

# 16'X20' HIP ROOF SHED PLAN

**FREE STREAMLINED VERSION**



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# DIFFERENCES BETWEEN OUR FREE & PREMIUM PLANS



**VS.**



## **PREMIUM 16'x20' PLAN**

- 30+ detailed 3D schematics
- Views from all angles
- Measurements for every part
- Full layouts for every step
- Step-by-step assembly instructions
- Full material / shopping list
- Full cutting list
- PRO-TIPS for every section
- Mobile / Tablet ready
- Designed for newbies and pro's

## **FREE 16'x20' PLAN**

- Basic schematics
- Basic angles
- Basic measurements
- Basic layouts
- Simplified instructions

## **LEARN MORE ABOUT PREMIUM 16'X20' SHED PLAN BENEFITS**

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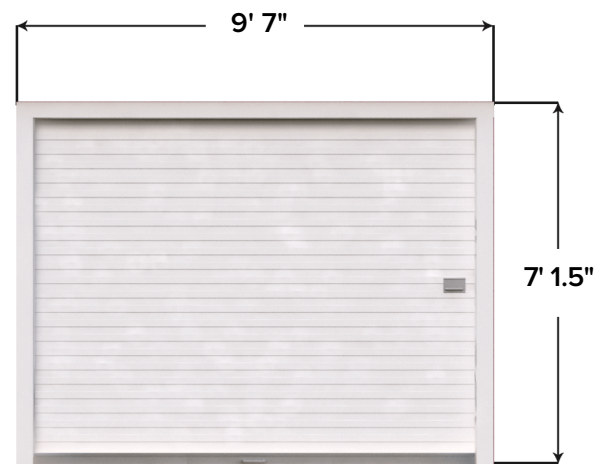
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# 1 BASIC OVERVIEW AND DIMENSIONS

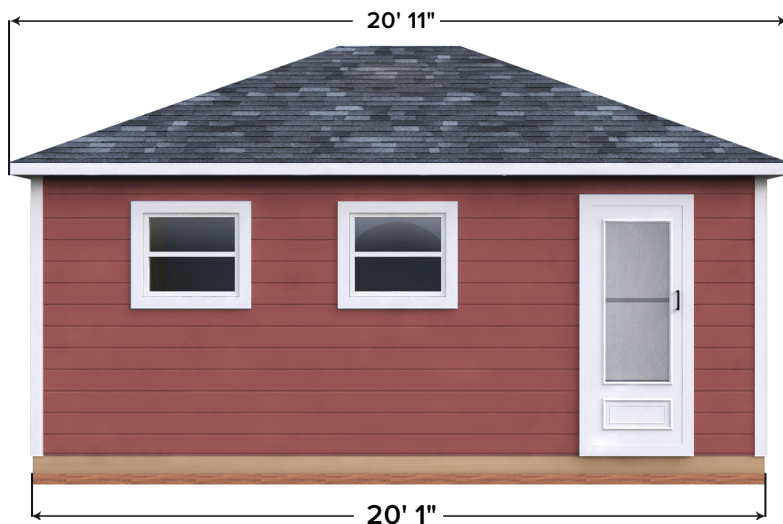
This 16'x20' shed is massive and exquisite, making it the ideal shed for leisure activities as well as storing your gardening supplies. The overall height of this shed is 13feet and 4.75 inches with the width being 16 feet and 1 inch. There is a huge door in the front with a width of 9 feet and height of 7 feet. The side width of the shed is 20 feet and 1 inch with the roof being 20 feet and 11 inches in width. There is a mid-size window on the side. Note that the windows and doors need to be either separately built or purchased and therefore will not be included in this shed building plan.



