



10'x12' Chicken Coop Plan

Up to 12 chickens



Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	21	87
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	✗	✓
Imperial/Metric versions	✗	✓

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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

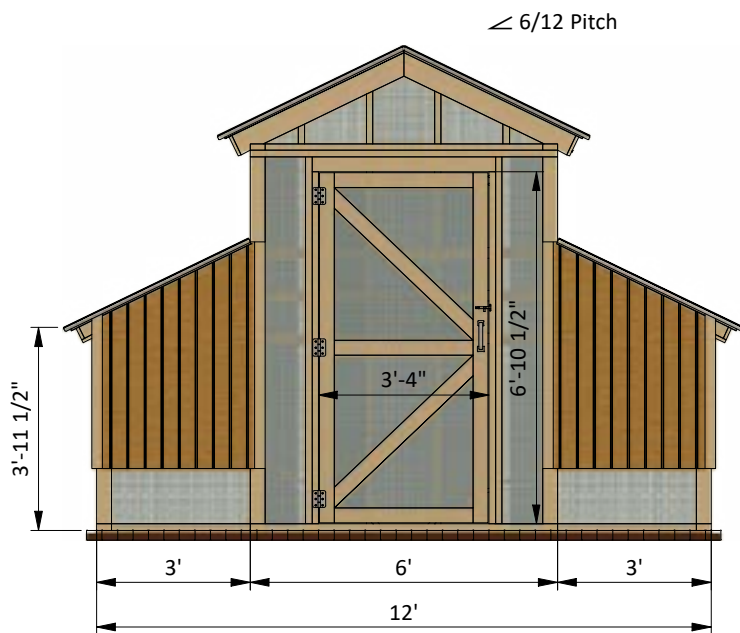
- Pressure-Treated Lumber

Fasteners & Hardware

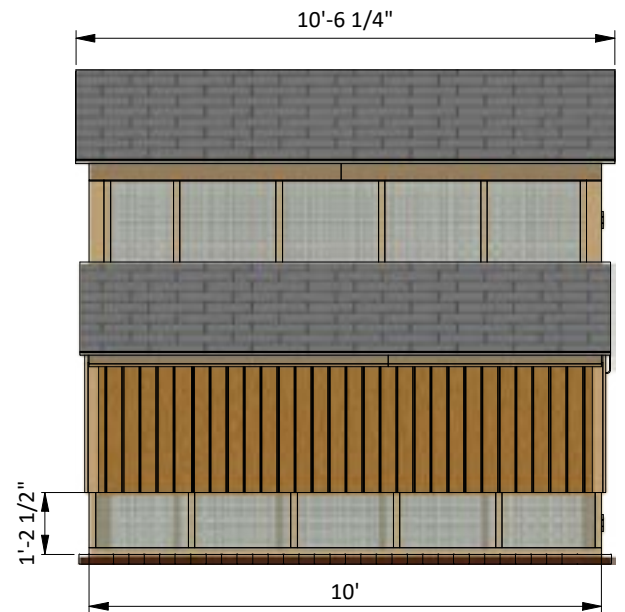
- Corner braces
- Galvanized nails
- Wood screws

