



17'x6' Chicken Coop Plan

Up to 12 chickens



Compare Free vs. Premium plan

	Free plan	Premium edition
Pages	21	60
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

17'x6' 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

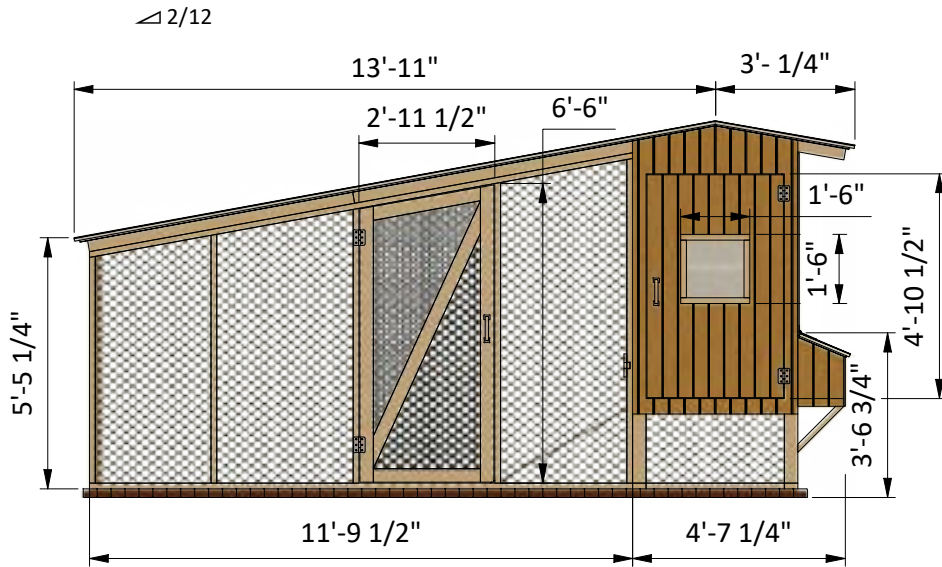
- Pressure-Treated Lumber

Fasteners & Hardware

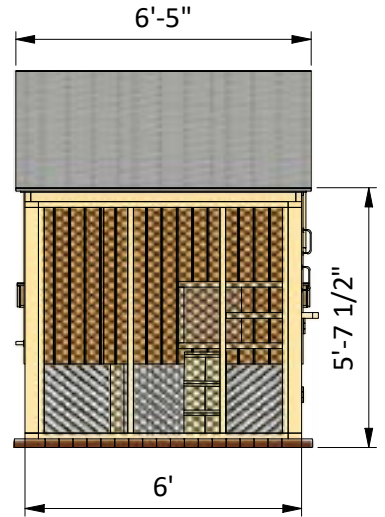
- Corner braces
- Galvanized nails
- Wood screws

