EASY COOPS

STEP BY STEP

3' x 4' Chicken Coop Plan

Up to 4 chickens

Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	21	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

3'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

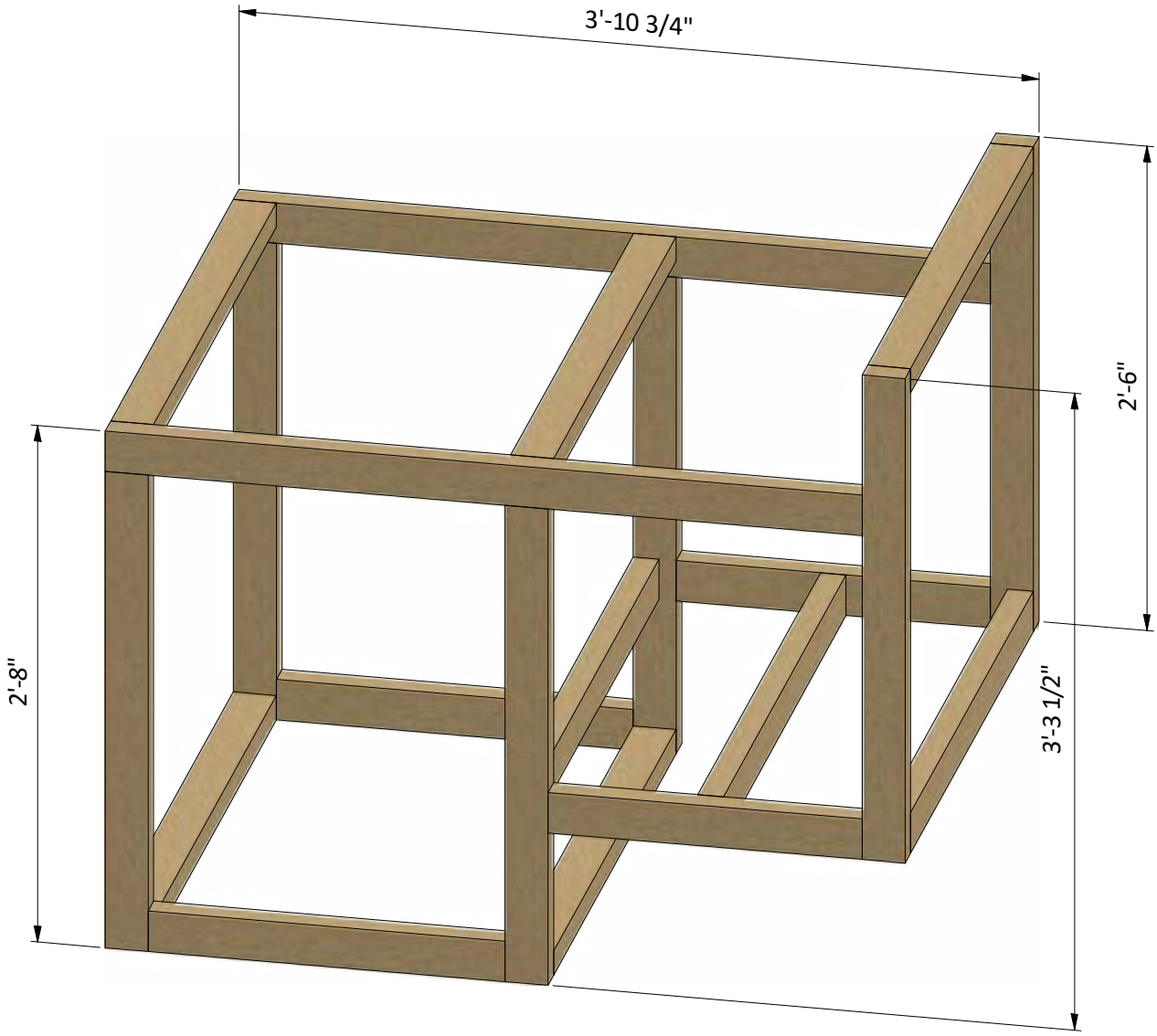
Assemble the Main Frame

1.1 Assemble the frame using 1 1/2" x 2 1/2" pressure-treated lumber. Prepare two side parts and eight joints. For each side wall you will need two boards cut to 2'-5 1/2" and one board cut to 2'-6" that will be studs, one board cut to 3'-8 1/4", one board cut to 1'-8 3/4" and one board cut to 1'-6 1/4" that will be horizontal beams.

