Craftcamp

Free 10'x16' Chicken Coop Plan

Up to 15 chickens

Free vs. Premium Plan: What's the Difference?

We offer both free and premium versions of our detailed shed plans, designed to fit your needs and budget. Check out the table below to see the key differences and choose the plan that's right for you:

Features	Free Plan	Premium Plan
Metric measurements	X	✓
Illustrations per Step	Limited	Every Step
Print Ready Format	X	✓
Step-by-Step Instructions	Basic	Comprehensive
Full Materials & Cutting List	X	✓
Additional Illustrations	X	✓
Additional Blueprints	X	✓
Tools List	X	✓
Fastening Elements List	X	✓
Technical Support	X	✓

Try Premium Risk-Free

30-day refund policy with no questions asked.

10'x16' 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

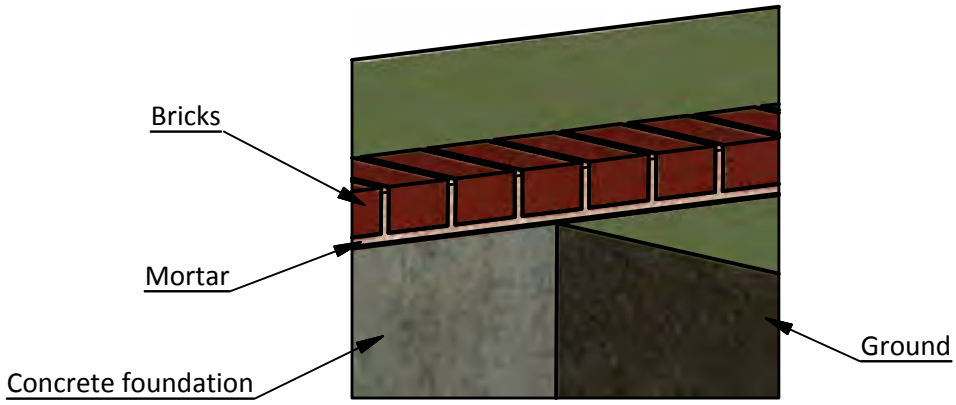
- Corner braces
- Galvanized nails
- Wood screws

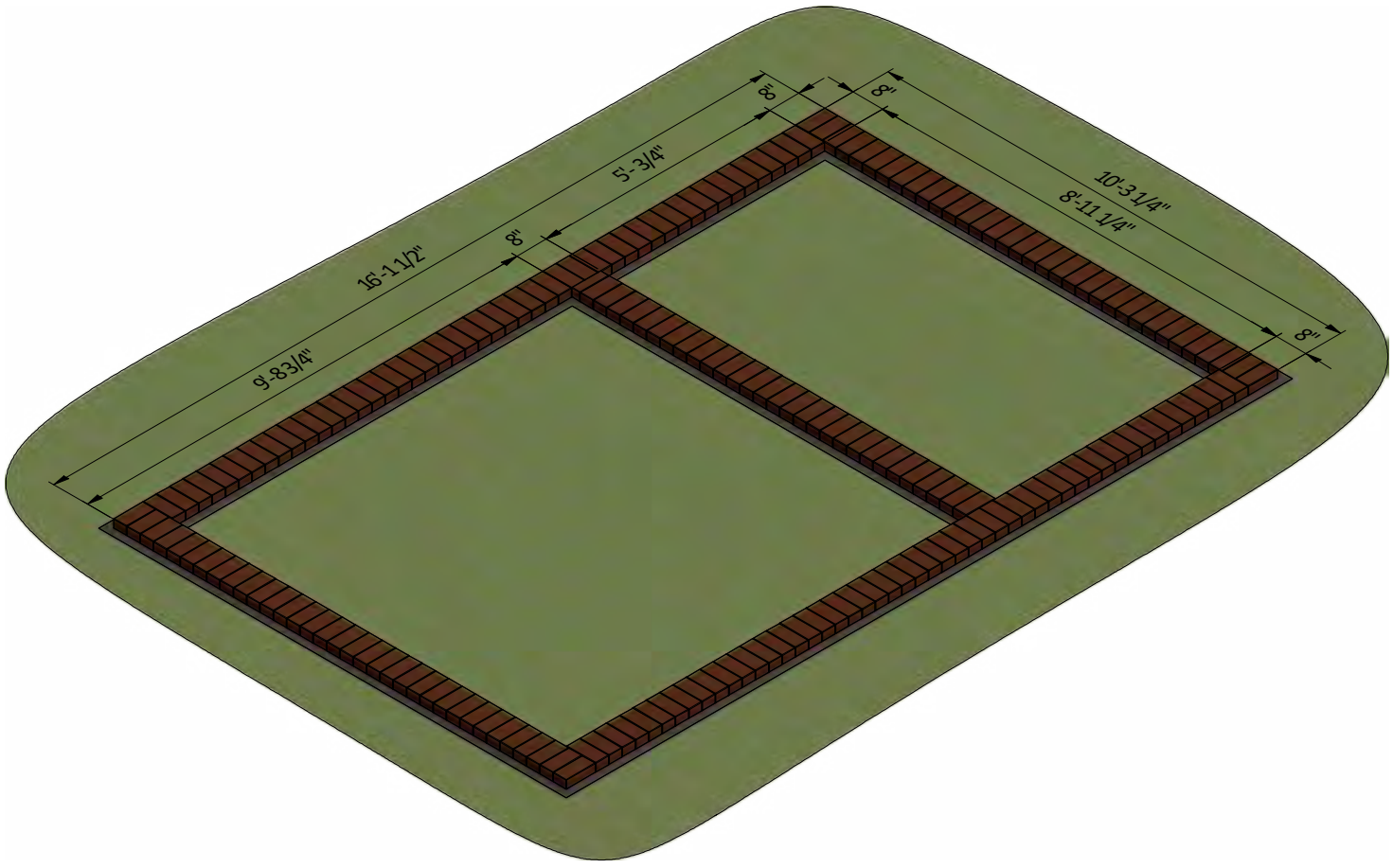
STEP 1

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 196 bricks for this step.





STEP 2

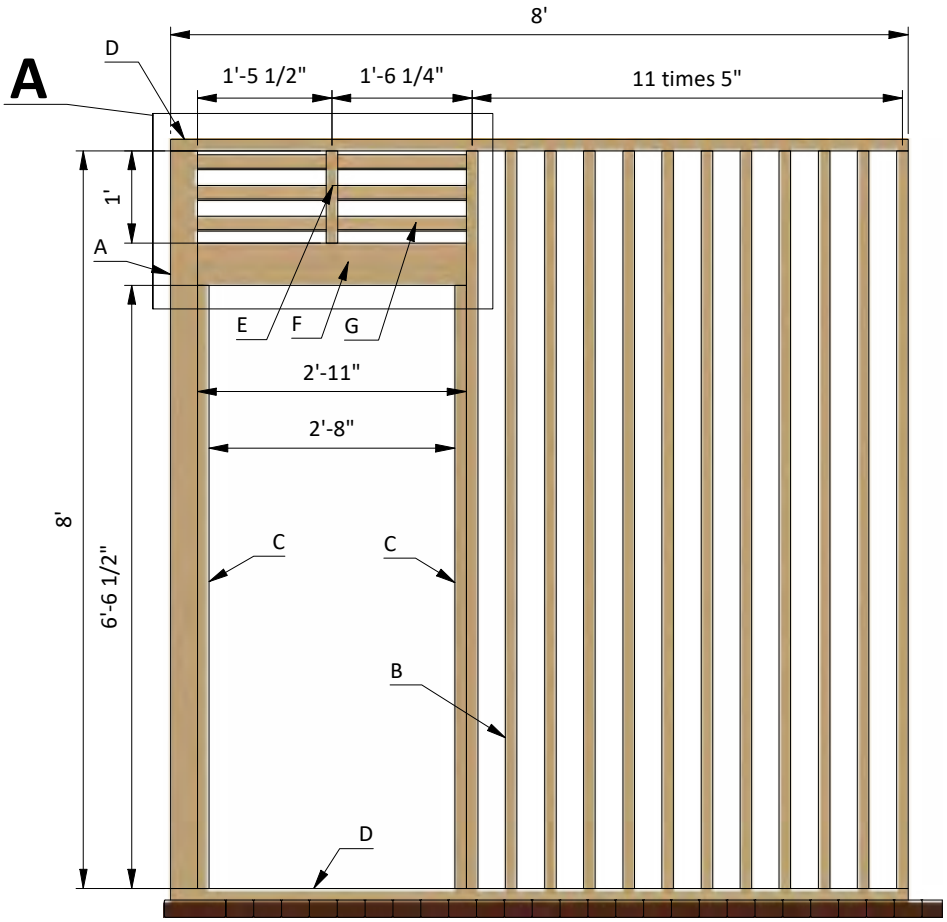
Assemble the Left Part of the Front Wall Frame

