



## 6'x8' Chicken Coop Plan

Up to 24 chickens



## Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	20	62
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**

# 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

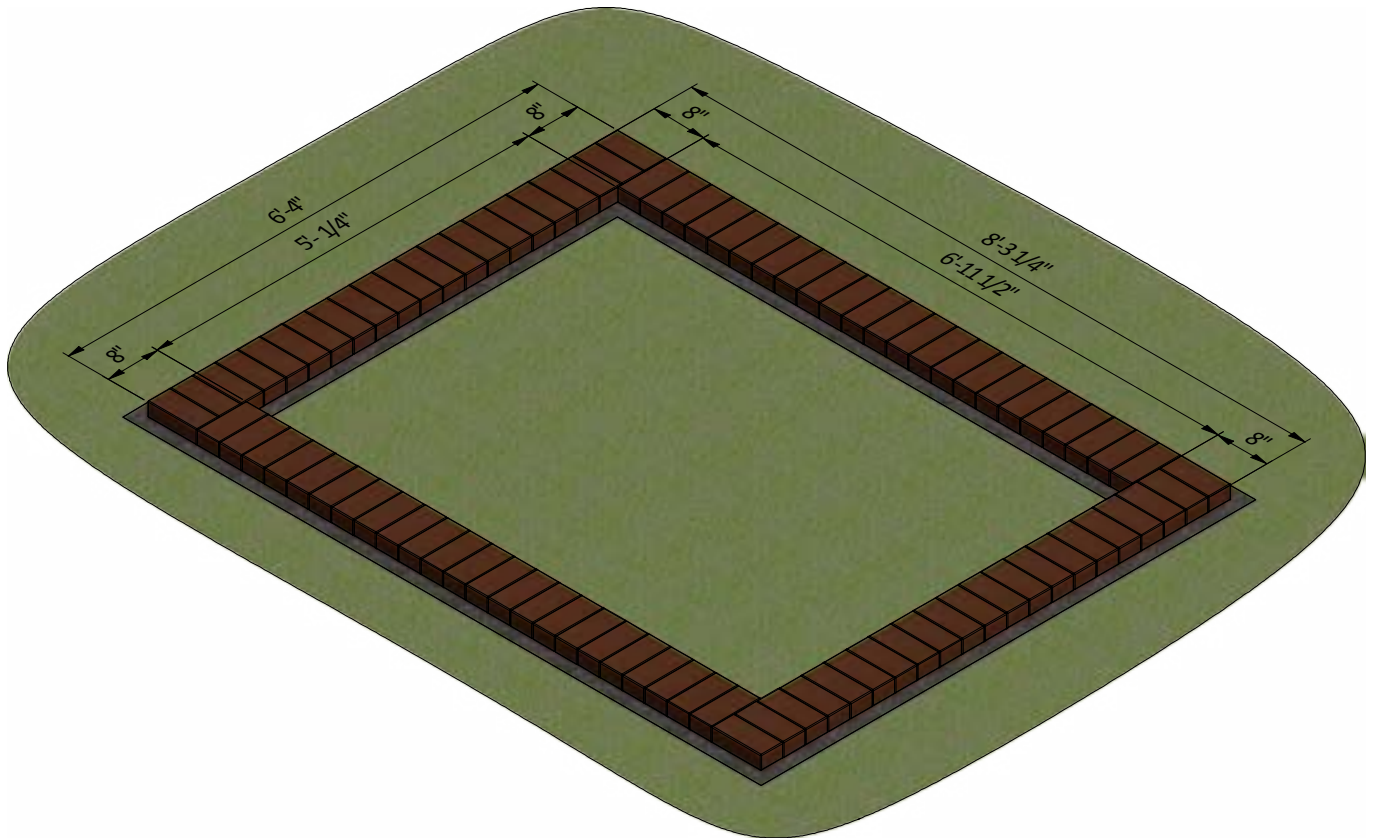
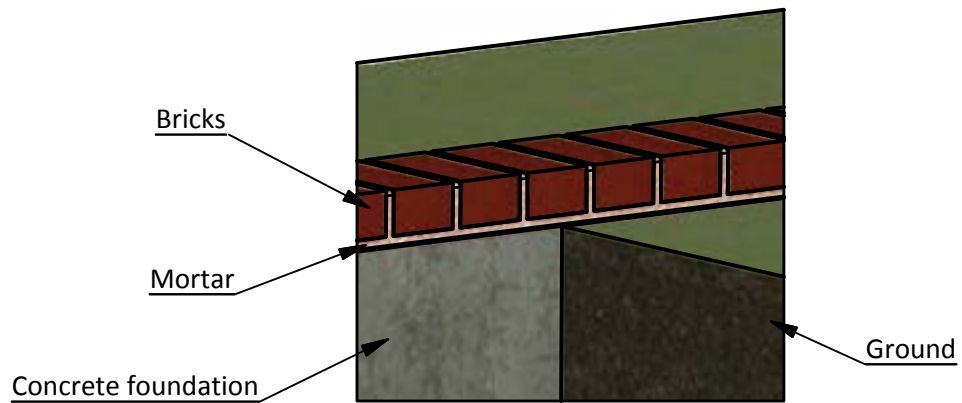
- Corner braces
- Galvanized nails
- Wood screws

