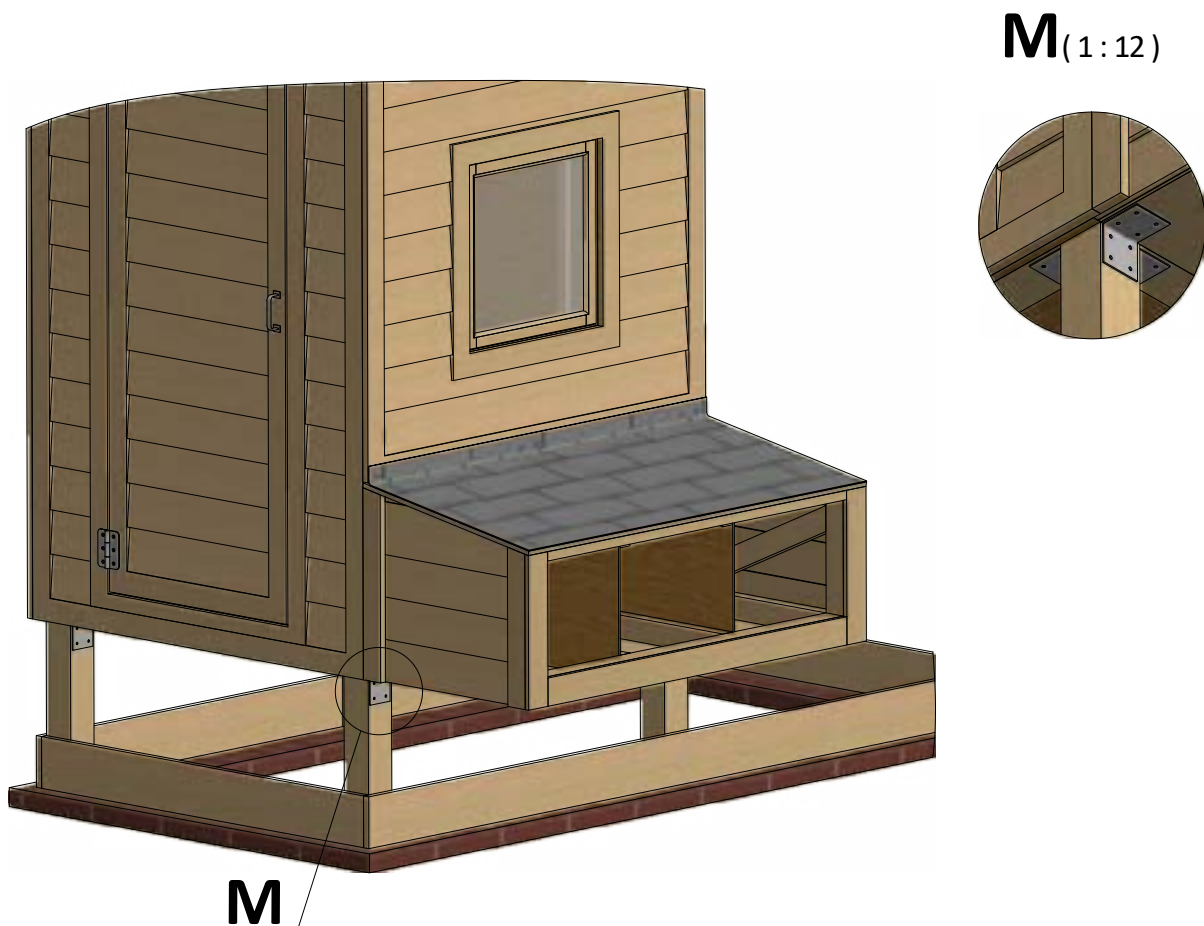
14.1 Using 1 1/2" x 2 1/2" and 2 1/2" x 2 1/2" material, assemble the frame for the nesting box using the illustration below as a guide. You will need four boards cut to 3'-9", four boards cut to 1'-7", two boards cut to 1'-7 3/4", two boards cut to 1'-8 3/4" that will be horizontal girts, two boards cut to 1'-10" that will be cross braces, two boards cut to 1'-8" and two boards cut to 1'-4 1/2" that will be studs. Make sure to provide 9 degree slope for the roof of the nesting box.

14.2 Cover the top and bottom of the nesting box with 5/8" plywood and secure with 2" wood screws. You will need one 2'-1/4" x 4'-2 3/4" sheet and one 2' x 4' sheet.

14.3 Using 1/4" x 3/4" pressure-treated lumber, cut and install two starter courses 2' long. Prepare the 1/2" x 6" wood siding boards in the required amount according to the drawing. Assemble siding shields with 2" galvanized nails to the frame beams from both sides.

