

Shed Color: White



6'x 8' Storage Shed Plan

Note:

Dimensions noted on following pages are for a 6' x 10' Storage Shed. The shed dimensions will be modified where necessary to meet the overall dimensions of a 6' x 8' Storage Shed.

6'x 8' storage shed 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

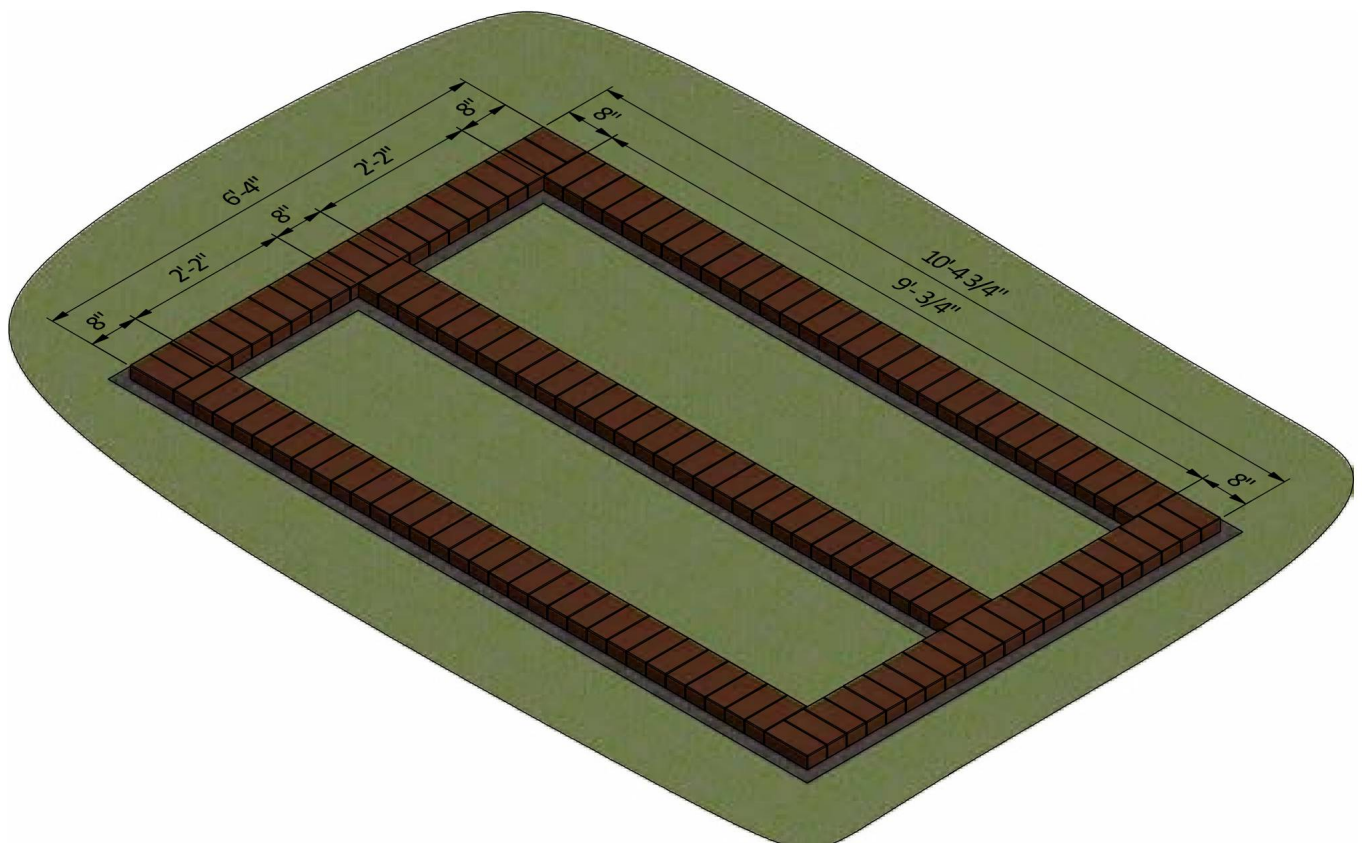
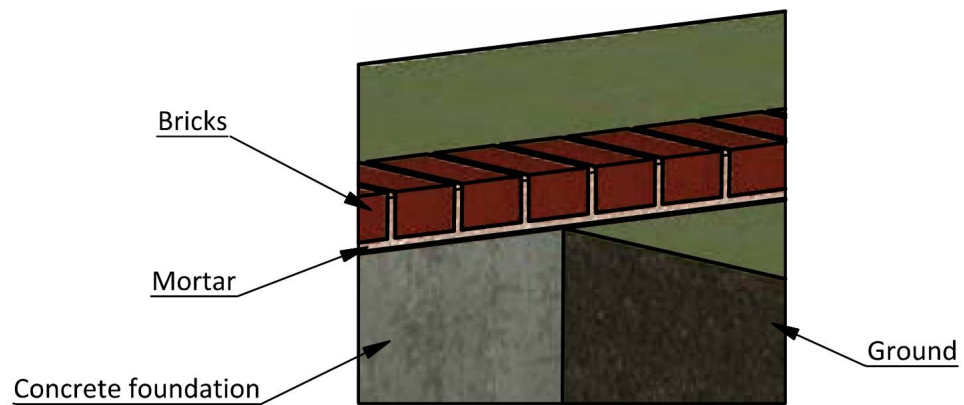
STEP 1

Note: An existing slab will be used as part of the foundation.

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 132 bricks for this step.



Site Preparation	Unit	Qty	Size	Note
Concrete	Yd3	1,3		
Clay bricks	pcs	100	3 5/8" x 2 1/4" x 8"	

Shed's Bottom Frame	Unit	Qty	Size	Note
Pressure-Treated Lumber (1 1/2" x 7 1/4")	pcs	9	5'-9"	Joists
Pressure-Treated Lumber (1 1/2" x 7 1/4")	pcs	2	8'	Rim joists
Plywood (9/16")	pcs	2	4' x 6'	Floor sheathing

Shed's Front Wall Frame	Unit	Qty	Size	Note
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	3	11"	Cripple studs
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	1	5'-4"	Door Header
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	4	6'-11"	Studs
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	1	8'	Top plate
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	2	1'-4"	Bottom plates
Pressure-Treated Lumber (3 1/2" x 3 1/2")	pcs	2	6'-11"	Studs