Size & Dimensions

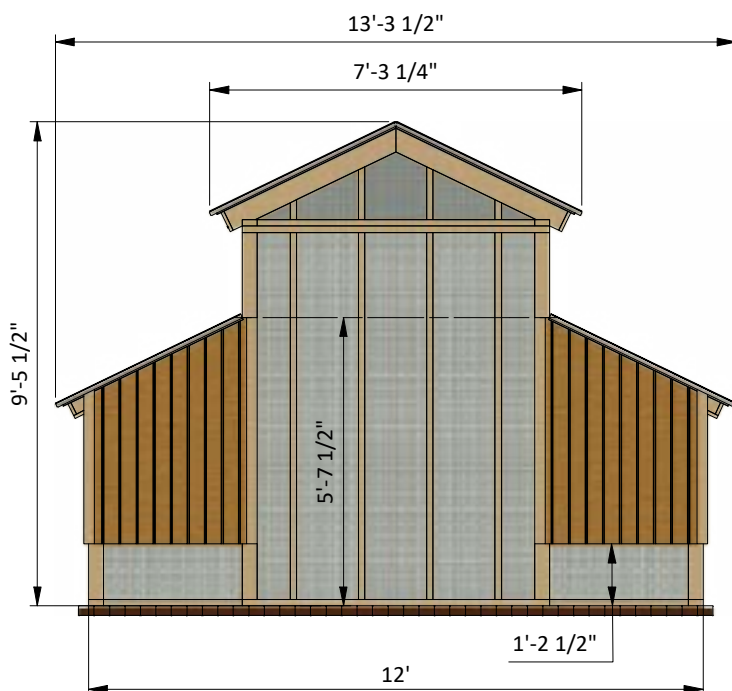
front



left



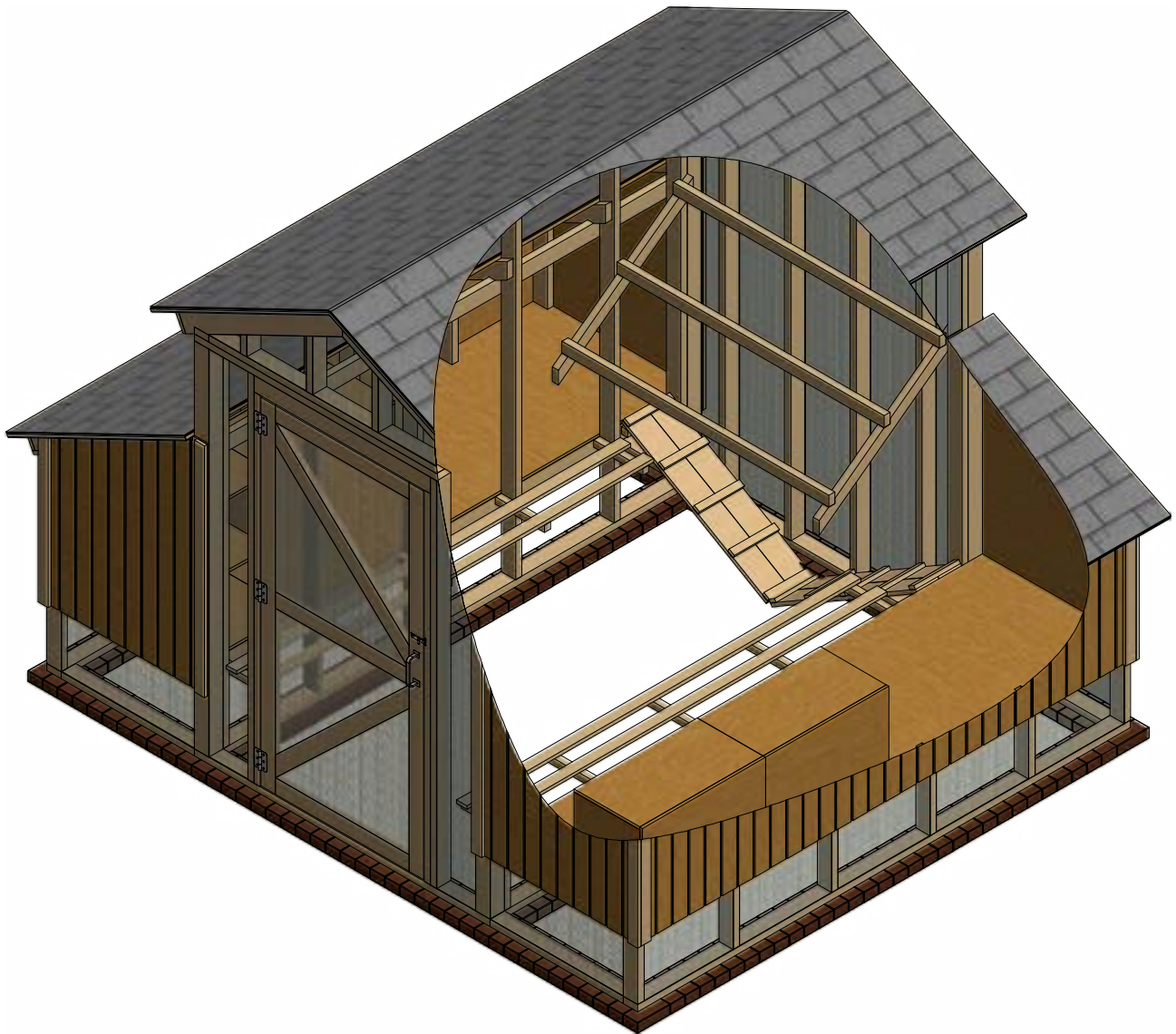
back



right



Interior view



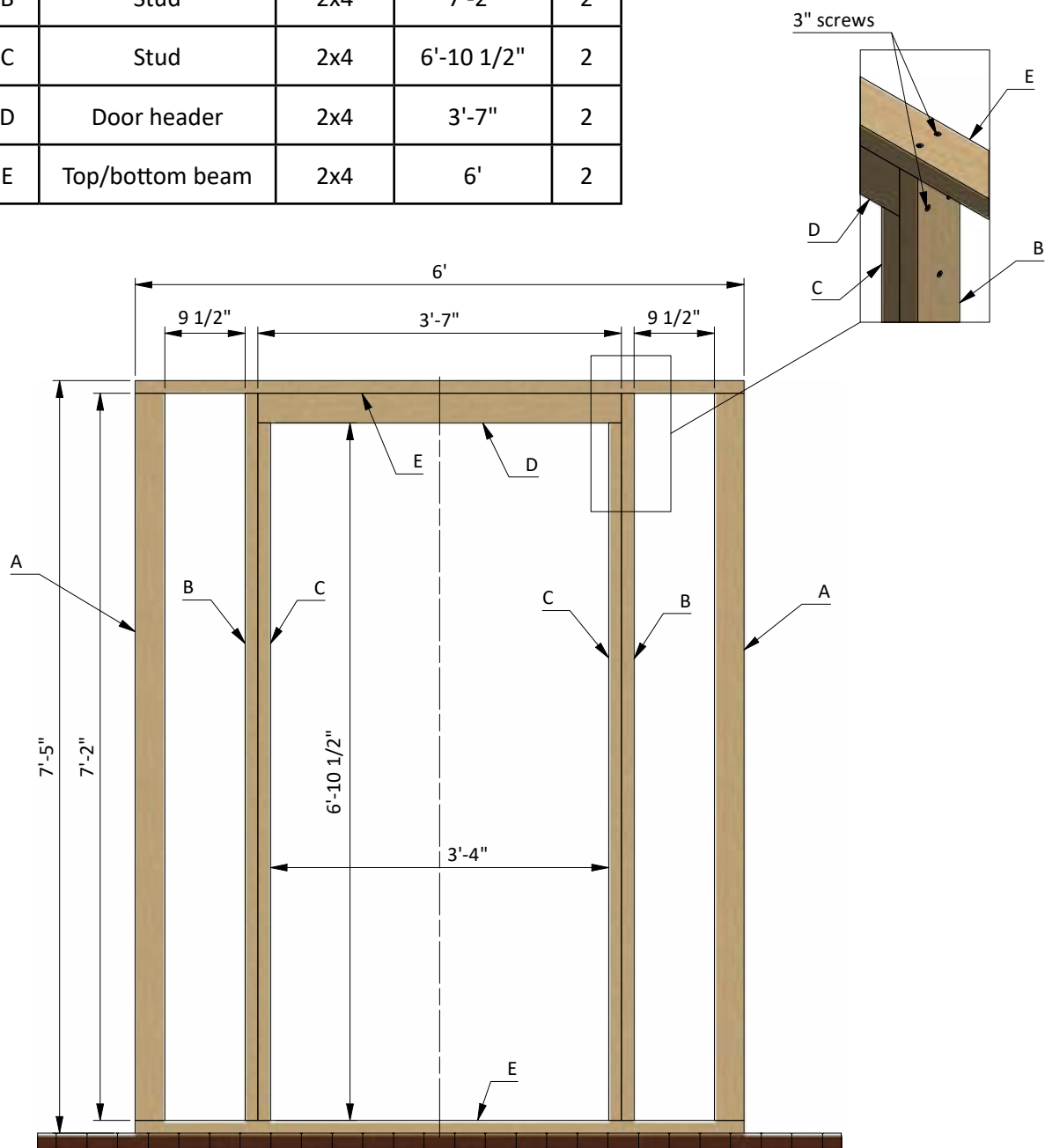
STEP 1

Assemble Front Wall Frame

1.1 Using 2x4 and 4x4 lumber, construct front wall frame using the drawing below as a reference. You will need four boards cut to 7'-2" and two boards cut to 6'-10 1/2" that will be the studs, two boards cut to 6' that will be top and bottom plates and two boards cut to 3'-7" that will be door header.

1.2 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	7'-2"	2
B	Stud	2x4	7'-2"	2
C	Stud	2x4	6'-10 1/2"	2
D	Door header	2x4	3'-7"	2
E	Top/bottom beam	2x4	6'	2



STEP 2

Assemble Back Wall Frame

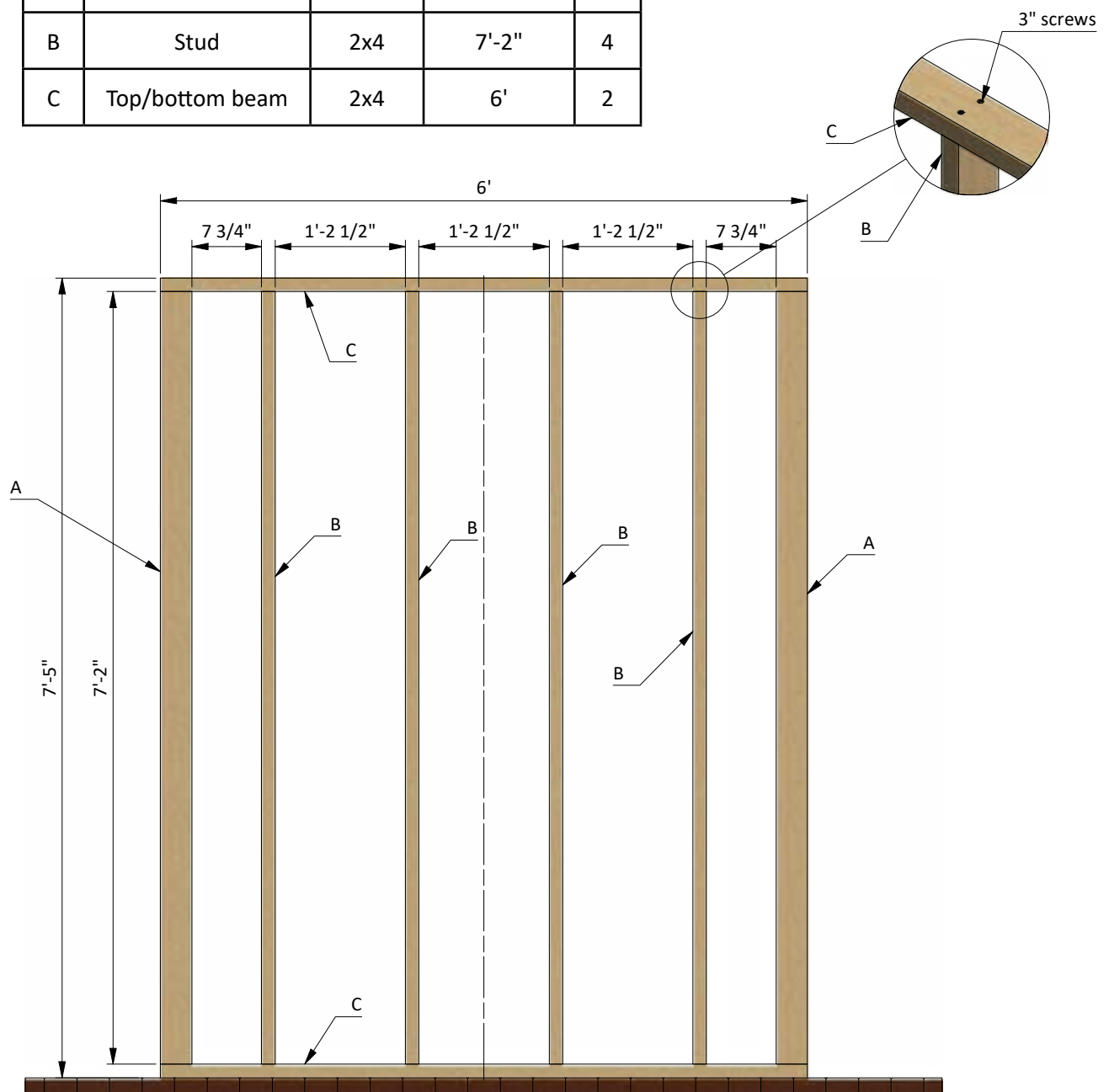
2.1 Using 2x4 and 4x4 lumber, construct back wall frame using the drawing below as a reference.

