



## 4'x5' Chicken Coop Plan

Up to 8 chickens



## Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	19	60
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'x5' 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

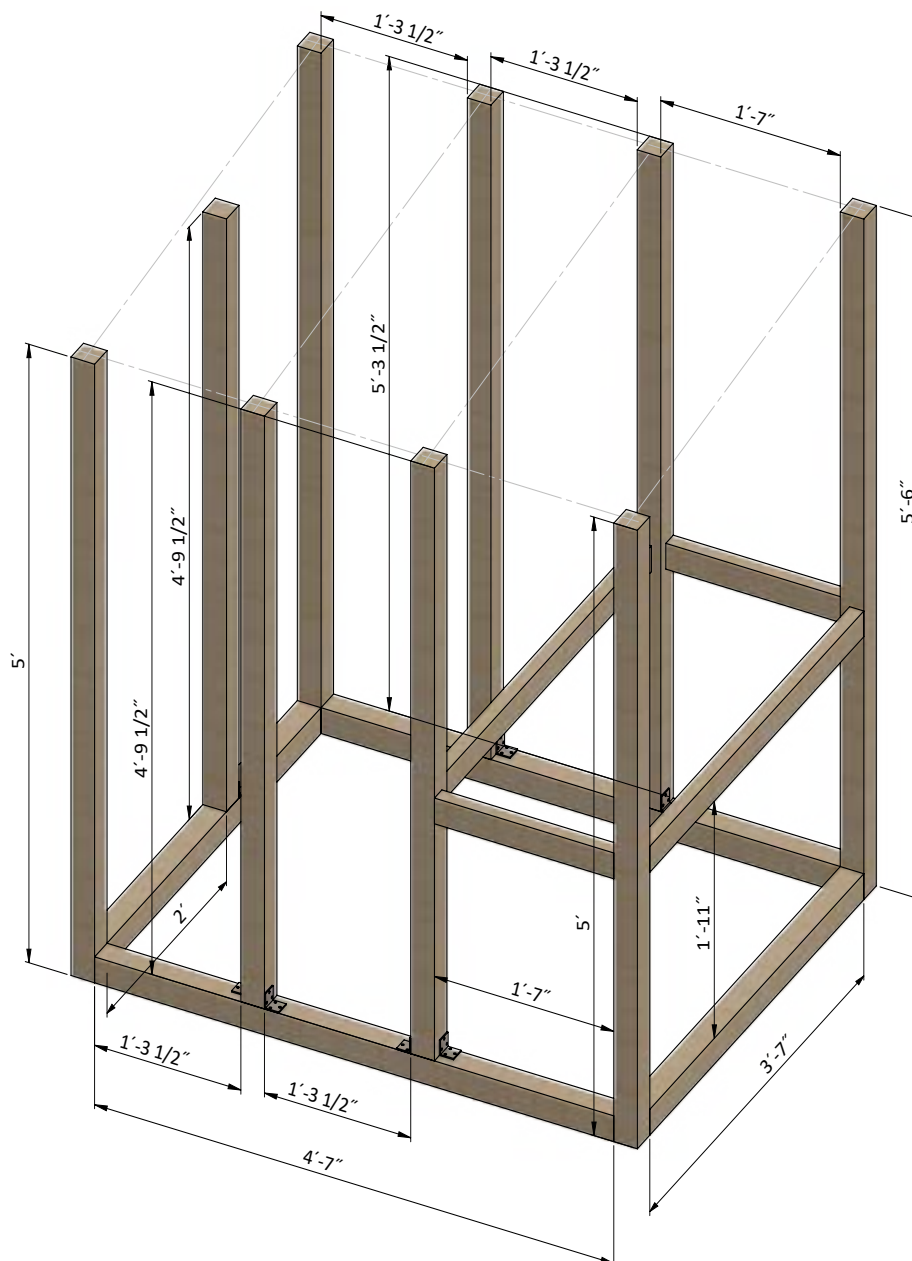
## STEP 1

### Assemble the Main Frame

**1.1** Using 1 1/2" x 2 1/2" and 2 1/2" x 2 1/2" pressure-treated lumber, install the wall studs using the drawing below as a reference. You will need five boards cut to 5' and four boards cut to 5'-6" that will be studs, two boards cut to 4'-7" and two boards cut to 3'-7" that will be joists, two boards cut to 3'-7" and two boards cut to 1'-7" that will be bottom plates.