Shed's Back Wall Frame	Unit	Qty	Size	Note
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	5	6'-11"	Studs
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	1	8'	Top plate
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	1	8'	Bottom plate
Pressure-Treated Lumber (3 1/2" x 3 1/2")	pcs	2	6'-11"	Studs

Shed's Side Wall Frame (2x)	Unit	Qty	Size	Note
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	6	6'-11"	Studs
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	1	5'-5"	Top plate
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	1	5'-5"	Bottom plate

Shed's Top Frame	Unit	Qty	Size	Note
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	2	6'	Top plate
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	2	7'-5"	Top plate

Shed's Roof	Unit	Qty	Size	Note
Pressure-Treated Board (3/4" x 7 1/4")	pcs	2	8'	Fascia
Pressure-Treated Board (3/4" x 7 1/4")	pcs	1	8'	Ridge board
Pressure-Treated Lumber (1 1/2" x 2 1/2")	pcs	4	1'-3"	Gable wall Stud
Pressure-Treated Lumber (1 1/2" x 2 1/2")	pcs	4	2'-4 1/4"	Gable wall Stud
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	6	4'-6"	Collar tie
Pressure-Treated Lumber (3/4" x 5 3/4 ")	pcs	14	1'	Rafters bay
Pressure-Treated Lumber (1 1/2" x 5 1/2")	pcs	16	5'- 5 1/2"	Rafters
Plywood (9/16")	pcs	2	4' x 5'-3 1/2"	Roof sheathing
Plywood (9/16")	pcs	2	3'-4 1/2" x 5'-3 1/2"	Roof sheathing
Plywood (9/16")	pcs	2	1'-9" x 5'-3 1/2"	Roof sheathing
Building paper (#15)	roll	1		

Asphalt shingles (250# per sq. min)	ft2	100		
Metal drip edge	ft	16		

Side Wall Exterior Siding (2x)	Unit	Qty	Size	Note
Pressure-Treated Lumber (1/4" x 3/4")	pcs	1	5'-5"	Starter course
Pressure-Treated Lumber (3/4" x 3 1/2")	pcs	2	4'-3 1/4"	Trim
Pressure-Treated Lumber (3/4" x 3 1/2")	pcs	2	8'-1 1/2"	Trim
Pressure-Treated Lumber (3/4" x 3 1/2")	pcs	1	6'	Trim
Wood siding boards (1/2" x 6")	ft2	55	5'-5"	Siding

Back Wall Exterior Siding	Unit	Qty	Size	Note
Pressure-Treated Lumber (1/4" x 3/4")	pcs	1	7'-6 1/2"	Starter course
Pressure-Treated Lumber (3/4" x 3 1/2")	pcs	2	7' - 9 1/2"	Trim
Pressure-Treated Lumber (3/4" x 3 1/2")	pcs	1	7'-6 1/2"	Trim
Wood siding boards (1/2" x 6")	ft2	56	7'-6 1/2"	Siding

Front Wall Exterior Siding	Unit	Qty	Size	Note
Pressure-Treated Lumber (1/4" x 3/4")	pcs	1	7'-6 1/2"	Starter course
Pressure-Treated Lumber (3/4" x 3 1/2")	pcs	2	5'-4"	Trim
Pressure-Treated Lumber (3/4" x 3 1/2")	pcs	2	6'-5"	Trim
Pressure-Treated Lumber (3/4" x 3 1/2")	pcs	2	7'-9 1/2"	Trim
Pressure-Treated Lumber (3/4" x 3 1/2")	pcs	1	7'-6 1/2"	Trim
Wood siding boards (1/2" x 6")	ft2	22	7'-6 1/2"	Siding

Shed's Door (2x)	Unit	Qty	Size	Note
Pressure-Treated Lumber (1/4" x 3/4")	pcs	1	2'-2 3/4"	Starter course
Pressure-Treated Lumber (3/4" x 2 1/2")	pcs	2	2'-2 3/4"	Trim
Pressure-Treated Lumber (3/4" x 2 1/2")	pcs	2	5'-11 3/4"	Trim
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	2	2'-3/4"	Girts
Pressure-Treated Lumber (1 1/2" x 3 1/2")	pcs	2	5'-11 3/4"	Girts
Plywood (9/16")	pcs	1	2'-7 3/4 x 5'-11 3/4"	Door sheathing
Wood siding boards (1/2" x 6")	ft2	13	2'-2 3/4"	Siding

Shelves	Unit	Qty	Size	Note
Pressure-Treated Lumber (1 1/2" x 1 1/2")	pcs	10	2'	Studs
Pressure-Treated Lumber (1 1/2" x 1 1/2")	pcs	15	3'-6 1/4"	Studs
Pressure-Treated Lumber (1 1/2" x 1 1/2")	pcs	4	6'-6"	Studs
Plywood (9/16")	pcs	5	3'-9 1/4" x 2'-3"	Shelf planes

Bicycle Storage Area	Unit	Qty	Size	Note
Plywood (9/16")	pcs	4	1'-5" x 8 3/4"	Wheel holder

