8'x15' Chicken Coop Plan

Up to 8 chickens

Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	21	50
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'x15' 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

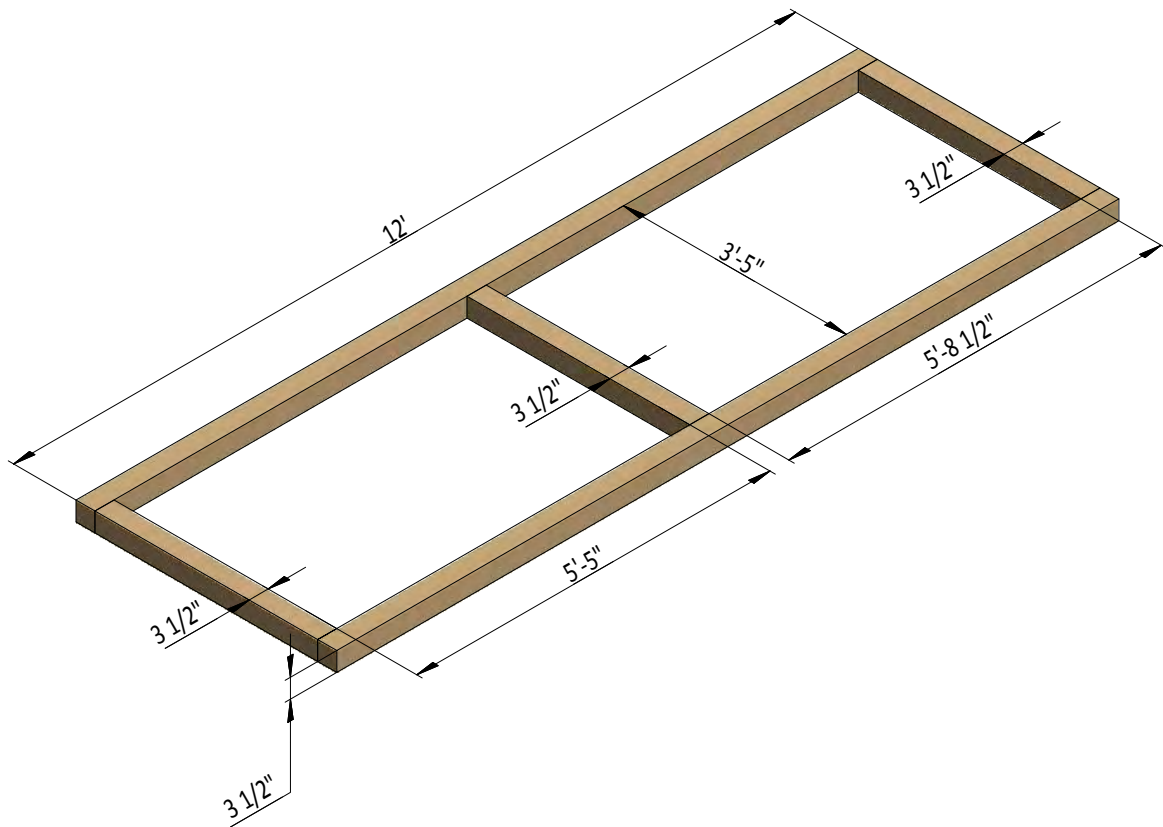- Corner braces
- Galvanized nails
- Wood screws

Assemble The Bottom Frame

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

1.2 Secure the beams into the frame with 2x5" wood screws.

1.3 Using a speed square or carpenter's square, check the corners to make sure they are 90 degrees.
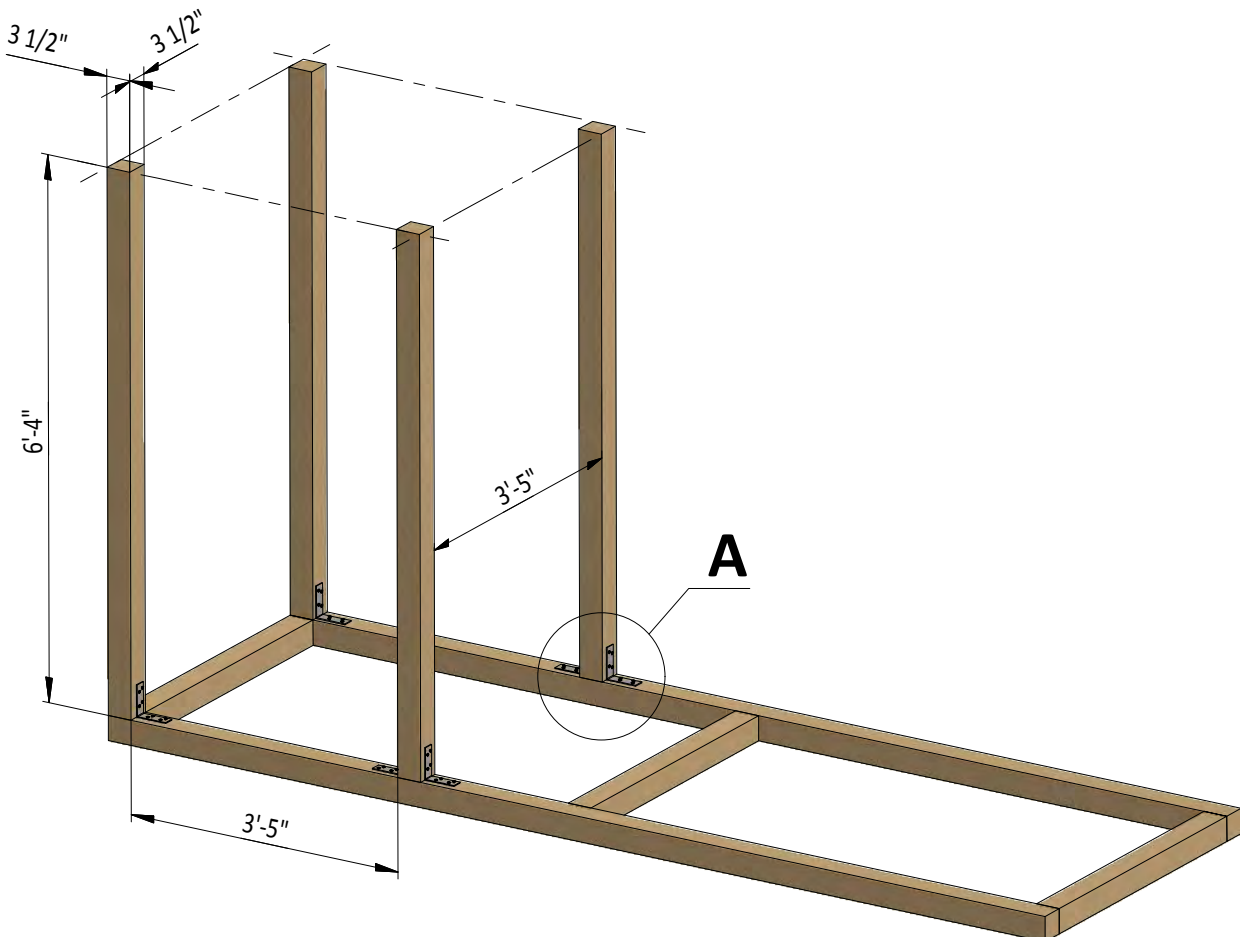
12'

3 1/2"

3'-5"

5'-8 1/2"

3 1/2"

3 1/2"

5'-5"

3 1/2"

Assemble The Coop's Studs

2.1 Using 3 1/2" x 3 1/2" pressure-treated material, cut four studs and assemble using the illustrations below as a reference.