1.2 Using 1 1/2" x 2 1/2" pressure-treated lumber cut eight beams 2'-9" long that will be the joints.

1.3 Secure the beams with 5" wood screws.

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



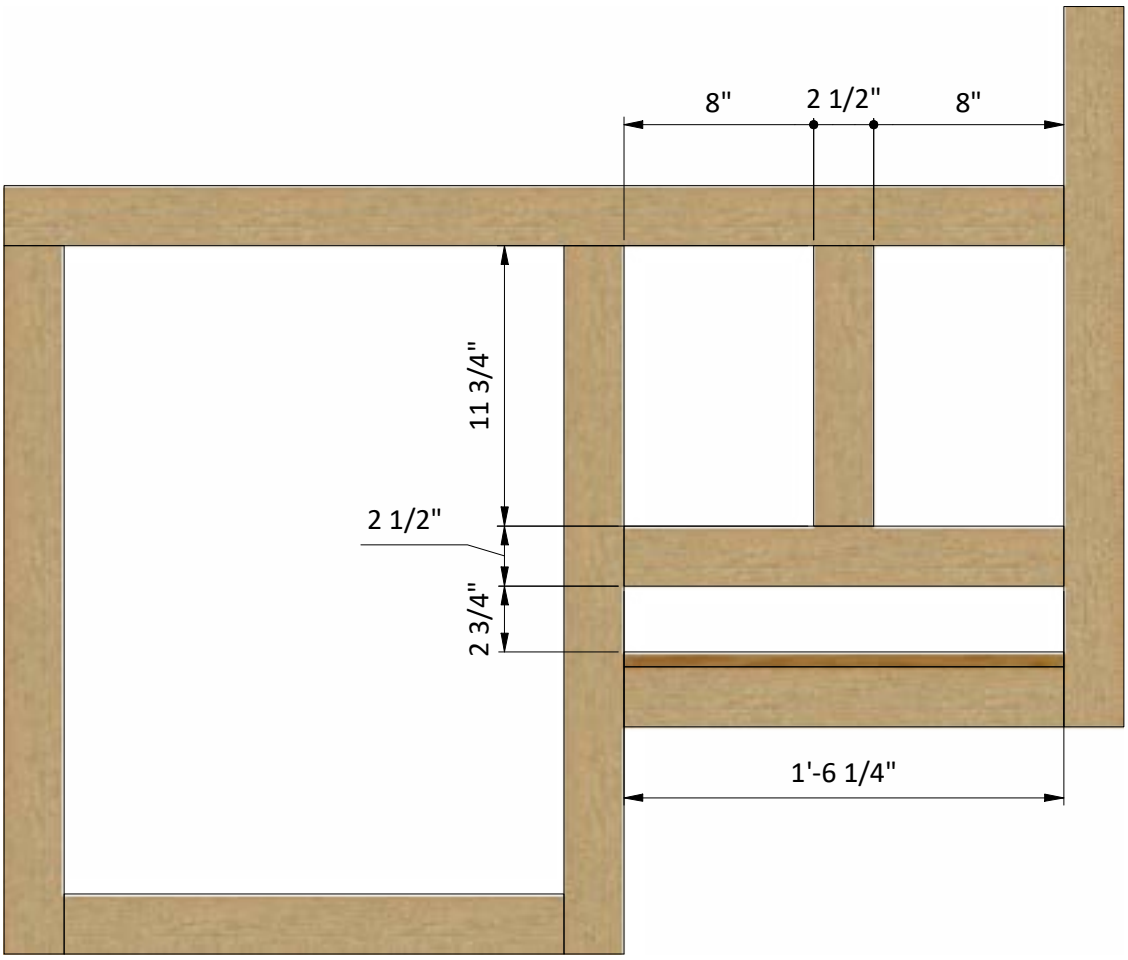
STEP 2

Assemble Left Wall Frame

2.1 Using 1 1/2" x 2 1/2" pressure-treated lumber, construct left wall frame using the drawing below as a reference. You will need one board cut to 11 3/4" that will be stud and one board cut to 1'-6 1/4" that will be bottom beam.

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°.



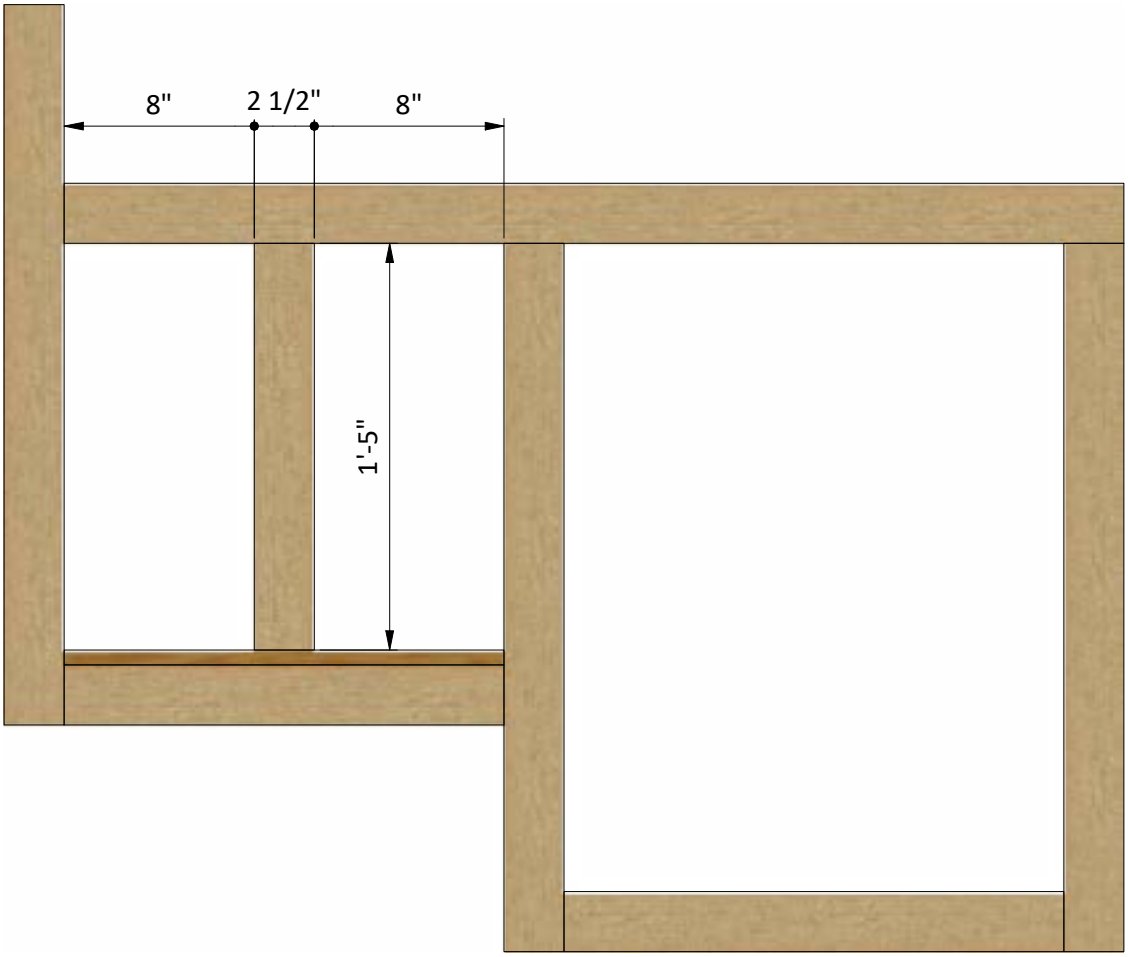
STEP 3

Assemble Right Wall Frame

3.1 Using 1 1/2" x 2 1/2" pressure-treated lumber, construct right wall frame using the drawing below as a reference. You will need one board cut to 1'-5" that will be stud.

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°.