## 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.



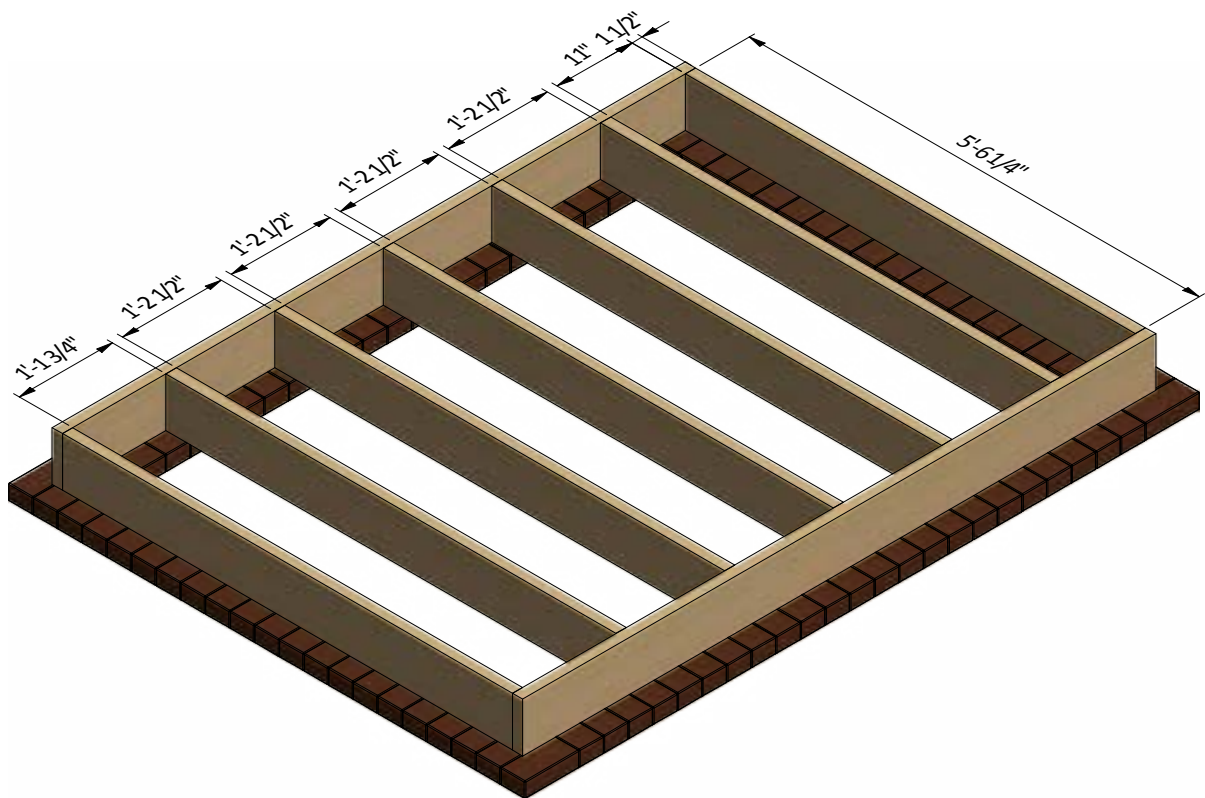
## STEP 2

### 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°.



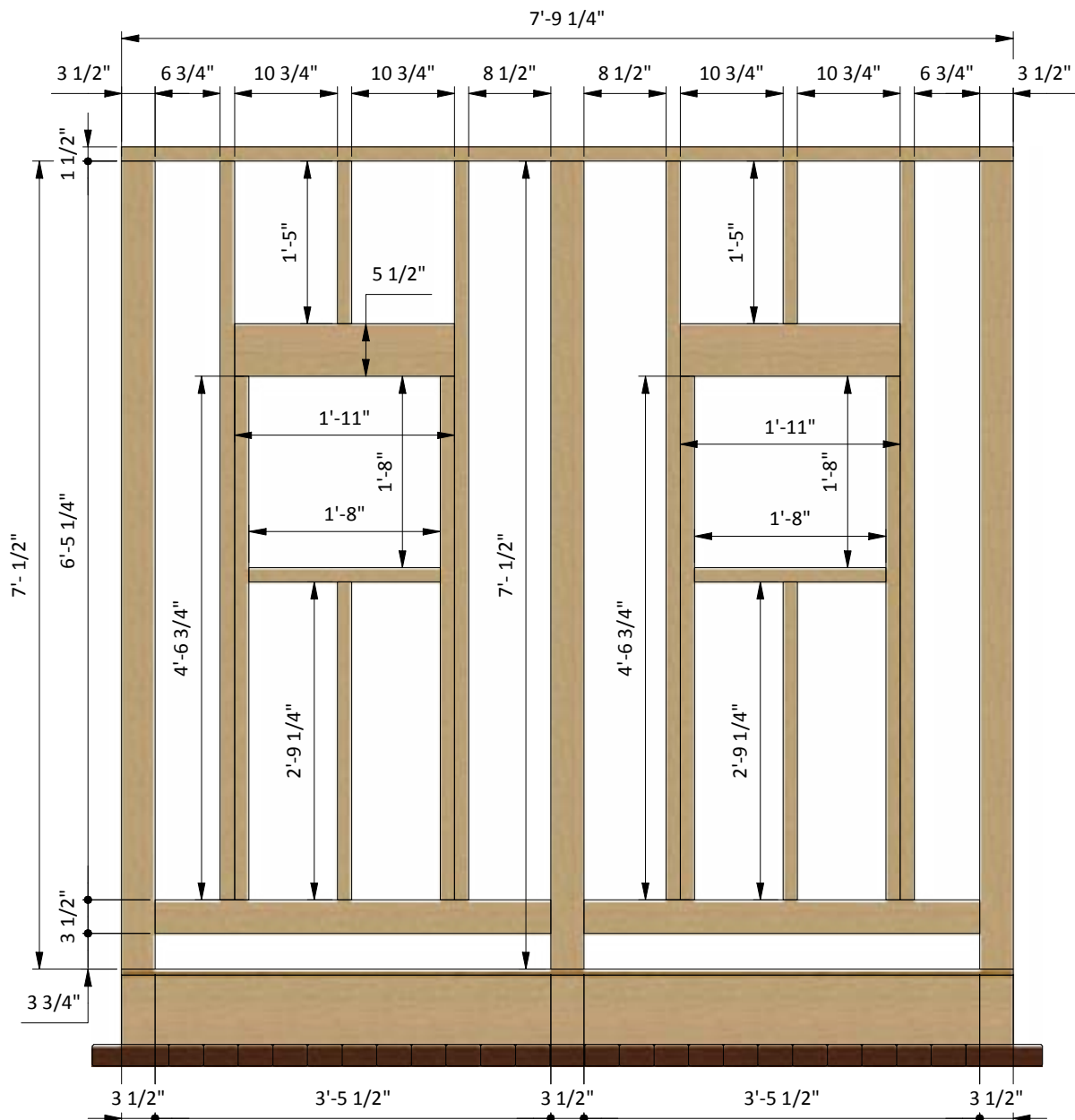
### STEP 3

## Assemble Right 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 right side wall frame using the drawing below as a reference. You will need three boards cut to 7'-1 1/2", four boards cut to 6'-5 1/4", four boards cut to 4'-6 3/4" and two boards cut to 2'-9 1/4" that will be studs, two boards cut to 3'-5 1/2" that will be bottom beams, one board cut to 7'-9 1/4" that will be top beam, 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.