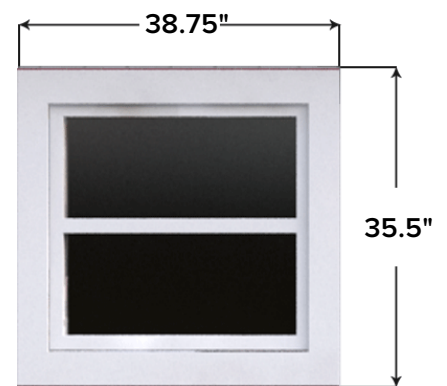
FRONT VIEW



DOOR



SIDE VIEW



WINDOW

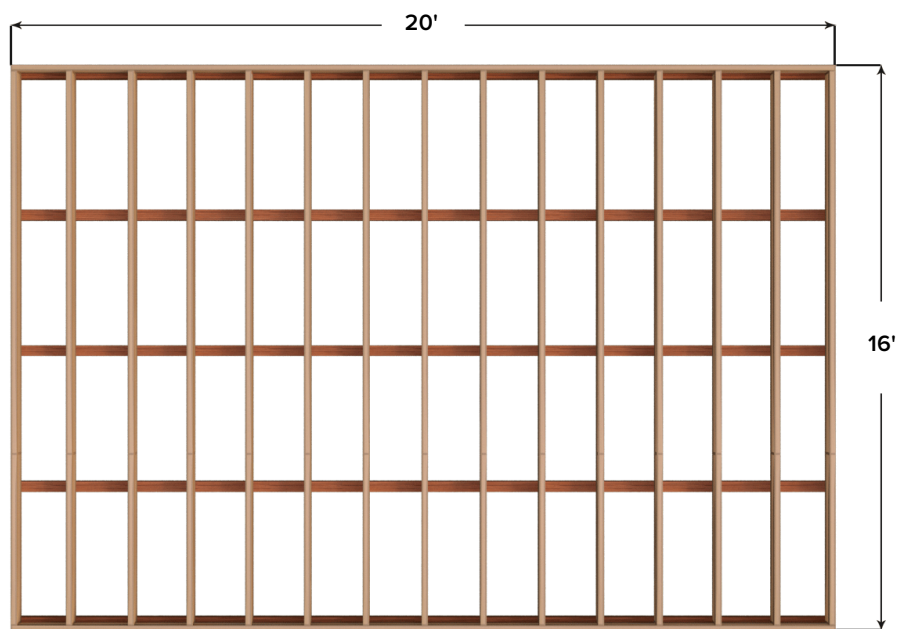
## NOTE

Use old doors and windows to save money. Follow manufacturer's instructions to accurately install the doors and windows.

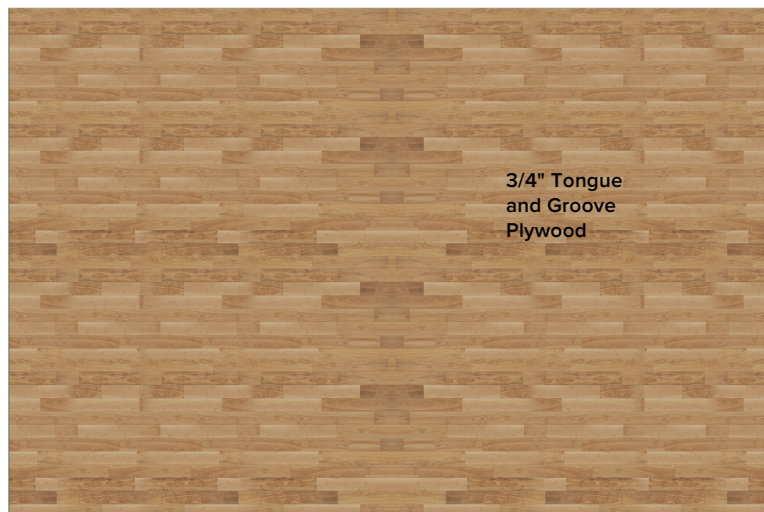
## 2 FOUNDATION AND FLOOR

The first phase is to build the foundation and the floor. Make sure the foundation has all the joists and skids fit perfectly with each other. Any complication in the foundation will compromise the entire structure of the shed since the foundation will be bearing the entire weight. Use pressure heated timber skids and build a foundation base of 20 feet width and 16 feet length as shown in the figure.

