



## **6'x8' Chicken Coop Plan**

Up to 24 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.

# 6'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

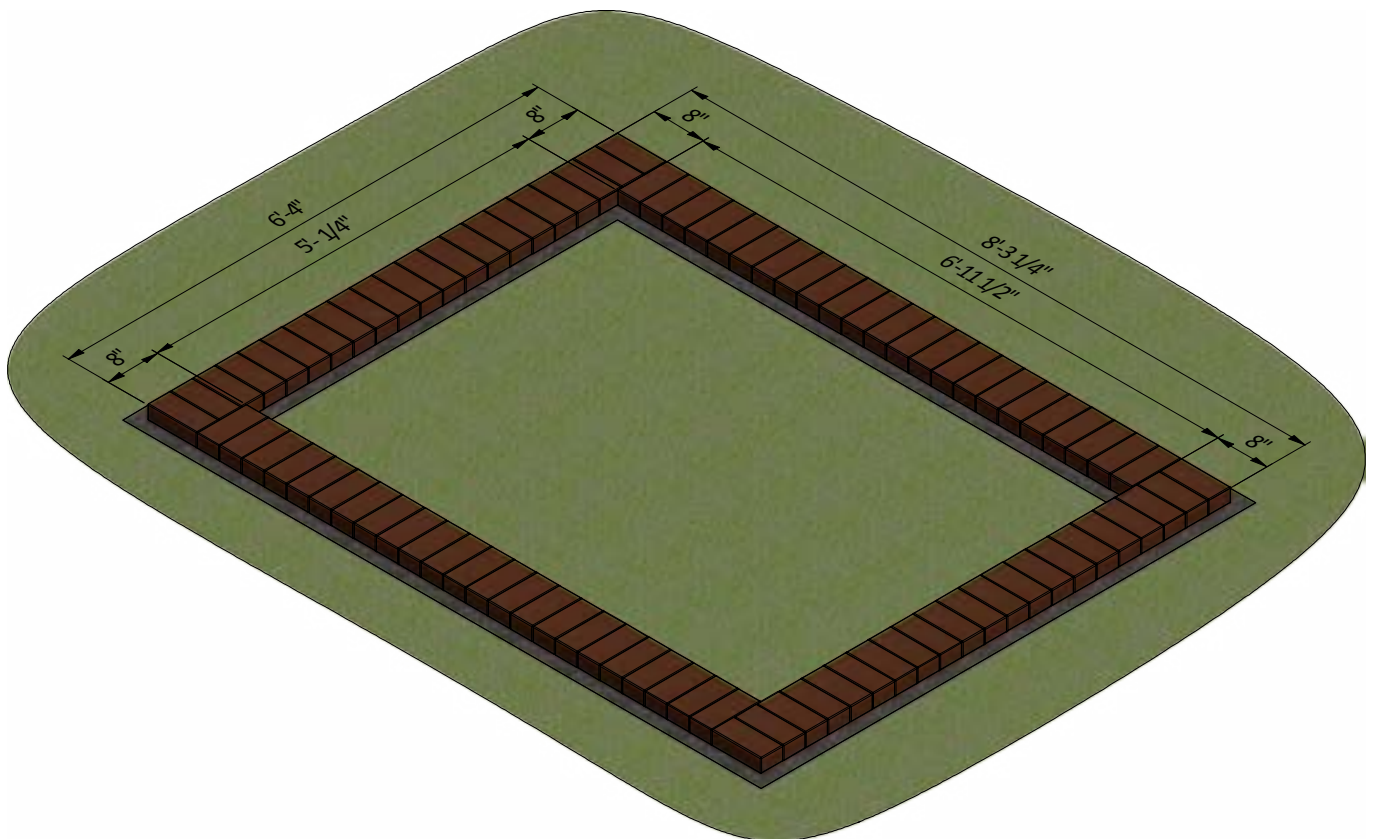
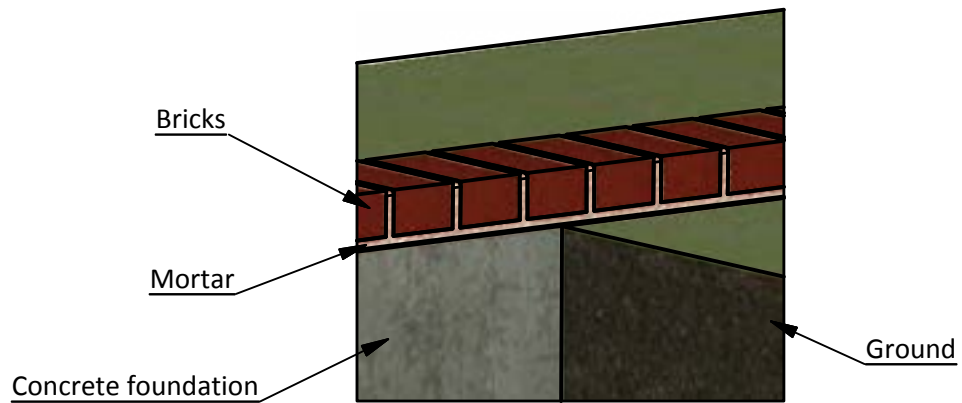
- Corner braces
- Galvanized nails
- Wood screws

## STEP 1

### Foundation Preparation

**1.1** Fill the trenches to ground level with concrete and let cure, or harden. Since curing times vary between brands, read the packaging for recommended curing times.

**1.2** Once the concrete has cured, use standard-sized bricks and lay them across the foundation. You will need roughly 88 bricks for this step.



