



## 12'x20' Garden Shed Plan

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# 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	12	32
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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# 12' x 20' Garden 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

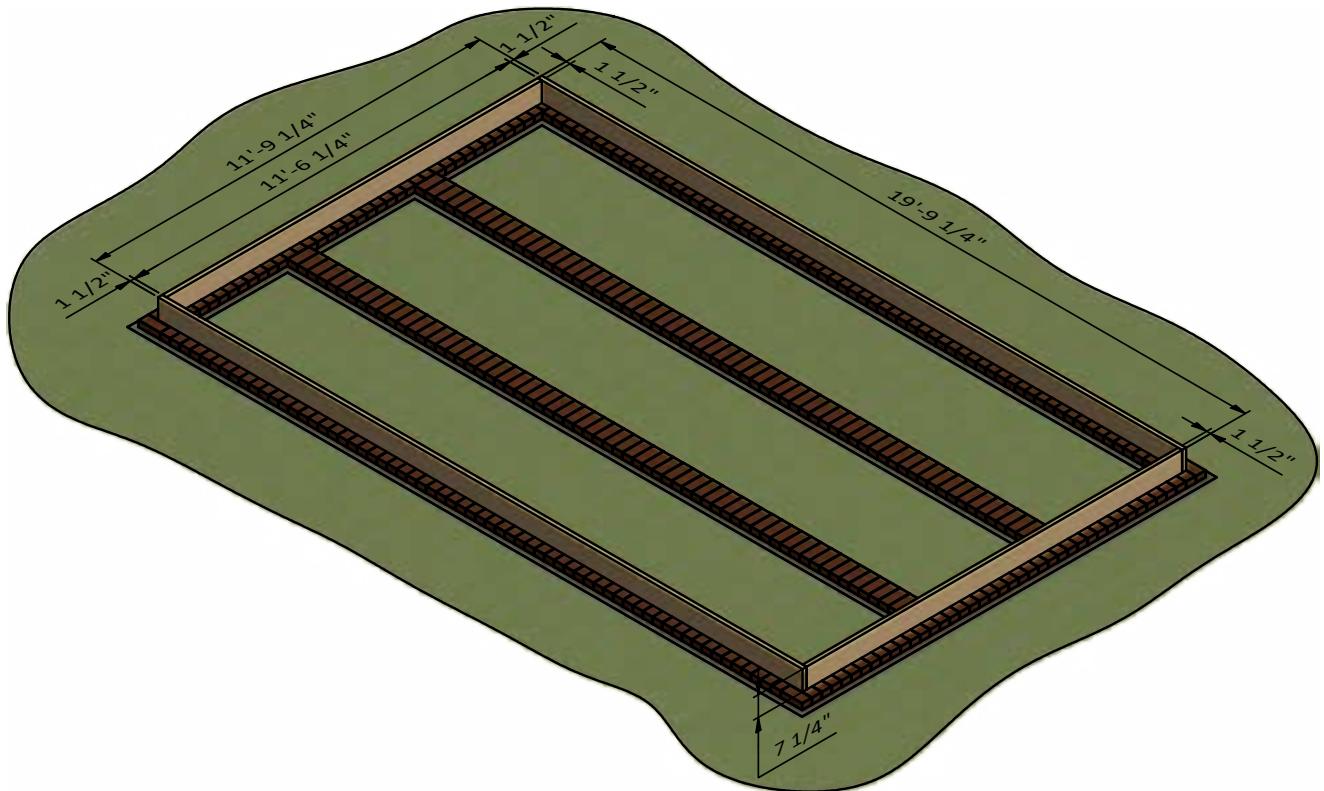
## STEP 1

### Framing the Floor

**1.1** Assemble the frame using 1 1/2" x 7 1/4" pressure-treated lumber. You will need two boards cut to 19'-9 1/4" that will be the rim joist and two boards cut to 11'-6 1/4" that will be the joist.