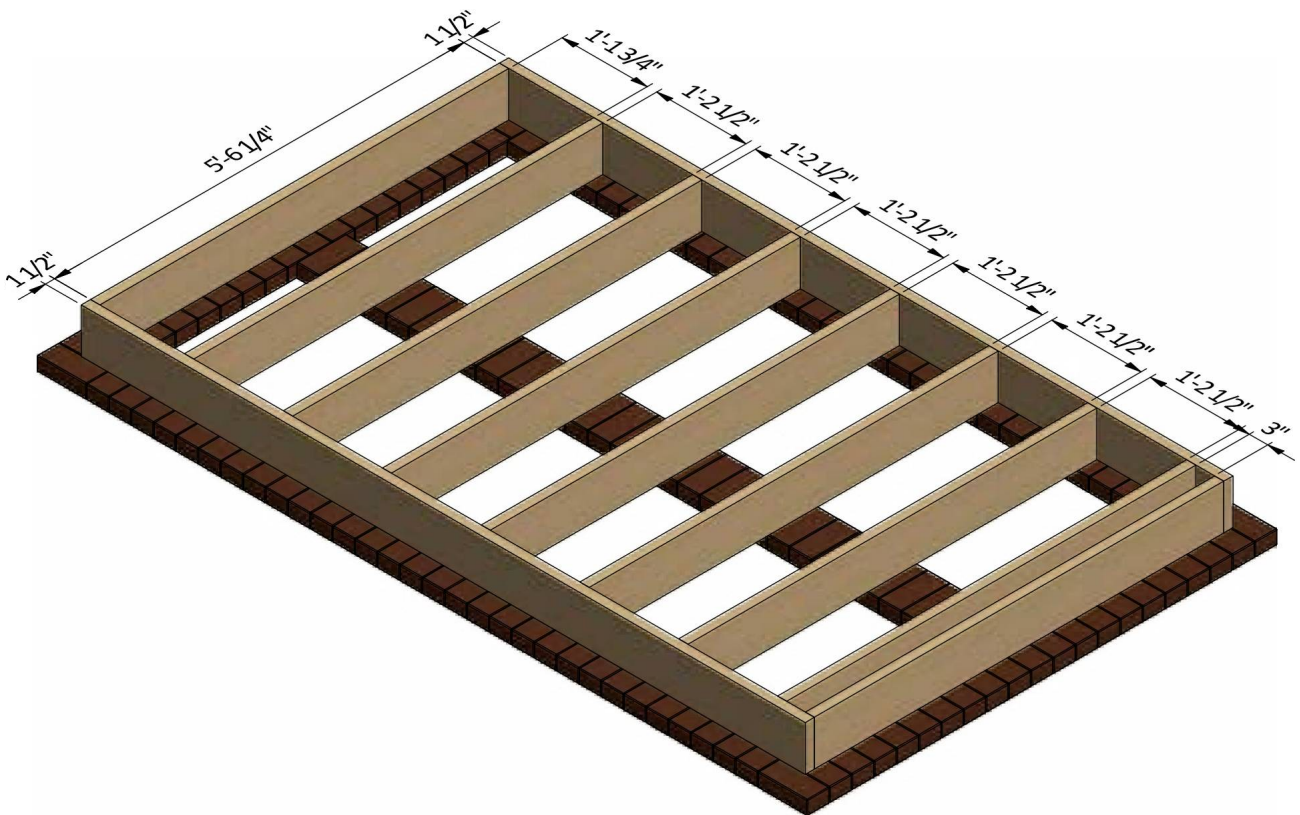
STEP 2

Note:

The existing slab will be used as part of floor. Therefore, step 2 and 3 will be modified accordingly.

Framing the Floor

- 2.1 Assemble the frame using 1 1/2" x 7 1/4" pressure-treated lumber. You will need seven boards cut to 5'-6 1/4" that will be the joist.
- 2.2 Secure the beams with 8x3" wood screws.
- 2.3 Using a speed square or carpenter's square, check the corners to make sure they are 90°.

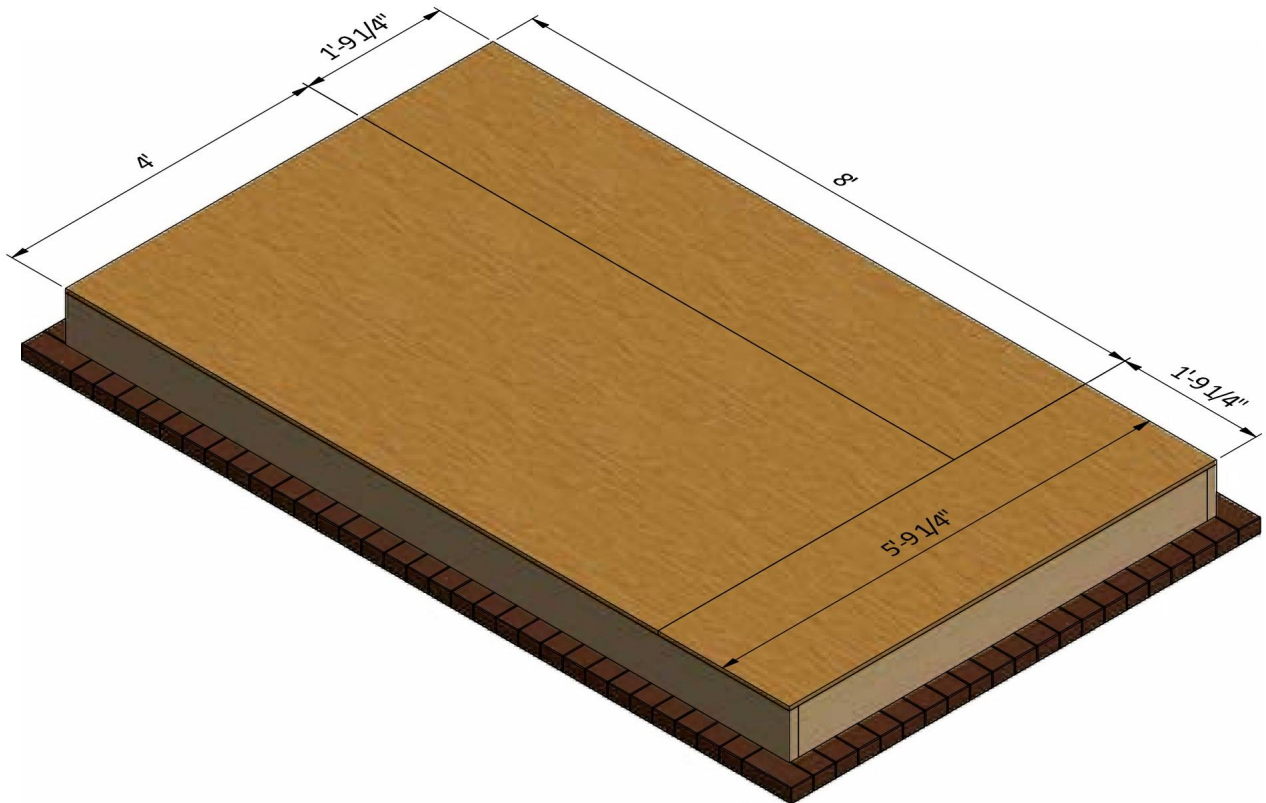


STEP 3

Install the Plywood Floor

3.1 Prepare the 5/8" plywood for the floor sheathing according to the drawing. You will need one 4' x 8' sheet, one 1'-9 1/4" x 8' sheet and one 1'-9 1/4" x 5'-9 1/4" sheet.