Size & Dimensions

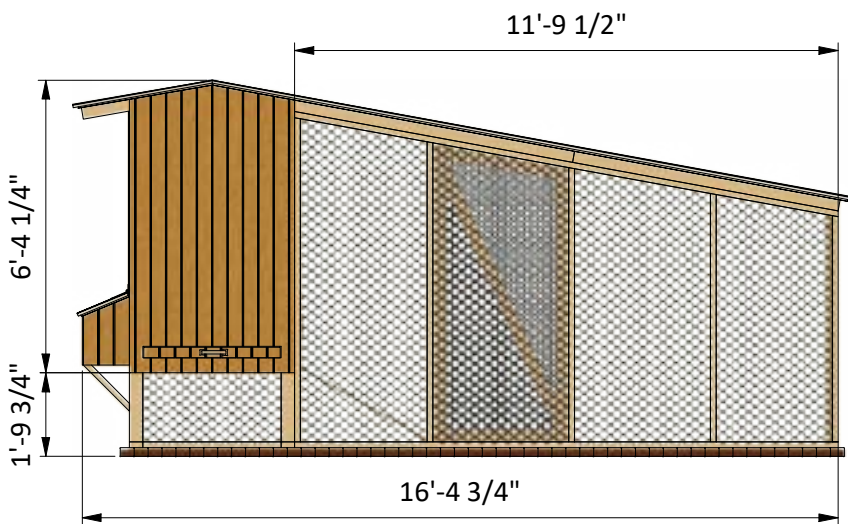
front



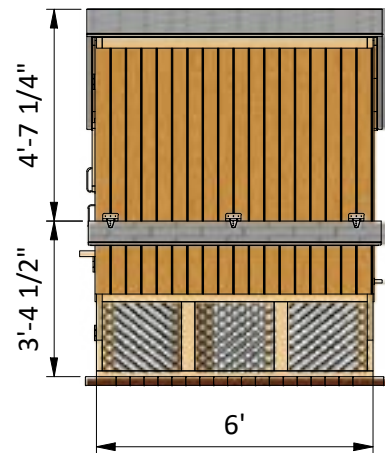
left



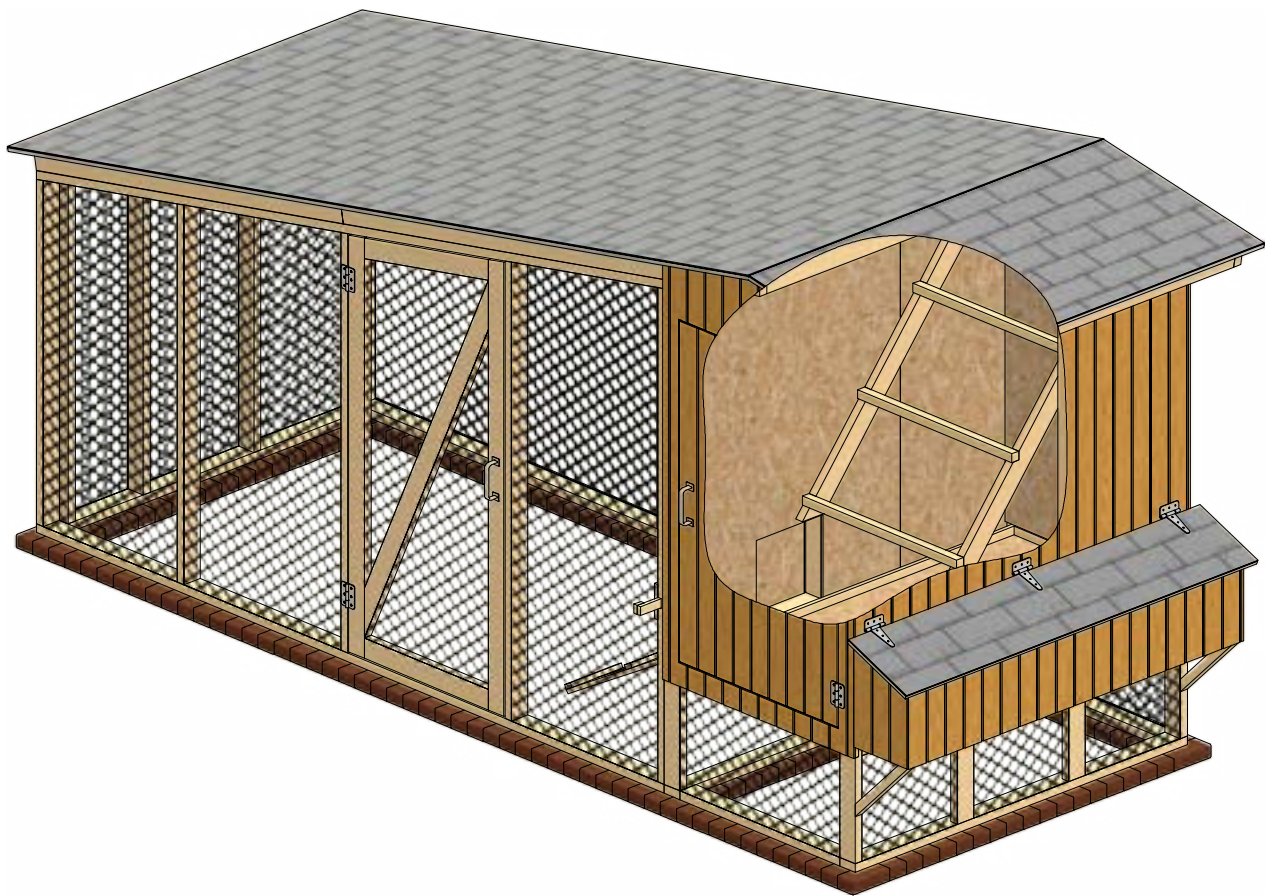
back



right



Interior view

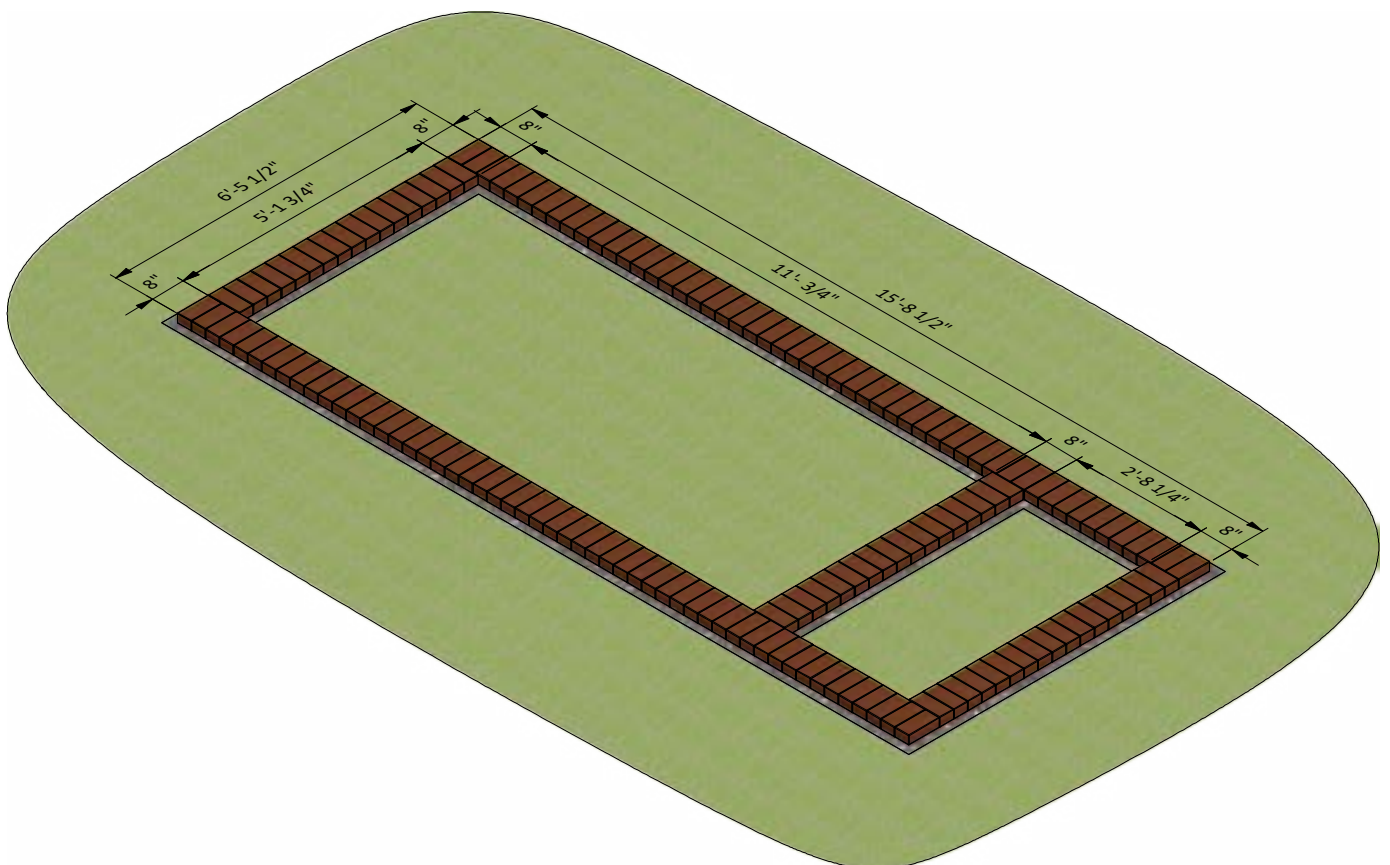
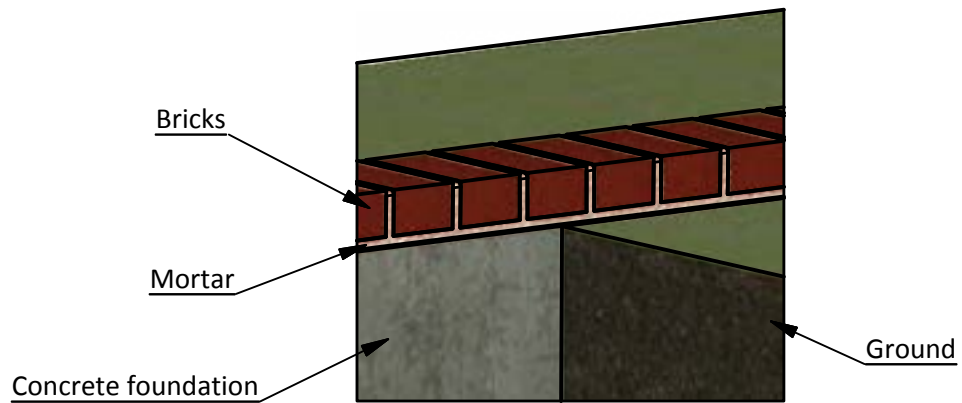


STEP 1

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 155 bricks for this step.



STEP 2

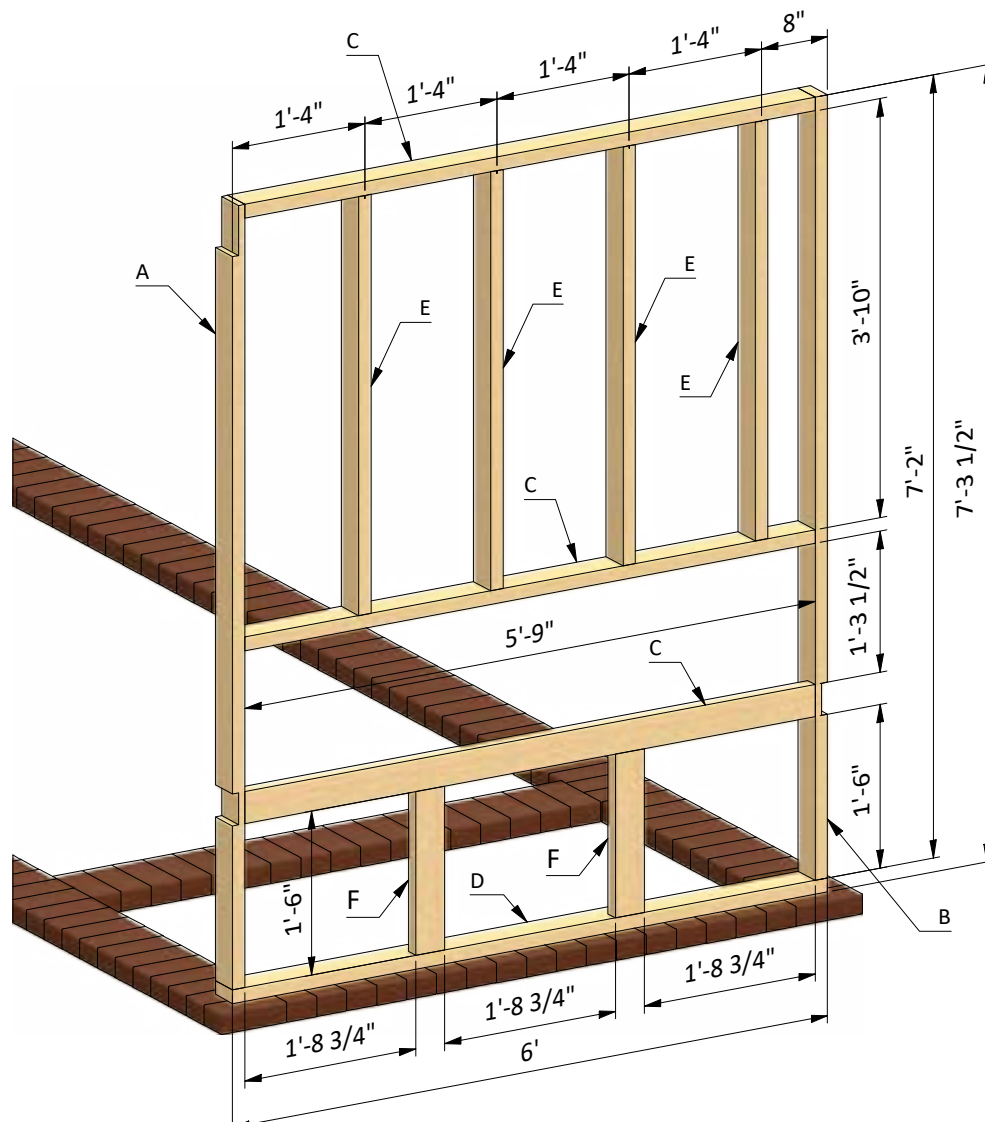
Assemble the Coop's Right Wall Frame

2.1 Using 2x4 lumber, assemble the frame using the drawing below as a reference. You will need to prepare beams in necessary quantity according to the cutting list below. Provide cuttings for half lap connection.

