



## 8' x 12' Chicken Coop Plan

Up to 15 chickens



## Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	22	47
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

# 8'x12' 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

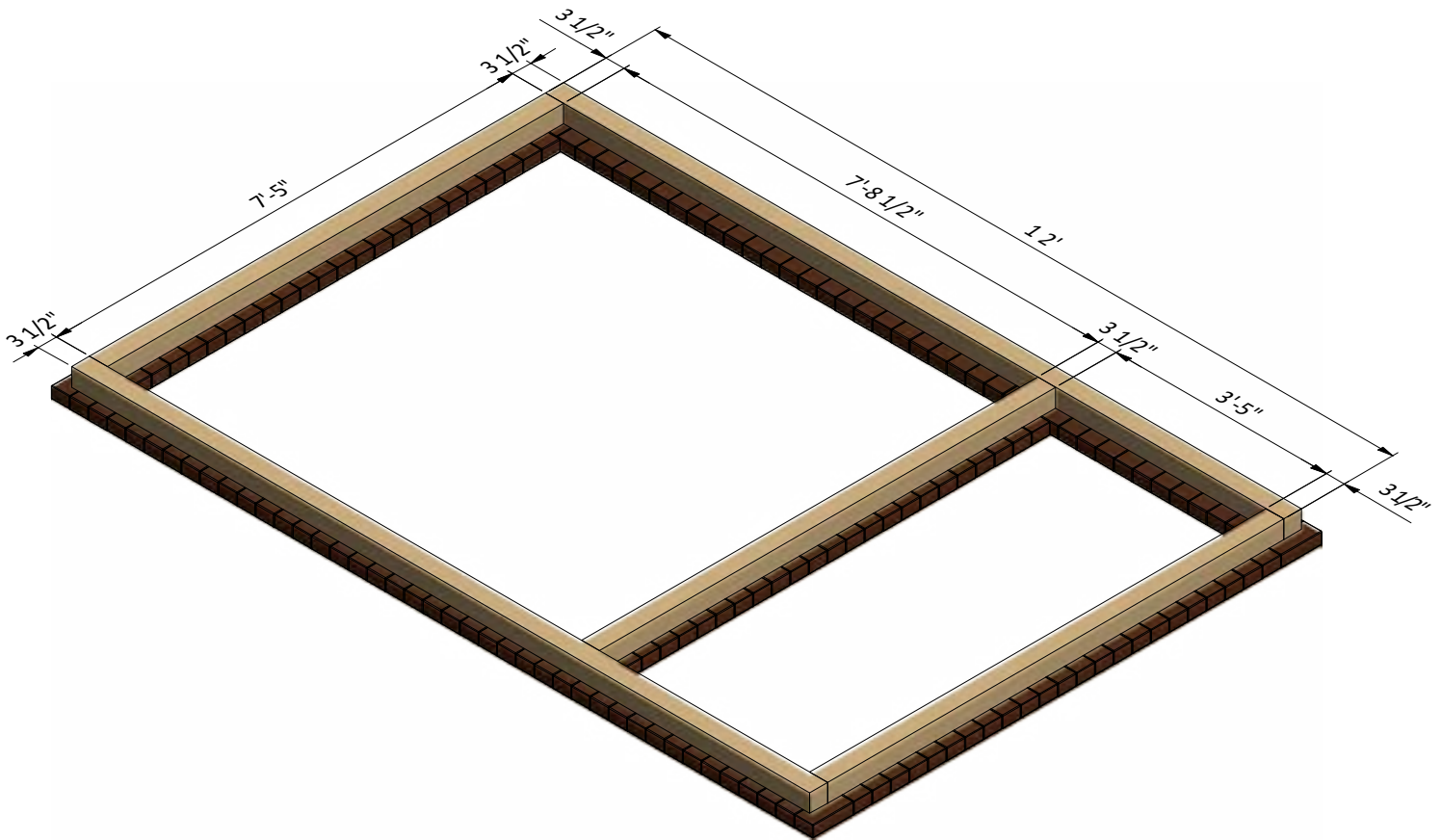
## STEP 1

## Framing the Coop's Floor

**1.1** Assemble the frame using 3 1/2" x 3 1/2" pressure-treated lumber. You will need two boards cut to 12' that will be the rim joist and three boards cut to 7'-5" 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°.



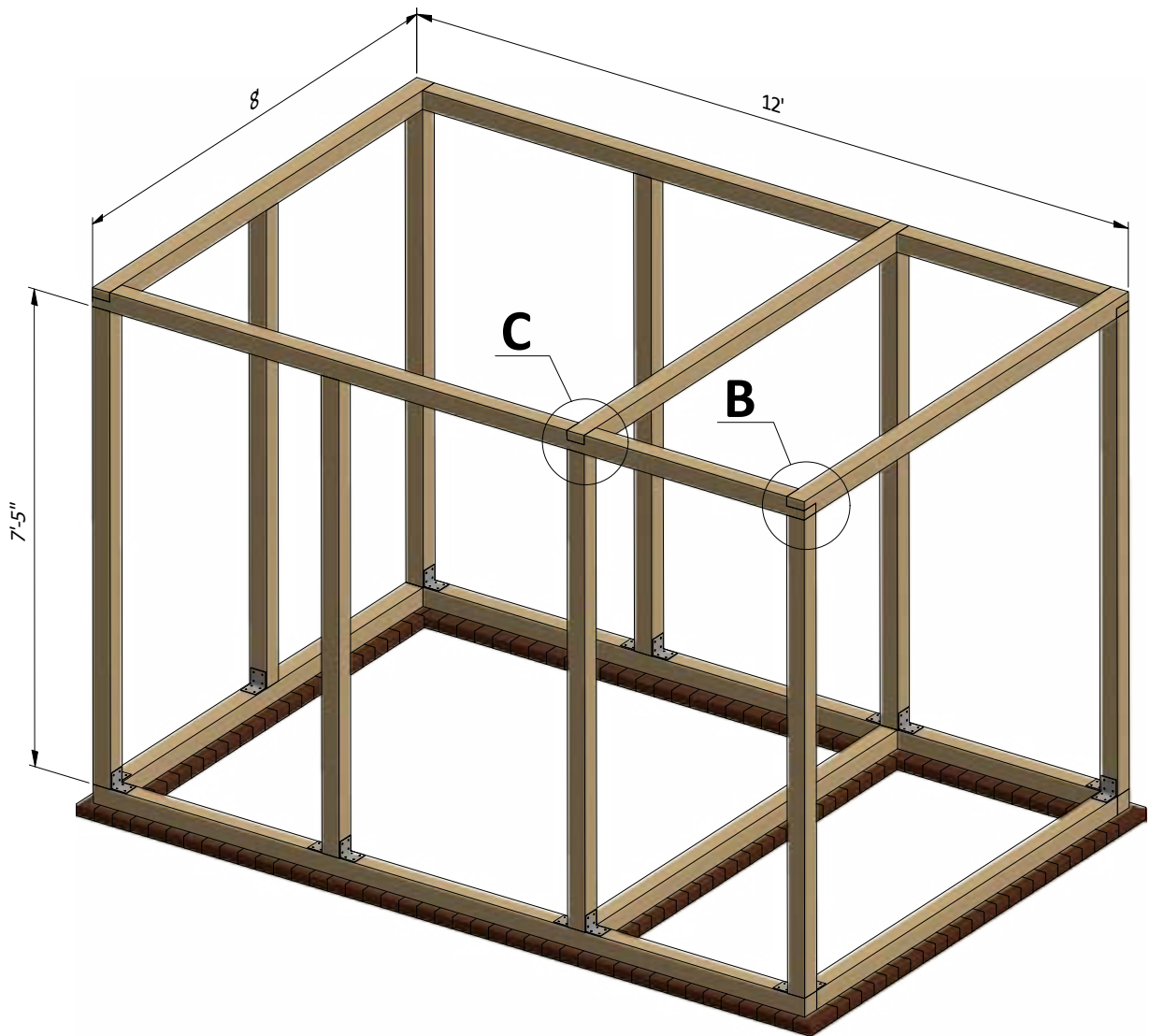
## STEP 2

### Assemble The Top Beams

**2.1** Assemble the top beams using 3 1/2" x 3 1/2" pressure-treated material. You will need two boards cut to 12' and three boards cut to 8'. To connect top beams between themselves use half lap connection (nodes B, C on page 17)