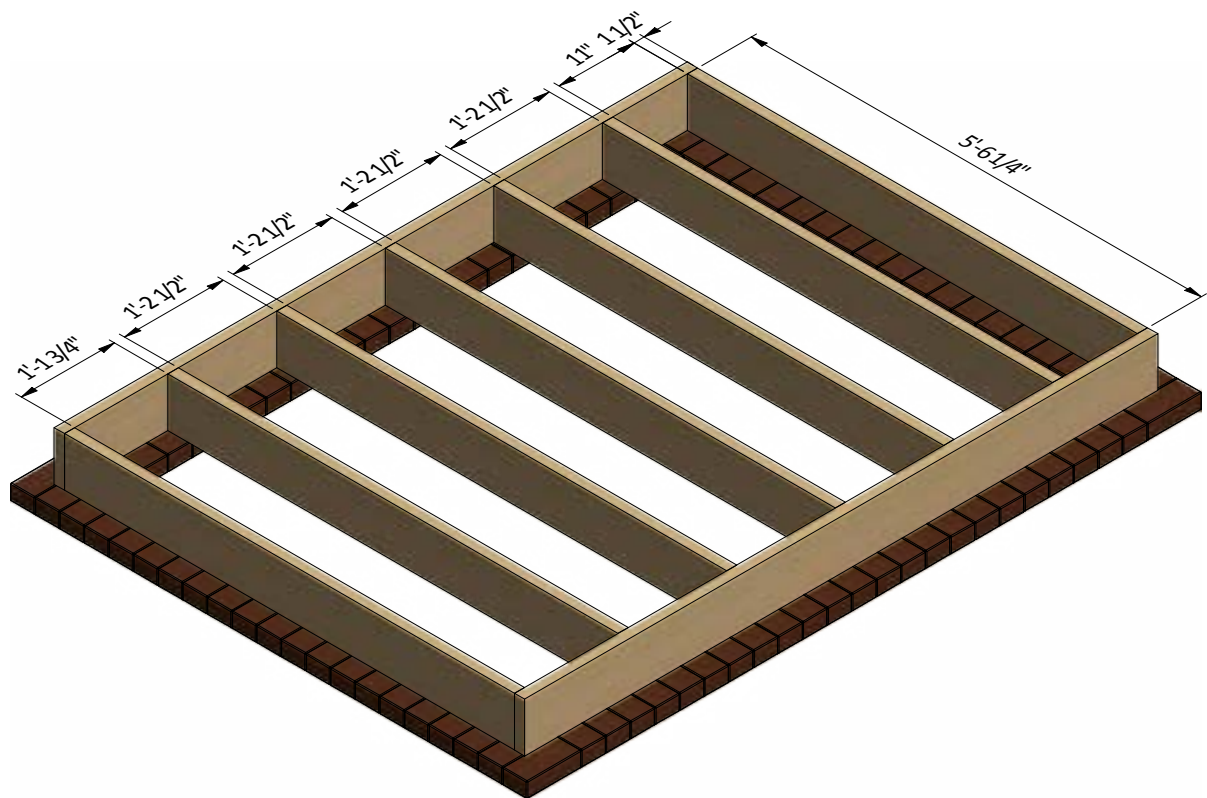
## STEP 2

### Framing the Coop's Floor

**2.1** Assemble the frame using 1 1/2" x 7 1/4" pressure-treated lumber. You will need five boards cut to 5'-6 1/4" that will be the joist.