2.2 Secure 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	2x4	7'-2"	1
B	Stud	2x4	7'-2"	1
C	Joist	2x4	5'-9"	3
D	Bottom beam	2x4	6'	1
E	Stud	2x4	3'-10"	4
F	Stud	2x4	1'-6"	2



STEP 3

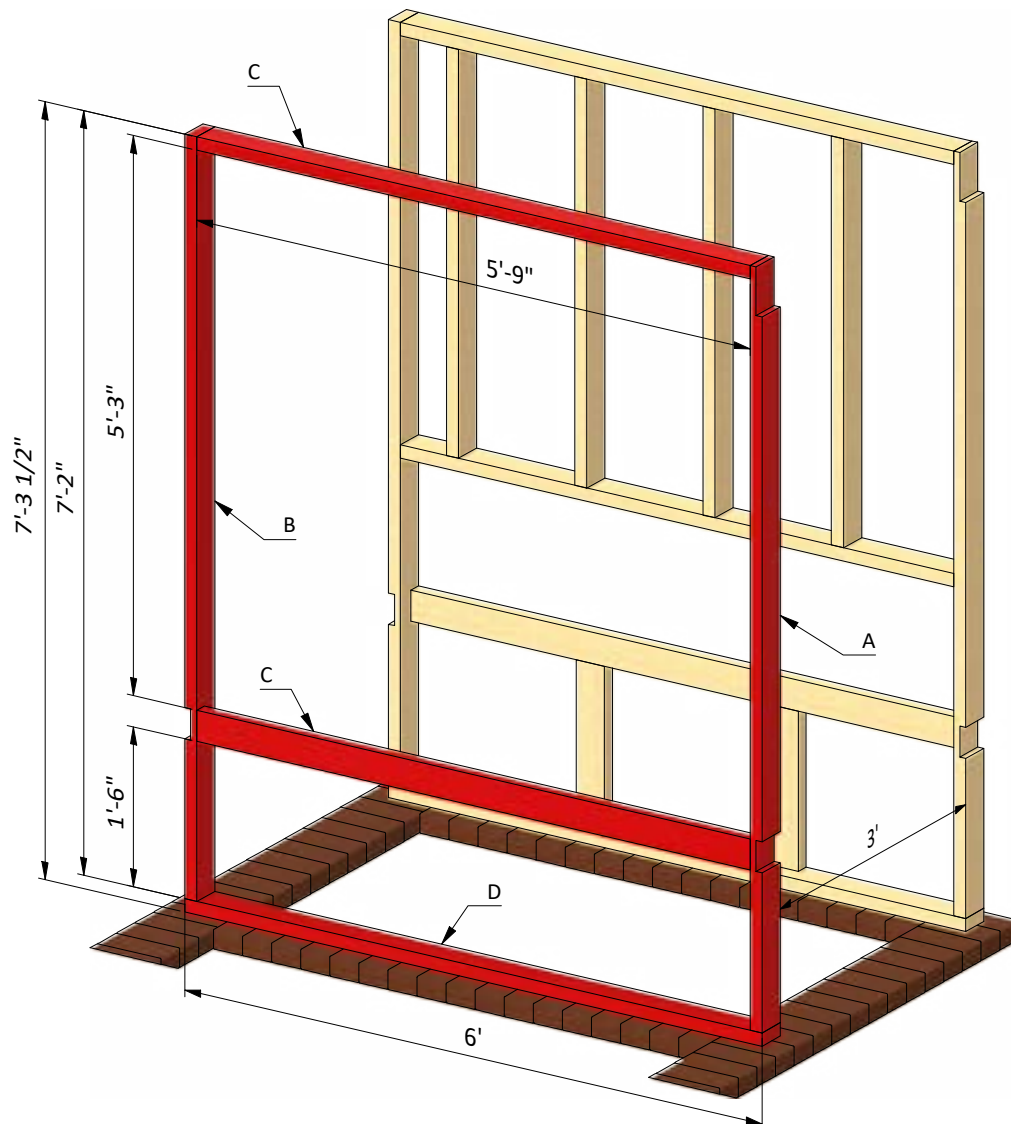
Assemble the Coop's Left Wall Frame

3.1 Using 2x4 lumber, assemble the frame using the drawing below as a reference. You will need to prepare beams in necessary quantity according to the cutting list below. Provide cuttings for half lap connection. Studs A and B are equal to studs A and B in step 3.

3.2 Secure 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"	1
B	Stud	2x4	7'-2"	1
C	Joist	2x4	5'-9"	2
D	Bottom beam	2x4	6'	1



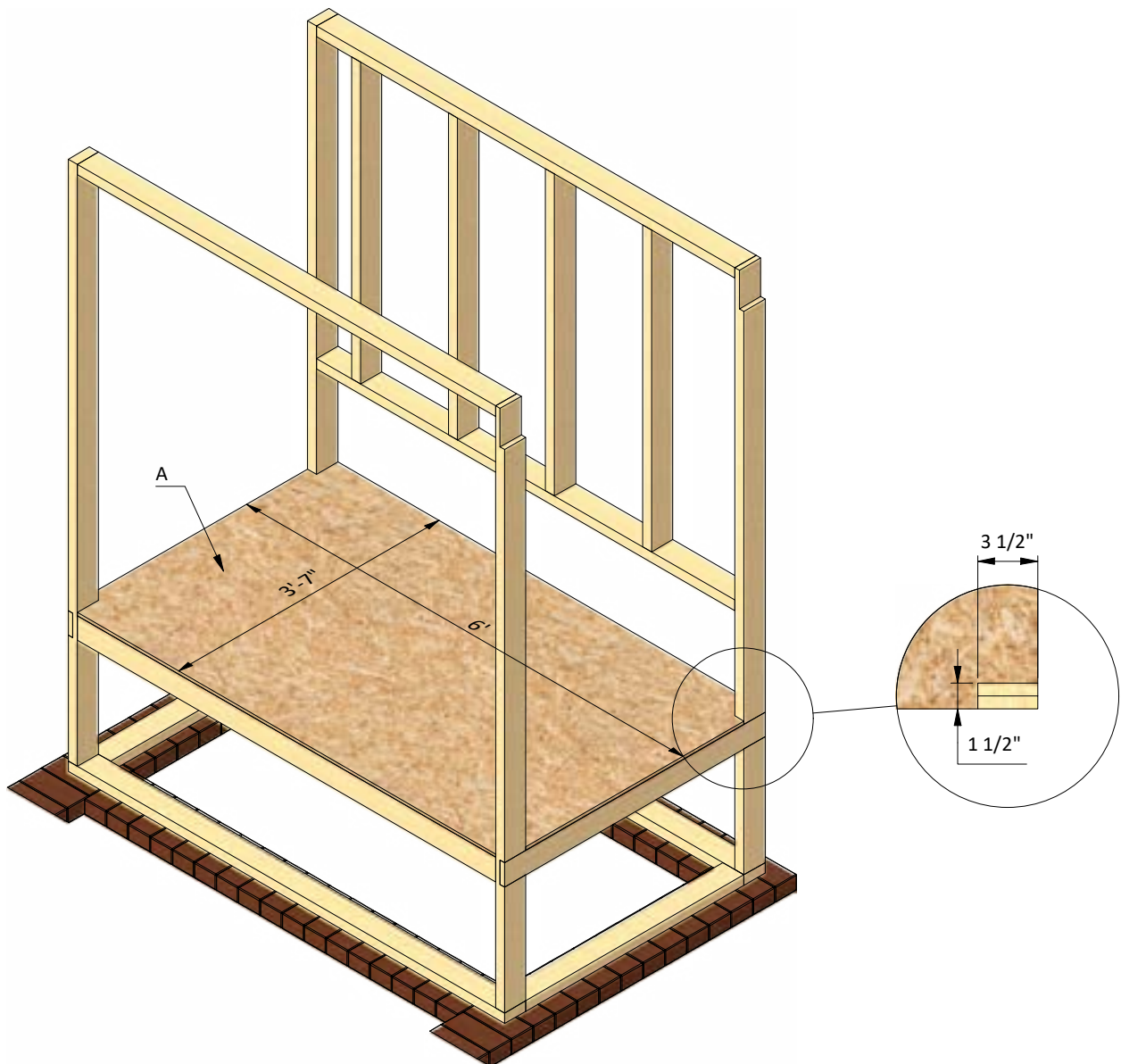
STEP 4

Install the Plywood Floor

4.1 Prepare the 1/2" OSB for the floor sheathing according to the drawing. You will need one 3'-7" x 6' sheet. Cut the corners for the connection with studs.

