

SIMON SAYS DIY GREENHOUSE

List of Materials

- 34 - 2 x 4 x 8
- 4 - 2 x 4 x 8 Pressure Treated
- 1 - 2 x 4 x 12
- 1 - 2 x 4 x 12 Pressure Treated
- 9 - 2 x 6 x 8
- 1 - 2 x 6 x 14
- 6 - 1 x 4 x 8 furring strips
- 2 - 12 ft Pressure Treated Deck Boards
- 7 - 2 x 6 Joist Hangers
- 12 - 2 ft x 8 ft Clear roofing
- 6 - 6 in carriage bolts
- 1 - 5 lb box of 2 1/2 in Exterior Screws or nails.
- 1 - Box of Roofing Screws
- 2 - Gallons of Flex Seal Liquid
- 3 - Tubes of Flex Glue
- 1 - Set of Windows and Door

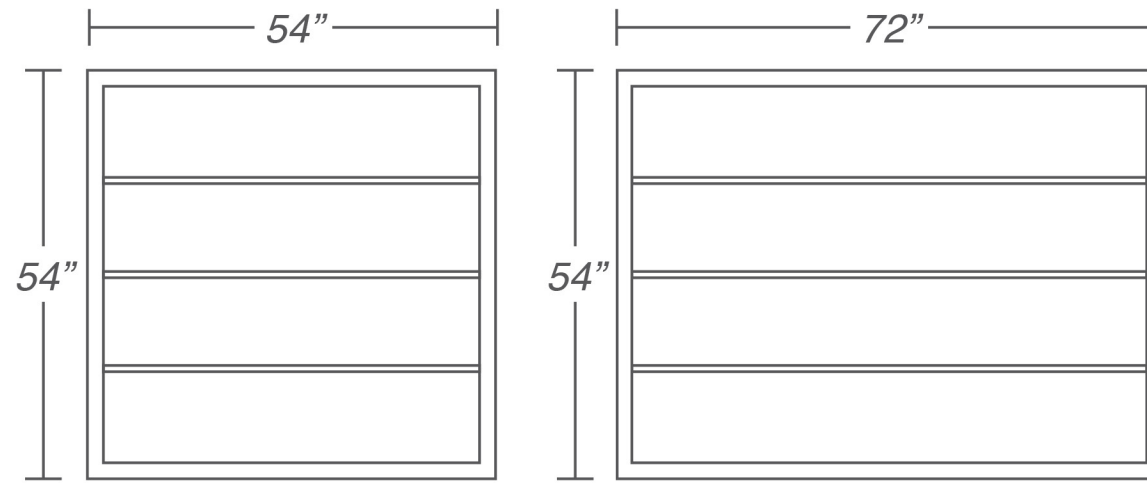
Watch the build video for more info at https://youtu.be/VJx3Mh_nlWo



STEP 1:

Prepare a level area to build the greenhouse on. I used bricks and concrete to make a patio but you can also use a concrete slab, gravel, sand, or dirt. One thing to keep in mind if you use gravel, sand, or dirt, you will need to weed or mow the area occasionally.

