



12'x4' Chicken Coop Plan

Up to 10 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
Steps Count	10	20
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.

4'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

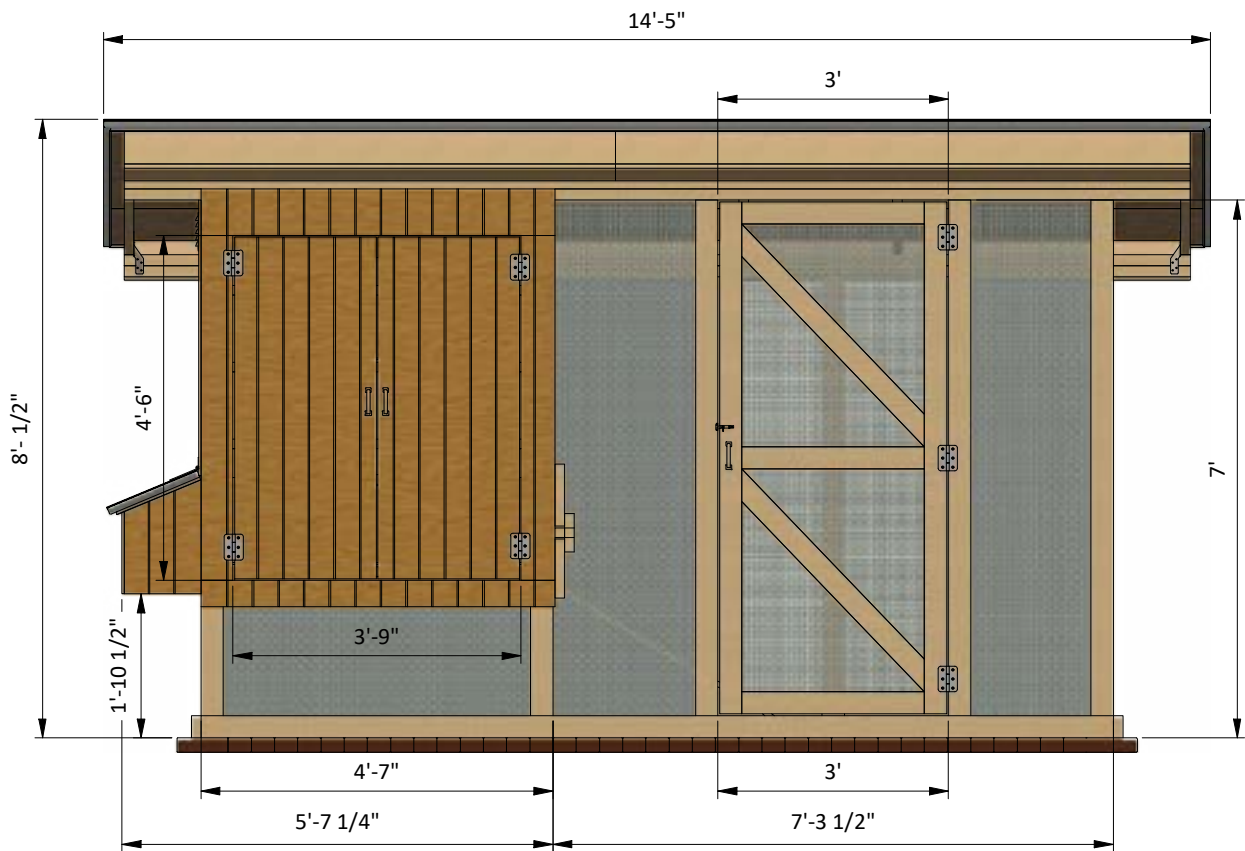
- Pressure-Treated Lumber

Fasteners & Hardware

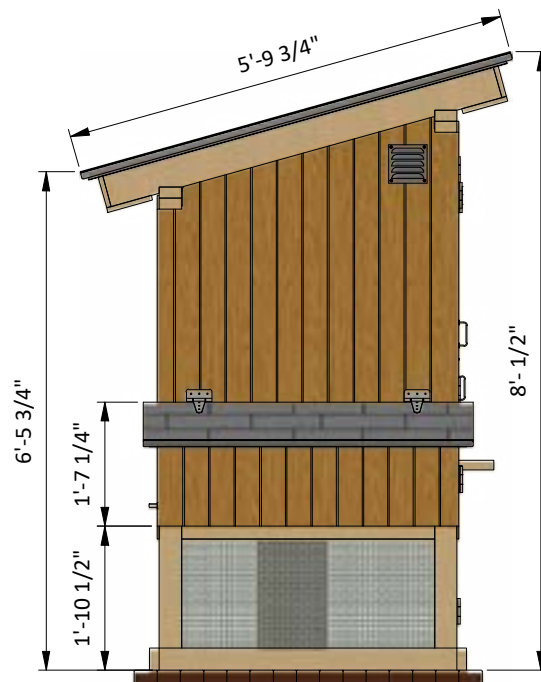
- Corner braces
- Galvanized nails
- Wood screws