You will need six boards cut to 7'-2" that will be the studs and two boards cut to 6' that will be the top and bottom plates.

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°.

Pos	Description	Material	Dimension	Qty
A	Stud	4x4	7'-2"	2
B	Stud	2x4	7'-2"	4
C	Top/bottom beam	2x4	6'	2



STEP 3

Assemble Side Wall Frames

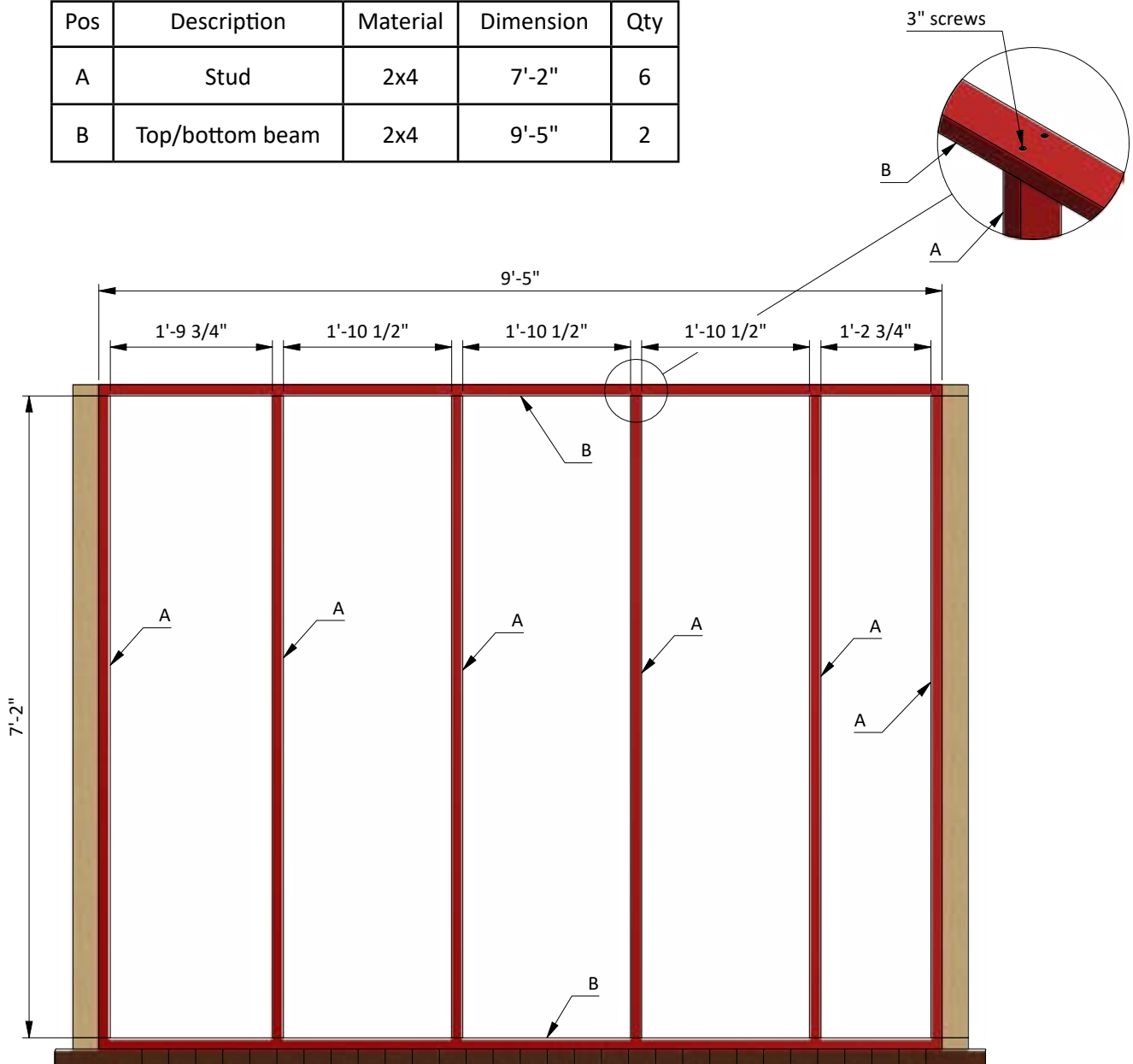
You will need to assemble two frames - for right and left walls

3.1 Using 2x4 lumber, construct side wall frames using the drawing below as a reference. For each wall you will need six boards cut to 7'-2" that will be the studs and two boards cut to 9'-5" that will be top and bottom plates.

3.2 Connect the beams with 3" wood screws.

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

Pos	Description	Material	Dimension	Qty
A	Stud	2x4	7'-2"	6
B	Top/bottom beam	2x4	9'-5"	2