2.2 Use 4 1/2 " x 4 1/2 " x 1/2 " corner braces and 8x1" wood screws to secure the corners (node **A**).
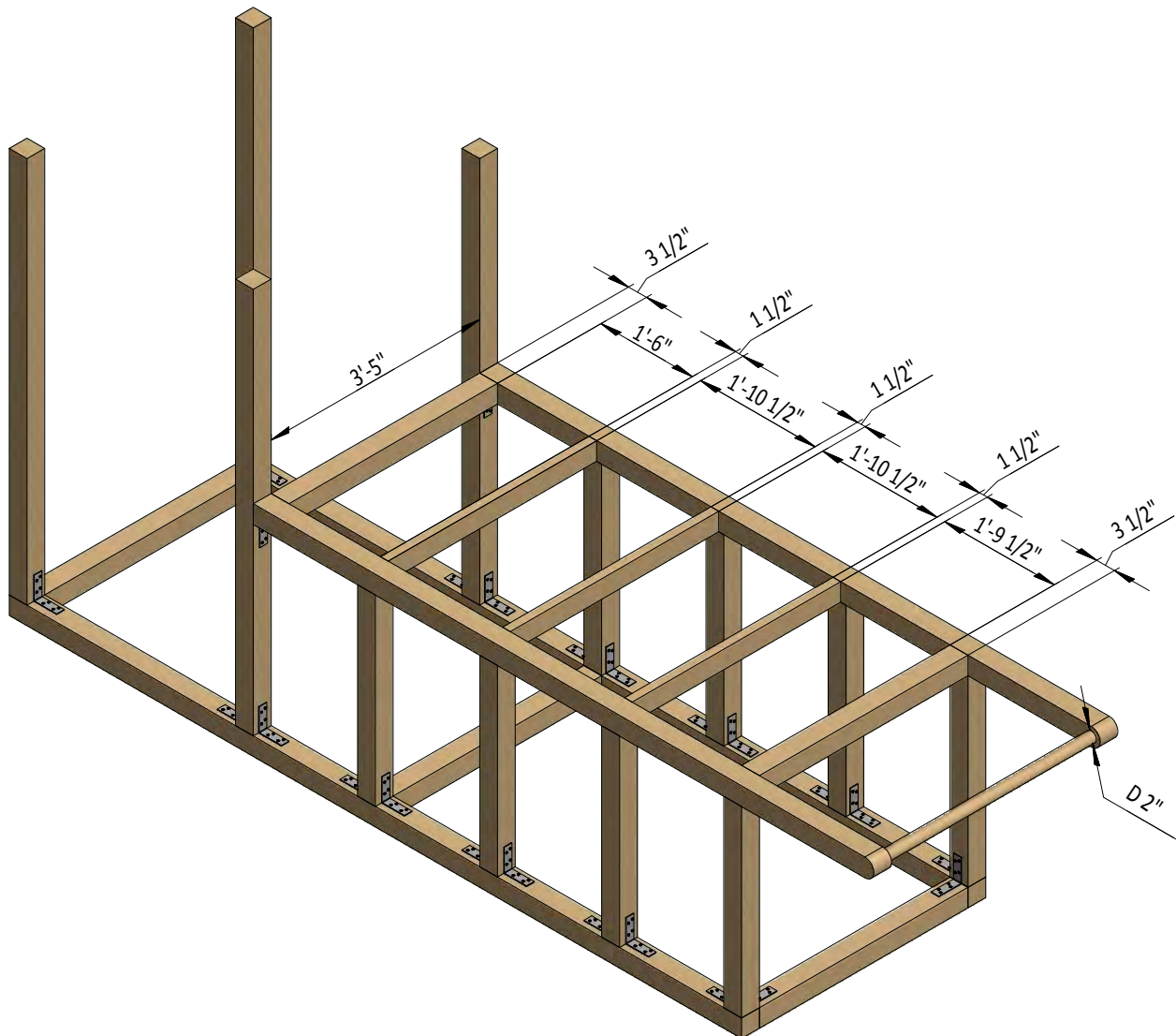
2.3 Make sure the corners are 90 degrees using a carpenter's square or speed square.