Size & Dimensions

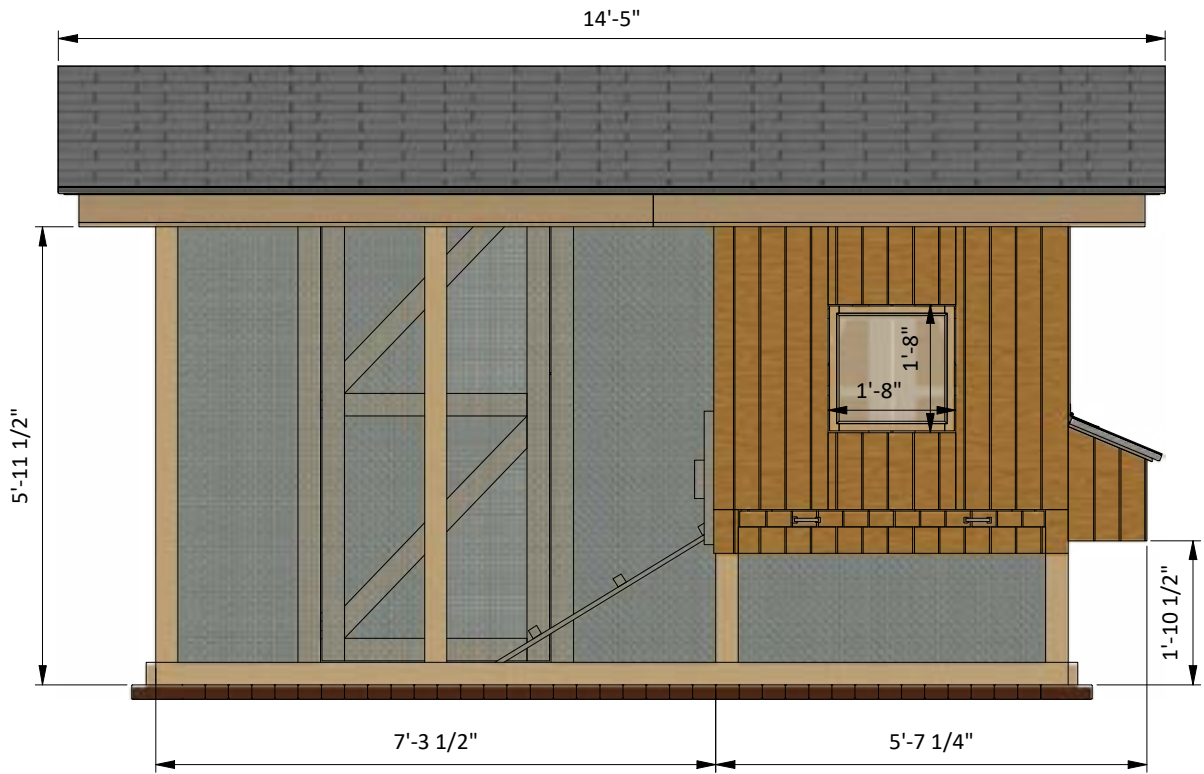
front



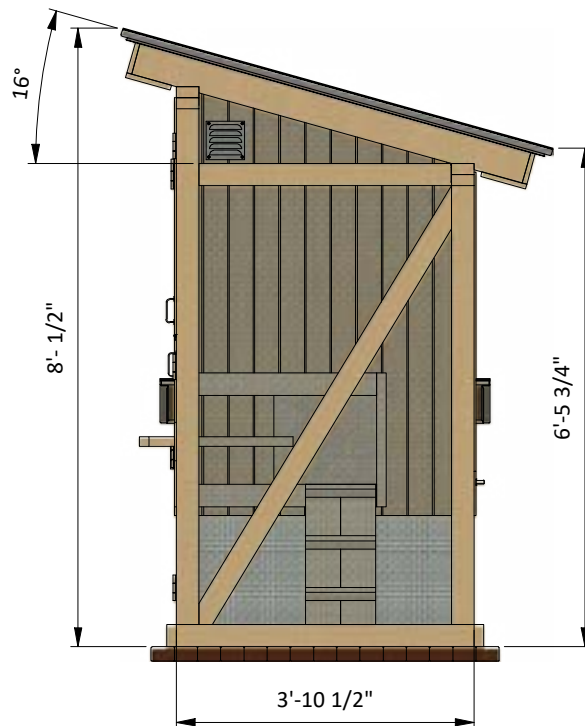
left



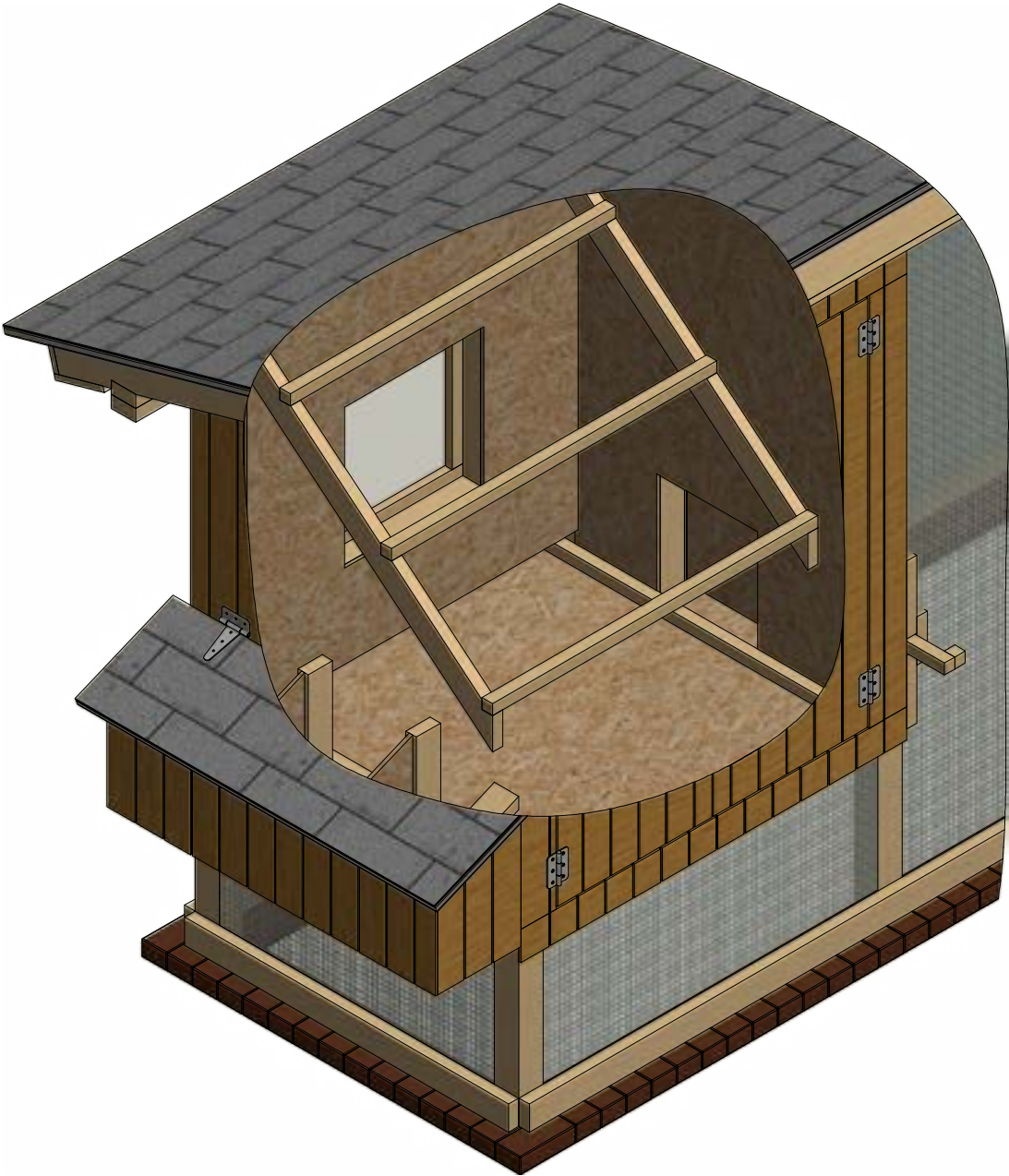
back



right



Interior view

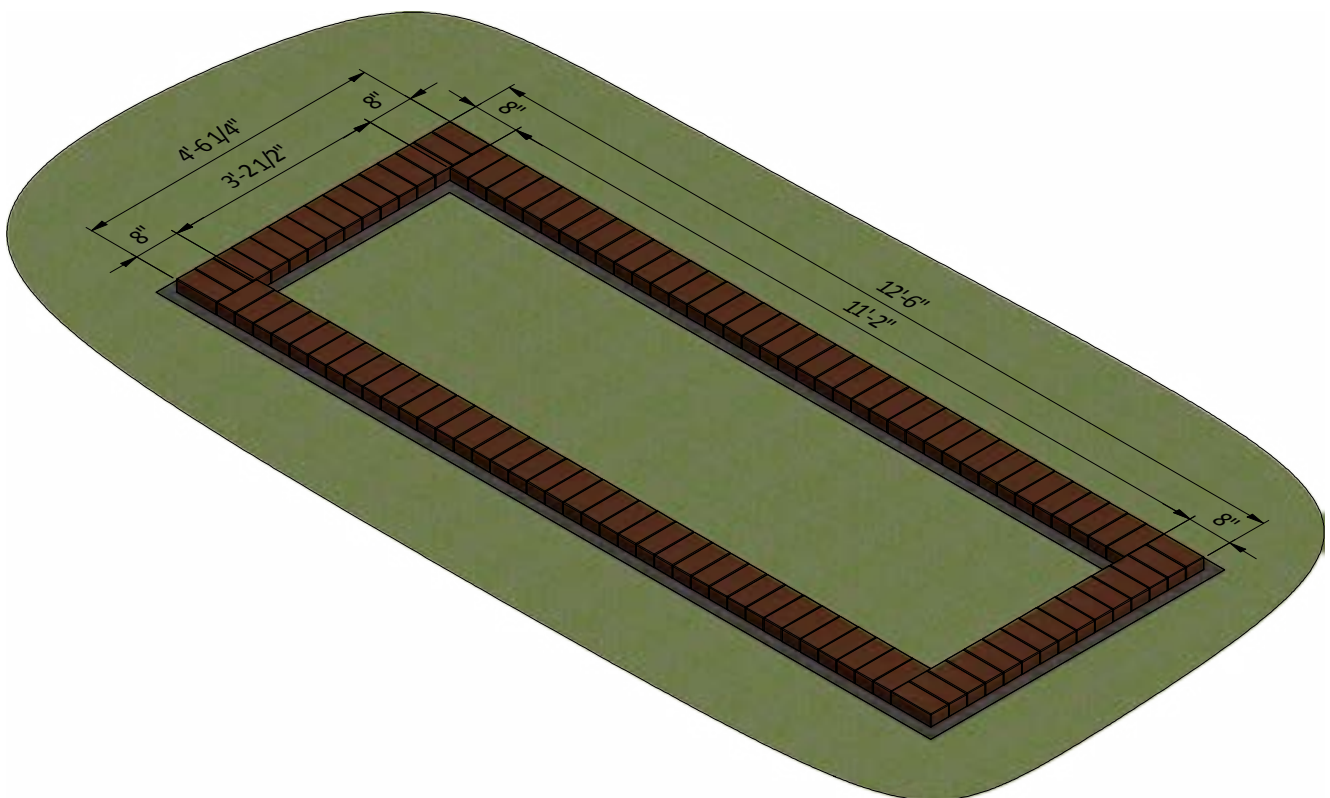
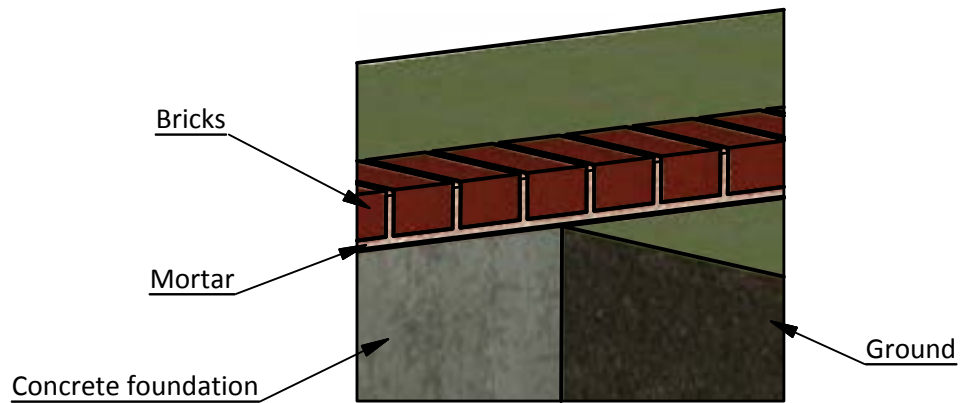


STEP 1

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 104 bricks for this step.



