



24'x24' Garage Shed Plan

Compare our Free vs. Premium plan

This perfectly designed plan will guide you through the entire process of building your very own shed for any backyard or garden.



Check out the benefits you would get with our **premium edition**:

| Features | Free plan | Premium edition |
|----------------------------------|-----------|-----------------|
| Steps count | 16 | 34 |
| 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 | ✗ | ✓ |

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24'x24' Garage Shed Material List

Site Preparation

- Concrete
- Bricks

Bottom Frame

- Pressure-Treated Lumber
- Plywood

Wall Frames

- Pressure-Treated Lumber

Shed's Roof

- Pressure-Treated Lumber
- Pressure-Treated Board
- Plywood
- Building paper
- Asphalt shingles
- Metal drip edge

Shed's Door

- Pressure-Treated Lumber
- Wood siding boards
- Plywood

Fasteners & Hardware

- Door hinges
- Door pulls
- Surface bolt
- Window lock
- Wood square louver gable vent
- Galvanized nails
- Wood screws

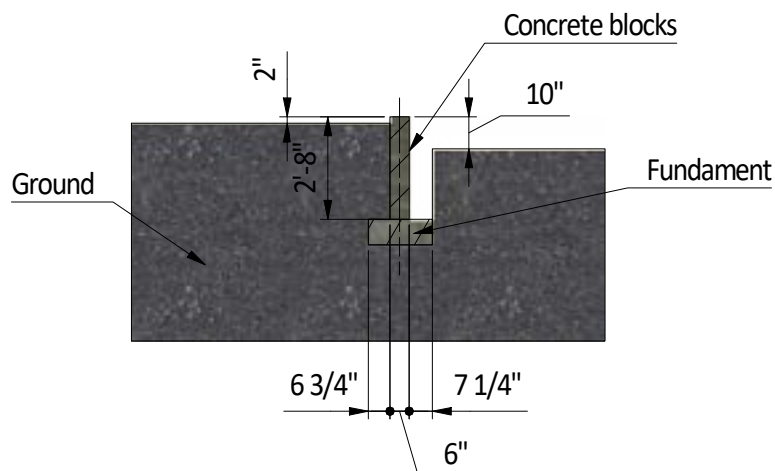
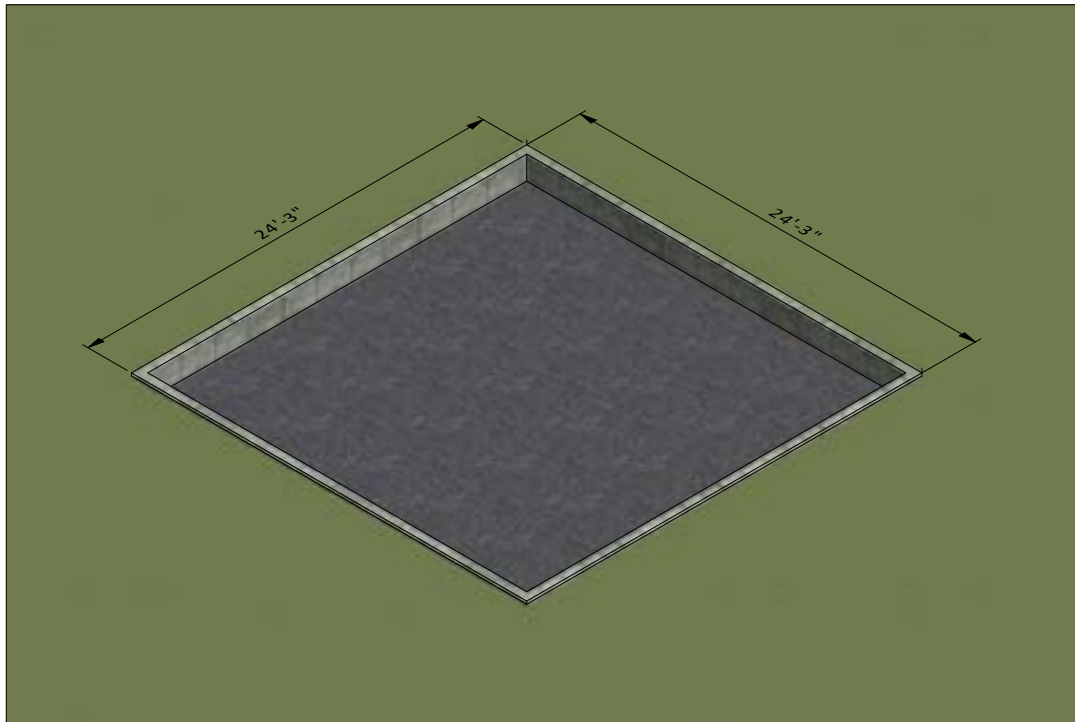
Shed's Window

- Pressure-Treated Lumber
- Window beading
- Glass

STEP 1

Foundation Preparation

1.1 Once the concrete has cured, use 8" blocks and provide 2'-8" wall across the foundation. You will need roughly 300 blocks for this step.



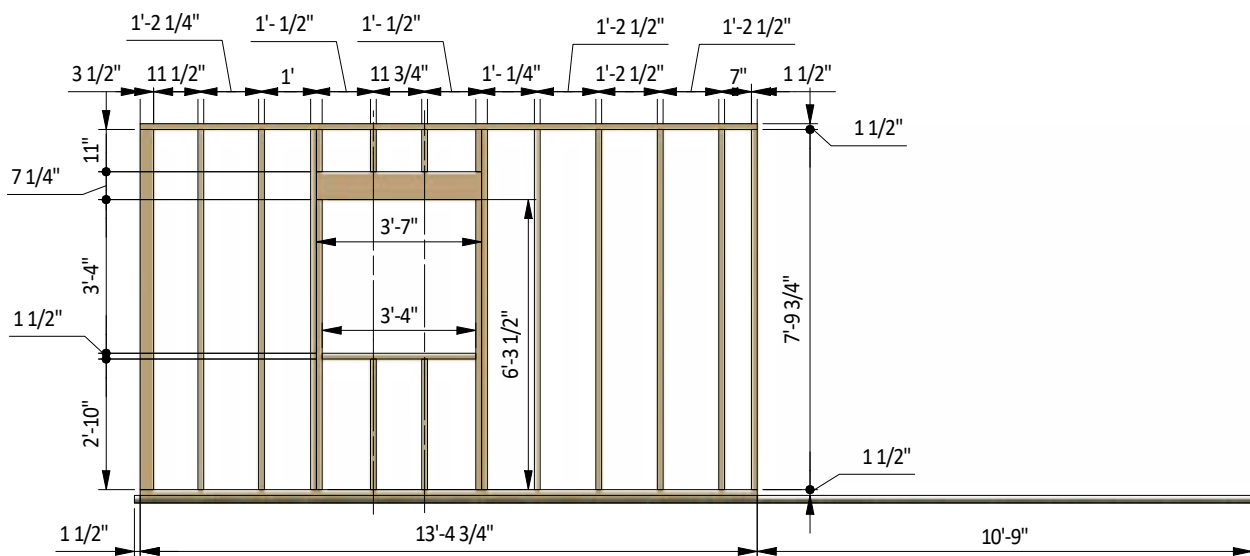
STEP 2

Assemble Right Wall Frame

2.1 Using 1 1/2" x 3 1/2", 3 1/2" x 3 1/2" and 1 1/2" x 7 1/4" pressure-treated lumber, construct right wall frame with a window using the drawing below as a reference. You will need four boards cut to 11" that will be the cripple studs, two boards cut to 3'-7" that will be the window header, one board cut to 3'-4" that will be rough sill, ten boards cut to 7'-9 3/4", two boards cut to 6'-3 1/2" and two boards cut to 2'-10" that will be the studs, two boards cut to 13'-4 3/4" that will be the top and bottom plates.