STEP 4

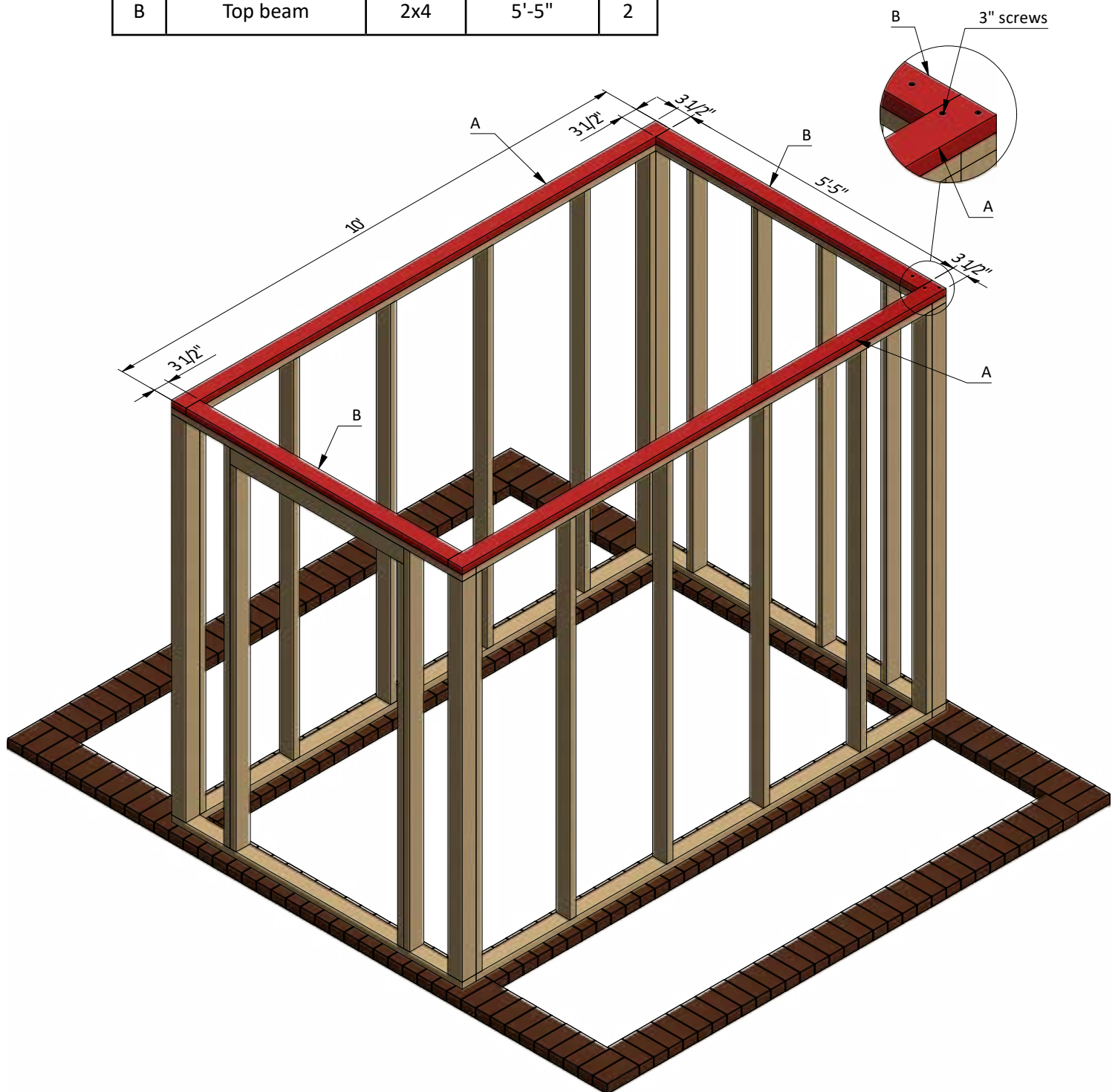
Assemble the Top Beams

4.1 Assemble the beams using 2x4 lumber. You will need two boards cut to 10' and two boards cut to 5'-5".

4.2 Connect the beams with 3" wood screws.

4.3 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	10'	2
B	Top beam	2x4	5'-5"	2



STEP 5

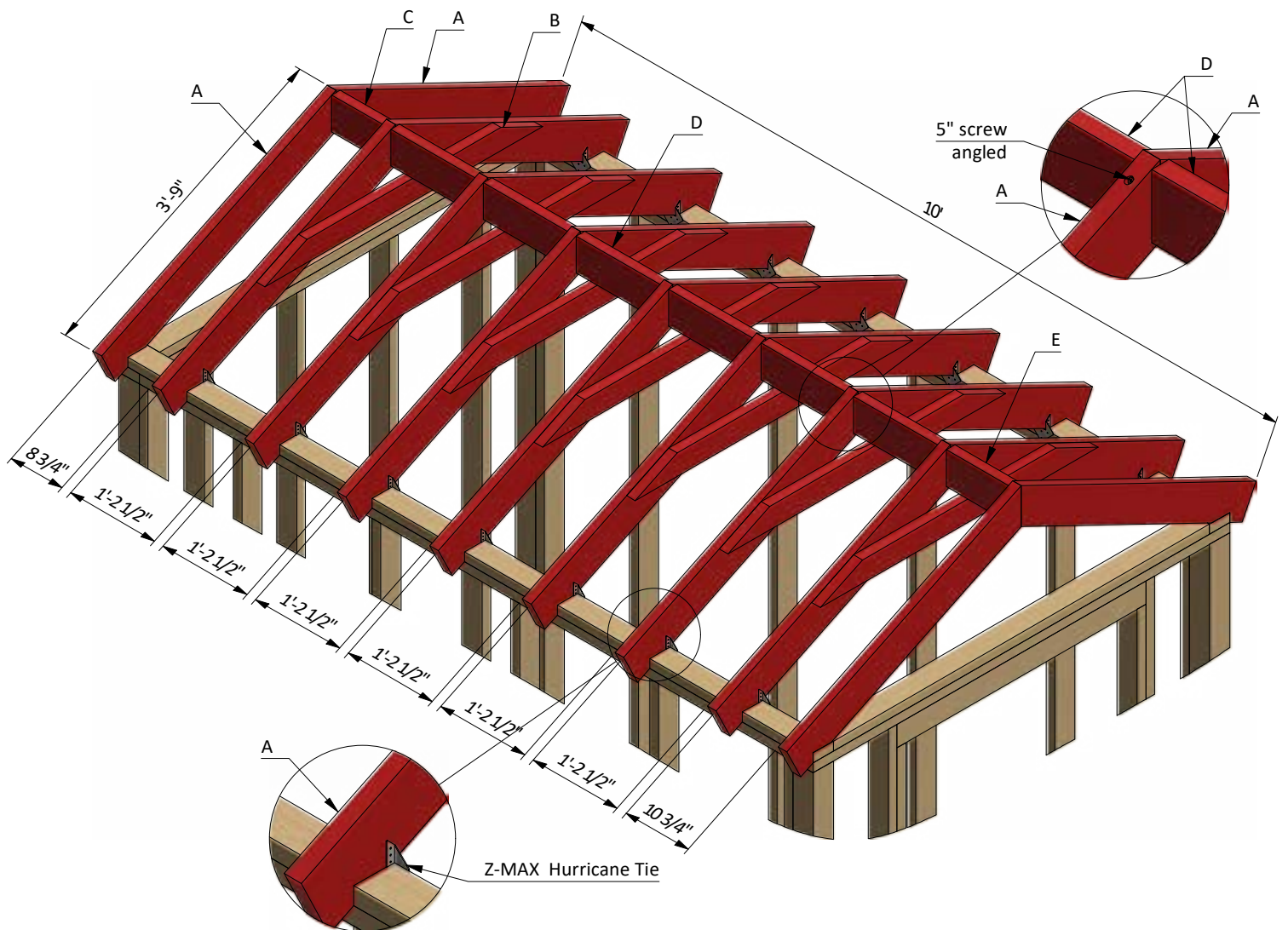
Assemble the Roof Frame

5.1 Using 2x6 lumber, cut eighteen rafters 3'-9" long according to the drawings below.

5.2 Using 2x4 lumber, cut seven collar ties 4' long and assemble trusses.

5.3 Using 2x6 lumber, cut the ridge boards. You will need one board cut to 8 3/4", six boards cut to 1'-2 1/2" and one board cut to 10 3/4" according the illustration below.