**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°.



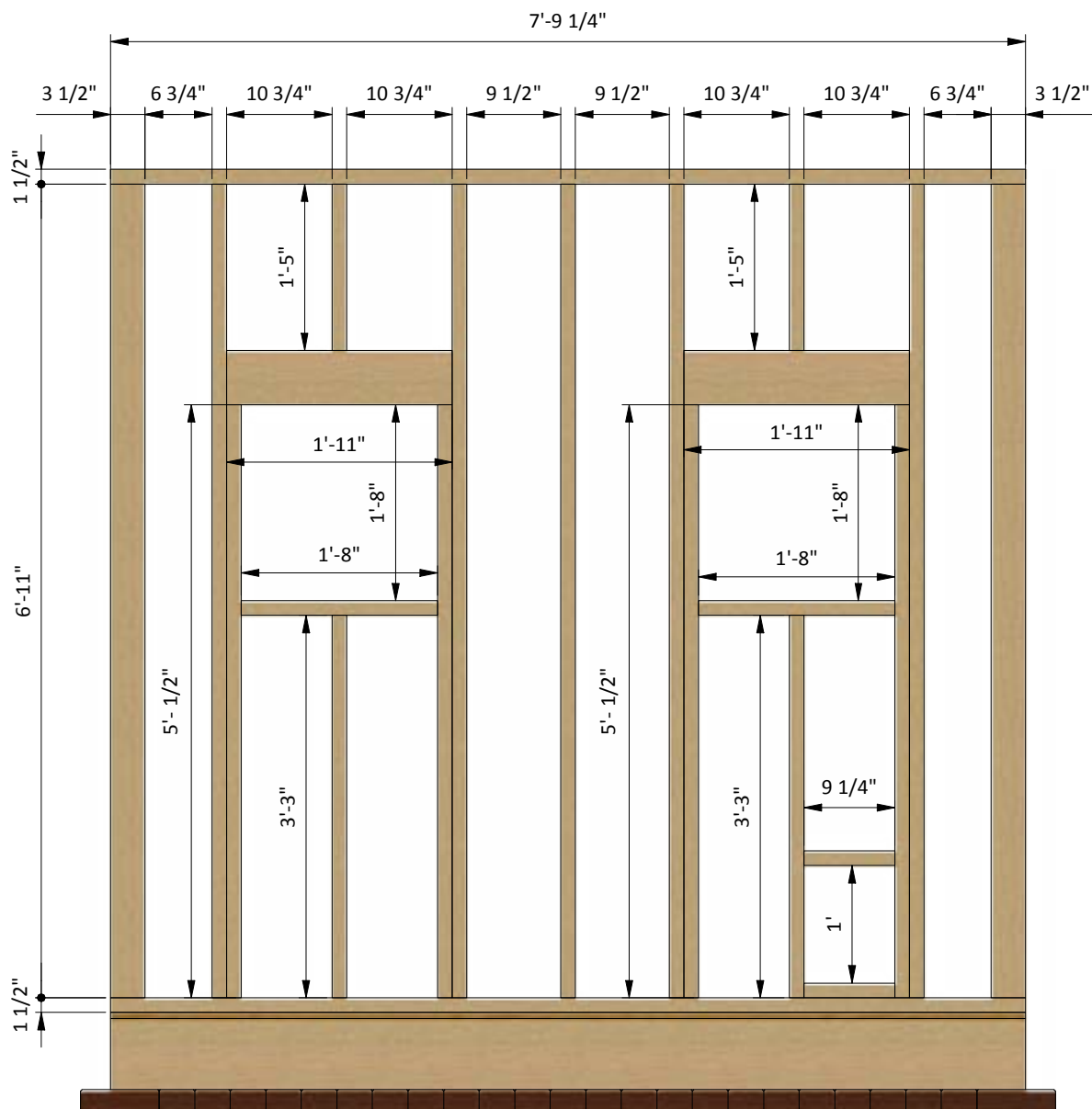
## STEP 4

## Assemble 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°.





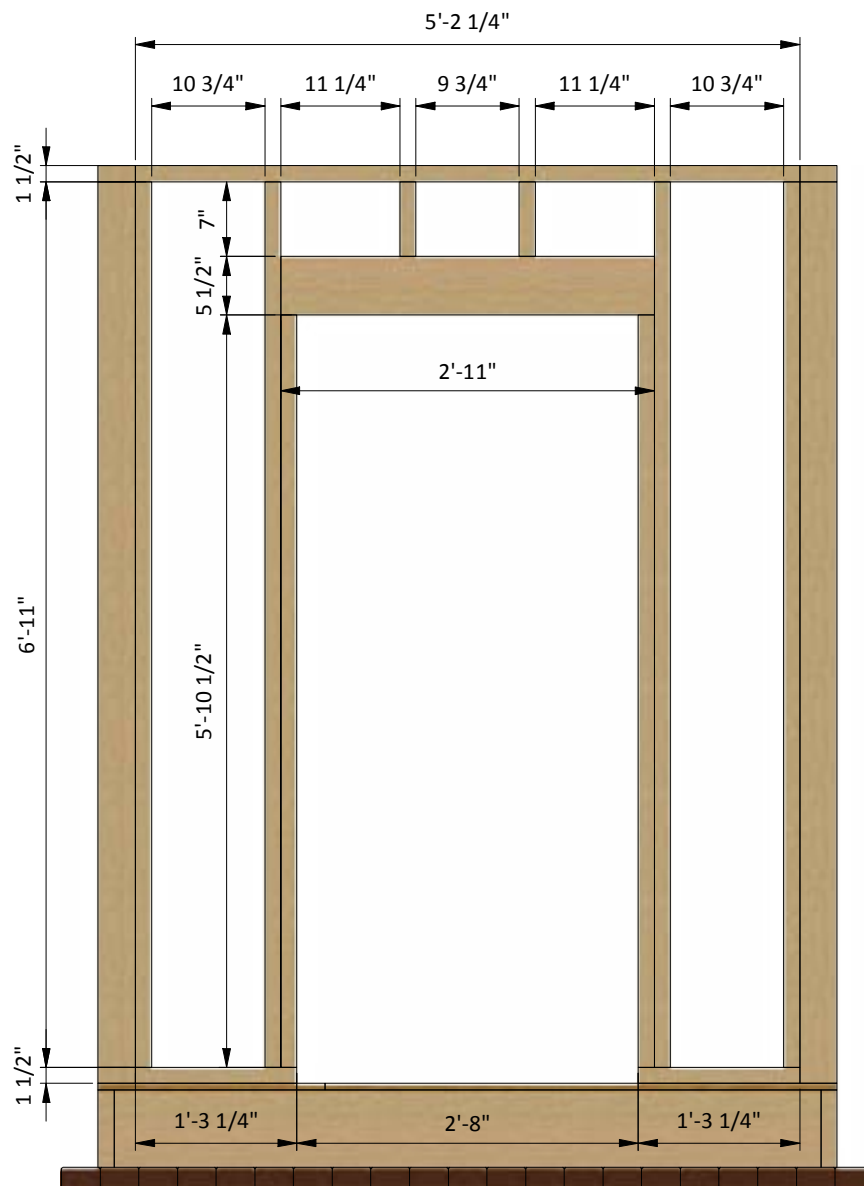
## STEP 5

### 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°.





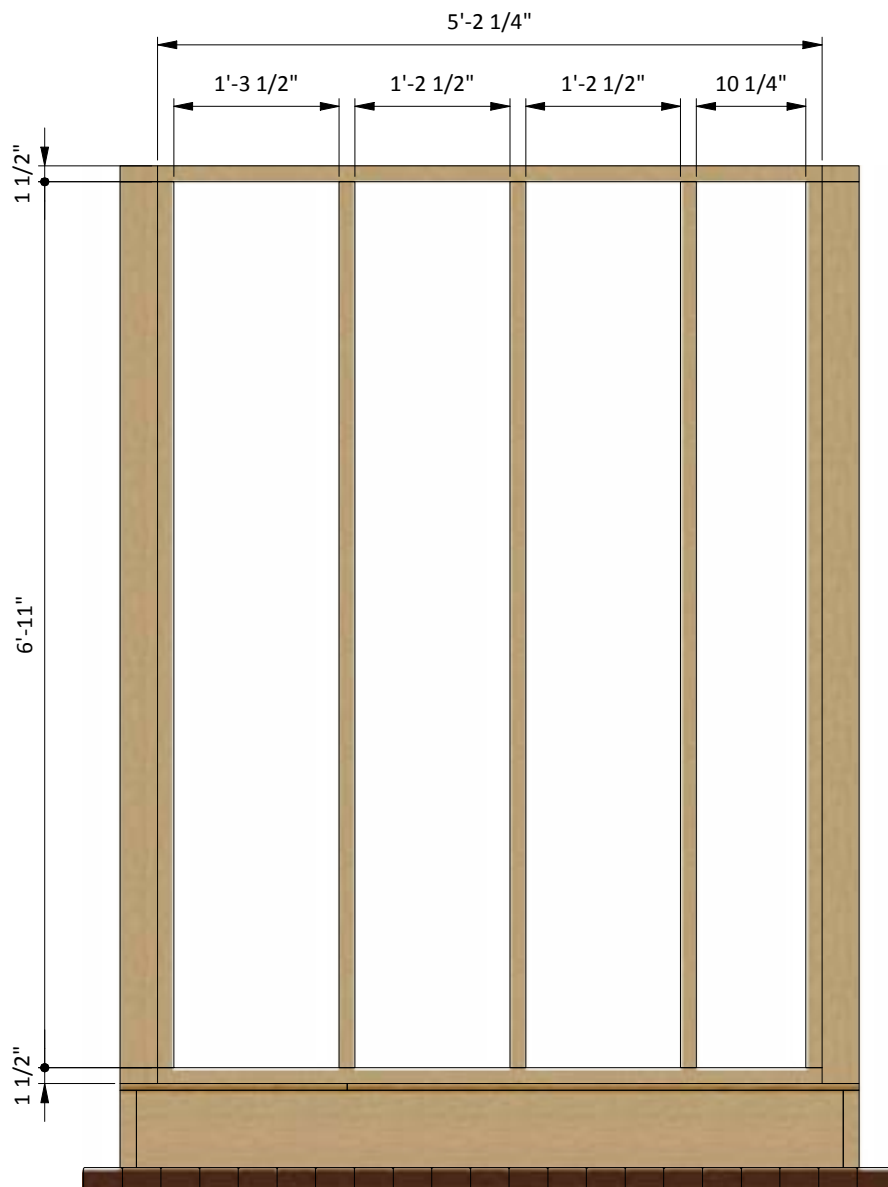