Assemble The Aviary's Top Frame Joists

3.1 Provide the top frame joists using 3 1/2" x 3 1/2" and 1 1/2" x 3 1/2"pressure-treated material.

3.2 Make the round handle from the dowel 2" diameter and put it in round opening.

3.3 Secure the joists to the top frame with 4x5" wood screws.

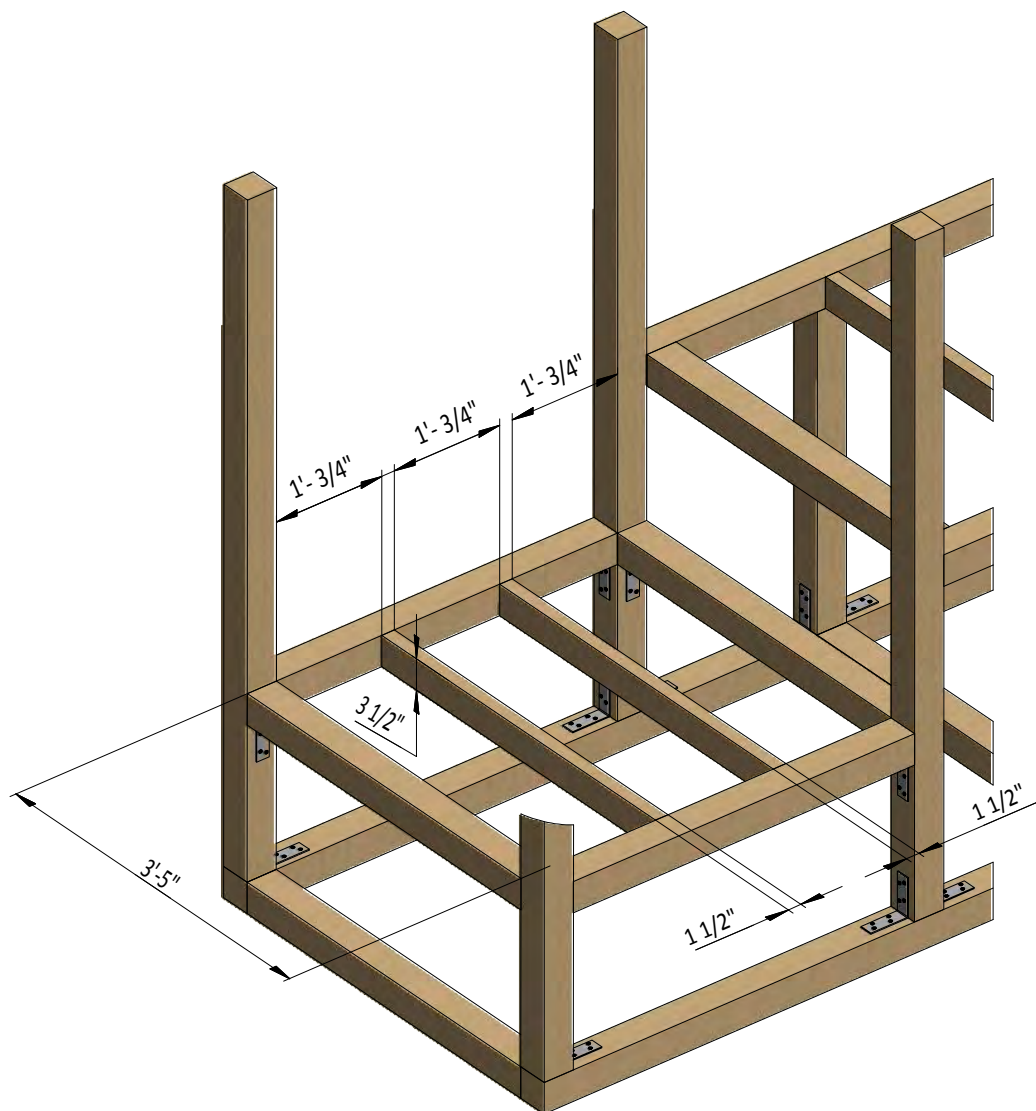**3.4** Using a speed square or carpenter's square, check the corners to make sure they are 90 degrees.

Framing The Floor

4.1 Using 1 1/2 " x 3 1/2 " pressure-treated material, cut three joist using the illustration below as a reference.
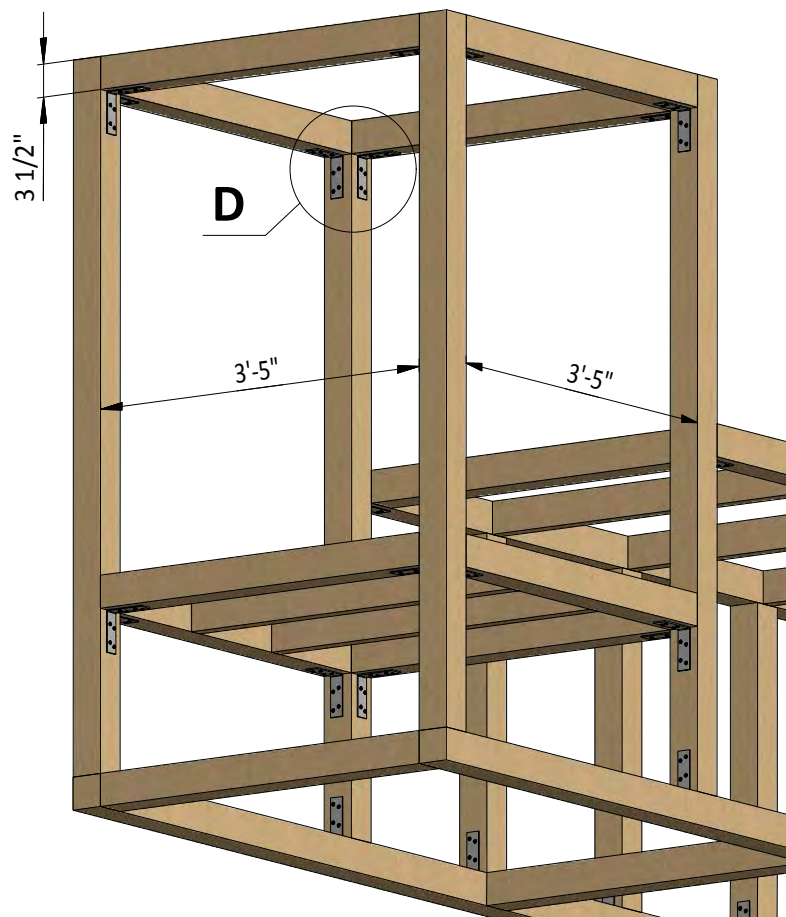
4.2 Secure the joists to the bottom frame with 4x5" wood screws.

Assemble The Coop's Top Frame

5.1 Using 3 1/2" x 3 1/2" pressure-treated material, cut four joist and assemble using the illustrations below as a reference.