14.4 Use 3/4" x 1", 3/4" x 2 1/2" and 3/4" x 3" pressure-treated lumber to cut and install the wall trims. Use the illustration below as a reference. You will need two boards cut to 1'-8 1/2", two boards cut to 1'-5", two boards cut to 1'-4 1/2" and two boards cut to 3'-9".

14.5 Cut sheets of 5/8" plywood for the inner partitions using the drawing below as a guide. You will need two 1'-7" x 1'-7 1/2" sheets.

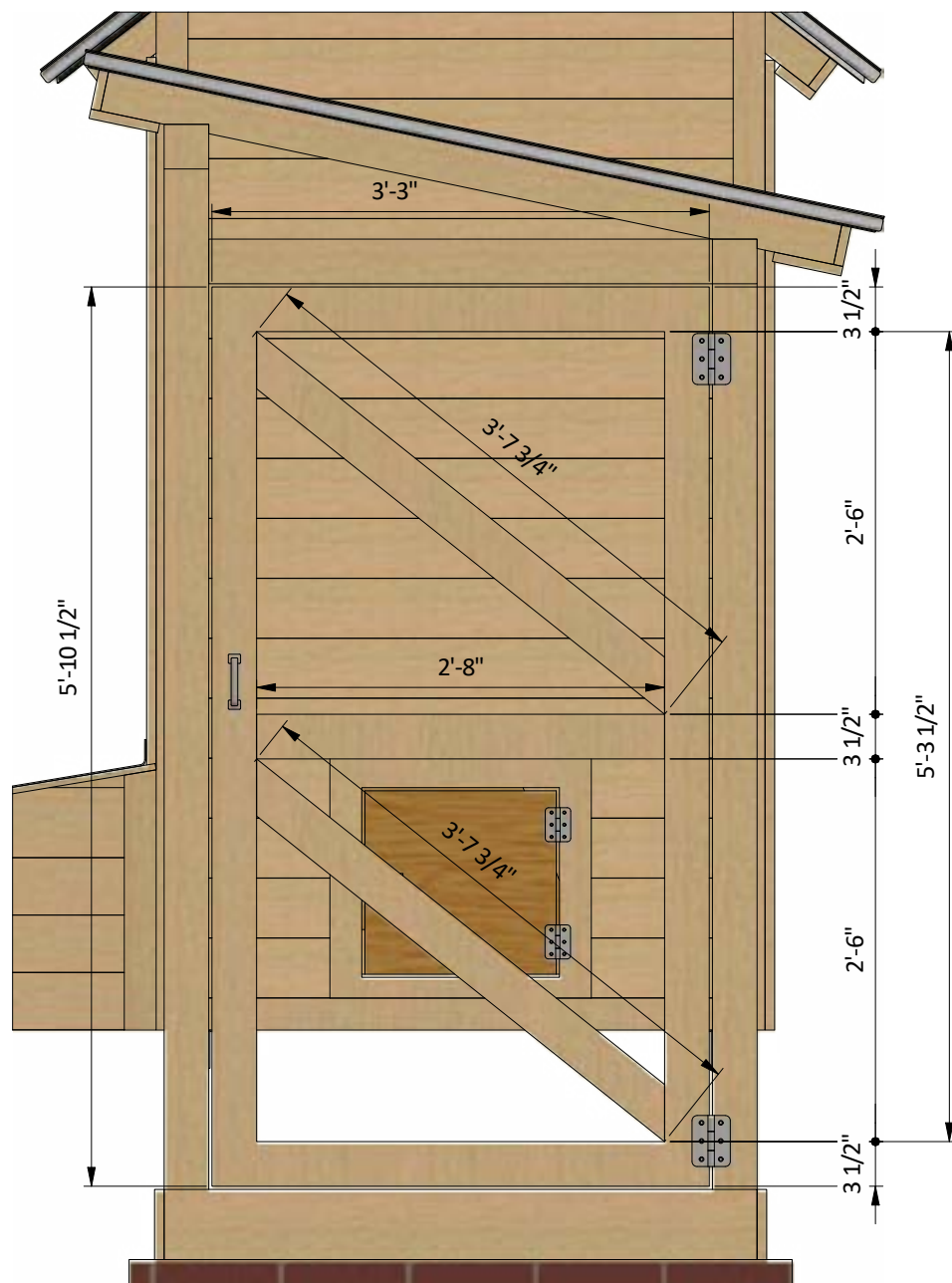


STEP 15

Assemble and Install Aviary's Door

15.1 Build the door frame using 1 1/2" x 3 1/2" pressure-treated lumber and secure with 5" wood screws. You will need two boards cut to 5'-3 1/2" that will be the vertical girts, two boards cut to 3'-3" and one board cut to 2'-8" that will be the horizontal girts, and two boards cut to 3'-7 1/4" that will be cross braces.