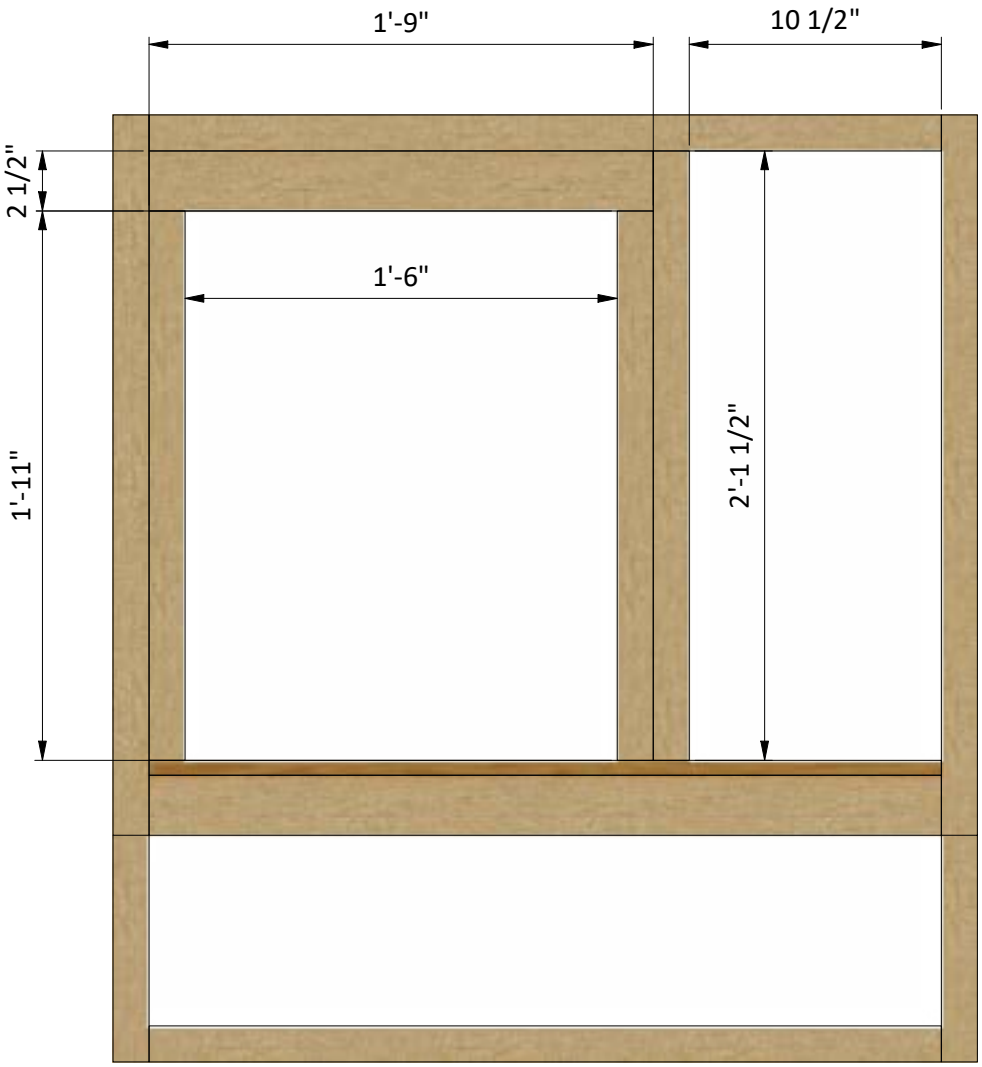
STEP 4

Assemble Front Wall Frame

4.1 Using 3/4" x 2 1/2" and 1 1/2" x 2 1/2" pressure-treated lumber, construct front wall frame using the drawing below as a reference. You will need one board cut to 2'-1 1/2", two boards cut to 1'-11" that will be studs and two boards cut to 1'-9" that will be the door header.

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°.



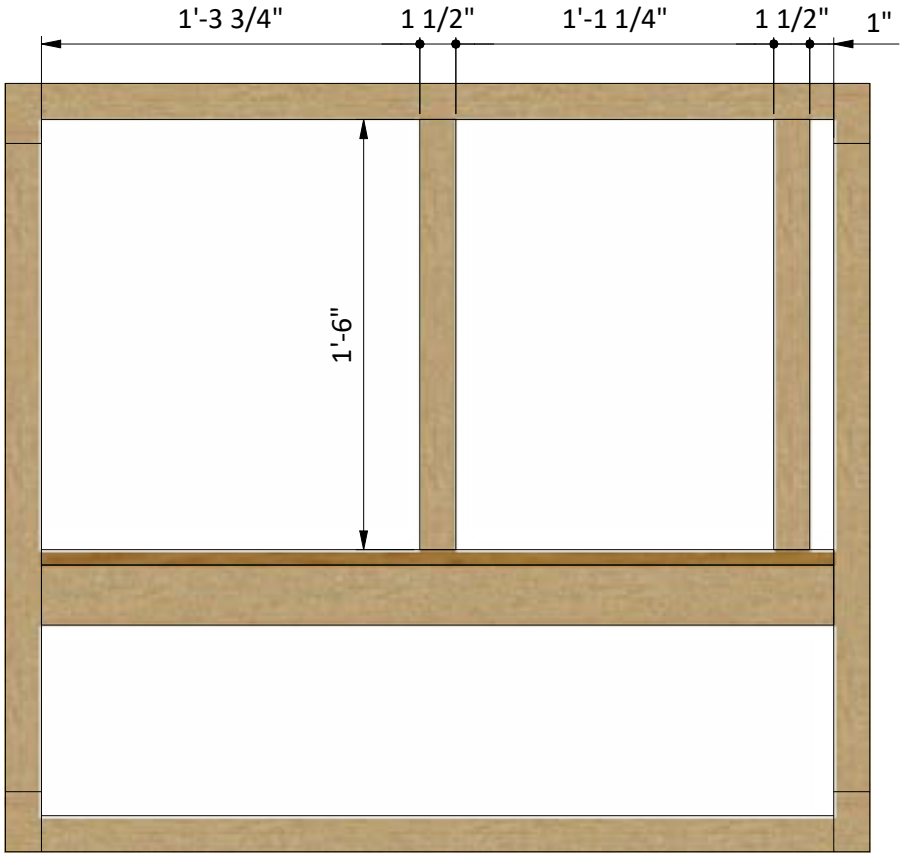
STEP 5

Assemble Back Wall Frame

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

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°.