5.2 Use 4 1/2 " x 4 1/2 " x 1/2 " corner braces and 1" wood screws to secure the corners (node **D**).

5.3 Make sure the corners are 90 degrees using a carpenter's square or speed square.
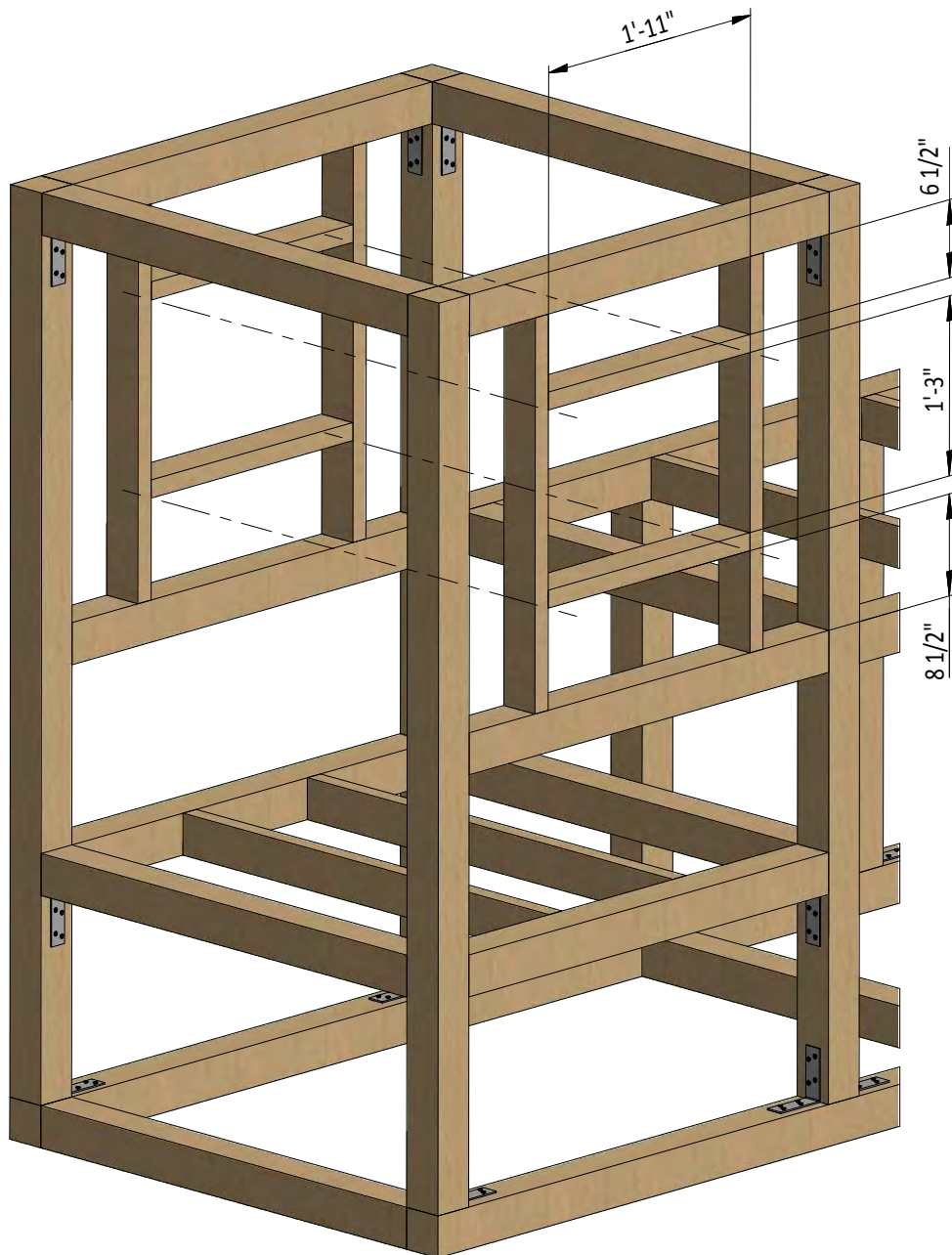
Framing The Left And Right Walls

6.1 Using 1 1/2 " x 3 1/2 " pressure-treated material, cut rough sills, window headers and attach them using the illustration below as a reference.

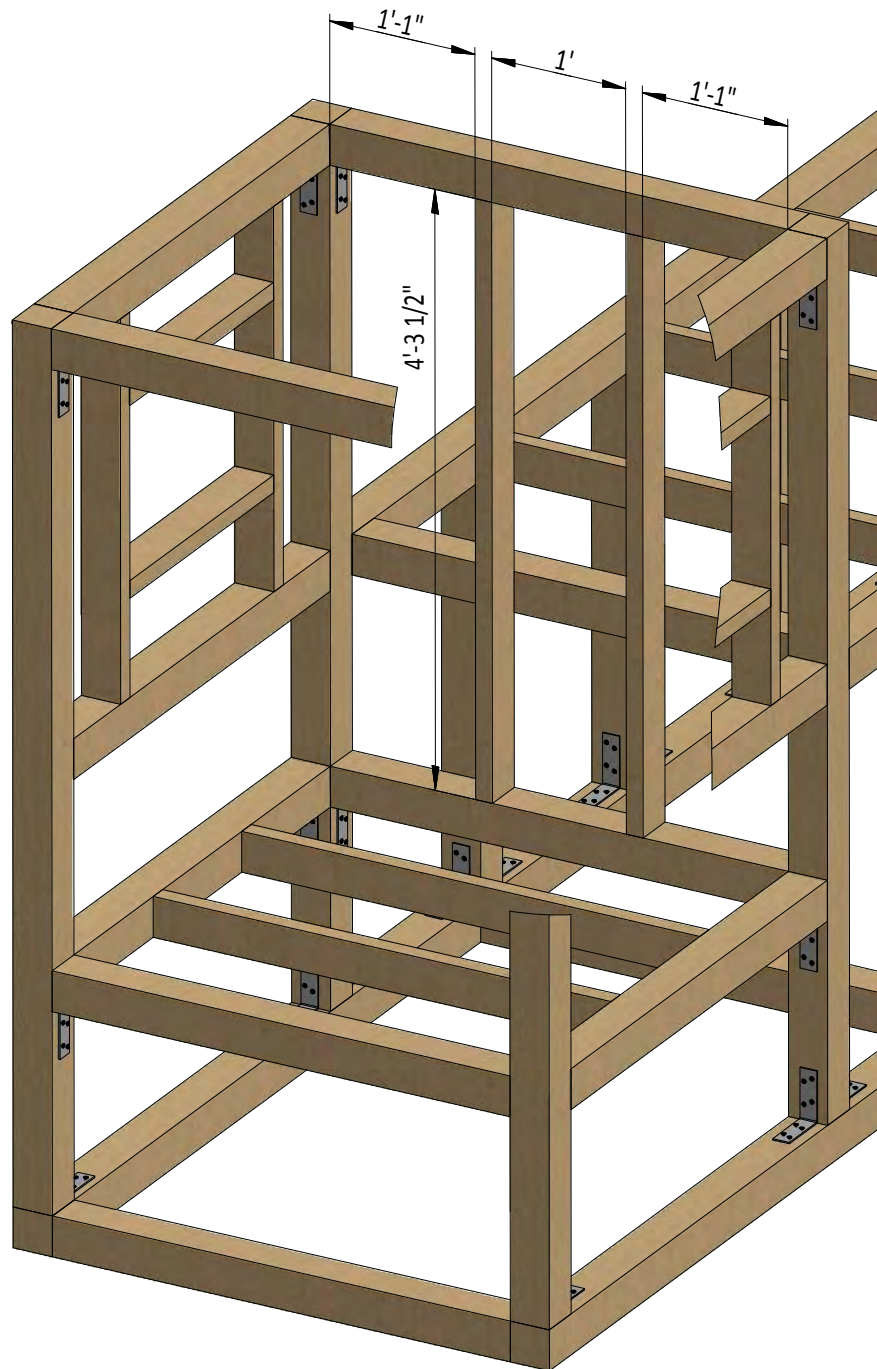**6.2** Secure the stud with 4x5" wood screws.