**1.2** Secure the beams to the bottom rails with 3" wood screws and eight 1 1/2" x 1 1/2" corner brackets.

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



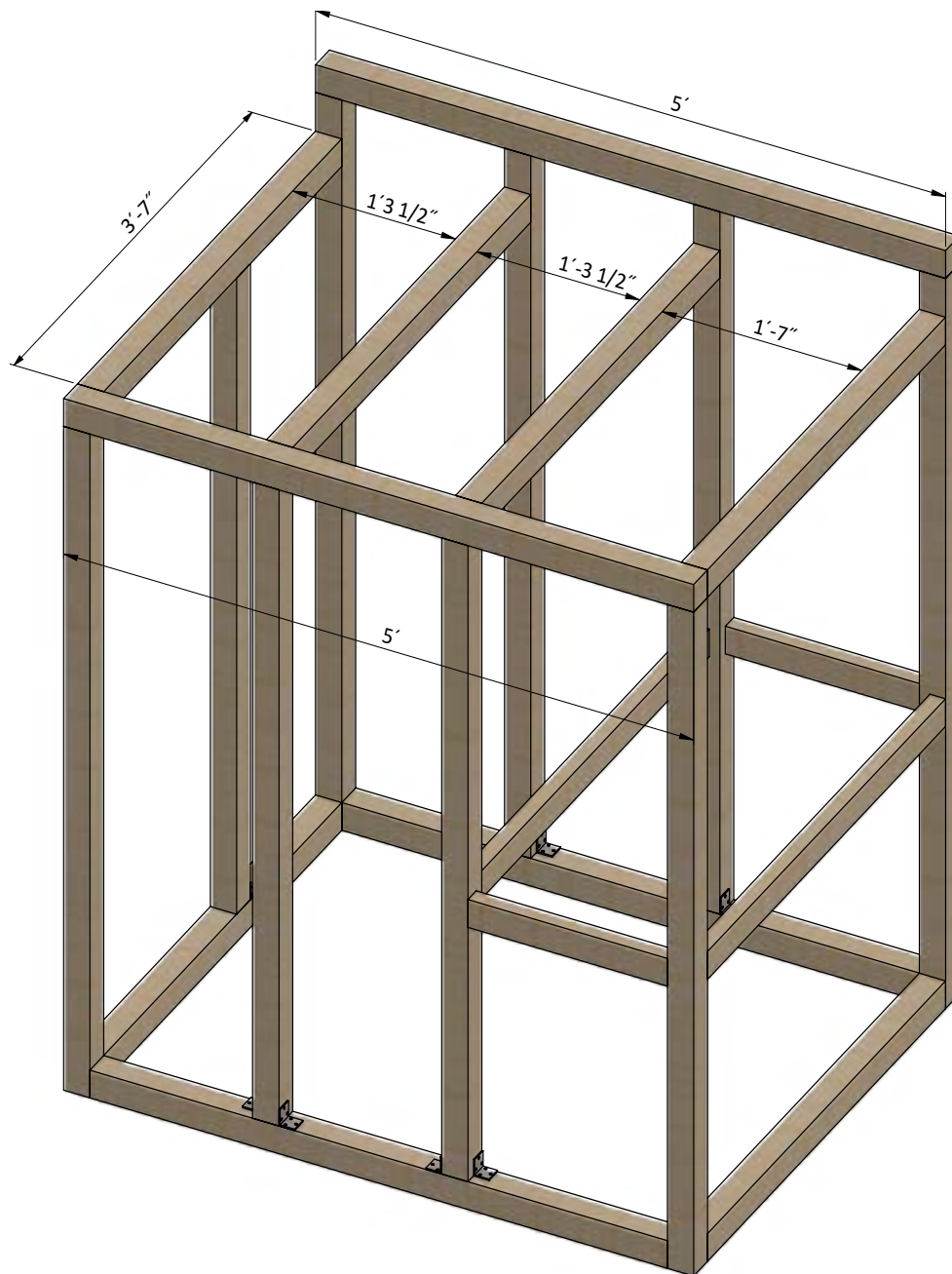
## STEP 2

### Assemble The Top Plates

**2.1** Assemble the top plates using 2 1/2" x 2 1/2" pressure-treated lumber. You will need two boards cut to 5' and four boards cut to 3'-7".