3.2 Secure the plywood with 2" wood screws.



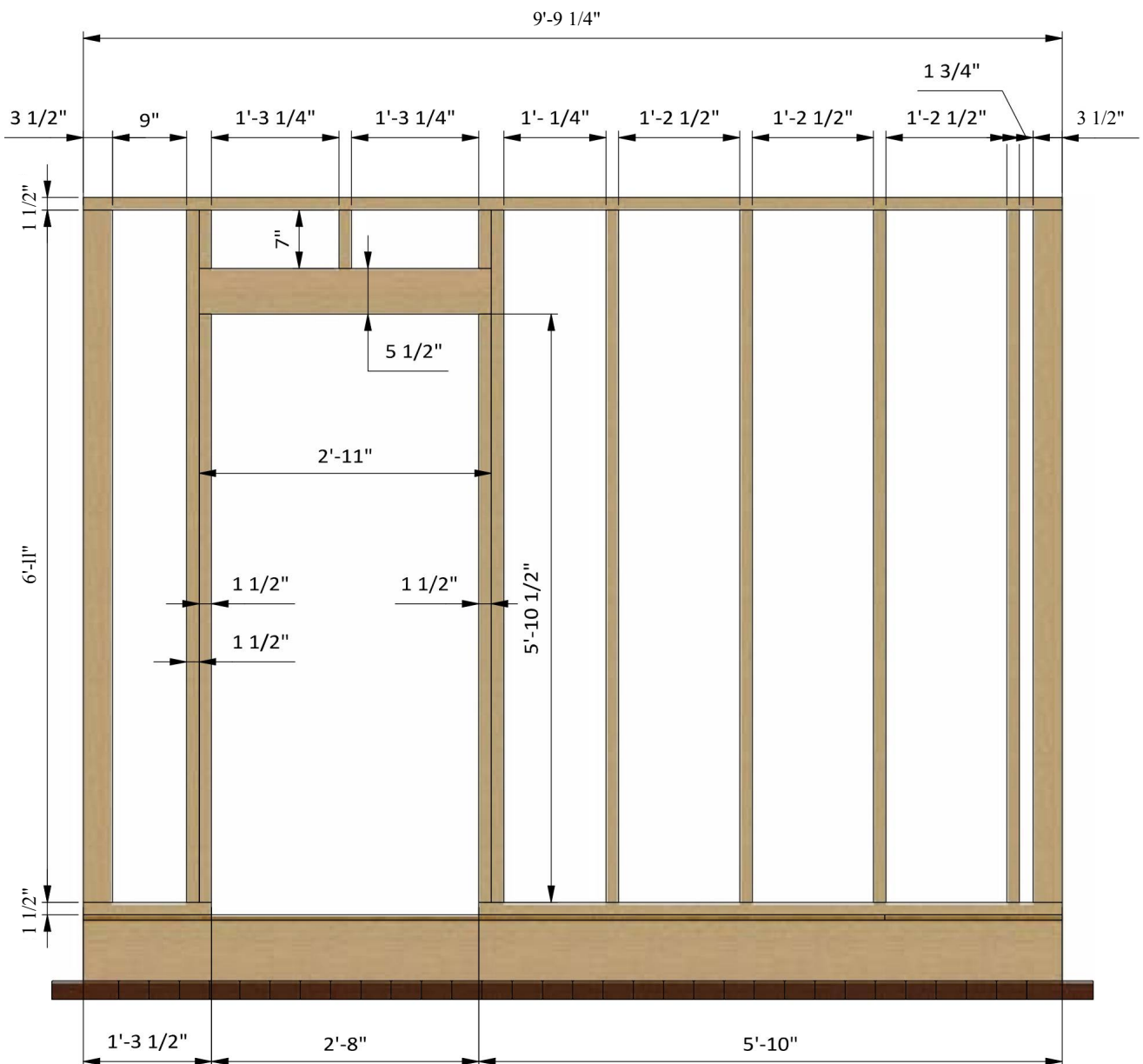
STEP 4

Assemble Front Wall Frame

4.1 Using 1 1/2" x 3 1/2", 1 1/2" x 5 1/2" and 3 1/2" x 3 1/2" pressure-treated lumber, construct front wall frame using the drawing below as a reference. You will need eight boards cut to 6'-11", two boards cut to 5'-10 1/2" that will be studs, one board cut to 1'-3 1/2" and one board cut to 5'-10" that will be the bottom plates, one board cut to 9'-9 1/4" that will be the top plate, two boards cut to 2'-11" that will be the door header and three boards cut to 7" that will be cripple studs.