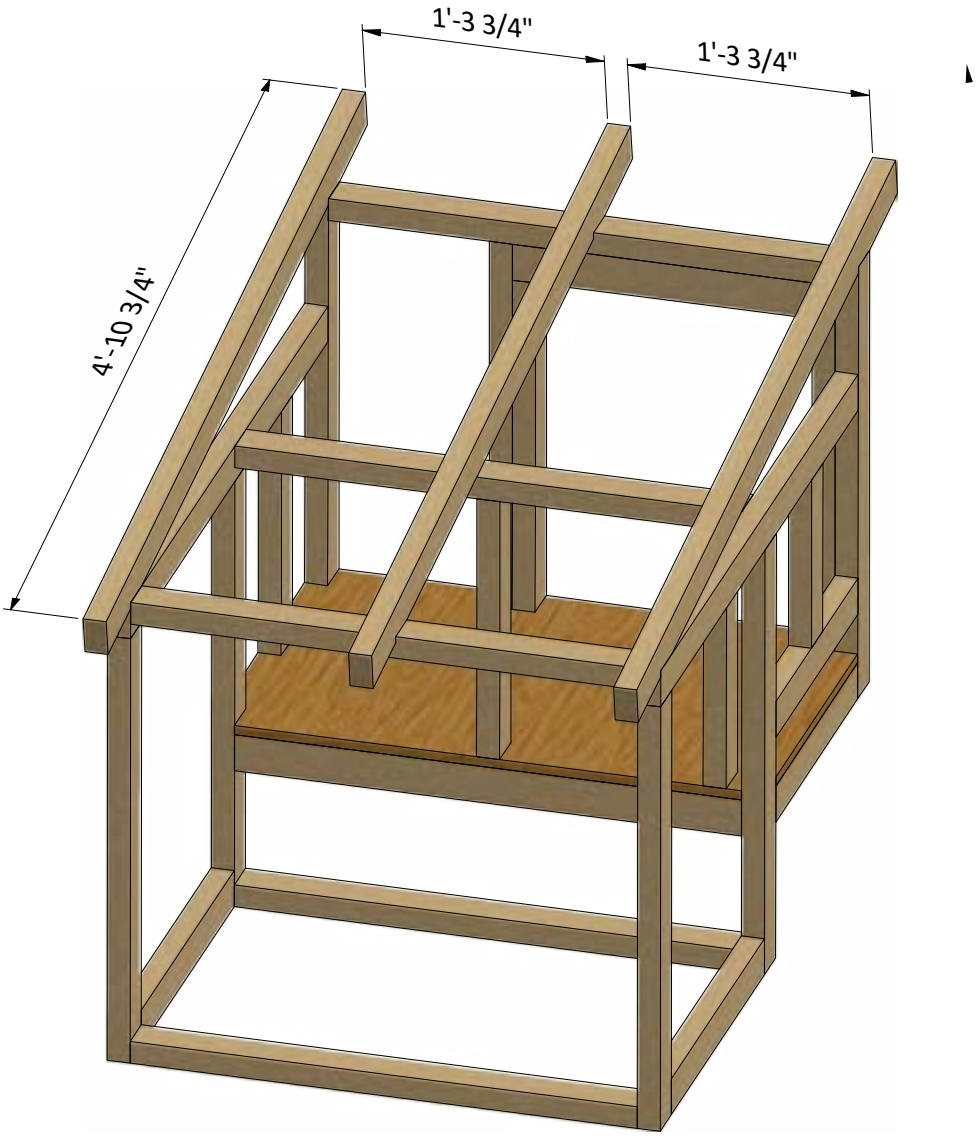


STEP 6

Assemble the Roof Frame

6.1 Using 1 1/2" x 2 1/2" pressure-treated lumber, cut three rafters 4'-10 3/4" long according to the dimensions in drawing below. Cut the recesses in each beam for splicing connection with wall frames.

6.2 Connect the beams with a top frame with the help of 5" wood screws.



STEP 7

Assemble and Install Front Door

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

7.2 Prepare two 5/8" plywood sheets with dimensions 1'-5 1/2" x 1'-10 1/2" for the inner and outer door sheathing according to the drawing.

7.3 Cut sheets of 1" foam board insulation for the inner door sheathing.
You will need to cut four 1'-2 1/2" x 1'-5" sheets.

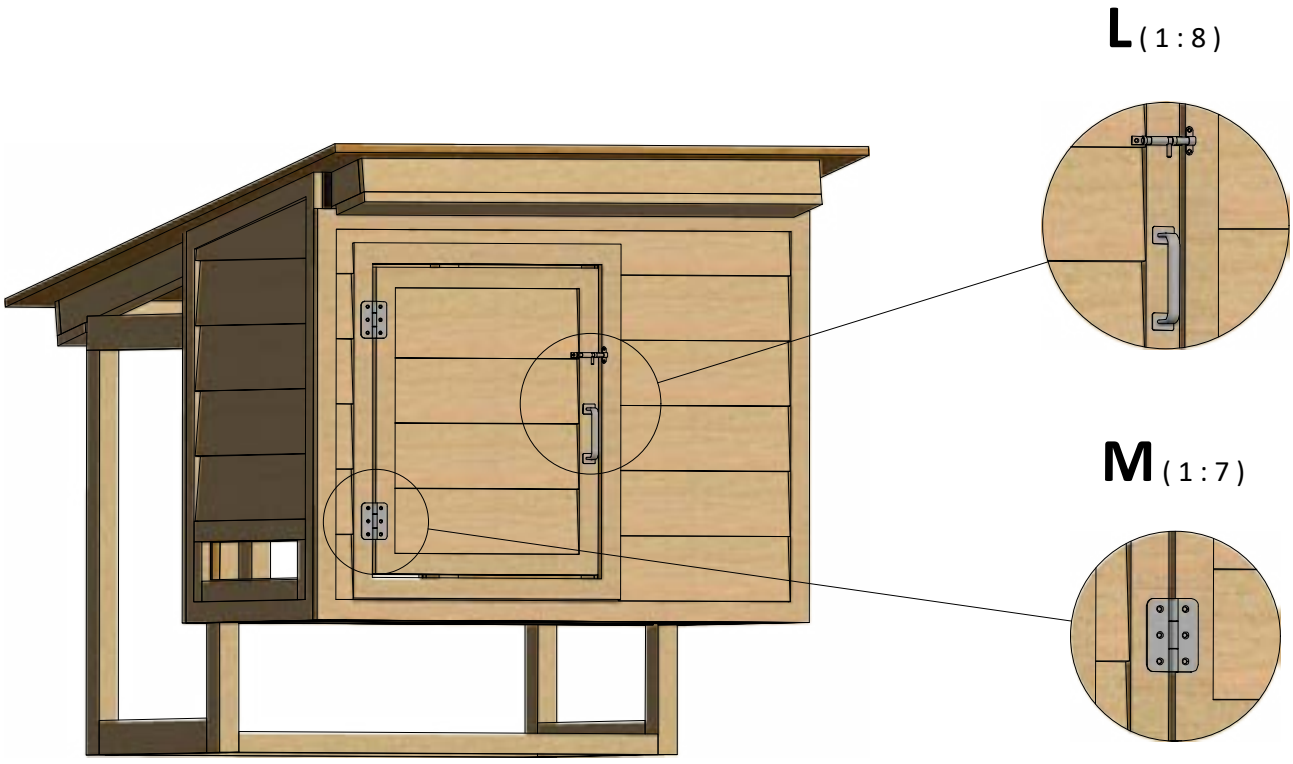
7.4 Use 3/4" x 1 1/2" pressure-treated lumber for the door trim and fasten with 1" wood screws.
You will need two boards cut to 1'-2 1/2" and two boards cut to 1'-10 1/2".

7.5 Using 1/4" x 3/4" pressure-treated lumber, cut and install a starter course 1'-2 1/2" long using node E on page 28 as a reference.

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

7.7 Assemble siding shields with 2" galvanized nails.

7.8 Install two 2" door hinges using 4x1" wood screws.
Finish the doors installation by attaching one 6" door handle and 3" surface bolt (see nodes **L, M**).