**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°.



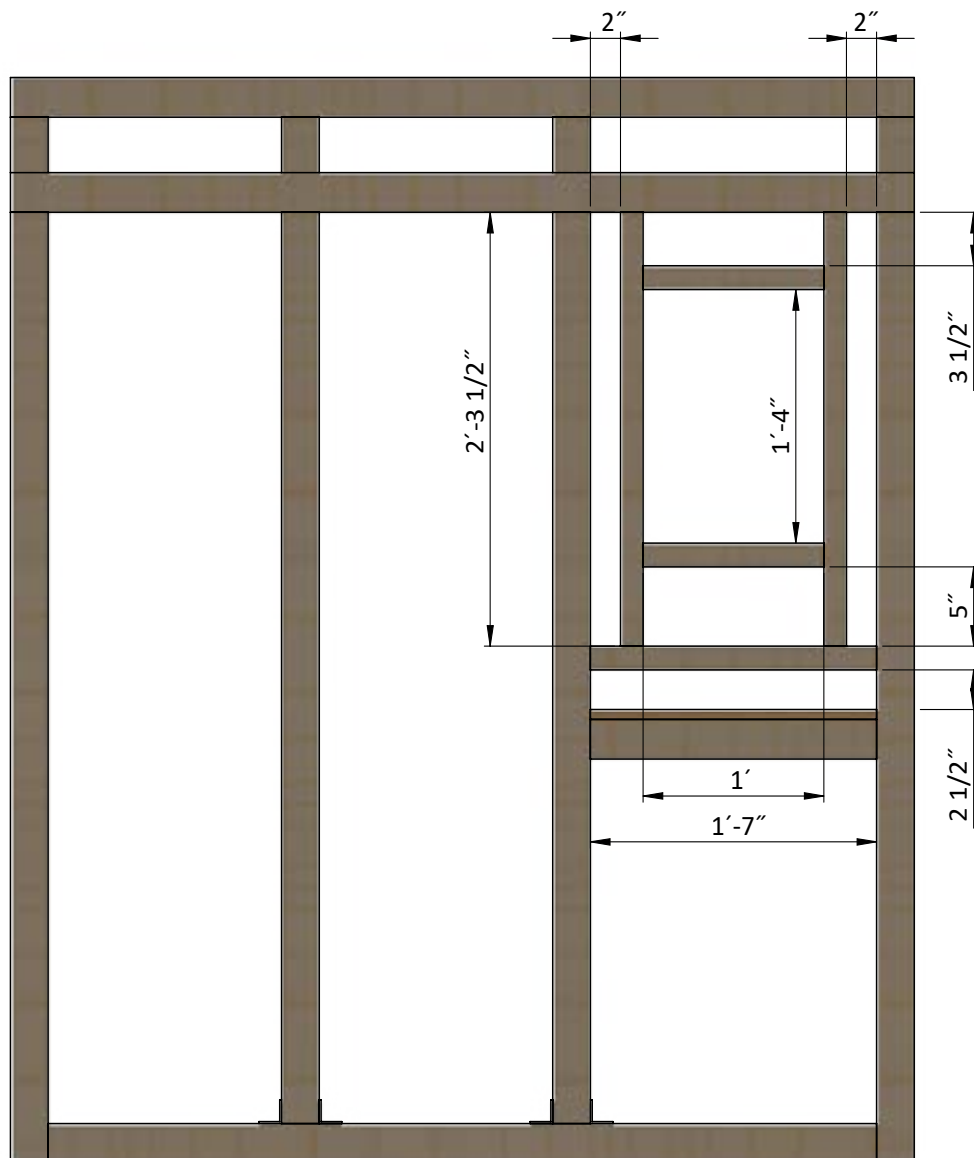
## STEP 3

### Assemble Back Side Wall Frame

**3.1** Using 1 1/2" x 2 1/2" pressure-treated lumber, construct back side wall frame using the drawing below as a reference. You will need two boards cut to 2'-3 1/2" that will be studs, two boards cut to 1' that will be the window header and rough sill and one board cut to 1'-7" that will be bottom plate.

