



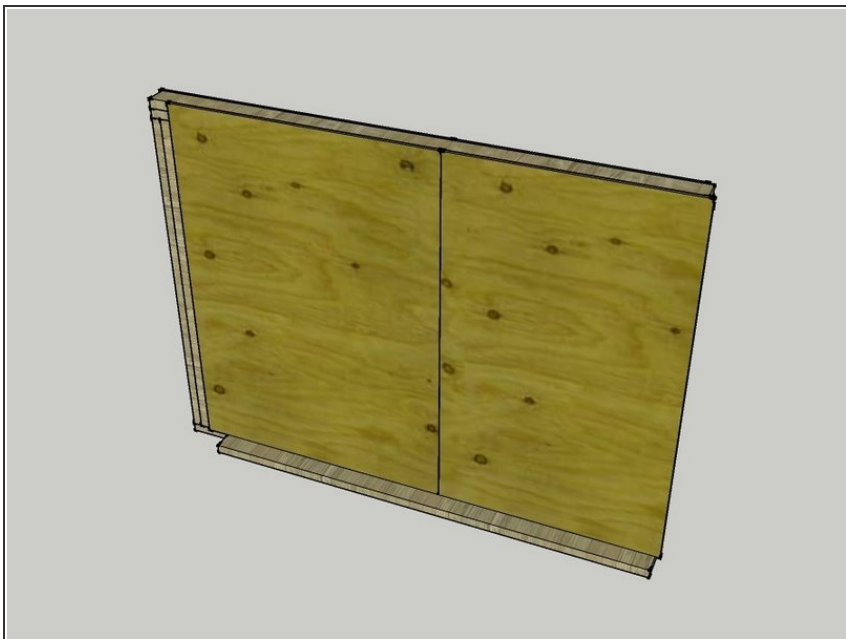
# Building the North-West Upper Wall Sub-Module

This wall makes up the taller, north side of the MicroHouse 2 loft. It also provides bearing for the rafter modules.

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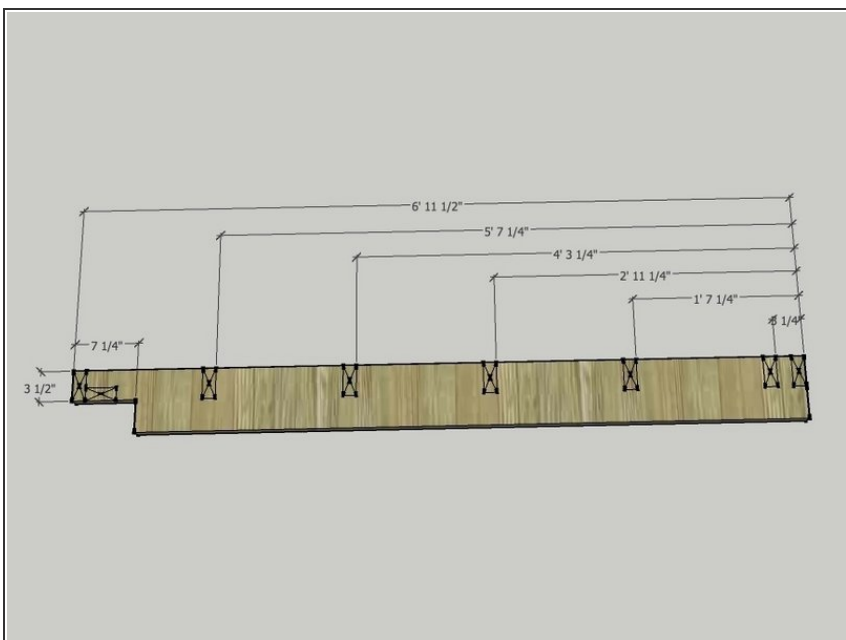