**2.2** Connect the beams with 5" wood screws.

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





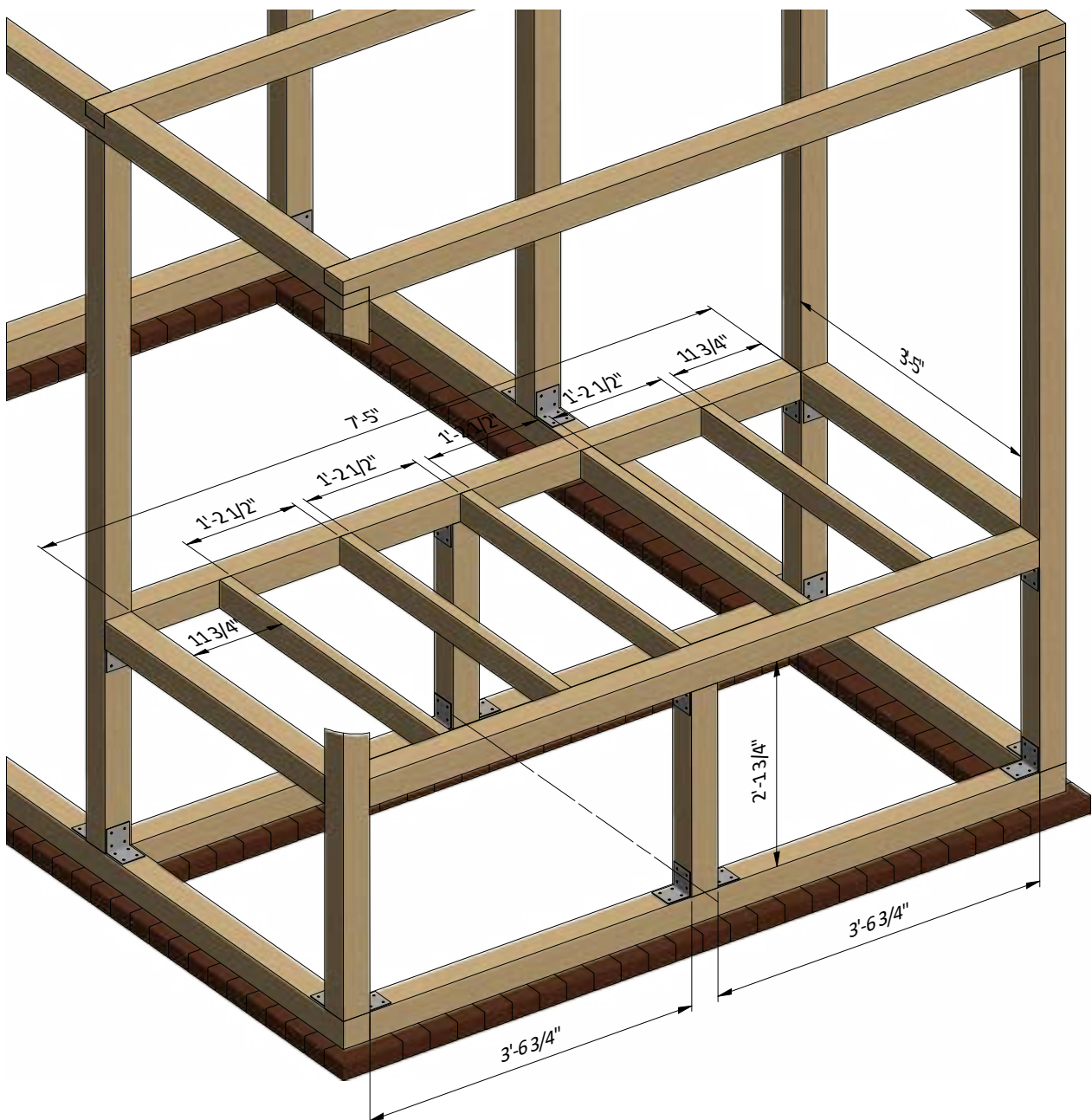
## STEP 3

### Assemble The Floor Frame

**3.1** Using  $1\frac{1}{2}$ " x  $3\frac{1}{2}$ " and  $3\frac{1}{2}$ " x  $3\frac{1}{2}$ " pressure-treated material, cut joists and studs to assemble the floor frame using the illustrations below as a reference. You will need seven boards cut to 3'-5" and two boards cut to 7'-5" that will be joists and two boards cut to 2'-1  $\frac{3}{4}$ " that will be studs.