2.1 Using 2 x 4, 2 x 6 and 4 x 4 pressure-treated lumber, construct left part of the front wall frame using the drawing below as a reference. You will need thirteen boards cut to 8' and two boards cut to 6'-6 1/2" that will be studs, two boards cut to 8' that will be the top and bottom beams, two boards cut to 2'-11" that will be the door header and one board cut to 1' that will be cripple stud.

2.2 Using 1/4 x 3 board, provide six blind bars 1'-5 1/4" long. To install them, as shown in Figure B-B on page 17, make 1/4 deep oblique cuts in the vertical surfaces of the studs and cripple stud.

2.3 Connect the beams with 2x3" wood screws. Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Pos	Description	Material	Dimension	Qty
A	Stud	4x4	8'	1
B	Stud	2x4	8'	12
C	Stud	2x4	6'-6 1/2"	2
D	Top beam/ Bottom beam	2x4	8'	2
E	Cripple stud	2x4	1'	1
F	Door header	2x6	2'-11"	2
G	Blind bar	1/4 x 3	1'-5 1/4"	6



STEP 3

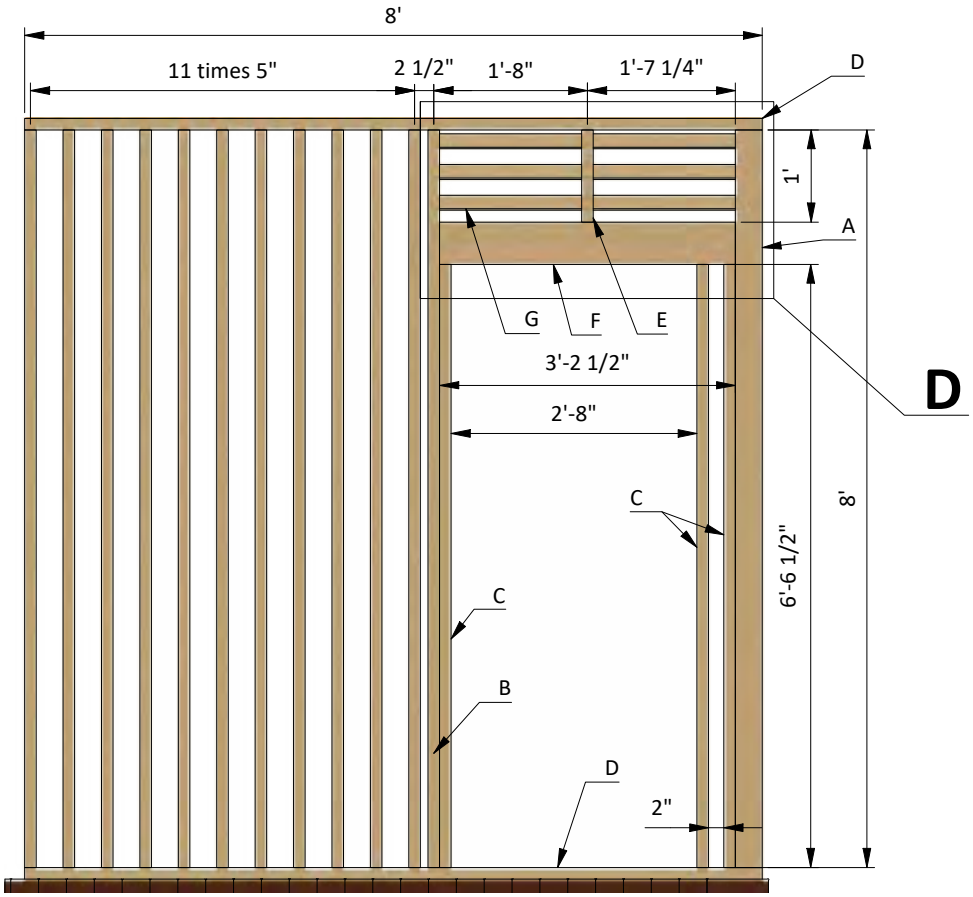
Assemble the Right Part of the Front Wall Frame

3.1 Using 2 x 4, 2 x 6 and 4 x 4 pressure-treated lumber, construct right part of the front wall frame using the drawing below as a reference. You will need thirteen boards cut to 8' and three boards cut to 6'-6 1/2" that will be studs, two boards cut to 8' that will be the top and bottom beams, two boards cut to 3'-2 1/2" that will be the door header and one board cut to 1' that will be cripple stud.

3.2 Using 1/4 x 3 board, provide six blind bars 1'-7" long. To install them, as shown in Figure B-B on page 17, make 1/4 deep oblique cuts in the vertical surfaces of the studs and cripple stud.

3.3 Connect the beams with 2x3" wood screws. Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Pos	Description	Material	Dimension	Qty
A	Stud	4x4	8'	1
B	Stud	2x4	8'	12
C	Stud	2x4	6'-6 1/2"	3
D	Top beam/ Bottom beam	2x4	8'	2
E	Cripple stud	2x4	1'	1
F	Door header	2x6	3'-2 1/2"	2
G	Blind bar	1/4 x 3	1'-7"	6