## Step 1 — North-West Upper Wall Sub-Module



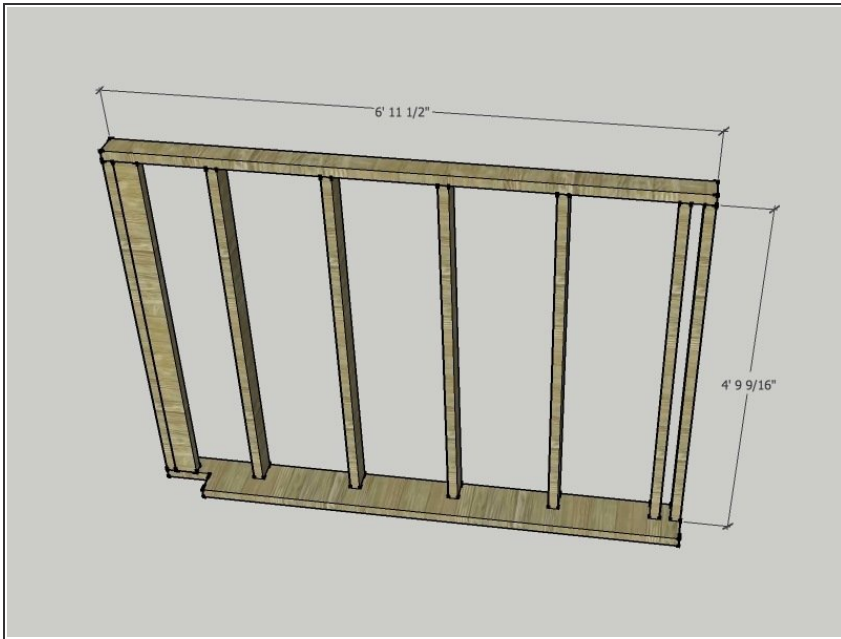
- This image shows the completed northwest sub-module.

## Step 2



- Begin with an 8' long 2x8. Cut it to 6' 11 1/2" as shown in the image.
- Make the notch shown in the image. The image shows the notch at 7 1/4", but I would make it 7 5/8". You want to leave 3 1/2" of board when you are finished making the notch.

### Step 3



- Make 8 studs at 4' - 9 9/16" long, to be used as shown in the image. These pieces are all identical to each other.
- Cut these pieces from 6' 2x4s.
- Make a top plate that is 6' - 11 1/2" long. Cut this from an 8' 2x4.

### Step 4



- ADD STEP HERE ABOUT LAYING OUT THE TOP PLATE.

## Step 5



- ADD STEP SHOWING ATTACHING OF STUDS.

## Step 6



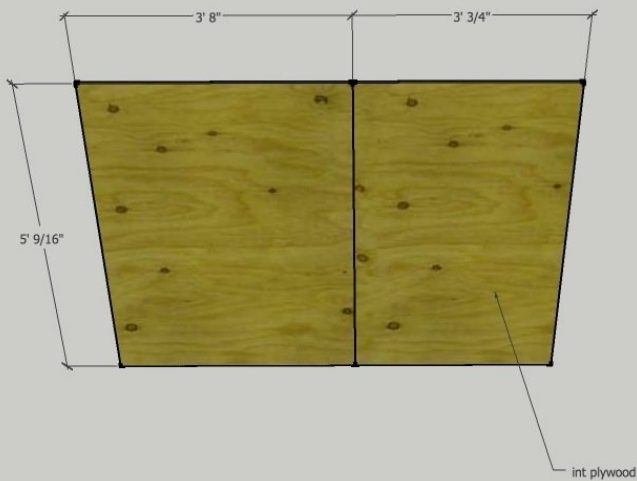
- Cut pieces of plywood for the exterior as shown in the image.
- Cut the large piece first, as it is a full 4' wide. Then use the table saw to rip the leftover piece to 2' - 11 1/4"
- You will need to make another narrower piece that is also 2' - 11 1/4" wide. To determine the length of this piece, subtract the length of the piece you just made from the total length of the long plywood piece.
- ADD NOTE: When we created this module, the lengths worked out to be \_\_\_\_\_ for our leftover from the long piece, and \_\_\_\_\_ for the other piece.

## Step 7



- ADD STEP FOR MARKING EXTERIOR PLYWOOD.

## Step 8



- We will also make plywood pieces for the inside of the wall module. These pieces will be made from 3/8" plywood.
- Both of these pieces will need to be ripped on the table saw.
  - Rip one to 3' - 8".
  - Rip the other to 3' - 3/4".

## Step 9



- ADD STEP SHOWING ASSEMBLY OF PLYWOOD TO FRAME.