4.2 Secure the OSB with 2" wood screws.

Pos	Description	Material	Dimension	Qty
A	Floor sheathing	1/2" OSB	3'-7" x 6'	1



STEP 5

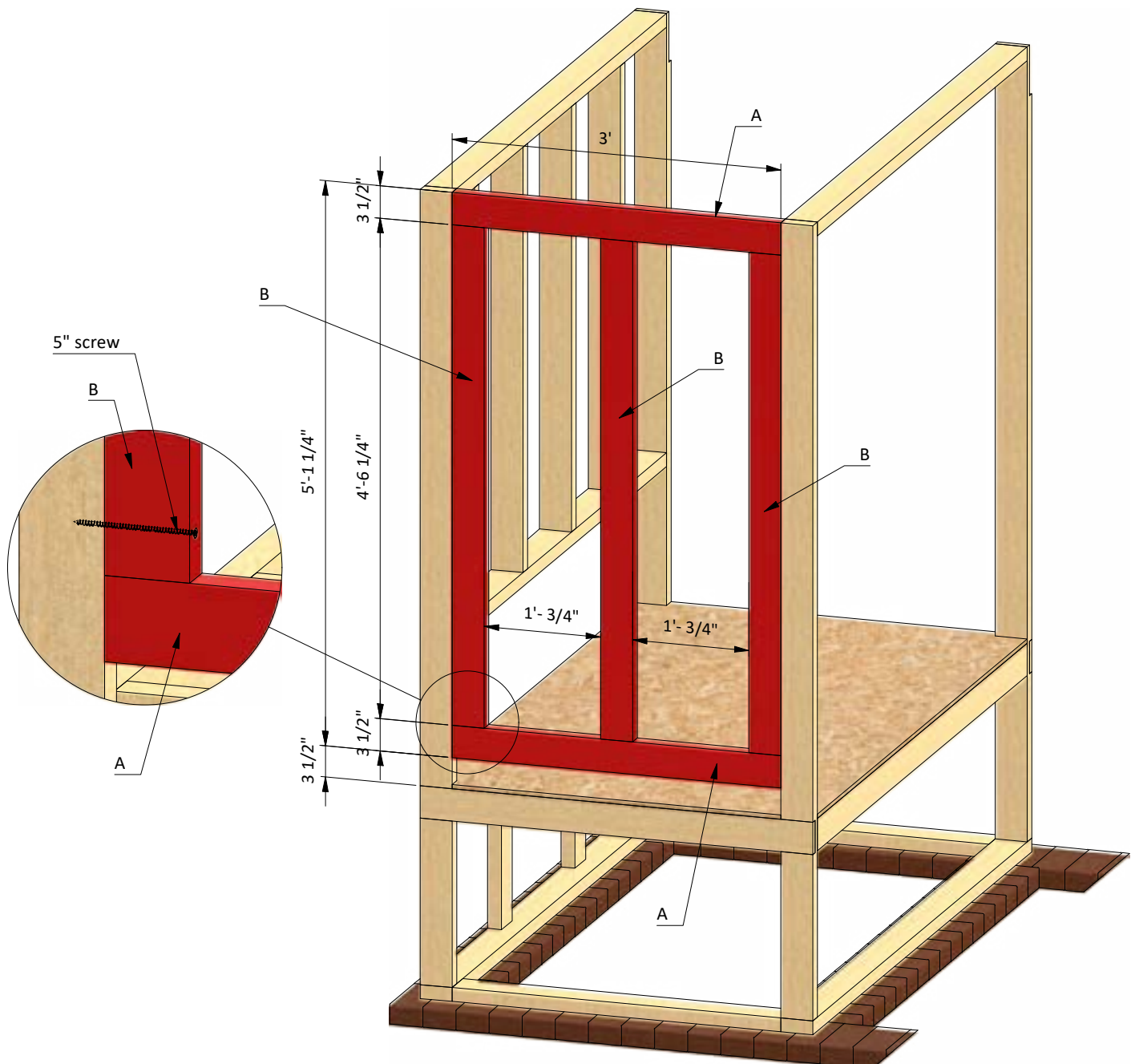
Assemble Back Wall Frame

5.1 Using 2x4 lumber, construct wall frame using the drawing below as a reference. You will need to prepare beams according to the cutting list below.

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	Top/Bottom beam	2x4	3'	2
B	Stud	2x4	4'-6 1/4"	3



STEP 6

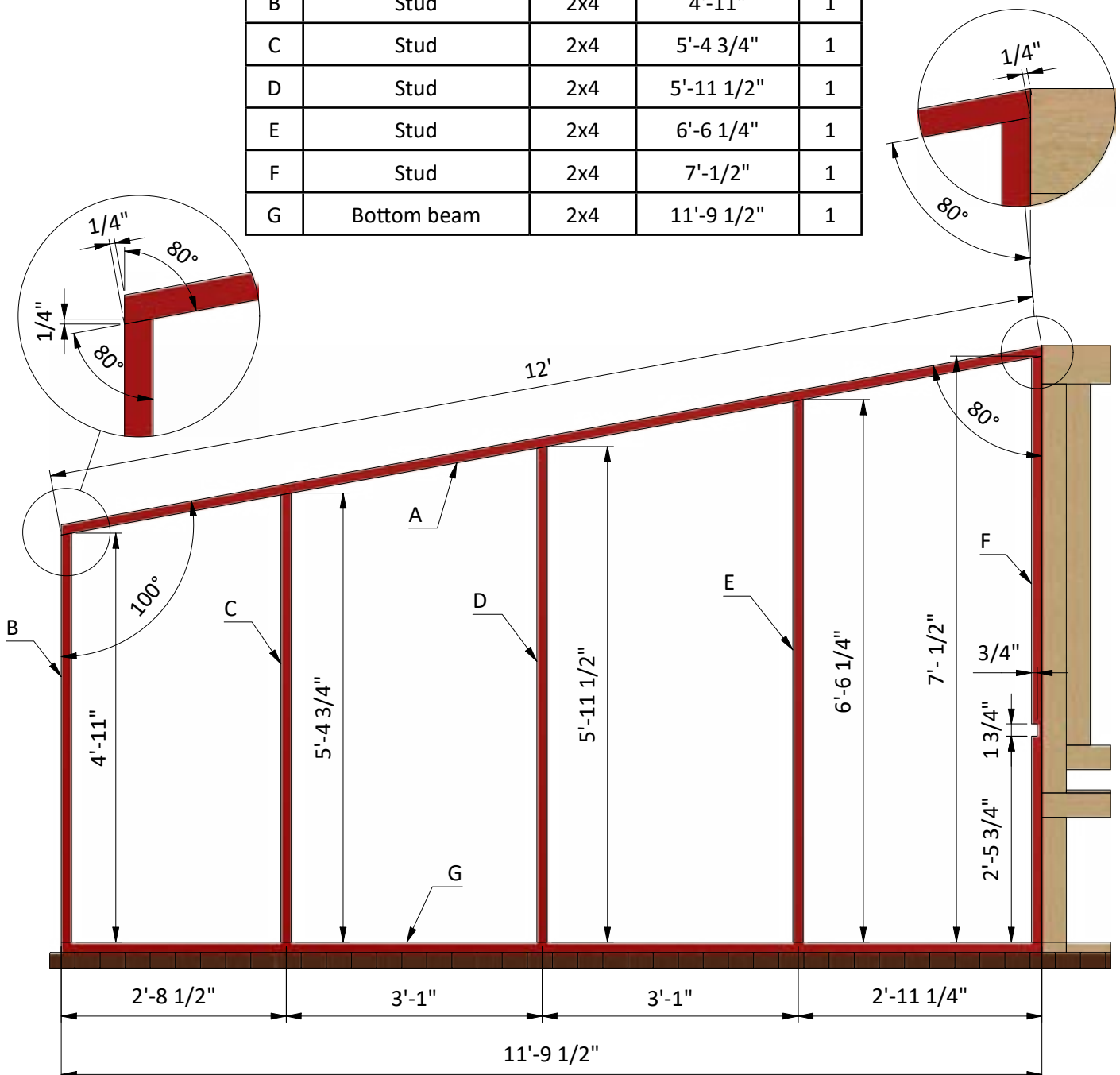
Assemble the Aviary Front Wall Frame

6.1 Using 2x4 lumber, assemble the frame using the drawing below as a reference. You will need to prepare beams in necessary quantity according to the cutting list below. Provide cutting in the stud.

6.2 Secure 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 beam	2x4	12'	1
B	Stud	2x4	4'-11"	1
C	Stud	2x4	5'-4 3/4"	1
D	Stud	2x4	5'-11 1/2"	1
E	Stud	2x4	6'-6 1/4"	1
F	Stud	2x4	7'-1/2"	1
G	Bottom beam	2x4	11'-9 1/2"	1