STEP 4

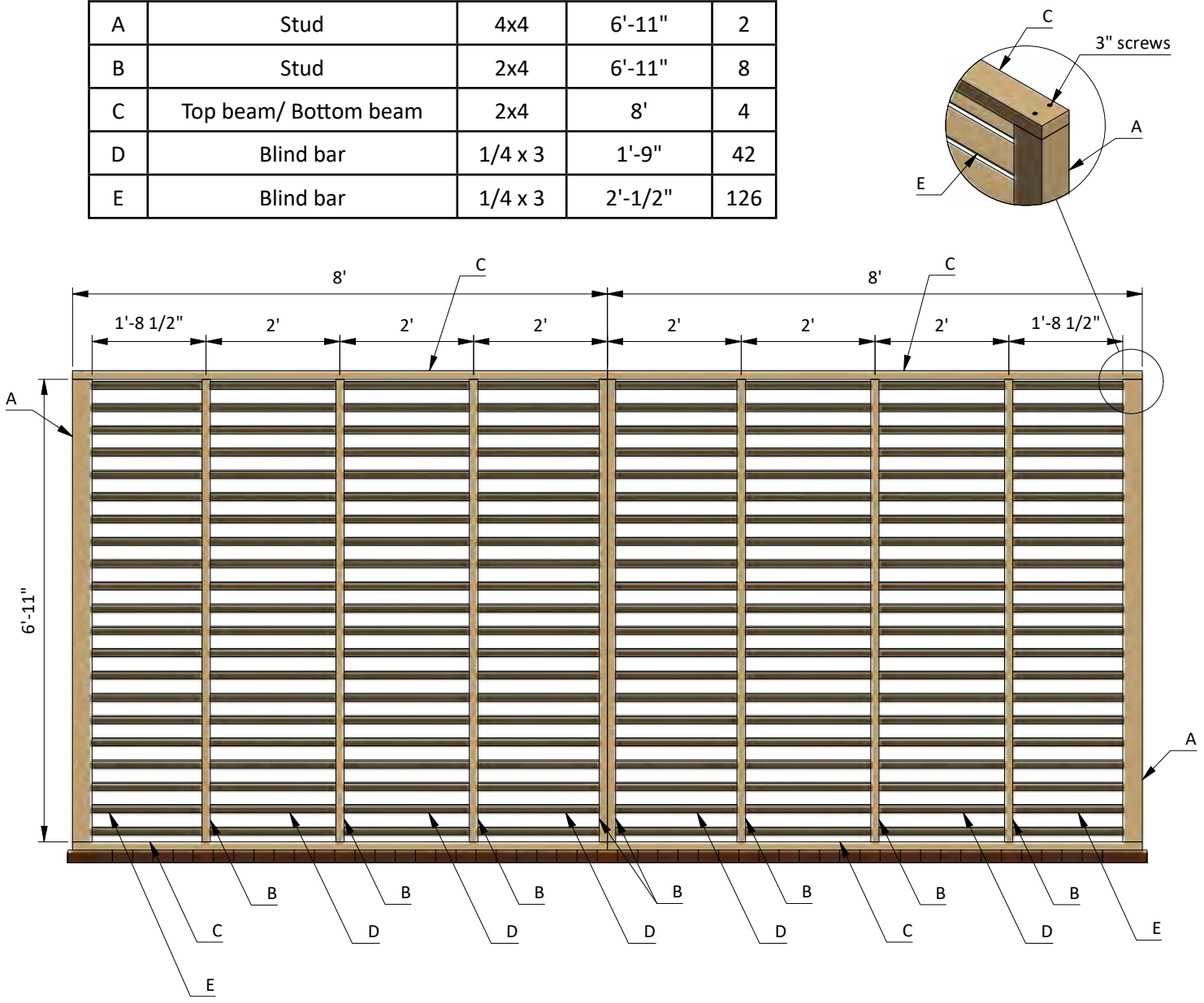
Assemble Back Wall Frame

4.1 Using 2x4 and 4x4 pressure-treated lumber, construct two mirrored halves that form the back wall frame using the drawing below as a reference. You will need ten boards cut to 6'-11" that will be the studs and four boards cut to 8' that will be the top and bottom beams.

4.2. Using 1/4 x 3 board, provide 42 blind bars 1'-9" long and 126 blind bars 2'-1/2" long. To install them, as shown in Figure B-B on page 17, make 1/4 deep oblique cuts in the vertical surfaces at the studs with the same pitch by full stud length.

4.3 Connect the beams with 2x3" wood screws. Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Pos	Description	Material	Dimension	Qty
A	Stud	4x4	6'-11"	2
B	Stud	2x4	6'-11"	8
C	Top beam/ Bottom beam	2x4	8'	4
D	Blind bar	1/4 x 3	1'-9"	42
E	Blind bar	1/4 x 3	2'-1/2"	126



STEP 5

Assemble the Top Beams

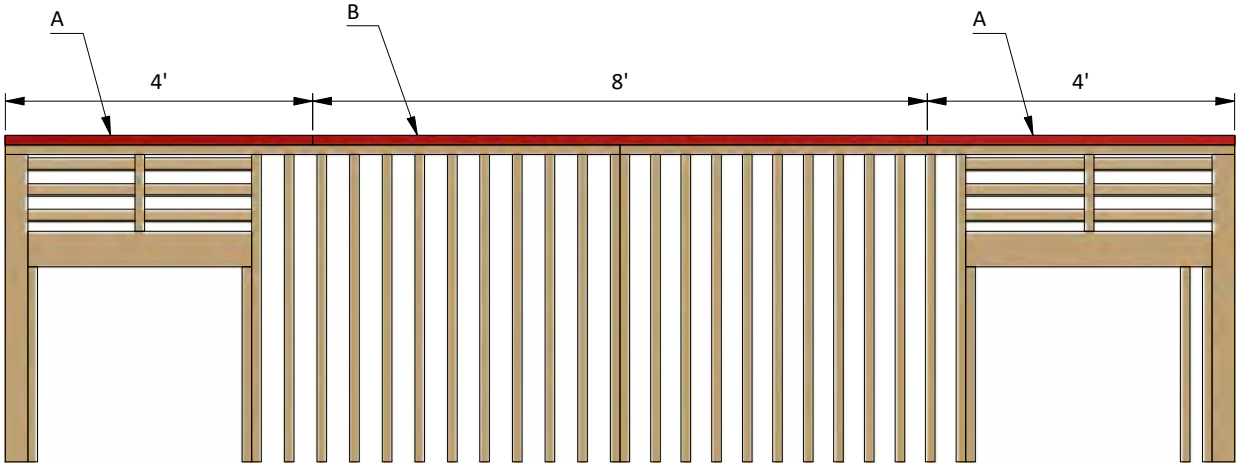
5.1 Assemble the beams using 2 x 4 pressure-treated lumber for the front and back walls. You will need four boards cut to 4' and two boards cut to 8'.

5.2 Connect the beams with 3" wood screws.

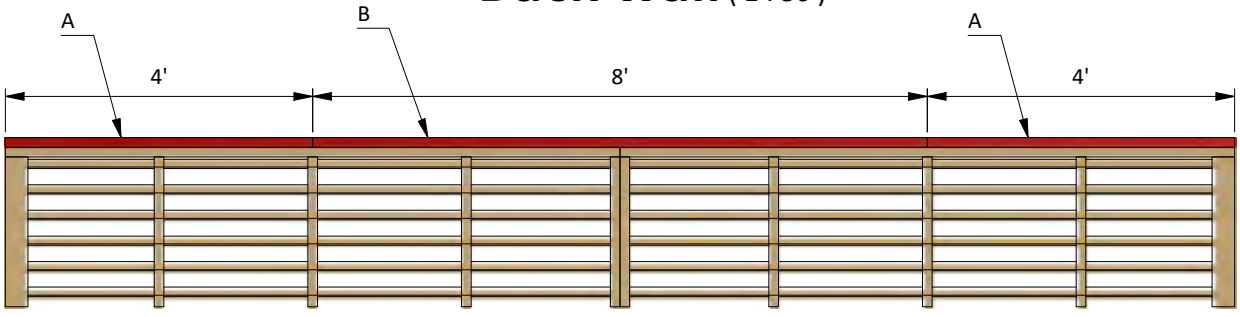
5.3 Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Pos	Description	Material	Dimension	Qty
A	Top beam	2x4	4'	4
B	Top beam	2x4	8'	2

Front wall (1 : 30)



Back wall (1 : 30)