Framing The Back Wall

7.1 Using 1 1/2 " x 3 1/2 " pressure-treated material, cut two studs and attach it using the illustration below as a reference.
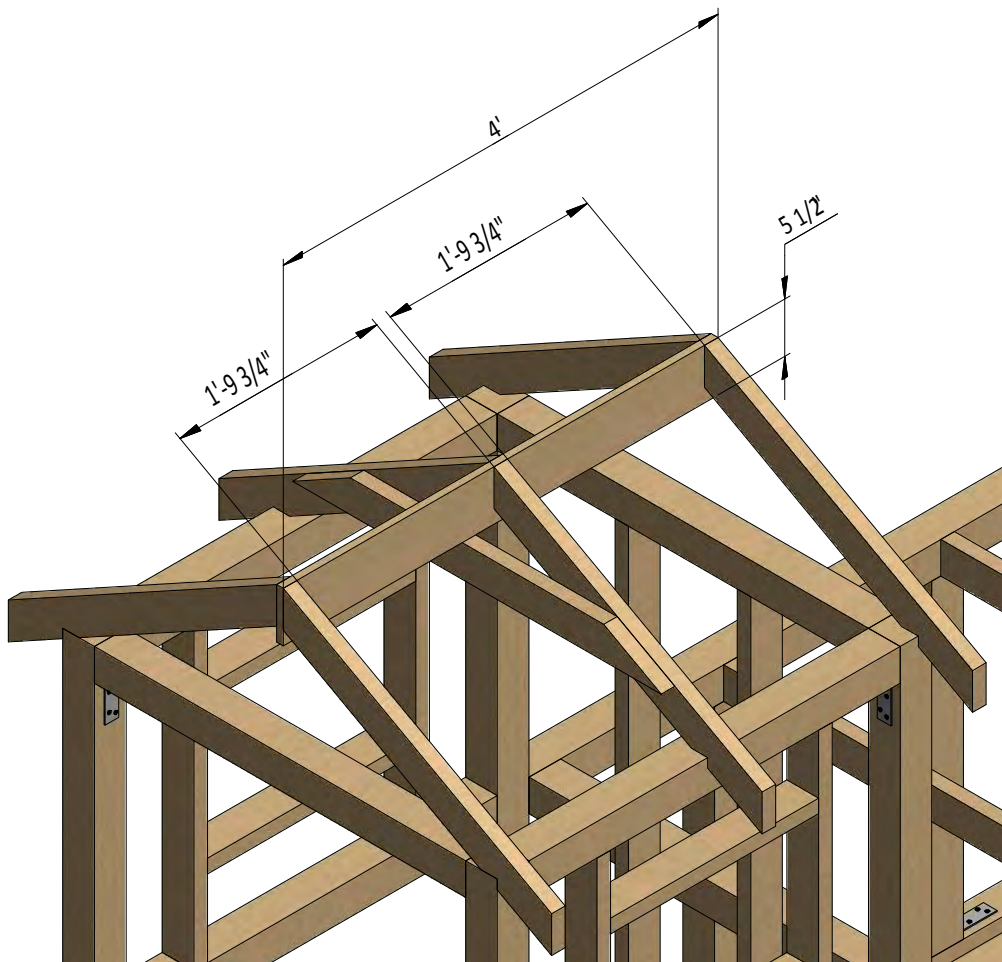
7.2 Secure the stud with 4x5" wood screws.

Assemble The Roof Frame

8.1 Use 1 1/2 " x 3 1/2 " material to create six rafters for coop.

8.2 Use 1 1/2 " x 3 1/2 " material to create collar tie for coop .

8.3 Use 3/4 " x 5 1/2 " material to create the ridge board.

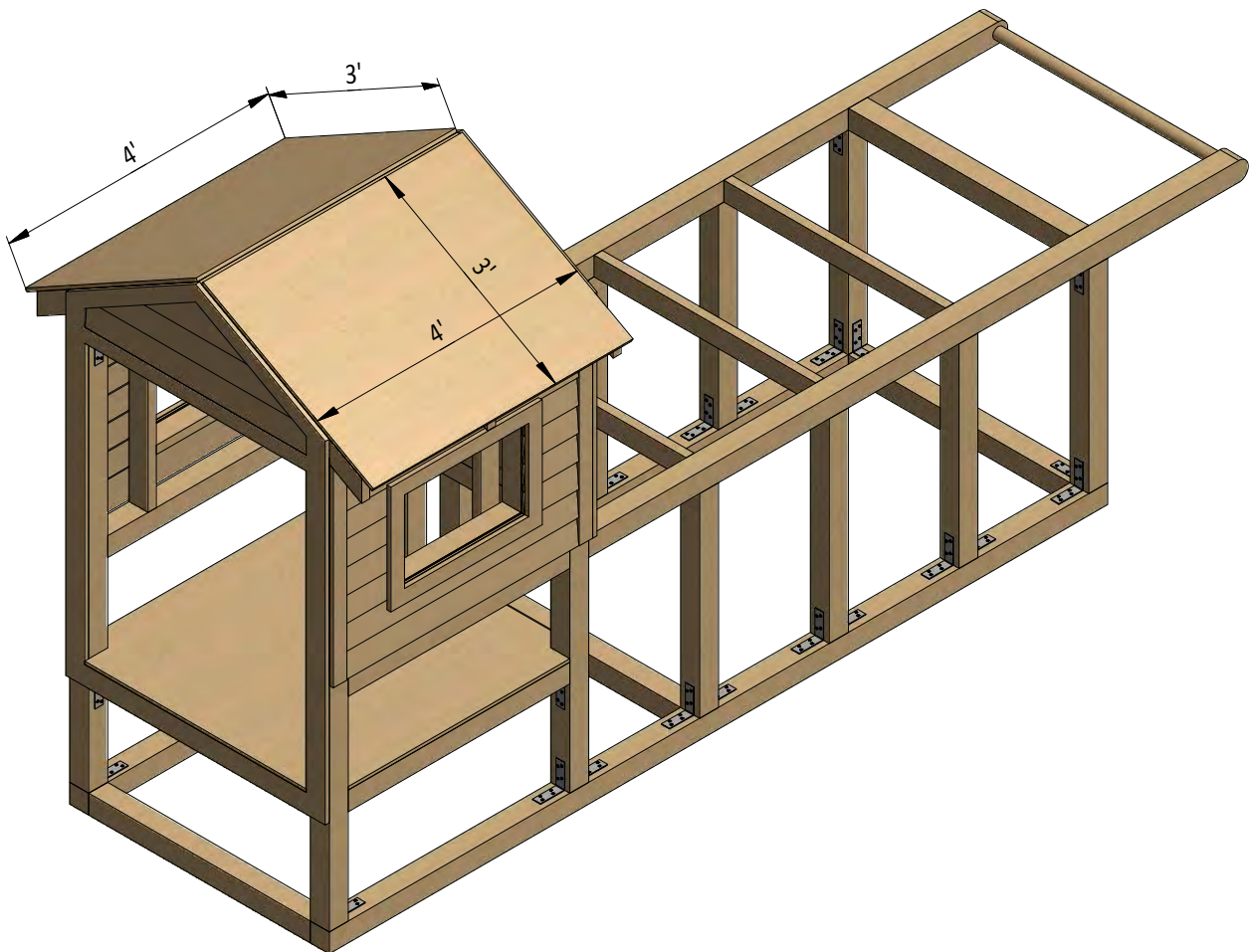**8.4** Connect the beams with 2x3" wood screws and assemble the roof frame.