**3.2** Connect the beams with 2x3" wood screws.

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



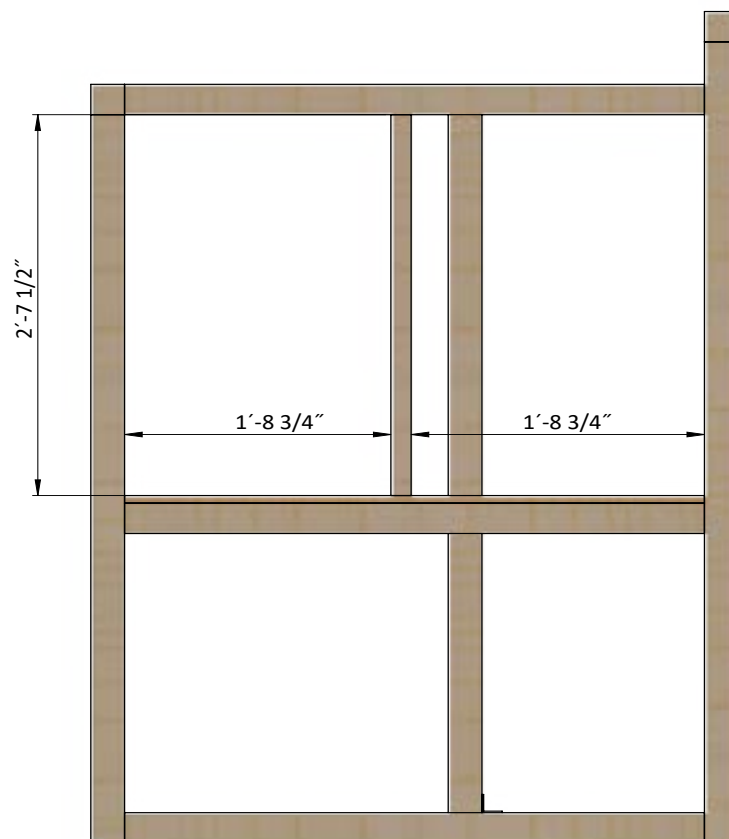
## STEP 4

### Assemble Left Side Wall Frame

**4.1** Using 1 1/2" x 2 1/2" pressure-treated lumber, construct left side wall frame using the drawing below as a reference. You will need one board cut to 2'-7 1/2" that will be stud.

**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°.



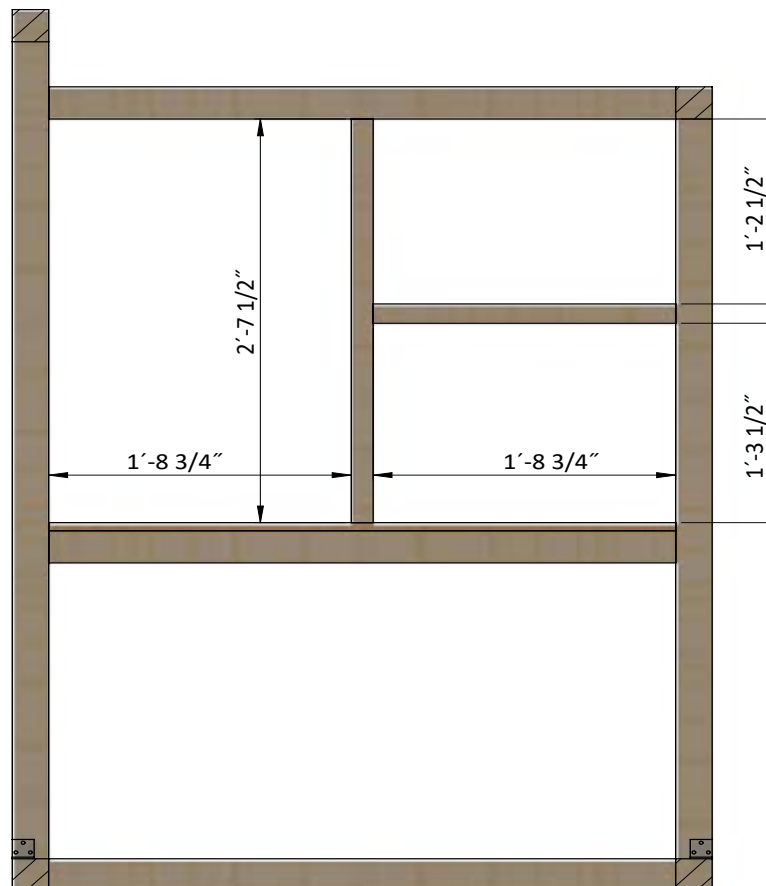
## STEP 5

### Assemble Right Side Wall Frame

5.1 Using 1 1/2" x 2 1/2" pressure-treated lumber, construct right side wall frame using the drawing below as a reference. You will need one board cut to 2'-7 1/2" that will be stud and one board cut to 1'-8 3/4" that will be chicken door header.