## STEP 6

### 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

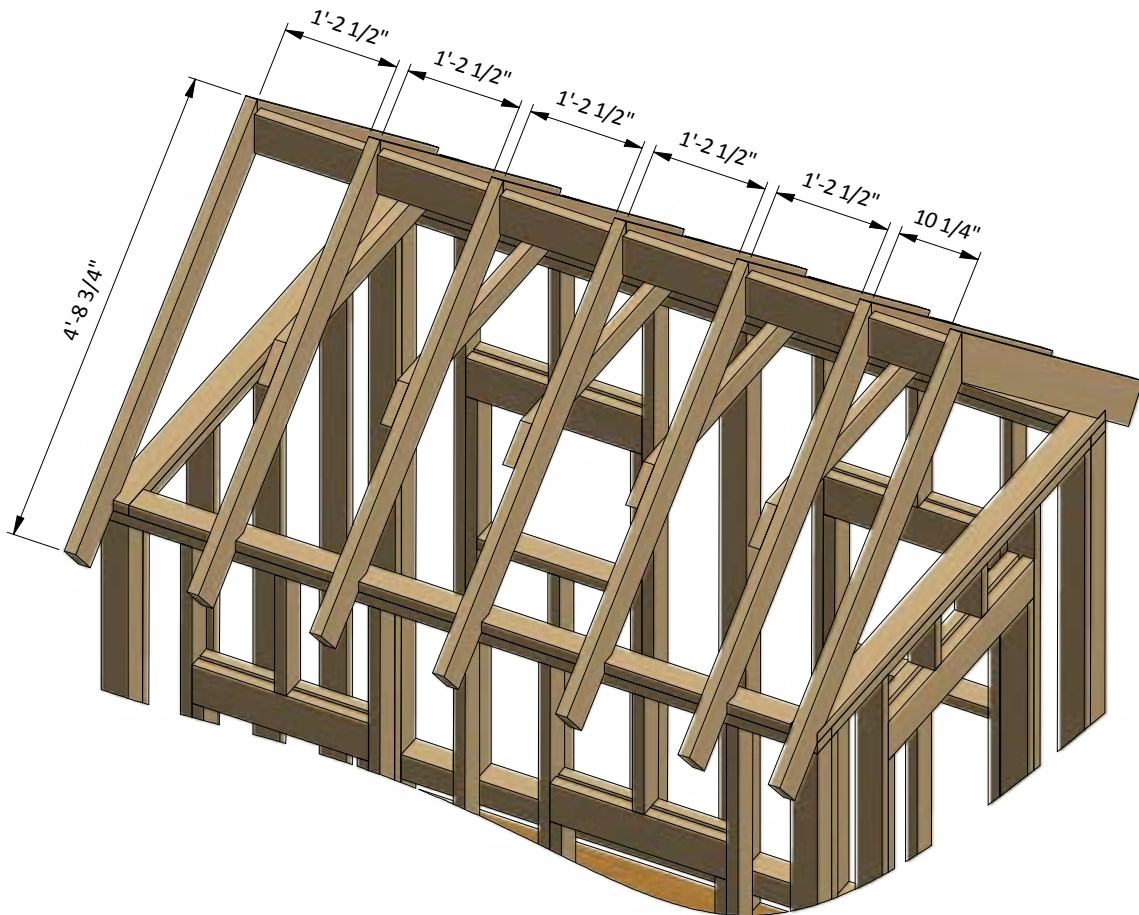
### Assemble the Roof Frame

**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.



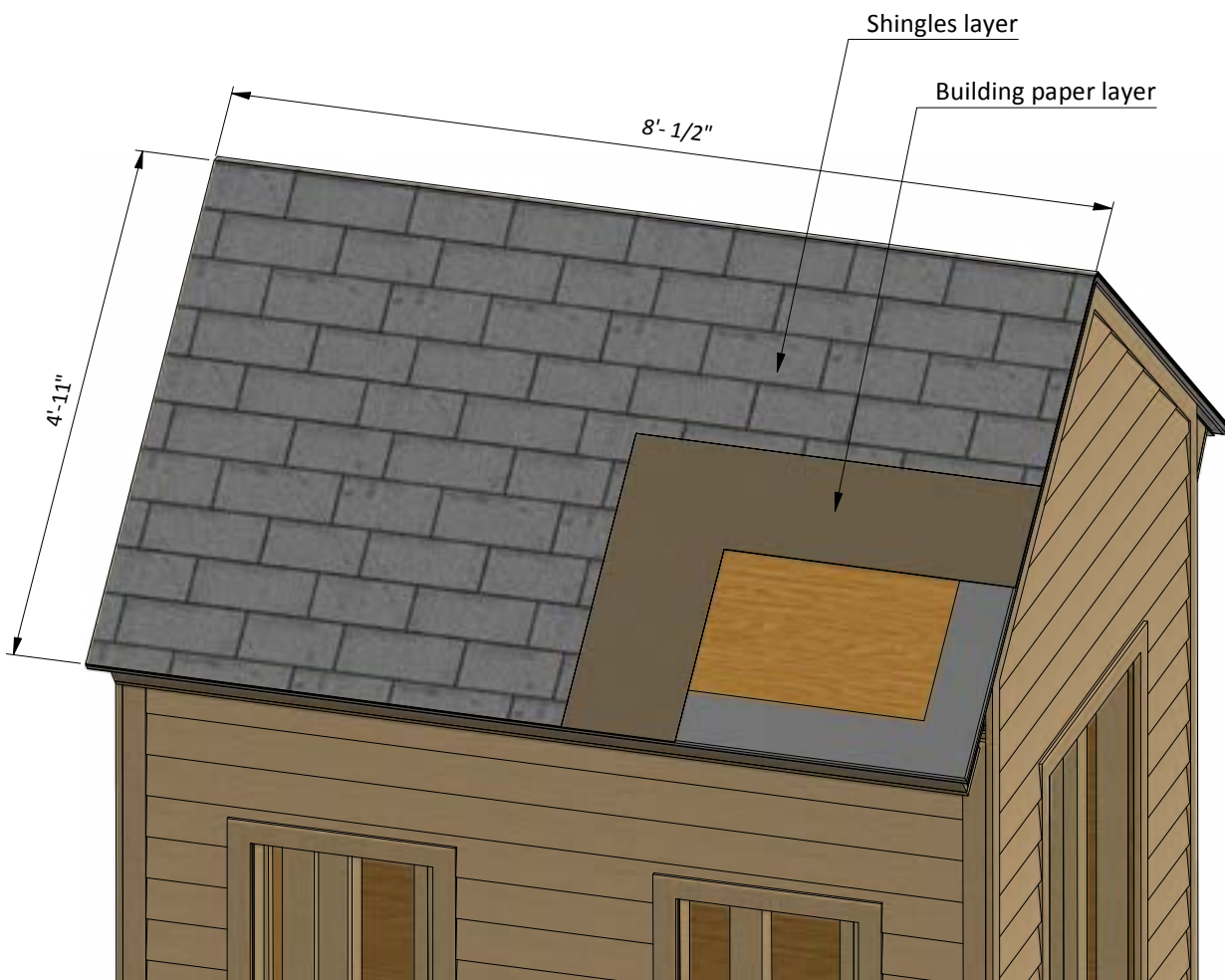
## STEP 8

### 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  $\frac{3}{4}$ " x  $3\frac{1}{2}$ " pressure-treated lumber.