**2.2** Secure the beams with 8x3" wood screws.

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





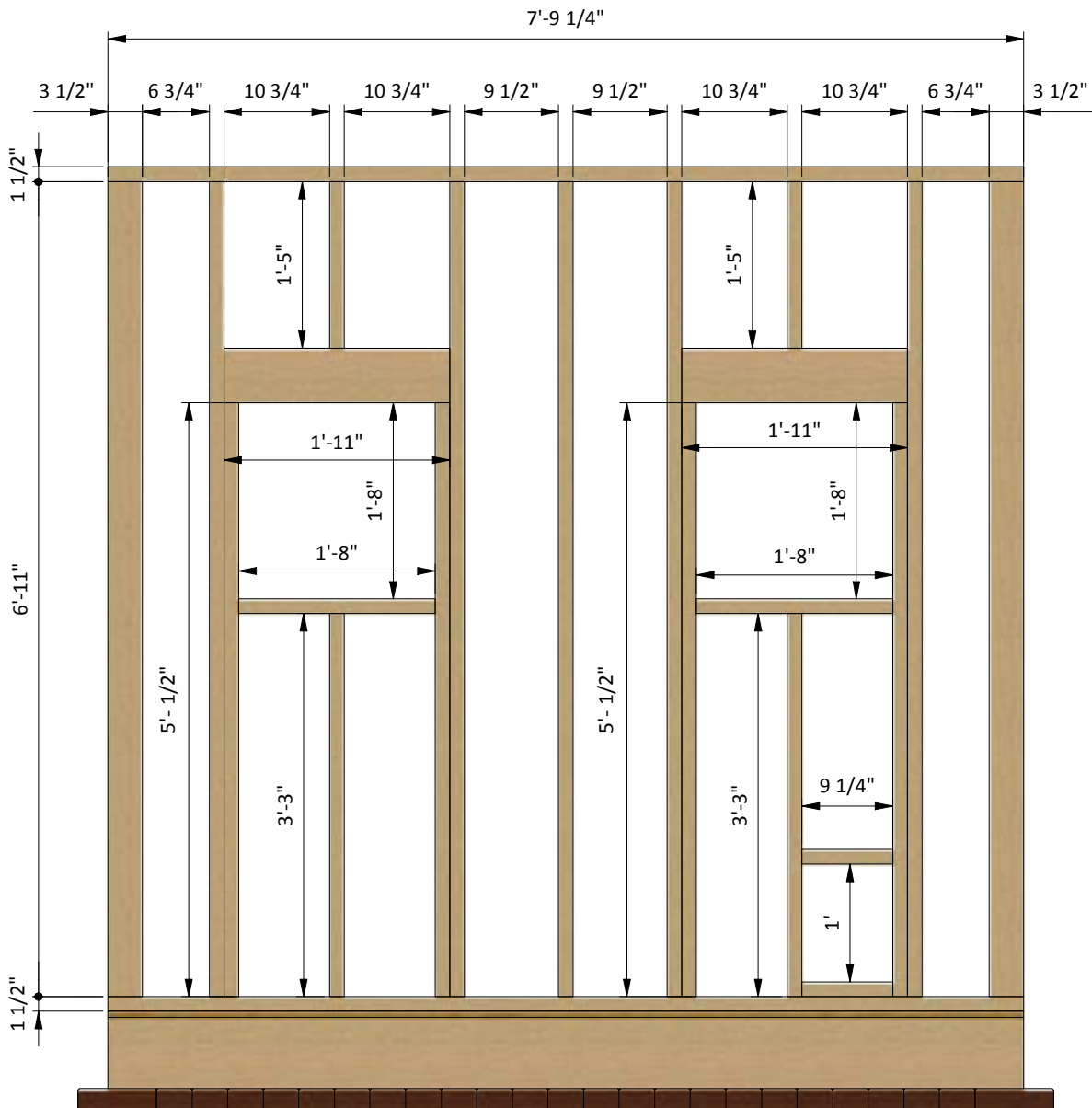
## STEP 4

### Assemble Left Side Wall Frame

**4.1** Using 1 1/2" x 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 seven 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 7'-9 1/4" that will be top and bottom beams, four boards cut to 1'-11" that will be the window headers, two board cut to 1'-8" that will be rough sills, two board cut to 1'-5" that will be cripple studs and two boards cut to 9 1/4" that will be chicken door girts.

**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°.



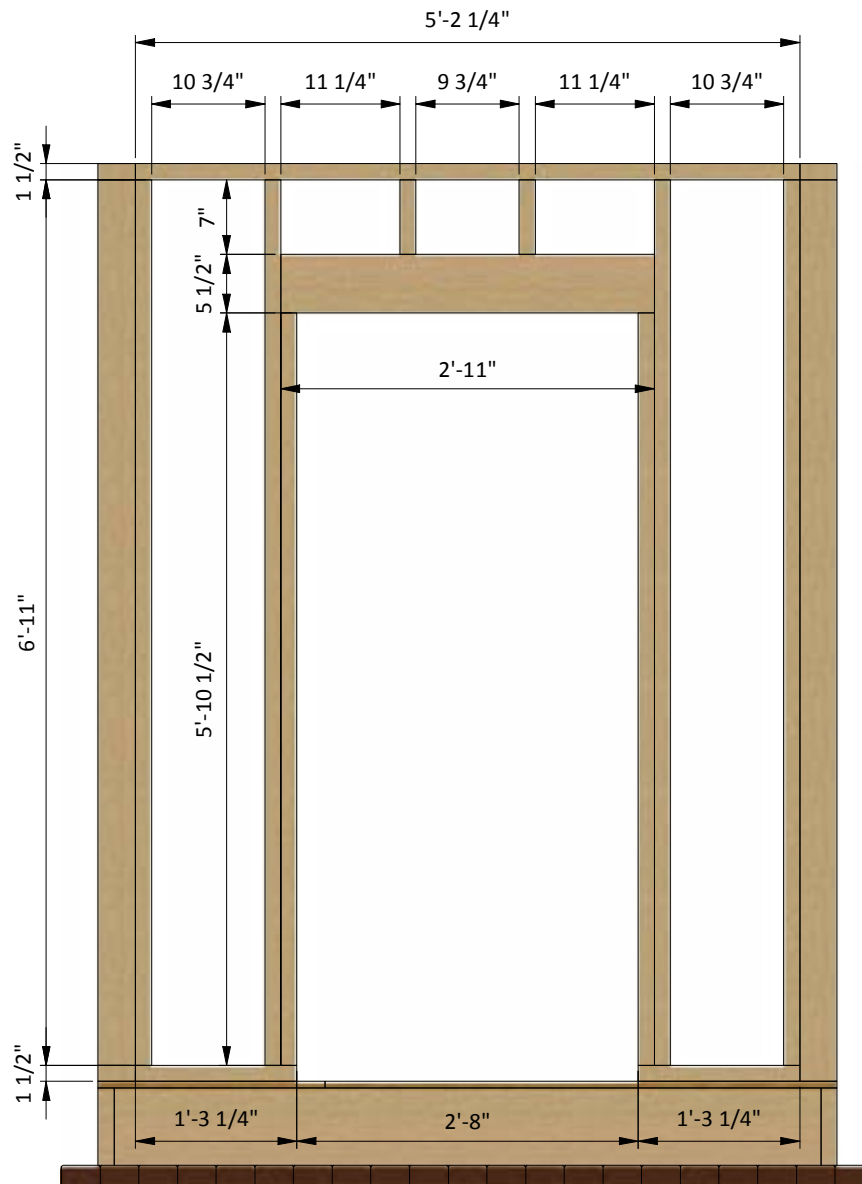
## STEP 5

### Assemble Front Wall Frame

**5.1** 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 four boards cut to 6'-11" and two boards cut to 5'-10 1/2" that will be studs, two boards cut to 1'-3 1/4" that will be the bottom beams, one board cut to 5'-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.