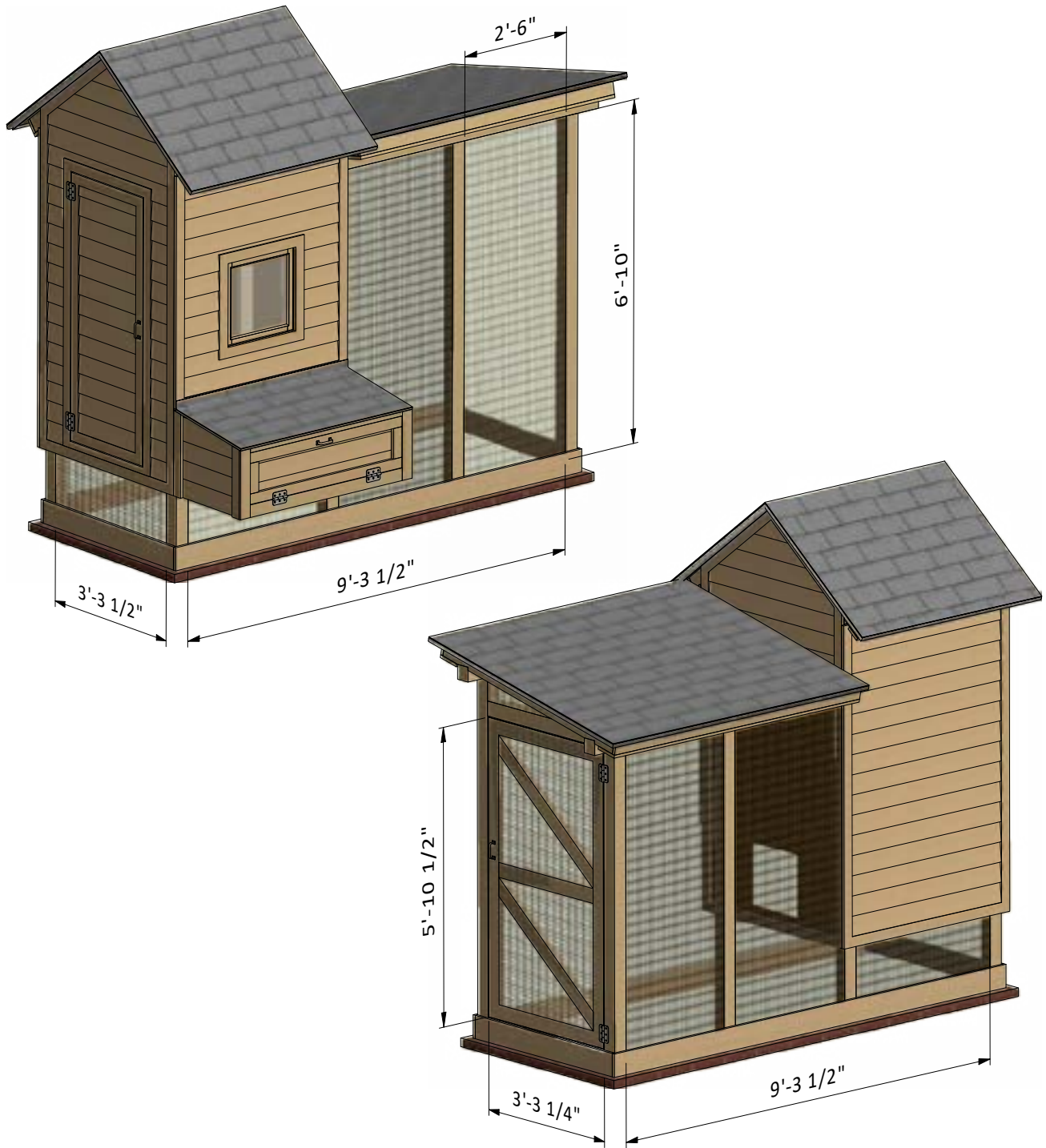
15.2 Install two 3" door hinges using 1" wood screws. Finish the door installation by attaching 6" door pull.



STEP 16

Mesh Wall Installation

16.1 Cover the walls with 1/4" wire mesh with the help of industrial stapler. You will need 100 sq ft.



STEP 17

Assemble The Roost

17.1 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 3'-2 1/4".

17.2 Connect the beams with 2" wood screws.

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



STEP 18

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	23	67
Illustrations for Each Step	✓	✓
Print Ready	✓	✓
Step By Step Instructions	✓	✓
Full Materials and Cuttings List	✗	✓
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Additional Blueprints	✗	✓
Tools List	✗	✓
Fastening Elements List	✗	✓
Technical Support	✗	✓

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