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

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



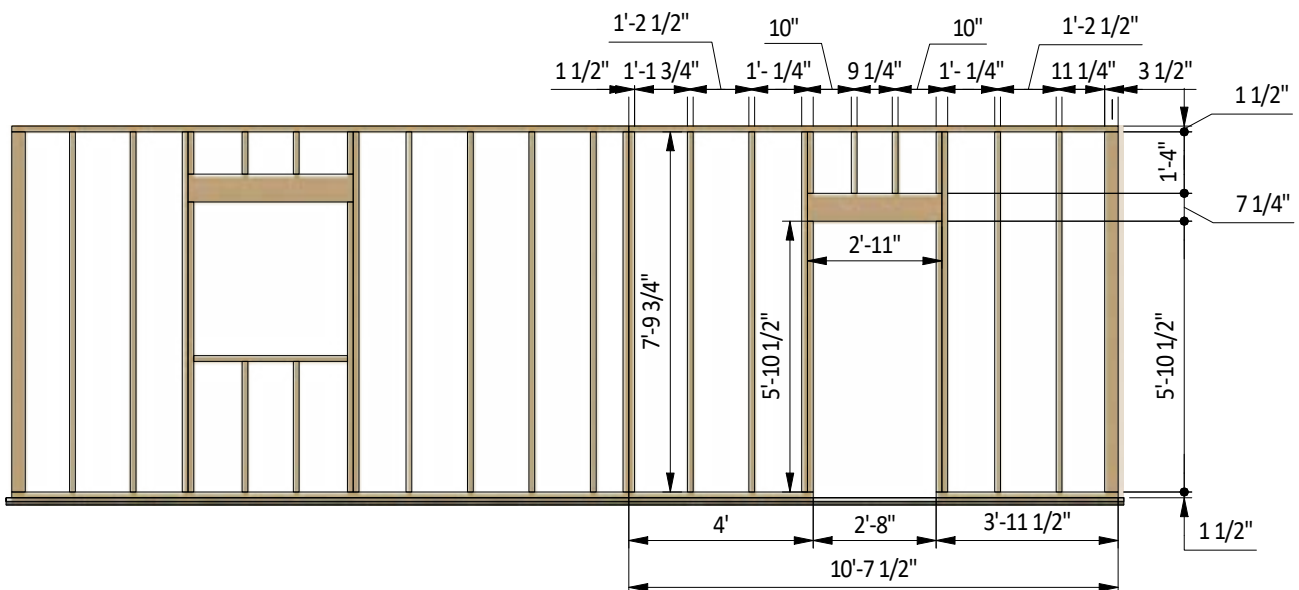
STEP 3

Assemble Right Wall Frame

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

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

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



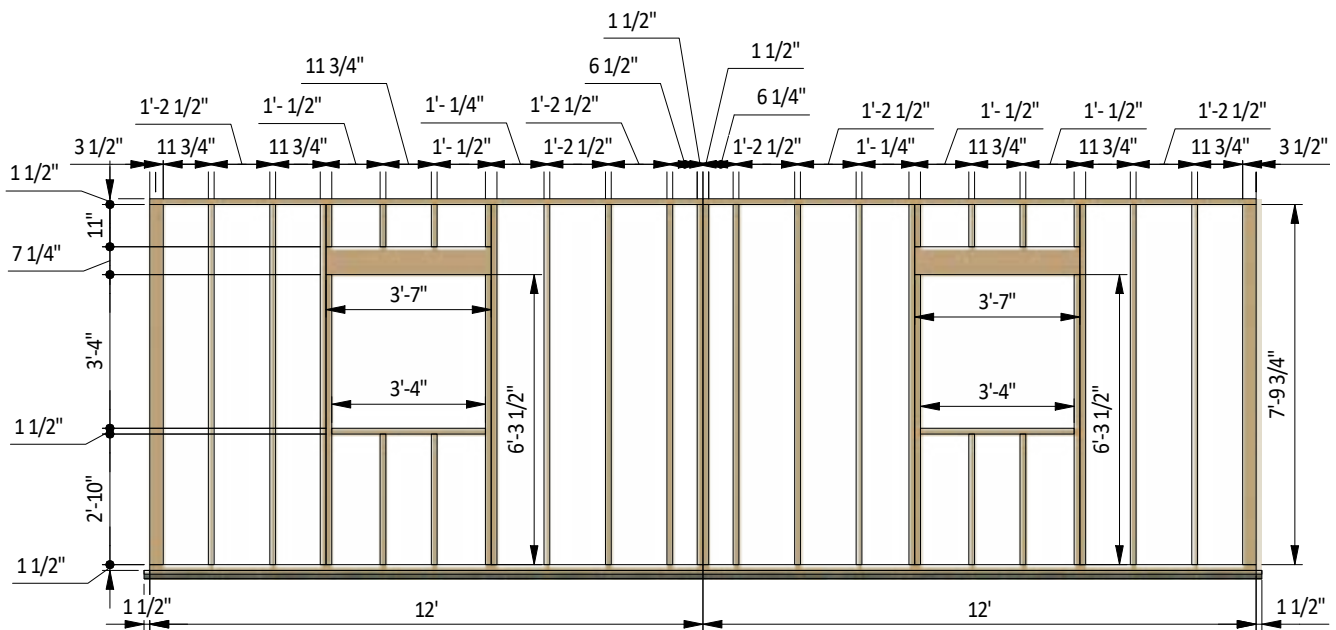
STEP 4

Assemble Left Wall Frame

4.1 Using 1 1/2" x 3 1/2", 3 1/2" x 3 1/2" and 1 1/2" x 7 1/4" pressure-treated lumber, construct left wall frame the drawing below as a reference. This wall consist of two mirrored parts, so for each you will need four boards cut to 11" that will be the cripple studs, two boards cut to 3'-7" that will be the window header, one board cut to 3'-4" that will be rough sill, nine boards cut to 7'-9 3/4", two boards cut to 6'-3 1/2" and two boards cut to 2'-10" that will be the studs, two boards cut to 12' that will be the top and bottom plates.