**1.2** Secure the beams with 8x3" wood screws.

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



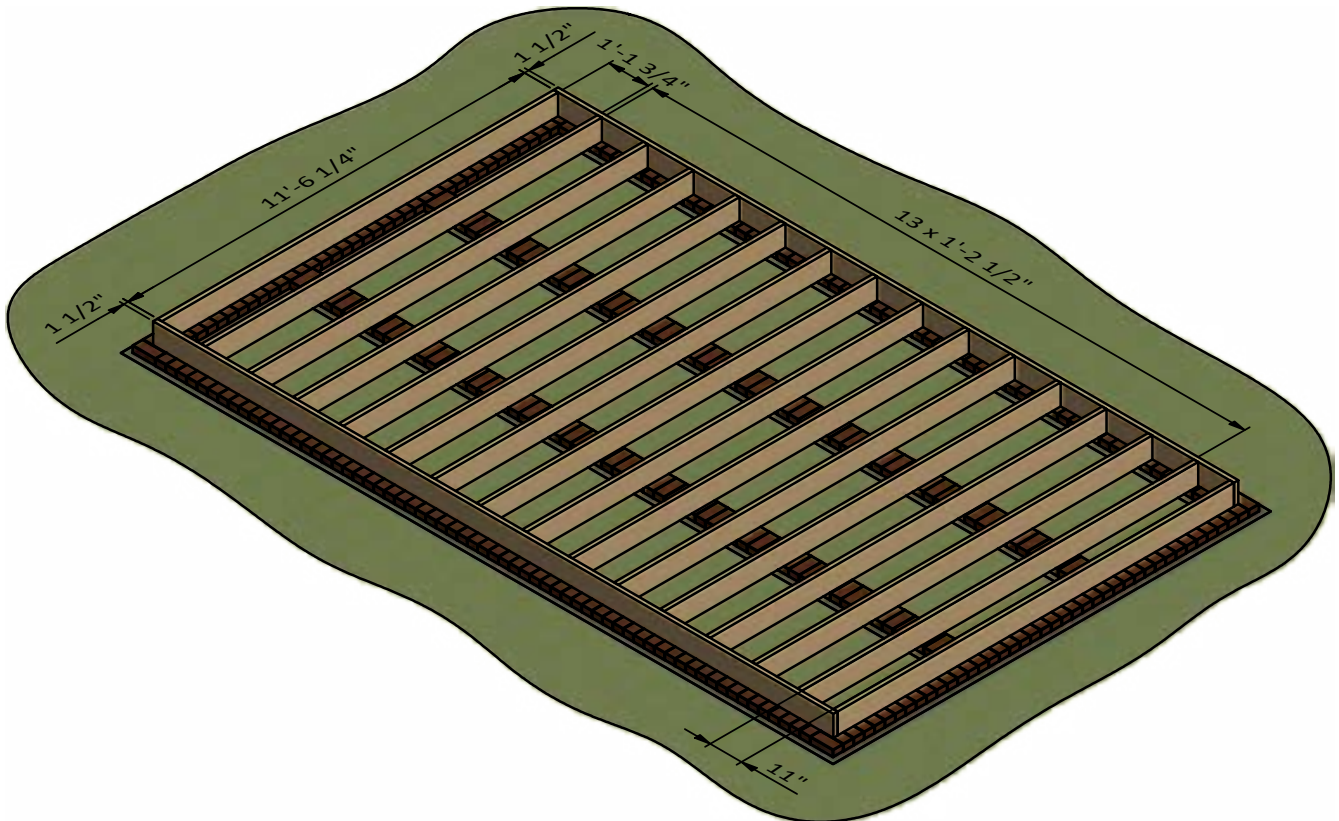
## STEP 2

### Framing the Floor

**2.1** Assemble the frame using 1 1/2" x 7 1/4" pressure-treated lumber. You will need fourteen boards cut to 11'-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°.