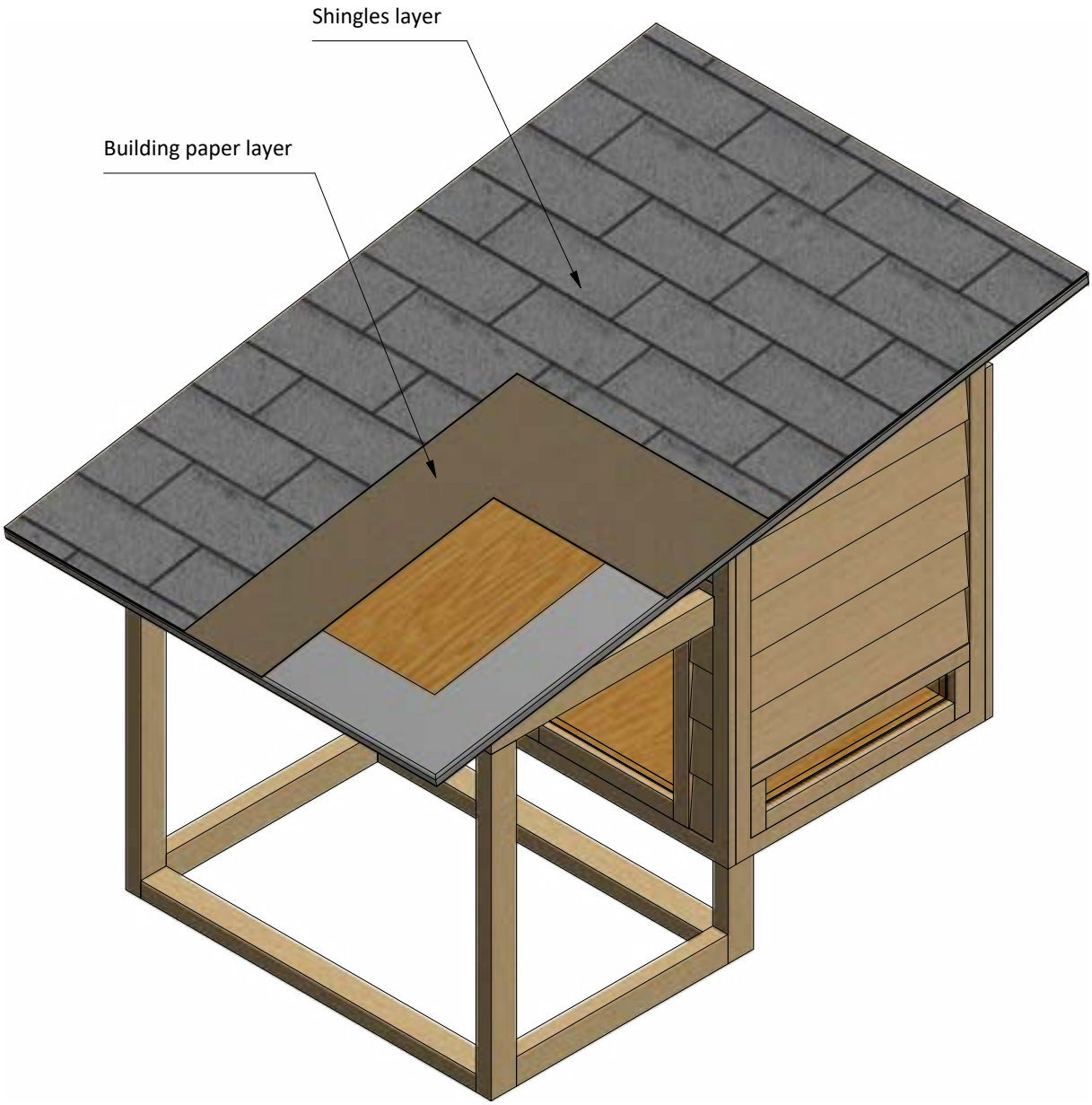
STEP 8

Coop's Roof Sheathing Installation

8.1 You will need 20 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.



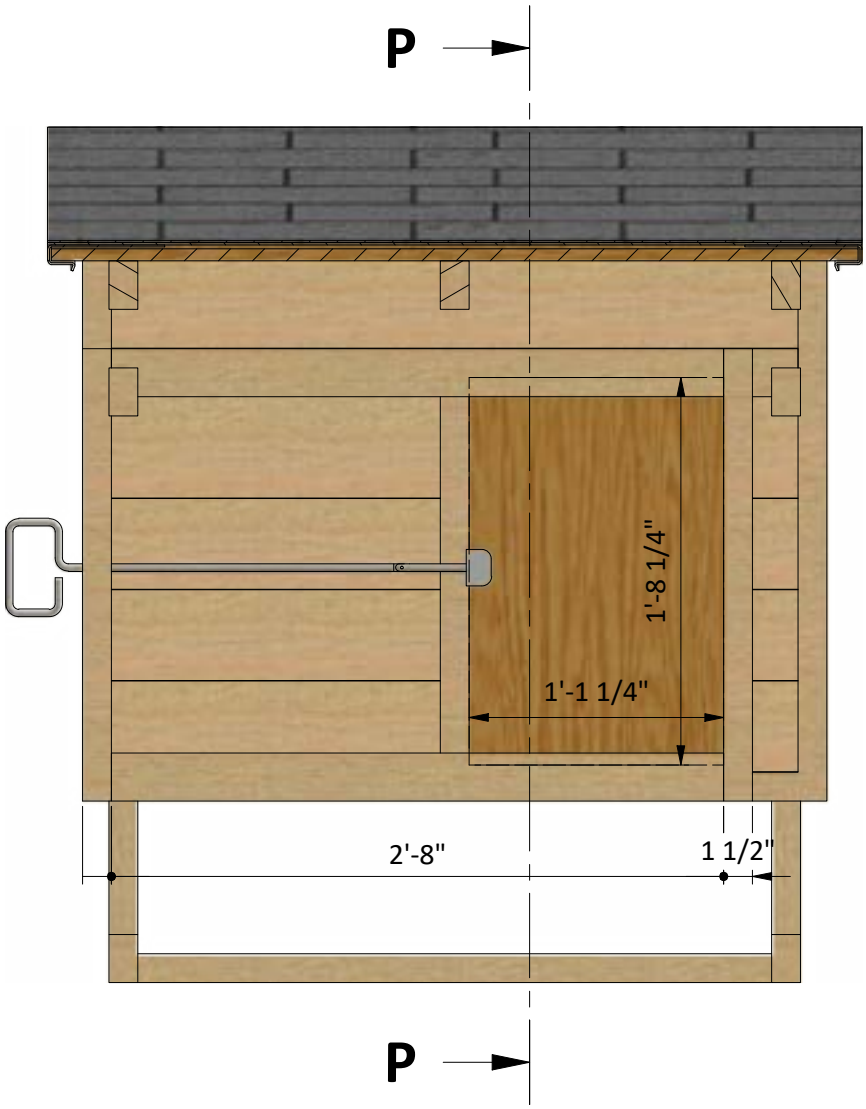
STEP 9

Assemble the Chicken Door

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

9.2 Use 1 1/2" x 1 1/2" and 1 1/2" x 2 1/2" pressure-treated lumber to cut and install the chicken door trims. Use the illustration below as a reference. You will need two boards cut to 2'-8" that will be horizontal girts and two boards cut to 1'-11 1/2" that will be vertical girts. Cut the recesses in the horizontal girts to allow the chicken door to slide. Cut the recess in left vertical girt to allow slider movement.