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°.



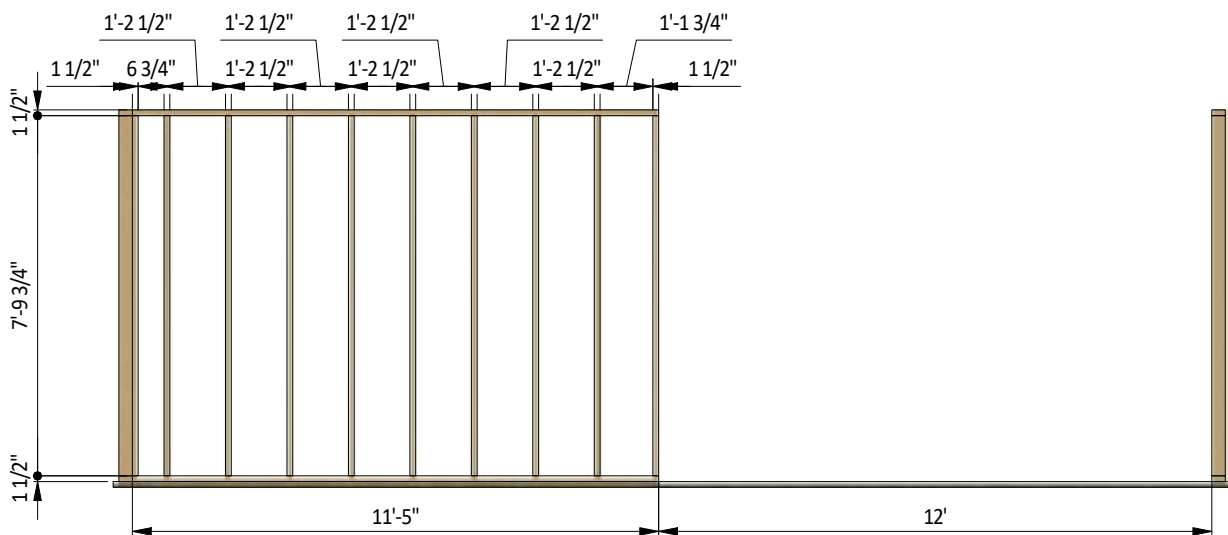
STEP 5

Assemble Back Wall Frame

5.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, construct back wall frame using the drawing below as a reference. You will need ten boards cut to 7'-9 3/4" that will be the studs and two boards cut to 11'-5" 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°.



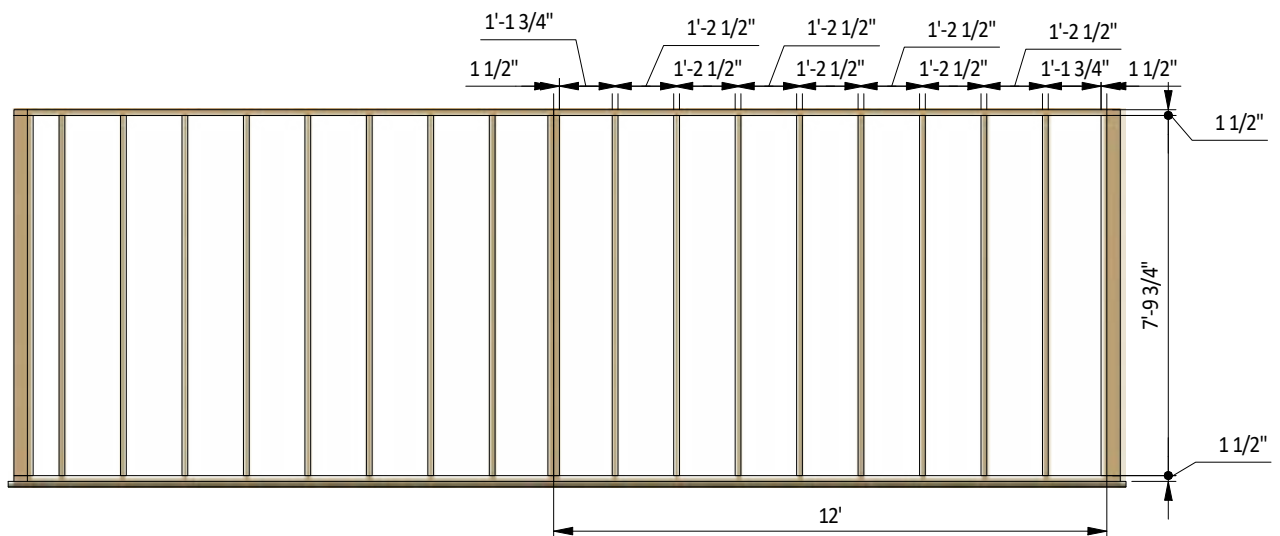
STEP 6

Assemble Back Wall Frame

6.1 Using 1 1/2" x 3 1/2" pressure-treated lumber, construct back wall frame using the drawing below as a reference. You will need ten boards cut to 7'-9 3/4" that will be the studs and two boards cut to 12' 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°.