**3.2** Connect the beams with 3" x 3" corner braces and 1" wood screws.

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



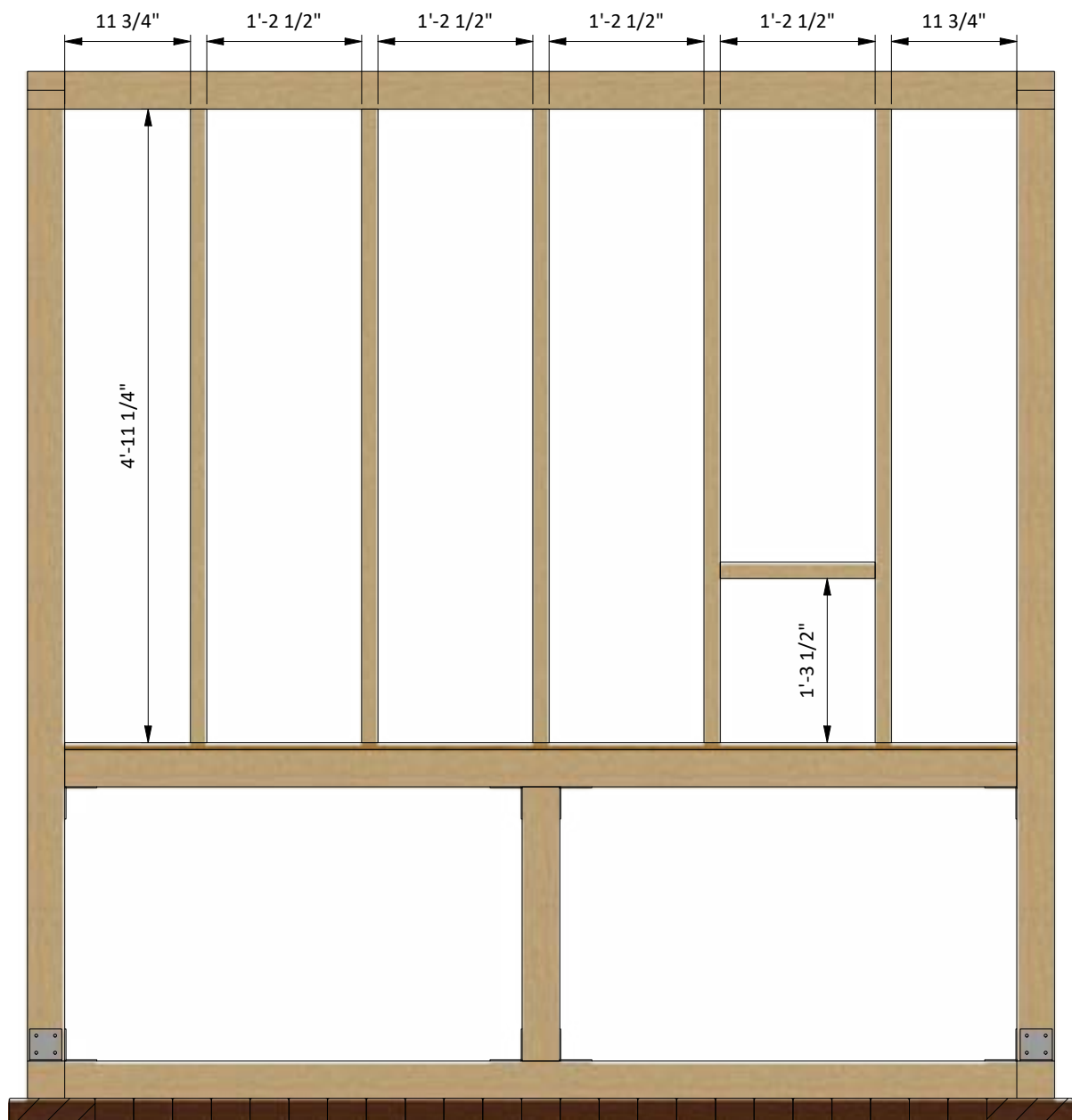
## STEP 4

### Assemble Back Wall Frame

**4.1** 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 4'-11 1/4" that will be studs and one board cut to 1'-2 1/2" that will be chicken door header.

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

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



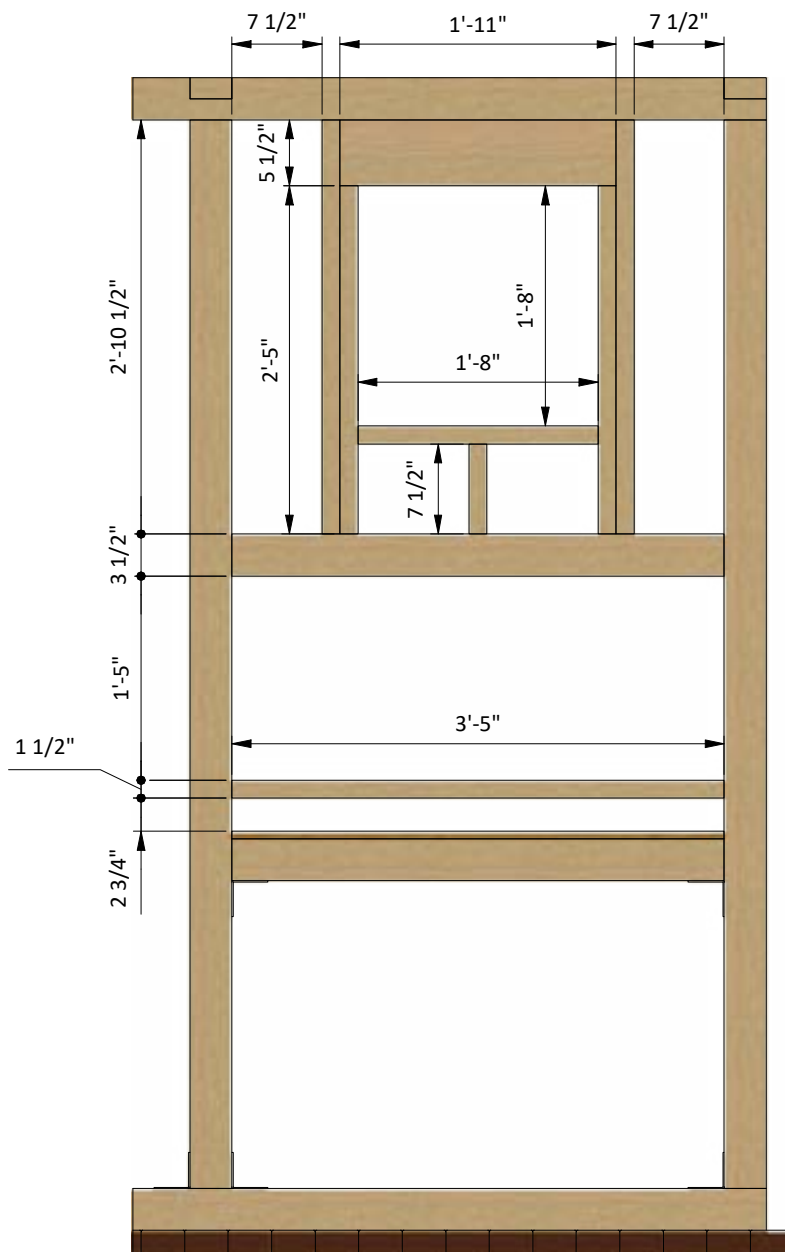
## STEP 5

### Assemble Side Wall Frames

**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 frames for left and right walls using the drawing below as a reference. For each wall you will need two boards cut to 2'-10 1/2", two boards cut to 2'-5" and one board cut to 7 1/2" that will be studs, two boards cut to 1'-11" that will be the window header, one board cut to 1'-8" that will be rough sill and two boards cut to 3'-5" that will be bottom plates.