**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°.





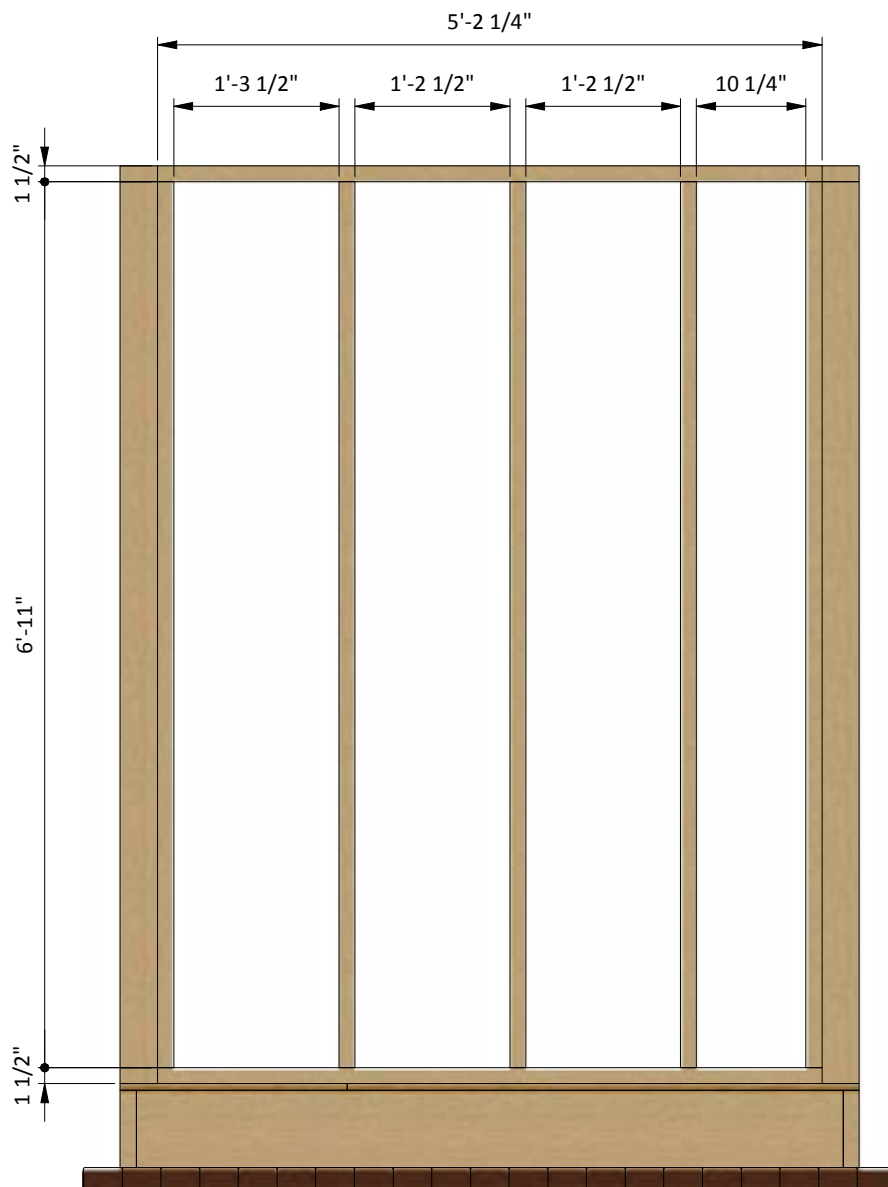
## STEP 6

### Assemble Back Wall Frame

**6.1** 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 five boards cut to 6'-11" that will be the studs and two boards cut to 5'-2 1/4" that will be the top and bottom beams.