Once the foundation is developed, use  $\frac{3}{4}$  inches thick tongue and groove plywood for the floor. Use L joints and skids to assemble the parts together. Use galvanized nails to fit skids and joists together.



FOUNDATION BASE



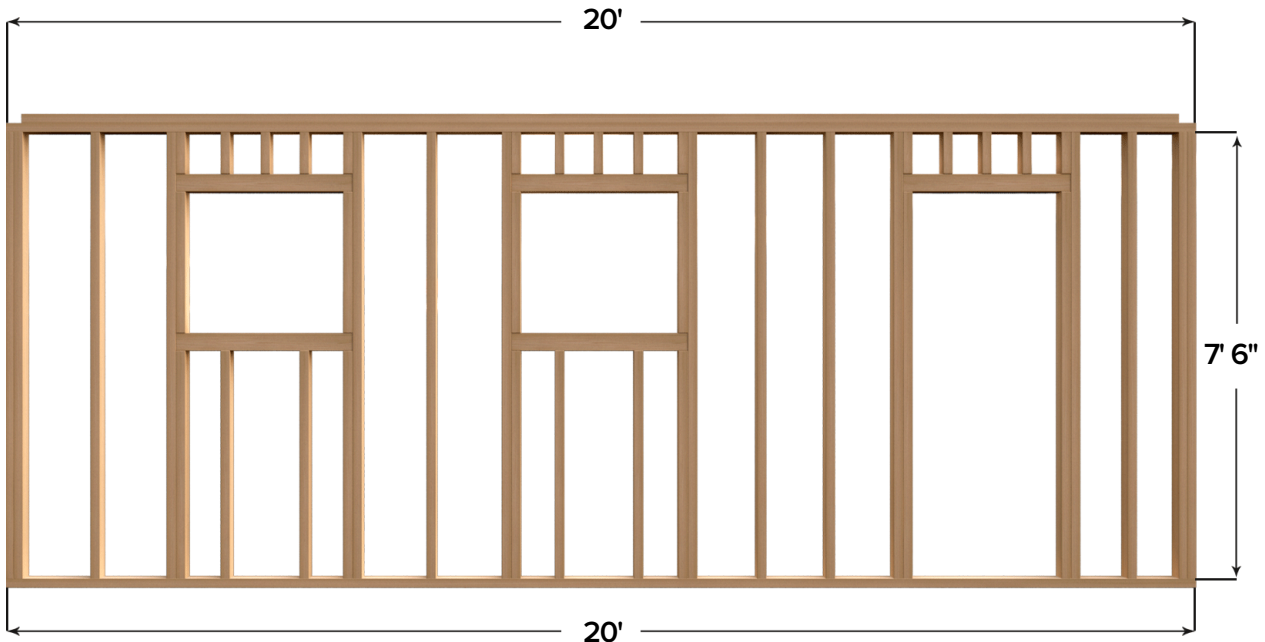
FLOOR

### NOTE

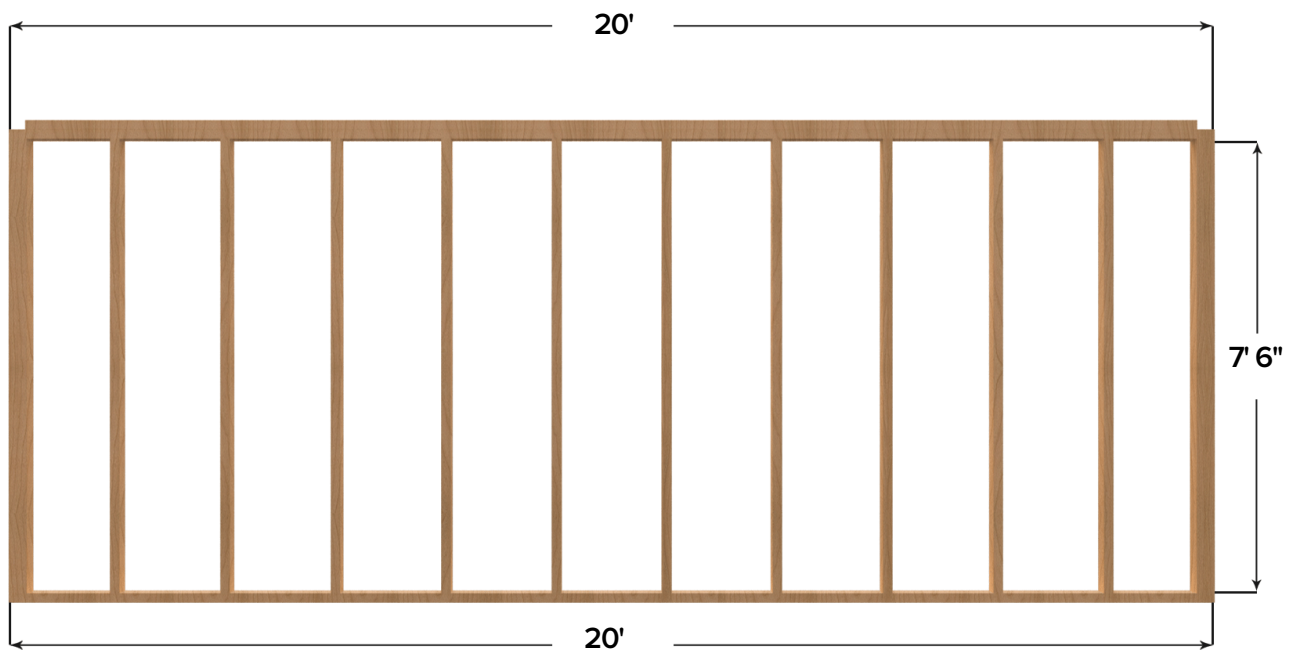
Buy pre-designed joists and skids if you are new to building sheds. This way, you will reduce the chances of any complications in sizing and spacing.

### 3 WALL STRUCTURES

Once the floor and the foundation is built, you will start building the right and the left wall. Use pressure heated timber to build the walls with a width of 20 feet and height of 7 feet and 6 inches as shown in the figure. Leave out space for the window and the door in the right wall. Use L joints, skids and joists to assemble the parts together. Once the structures are built, install T1-11 on the walls with galvanized nails and exterior screws.