**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°.





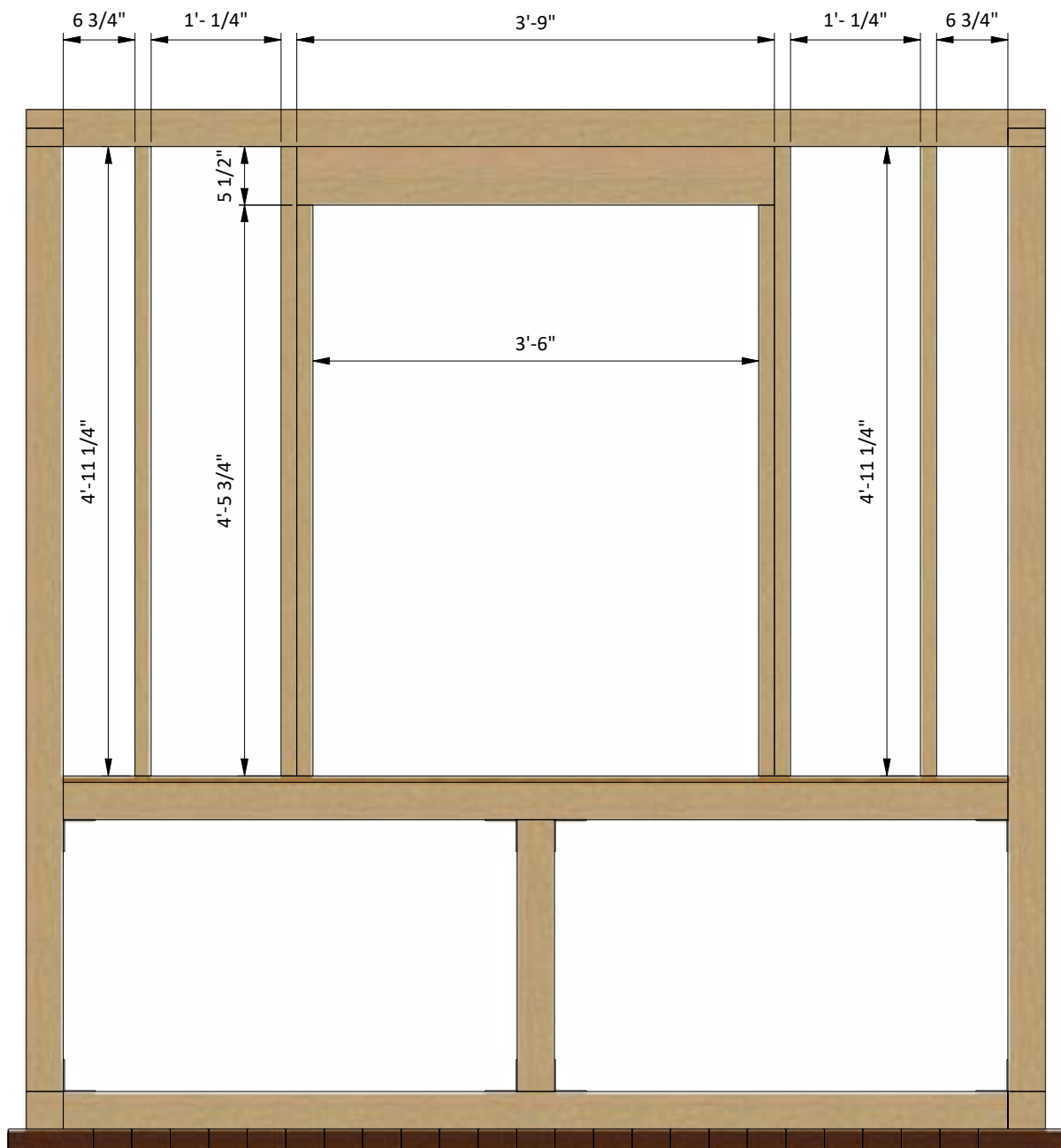
## STEP 6

### Assemble Front Wall Frame

**6.1** 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 4'-11 1/4" and two boards cut to 4'-5 3/4" that will be studs and two boards cut to 3'-9" that will be the door header.

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

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



## STEP 7

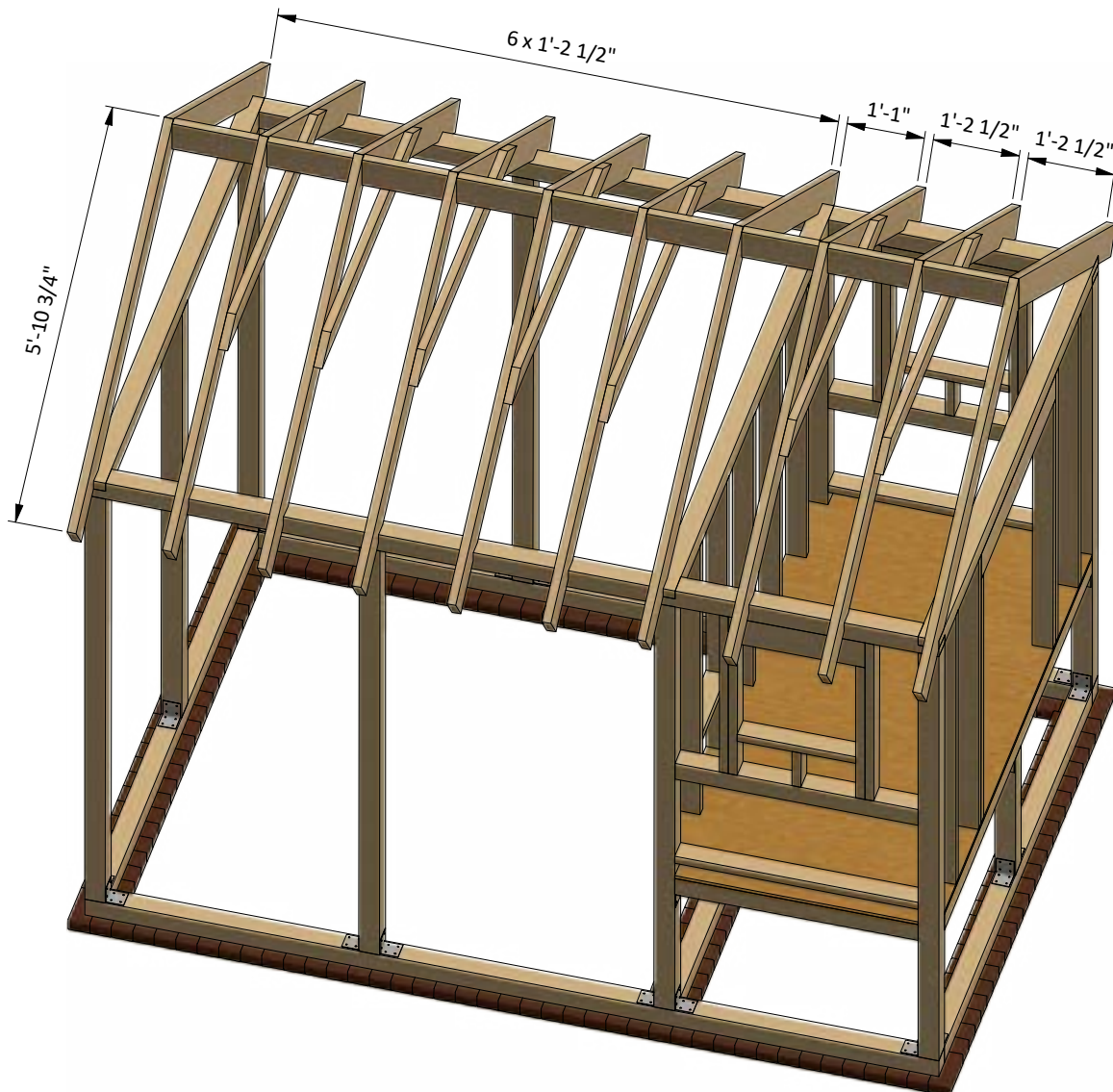
### Assemble the Roof Frame

**7.1** Using 1 1/2" x 5 1/2" pressure-treated lumber, cut twenty rafters 5'-10 3/4" long according to the dimensions in drawings below.

**7.2** Using 1 1/2" x 3 1/2" pressure-treated lumber, cut seven collar ties 5' long according to the dimensions in drawings below.

**7.3** Using 1 1/2" x 5 1/2" pressure-treated board, cut one board 1'-1" long and eight 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.