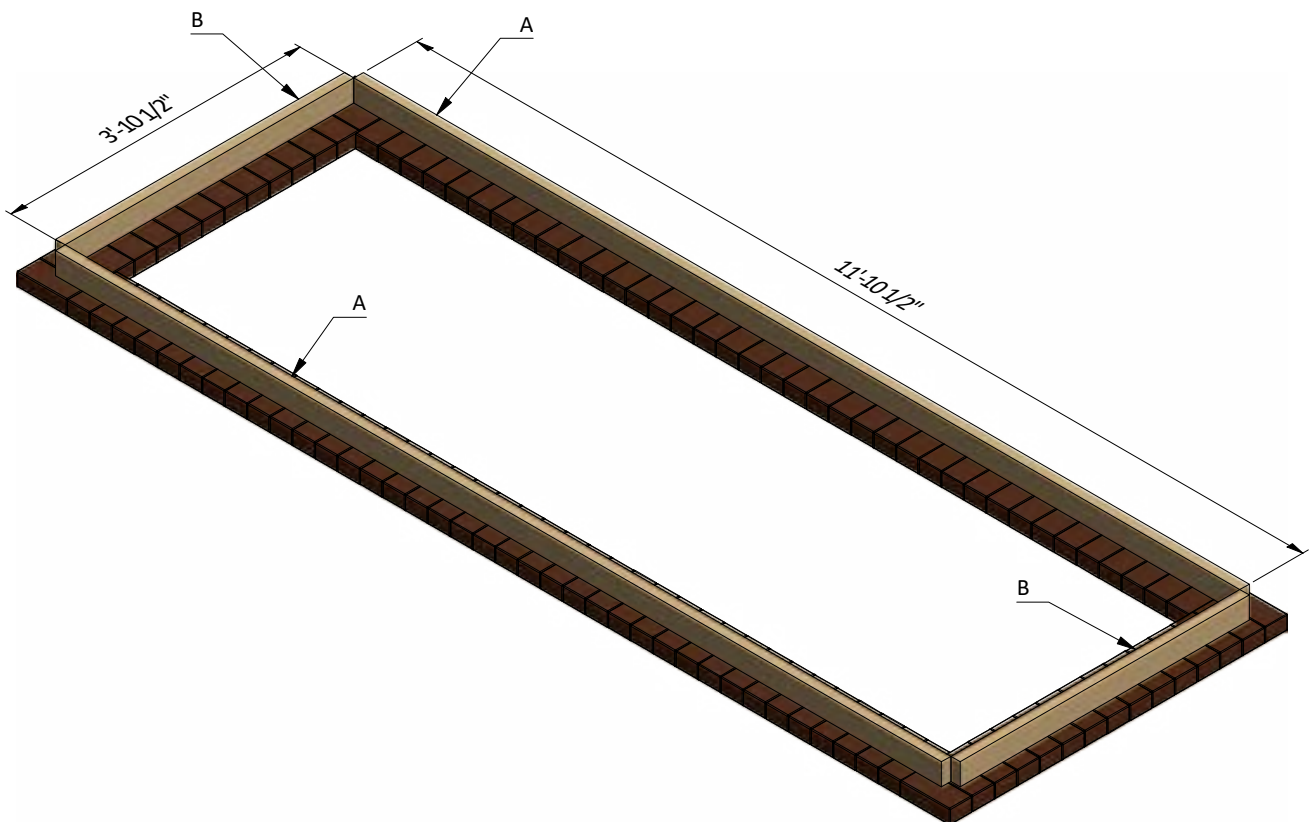
STEP 2

Framing the Coop's Main Frame

2.1 Start to assemble the frame using 2x4 lumber. You will need to prepare two rim joists and two joist according to the cutting list and drawing below.

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

Pos	Description	Material	Dimension	Qty
A	Rim joist	2x4	11'-10 1/2"	2
B	Joist	2x4	3'-10 1/2"	2



STEP 3

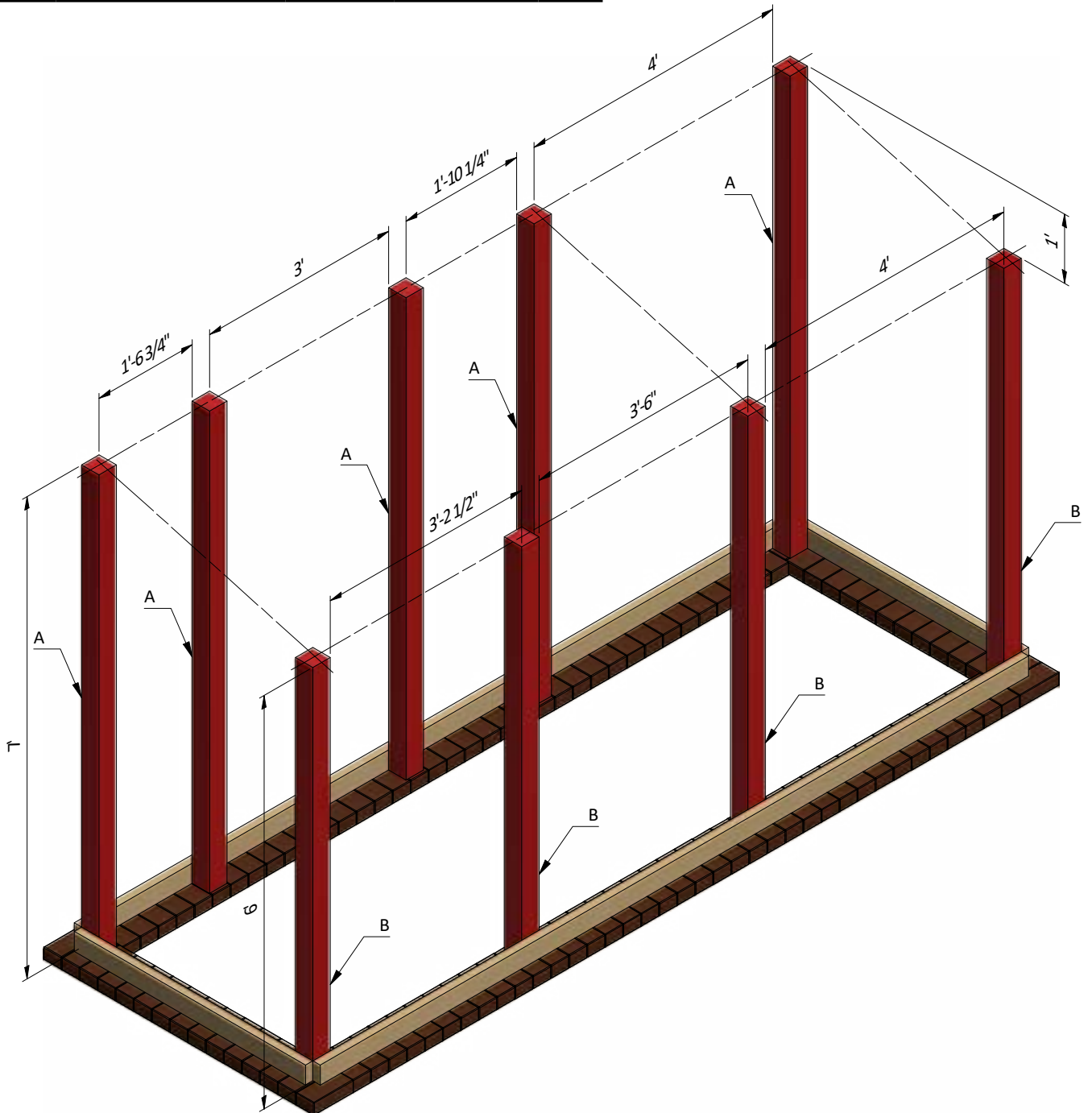
Assemble the Main Frame

3.1 Using 4x4 lumber, install the wall studs using the drawing below as a reference. You will need to prepare five front studs and four back side studs according to the cutting list and drawing 3 below.