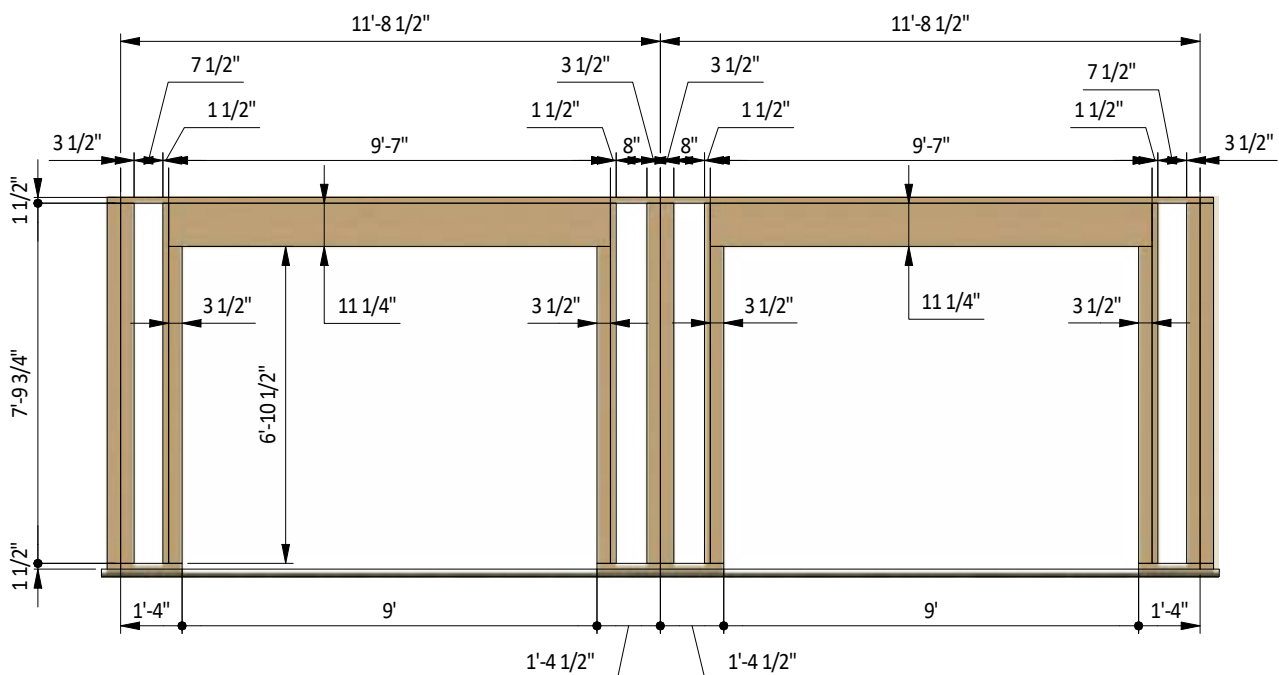
STEP 7

Assemble Front Wall Frame

7.1 Using 1 1/2" x 3 1/2", 3 1/2" x 3 1/2" and 1 1/2" x 11 1/4" pressure-treated lumber, construct front wall frame using the drawing below as a reference. This wall consists of two mirrored parts, so for each of them you will need two boards cut to 9'-7" that will be the door header, four boards cut to 7'-9 3/4" and two boards to 6'-10 1/2" that will be the studs, one board cut to 1'-4" and one board cut to 1'-4 1/2" that will be the bottom plates and one board cut to 11'-8 1/2" that will be the top plate.

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

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



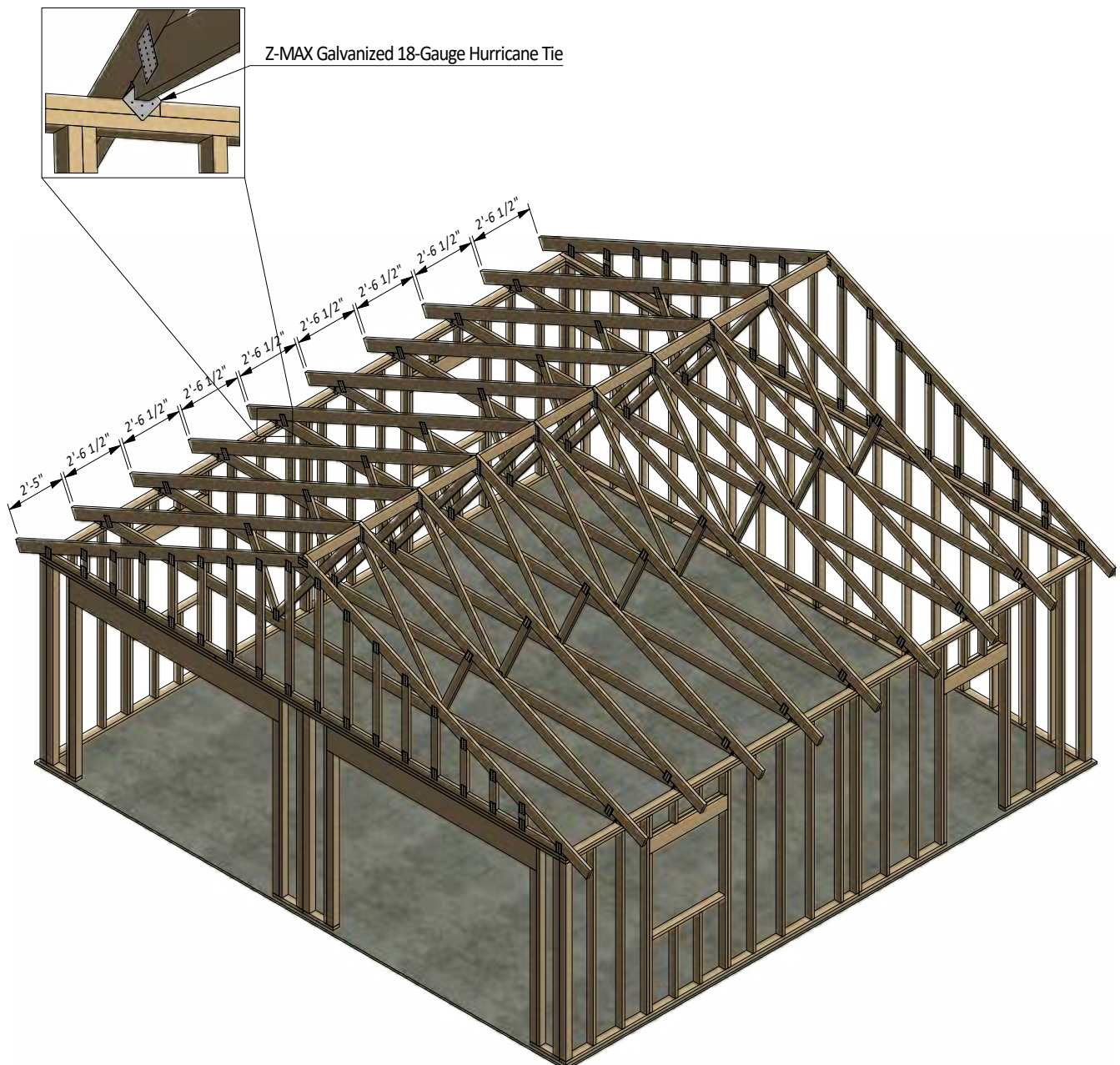
STEP 8

Assemble the Roof Frame

8.1 Using 1 1/2" x 3 1/2" and 1 1/2" x 5 1/2" pressure-treated lumber, assemble eight middle trusses according to the dimensions in drawing below. For each of them you will need two boards cut to 14'-4 3/4" that will be the rafters and one board cut to 24'-2" that will be tie beam.

8.2 Using 1 1/2" x 3 1/2" pressure-treated lumber, cut two 3' and two 6'-3 1/2" webs. Cut the edges of each web to connect them with rafters and other webs. Assemble them according to the drawings below with the help of 3 1/4" x 5" and 5 3/4" x 7" tie plates and 1" wood screws.

8.3 Using 1 1/2" x 5 1/2" pressure-treated lumber, cut eight 2'-6 1/2" and one 2'-5" ridge boards and insert them between trusses according to drawing below.