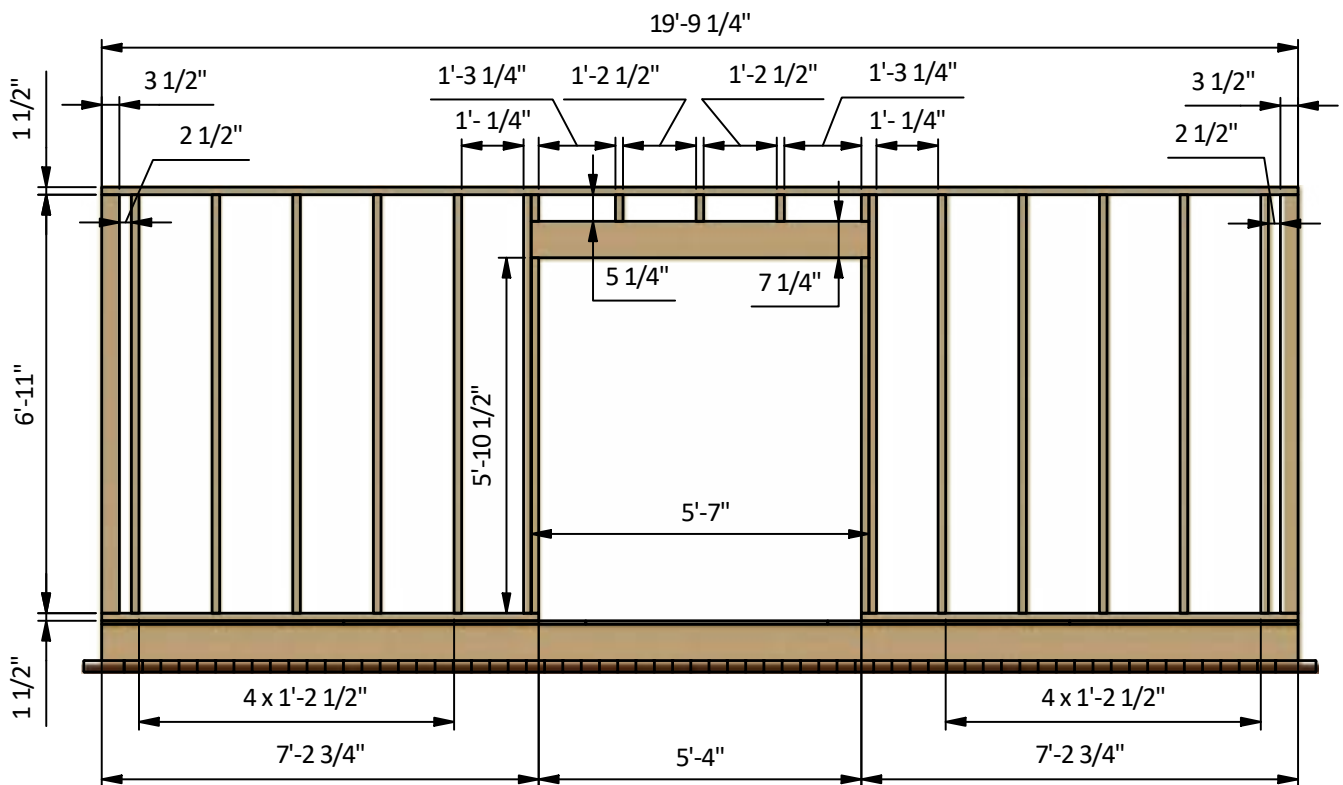
### STEP 3

## Assemble Front Wall Frame

**3.1** Using 1 1/2" x 3 1/2", 1 1/2" x 7 1/4" 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 fourteen boards cut to 6'-11", two boards cut to 5'-10 1/2" that will be studs, two boards cut to 7'-2 3/4" that will be the bottom plates, one board cut to 19'-9 1/4" that will be the top plate, two boards cut to 5'-7" that will be the door header and five boards cut to 5 1/4" that will be cripple studs.

**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°.



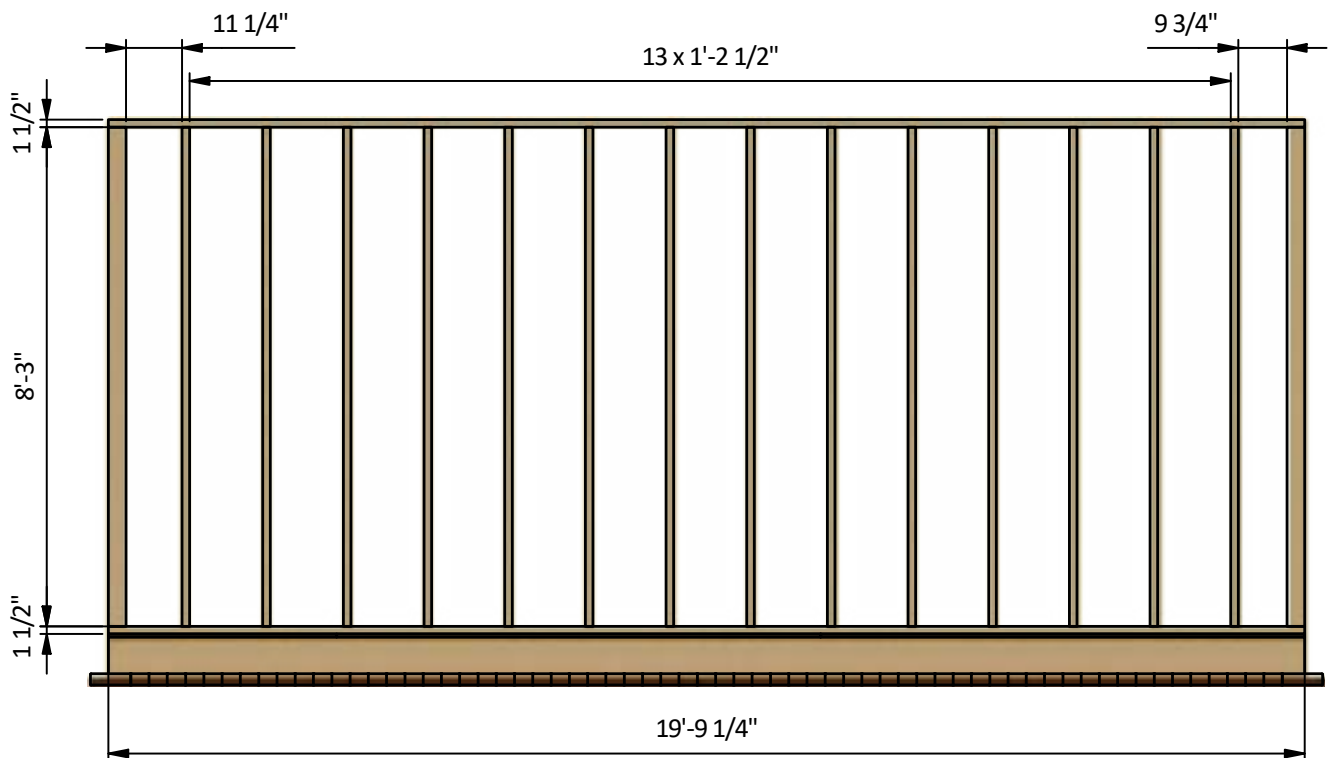
## STEP 4

### Assemble Back Wall Frame

**4.1** 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 sixteen boards cut to 8'-3" that will be the studs and two boards cut to 19'-9 1/4" that will be the top and bottom plates.