**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

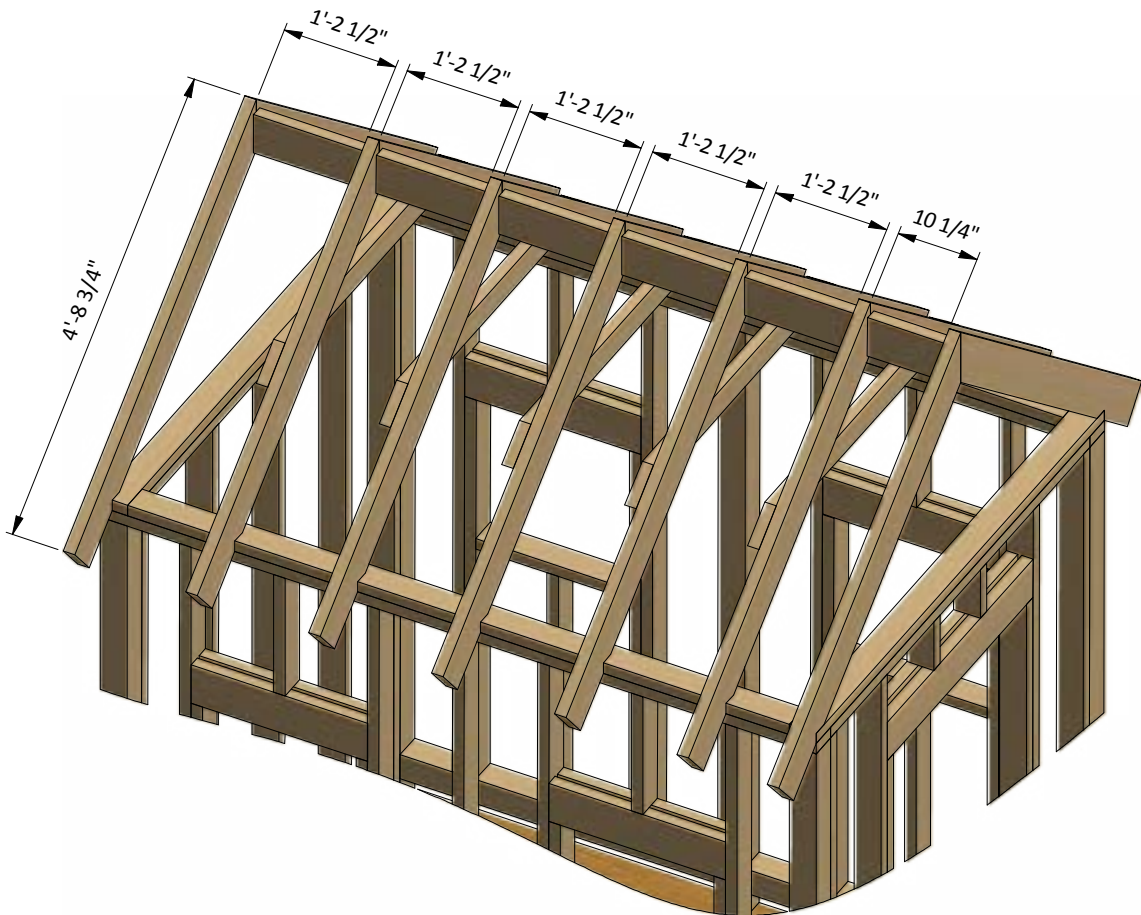
### Assemble the Roof Frame

**7.1** Using 1 1/2" x 5 1/2" pressure-treated lumber, cut fourteen rafters 4'-8 3/4" long according to the dimensions in drawings below.