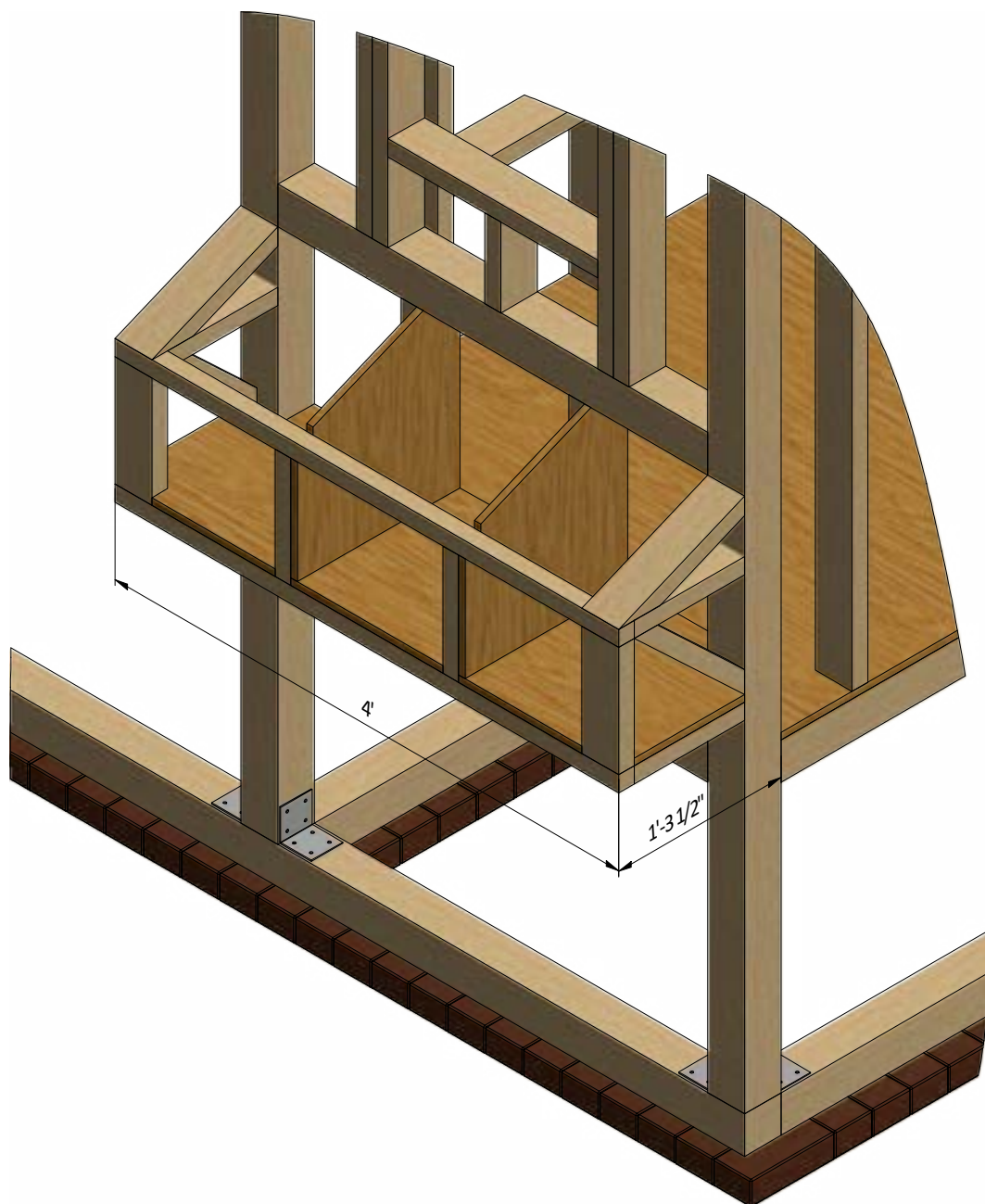


## STEP 8

### Install Plywood for the Nesting Box

**8.1** Cut sheet of 5/8" plywood for the nesting box sheathing using the drawing below as a guide. You will need one 3'-10 1/2" x 4' sheet for the floor and two 1'-3 1/2" x 1'-4 1/2" sheets for inner partitions.

**8.2** Secure the plywood with 1" wood screws.



## STEP 9

### Assemble and Install Front Door

You will need to assemble two doors.

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

**9.2** Prepare the  $\frac{5}{8}$ " plywood sheet with dimensions  $1'-8\frac{3}{4}"$  x  $4'-5\frac{1}{4}"$  for the door according to the drawing.

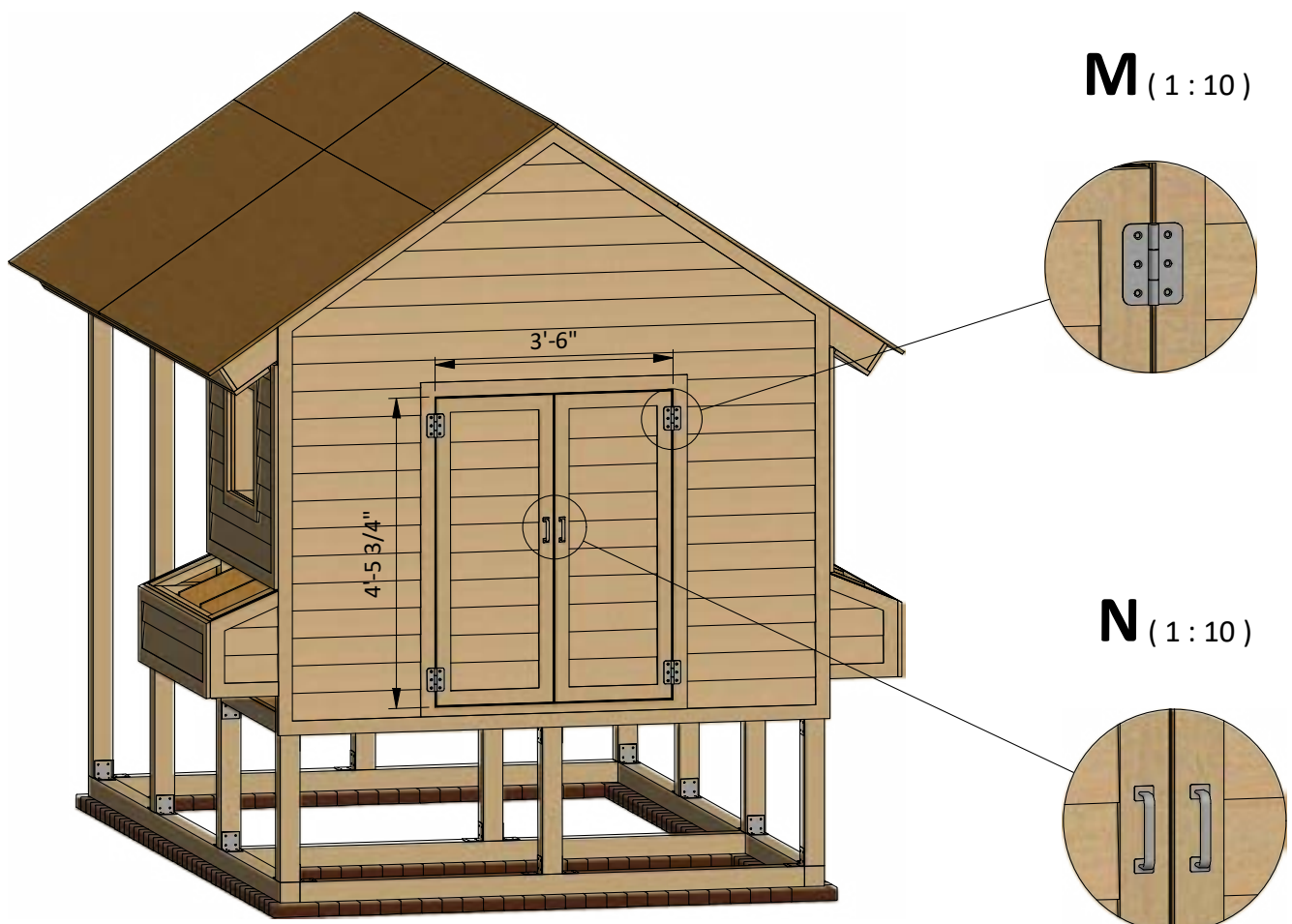
**9.3** Use  $\frac{3}{4}$ " x  $2\frac{1}{2}$ " pressure-treated lumber for the door trim and fasten with 2" wood screws. You will need two boards cut to  $1'-3\frac{3}{4}"$  and two boards cut to  $4'-5\frac{1}{4}"$ .

**9.4** Using  $\frac{1}{4}$ " x  $\frac{3}{4}$ " pressure-treated lumber, cut and install a starter course  $1'-3\frac{3}{4}"$  long using node E on page 35 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.

**9.6** Assemble siding shields with 2" galvanized nails.

**9.7** Install four 3" door hinges using 6x1" wood screws.  
Finish the doors installation by attaching two 6" doorhandles (see nodes **M**, **N**).