**4.2** Connect the beams with 2x3" wood screws.

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



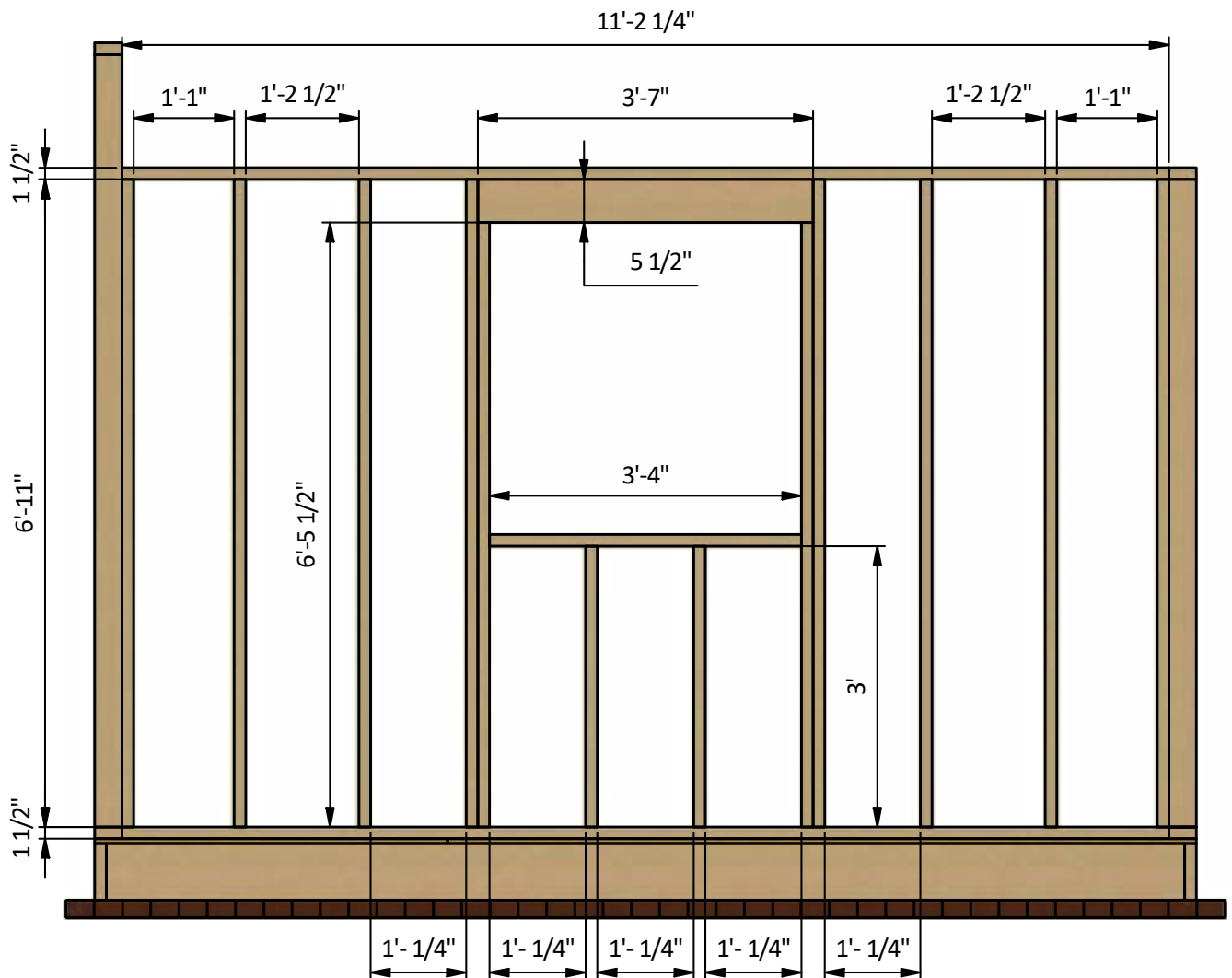
## STEP 5

### Assemble Side Wall Frames

**5.1** Using 1 1/2" x 3 1/2" and 1 1/2" x 5 1/2" pressure-treated lumber, construct side wall frames using the drawing below as a reference. For each side wall you will need two boards cut to 3'-7" that will be the window header, one board cut to 3'-4" that will be rough sill, eight boards cut to 6'-11", two boards cut to 6'-5 1/2" and two boards cut to 3' that will be the studs and two boards cut to 11'-2 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°.