3.2 Secure the beams to the bottom rails 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	4x4	7'	5
B	Stud	4x4	6'	4



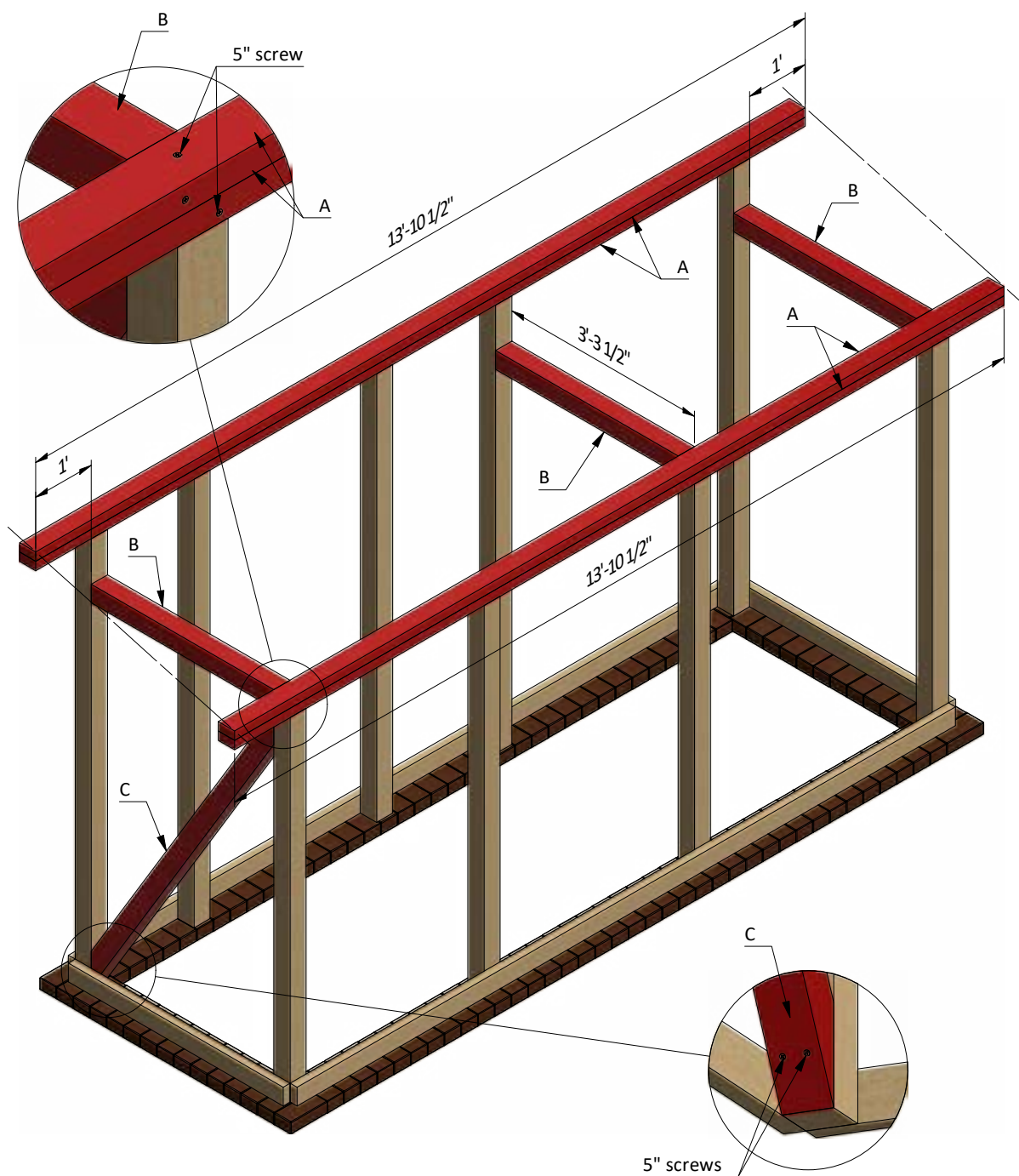
STEP 4

Assemble The Top Beams

4.1 Assemble the top beams using 2x4 and 4x4 lumber. To increase the load-bearing capacity, the long top beam is made up of two 2x4 beams .

4.2 Connect the beams to the studs with 5" wood screws.

4.3 Using 4x4 lumber, install the cross brace using the drawing below as a reference. Cut the edges to fit the studs.



STEP 5

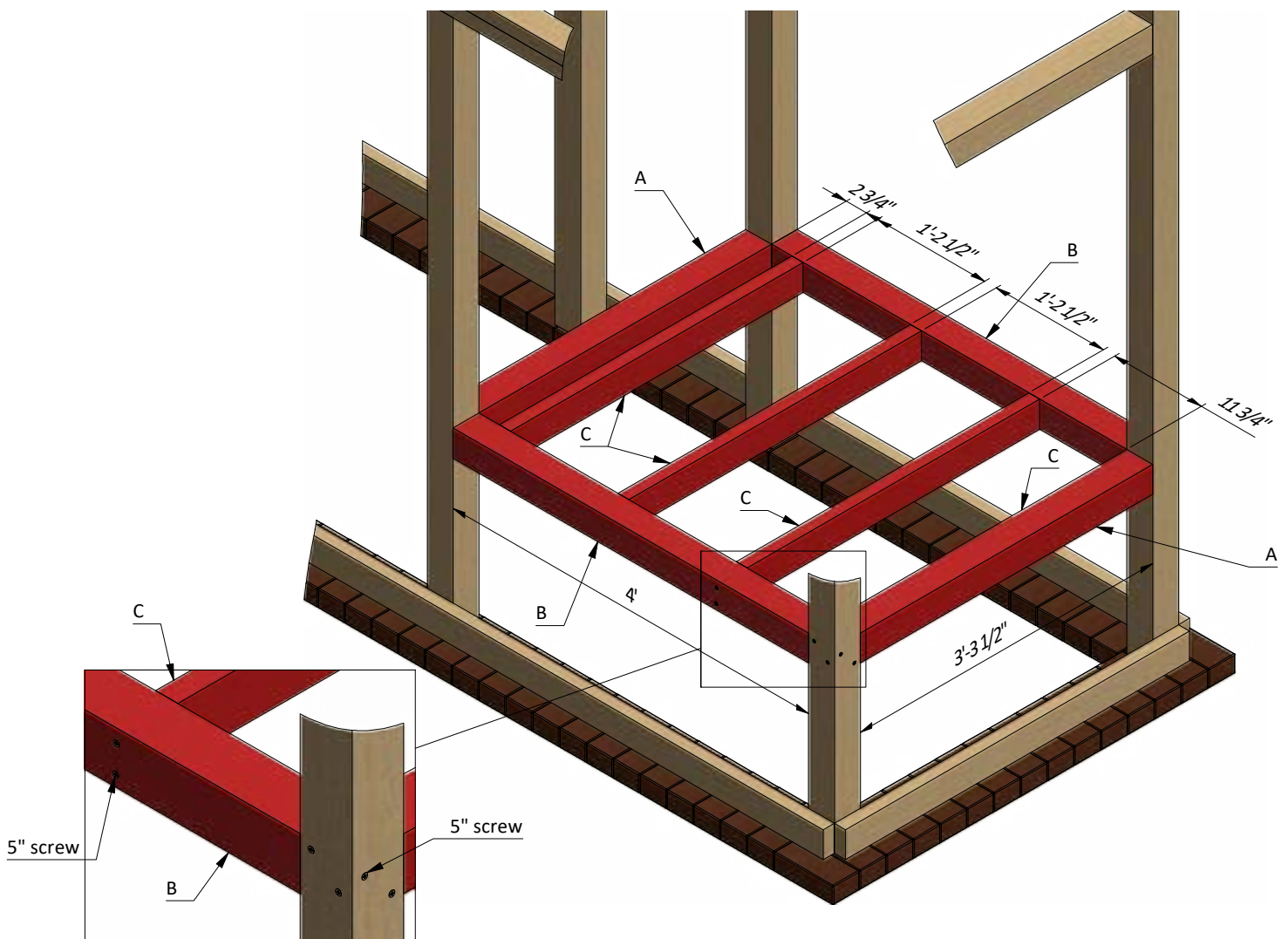
Assemble The Floor Frame

5.1 Using 2x4 and 4x4 lumber, cut joists and assemble the floor frame using the illustrations below as a reference. You will need to prepare seven joists according to the cutting list.

5.2 Connect the beams with 5" 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	Joist	4x4	3'-3 1/2"	2
B	Joist	4x4	4'	2
C	Joist	2x4	3'-3 1/2"	3



STEP 6

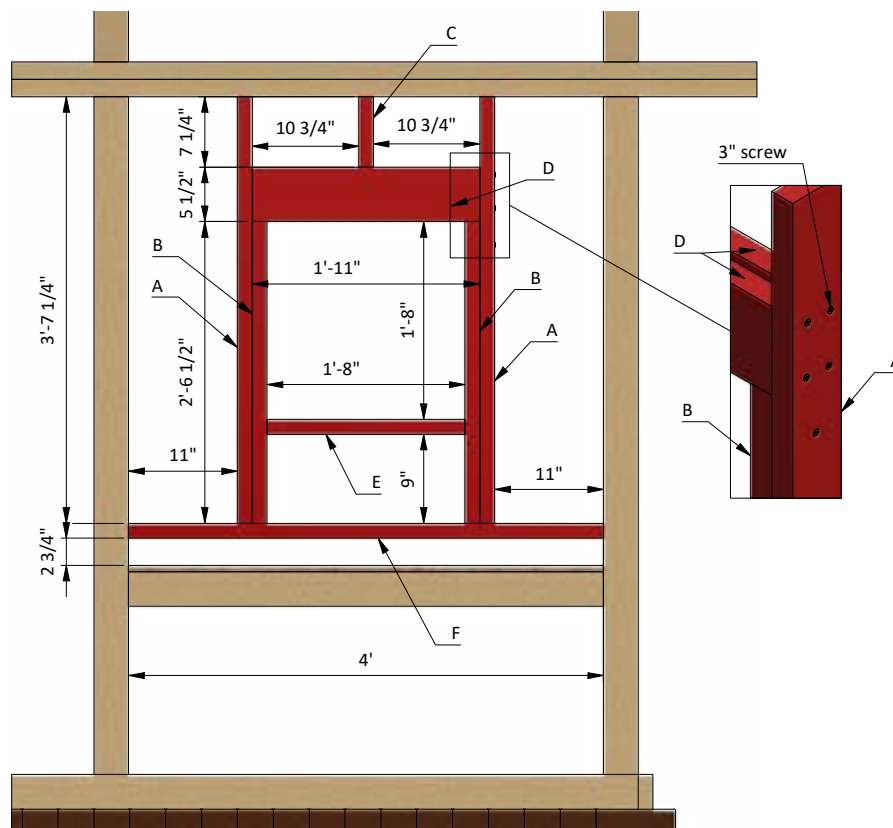
Assemble Back Side Wall Frame

6.1 Using 2x4 and 2x6 lumber, construct back side wall frame using the drawing below as a reference. You will need to prepare studs, window header, rough sill, bottom plate and cripple stud according to the cutting list below.