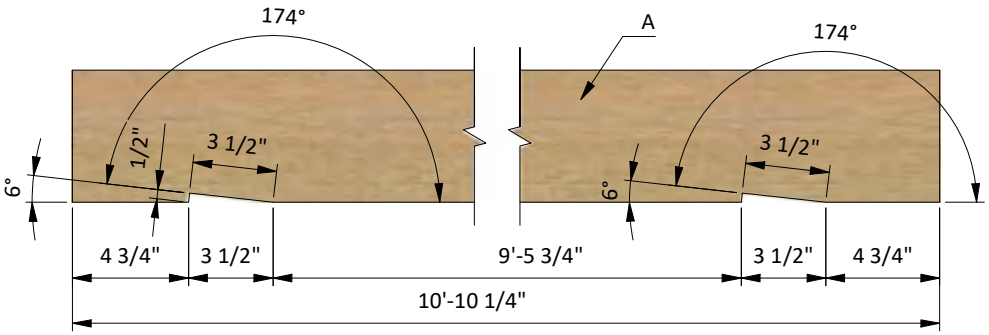
STEP 6

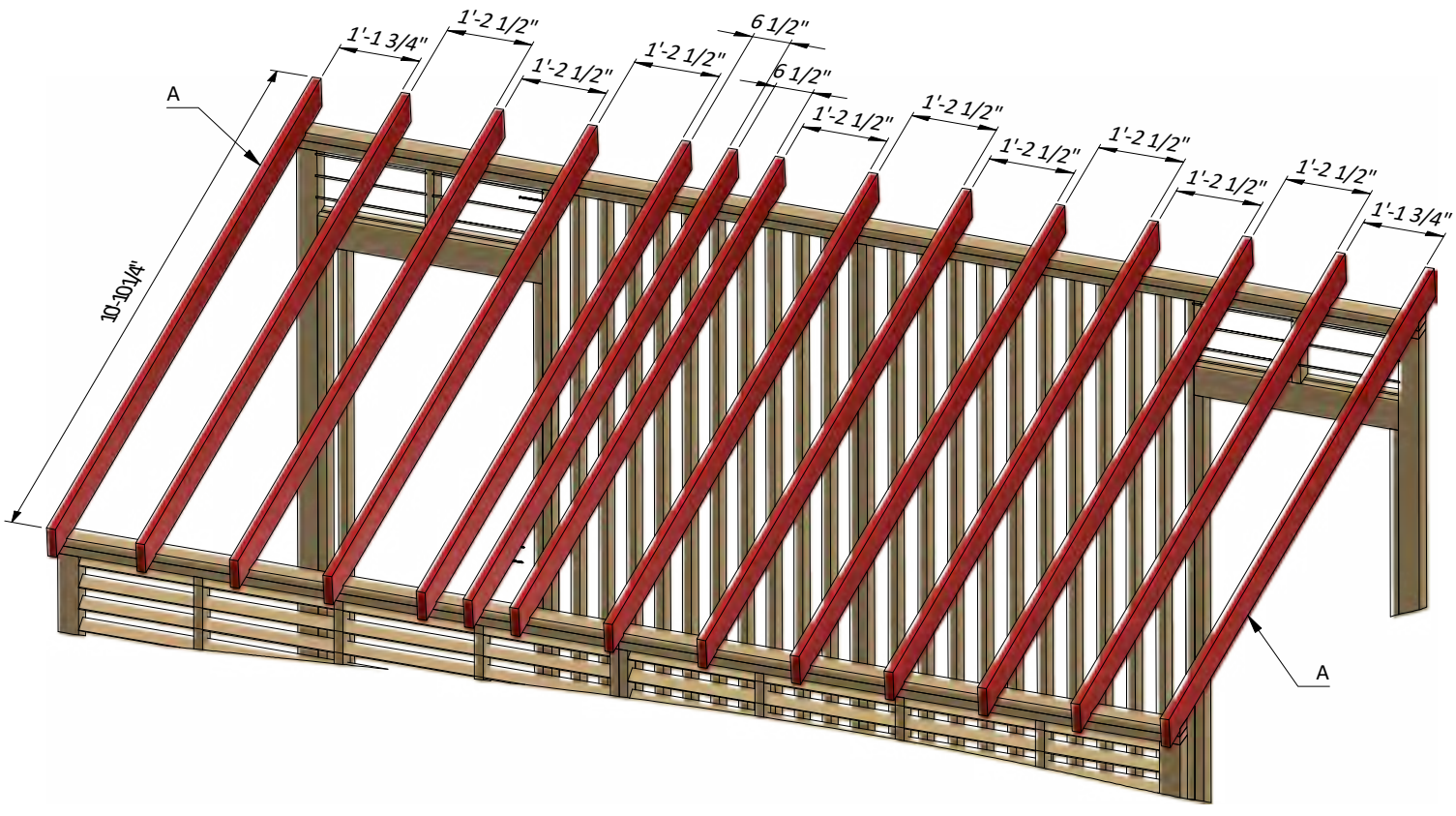
Assemble the Roof Frame

6.1 Using 2 x 6 pressure-treated lumber, cut fourteen rafters 10'-10 1/4" long according to the dimensions in drawing below. Cut the recesses in each beam for splicing connection with wall frames.