9.3 Install chicken door slider lever to the chicken door .



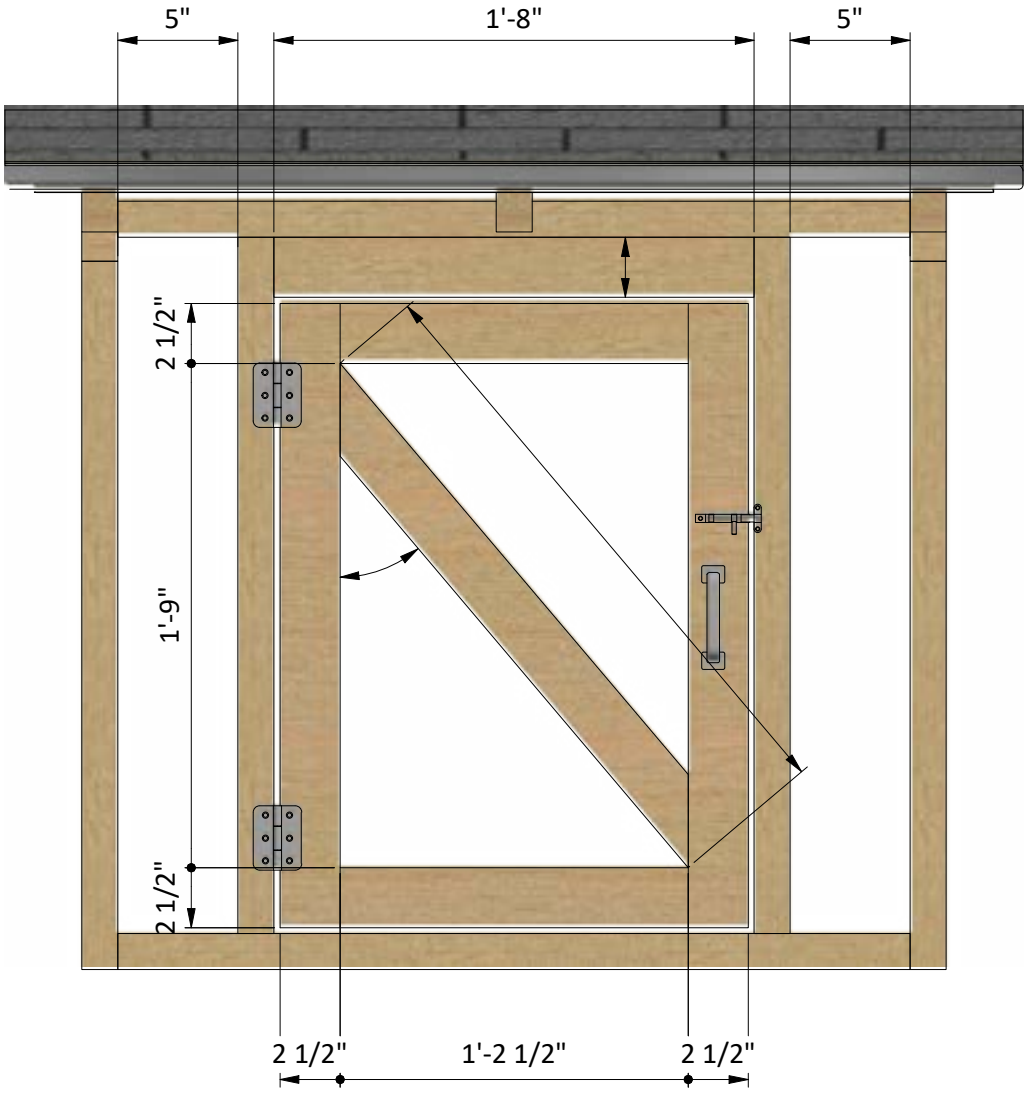
STEP 10

Assemble and Install Aviary's Door and Walls

10.1 Using 3/4" x 2 1/2" and 1 1/2" x 2 1/2" pressure-treated lumber, construct aviary front and side walls inner frame using the drawing below as a reference. You will need two boards cut to 2'-5" that will be studs, two boards cut to 1'-8" that will be door header and two boards cut to 2'-9 1/4" that will be cross braces.

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

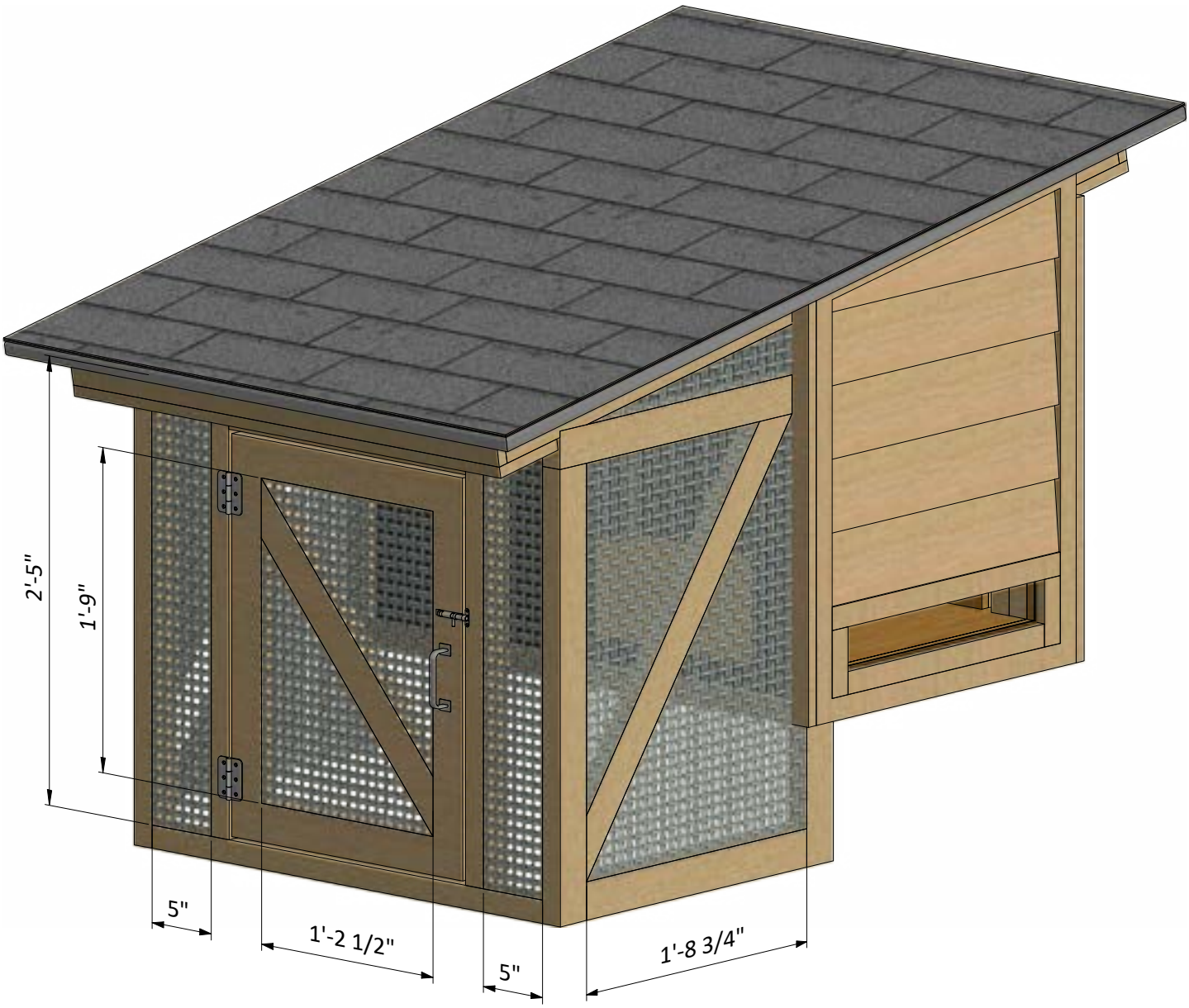
10.3 Install two 2" door hinges using 1" wood screws.
Finish the door installation by attaching 6" door pull and 3" surface bolt.