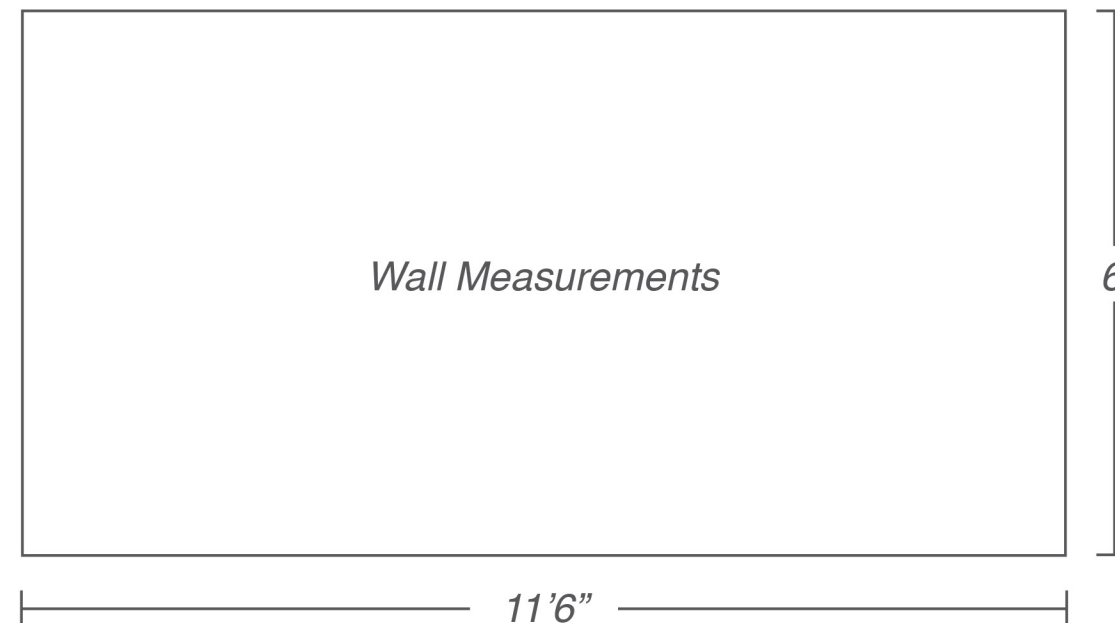
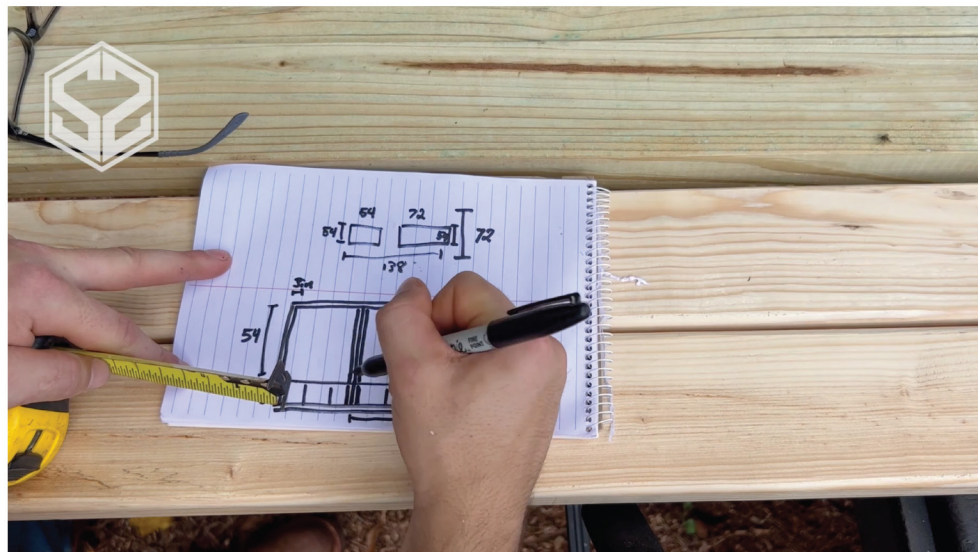




STEP 2:

Pick the windows that will be used and start planning out the wall.

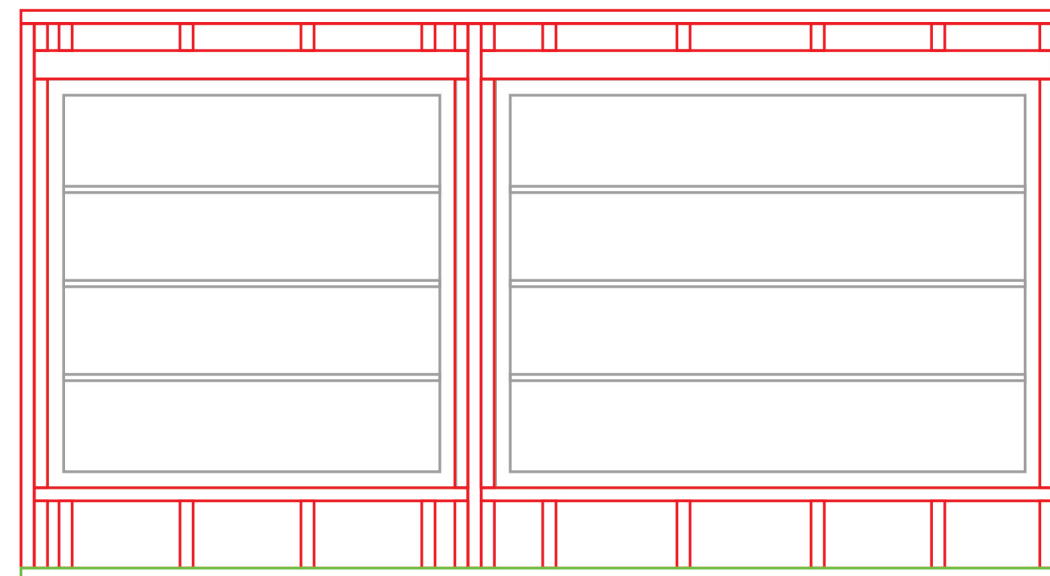
(Any area not filled in with windows will be covered with clear siding so is there is empty space that's totally fine.)