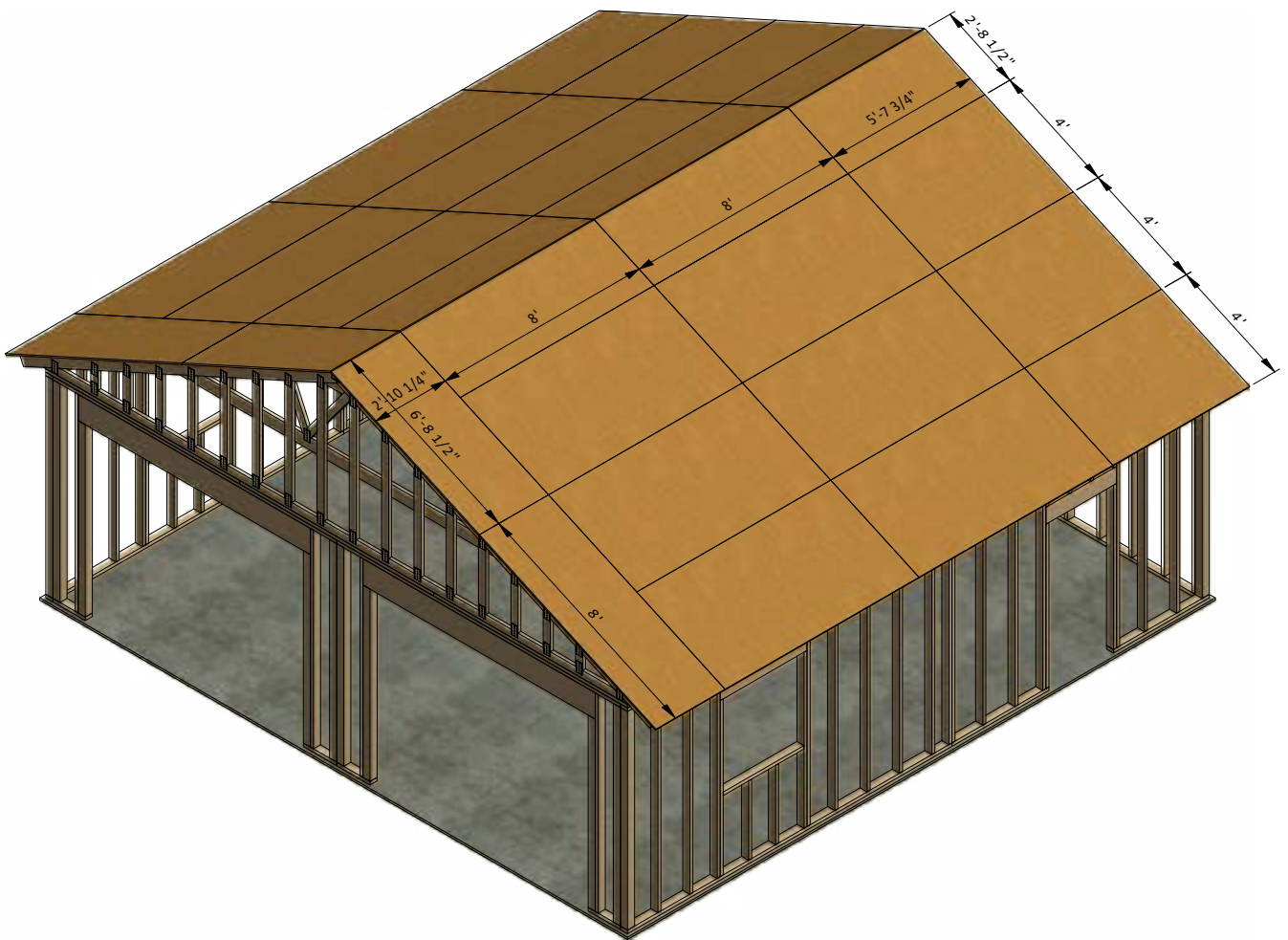


STEP 9

Install Plywood for the Roof

9.1 Cut sheets of 5/8" plywood for the roof sheathing using the drawing below as a guide. You will need two 2'-8 1/2" x 5'-7 3/4" sheets, four 2'-8 1/2" x 8' sheets, six 4' x 5'-7 3/4" sheets, twelve 4' x 8' sheets, two 2'-10 1/4" x 6'-8 1/2" sheets and two 2'-10 1/4" x 8' sheets.

9.2 Secure the plywood with 2" wood screws.



STEP 10

Installing the Exterior Siding to the Left Wall

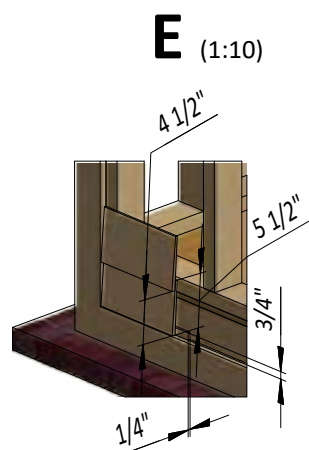
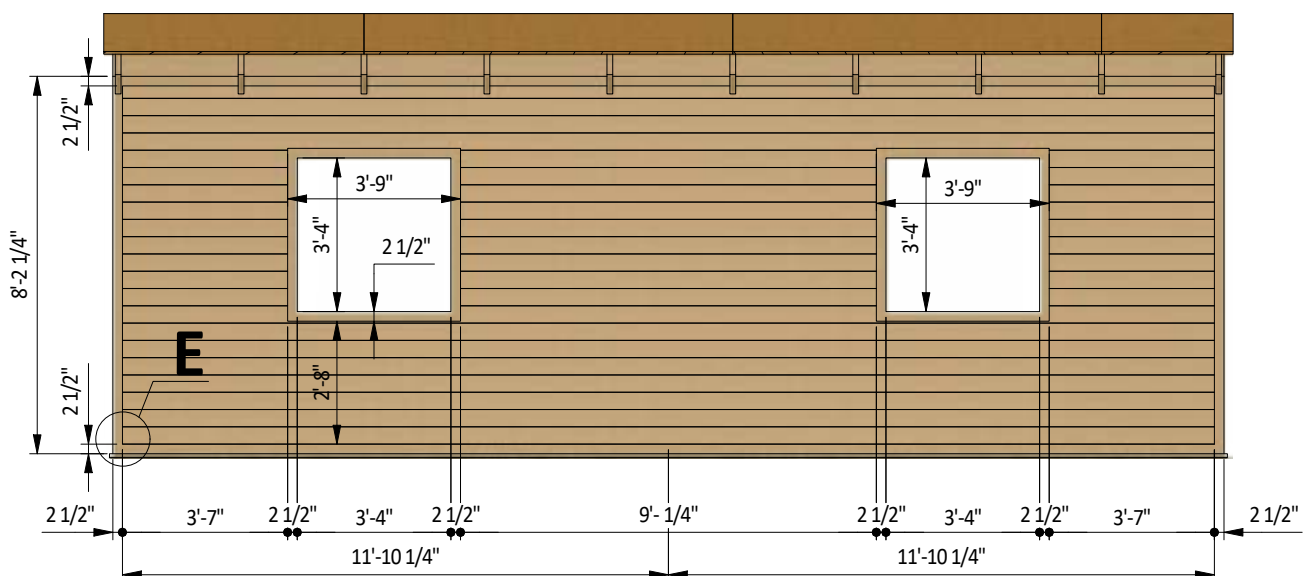
10.1 Use 3/4" x 2 1/2" pressure-treated lumber to cut and install the wall trims. Use the illustration below as a reference. You will need two boards cut to 8'-2 1/4" and four boards cut to 11'-10 1/4".