5.4 Connect the rafters with the help of Z-MAX Hurricane Tie and 3"; 5" wood screws.



STEP 6

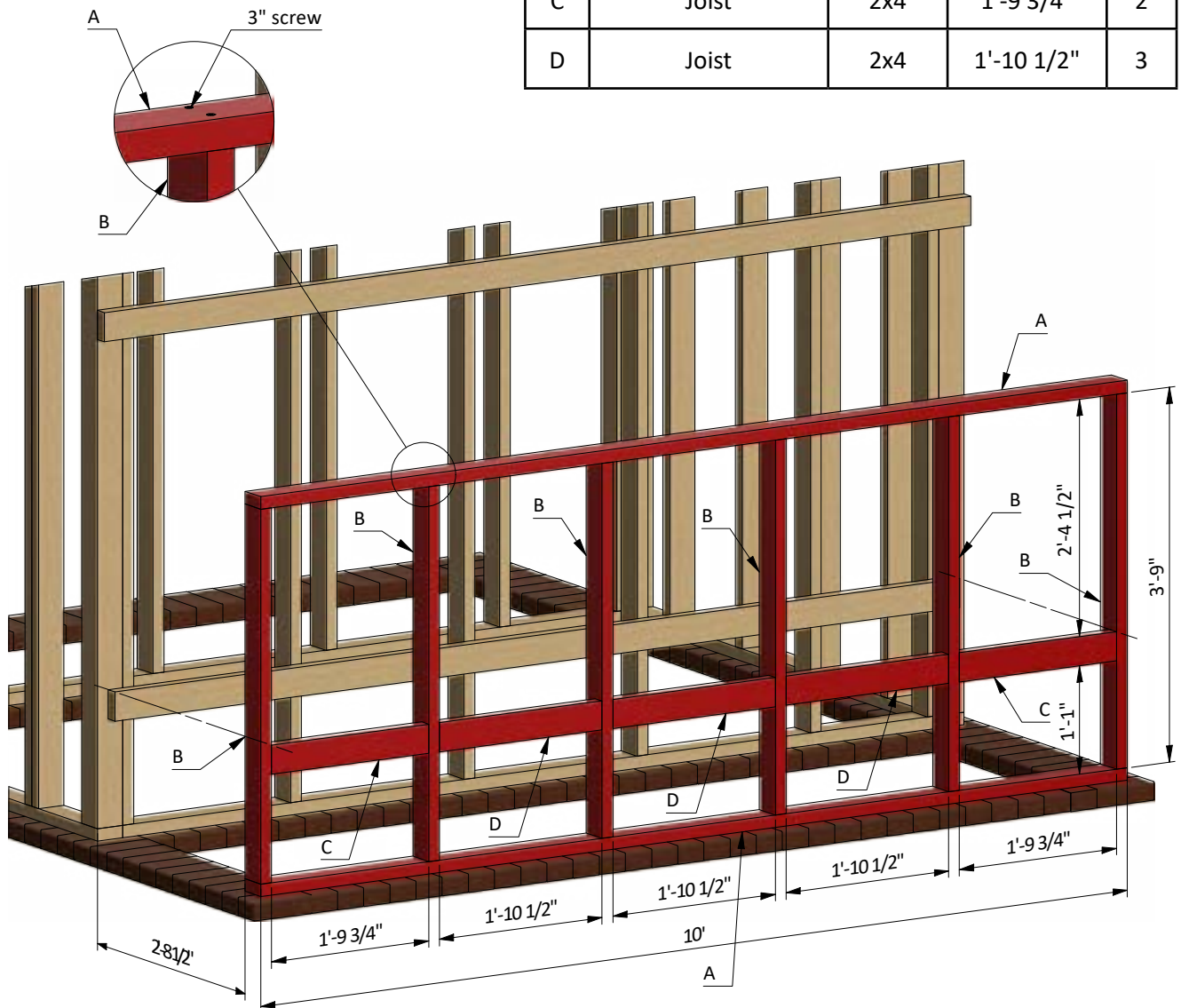
Right Wall Nest Assembly

6.1 Using 2x4 lumber, construct the side frame of the nest using the drawing below as a reference. You will need six boards cut to 3'-9" that will be the studs, two boards cut to 1'-9 3/4" and three boards cut to 1'-10 1/2" that will be joist and two boards cut to 10' that will be top and bottom plates.

6.2 Connect the beams with 3" wood screws.

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

Pos	Description	Material	Dimension	Qty
A	Top/bottom beam	2x4	10'	2
B	Stud	2x4	3'-9"	6
C	Joist	2x4	1'-9 3/4"	2
D	Joist	2x4	1'-10 1/2"	3



STEP 7

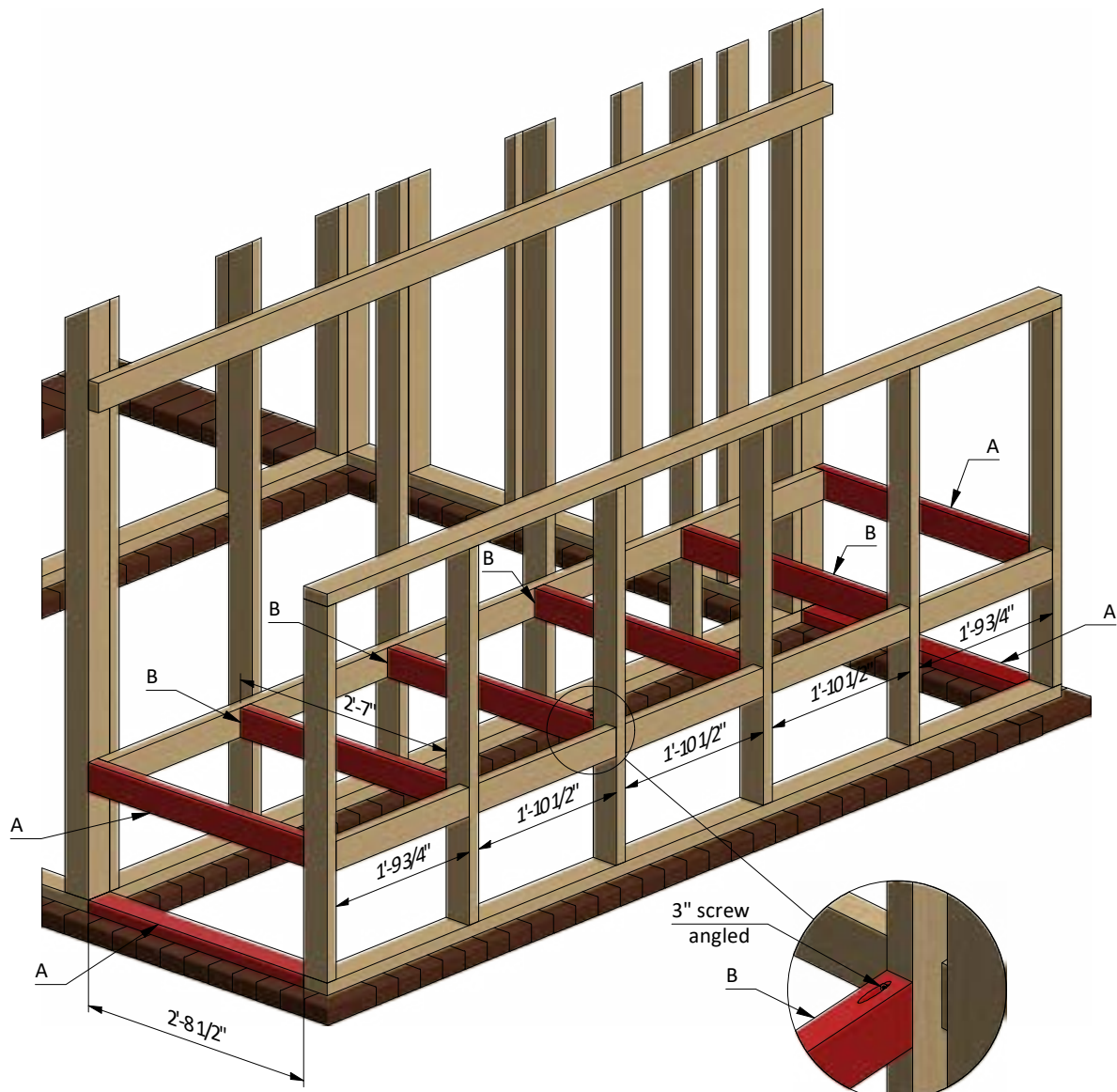
Right Wall Nest Assembly

7.1 Using 2x4 lumber, construct the floor for the nest using the drawing below as a reference. You will need four boards cut to 2'-8 1/2" and four boards cut to 2'-7" that will be the joist.

7.2 Connect the beams with 3" wood screws.

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

Pos	Description	Material	Dimension	Qty
A	Joist	2x4	2'-8 1/2"	4
B	Joist	2x4	2'-7"	4