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°.



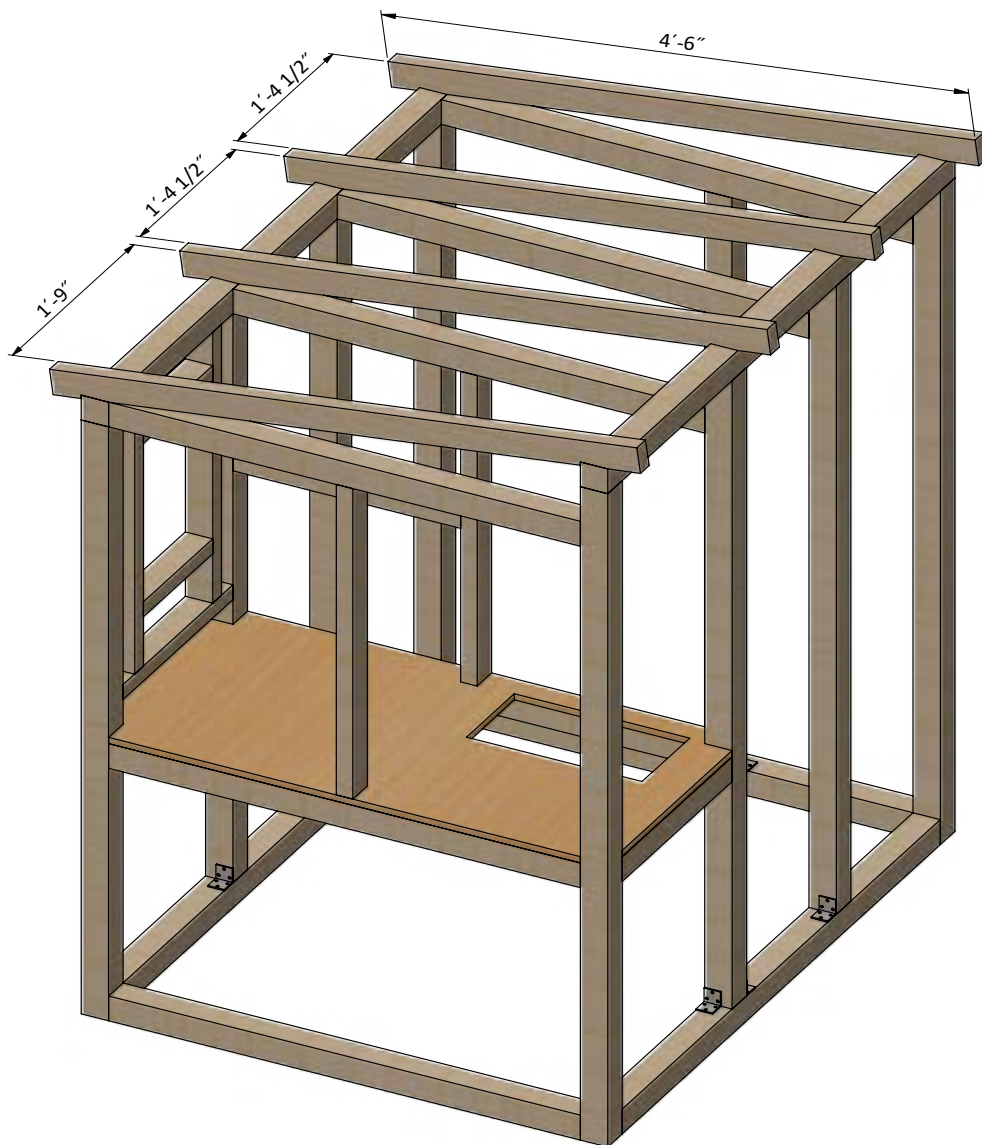


## STEP 6

### Assemble the Roof Frame

6.1 Using 1 1/2" x 2 1/2" pressure-treated lumber, cut four rafters 4'-6" long according to the dimensions in drawings below.