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

**9.2** Prepare the  $\frac{5}{8}"$  plywood sheet with dimensions  $2'-7\frac{1}{2}"$  x  $5'-11\frac{1}{2}"$  for the door according to the drawing.

**9.3** Use  $\frac{3}{4}"$  x  $2\frac{1}{2}"$  pressure-treated lumber for the door trim and fasten with 2" wood screws.

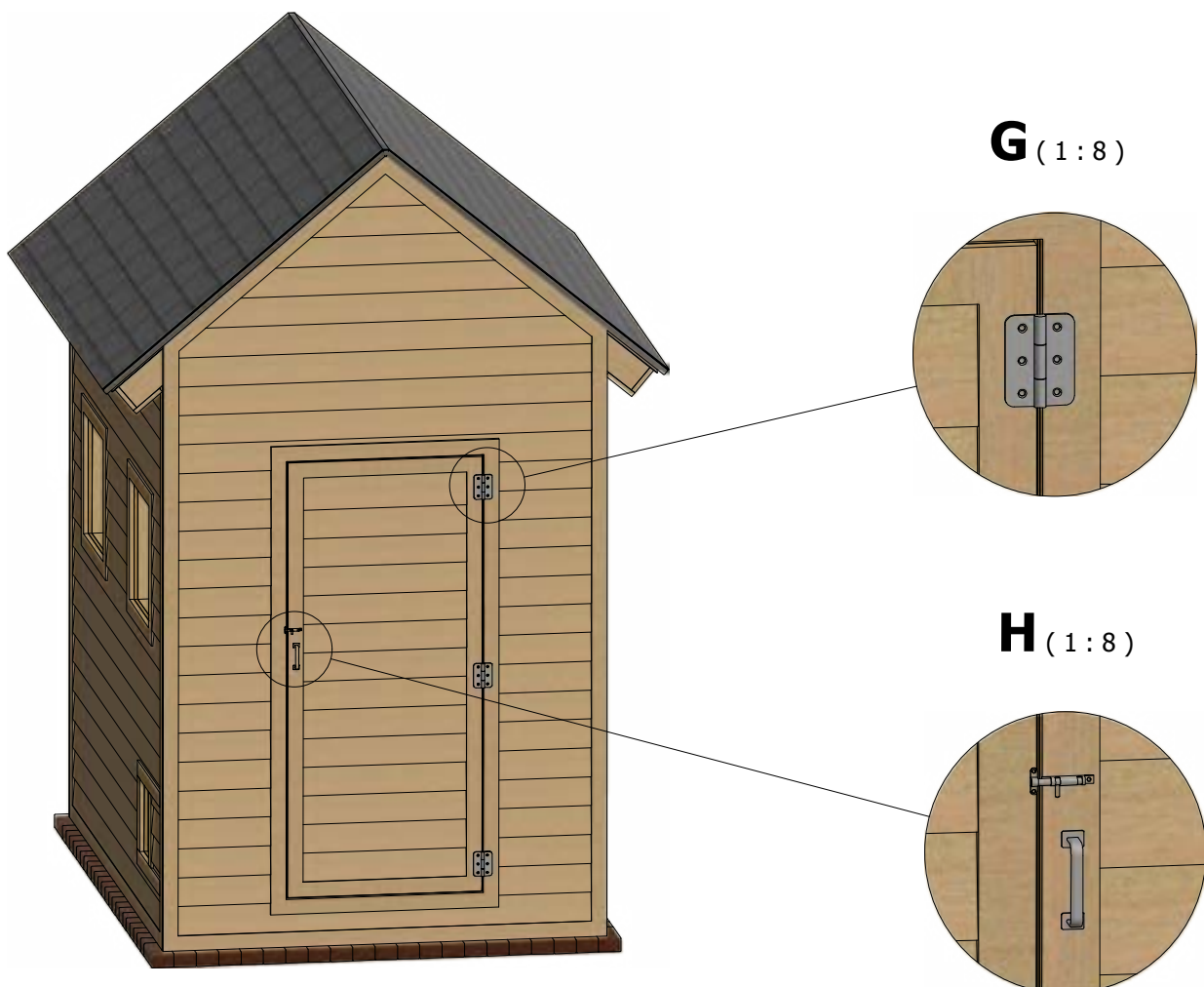
You will need two boards cut to  $2'-2\frac{1}{2}"$  and two boards cut to  $5'-11\frac{1}{2}"$ .

**9.4** Using  $\frac{1}{4}"$  x  $\frac{3}{4}"$  pressure-treated lumber, cut and install a starter course  $2'-2\frac{1}{2}"$  long using node E on page 31 as a reference.