STEP 8

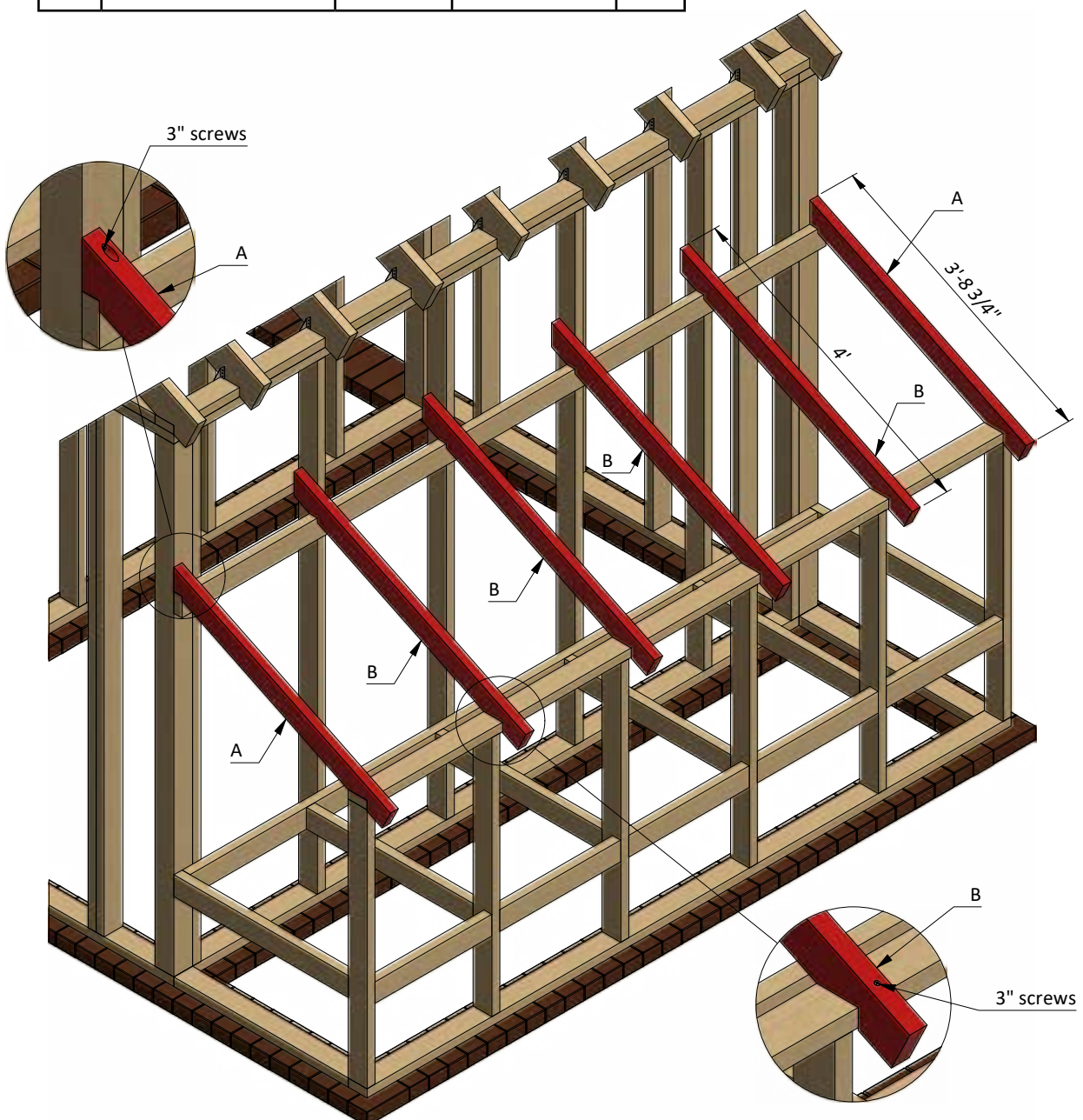
Right Wall Nest Assembly

8.1 Using 2x4 lumber, construct nest roof frame using the drawing below as a reference. You will need four boards cut to 4' and two boards cut to 3'-8 3/4" that will be the rafters.

8.2 Provide cuttings for connection with wall frames according to the drawings below. Fix 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°.

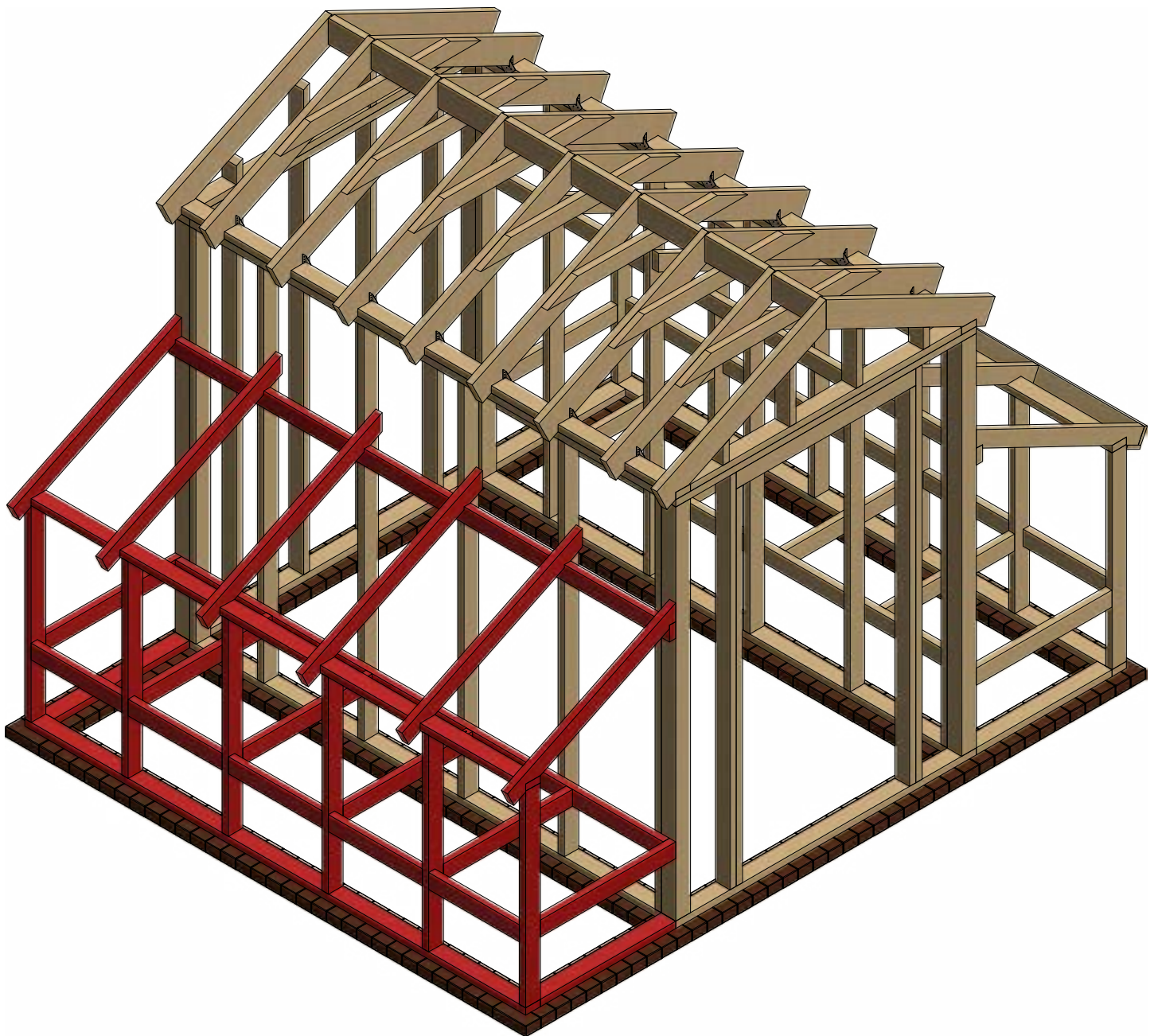
Pos	Description	Material	Dimension	Qty
A	Rafter	2x4	3'-8 3/4"	2
B	Rafter	2x4	4'	4