4.2 Connect the beams with 2x3" and 2x5" wood screws.

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



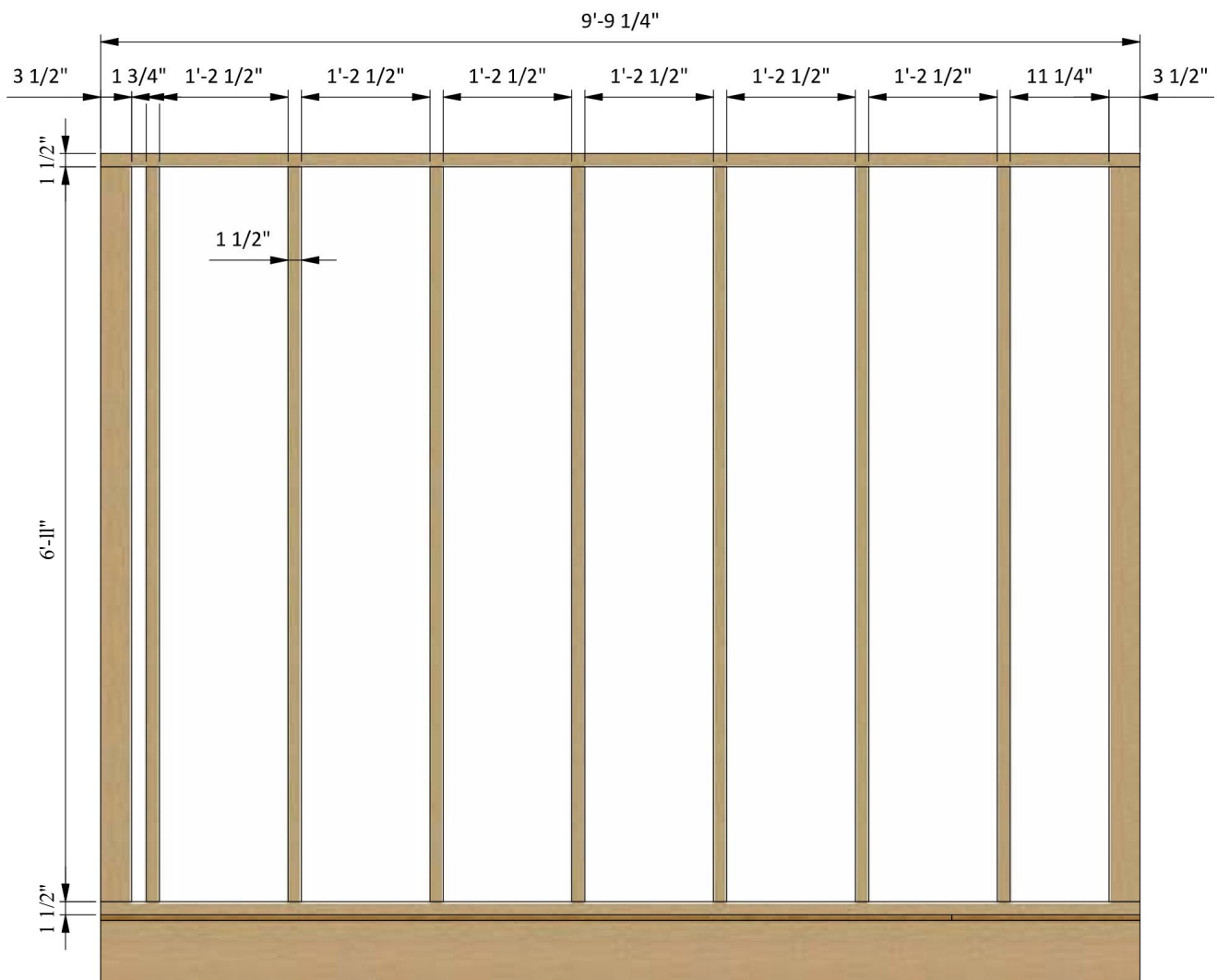
STEP 5

Assemble Back Wall Frame

5.1 Using 1 1/2" x 3 1/2" and 3 1/2" x 3 1/2" pressure-treated lumber, construct back wall frame using the drawing below as a reference. You will need nine boards cut to 6'-11" that will be the studs and two boards cut to 9'-9 1/4" that will be the top and bottom plates.

5.2 Connect the beams with 2x3" wood screws.

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



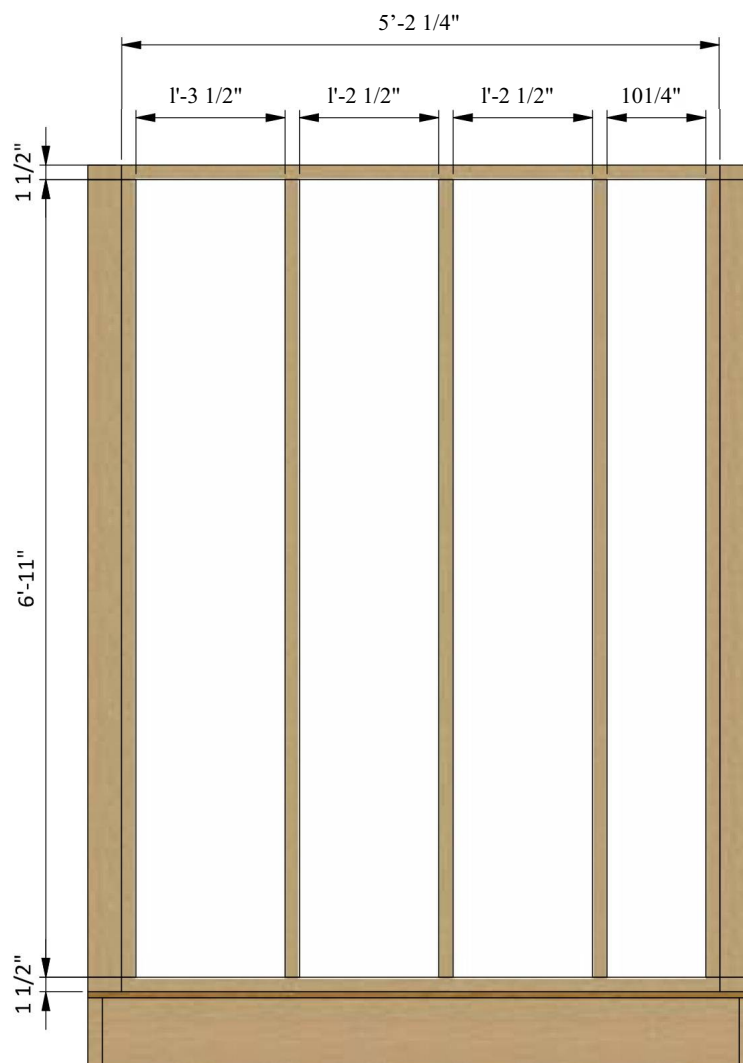
STEP 6

Assemble Side Wall Frames

6.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, construct right and left wall frames using the drawing below as a reference. You will need five boards cut to 6'-11" that will be the studs and two boards cut to 5'-2 1/4" that will be the top and bottom plates.

6.2 Connect the beams with 2x3" wood screws.

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



STEP 7

Note:
The roof pitch will be modified to match the pitch and height of the existing shed.