6.2 Connect the beams with 3" wood screws.



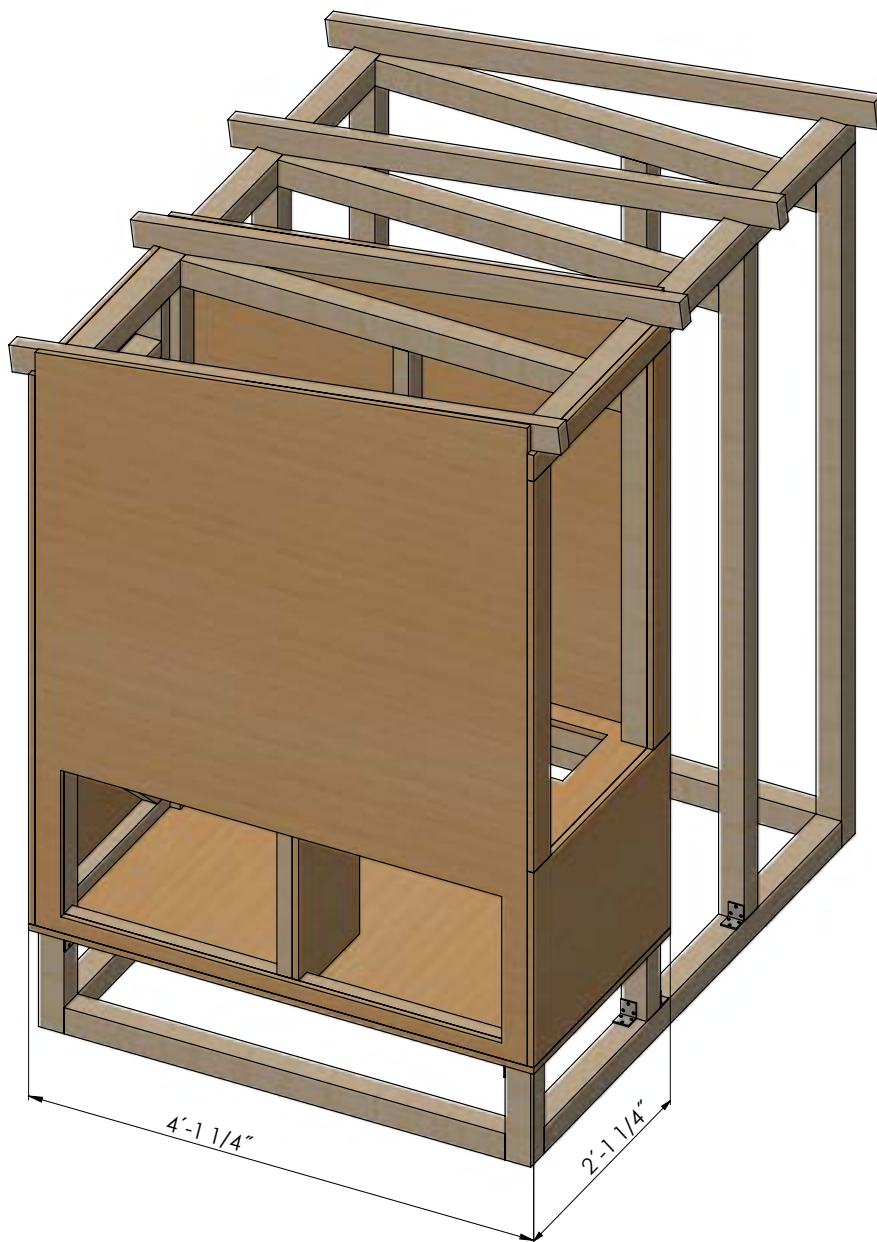
## STEP 7

### Install Plywood for the Nesting Box

**7.1** Cut sheet of 5/8" plywood for the nesting box sheathing using the drawing below as a guide. You will need one 2'-1 1/4" x 4'-1 1/4" sheet for the bottom and one 11 1/4" x 1'-5" sheet for inner partition.

**7.2** Secure the plywood with 2" wood screws.

**7.3** Install four 1 1/2" x 1 1/2" corner brackets with help of 1" screws.



## STEP 8

### Assemble and Install Front Door

**8.1** Build the door frame using  $3/4'' \times 2\ 1/2''$  pressure-treated lumber and secure with 5'' wood screws. You will need two boards cut to  $3'-1\ 1/4''$  that will be the vertical girts, two boards cut to  $1'-1\ 3/4''$  that will be the horizontal girts and one board cut to  $2'-11''$  that will be cross brace.