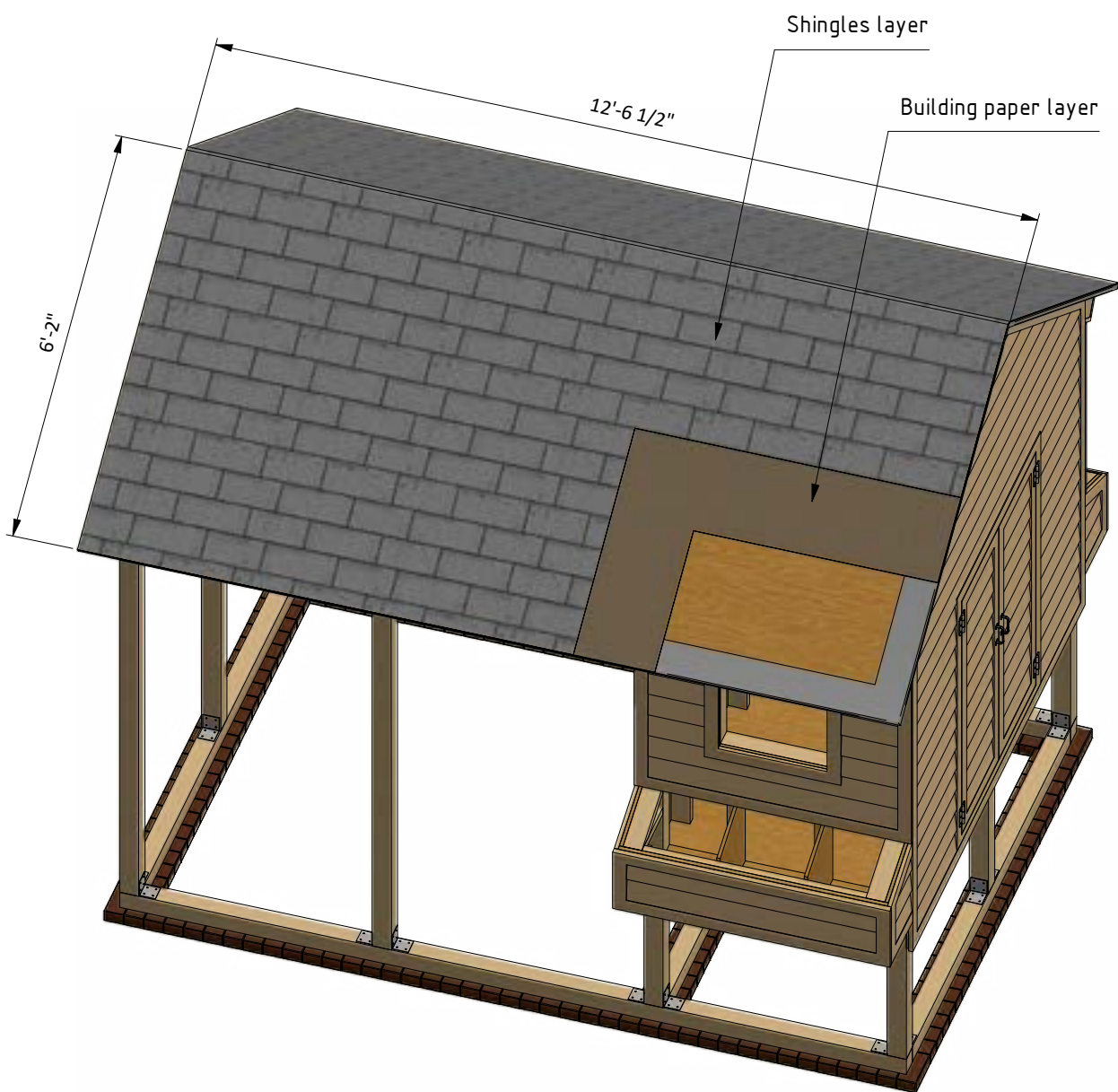
## STEP 10

### Coop's Roof Sheathing Installation

**10.1** You will need 156 Sq Ft of building paper and asphalt shingle roofing.

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

**10.3** Install asphalt shingle roofing using an industrial stapler.





## STEP 11

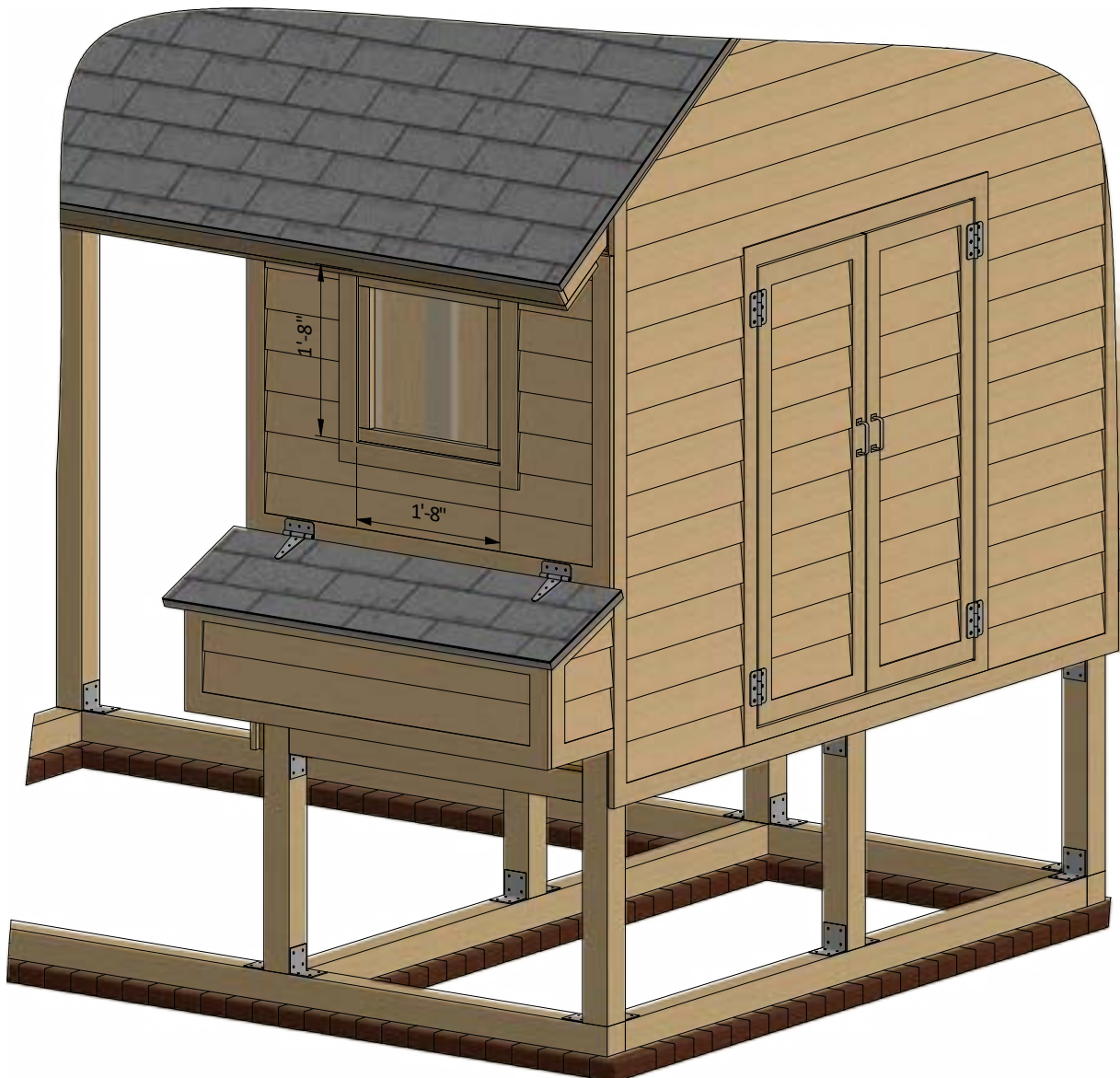
### Assemble and Install Windows

You will need to provide two windows.