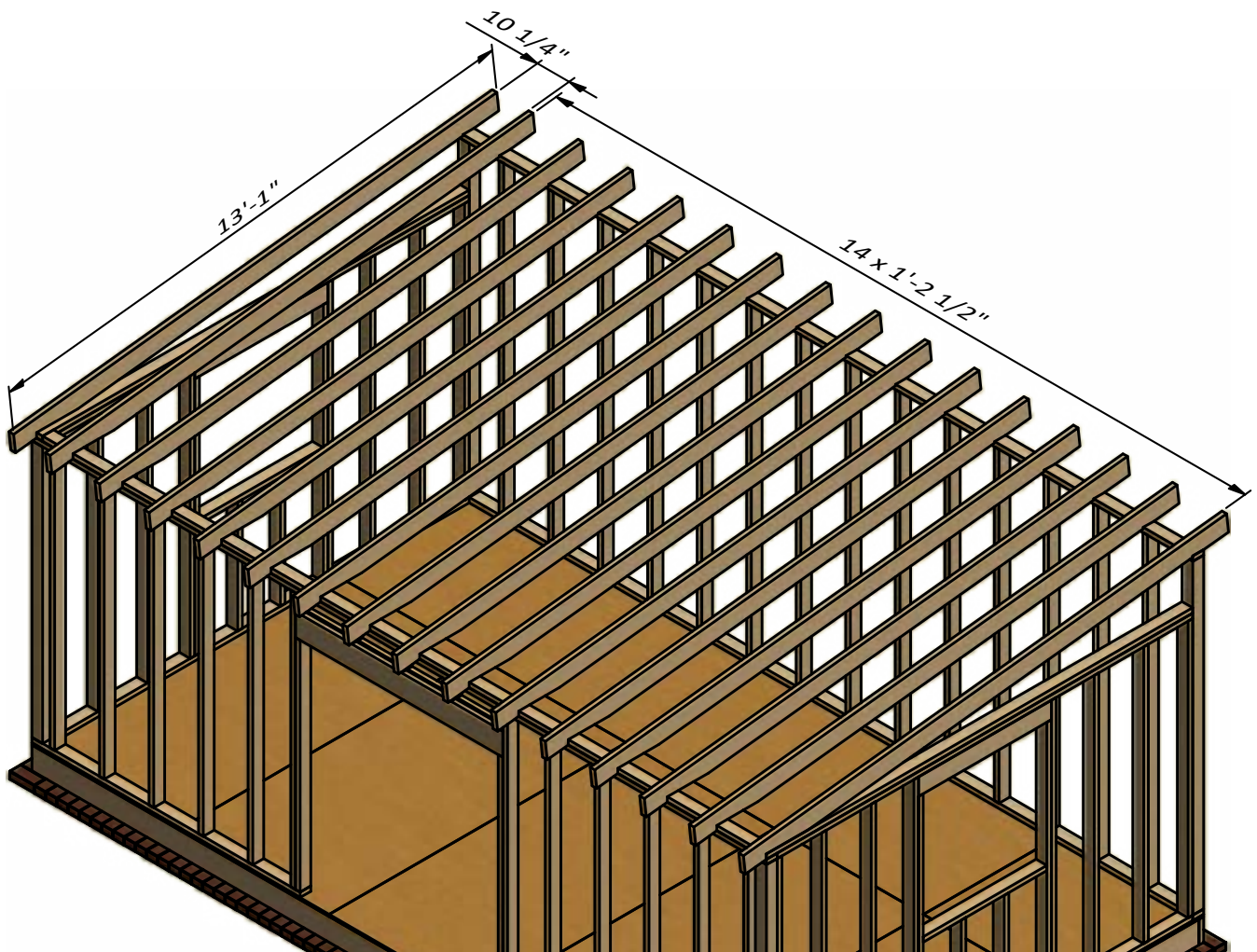
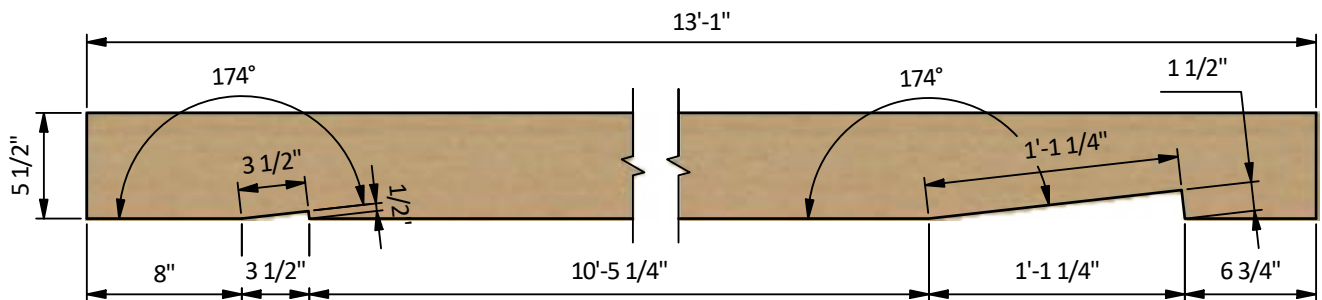


## STEP 6

### Assemble the Roof Frame

**6.1** Using 1 1/2" x 5 1/2" pressure-treated lumber, cut sixteen rafters 13'-1" long according to the dimensions in drawing below. Cut the recesses in each beam for splicing connection with wall frames.