6.2 Connect the beams with a top frame with the help of 5" wood screws.

Pos	Description	Material	Dimension	Qty
A	Rafters	2x6	10'-10 1/4"	14





STEP 7

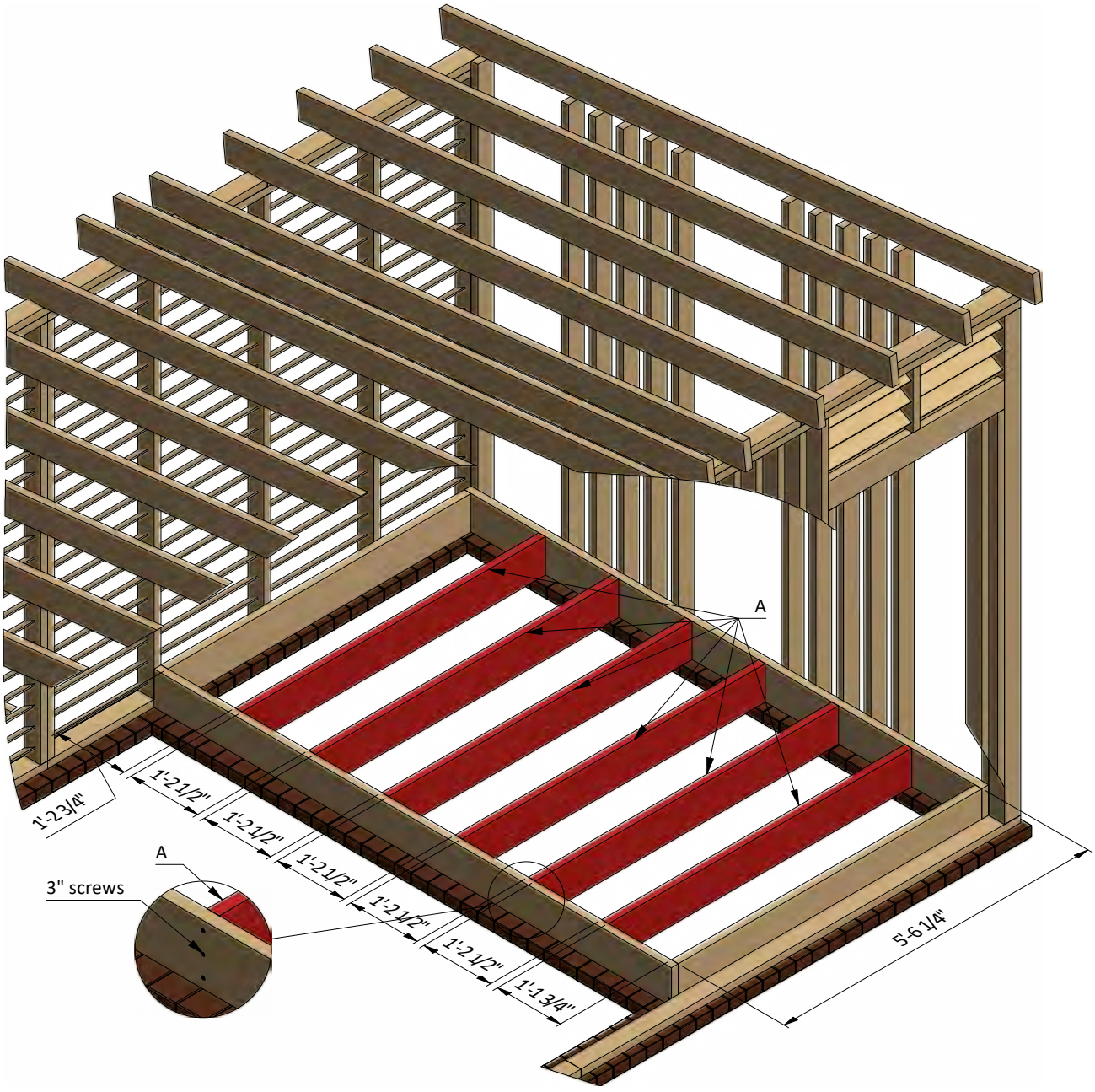
Framing the Coop's Floor

8.1 Assemble the frame using 2 x 8 pressure-treated lumber.
You will need six boards cut to 5'-6 1/4" that will be the joist.

8.2 Secure the beams with 3" wood screws.

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

Pos	Description	Material	Dimension	Qty
A	Joist	2x8	5'-6 1/4"	6



STEP 8

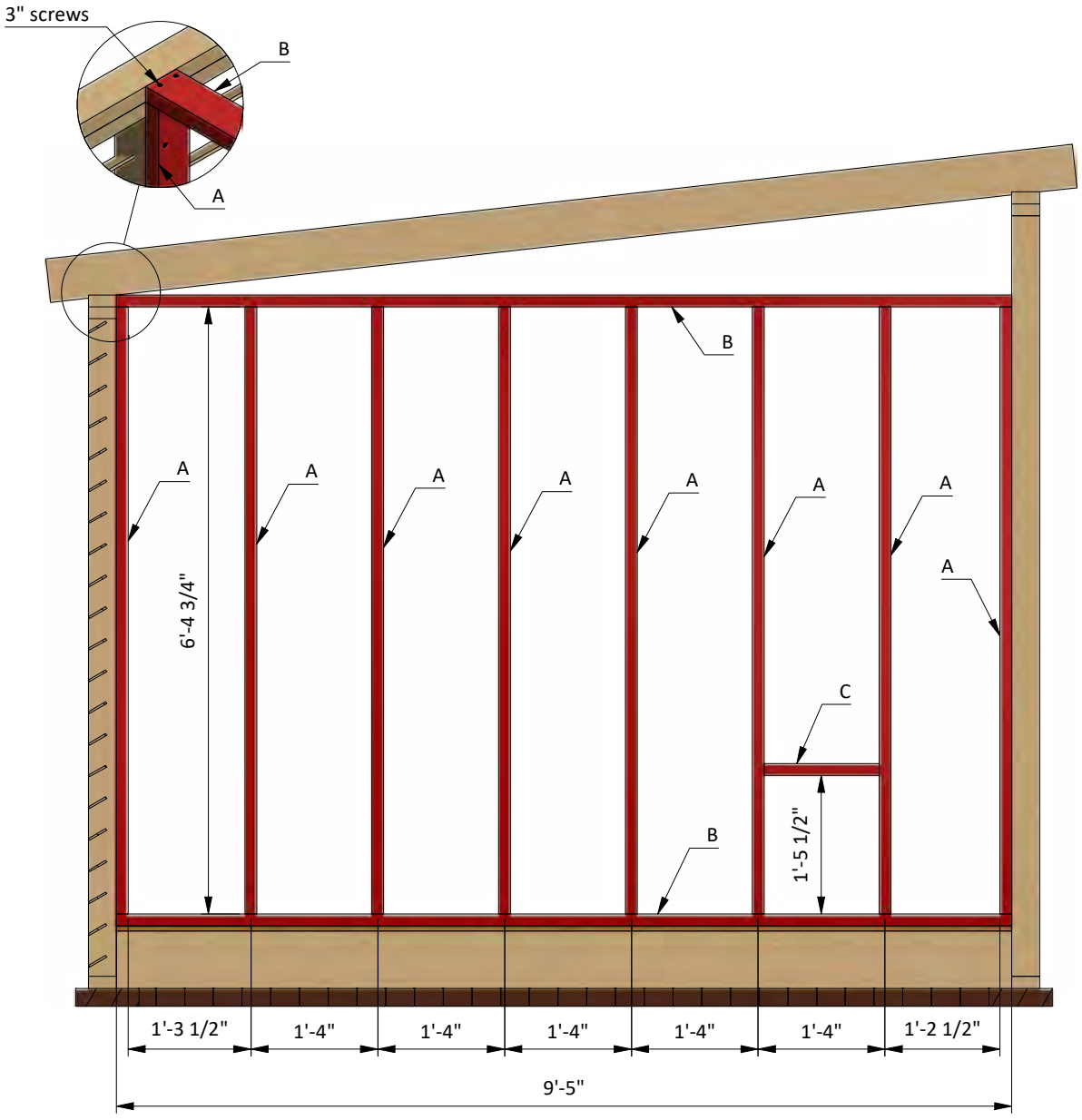
Assemble Inner Left Wall Frame

9.1 Using 2x4 pressure-treated lumber, construct inner left wall frame using the drawing below as a reference. You will need eight boards cut to 6'-4 3/4" that will be studs, two boards cut to 9'-5" that will be top and bottom beams and one board cut to 1'-2 1/2" that will be chicken door header.

9.2 Connect the beams with 3" wood screws.

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

Pos	Description	Material	Dimension	Qty
A	Studs	2x4	6'-4 3/4"	8
B	Top/bottom beam	2x4	9'-5"	2
C	Chicken door header	2x4	1'-2 1/2"	1