6.2 Connect the beams with 3" and 5" 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	Stud	2x4	3'-7 1/4"	2
B	Stud	2x4	2'-6 1/2"	2
C	Cripple stud	2x4	7 1/4"	1
D	Window header	2x6	1'-11"	2
E	Rough sill	2x4	1'-8"	1
F	Bottom beam	2x4	4'	1



STEP 7

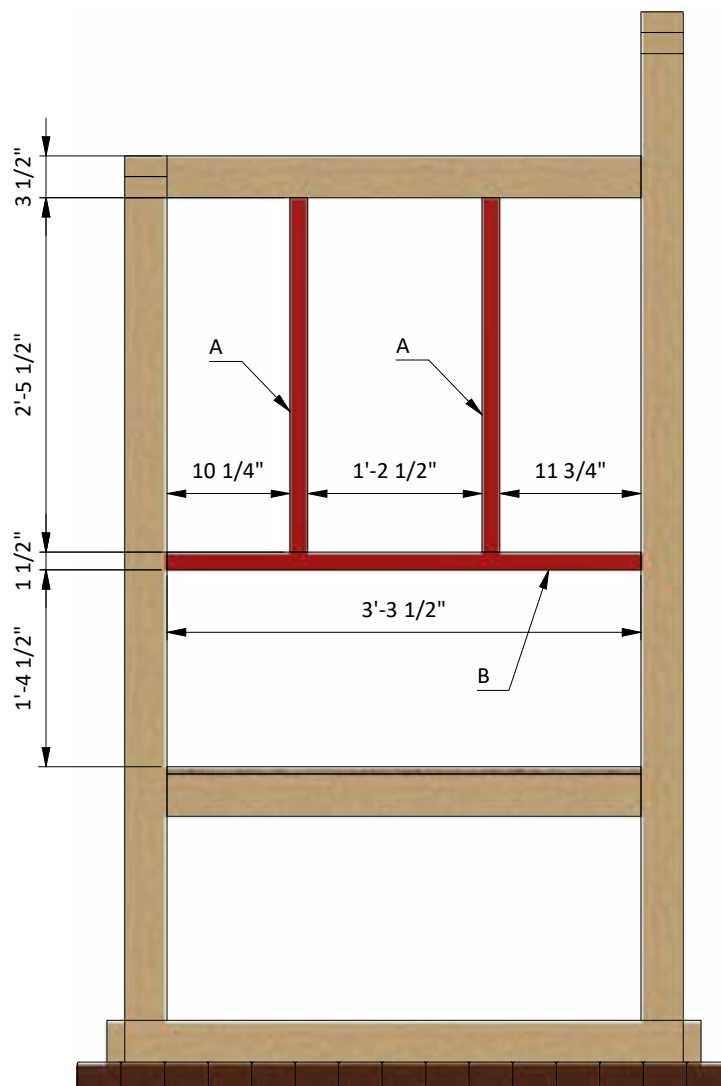
Assemble Left Side Wall Frame

7.1 Using 2x4 lumber, construct left side wall frame using the drawing below as a reference. You will need to prepare studs and bottom beam according to the cutting list below.

7.2 Connect the beams with 3" and 5" 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	Stud	2x4	2'-5 1/2"	2
B	Bottom beam	2x4	3'-3 1/2"	1



STEP 8

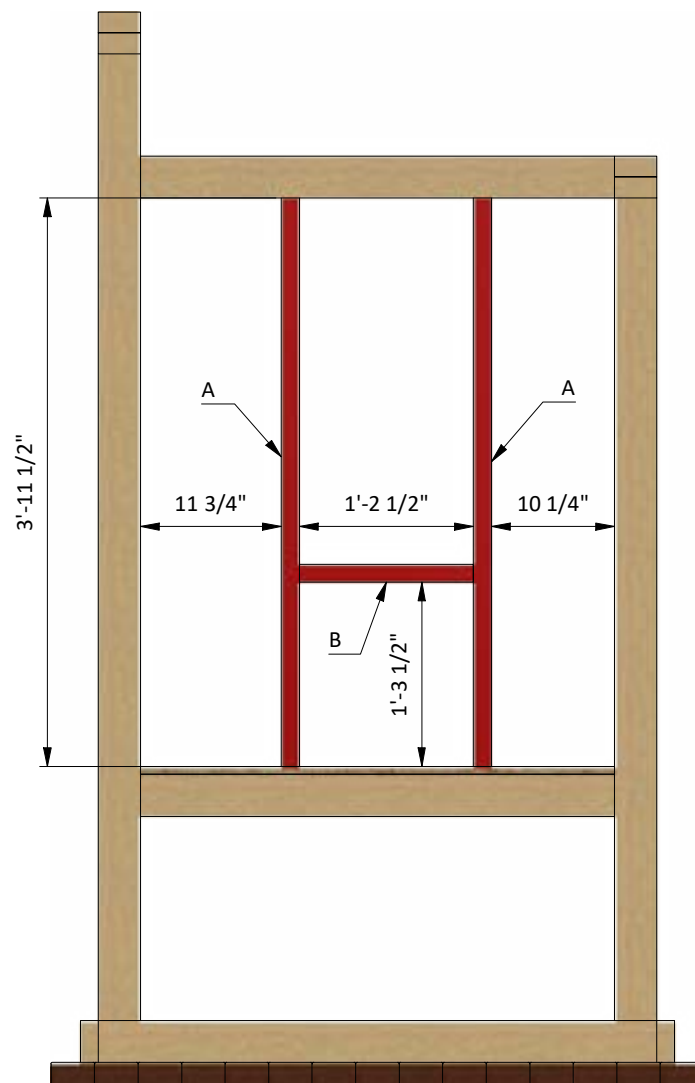
Assemble Right Side Wall Frame

8.1 Using 2x4 lumber, construct right side wall frame using the drawing below as a reference. You will need to prepare studs and chicken door header according to the cutting list below.

8.2 Connect the beams with 3" and 5" 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	Stud	2x4	3'-11 1/2"	2
B	Door header	2x4	1'-2 1/2"	1



STEP 9

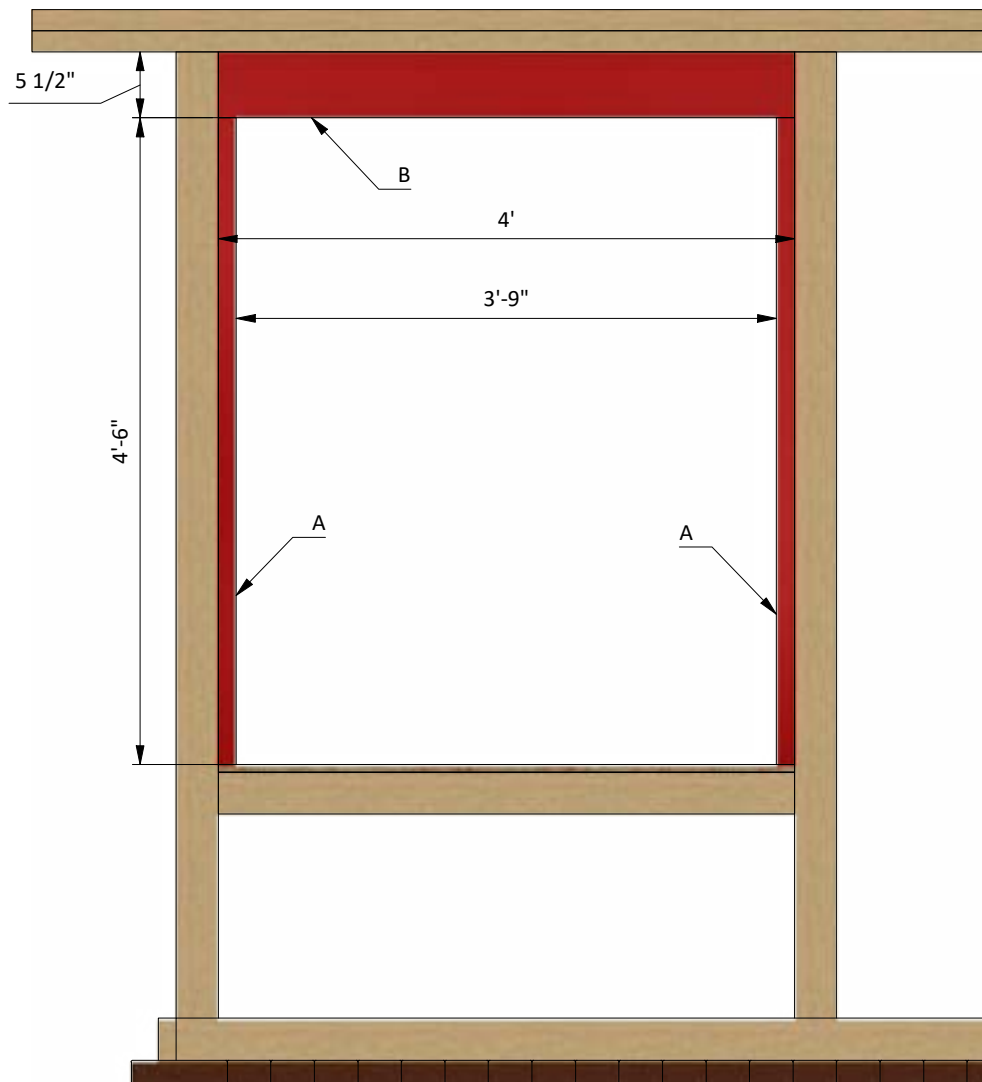
Assemble Front Wall Frame

9.1 Using 2x4 and 2x6 lumber, construct front wall frame using the drawing below as a reference. You will need to prepare studs and door header according to the cutting list below.