STEP 7

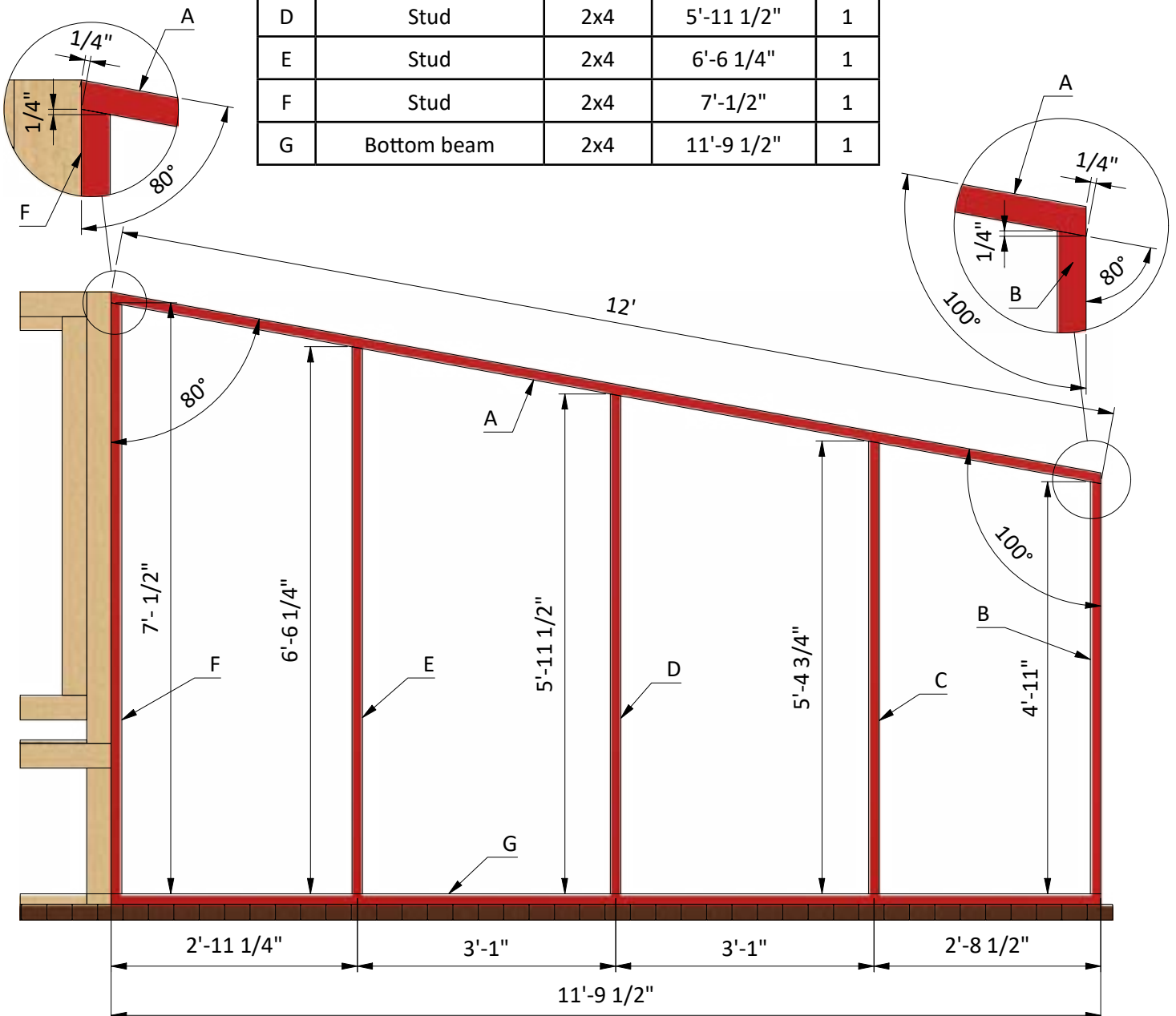
Assemble the Aviary Back Wall Frame

7.1 Using 2x4 lumber, assemble the frame using the drawing below as a reference. You will need to prepare beams in necessary quantity according to the cutting list below.

7.2 Secure 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	Top beam	2x4	12'	1
B	Stud	2x4	4'-11"	1
C	Stud	2x4	5'-4 3/4"	1
D	Stud	2x4	5'-11 1/2"	1
E	Stud	2x4	6'-6 1/4"	1
F	Stud	2x4	7'-1/2"	1
G	Bottom beam	2x4	11'-9 1/2"	1



STEP 8

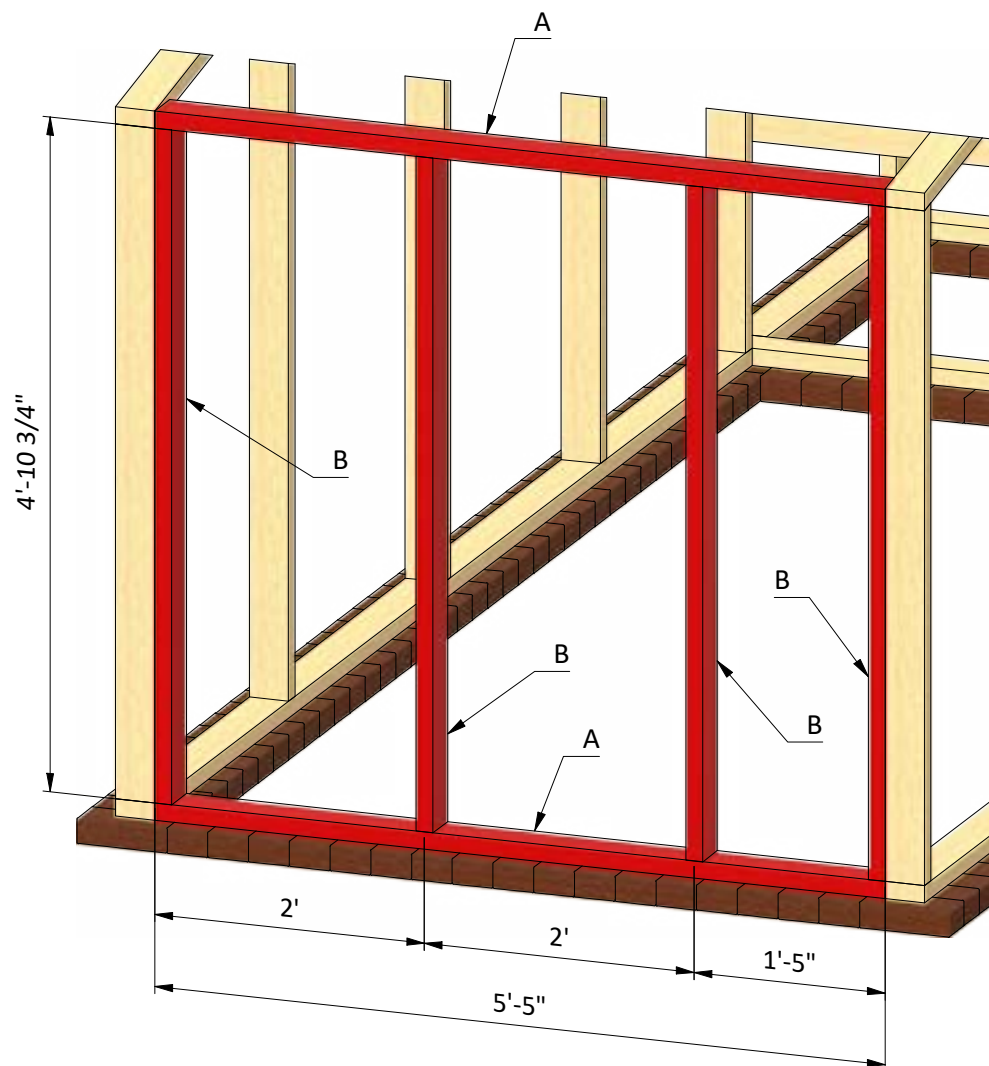
Assemble the Aviary Left Wall Frame

8.1 Using 2x4 lumber, assemble the frame using the drawing below as a reference. You will need to prepare beams in necessary quantity according to the cutting list below.

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	Top/Bottom beam	2x4	5'-5"	2
B	Stud	2x4	4'-10 3/4"	4