10.2 Prepare and install two starter courses 11'-10 1/4" long from the pressure-treated lumber with cross section 1/4" x 3/4".

10.3 Install the exterior siding using 1/2"x 6" siding boards in accordance with the illustration below.

10.4 Ensure to provide openings for windows as shown in the illustration.

10.5 Use 3/4" x 2 1/2" pressure-treated lumber to cut and install the window trims. You will need four boards cut to 3'-4" and four boards cut to 3'-9".



STEP 11

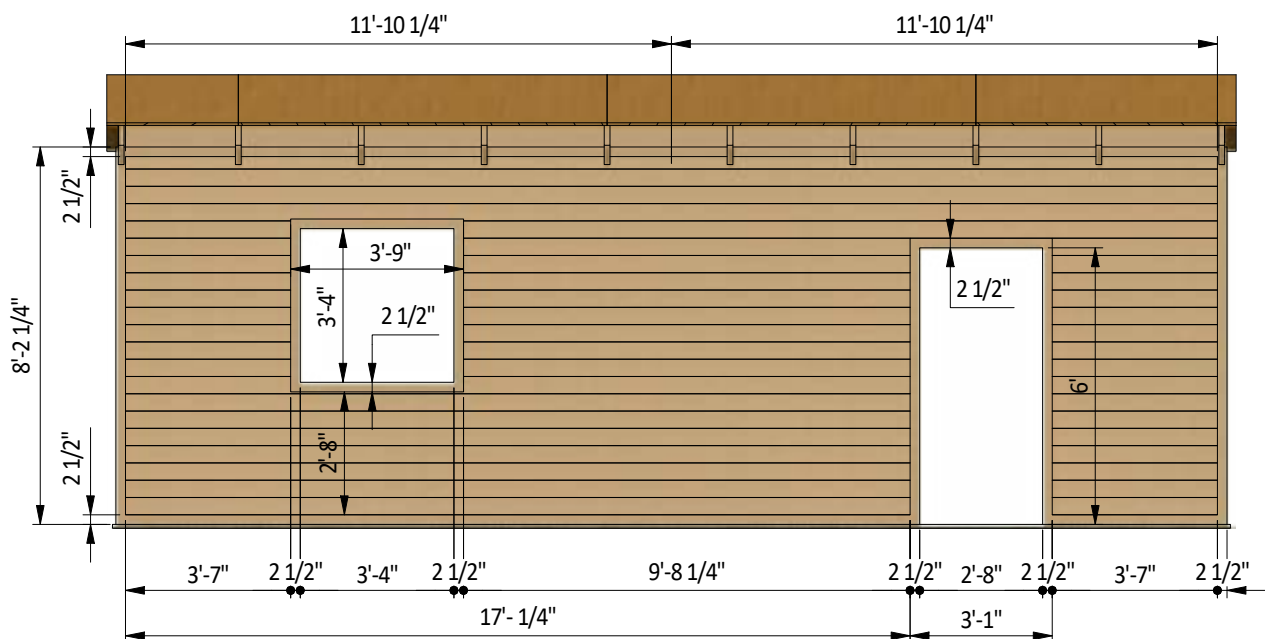
Installing the Exterior Siding to the Right Wall

11.1 Use 3/4" x 2 1/2" pressure-treated lumber to cut and install the door and wall trims. Use the illustration below as a reference. You will need two boards cut to 8'-2 1/4", one board cut to 17'-1/4", two boards cut to 6', one board cut to 3'-1", one board cut to 3'-7" and two boards cut to 11'-10 1/4".

11.2 Prepare and install starter courses 17'-1/4" and 3'-7" long from the pressure-treated lumber with cross section 1/4" x 3/4".

11.3 Install the exterior siding using 1/2" x 6" siding boards in accordance with the illustration below.

11.4 Use 3/4" x 2 1/2" pressure-treated lumber to cut and install the window trims. You will need two boards cut to 3'-9" and two boards cut to 3'-4".



STEP 12

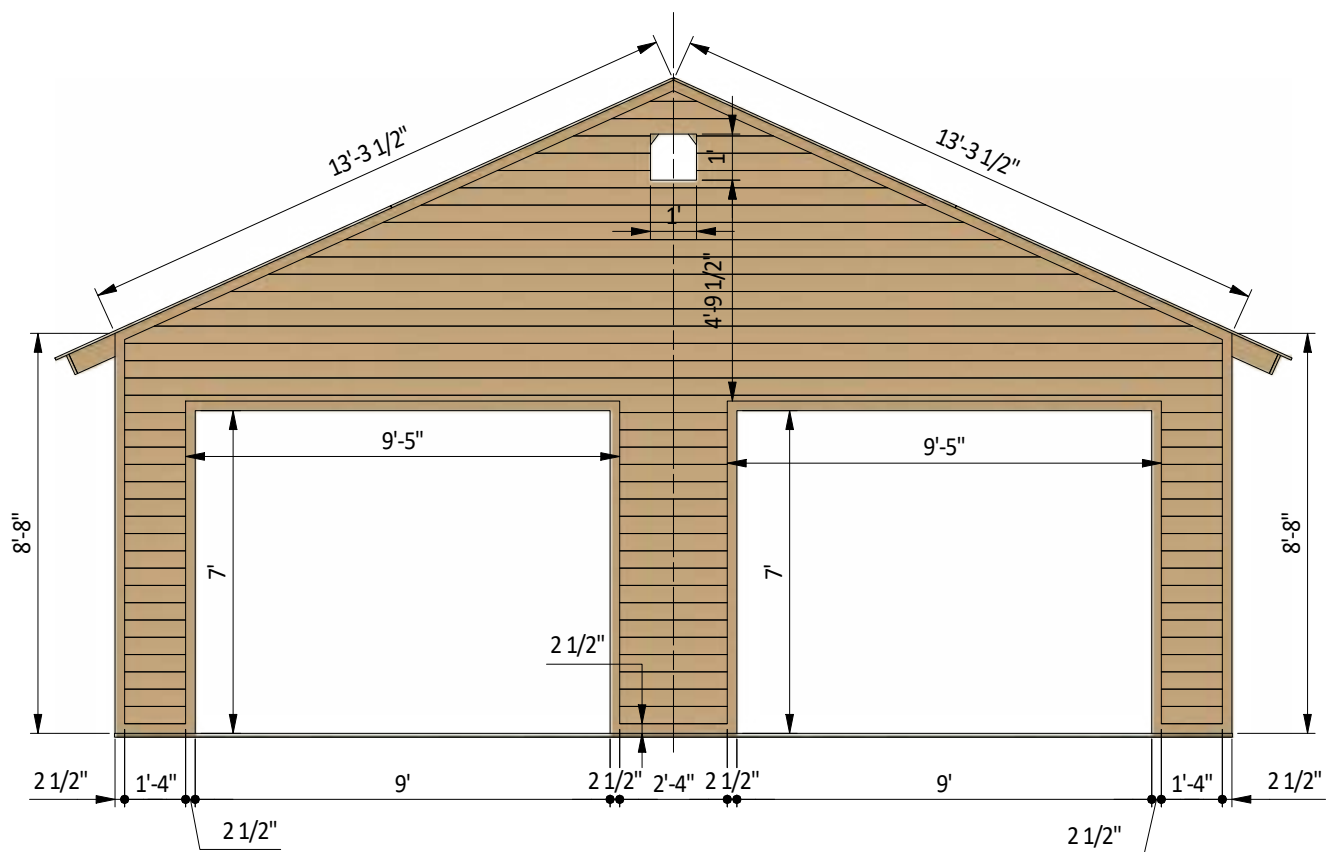
Installing the Exterior Siding to the Front Wall