STEP 9

Assemble the Left Inner Wall Gable Wall Studs

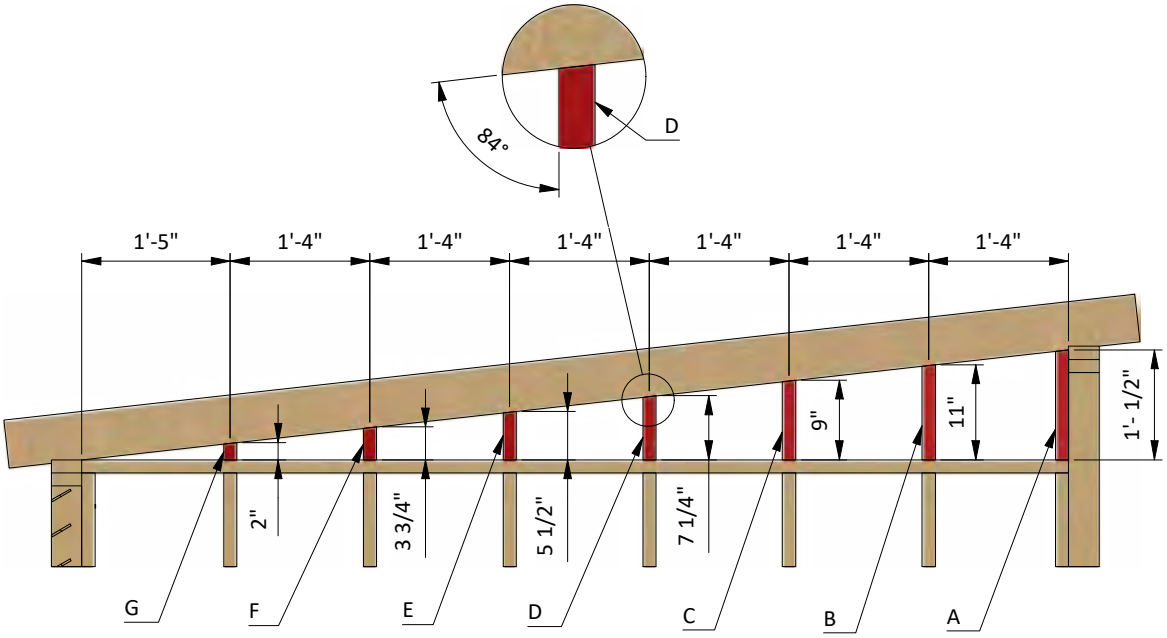
10.1 Using 2x4 pressure-treated lumber, cut seven gable studs as shown in the illustration below.

10.2 You will need one board cut to 1'-1/2", one board cut to 11", one board cut to 9", one board cut to 7 1/4", one board cut to 5 1/2", one board cut to 3 3/4" and one board cut to 2".

10.3 Cut the top edge of each stud to connect them with rafters.

10.4 Connect the beams with 2x3" wood screws.

Pos	Description	Material	Dimension	Qty
A	Studs	2x4	1'-1/2"	1
B	Studs	2x4	11"	1
C	Studs	2x4	9"	1
D	Studs	2x4	7 1/4"	1
E	Studs	2x4	5 1/2"	1
F	Studs	2x4	3 3/4"	1
G	Studs	2x4	2"	1



STEP 10

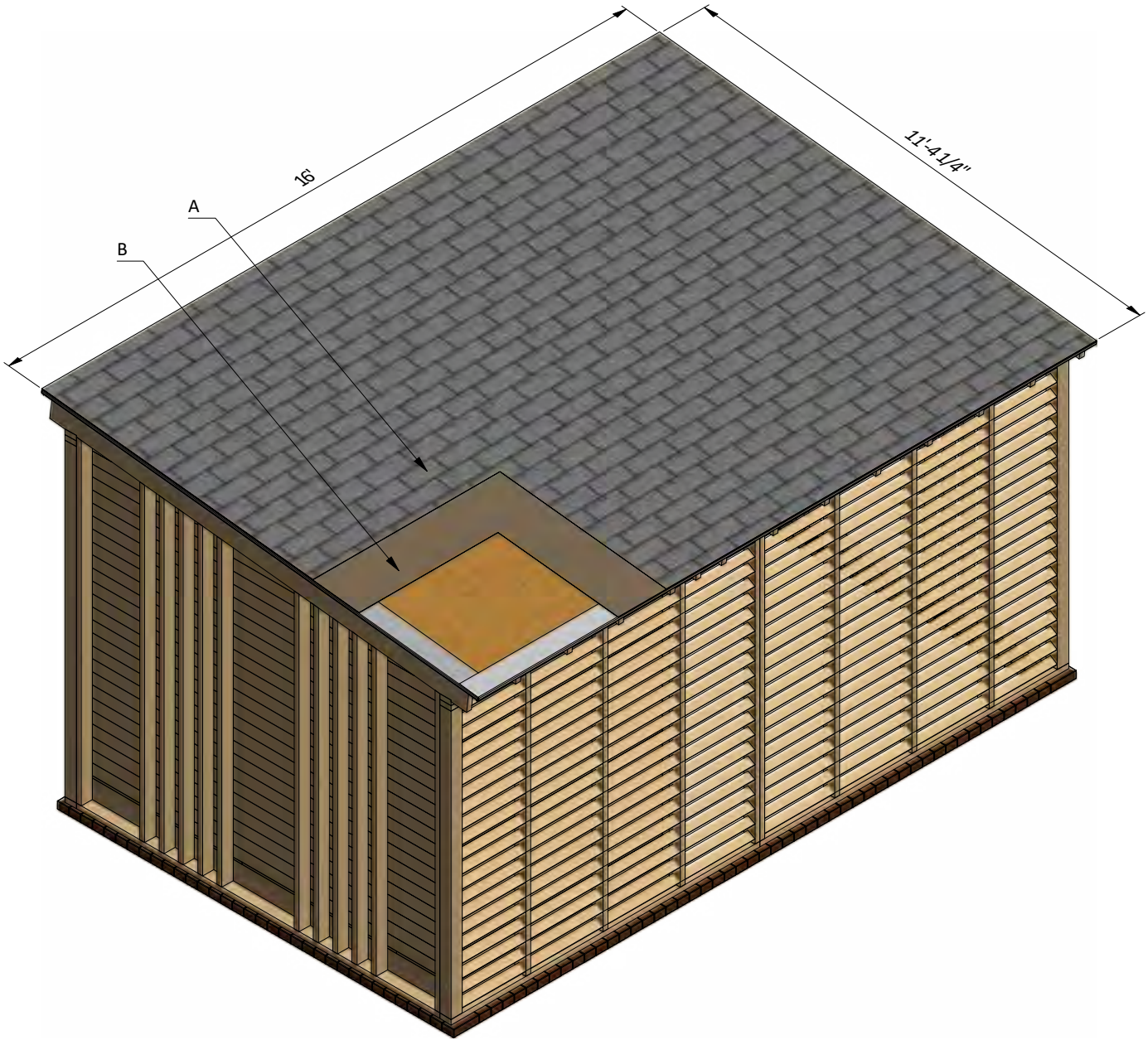
Coop's Roof Sheathing Installation

16.1 You will need 183 Sq Ft of building paper and asphalt shingle roofing.

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

16.3 Install asphalt shingle roofing using an industrial stapler.

Pos	Description	Material	Dimension	Qty
A	Roof sheathing	Asphalt shingle roofing	-	183 square.ft
B	Roof sheathing	Building paper	-	183 square.ft