STEP 11

Mesh Wall Installation

11.1 Cover the walls with 1/4" wire mesh with the help of industrial stapler. You will need 14 sq ft.

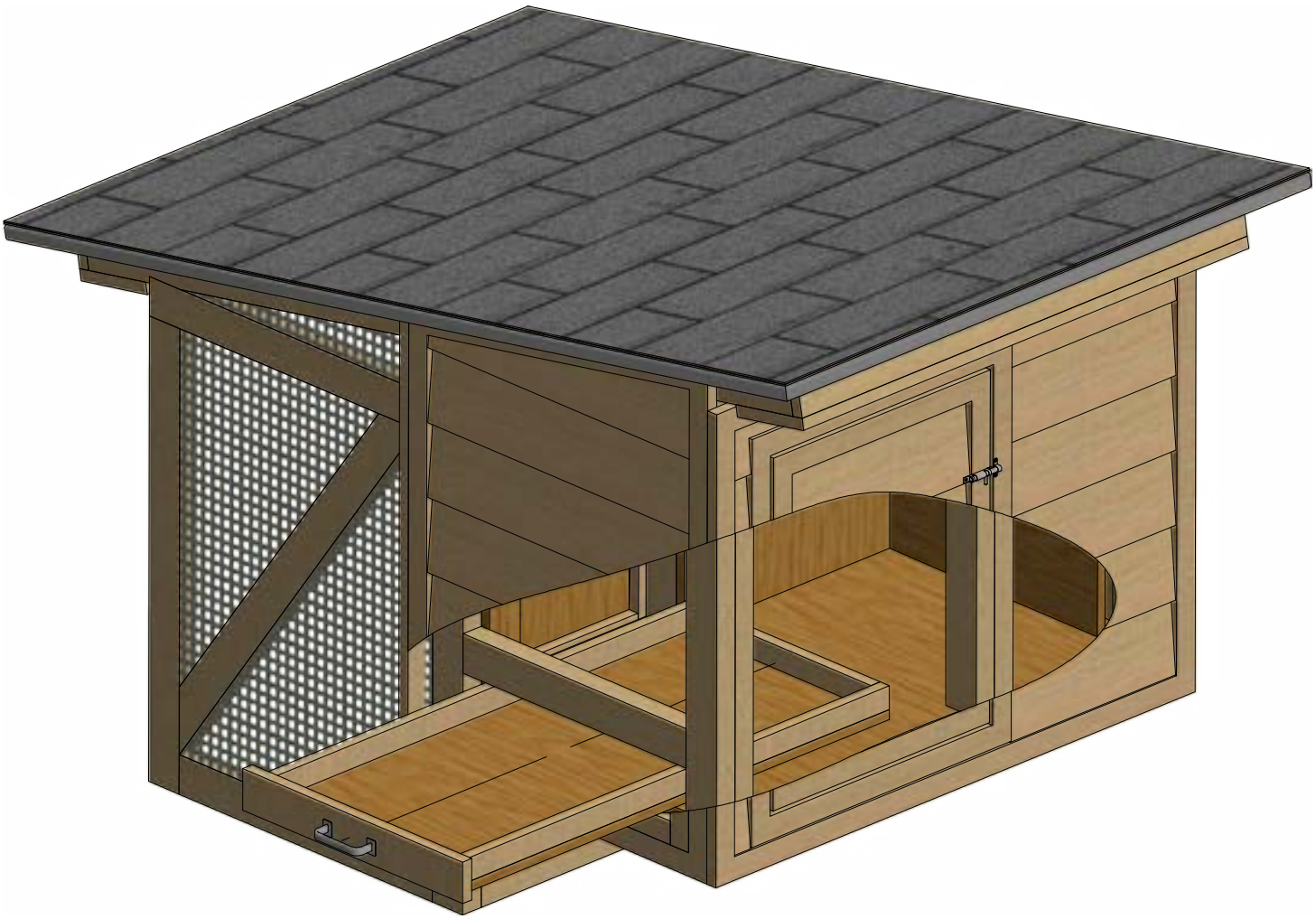


STEP 12

Assemble The Litter Tray

12.1 Assemble the litter tray using 3/4" x 1 1/2" and 3/4" x 2 1/2" pressure-treated material and 5/8" plywood. You will need two boards cut to 2'-10 1/2", one board cut to 1'-3" and one board cut to 1'-6". Assemble the frame and put one 1'-4 1/2" x 2'-10 1/2" sheet of plywood at the bottom. Finish the tray installation by attaching one 6" door handle.