STEP 9

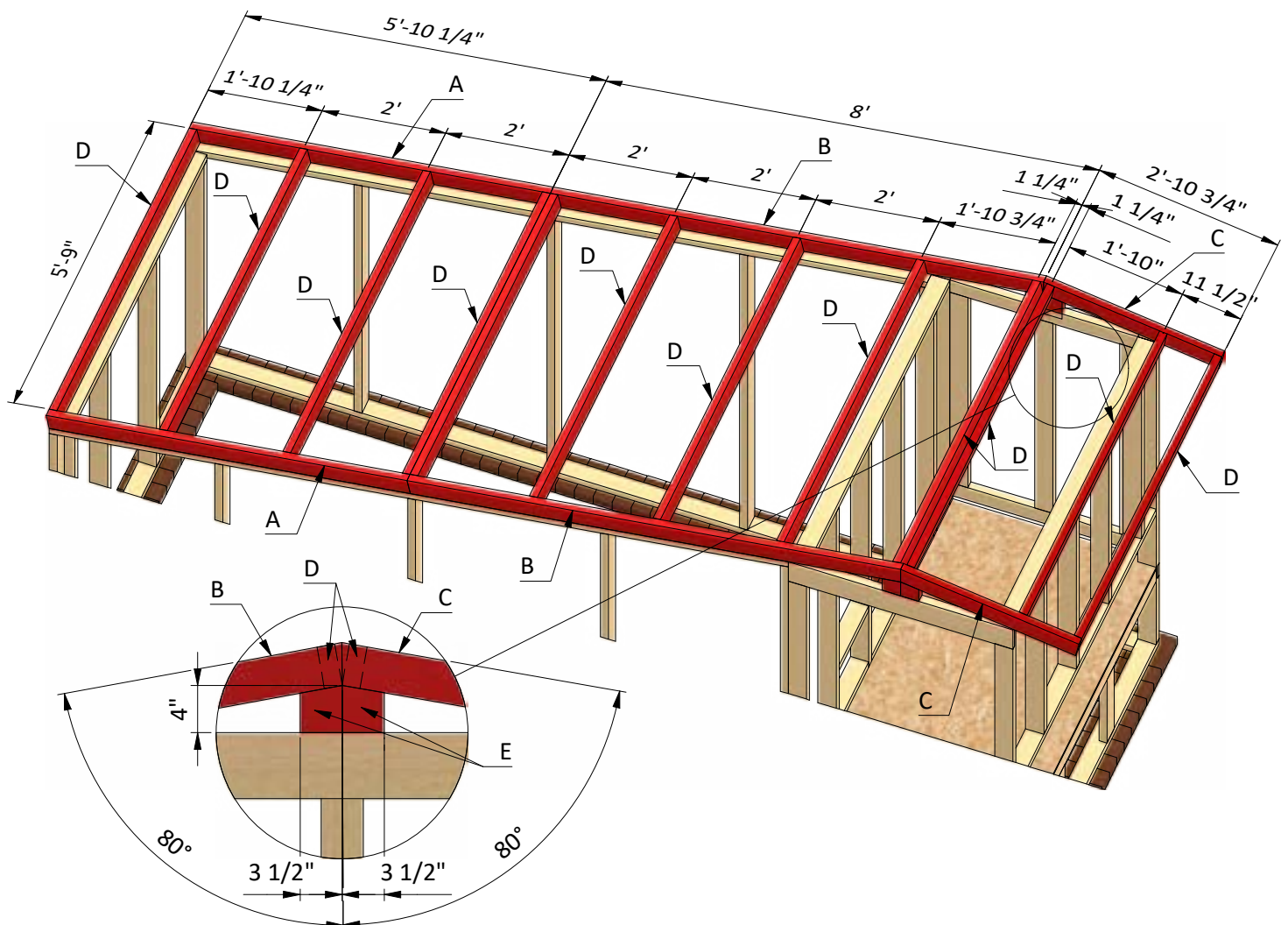
Assemble the Roof Frame

9.1 Using 2x4 lumber, assemble the three frames using the drawing below as a reference. You will need to prepare beams in necessary quantity according to the cutting list below.

9.2 Secure 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	Rim joist	2x4	5'-10 1/4"	2
B	Rim joist	2x4	8'	2
C	Rim joist	2x4	2'-10 3/4"	2
D	Joist	2x4	5'-9"	12
E	Gable stud	2x4	4"	4



STEP 10

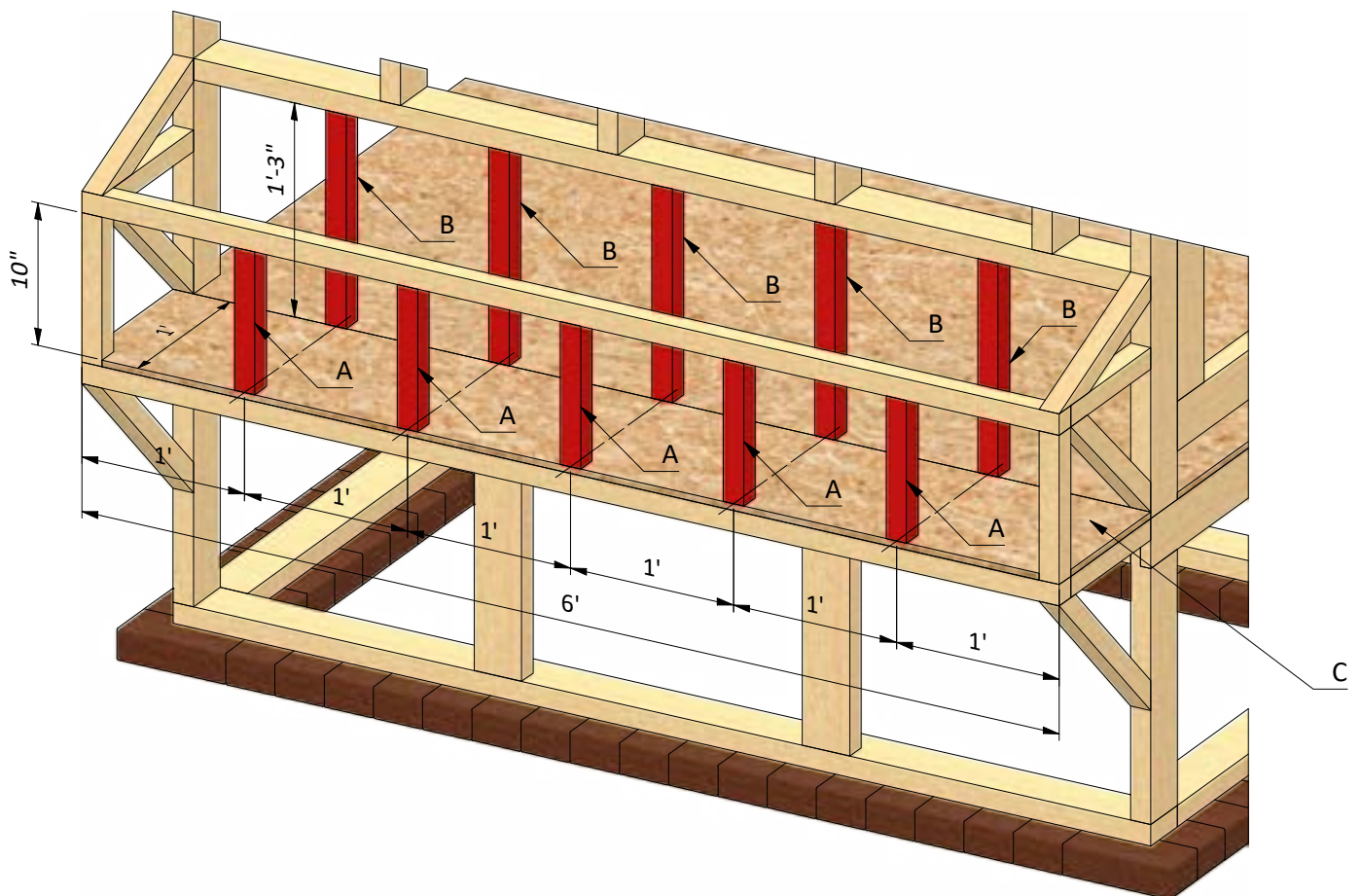
Nesting Box Frame Assembly

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

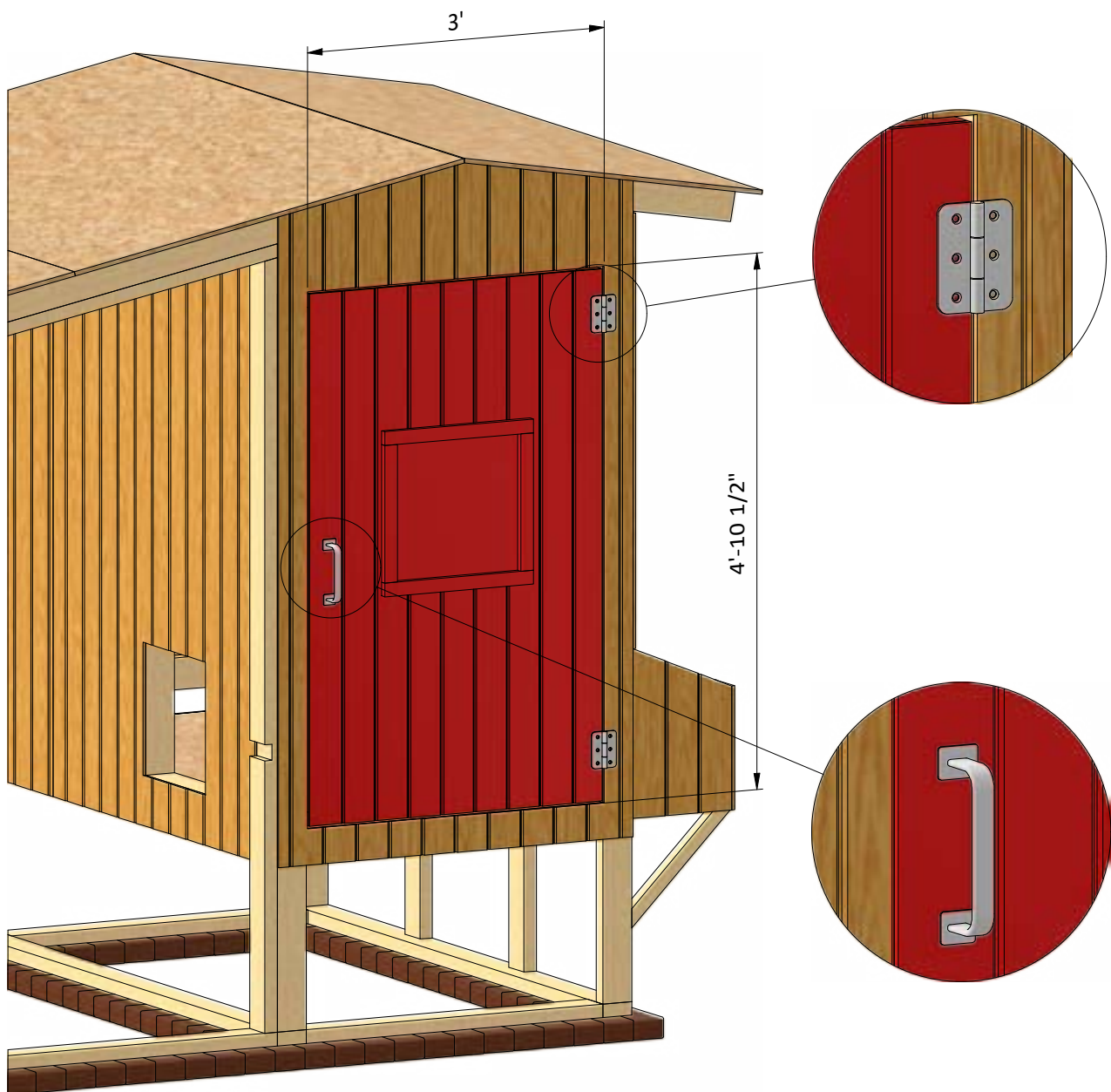
10.2 Secure the OSB with 2" wood screws.