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

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

**7.4** Connect the beams with 3" and 5" wood screws.



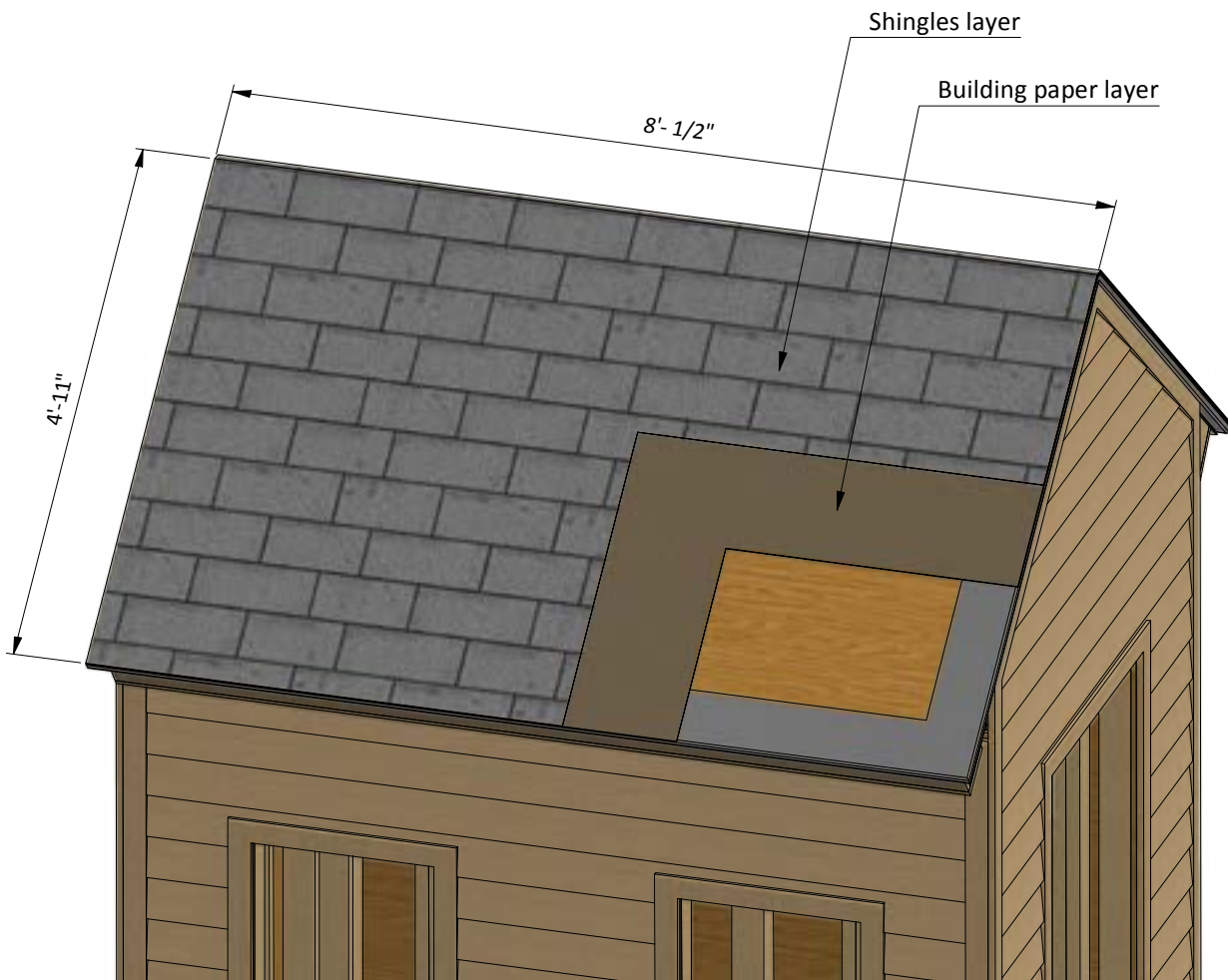
## STEP 8

### Coop's Roof Sheathing Installation

8.1 You will need 80 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 Door

**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.

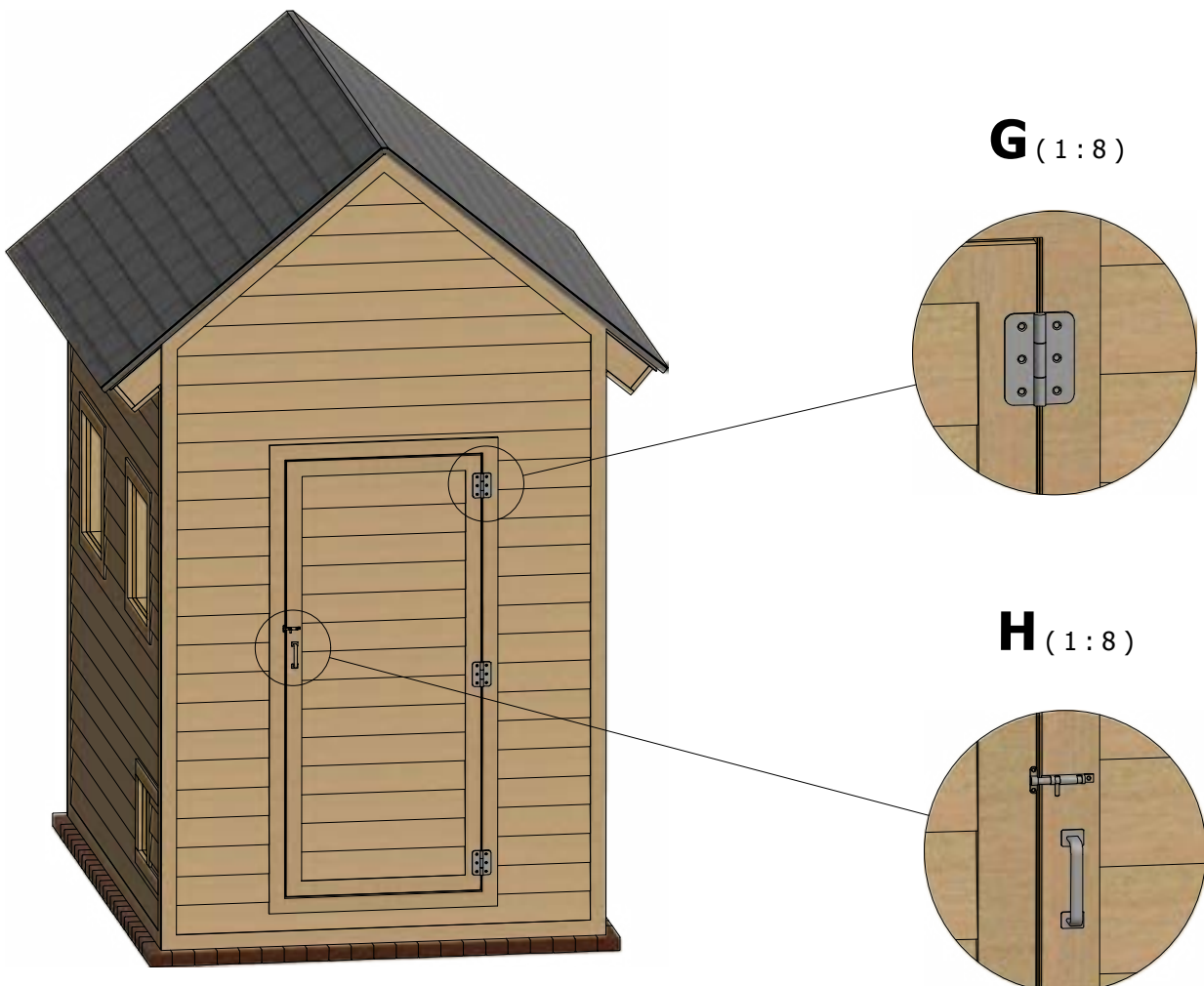
You will need two boards cut to 2'-2 1/2" and two boards cut to 5'-11 1/2".