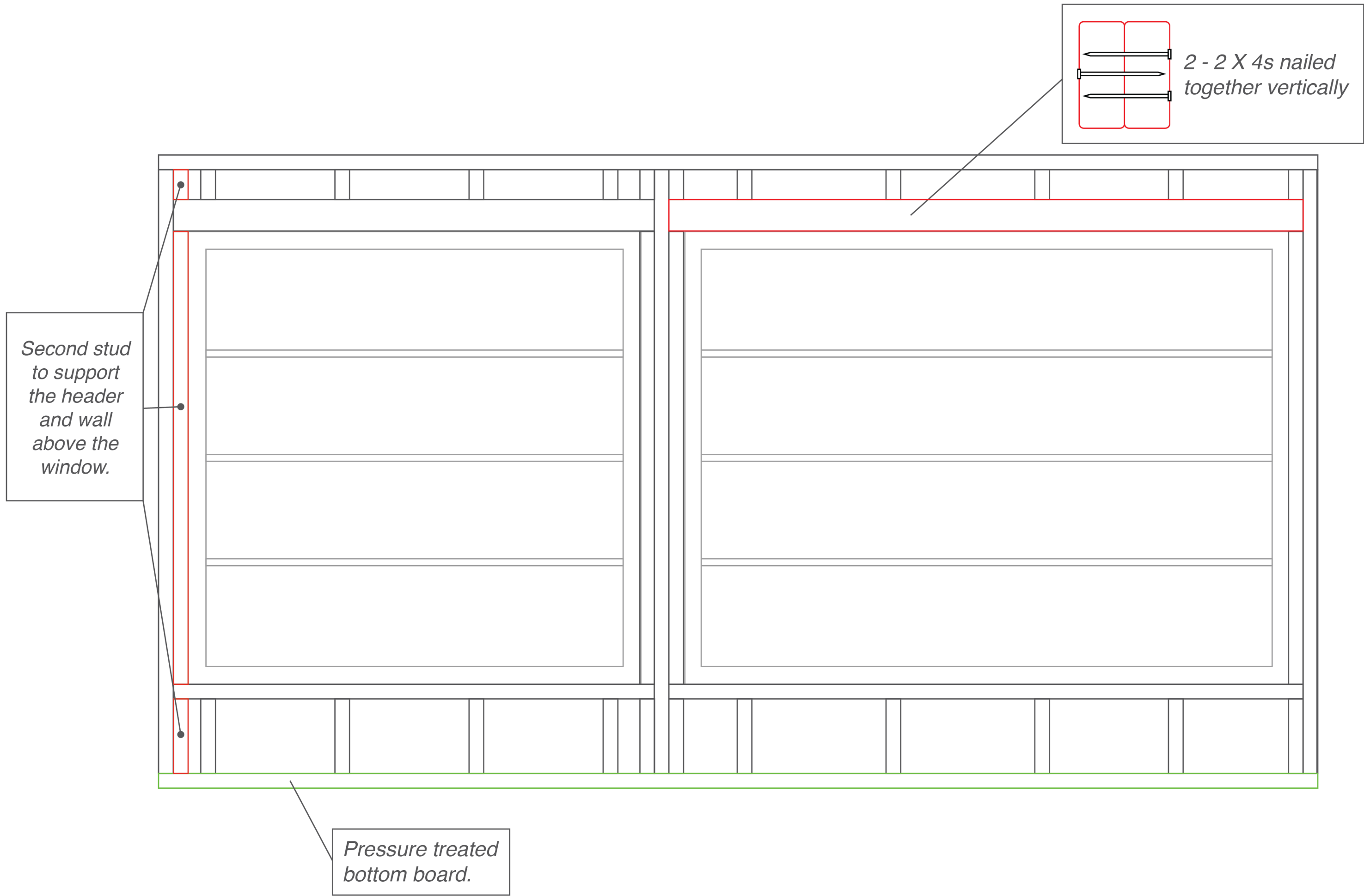


STEP 3:

Using the 2 x 4s build the wall with a stud every 16in

(I used pressure treated lumber for the bottom plate, double 2x4 header above each window and double studs on the sides of each window.)