STEP 11

Assemble and Install Coop's Front Door

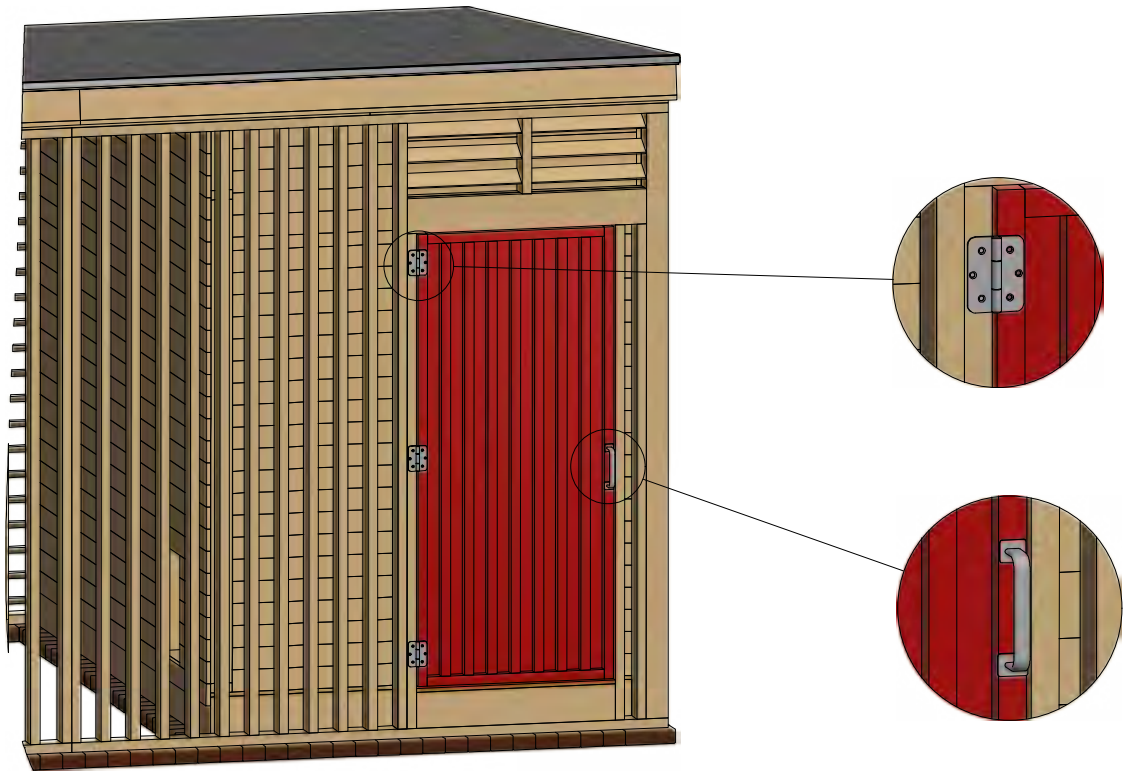
17.1 Build the door frame using 2x2 and 2x4 pressure-treated lumber.
You will need two boards cut to 5'-11 3/4", seven boards cut to 5'-8 3/4" that will be the vertical girts and two boards cut to 2'-4 1/2" that will be the horizontal girts.

17.2 Prepare the 5/8" plywood sheets for inner and outer sheathing. You will need one 2'-4 1/2" x 5'-8 3/4" sheet and one 2'-7 1/2" x 5'-11 3/4" sheet for the door according to the drawing.

17.3 Cut sheet of 3" foam board insulation for the door sheathing.
You will need to cut one 2'-4 1/2" x 5'-8 3/4" sheet.

17.4 Install three 3" door hinges using 6x1" wood screws.
Finish the door installation by attaching 6" door pull.

Pos	Description	Material	Dimension	Qty
A	Girt	2x4	5'-11 3/4"	2
B	Girt	2x4	2'-4 1/2"	2
C	Girt	2x2	5'-8 3/4"	7
D	Door sheathing	5/8" Plywood	2'-4 1/2" x 5'-8 3/4"	1
E	Foam board	3"	2'-4 1/2" x 5'-8 3/4"	1
F	Door sheathing	5/8" Plywood	2'-7 1/2" x 5'-11 3/4"	1



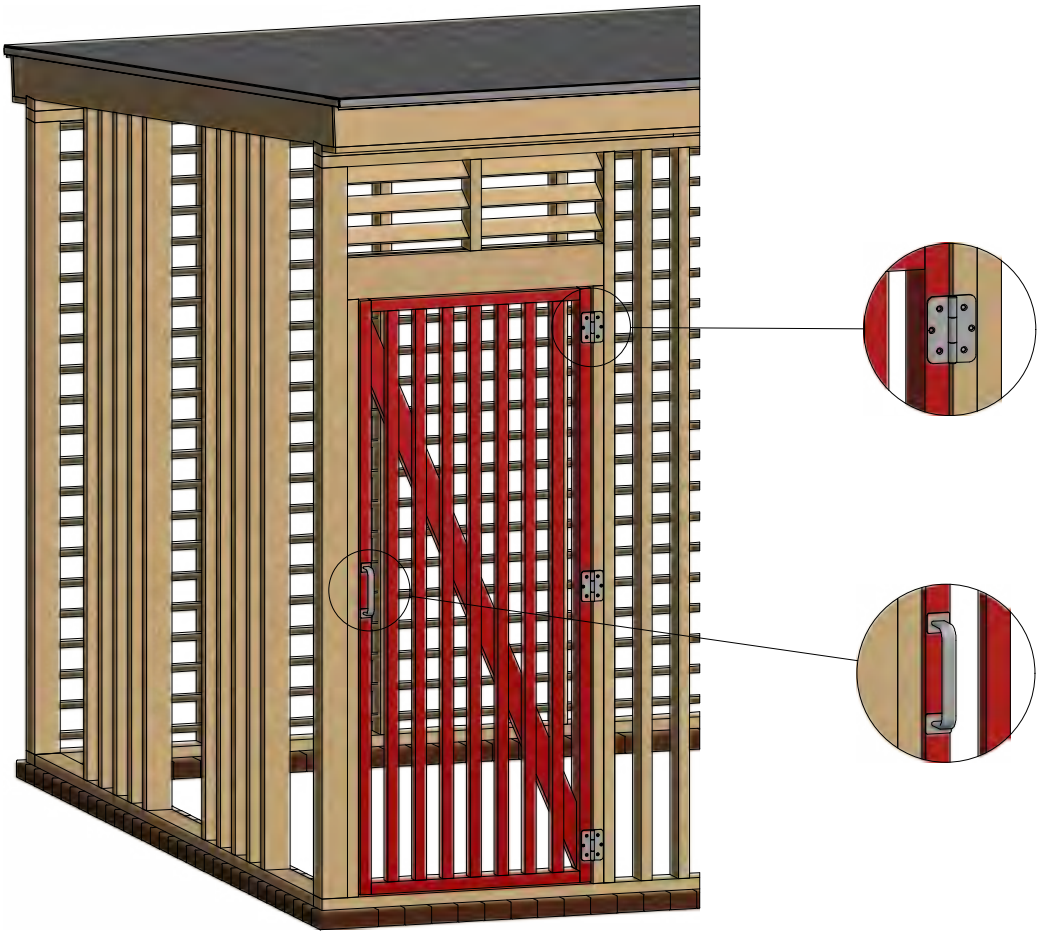
STEP 12

Assemble and Install Aviary Front Door

18.1 Build the door frame using 2x2 and 2x4 pressure-treated lumber.
You will need two boards cut to 6'-6", seven boards cut to 6'-3" that will be the vertical girts one board cut to 6'-8 1/4" that will be cross brace and two boards cut to 2'-4 1/2" that will be the horizontal girts.