10.3 Using 2x2 lumber, assemble the inner girts for the nesting box using the illustrations below as a guide. You will need to prepare front and back girts according to the cutting list below.

Pos	Description	Material	Dimension	Qty
A	Girt	2x2	10"	5
B	Girt	2x2	1'-3"	5
C	Floor sheathing	1/2" OSB	1' x 6'	1



STEP 11



STEP 12

Coop's Roof Sheathing Installation

12.1 Prepare metal drip edge with 6" width. You will need 50' to cover all the perimeter.

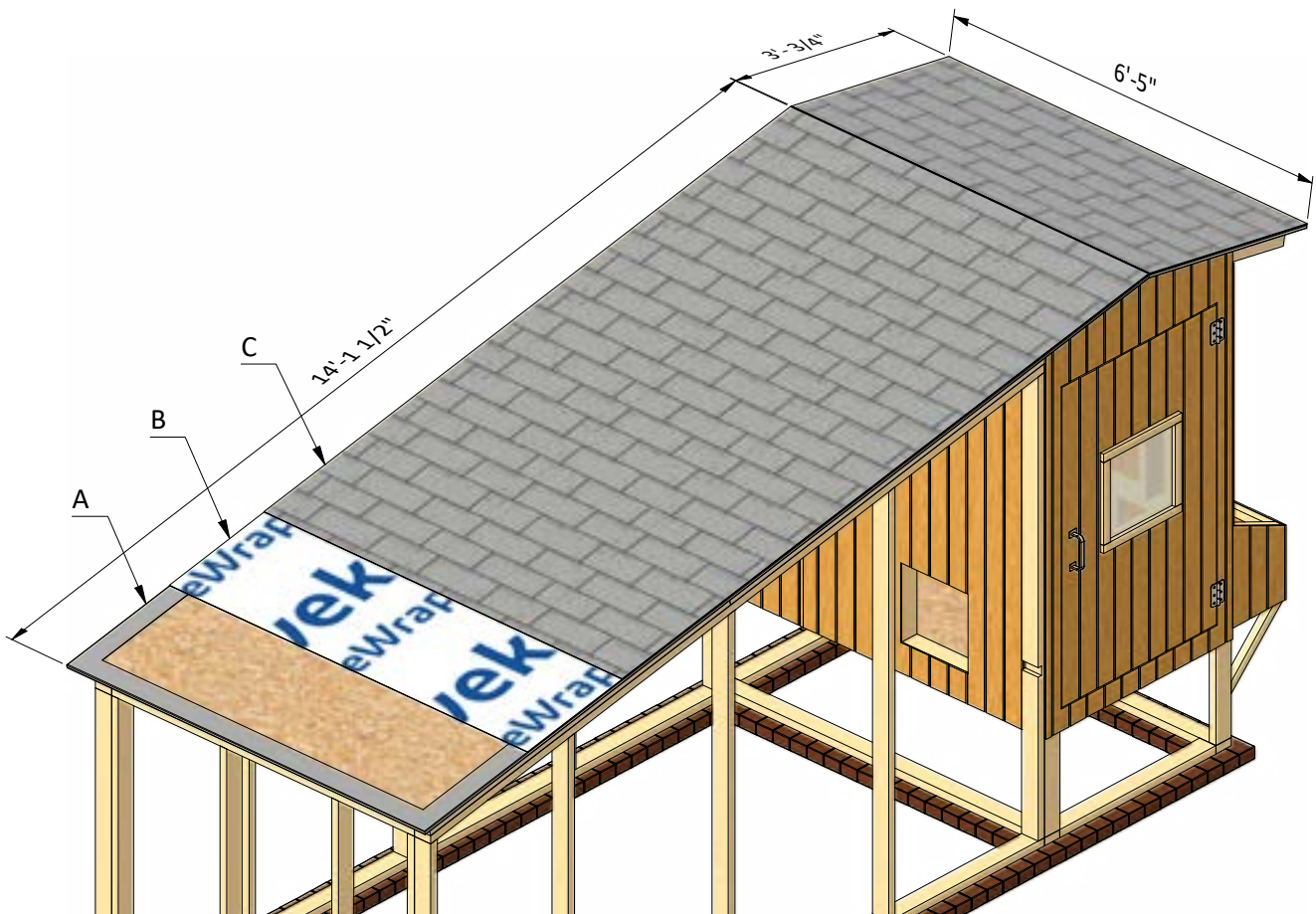
12.2 Place the drip edge down, aligning it to the OSB edge. Use 2" nails to secure the first drip edge. When you place the next drip edge piece, it should overlap the first by an inch.

12.3 You will need 115 Sq Ft of building paper and asphalt shingle roofing.

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

12.5 Install asphalt shingle roofing using an industrial stapler.

Pos	Description	Material	Dimension	Qty
A	Metal drip edge	6"	-	50'
B	Roof sheathing	Building paper	-	115 square ft
C	Roof sheathing	Asphalt shingle roofing	-	115 square ft



STEP 13

Installing the Nesting Box Lid

13.1 Cut sheet of 1/2" OSB for the lids using the drawing below as a guide. You will need one 1'-2" x 6'-4" sheet.

13.2 Prepare metal drip edge with 6" width. You will need 9' to cover all the outer edges.

13.3 Place the drip edge down, aligning it to the OSB edge. Use 1/2" nails to secure the first drip edge. When you place the next drip edge piece, it should overlap the first by an inch.

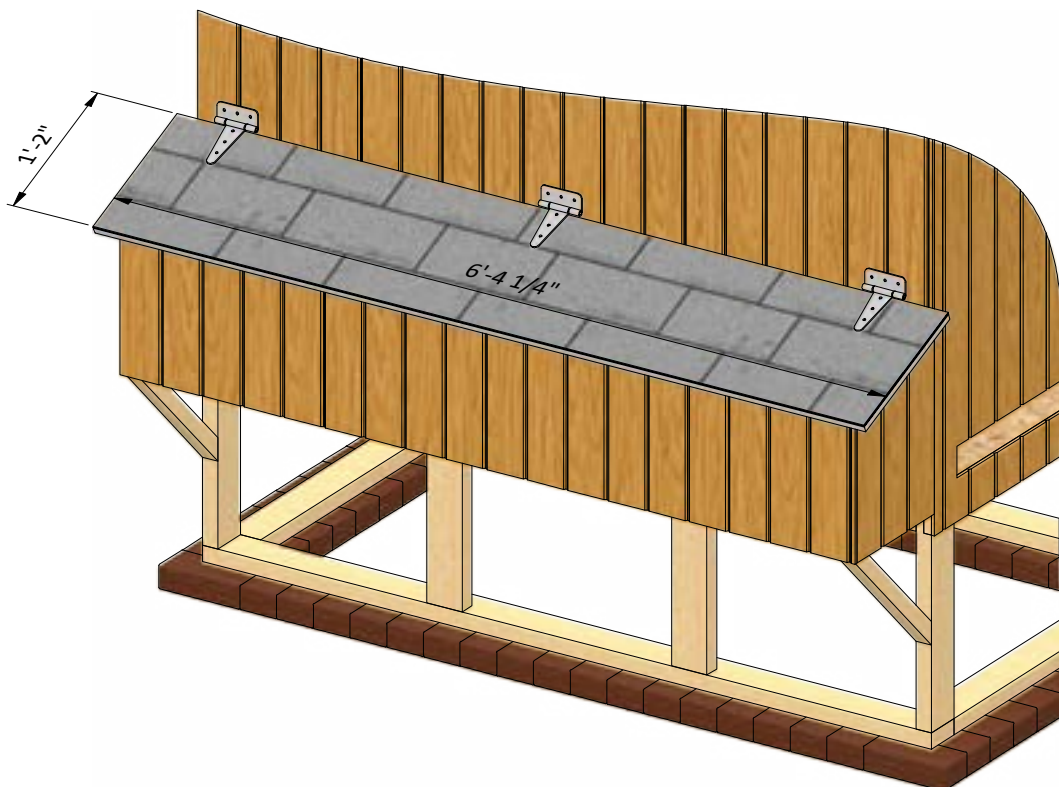
13.4 You will need 8 square ft of building paper and asphalt shingle roofing.