**9.5** For the exterior siding on the door, use  $\frac{1}{2}"$  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.





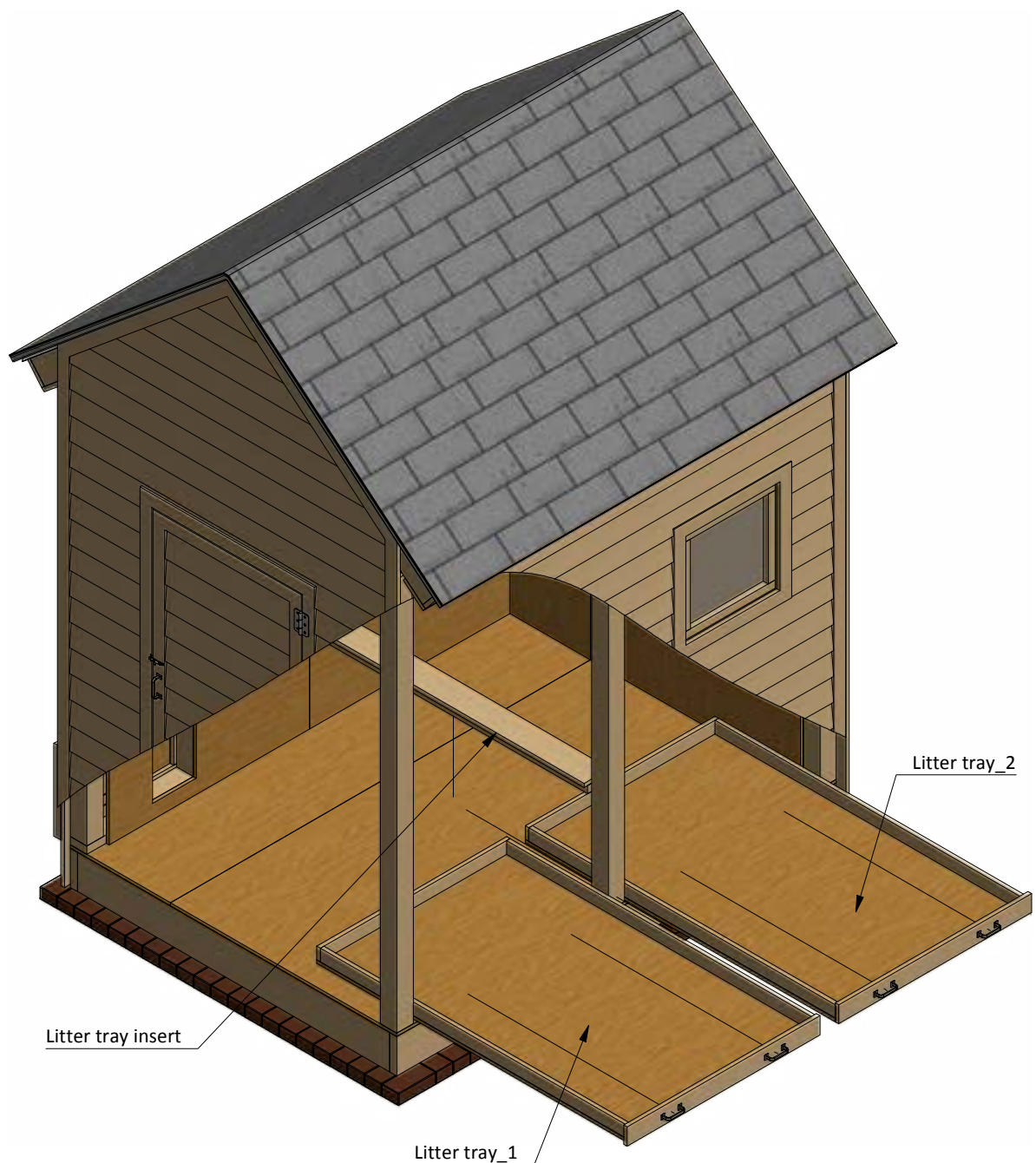
## STEP 11

### Assemble The Litter Tray

You will need to assemble two trays.

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

**11.2** Using  $1\frac{1}{2}$ " x  $1\frac{1}{2}$ " and  $\frac{3}{4}$ " x  $5\frac{1}{2}$ " 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 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 3/4" sheets for the side and inner partitions.