18.2 Install three 3" door hinges using 6x1" wood screws.
Finish the door installation by attaching 6" door pull.

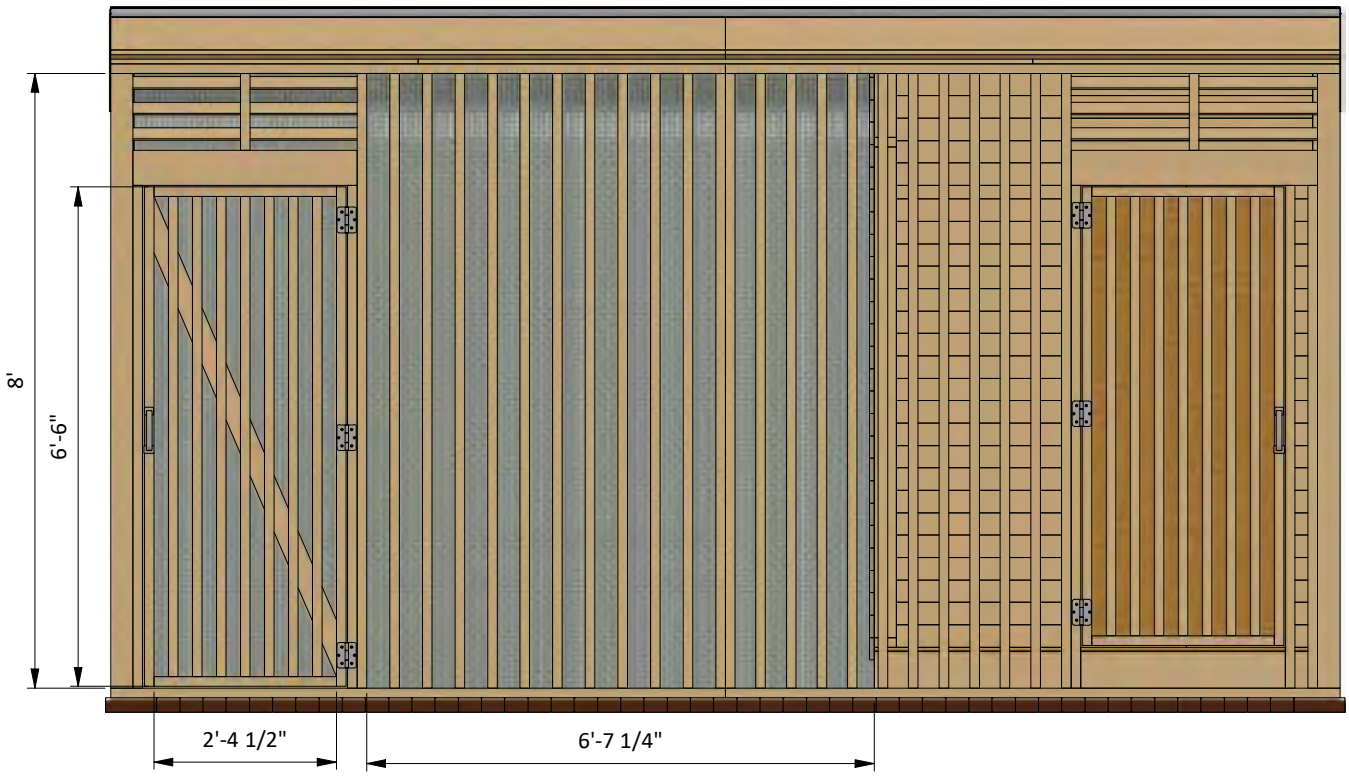
Pos	Description	Material	Dimension	Qty
A	Girt	2x4	6'-6"	2
B	Girt	2x4	2'-4 1/2"	2
C	Girt	2x2	6'-3"	7
D	Cross brace	2x4	6'-8 1/4"	1



STEP 13

Mesh Wall Installation

19.1 Cover the walls with 1/4" wire mesh with the help of industrial stapler. You will need 225 sq ft.



STEP 14

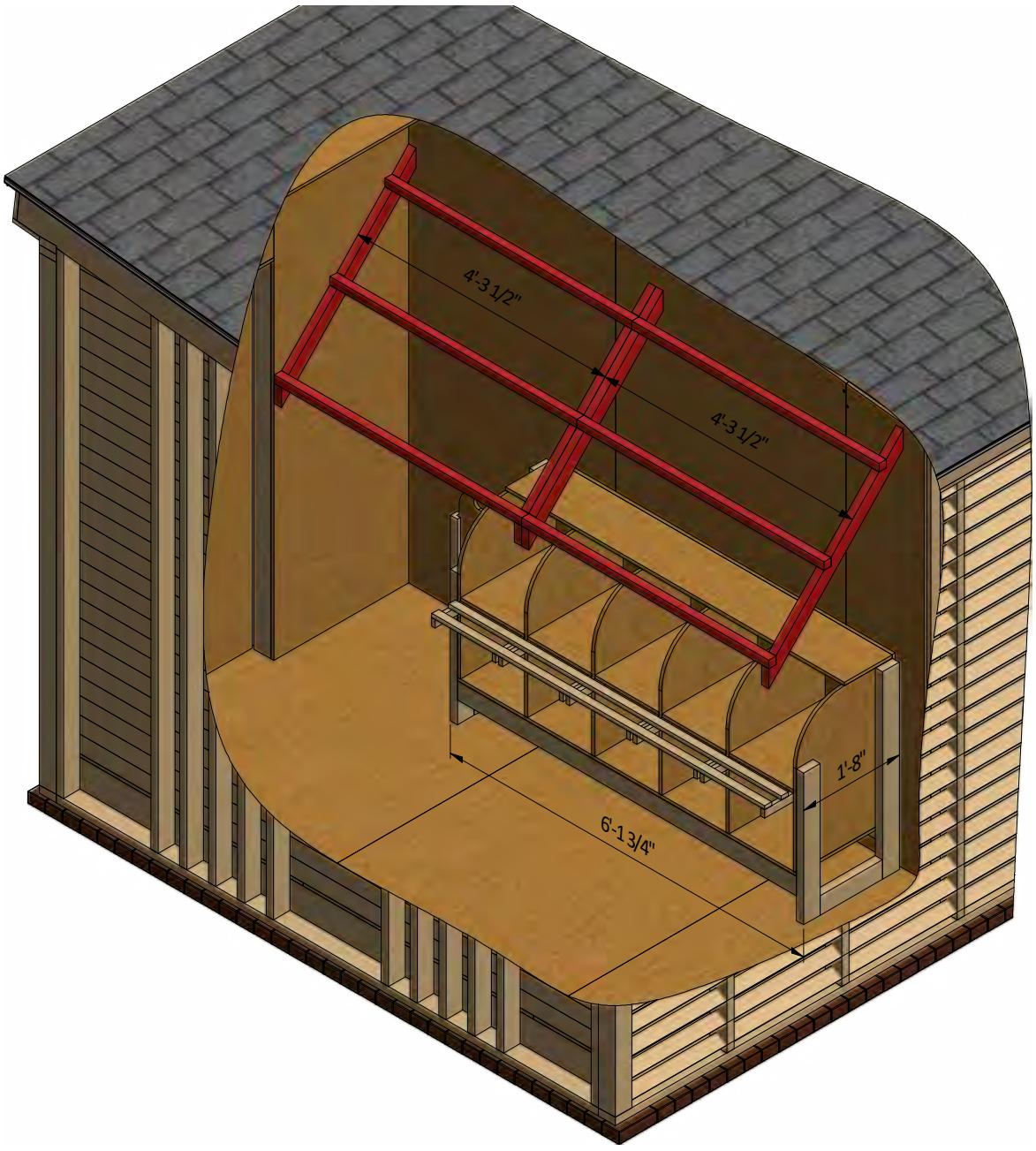
Assemble The Roost

21.1 Assemble the roost using 2 x 2 and 2 x 3 pressure-treated material. You will need four boards cut to 3'-7" and six boards cut to 4'-3 1/2".

21.2 Connect the beams with 2" wood screws.

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

Pos	Description	Material	Dimension	Qty
A	Girt	2x3	3'-7"	4
B	Girt	2x2	4'-3 1/2"	6



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.

Free vs. Premium Plan: What's the Difference?

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Fastening Elements List	X	✓
Technical Support	X	✓

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