13.5 Cover the OSB and drip edge with building paper. Try to install sheets with 1" overlapping.

13.6 Install asphalt shingle roofing using an industrial stapler.

13.7 Connect the lids to the front wall with the help of two 3" x 3" tee surface mount hinges.

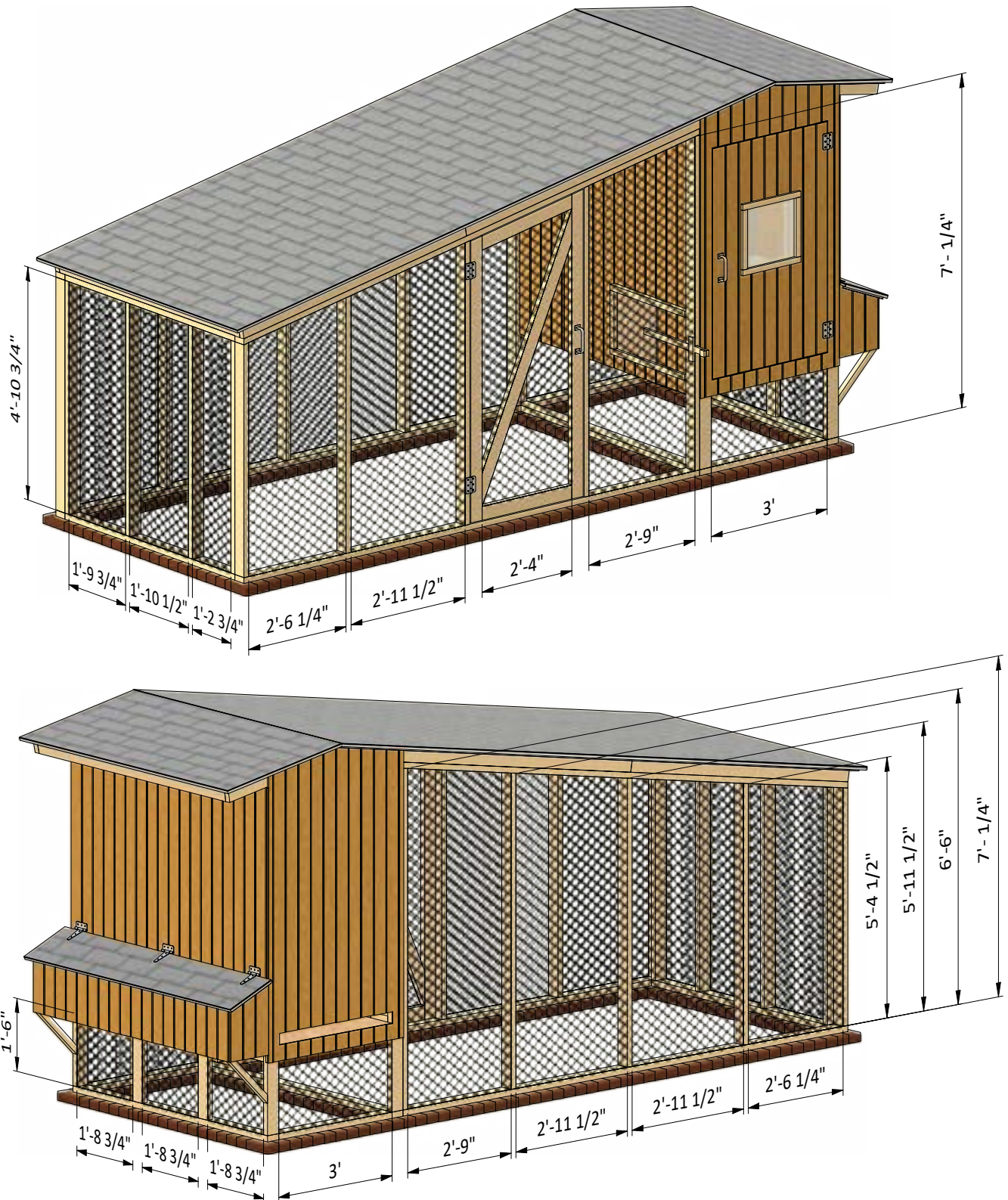
Pos	Description	Material	Dimension	Qty
A	Lid sheathing	1/2" OSB	1'-2" x 6'-4"	1
B	Metal drip edge	6"	-	9'
C	Roof sheathing	Building paper	-	8 square ft
D	Roof sheathing	Asphalt shingle roofing	-	8 square ft



STEP 14

Mesh Wall Installation

14.1 Cover the walls with 1/4" wire mesh with the help of industrial stapler. You will need 105 sq ft.



STEP 15

Assemble The Litter Tray

15.1 Assemble the litter tray using 1x2 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.

15.2 Connect the beams and plywood with 1" and 2" wood screws.

Pos	Description	Material	Dimension	Qty
A	Girt	1x2	5'-10"	2
B	Girt	1x2	2'-9 3/4"	2
C	Front sheathing	11/32" plywood	2'-3/4" x 2'-11 1/2"	1
D	Bottom sheathing	1/2" OSB	2'-11 1/4" x 5'-10"	1



STEP 16

Assemble The Roost

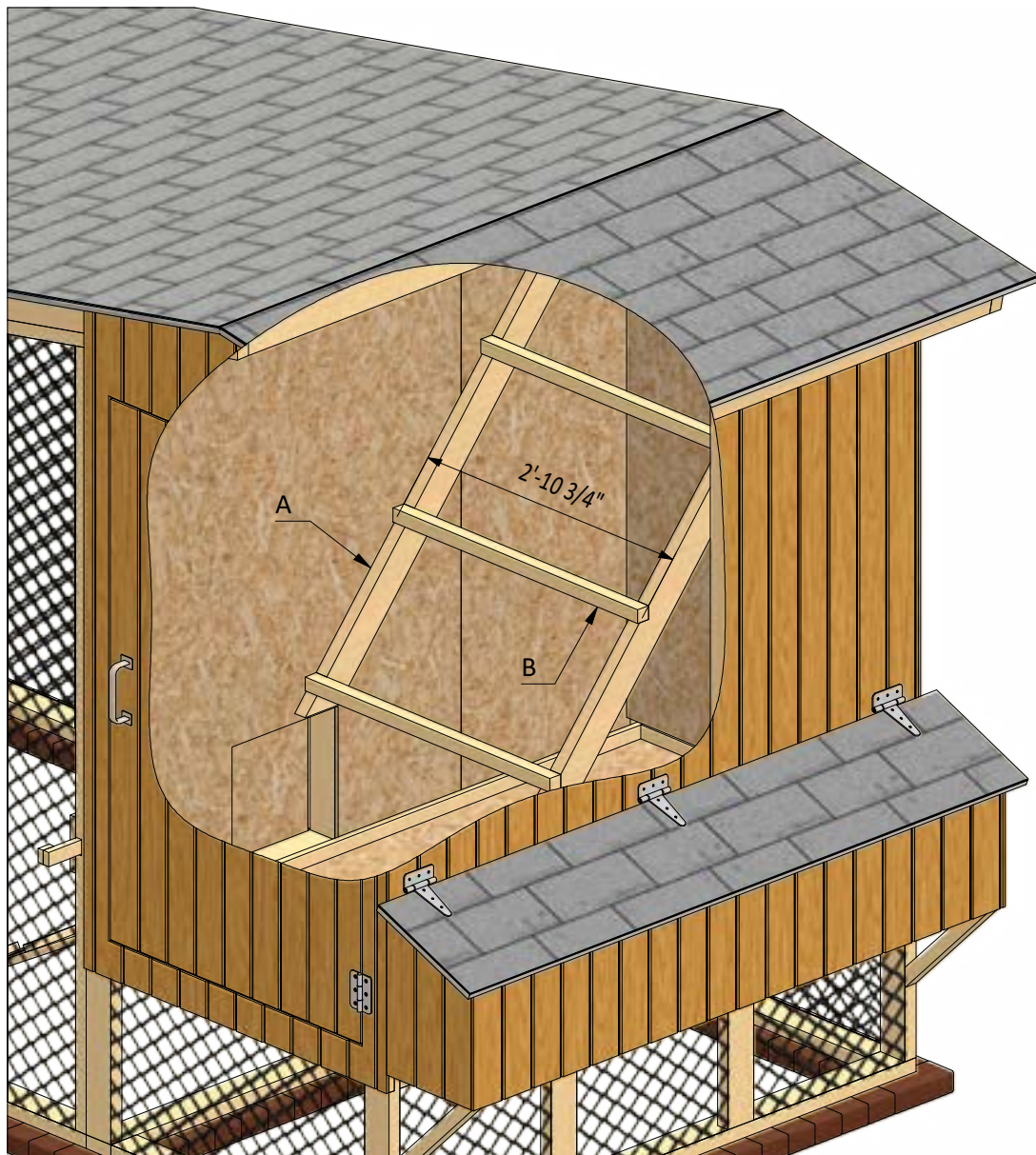
16.1 Assemble the roost using 2x2 and 2x4 lumber.

You will need four boards cut to 2'-10 3/4" and two boards cut to 5'-4".

16.2 Connect the beams with 2" wood screws.

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

Pos	Description	Material	Dimension	Qty
A	Girt	2x4	5'-4"	2
B	Stair	2x2	2'-10 3/4"	4



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.





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TRY PREMIUM



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