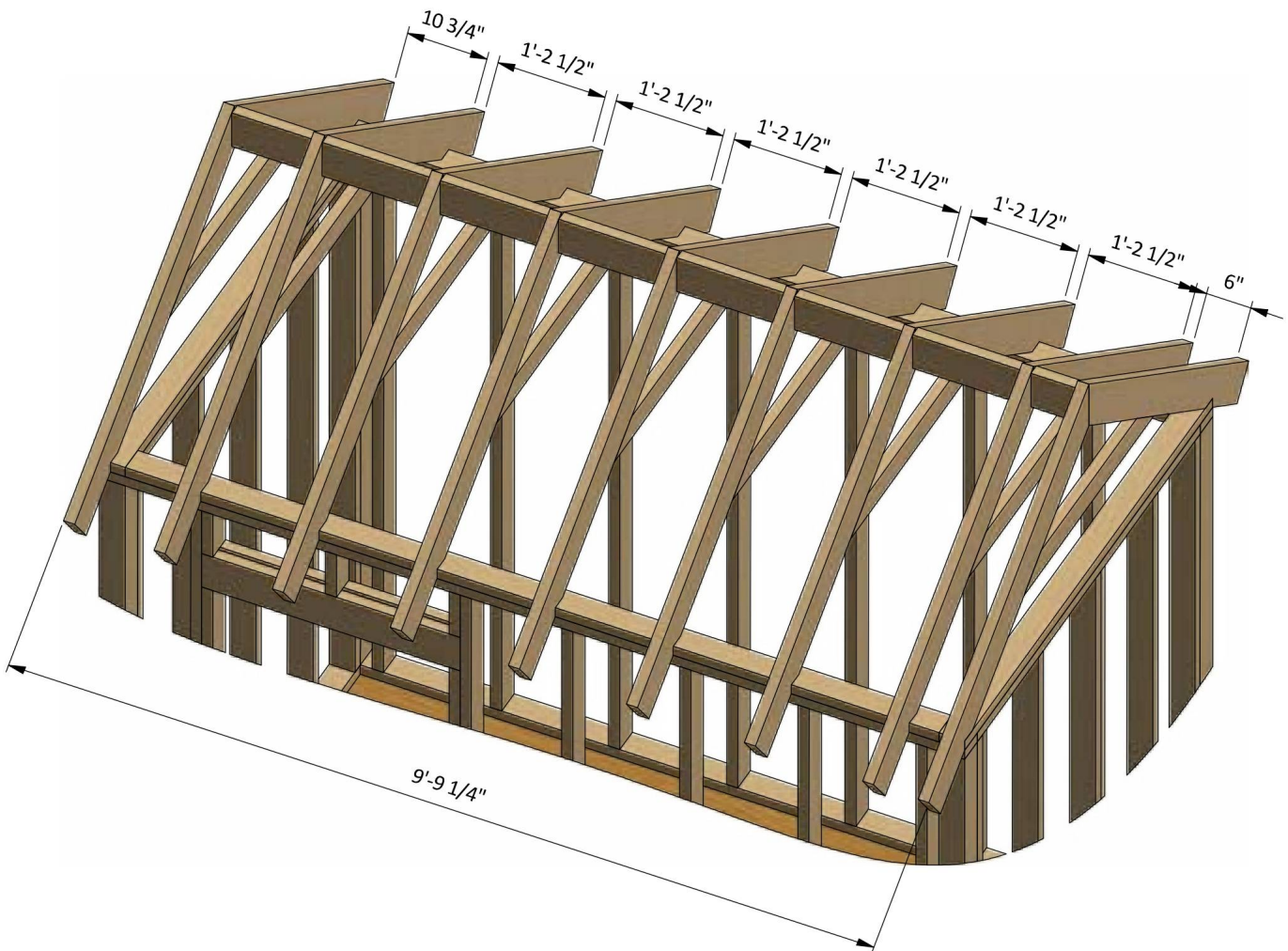
Assemble the Roof Frame

7.1 Using 1 1/2" x 5 1/2" pressure-treated lumber, cut eighteen rafters 4'-7 1/4" long according to the dimensions in drawings below.

7.2 Using 1 1/2" x 3 1/2" pressure-treated lumber, cut nine collar ties 3'-1/4" long according to the dimensions in drawings below.

7.3 Using 1 1/2" x 5 1/2" pressure-treated board, cut one board 10 3/4" long, cut one board 6" long and six boards cut to 1'-2 1/2" long that will be ridge boards according the illustration below.

7.4 Connect the beams with 3" and 5" wood screws.



STEP 8

Install Plywood for the Roof

8.1 Cut sheets of 5/8" plywood for the roof sheathing using the drawing below as a guide. You will need two 4' x 8' sheets, two 10 1/4" x 8' sheets and two 2'-3 1/4" x 4'-10 1/4" sheets.

8.2 Secure the plywood with 2" wood screws.



STEP 9

Assemble and Install Shed Door

9.1 Build the door frame for the shed using 1 1/2" x 3 1/2" pressure-treated lumber and secure with 5" wood screws. You will need two boards cut to 5'-11 1/2" that will be the vertical girts, three boards cut to 2'-1/2" that will be the horizontal girts and two boards cut to 3'-3" that will be cross braces.

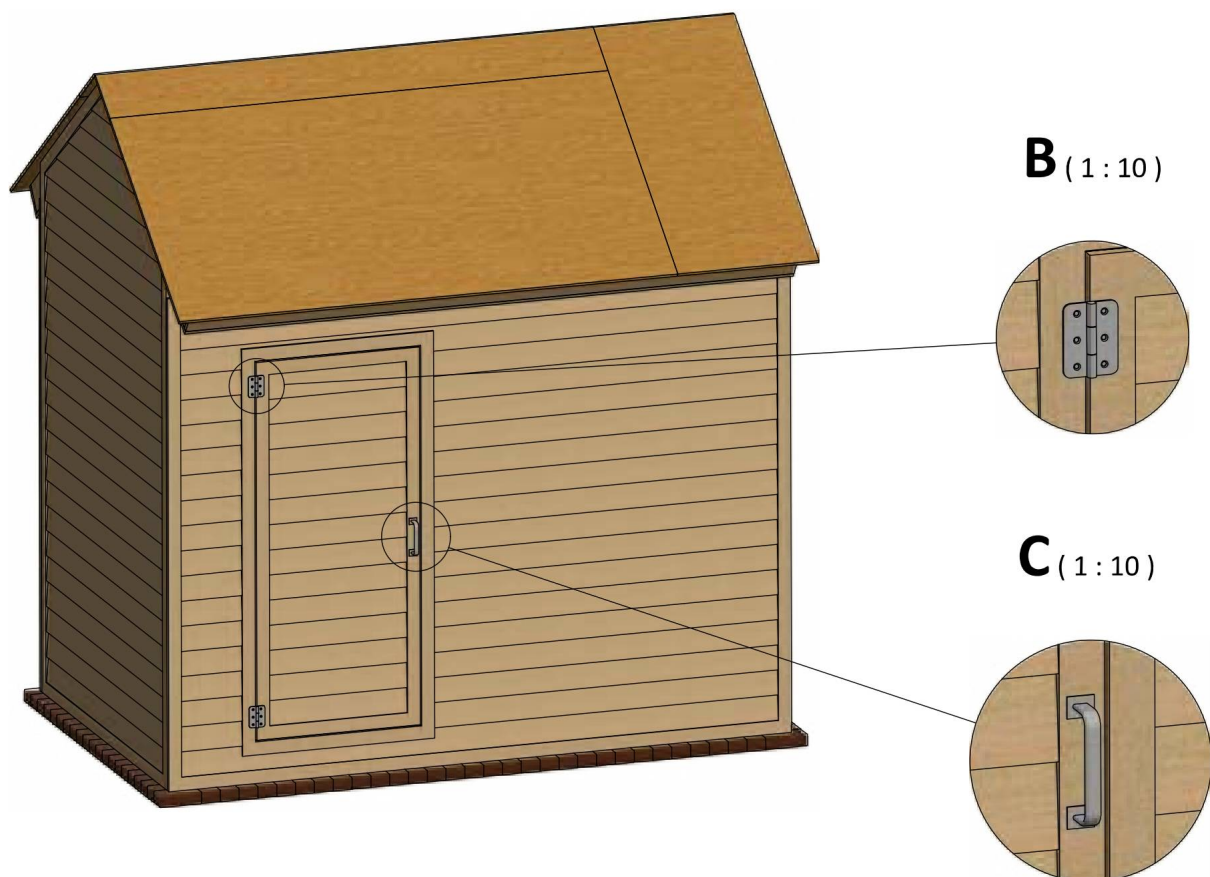
9.2 Prepare the 5/8" plywood sheet with dimensions 2'-7 1/2" x 5'-1 1/2" for the doors according to the drawing.