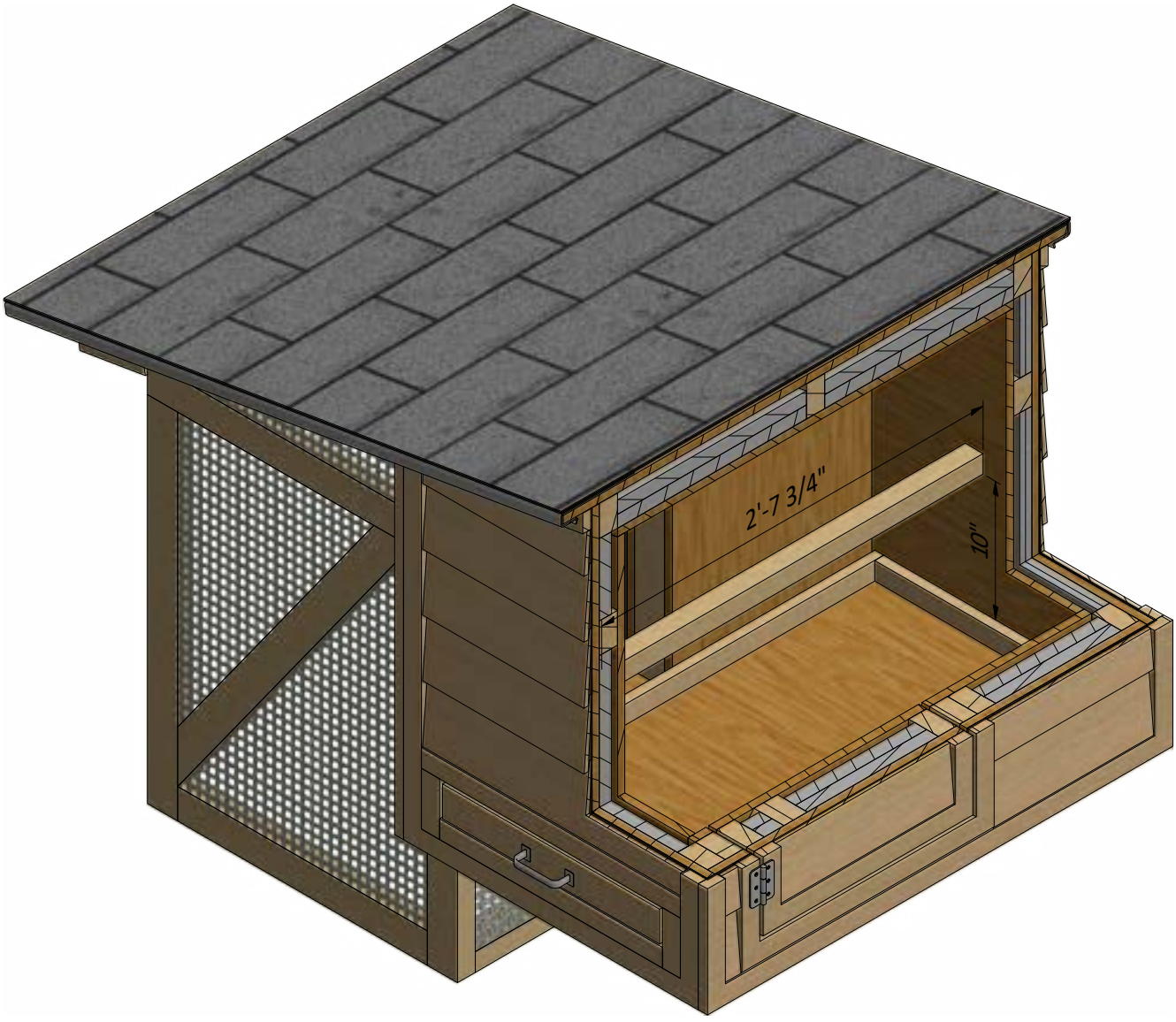
12.2 Connect the beams and plywood with 2" wood screws.



STEP 13

Assemble The Roost

13.1 Using 1 1/2" x 1 1/2" pressure-treated material cut one board to 2'-7 3/4". Install the beam between inner walls.

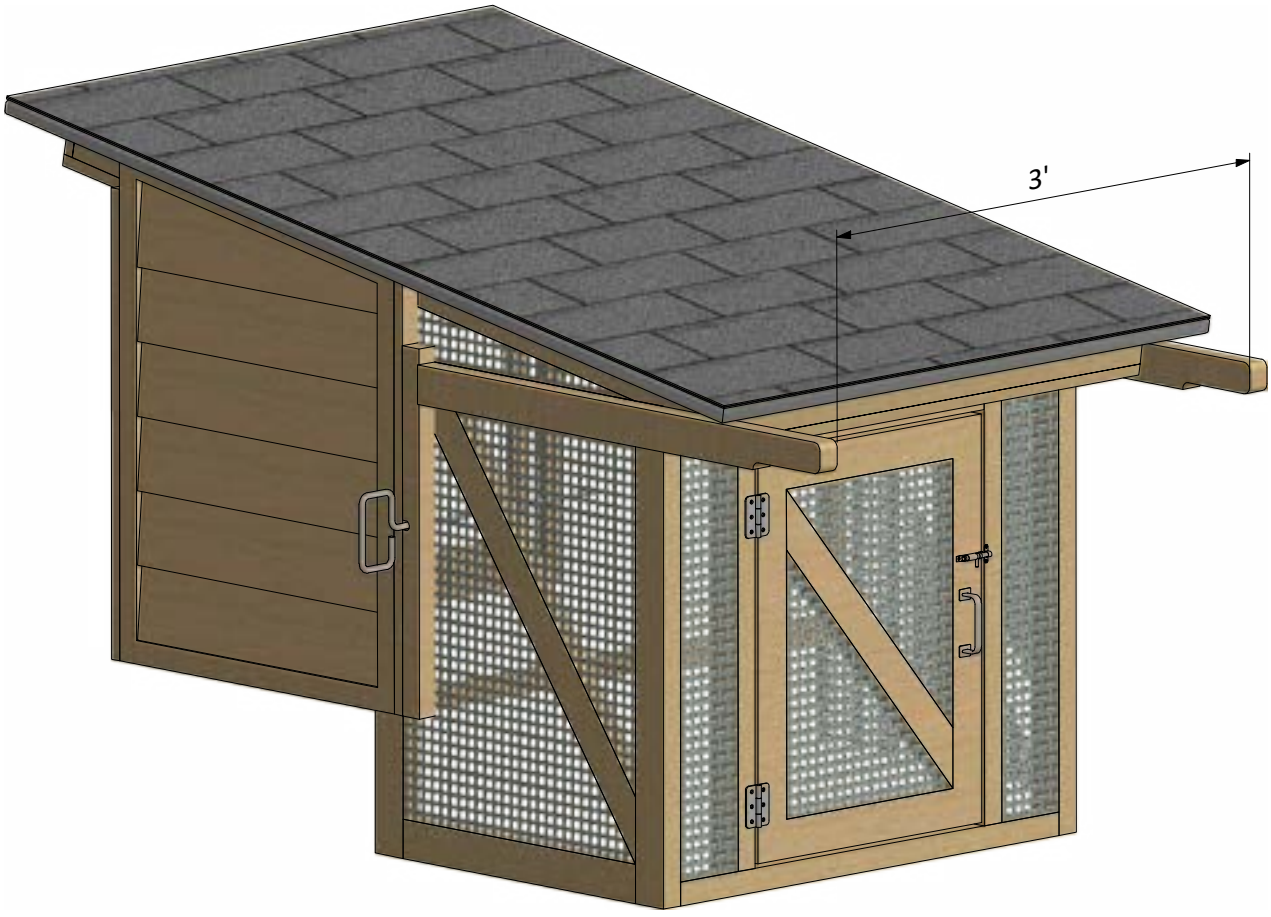


STEP 14

Assemble The Chicken Handle

14.1 Using 1 1/2" x 2 1/2" pressure-treated lumber, cut two handle bars 3' long according to the dimensions in drawing below. Provide cuttings for the grips.

14.2 Connect the beams to the main frame with 3" wood screws.



STEP 15

Installation of the Wheels

15.1 Install two 8" fixed heavy-duty wheels to the front wall; they should touch the ground when the coop is standing still. Using 1 1/2" x 2 1/2" pressure-treated lumber, cut two 4" beams for wheel supports for each wheel and fix to the floor frame.

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	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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