9.2 Connect the beams with 3" and 5" 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	Stud	2x4	4'-6"	2
B	Door header	2x6	4'	2



STEP 10

Assemble the Roof Frame

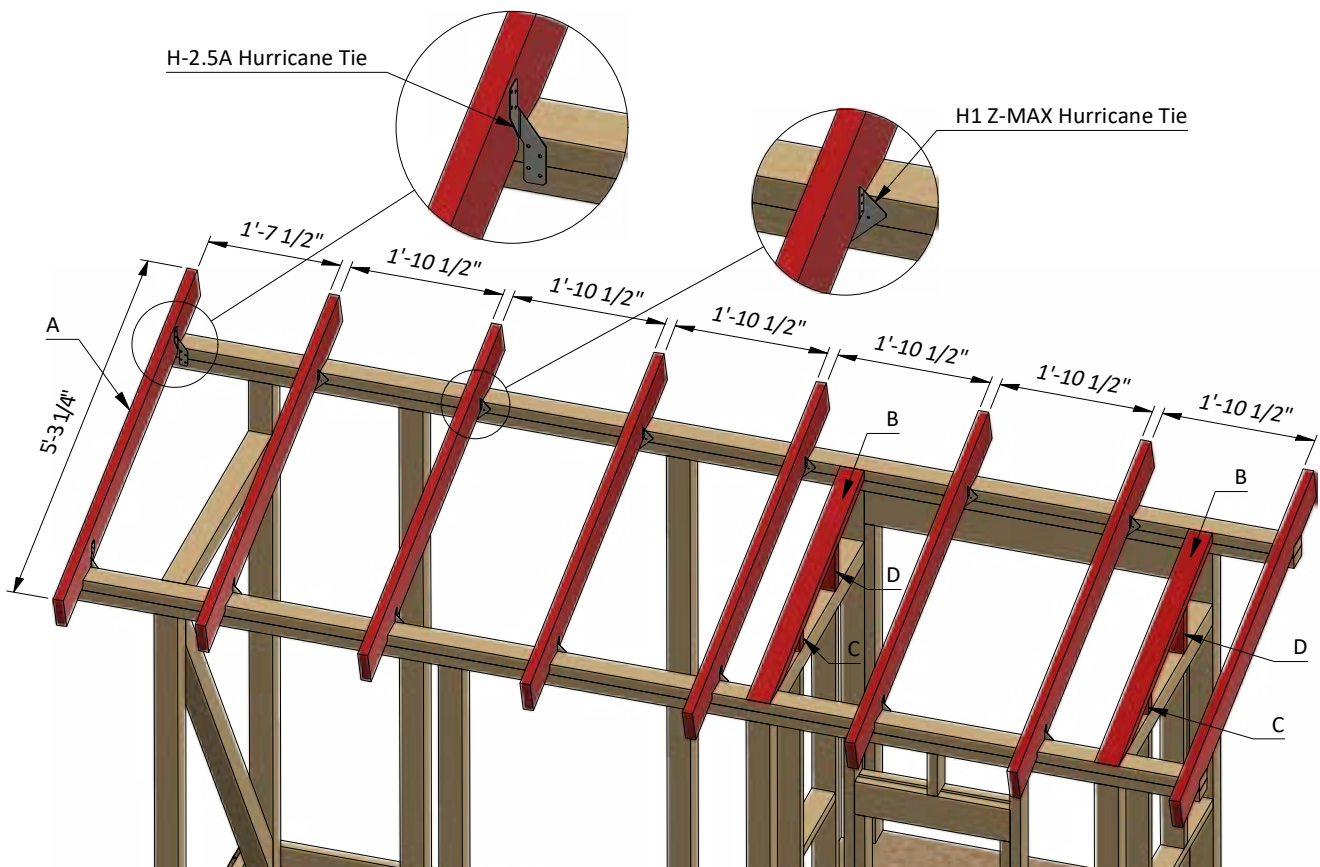
10.1 Using 2x6 lumber, cut eight rafters 5'-3 1/4" long according to the dimensions in drawing below. Cut the recesses in each beam for splicing connection with wall frames.

10.2 Connect the rafters with H1 Z-MAX Hurricane Tie and one side H-2.5A Hurricane Tie to the top bams.

10.3 Using 2x4 lumber, prepare two top beams and four gable wall studs according to the drawings and cutting list below

10.4 Connect the beams to the top frame with the help of 3" and 5" wood screws.

Pos	Description	Material	Dimension	Qty
A	Rafter	2x6	5'-3 1/4"	8
B	Top beam	2x4	3'-8 3/4"	2
C	Gable wall studs	2x4	2 3/4"	2
D	Gable wall studs	2x4	7 1/4"	2



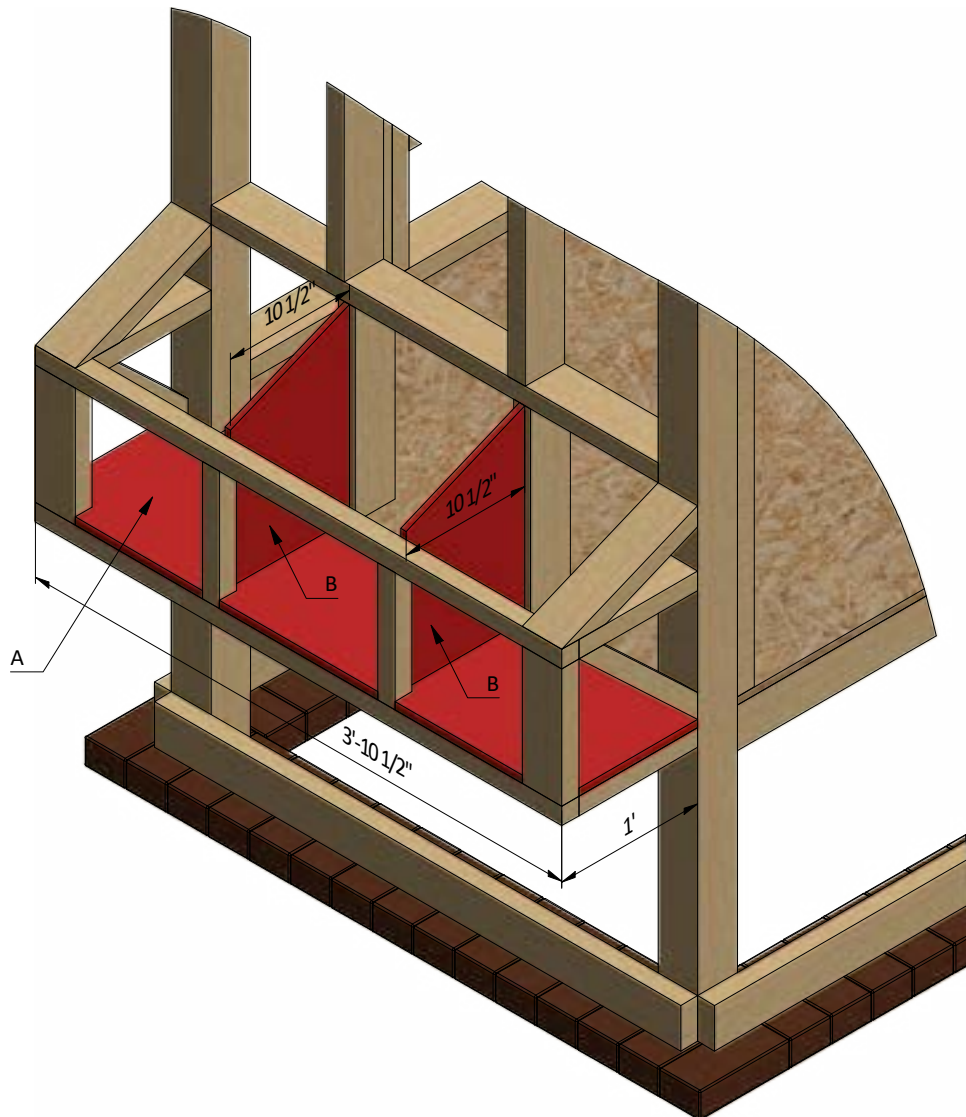
STEP 11

Install Plywood for the Nesting Box

11.1 Cut sheets of 1/2" OSB for the nesting box sheathing using the drawing below as a guide. You will need to prepare one sheet for the floor and two sheets for inner partitions according to the cutting list below.

11.2 Secure the OSB with 1" and 2" wood screws.

Pos	Description	Material	Dimension	Qty
A	Floor sheathing	1/2" OSB	1' x 3'-10 1/2"	1
B	Partition	1/2" OSB	10 1/2" x 1'-4 1/2"	2



STEP 12

Assemble and Install Coop's Front Door

Two mirrored doors are required.

12.1 Build the door frame using 2x4 lumber. You will need to prepare vertical girts, horizontal girts and cross brace according to the cutting list below.