9.3 Use 3/4" x 2 1/2" pressure-treated lumber for the door trim and fasten with 1" wood screws. You will need two boards cut to 5'-11 1/2" and two boards cut to 2'-2 1/2".

9.4 Using 1/4" x 3/4" pressure-treated lumber, cut and install a starter course 2'-2 1/2" long using (node D on page page 29) as a reference.

9.5 For the exterior siding on the door, use 1/2" x 6" wood siding boards and the illustration below as a reference. Assemble siding shields with 2" galvanized nails.

9.6 Install two 4" door hinges using 6x1" wood screws.
Finish the doors installation by attaching 4" surface bolts and 6" door pulls (see nodes C, B).

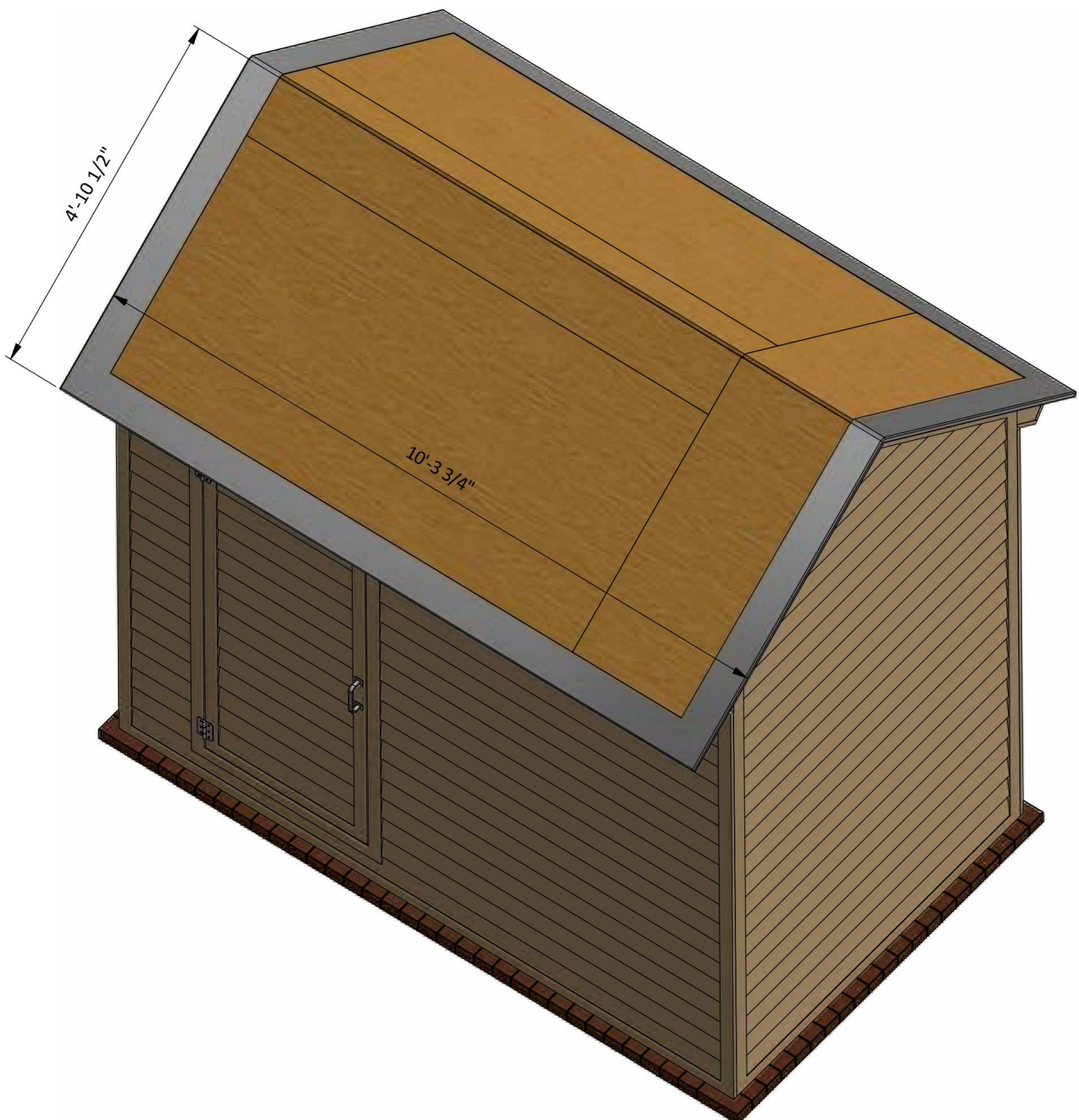


STEP 10

Roof Sheathing Installation

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

10.2 Place the drip edge down, aligning it to the plywood 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.



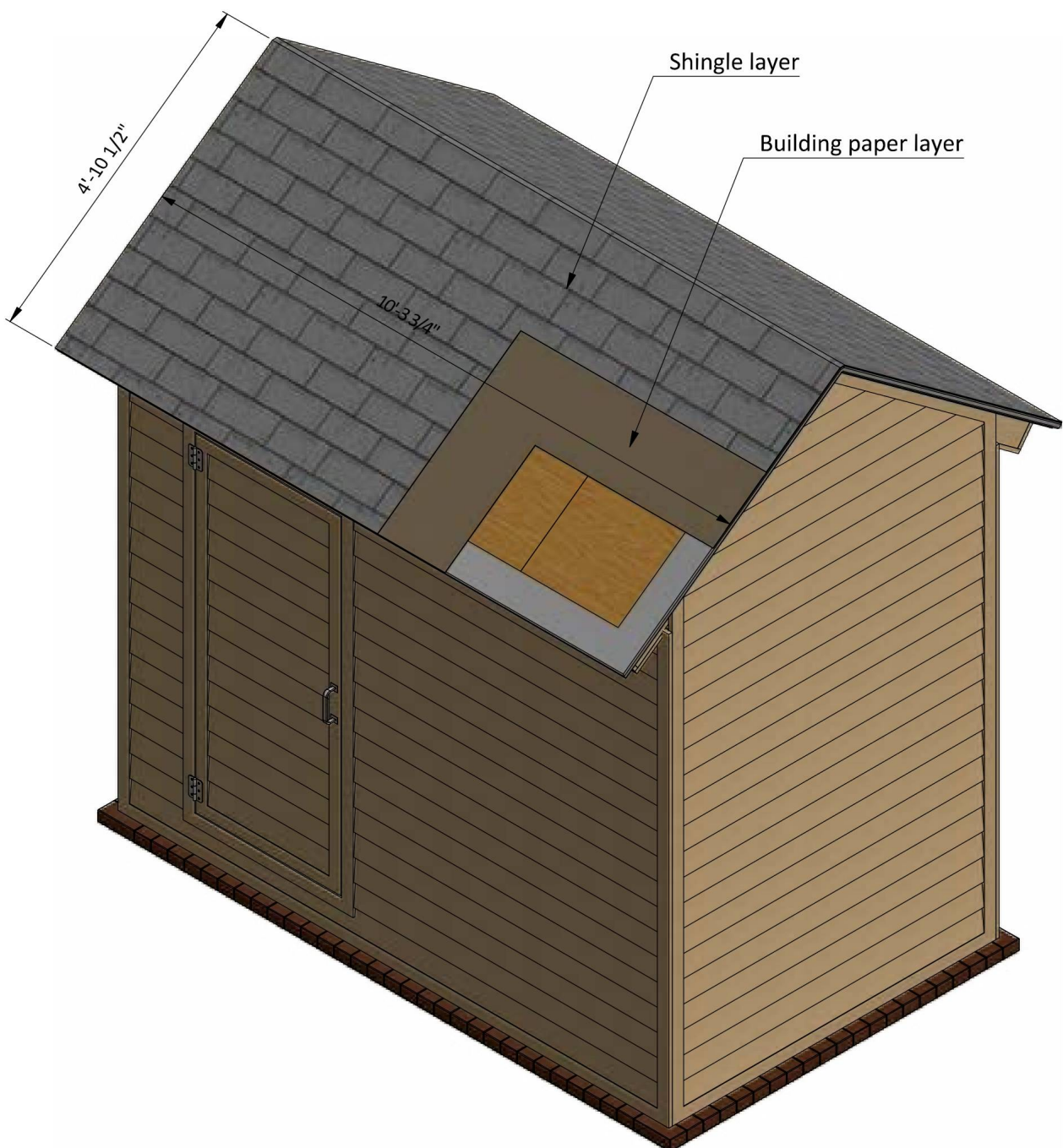
STEP 11

Roof Sheathing Installation

11.1 You will need 102 Sq Ft of building paper and asphalt shingle roofing.