12.1 Use $\frac{3}{4}$ " x $2\frac{1}{2}$ " pressure-treated lumber to cut and install the door and wall trims. Use the illustration below as a reference. You will need two boards cut to 8'-8", two boards cut to 1'-4", four boards cut to 7', two boards cut to 9'-5", one board cut 2'-4" and two boards cut to 13'-3 $\frac{1}{2}$ ".

12.2 Prepare and install two starter courses 1'-4" long and one starter course 2'-4" long from the pressure-treated lumber with cross section $\frac{1}{4}$ " x $\frac{3}{4}$ ".

12.3 Install the exterior siding using $\frac{1}{2}$ " x 6" siding boards in accordance with the illustration below.

12.4 Ensure to provide an opening for ventilation as shown in the illustration.



STEP 13

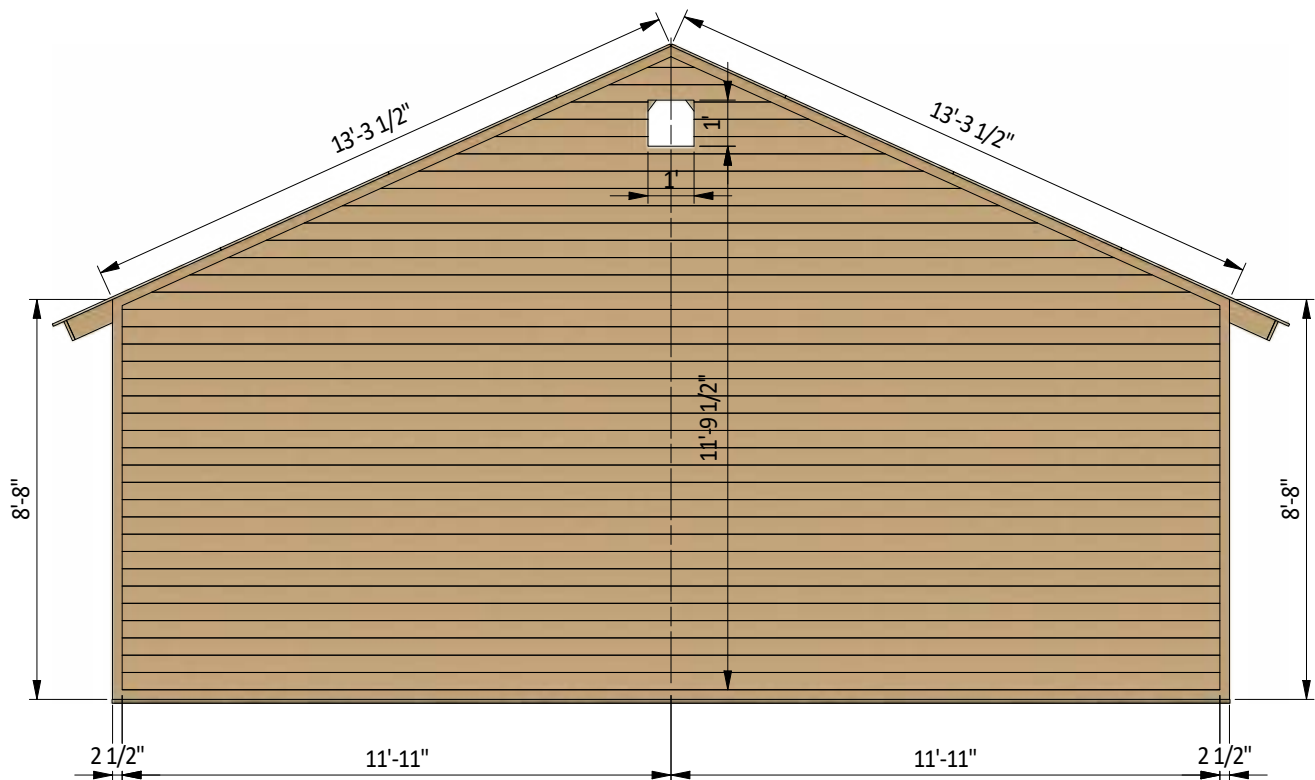
Installing the Exterior Siding to the Back Wall

13.1 Use $\frac{3}{4}$ " x $2\frac{1}{2}$ " pressure-treated lumber to cut and install the wall trims. Use the illustration below as a reference. You will need two boards cut to 8'-8", two boards cut to 11'-11" and two boards cut to 13'-3 $\frac{1}{2}$ ".

13.2 Prepare and install two starter courses 11'-11" long from the pressure-treated lumber with cross section $\frac{1}{4}$ " x $\frac{3}{4}$ ".