**11.1** 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.

**11.2** 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.

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

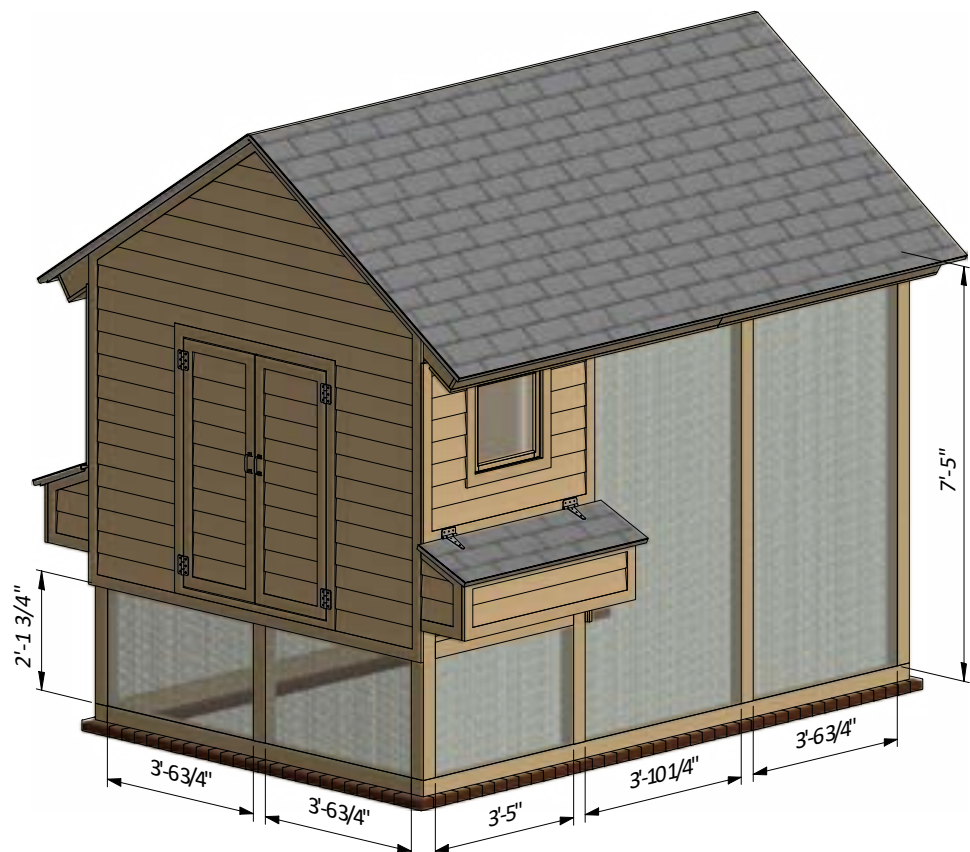
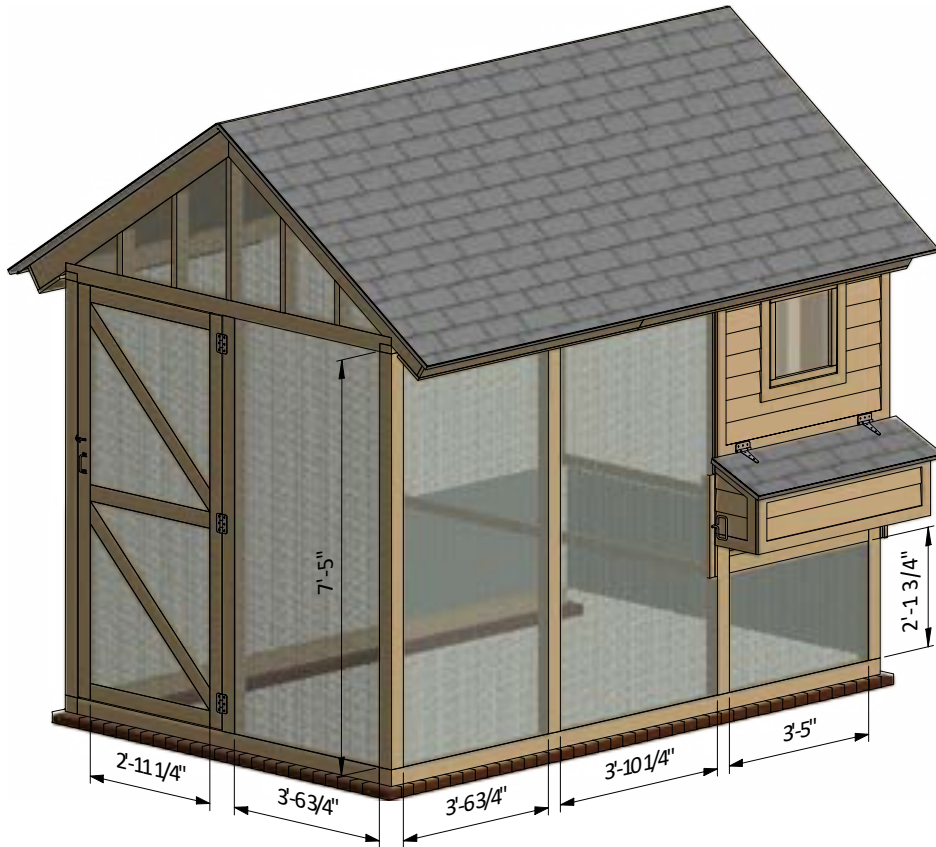