**6.2** Connect the beams with a top frame with the help of 5" wood screws.

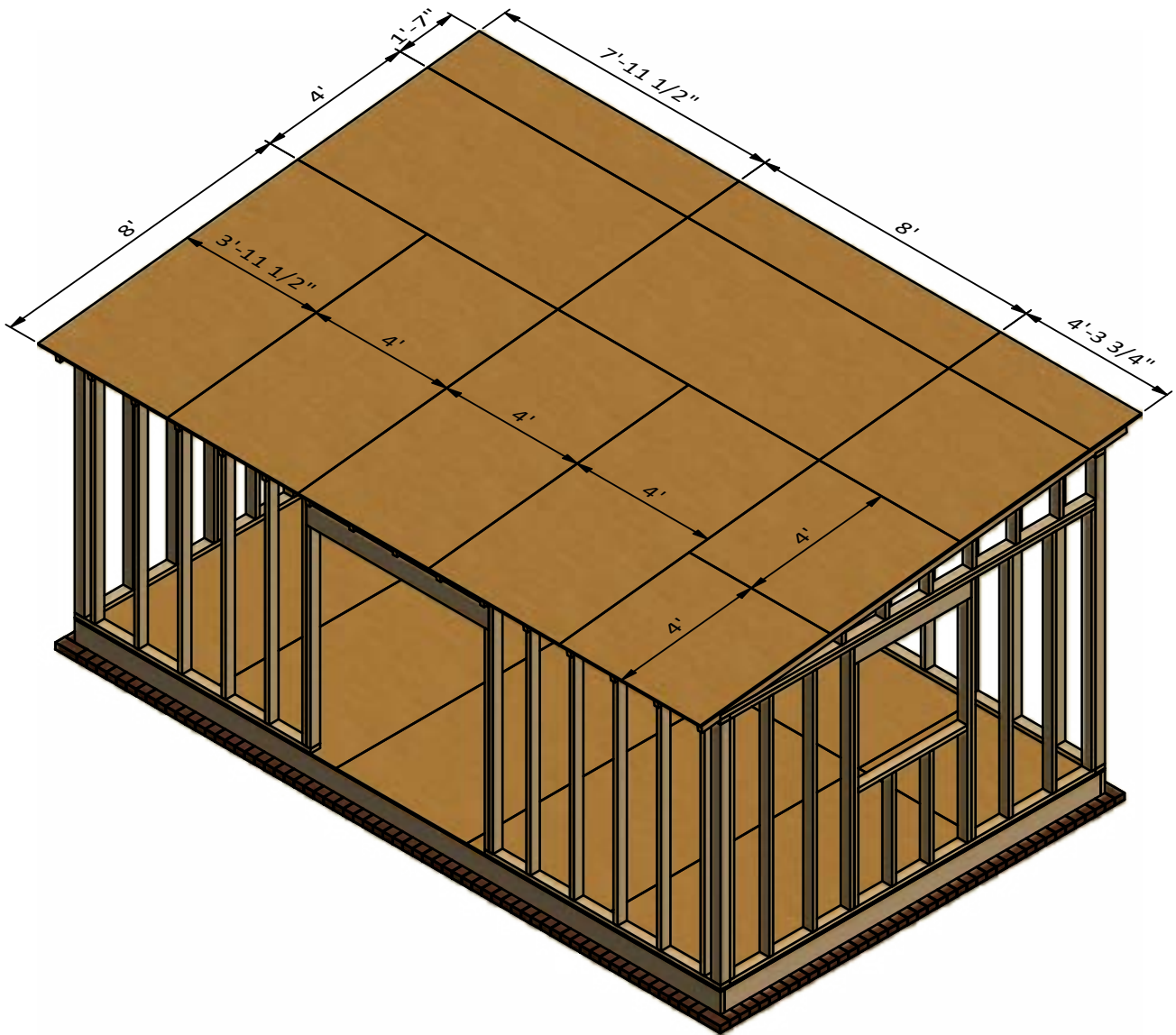


## STEP 7

### Install Plywood for the Roof

**7.1** Cut sheets of 5/8" plywood for the roof sheathing using the drawing below as a guide. You will need four 4' x 8' sheets, three 4' x 4'-3 3/4" sheets, one 4' x 7'-11 1/2" sheet, one 1'-7" x 7'-11 1/2" sheet, one 1'-7" x 8' sheet, one 1'-7" x 4'-3 3/4" sheet and one 3'-11 1/2" x 8' sheet.

**7.2** Secure the plywood with 2" wood screws.



## STEP 8

### Assemble and Install Shed Doors

**8.1** Build the door frames 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'-4 3/4" that will be the vertical girts, two boards cut to 2'-7 3/4" that will be the horizontal girts, two boards cut to 3'-3 1/4" that will be cross braces and one board cut to 2'-3/4" that will be middle girt.

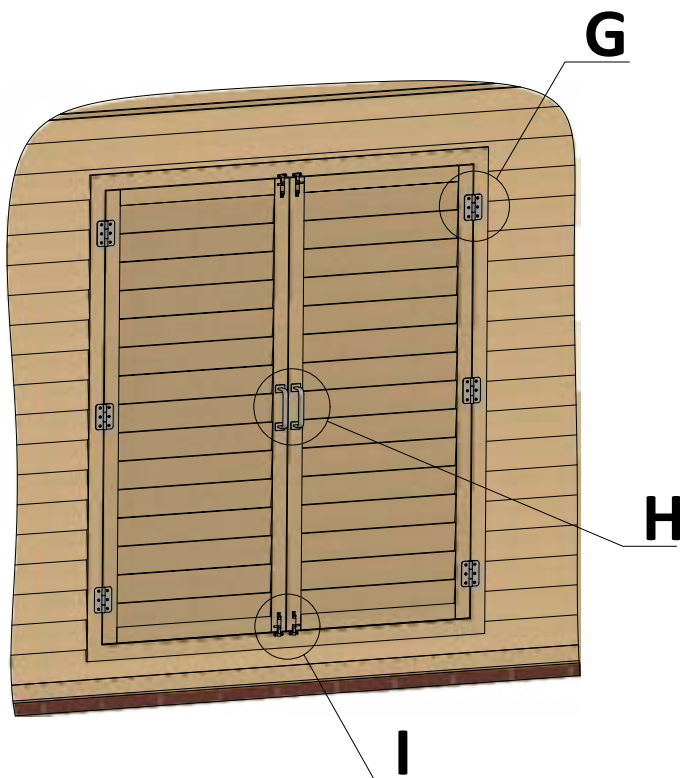
**8.2** Prepare the 5/8" plywood sheet with dimensions 5'-11 3/4" x 2'-7 3/4" for the doors according to the drawing.

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

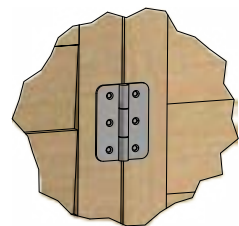
**8.4** Using 1/4" x 3/4" pressure-treated lumber, cut and install a starter course 2'-2 3/4" long.

**8.5** 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.

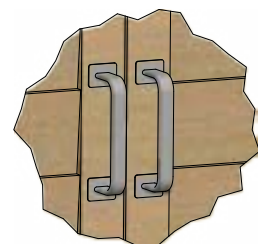
**8.6** Install three 4" door hinges using 6x1" wood screws. Finish the doors installation by attaching 4" surface bolts and 6" door pulls (see nodes E, F, G).