**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 31 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**).



## 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.



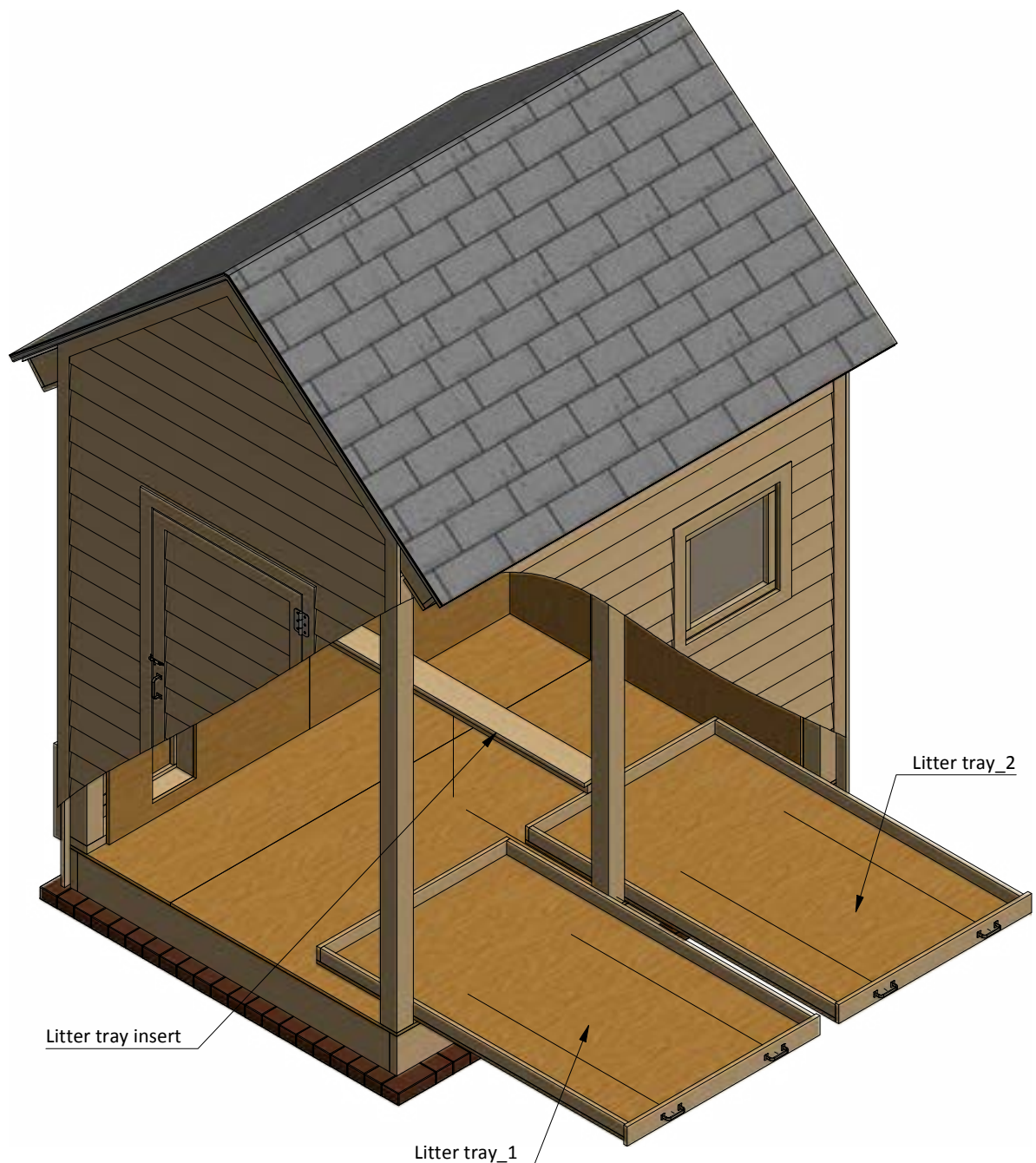
## STEP 11

### Assemble The Litter Tray

You will need to assemble two trays.

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

**11.2** Using  $1\ 1/2"$  x  $1\ 1/2"$  and  $3/4"$  x  $5\ 1/2"$  pressure-treated lumber, assemble the litter tray insert. You will need three boards cut to  $5'-1"$ . Assemble the insert according to the drawings below.



## STEP 12

### Assemble The Nesting Boxes

You will need to assemble two boxes -one for left wall and one for right wall.

**12.1** Cut  $\frac{5}{8}$ " plywood for the box according to the drawing.

You will need to cut two 1' x 4' sheets for the top and bottom planes, one 1'-4" x 4' sheet for the back wall and five 1' x 1'- $2\frac{3}{4}$ " sheets for the side and inner partitions.

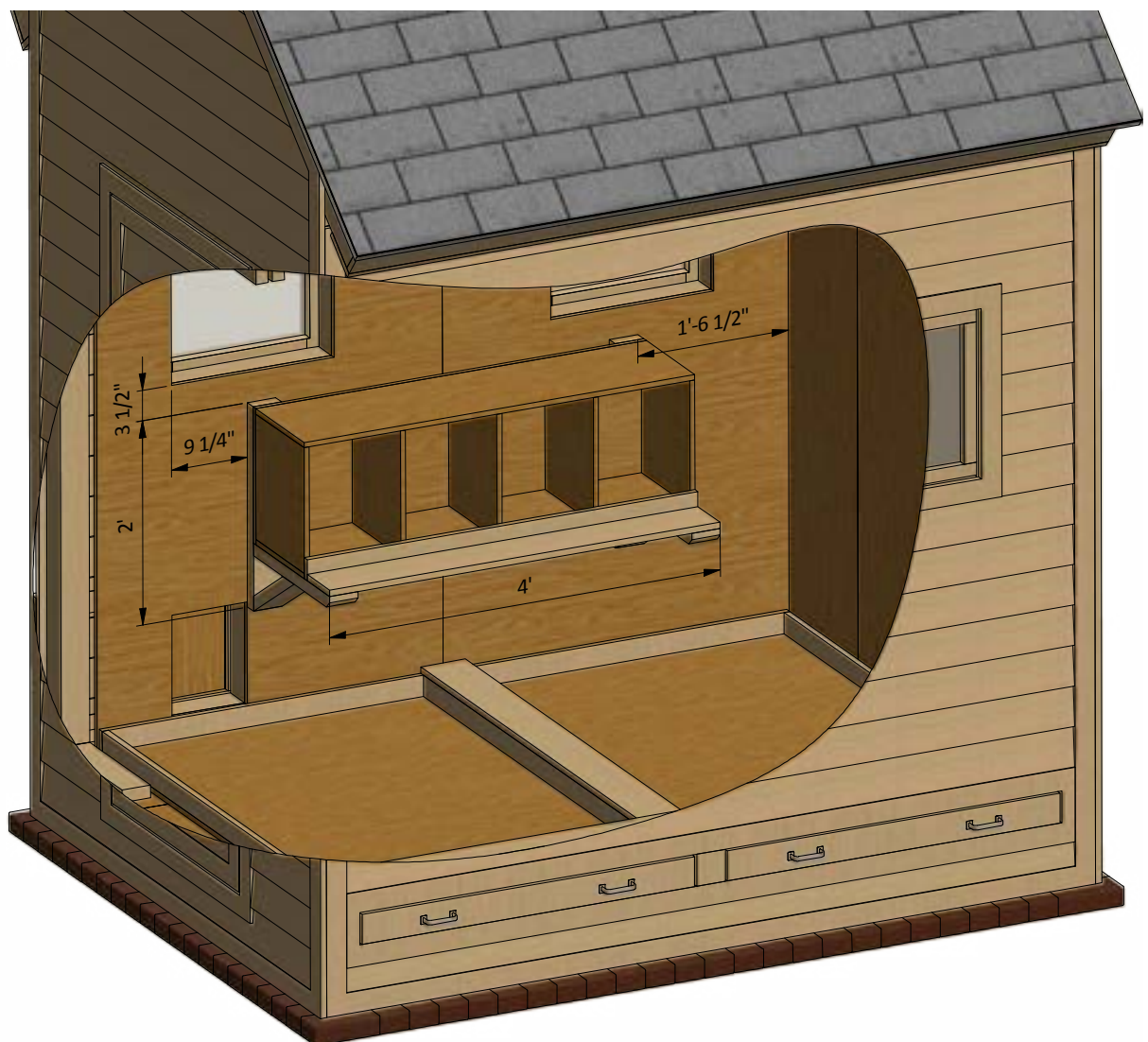
**12.2** Using 1  $\frac{1}{2}$ " x 3  $\frac{1}{2}$ " pressure-treated lumber, assemble two hangers.