## STEP 12

### Mesh Wall Installation

12.1 Cover the walls with 1/4" wire mesh with the help of industrial stapler. You will need 180 sq ft.



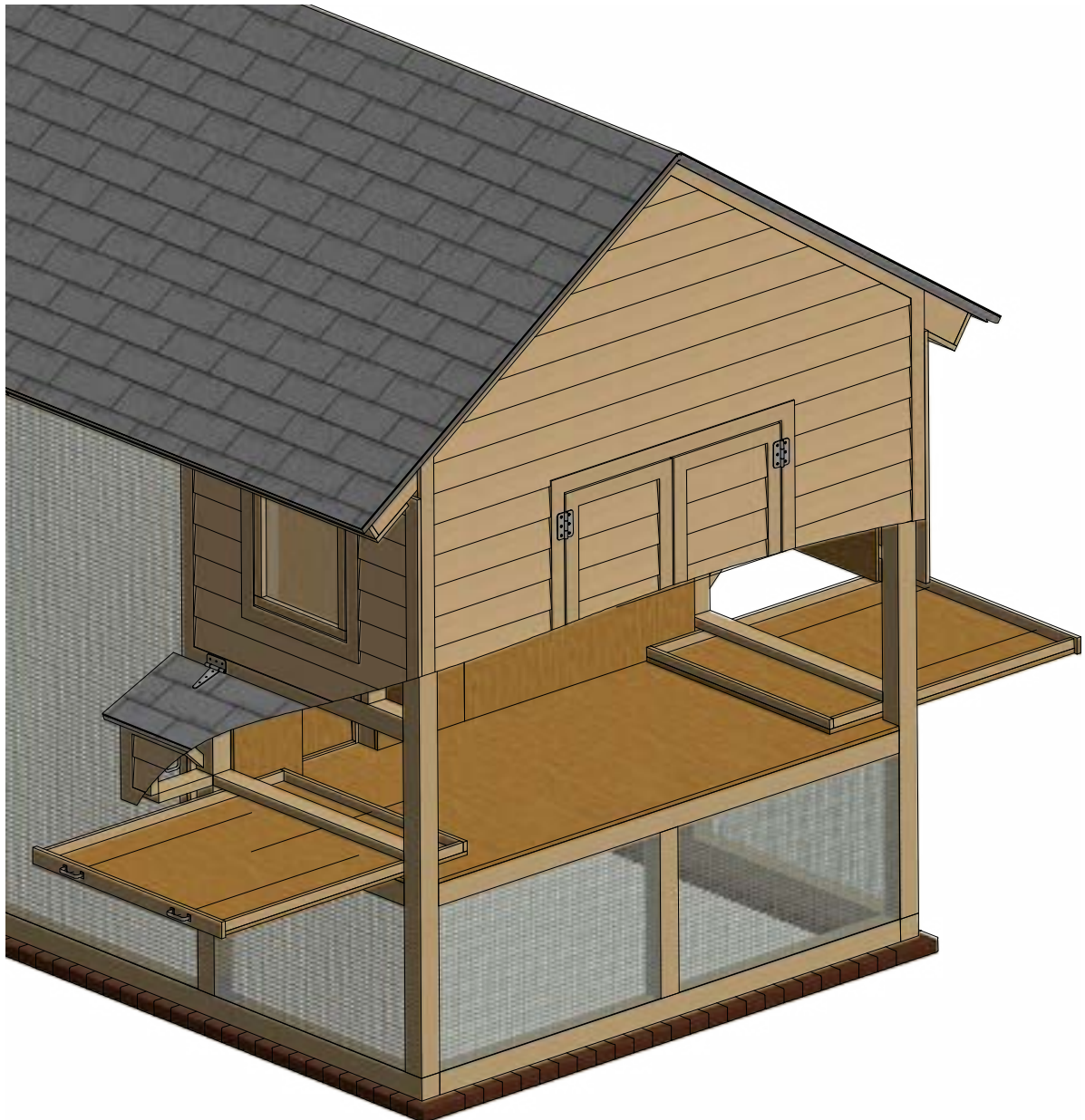
## STEP 13

### Assemble The Litter Tray

You will need to prepare two litter trays.

**13.1** 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 3'-10 1/2", one board cut to 3'-4 1/2" and one board cut to 3'-3 1/4". Assemble the frame and put one 3'-3 1/4" x 3'-11 1/4" sheet of plywood at the bottom. Finish the tray installation by attaching two 6" doorhandles.

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





## STEP 14

# Assemble The Roost

You will need to assemble two roosts.

**14.1** 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 4'-3 3/4" and three boards cut to 3'-3 3/4".

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

**14.3** Install the roosts at the studs with the help of 3" screws.



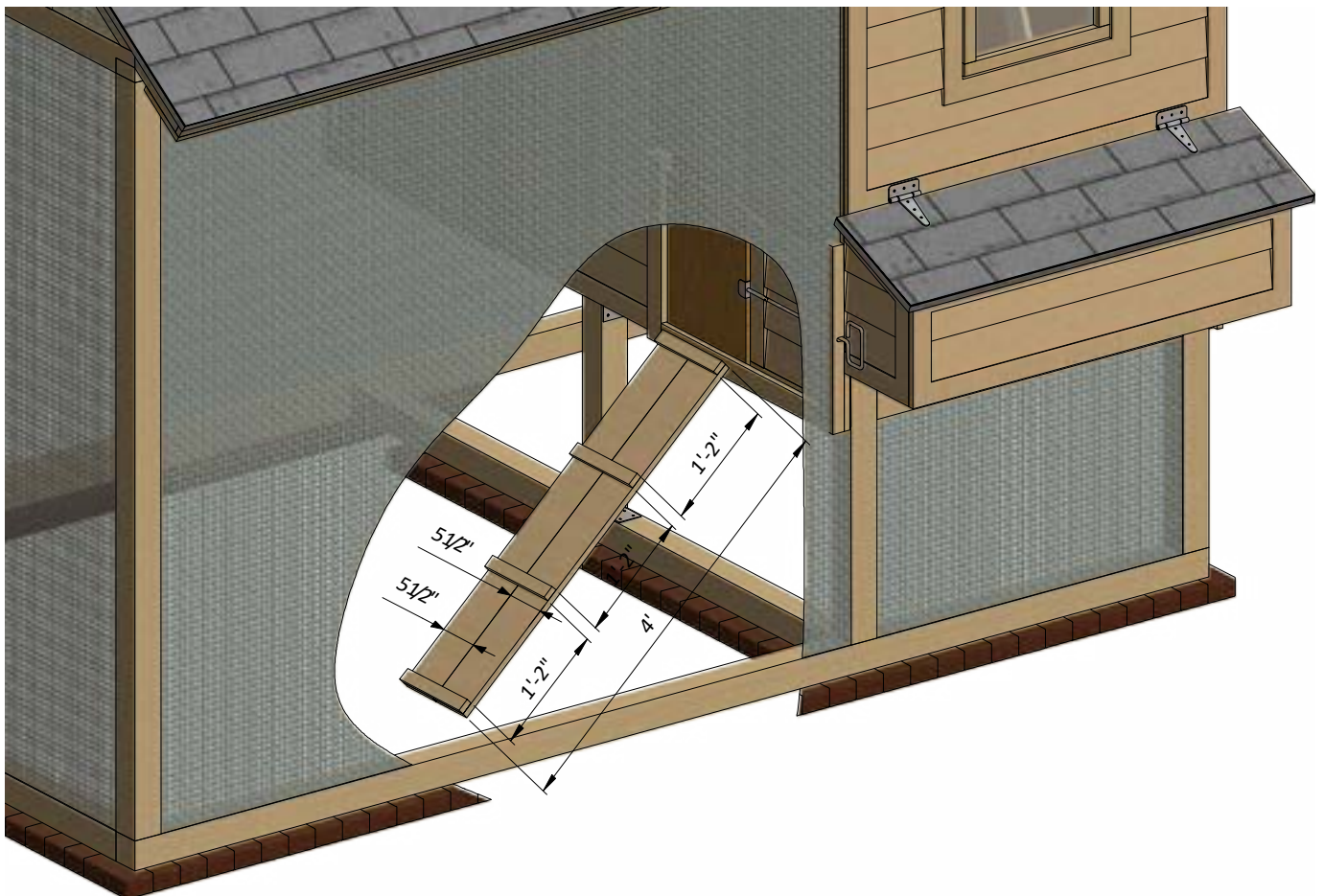
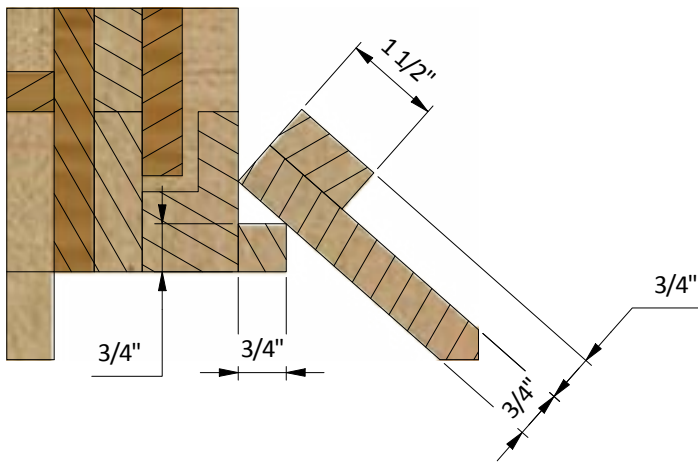
## STEP 15

### Assemble The Chicken Ladder

**15.1** Assemble the ladder using  $\frac{3}{4}$ " x  $1\frac{1}{2}$ " and  $\frac{3}{4}$ " x  $5\frac{1}{2}$ " pressure-treated material. You will need two boards cut to 4' and four boards cut to 11".

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

**15.3** Install the roost at the studs with the help of 2" screws.





## 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.





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[TRY PREMIUM](#)





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