**8.2** Prepare the  $5/8''$  plywood sheet with dimensions  $1'-6\ 3/4'' \times 3'-1\ 1/4''$  for the door according to the drawing.

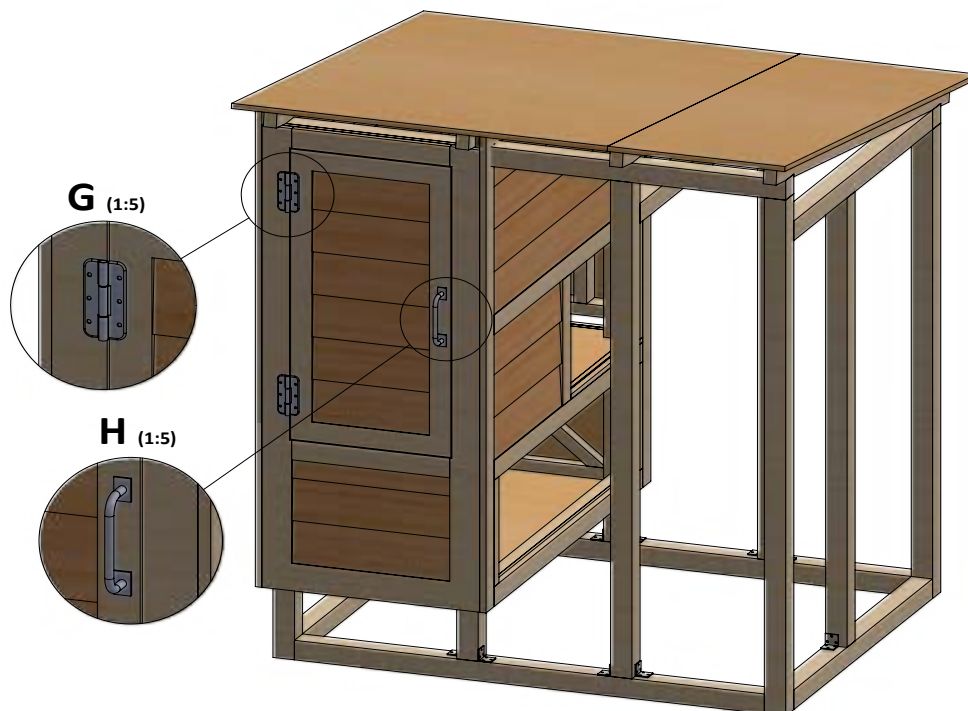
**8.3** Use  $3/4'' \times 2\ 1/2''$  pressure-treated lumber for the door trim and fasten with 2'' wood screws. You will need two boards cut to  $1'-1\ 3/4''$  and two boards cut to  $3'-1\ 1/4''$ .

**8.4** Using  $1/4'' \times 3/4''$  pressure-treated lumber, cut and install a starter course  $1'-1\ 3/4''$  long using node E on page 32 as a reference.

**8.5** For the exterior siding on the door, use  $1/2'' \times 6''$  wood siding boards and the illustration below as a reference.

**8.6** Assemble siding shields with 2'' galvanized nails.

**8.7** Install two 5'' door hinges using  $6 \times 1''$  wood screws. Finish the doors installation by attaching 8'' door pull (see nodes **G, H**).



## STEP 9

### Assemble and Install Window

**9.1** 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 two boards cut to 11 1/2" that will be the horizontal girts and two boards cut to 1'-3 1/2" that will be the vertical girts. Cut the recesses in each beam for splicing connection and mill a recess for the glass.

**9.2** Prepare and install 9 1/4" x 1'-1 1/4" glass into inner frame groove and fasten it by window beading from four sides. Use 1/2" galvanized nails.