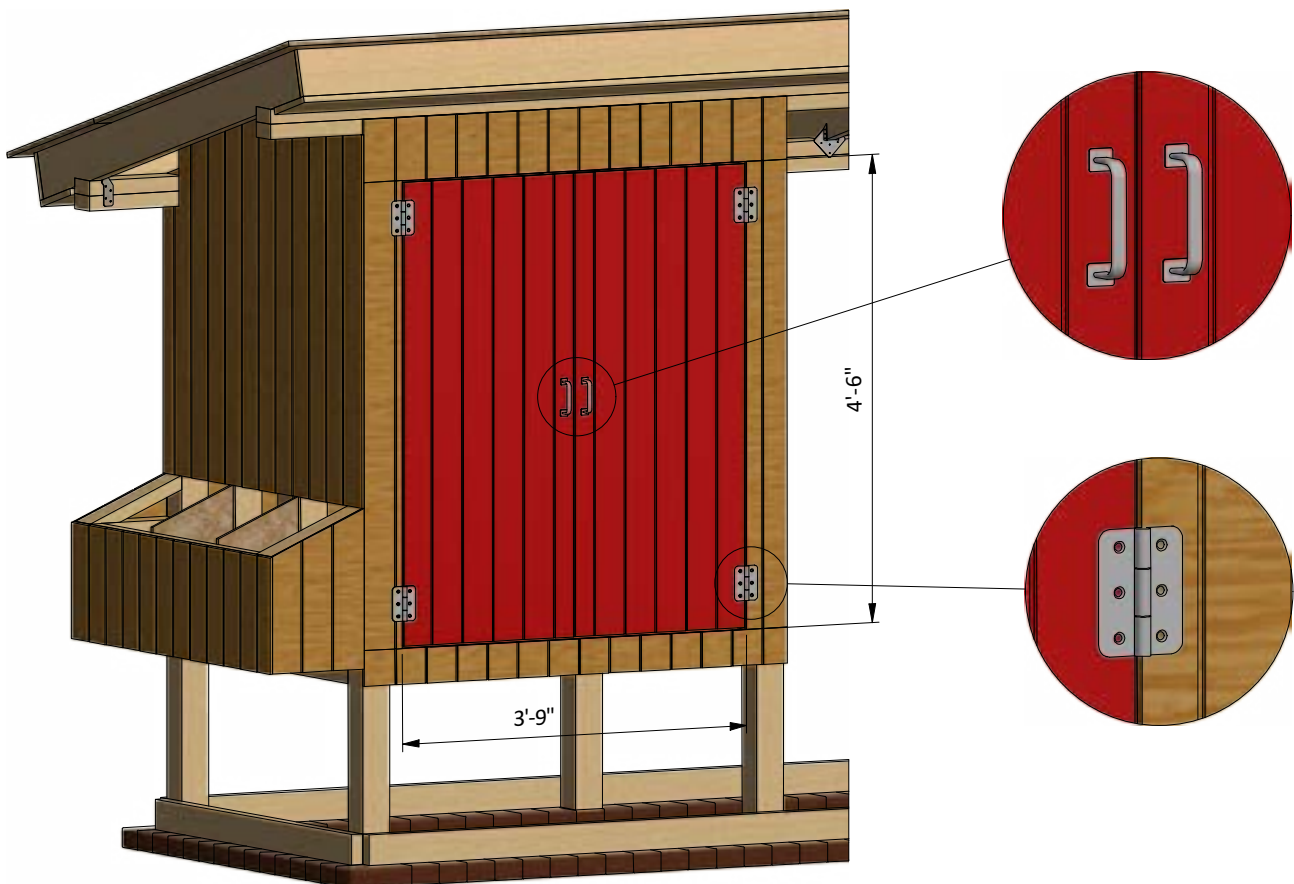
12.2 Prepare the 11/32" plywood siding for outer sheathing.

You will need to cut one 1'-10 1/4" x 4'-5 1/2" sheet for the door according to the drawing.

12.3 Install four 4" door hinges using 1" wood screws.

Finish the door installation by attaching two 6" door pulls.

Pos	Description	Material	Dimension	Qty
A	Girt	2x4	4'-5 1/2"	4
B	Girt	2x4	1'-3 1/4"	4
C	Cross brace	2x4	4'-3/4"	2
D	Door sheathing	11/32" plywood	1'-10 1/4" x 4'-5 1/2"	2



STEP 13

Coop's Roof Sheathing Installation

13.1 Prepare metal drip edge with 6" width. You will need 42' to cover all the perimeter.

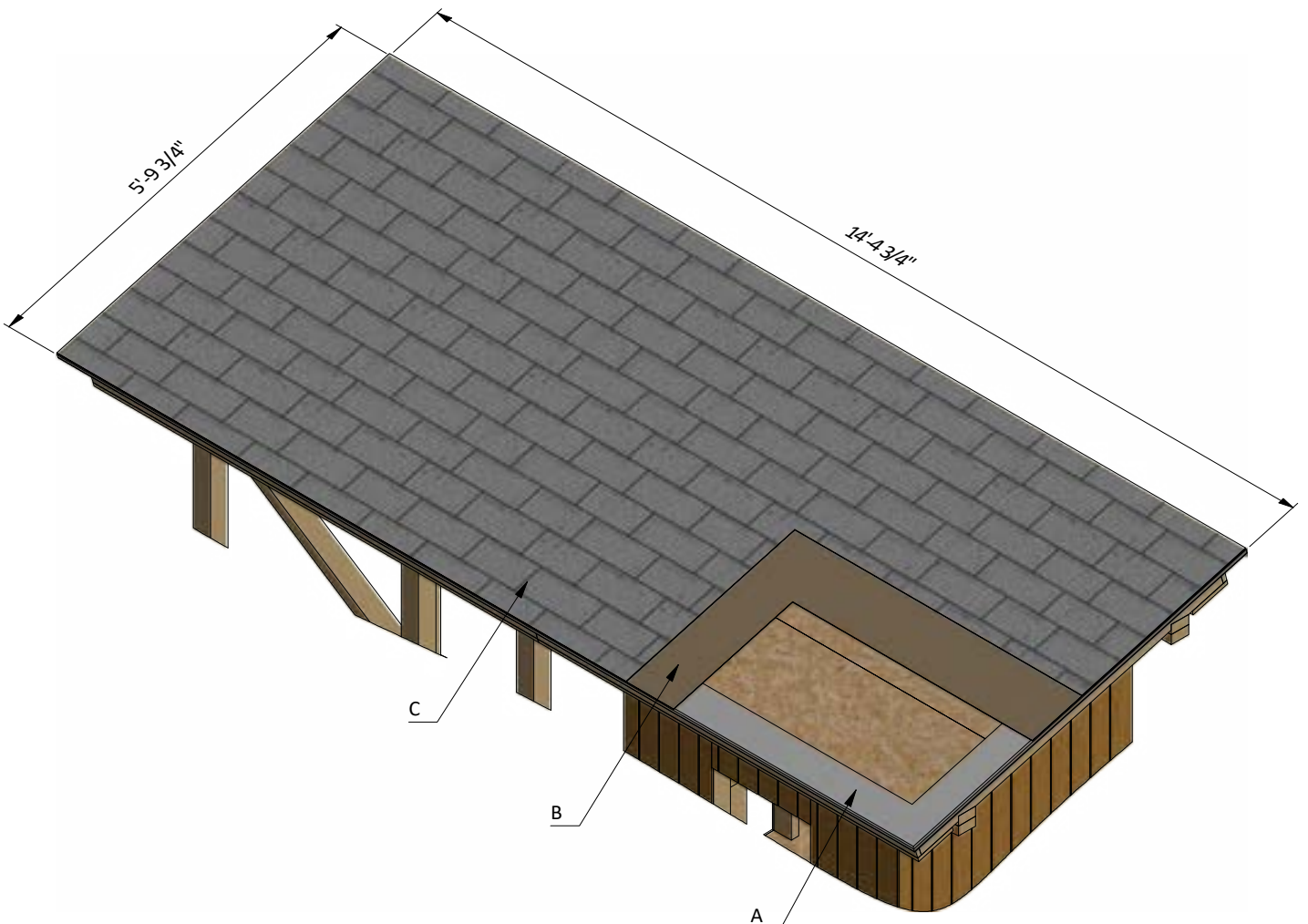
13.2 Place the drip edge down, aligning it to the OSB edge. Use 2" nails to secure the first drip edge. When you place the next drip edge piece, it should overlap the first by an inch.

13.3 You will need 85 Sq Ft of building paper and asphalt shingle roofing.

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

13.5 Install asphalt shingle roofing using an industrial stapler.

Pos	Description	Material	Dimension	Qty
A	Metal drip edge	6"	-	42'
B	Roof sheathing	Building paper	-	85 square ft
C	Roof sheathing	Asphalt shingle roofing	-	85 square ft



STEP 14

Assemble and Install Window

14.1 Using 2x2 lumber, assemble the outer frame for the window as shown in the drawing below. You will need four boards cut to 1'-7 1/2" that will be the vertical and horizontal girts. Cut the recesses in each beam for splicing connection and mill a recess for the glass.