**RIGHT WALL**



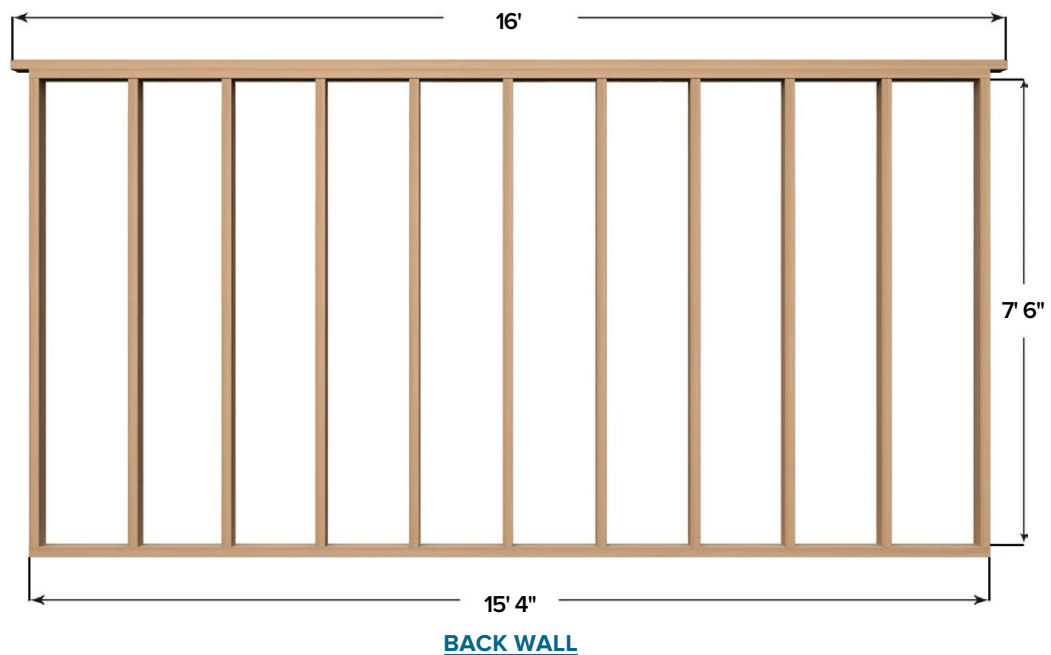
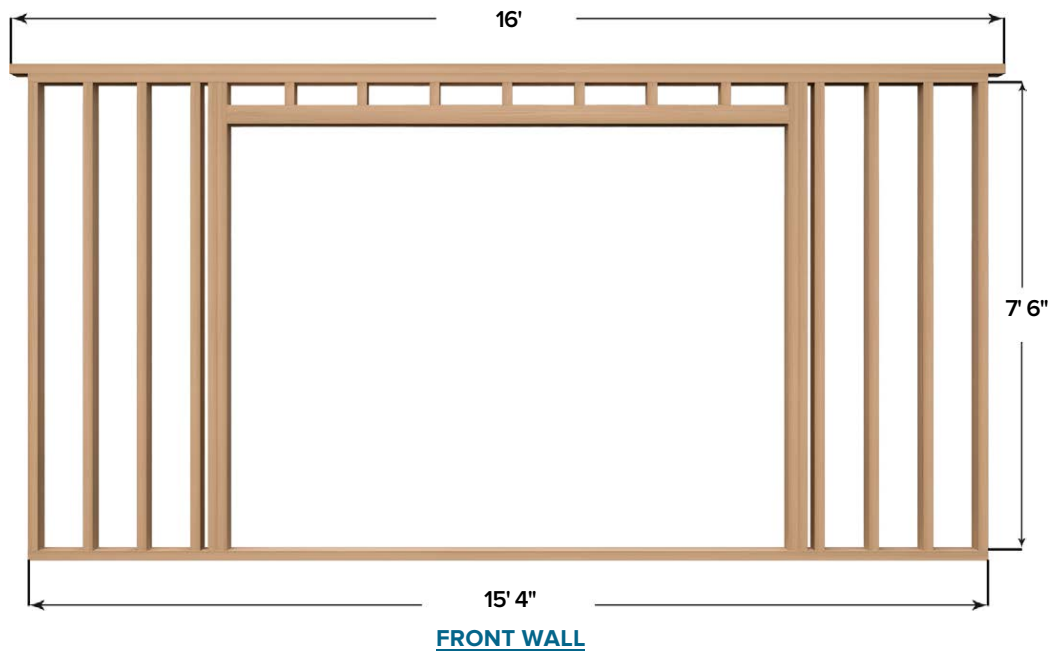
**LEFT WALL**

#### NOTE

Add self-adhering flashing on the bottom edges of the windows before installing T1-11.

## 4 WALL STRUCTURES

After the right and the left wall, you will start building the front and the back wall. The width of both the walls will be 15 feet and 4 inches at the bottom and 16 feet on the top. The difference in the width is to accommodate the roof. The height should be 7 feet and 6 inches. Use pressure heated timber for building the structures. Use L joints, skids and joists to assemble the parts together. Once the structures are built, install T1-11 with galvanized nails and exterior screws to finish them.