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



## STEP 10

### Coop's Roof Sheathing Installation

**10.1** You will need 28 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 The Litter Tray

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

**11.2** Connect the beams and plywood with  $2''$  wood screws.



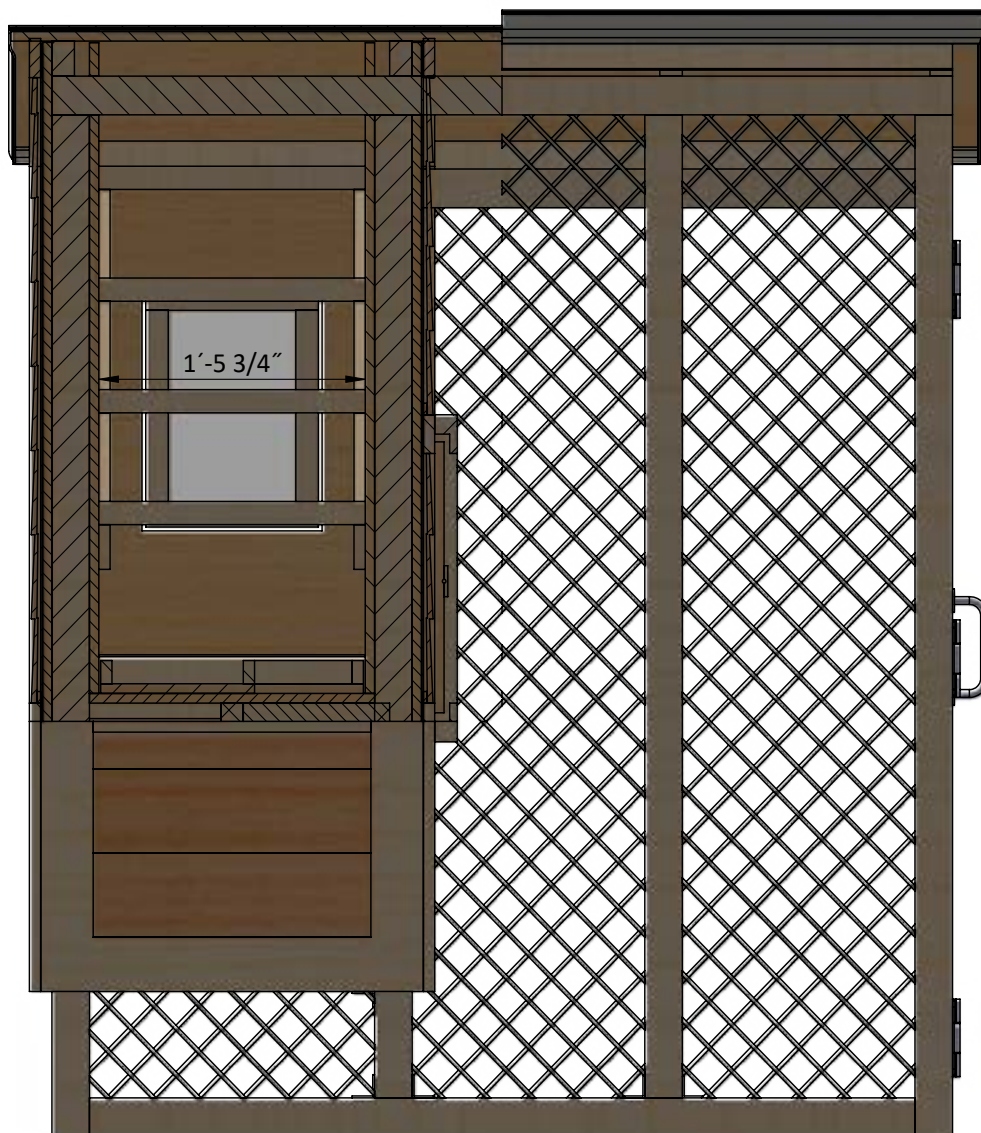
## STEP 12

### Assemble The Roost

**12.1** Assemble the roost using 1 1/2" x 1 1/2" and 3/4" x 2 1/2" pressure-treated lumber. You will need two boards cut to 3'-10 1/4" and four boards cut to 1'-5 3/4".

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

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



## STEP 13

### Assemble The Chicken Ladder

**13.1** Assemble the ladder using  $3/4'' \times 3/4''$ ,  $3/4'' \times 1\ 1/2''$ ,  $3/4'' \times 4\ 1/2''$  and  $3/4'' \times 5\ 1/2''$  pressure-treated lumber. You will need one board cut to 1', one board cut to  $9\ 3/4''$ , two boards cut to  $3'-2''$ , two boards cut to  $2'-4''$ , three boards cut to 9" and four boards cut to 11".

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

**13.3** Install the ladder at the studs and coop with the help of 2" screws.





## STEP 14

### 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	19	60
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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