You will need two boards cut to 2', two boards cut to 1' and two boards cut to 1'-7".

**12.3** Fix the hangers to the wall with the help of 5" wood screws according to the drawing below. Make sure there is a stud under the plywood in the installation place.

**12.4** Put the box on the hangers and fix it with 1" wood screws.

**12.5** Using  $\frac{3}{4}$ " x 2  $\frac{1}{2}$ " and  $\frac{3}{4}$ " x 5  $\frac{1}{2}$ " pressure-treated lumber, provide the front girt and roost. You will need two boards cut to 4'.



## STEP 13

### Assemble The Roosts

You will need to assemble two roosts.

**13.1** 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 four boards cut to 5'-1" and four boards cut to 2'-6 1/2".

**13.2** Connect the beams with 2" wood screws.

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



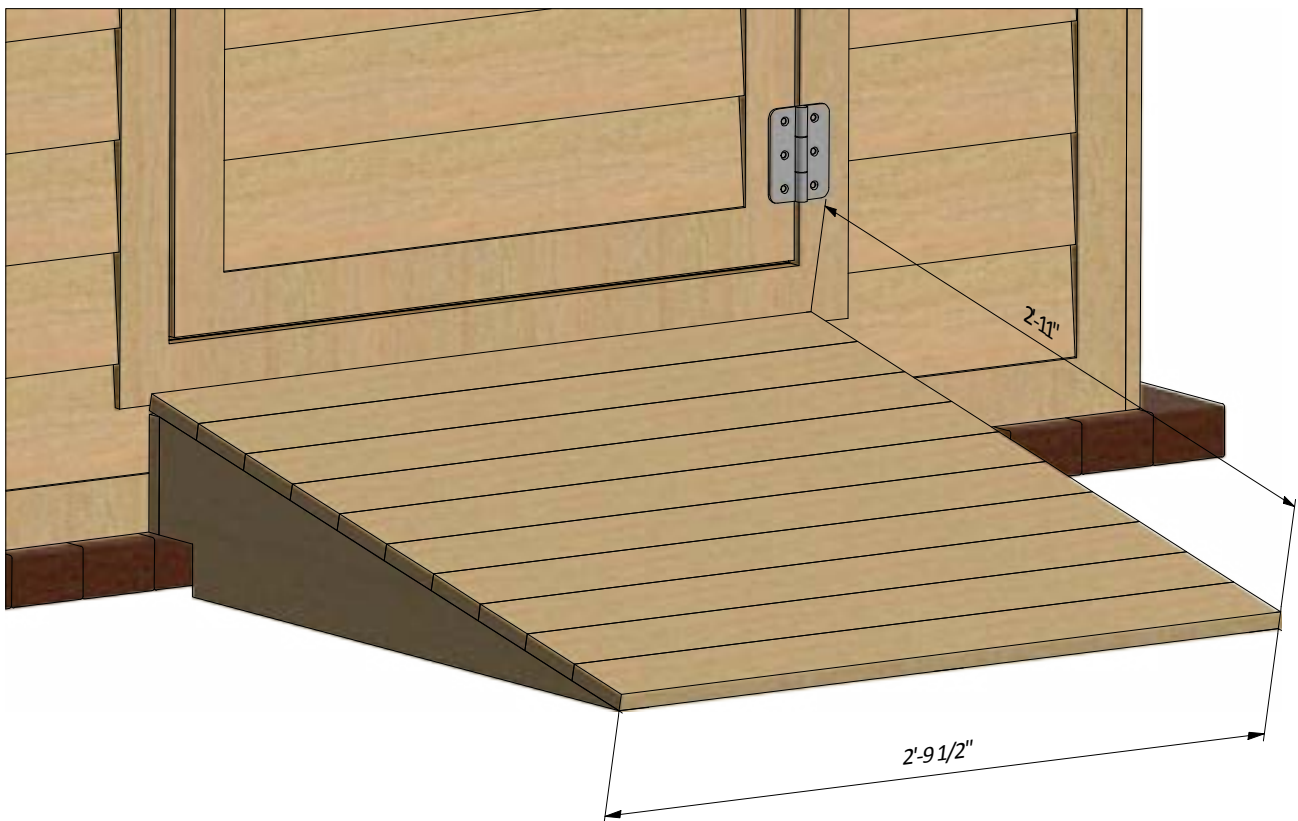


## STEP 14

### Assemble and Install Door Ramp

**14.1** 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.

**14.2** Assemble siding shields with 2" and 3" galvanized nails.



## STEP 15

### 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.



# 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.



For more great **HOW-TO** plans please visit: <https://craft.camp>

## **Copyright**

The text and illustrations that appear here are the exclusive property of craft.camp and are protected by federal copyright laws. The duplication, sale or distribution of any portion of these plans without prior written consent from the original designer will be subject to the appropriate penalties for copyright infringement. Sharing this plan on the web is only permitted with an indicated original source: <https://craft.camp>