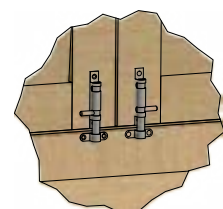
**G** (1 : 10)



**H** (1 : 10)



**I** (1 : 10)



## STEP 9

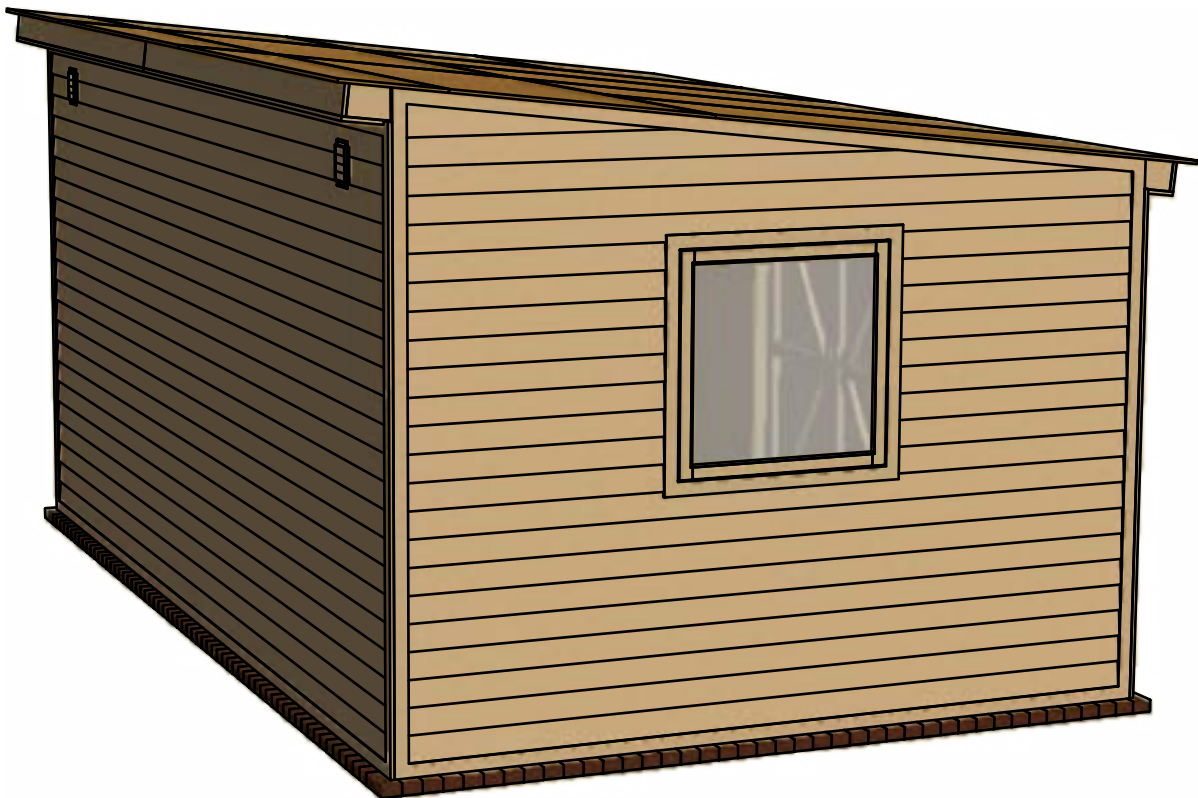
### Window Installation for the Left and Right Walls

It is necessary to prepare 2 windows.

**9.1** Using 1 1/2" x 2 1/2" pressure-treated lumber, assemble the outer frame for the window as shown in the drawing below. You will need four boards cut to 3'-3 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.

**9.2** Prepare and install 2'-11 1/4" x 2'-11 1/4" glass into inner frame groove and fasten it by window beading from four sides. Use 1/2" galvanized nails.