STEP 9

Left Wall Nest Assemble

9.1 Repeat previous steps to assemble nest for the left wall.



STEP 10

Assemble and Install Coop's Door

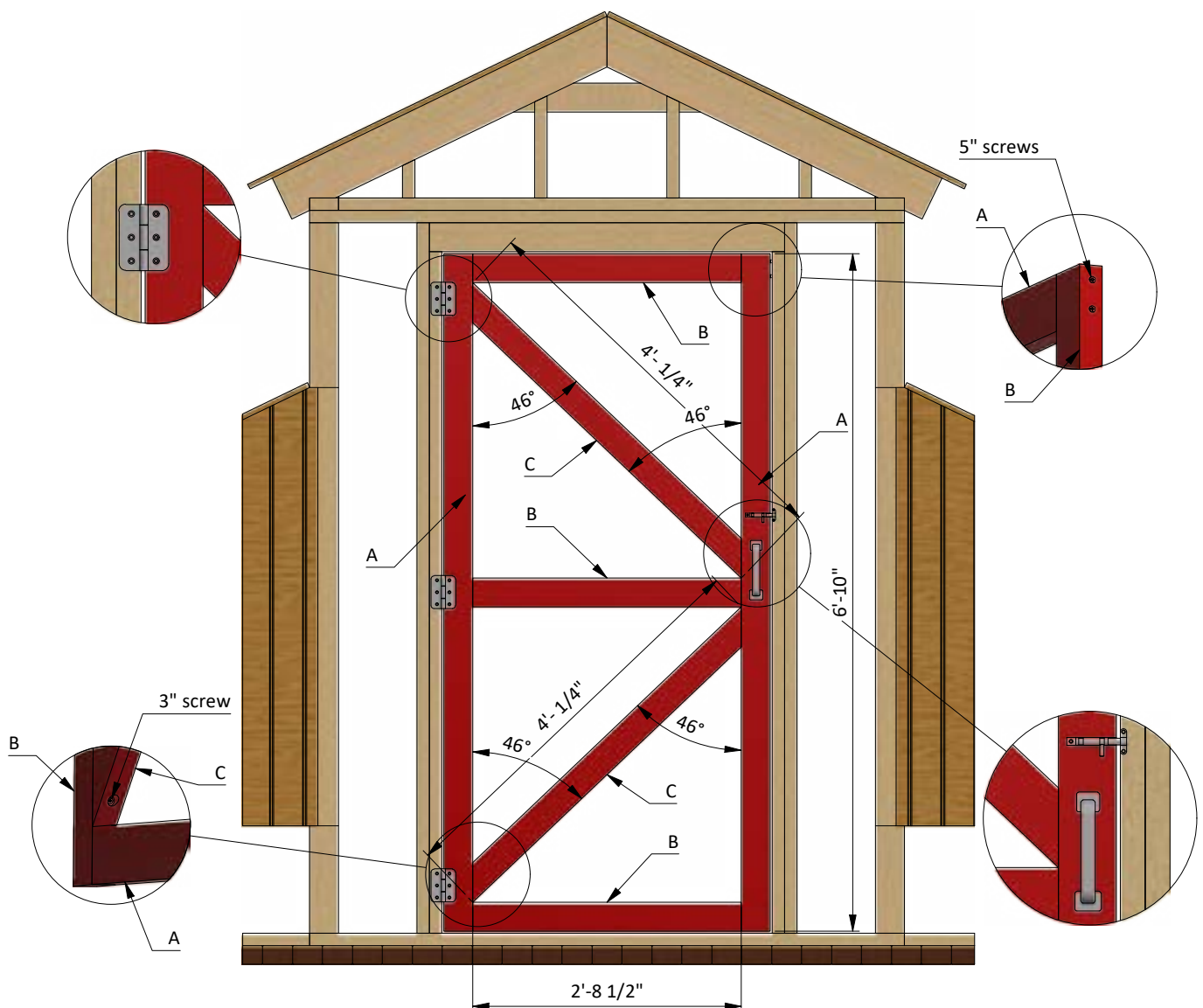
10.1 Build the door frame for the aviary using 2x4 lumber and secure with 3" and 5" wood screws.

You will need two boards cut to 6'-10" that will be the vertical girts, three boards cut to 2'-8 1/2" that will be the horizontal girts and two boards cut to 4'-1/4" that will be a cross braces.

10.2 Install three 3" door hinges using 1" wood screws.

Finish the doors installation by attaching 4" surface bolt and 6" door pull.

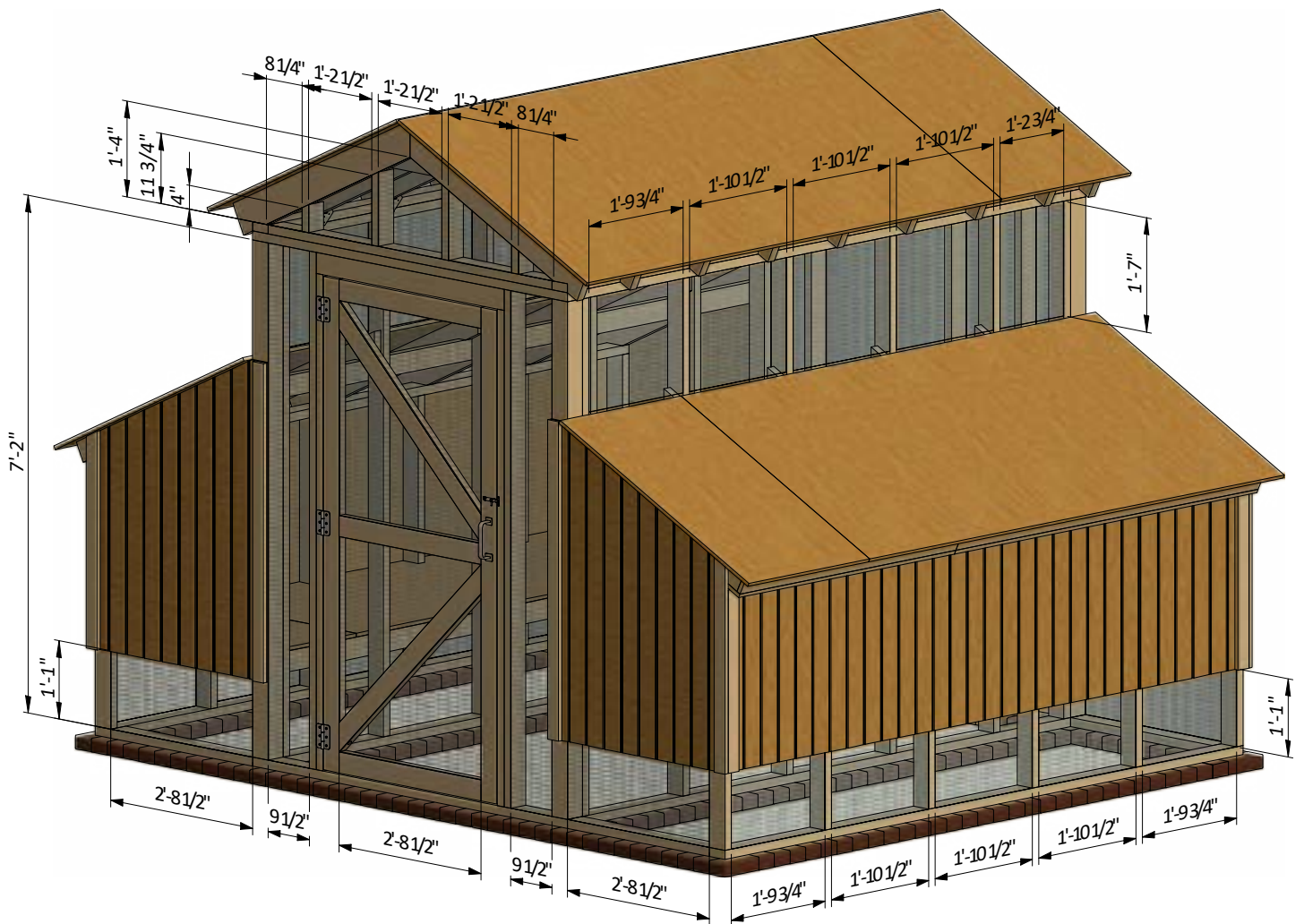
Pos	Description	Material	Dimension	Qty
A	Girt	2x4	6'-10"	2
B	Girt	2x4	2'-8 1/2"	3
C	Cross braces	2x4	4'-1/4"	2



STEP 11

Aviary's Mesh Wall Installation

11.1 Prepare 1/4" wire mesh in the amount of 140 sq. ft and install it on the inner side of the frames with the help of industrial stapler.