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

11.3 Install asphalt shingle roofing using an industrial stapler.

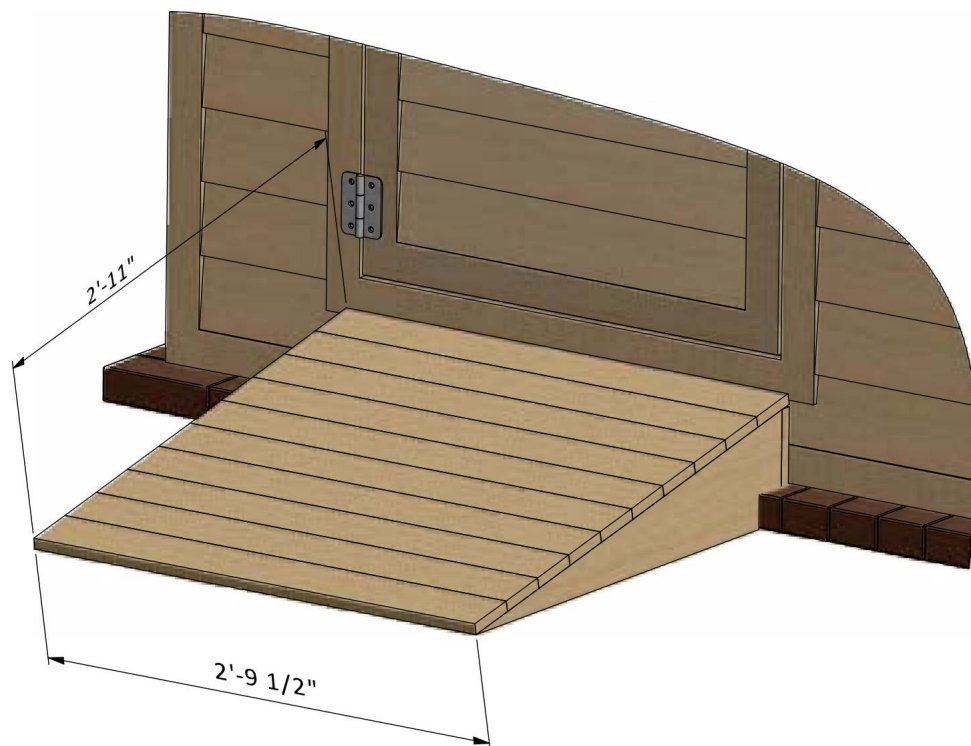


STEP 12

Assemble and Install Door Ramp

12.1 Using $3/4" \times 3\ 1/2"$, $3/4" \times 5"$, $1\ 1/2" \times 3\ 1/2"$ and $1\ 1/2" \times 7\ 1/4"$ pressure-treated lumber, construct door ramp using the drawing below as a reference. You will need three boards cut to $2'-9\ 1/2"$ that will be support girts, two boards cut to $1'-2\ 1/2"$ that will be joists (cut the top edge to fit the angle of support girts), one board cut to $2'-9\ 1/2"$ that will be rim joist and ten boards cut to $2'-9\ 1/2"$ that will be top sheathing.

12.2 Assemble siding shields with 2" and 3" galvanized nails.



STEP 13

Thank You

Now that your shed is all done, you are ready to decorate it any way you want using your favorite paint, stain, or preservative.



Note:

Shed will be painted 'White', matching the existing shed and house.



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