14.2 Prepare and install 1'-5 1/4" x 1'-5 1/4" glass into inner frame groove and fasten it by window beading from four sides. Use 1/2" galvanized nails.

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

Pos	Description	Material	Dimension	Qty
A	Girt	2x2	1'-7 1/2"	2
B	Girt	2x2	1'-7 1/2"	2
C	Window beading			6ft
D	Glass	1/8"	1'-5 1/4" x 1'-5 1/4"	1



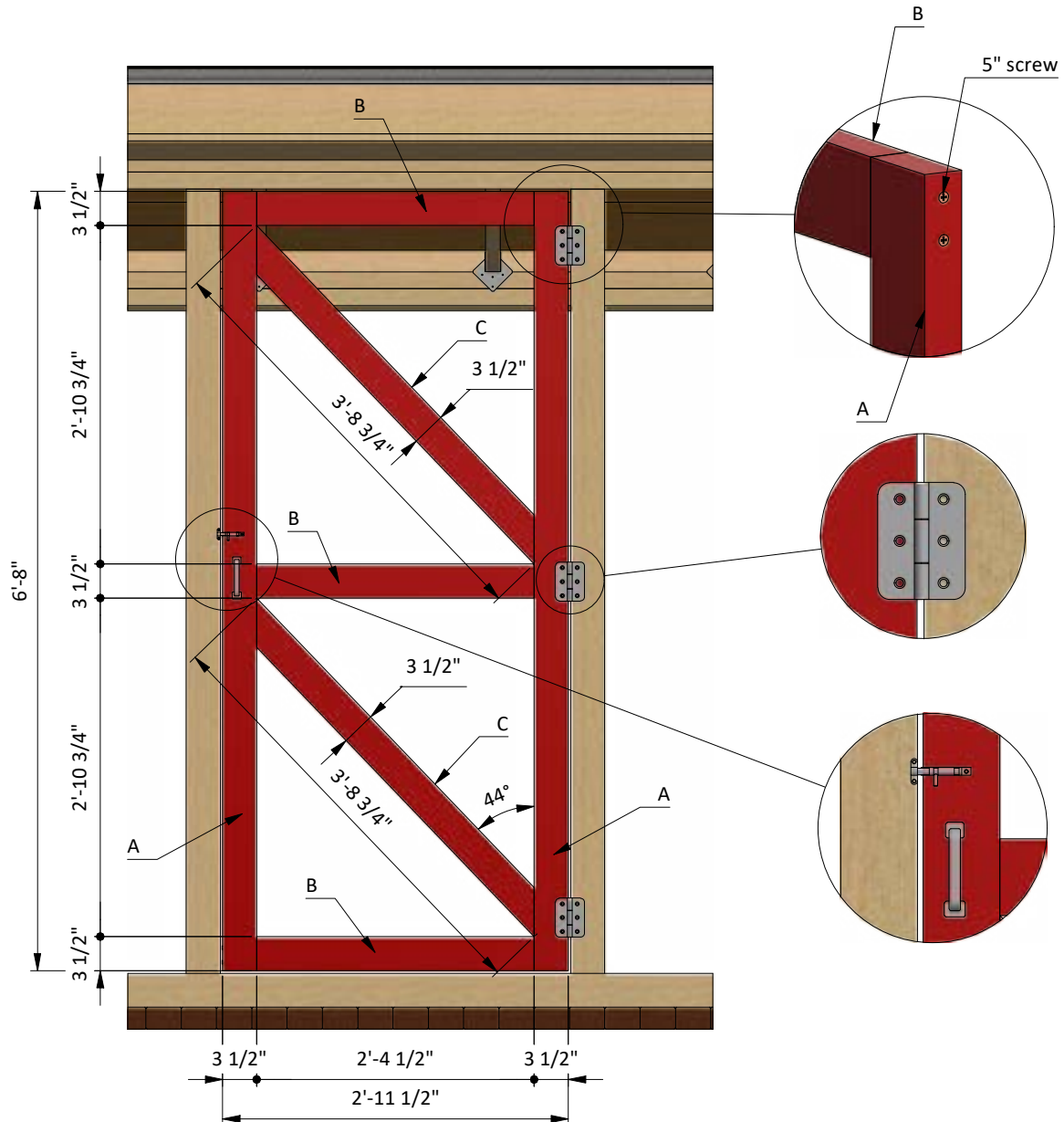
STEP 15

Assemble and Install Aviary Side Door

15.1 Build the door frame using 2x4 lumber. You will need two boards cut to 6'-8" that will be the vertical girts, three boards cut to 2'-4 1/2" that will be the horizontal girts and two boards cut to 3'-8 3/4" that will be cross braces.

15.2 Install three 4" door hinges using 1" wood screws. Finish the door installation by attaching 6" door pull and 4" surface bolt.

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



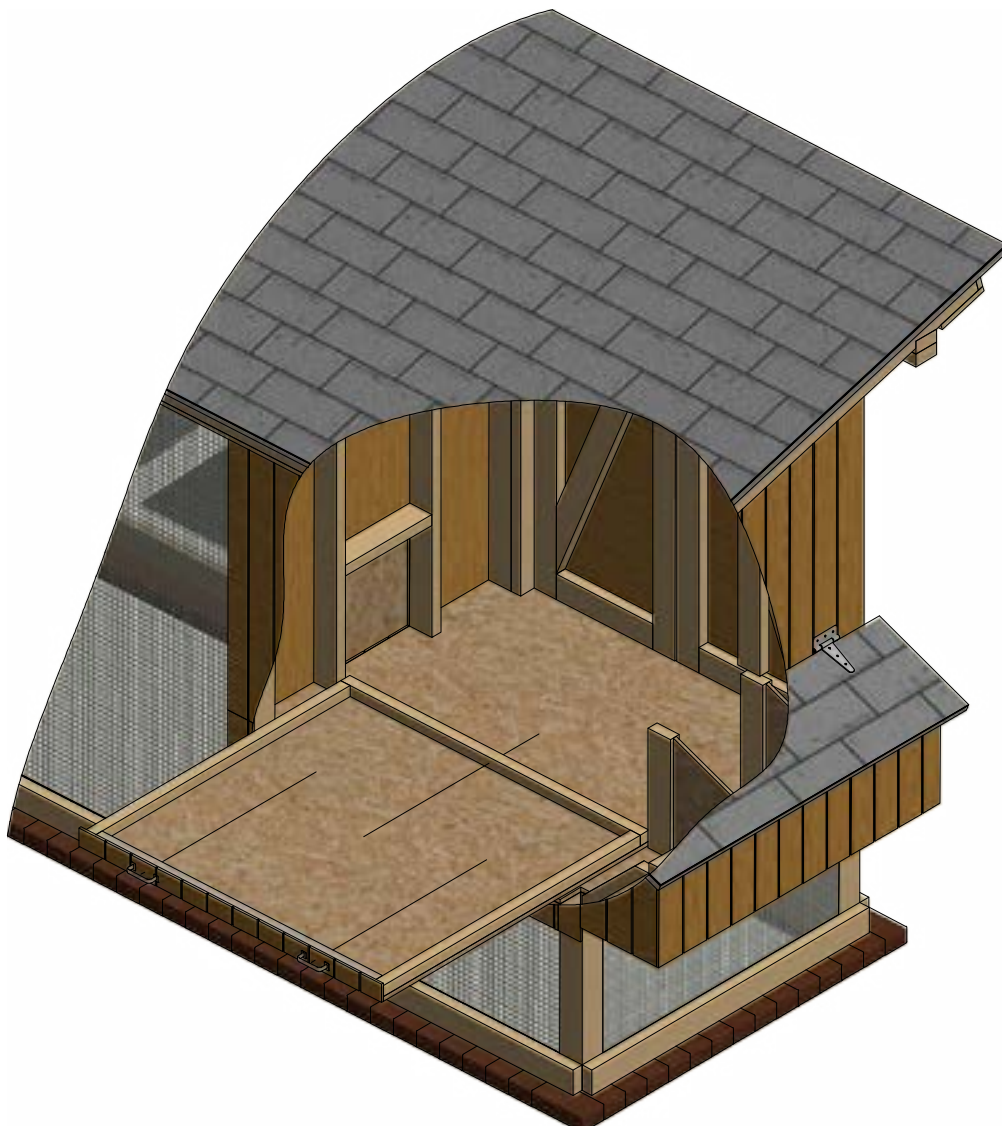
STEP 16

Assemble The Litter Tray

16.1 Assemble the litter tray using 2x2 lumber, 1/2" OSB and 11/32" plywood siding. You will need to prepare four boards for the frame. Assemble the frame and put one sheet of OSB at the bottom. Finish the tray installation by attaching 11/32" plywood siding on the front side and two 6" doorhandles.

16.2 Connect the beams and plywood with 1" and 3" wood screws.

Pos	Description	Material	Dimension	Qty
A	Girt	2x2	3'-7 1/2"	2
B	Girt	2x2	3'-8 1/2"	1
C	Girt	2x2	3'-5 1/2"	1
D	Front sheathing	11/32" plywood	2 1/2" x 3'-11 1/2"	1
E	Bottom sheathing	1/2" OSB	3'-7 1/2" x 3'-8 1/2"	1



STEP 17

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.



Get Support

If you have any questions or want to share the feedback, please do not hesitate contacting us:

<https://craft.camp/support/>

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