13.3 Install the exterior siding using $\frac{1}{2}$ " x 6" siding boards in accordance with the illustration below.

13.4 Ensure to provide opening for ventilation as shown in the illustration.



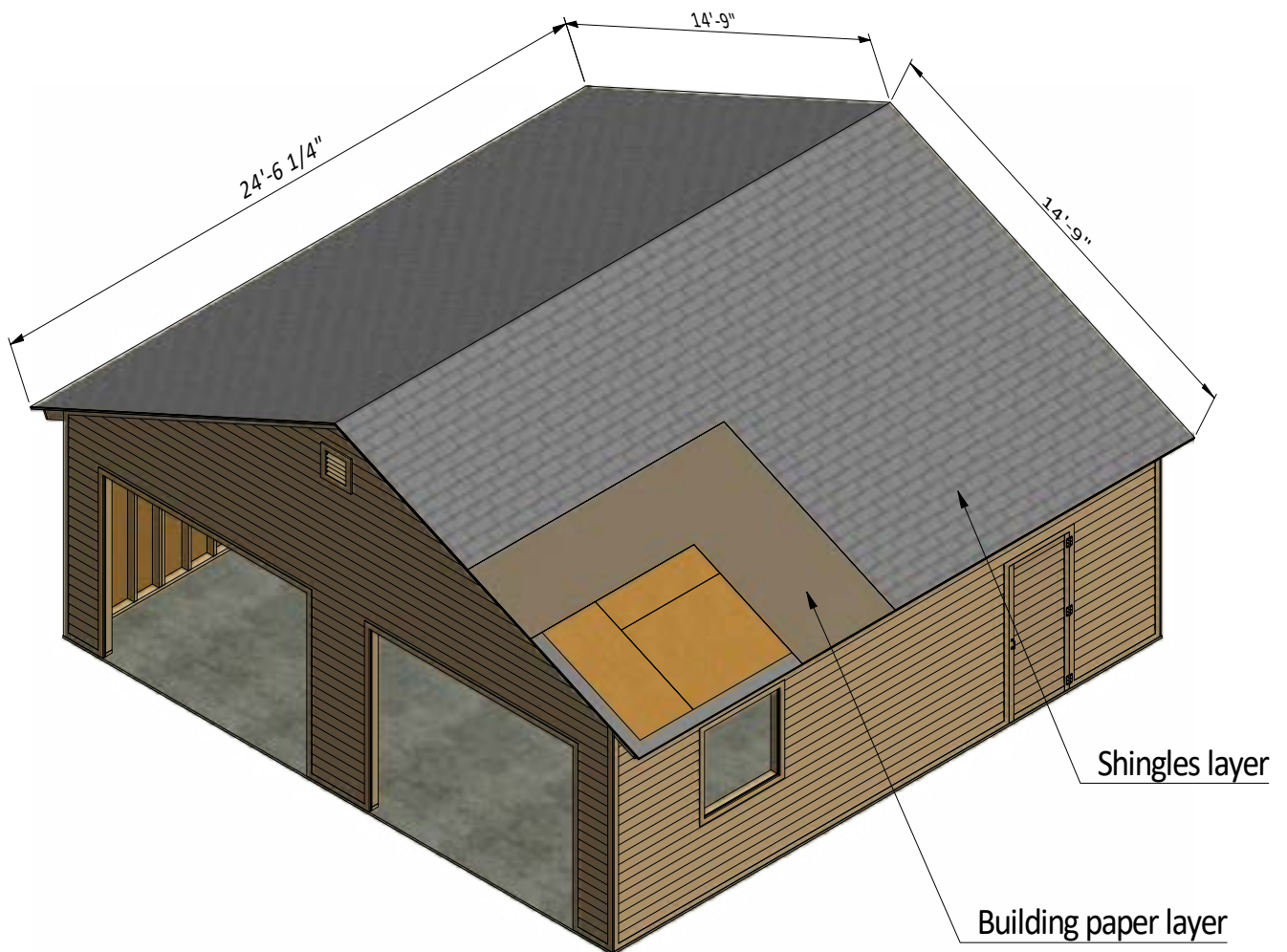
STEP 14

Roof Sheathing Installation

14.1 You will need 730 Sq Ft of building paper and asphalt shingle roofing.

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

14.3 Install asphalt shingle roofing using an industrial stapler.

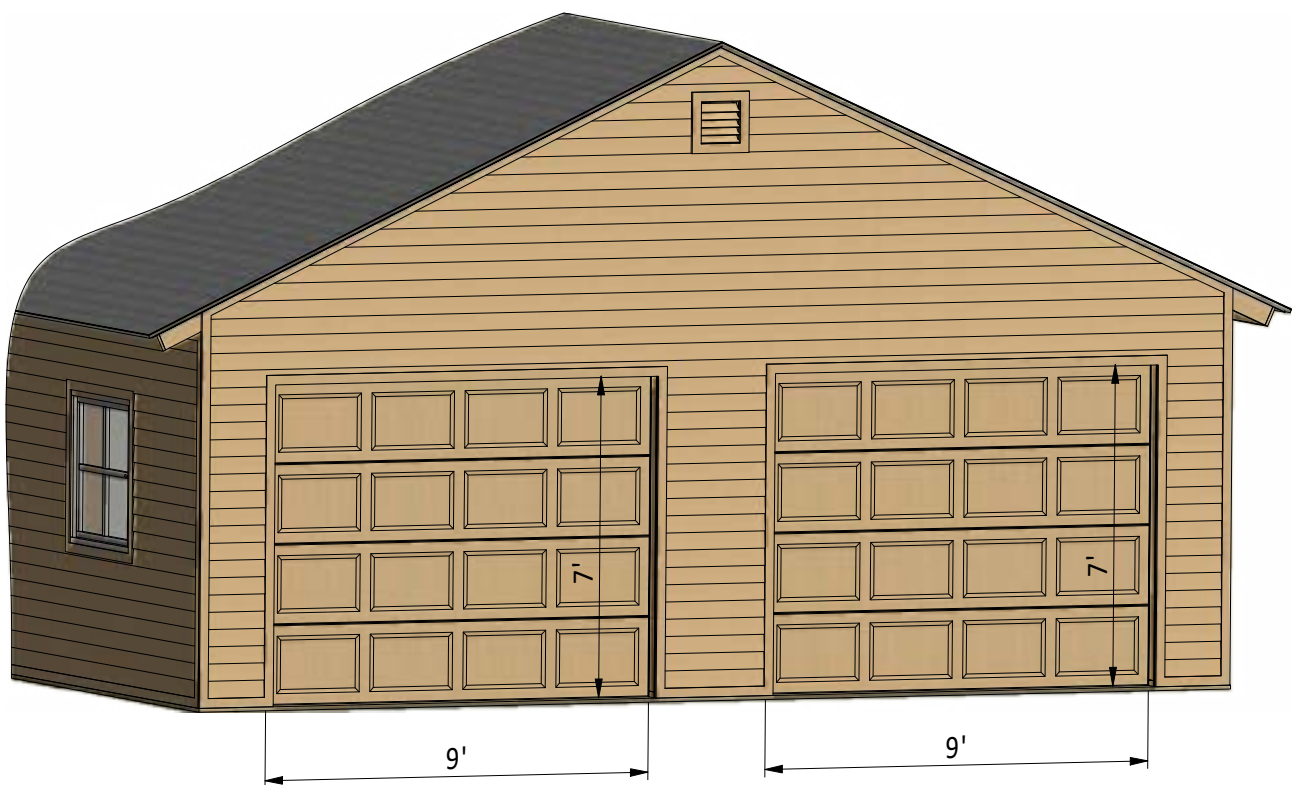


STEP 15

Assemble and Install Lifting Garage Door

15.1 As an alternative to a simple swing gate, you can install a lifting garage door. Before ordering, make sure that the width of the opening corresponds to the width of the gate.

15.2 Install all elements of the gate according to the instructions with self-tapping screws to the beams of the walls and roof.



STEP 16

Finishing

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



Compare our Free vs. Premium plan

This perfectly designed plan will guide you through the entire process of building your very own shed for any backyard or garden.



Check out the benefits you would get with our **premium edition**:

| Features | Free plan | Premium edition |
|----------------------------------|-----------|-----------------|
| Steps count | 16 | 34 |
| 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 | ✗ | ✓ |

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