STEP 4:

Attach 2 x 6 x12.5 on wall to support the roof. I used 6 bolts to go through the wall and fasten it in place.

On the inside of the shed I reinforced the bolts with 2x4 blocks fastened to the studs.

(For better contact on larger heavier structures cut away the siding and sheeting and screw directly to the studs on the wall.)



STEP 5:

Attach Joist Hangers every feet a on top plate then cut and place the rafters the bottom side will be notched to rest flat on top of the outside wall.

(It helps to get the first rafter cut just right and use it as the template to trace and cut all of the rest for easy consistency.)

Attached 3 rows of 2 x 4 blocks to help support the clear plastic roofing and keep the rafters from twisting over time.

(The rows were 2.5 feet apart starting 6 inches from the bottom.)



STEP 6:

Plan and build the front and back walls. The tall side of the wall goes towards the building or wall it will be attached to.

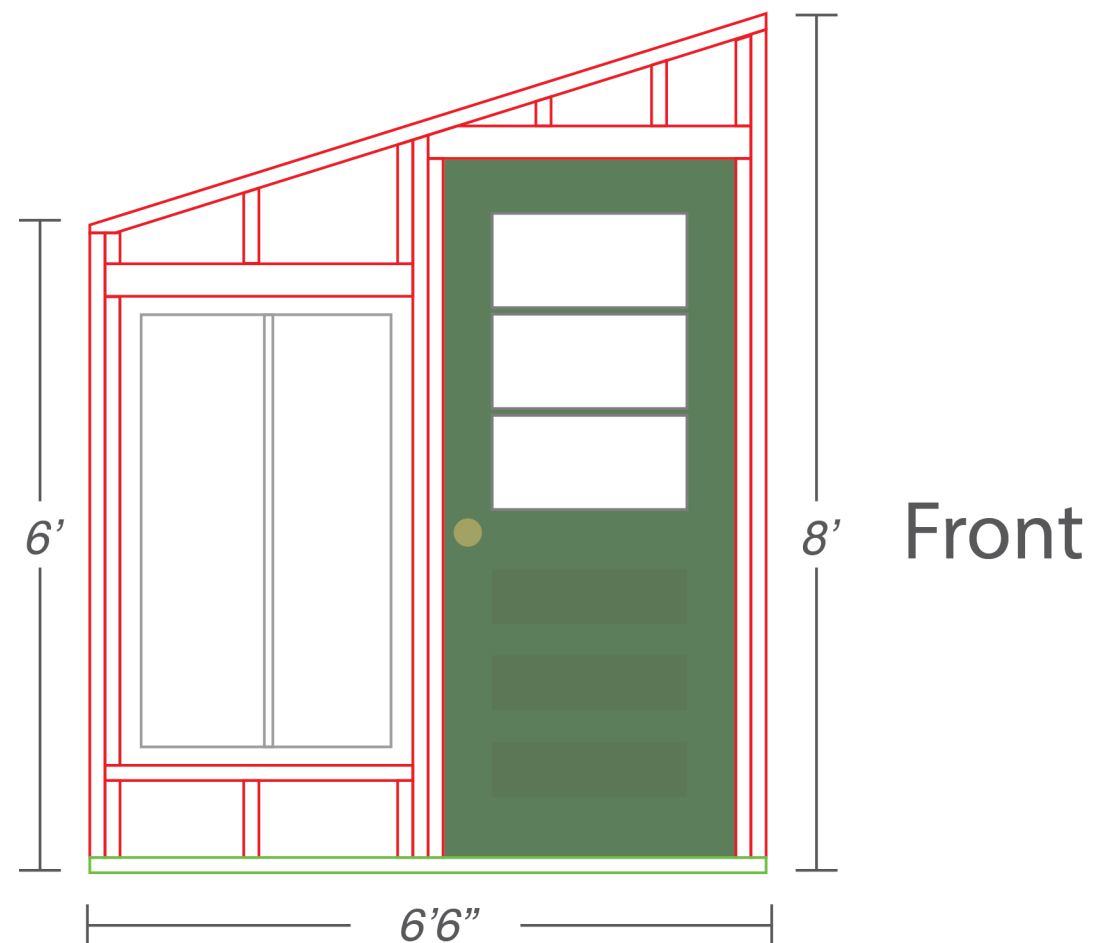
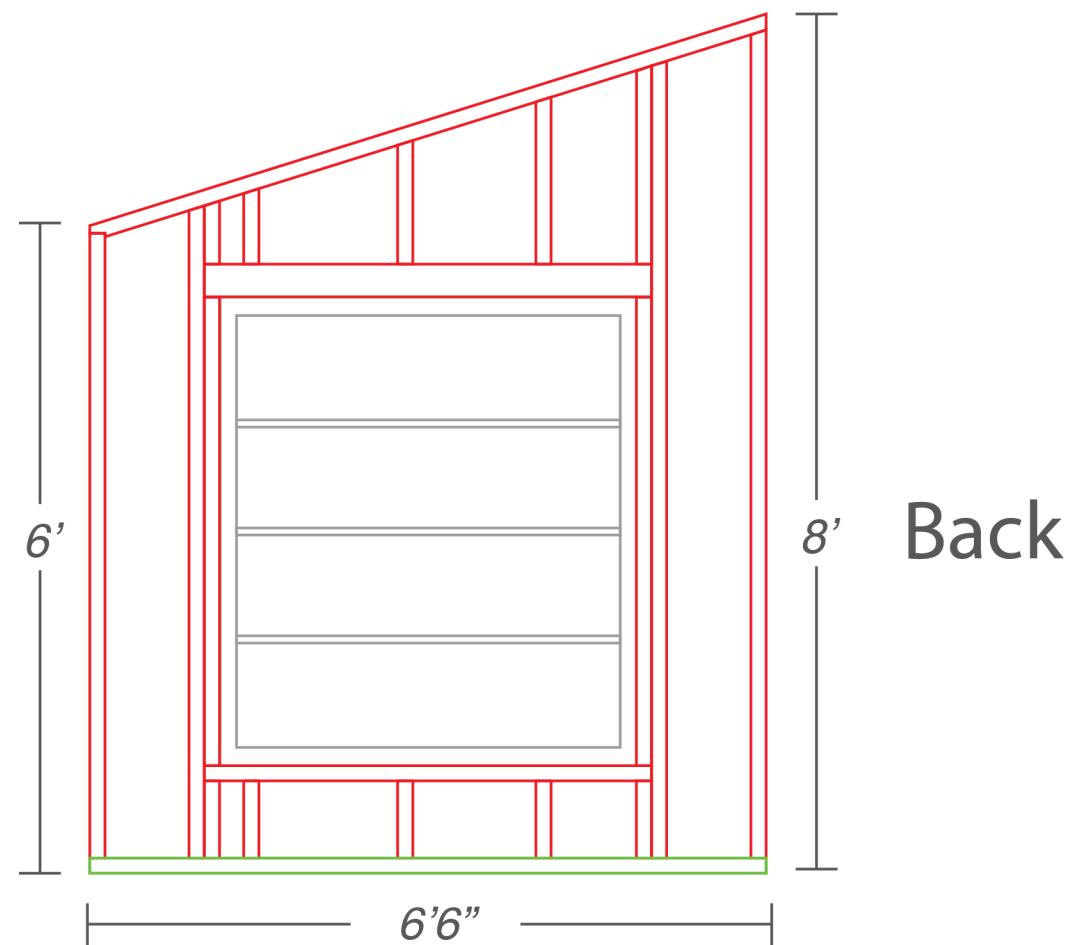
Back Wall:

- 1-2 windows depending on the size

Front Wall:

- Door
- Narrow window

(This step can be done before or after the rafters go up.)



STEP 7:

Add window sills and frames to hold the windows in place.



STEP 8:

Using Flex Seal White Liquid use a brush or roller to paint the entire frame to help preserve the wood for a longer period of time.

The Flex Seal Liquid creates a durable rubberized coating that waterproofs the wood.

(Allow at least 24hours for the Flex Seal to dry before moving on to the next step.)



STEP 9:

Screw the clear 2 ft x 8 ft corrugated roofing down to the 2 x 4 blocks. The sheet should go parallel with the rafters that are spaced every 2 ft so each sheet should end above the rafter.

(The 8 ft roofing sheets should work perfectly without cutting.)



STEP 10:

Install the windows

(I used a few screws into the frame to hold the windows in place but are still easily removed if needed.)



STEP 11:

Cut clear corrugated roofing to fit the empty space that the door and windows don't cover