Install the Roof Sheathing

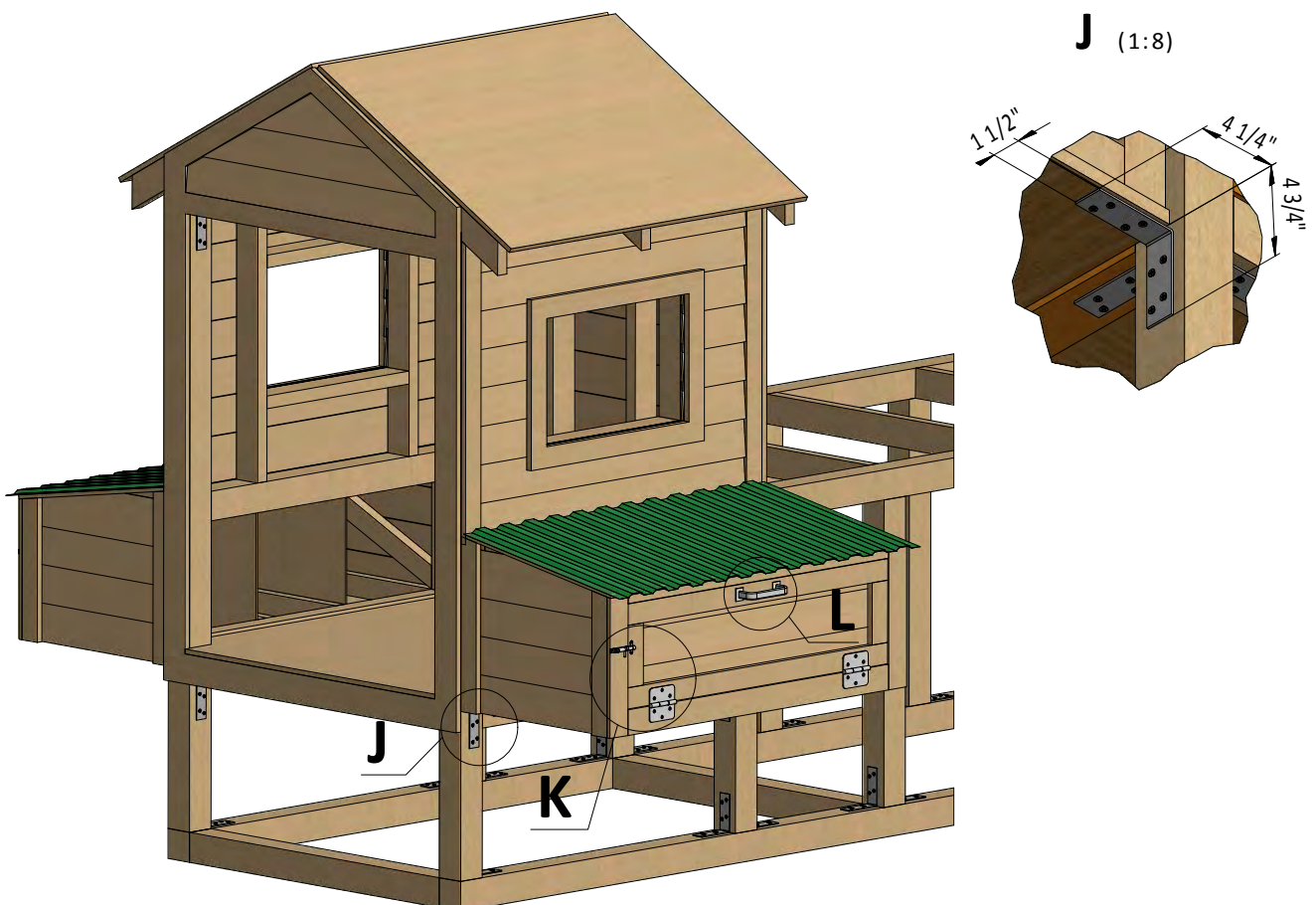**9.1** Cut sheets of 9/16" plywood for sheathing the roof using the drawing below as a guide.

9.2 Secure the plywood with 2" wood screws.

Nesting Box Assemble

10.1 Using 1 1/2 " x 2 1/2 " material, assemble the frame for the nesting boxes using the illustration below as a guide. Make sure to take note of the 9 degree slope needed for the roof of the nesting boxes.

10.2 Cover the top and bottom of the nesting boxes with 9/16" plywood and secure with 2" wood screws.

10.3 Prepare and install starter courcer from the pressure-treated lumber with cross section 1/4" x 3/4". Prepare the 1/2" x 6" wood siding boards in the required amount according to the drawing. Cut the shield's top part according to the angle of rafter slope. Assemble siding shields with 2" galvanized nails to the frame beams.

10.4 Prepare wall's trims from the boards with a cross-section of 3/4" x 1"; 3/4" x 2 1/2"; 3/4" x 3". Cut the boards at the required angles along the siding contour for the framing.

10.5   Assemble the door frame using 1 1/2 " x 2 1/2 " material according to the illustration.

10.6 Install two 3" door hinges using 6x1" wood screws. Finish the door installation by attaching 4" surface bolt and 6" door pull.

10.7 Cover the roof of the nesting boxes with corrugated roof panels and secure with 1 1/2 " sheet metal screws and neoprene washers.

10.8 Install nest box assembles with the help of two corner braces and 8x1" wood screws (node **J**). Connect the box frame and coop's frame by 5" wood screws.

J (1:8)

1 1/2" 4 1/4" 4 3/4"