**9.3** Insert window into side wall openings and connect them with 8x2" wood screws to the wall beams.





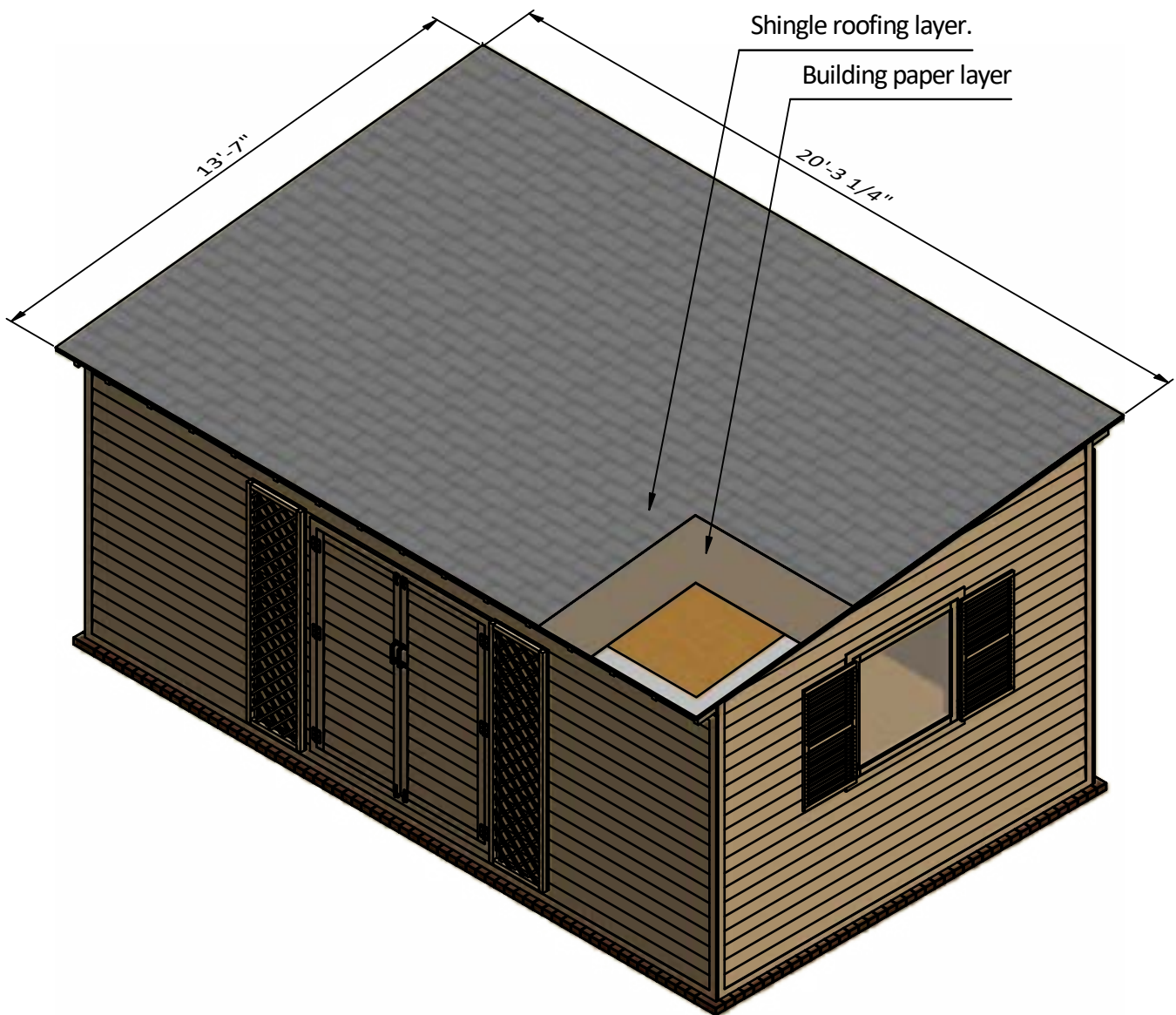
## STEP 10

### Roof Sheathing Installation

**10.1** You will need 277 Sq Ft of building paper and asphalt shingle roofing.

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

**10.3** Install asphalt shingle roofing using an industrial stapler.

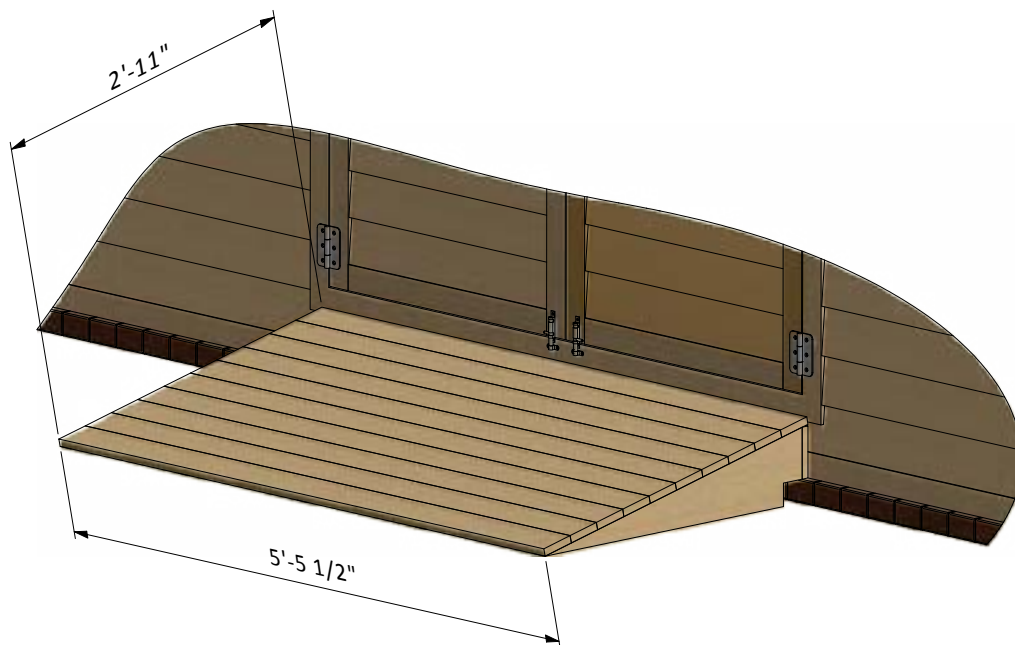


## STEP 11

### Assemble and Install Door Ramp

**11.1** 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 five boards cut to  $2'-9\ 1/2"$  that will be support girts, four 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  $5'-5\ 1/2"$  that will be rim joist and ten boards cut to  $5'-5\ 1/2"$  that will be top sheathing.

**11.2** Assemble siding shields with 2" and 3" galvanized nails.



## STEP 12

# 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.





# 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	12	32
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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