STEP 12

Roof Sheathing Installation

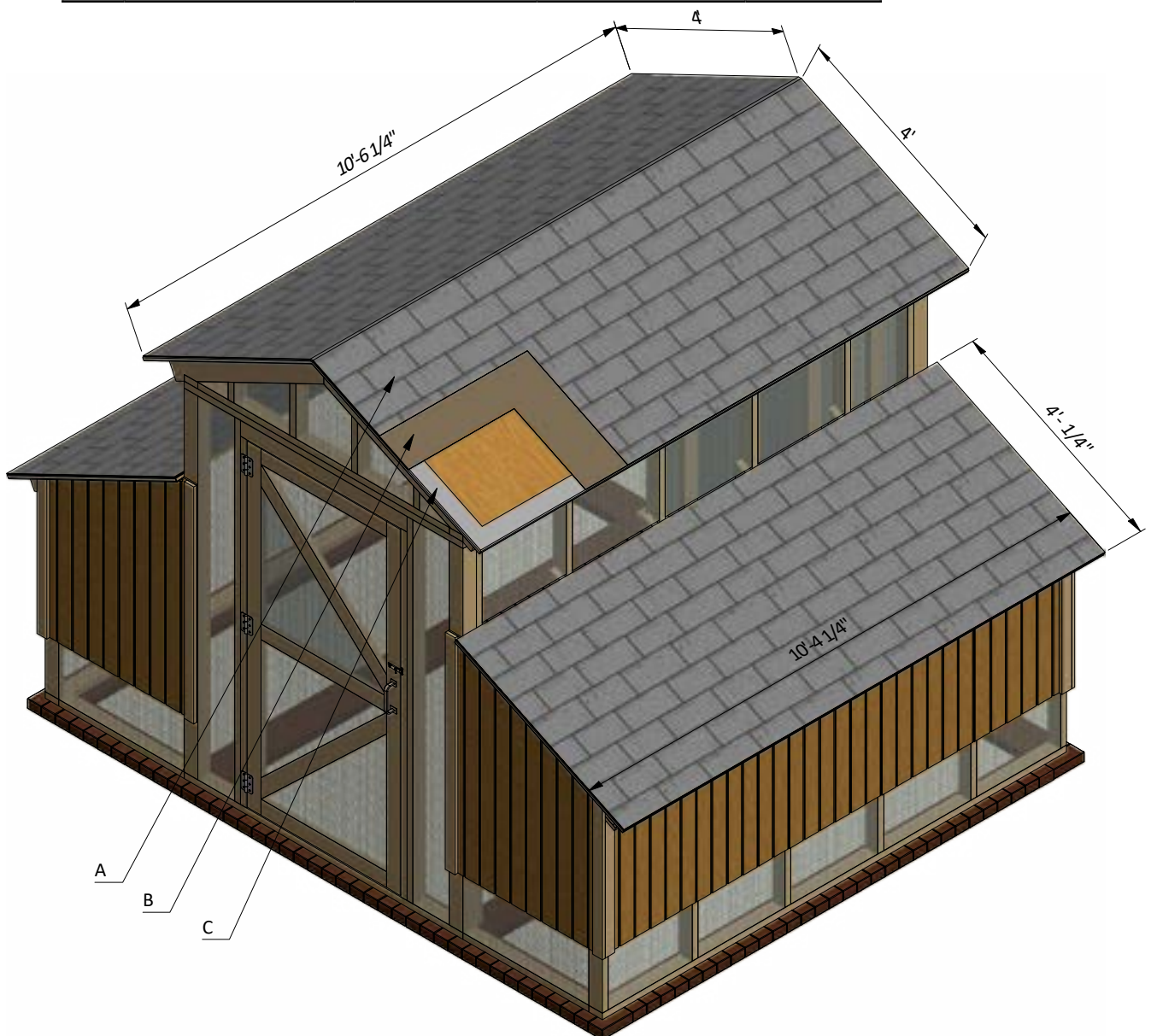
12.1 You will need 180 Sq Ft of asphalt shingle roofing.

12.2 Add the metal drip edge to the roof plane edges.

12.3 Cover the plywood with building paper.

12.4 Install asphalt shingle roofing using an industrial stapler.

Pos	Description	Material	Dimension	Qty
A	Asphalt shingle	-	-	180 sq.ft
B	Building paper	-	-	180 sq.ft
C	Metal drip edge	6"	-	80 ft



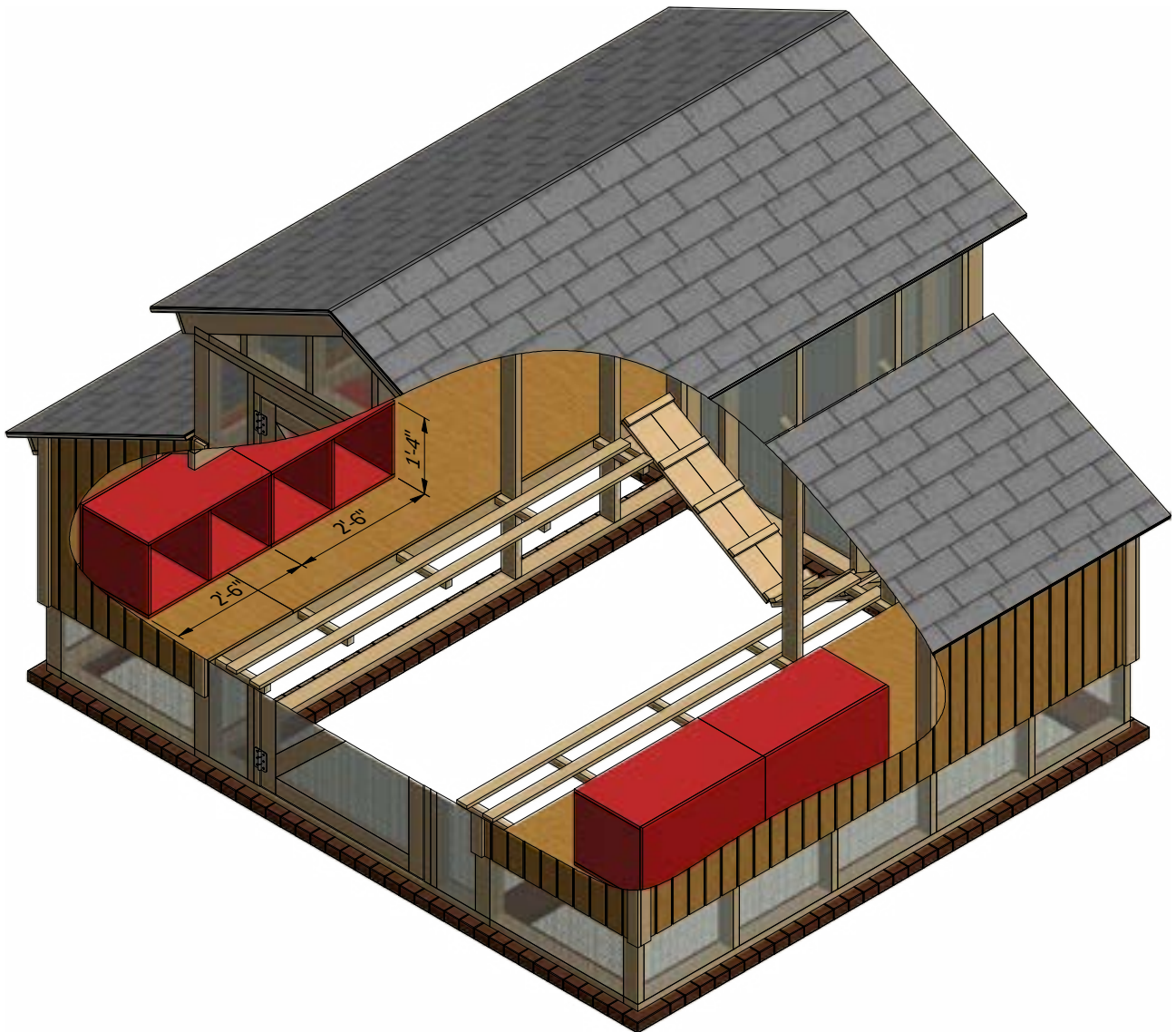
STEP 13

Assemble The Nesting Boxes

You will need to assemble two boxes for the right wall and two boxes for the left wall.

13.1 Cut 5/8" plywood for the box according to the drawing. For each box you will need to cut three 1'-4" x 2'-6" sheets for the top, bottom and back planes and three 1'-2 3/4" x 1'-4" sheets for the side and inner partitions.

Pos	Description	Material	Dimension	Qty
A	Wall plane	5/8" Plywood	1'-4" x 2'-6"	12
B	Wall plane	5/8" Plywood	1'-2 3/4" x 1'-4"	12



STEP 14

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	21	87
Illustrations for Each Step	✓	✓
Print Ready	✓	✓
Step By Step Instructions	✓	✓
Full Materials and Cuttings List	✗	✓
Additional Illustrations	✗	✓
Additional Blueprints	✗	✓
Tools List	✗	✓
Fastening Elements List	✗	✓
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Imperial/Metric versions	✗	✓

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