J

K

L

Assemble and Install Coop Doors

11.1 Assemble the two vertical frame and one horizontal frame from the pressure-treated lumber with cross section 1 1/2" x 2 1/2 " with 2x5" wood screws according to the drawing.
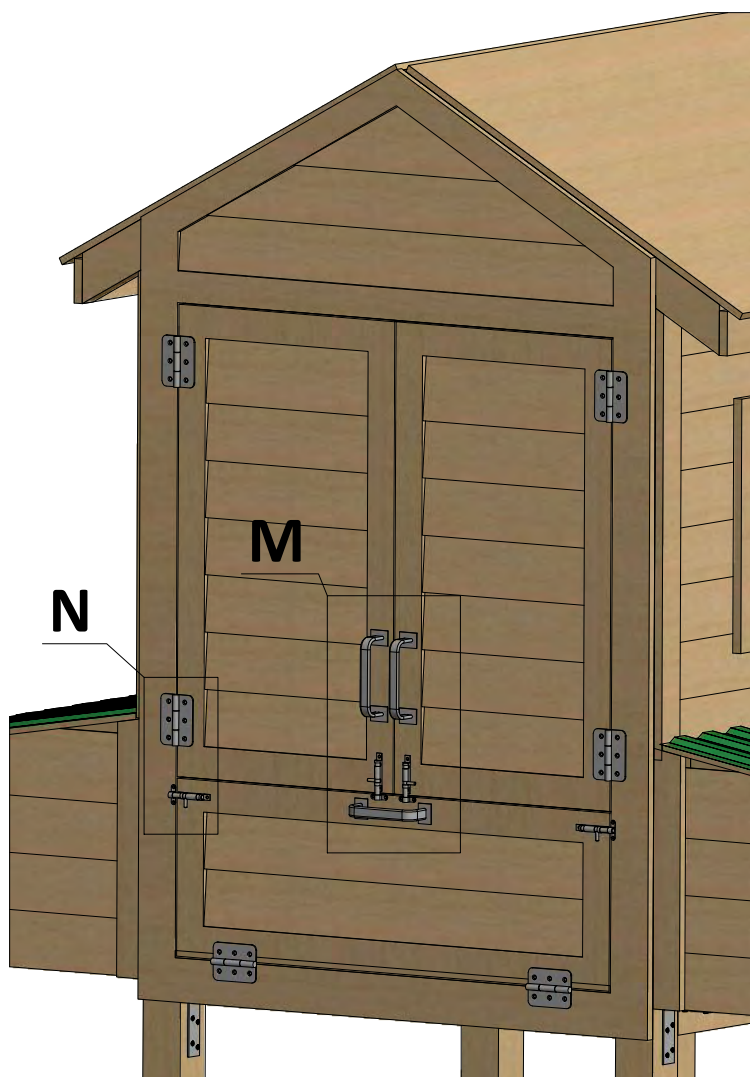
11.2 Install door trims from the pressure-treated lumber with cross section 1 1/2" x 3/4" with 2" wood screws according to the drawing.

11.3 Prepare and install starter courcer from the pressure-treated lumber with cross section 1/4" x 3/4".
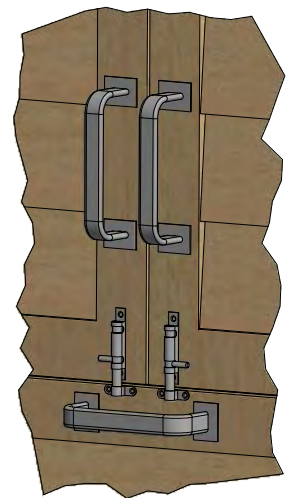
11.4 Prepare the 1/2" x 6" wood siding boards in the required amount according to the drawing.

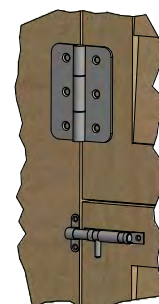**11.5** Assemble siding shields with 2" galvanized nails.

11.6 Install three 3" door hinges using 2x1" wood screws. Finish the door installation by attaching 4" surface bolt and 6" door pulls (see nodes **M, N**).

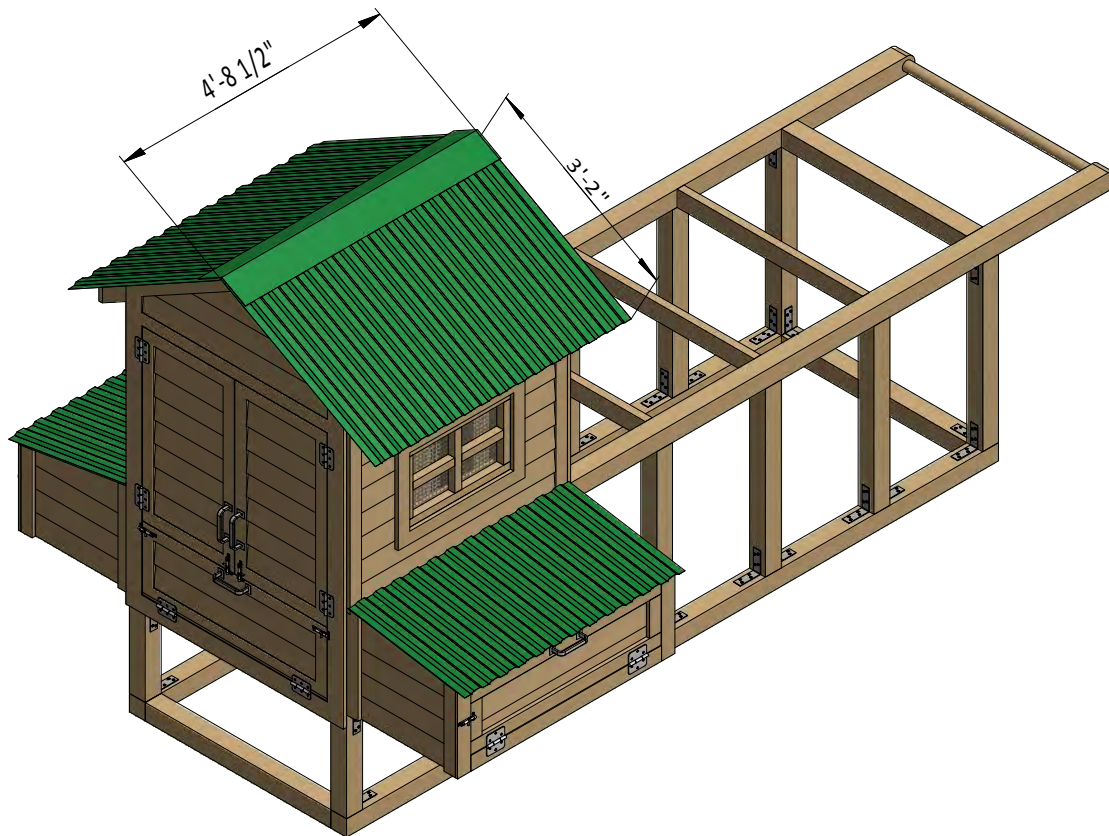**M**(1:8)

M

N

N(1:8)