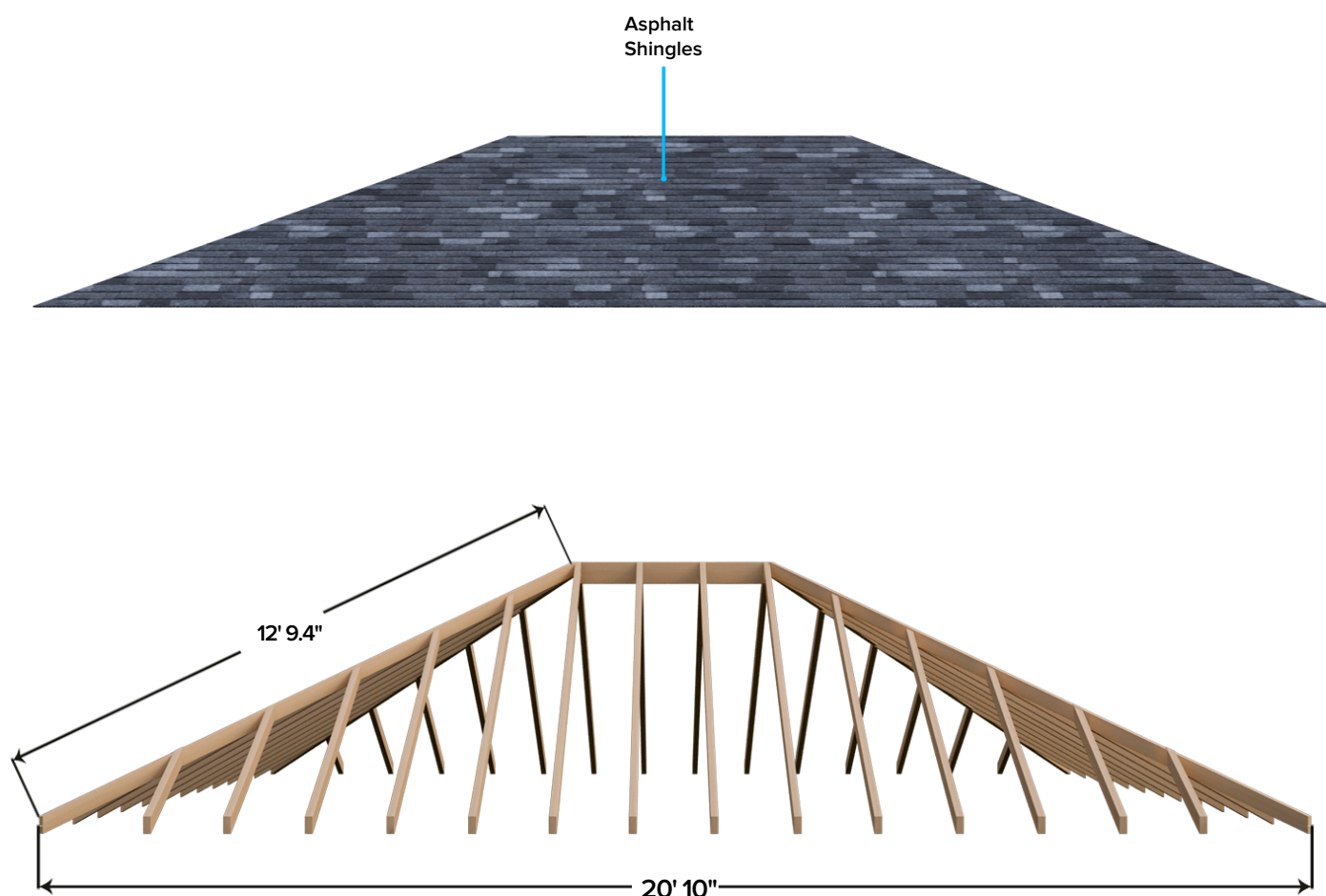


### NOTE

Make sure the edges of T1-11 do not overlap each other as this will compromise the functioning and appearance of the T1-11.

## 5 ROOF SECTION

Once all the walls are built, you will start working on the roof. Note that roofing is a complex and strenuous task. Therefore, it is recommended to have additional help while working on the roof. Once rafters built, you will spread them over a width of 20 feet 10 inches as shown in the figure. Use L joints and skids to firmly attach the rafters. Use T1-11 on the two outer most rafters of the roof with galvanized nails. Start installing asphalt shingles once the roof is built. Use old asphalt shingles to save money.



### NOTE

Follow the manufacturer's instructions carefully while installing the shingles. Get additional help for the roofing task to safely get the job done.



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