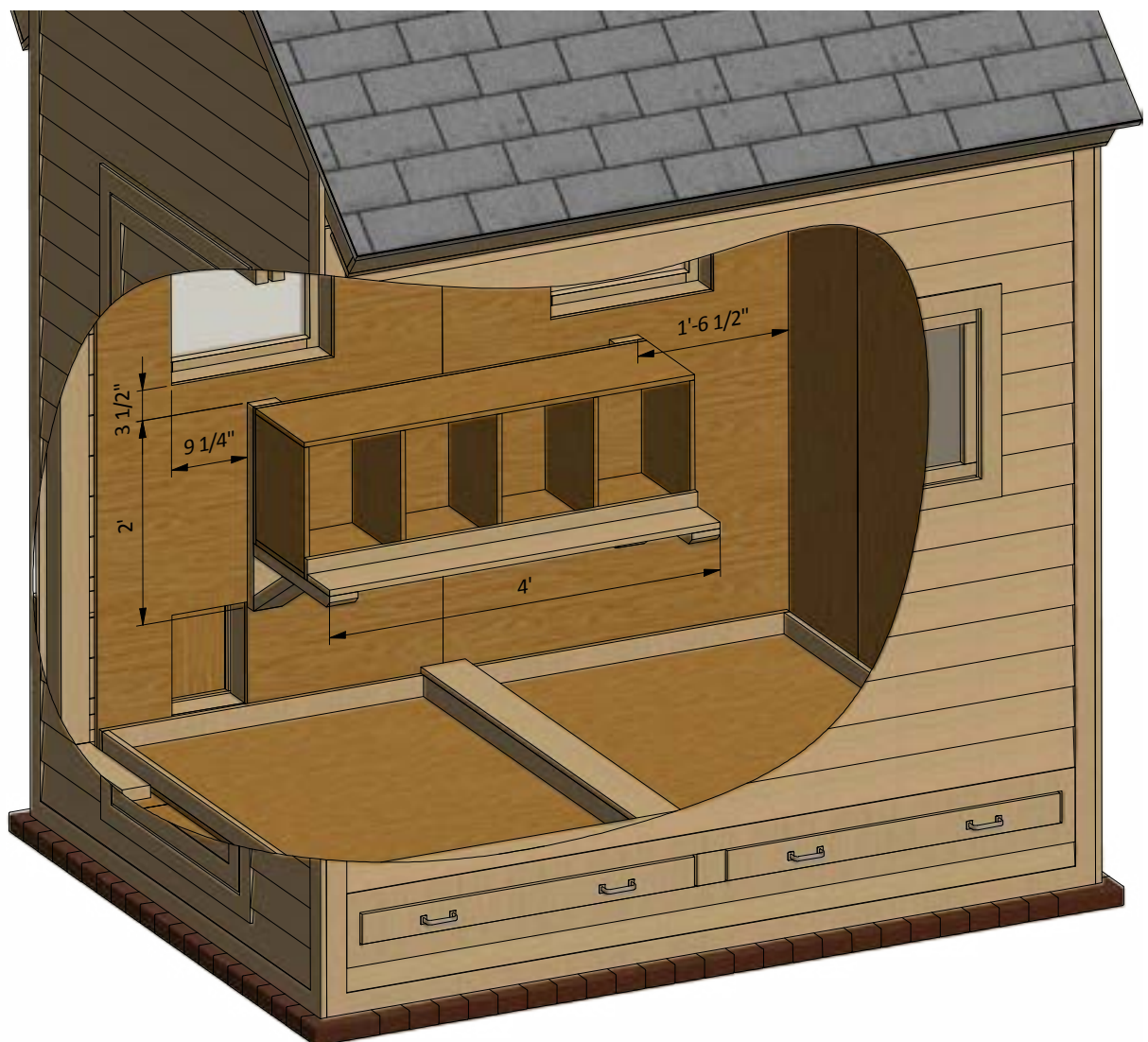
**12.2** Using 1 1/2" x 3 1/2" pressure-treated lumber, assemble two hangers.

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 3/4" x 2 1/2" and 3/4" x 5 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.

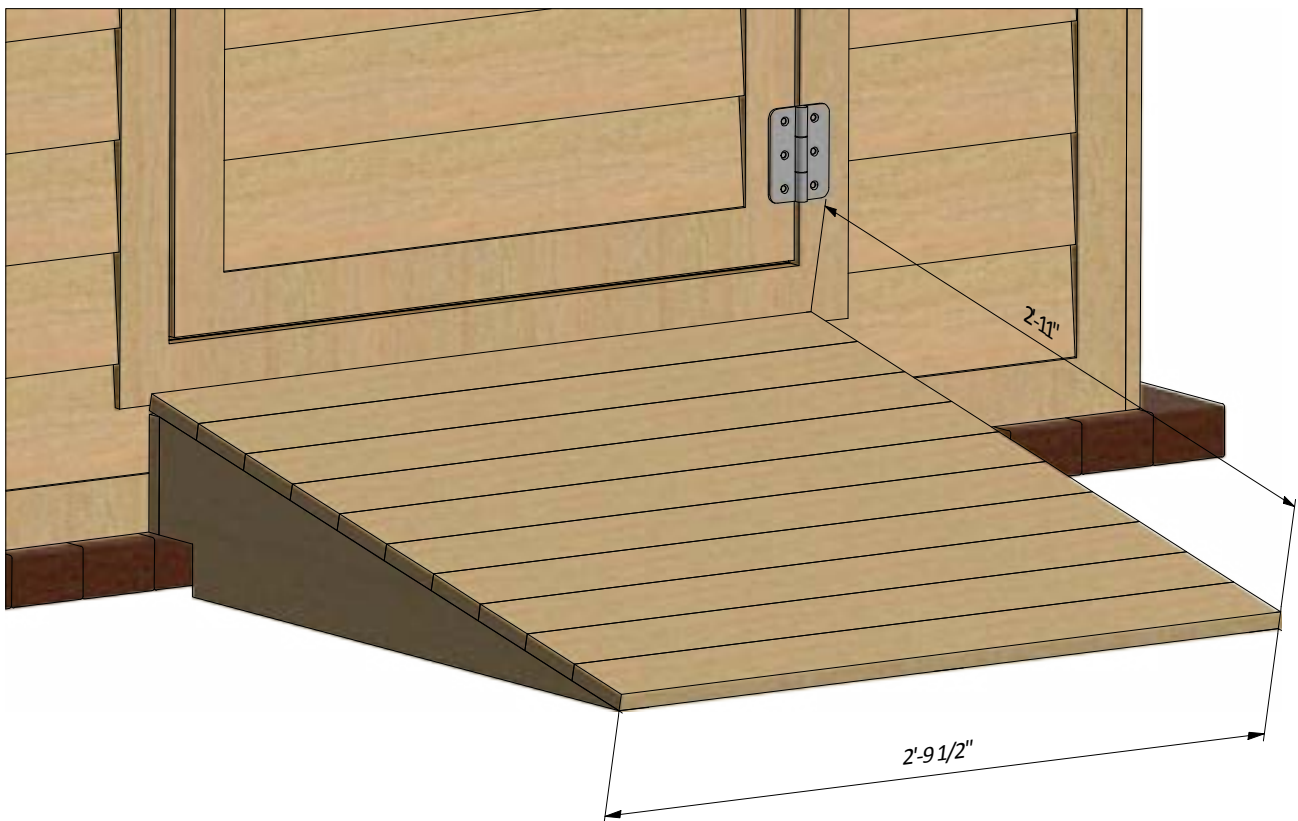


## STEP 14

### Assemble and Install Door Ramp

**14.1** Using  $3/4" \times 3\ 1/2"$ ,  $3/4" \times 5\ 1/2"$ ,  $1\ 1/2" \times 3\ 1/2"$  and  $1\ 1/2" \times 7\ 1/4"$  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  $5" \times 2'-9\ 1/2"$  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.





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Pages	20	62
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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