Installing Corrugated Roofing

12.1 To cover the roof will need 30 ft² of corrugated roof panel.

12.2 Fasten the panels with 1 1/2" sheet metal screw with neoprene washer.

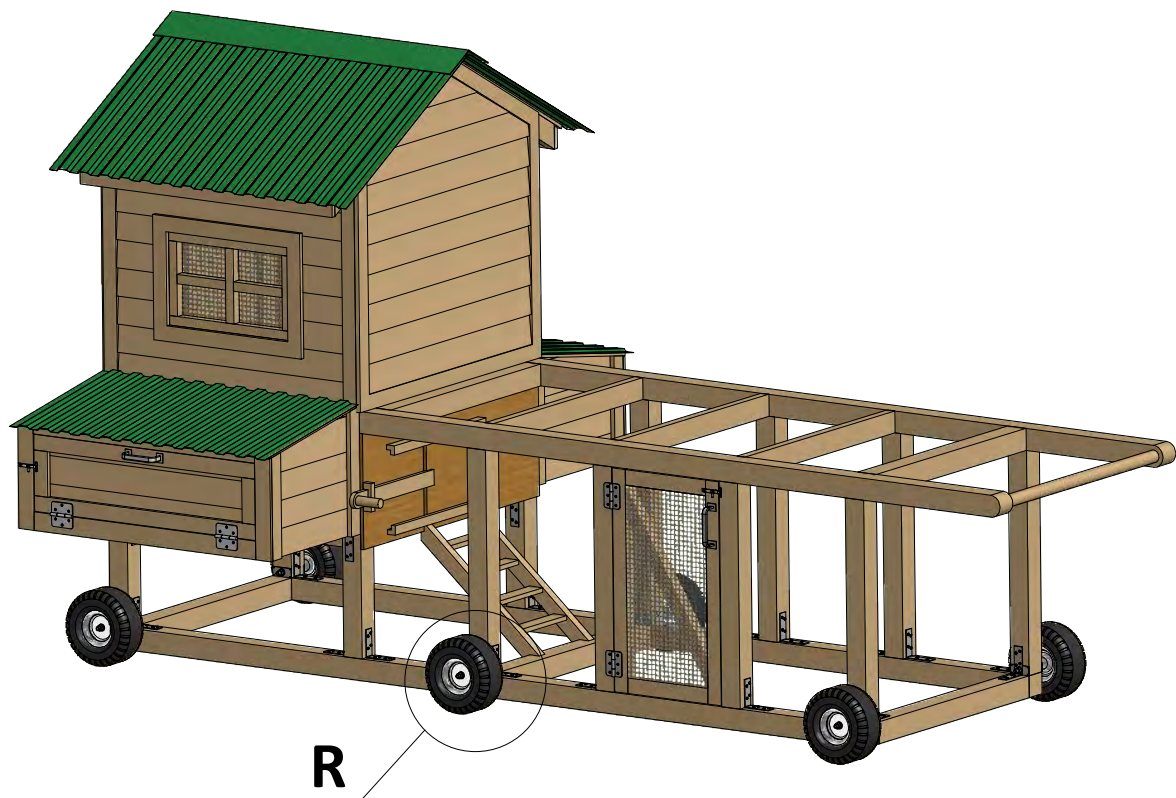**12.3** Prepare and install metal roof ridge caps according to the drawing.

Wheel Base Assemble And Installation

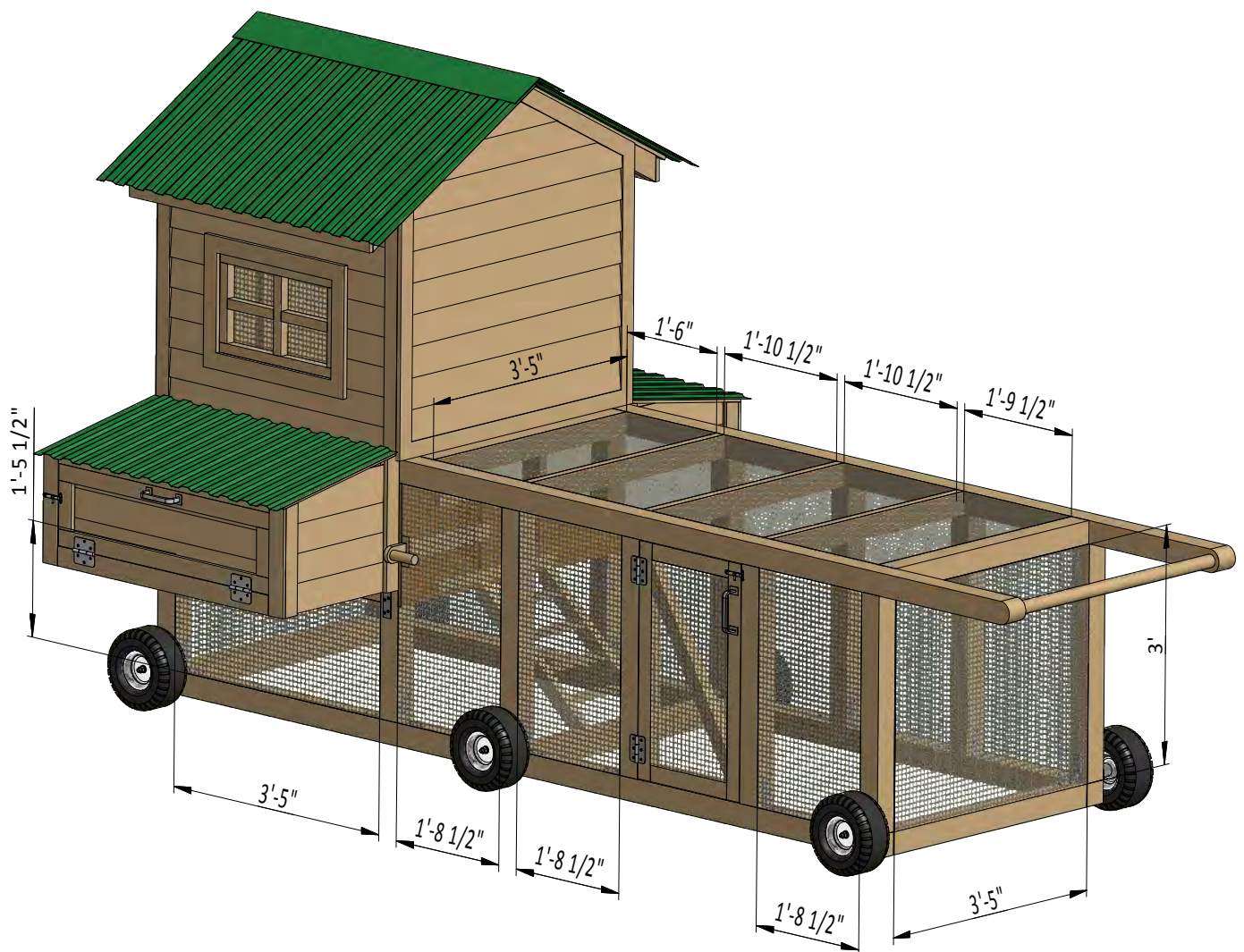**13.1** Drill six holes in studes according to the node **R**.

13.2 Insert and secure the threaded stud in the hole. Secure it with mending plates from both sides. Put on wheels and fasten them according to the diagram.

R

Aviary's Mesh Wall Installation

14.1 Prepare 1/4" wire mesh in the required quantity and install it on the inner side of the frames with the help of industrial stapler.

Roost Assembly

15.1 For the roost, use 1 1/2 " x 2 1/2 " and 1 1/2 " x 1 1/2 " pressure-treated material and the below illustration as a reference. Use 2x2" wood screws.

15.3 Fasten the stairs to the wall inside the coop with 2x2" wood screws.

3'-5"

Final touches

Don't forget to choose the desirable paint for your mood and the colors of your yard. Decorate your chicken coop by giving it unique and stylish look.

Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	21	50
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

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