



# 6' x 12' Chicken Coop Plan

Up to 12 chickens



# **Compare Free vs. Premium plan**

	Free plan	Premium edition
Pages	19	45
Illustrations for Each Step	<b></b>	<b></b>
Print Ready	<ul> <li>Image: A start of the start of</li></ul>	$\checkmark$
Step By Step Instructions	<b></b>	<b></b>
Full Materials and Cuttings List	8	<ul> <li>Image: A start of the start of</li></ul>
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Tools List	$\mathbf{x}$	<b></b>
Fastening Elements List	8	<b></b>
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TRY PREMIUM

## 6'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

### **Assemble the Main Frame**

**1.1** Using 3  $1/2" \times 3 1/2"$  pressure-treated lumber, construct main frame using the drawing below as a reference. You will need two boards cut to 12' that will be the top plates, five boards cut to 5'-5" that will be the bottom plates, three boards cut to 5'-5" that will be the top plates, two boards cut to 5'-8 1/2" that will be the bottom plates and six boards cut to 6'-1 1/2" that will be the studs.

**1.2** Use 4 1/2" x 4 1/2" x 1/2" corner braces and 8x1" wood screws to secure the corners (node A on page 14). Connect the beams with and 2x5" wood screws.

**1.3** Cut the recess for the chicken door in the inner bottom beam using the drawing on page 14 as a reference.



### **Assemble Left Wall Frame**

**2.1** Using 1 1/2" x 3 1/2" pressure-treated lumber, construct wall frame using the drawing below as a reference. You will need four boards cut to 6'-1 1/2" that will be the studs, one board cut to 2'-8" that will be the door header.

2.2 Connect the beams with 3" and 5" wood screws.



### **Assemble Front Wall Frame**

**3.1** Using 1  $1/2" \times 3 1/2"$  pressure-treated lumber, construct wall frame using the drawing below as a reference. You will need two boards cut to 4" that will be the cripple studs, three boards cut to 2'- 8 1/2" that will be the studs, two boards cut to 2'-10" that will be the window header and rough sill and four boards cut to 6'-1 1/2" that will be the studs.

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



### **Assemble Inner Wall Frame**

**4.1** Using  $1 \frac{1}{2} \times 3 \frac{1}{2}$  pressure-treated lumber, construct wall frame using the drawing below as a reference. You will need four boards cut to 6'-1  $\frac{1}{2}$  that will be the studs.

**4.2** Connect the beams with 2x5" wood screws.



### **Assemble Back Wall Frame**

**5.1** Using  $1 \frac{1}{2} \times 3 \frac{1}{2}$  pressure-treated lumber, construct wall frame using the drawing below as a reference. You will need three boards cut to  $6'-1 \frac{1}{2}$  that will be the studs.

**5.2** Connect the beams with 2x5" wood screws.



### **Assemble Right Wall Frame**

**6.1** Using 3 1/2" x 3 1/2" pressure-treated lumber, construct wall frame using the drawing below as a reference. You will need two boards cut to 6'-1 1/2" that will be the studs.

**6.2** Connect the beams with 4x5" wood screws.



### **Assemble the Roof Frame**

**7.1** Using 1 1/2" x 5 1/2" pressure-treated lumber, cut eighteen rafters 4'-1 1/4" long according to the dimensions.

- **7.2** Using 1 1/2" x 3 1/2" pressure-treated lumber, cut six collar ties 4' long.
- **7.3** Using 3/4" x 7 1/4" pressure-treated board, cut the ridge board 12' long according the illustration below.
- **7.4** Connect the beams with 2x3" wood screws.



# Install Plywood for the Floor

**8.1** Cut sheets of 5/8" plywood for the floor sheathing using the drawing below as a guide. You will need one  $5'-5" \times 3'-3 3/4"$  sheet and one  $5'-5" \times 3'-2 1/4"$  sheet.

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



### Assemble and Install Coop's Door

**9.1** Build the door frame for the coop using  $1 \frac{1}{2} \times 3 \frac{1}{2}$  pressure-treated lumber and secure with 5" wood screws. You will need two boards cut to 5'- 4  $\frac{3}{4}$ " that will be the vertical girts, two boards cut to 2'-7  $\frac{3}{4}$ " that will be the horizontal girts, one board cut to 2'- $\frac{3}{4}$ " that will be middle girt and two boards cut to 3'-3  $\frac{1}{4}$ " that will be a cross braces.

**9.2** Use  $3/4" \ge 1/2"$  pressure-treated lumber for the door trims and fasten with 2" wood screws. You will need two boards cut to 2'-2 3/4" and two boards cut to 5'-11 3/4".

9.3 Using 1/4" x 3/4" pressure-treated lumber, cut and install a starter course 2'-2 3/4" long.

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

9.5 Assemble siding shields with 2" galvanized nails.

**9.6** Install three 3" door hinges using 6x1" wood screws. Finish the doors installation by attaching 4" surface bolt and 6" door pull (see nodes L, M).



L (1:10)



**M** (1:10)



### Window Installation for the Front Wall

**10.1** Using  $1 \frac{1}{2} \times 2 \frac{1}{2}$  pressure-treated lumber, assemble the outer frame for the window as shown in the drawing below. You will need two boards cut to 2'-7" that will be the vertical girts and two boards cut to 2'-10" that will be the horizontal girts.

**10.2** Use  $3/4" \ge 1/4"$  pressure-treated material to make the inner frame supports and secure with 3" wood screws. You will need two boards cut to 2'-7" and mill a recess for interconnection.

**10.3** Prepare and install glass into inner frame groove and fasten it by window beading from four sides. Use 1/2" galvanized nails.



# **Aviary's Mesh Wall Installation**

**11.1** Cover the walls with 1/4" wire mesh with the help of industrial stapler. You will need 85 sq ft.



#### STEP 12

# **Roof Sheathing Installation**

- **12.1** You will need 110 sq ft of asphalt shingle roofing.
- **12.2** Add the metal drip edge to the fascias.
- **12.3** Cover the plywood with building paper.
- **12.4** Install asphalt shingle roofing using an industrial stapler.



## **Nesting Box Assembly**

**13.1** Prepare the 5/8" plywood for horizontal and vertical walls and assembly them with 2" wood screws. You will need six 1' x 10 1/4" sheets that will be the shelves, seven 2'-1/2" x 1' sheets that will be vertical partitions (see node U on page 41), one 5'-5" x 1' sheet that will be bottom plate, one 5'-5" x 5" sheet that will be top plate and one 2'-1 3/4" x 5'-5" that will be backside plate.

**13.2** Use 3/4" x 3/4" pressure-treated lumber and 1" wood screws for securing the shelves with partitions.





# **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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