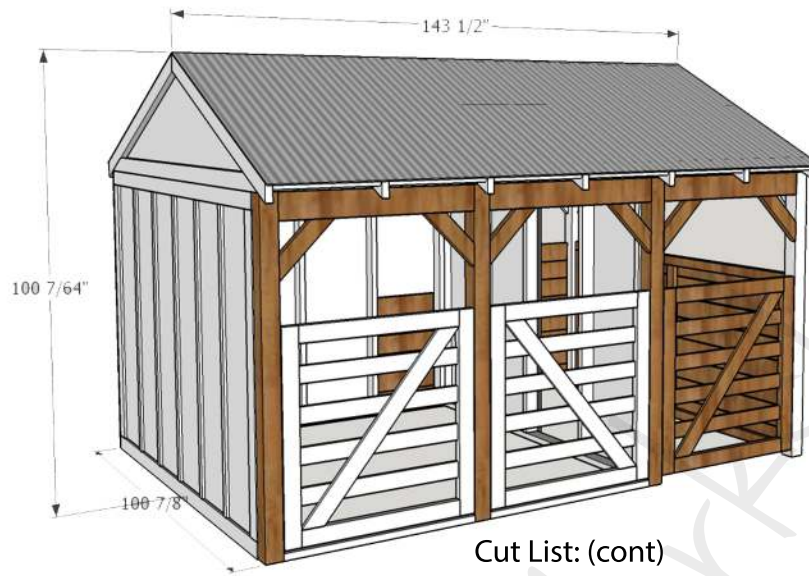


DIY GOAT HOUSE



Cut List: (cont)

Materials:

- 5 – 4x4x8 (3 cedar and 2 pine if you are building just as I did, you will only need 4 cedar if you plan to make it three stalls)
- 6 – 2x6x8 (cedar)
- 46 – 2x4x8 (43 pine, 3 cedar)
- 3 – 2x4x10
- 6 – 1/2" x 4'x8' exterior plywood
- 16 – 1x4x8 furring strips – you can use treated boards for this
- 15 – 1x2x8 furring strips
- 12 – 1x6x8 cedar fence pickets
- 4 – 12ft steel roof panels
- 2 – 10ft steel roof ridge
- 1 pkg. 1 1/2" roofing screws
- 1 pkg. 2 1/2" roofing screws
- 1 box of 3 1/8" screws
- 1 box of 1 1/2" screws
- gate latches
- 2x4 wire for gates

Cut List:

- 4 – 2x4 @ 96" (side walls – top and bottom of frame)
- 15 – 2x4 @ 69" (wall supports on back and side walls)
- 2 – 2x4 @ 89" (back wall – top and bottom of frame)
- 5 – 4x4 @ 72" (front and side wall vertical supports)
- 2 – 2x6 @ 43 1/4" (front wall – left and middle top boards)
- 1 – 2x6 @ 42" (front wall – right top board)
- 1 – 2x6 @ 41 7/8" (back wall – right top board)

- 10 – 2x4 @ 16 35/64" mitered @ 45 degrees off square ends not parallel (front, side, and back wall angle braces) And lol, this is the measurement that Sketchup gave me, that is way more precise than I would ever be with measurements!" I cut mine around 16 1/2"
- 2 – 24 @ 43 1/4" (front wall bottom braces)
- 1 – 2x6 @ 93 7/8" (side wall top board)
- 5 – 1/2" plywood @ 48" x 71 1/2" (2 have cutouts for back doors as shown)
- 1 – 1/2" plywood @ 24" x 71 1/2"
- 1 – 1/2" plywood cut to fit the rafter opening

Right Wall Trim:

- 1 - 1x4 @ 96 1/2" top
- 2 - 1x4 @ 68 1/2" door frame
- 1 - 1x4 @ 20 1/2" bottom left
- 1 - 1x4 @ 45" bottom right
- 2 - 1x4 @ 65" sides
- 3 - 1x2 @ 65" battens

Back Wall Trim:

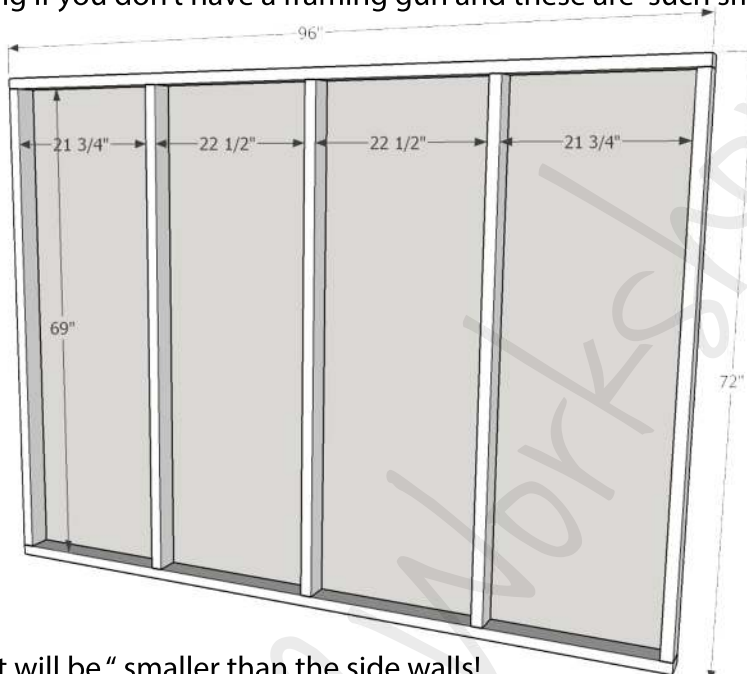
- 1 - 1x4 @ 98 1/4" top
- 4 - 1x3 @ 33 1/2" small door frames (vertical)
- 2 - 1x2 @ 25 3/8" small door frames (top)
- 1 - 1x4 @ 40 1/4" bottom middle
- 2 - 1x4 @ 3 5/8" bottom outside
- 2 - 1x4 @ 65" sides
- 3 - 1x2 @ 65" battens
- 2 - 1x2 @ 32 1/2" battens above doors

Left Wall Trim:

- 2 - 1x4 @ 96 1/2" Top and bottom
- 2 - 1x4 @ 65" sides (vertical)
- 5 - 1x2 @ 65" battens

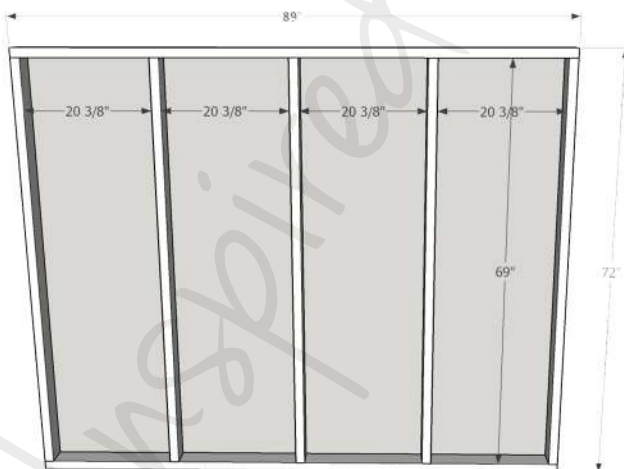
Step 1:

Build the side wall frames. They will be 8 feet long and 6 feet tall. Use 3 1/8" screws from the top and bottom into the vertical studs. You are welcome to use framing nails instead, which would technically be the 'proper' way to frame a wall, but it's a lot of pounding if you don't have a framing gun and these are such small walls, screws will be okay!



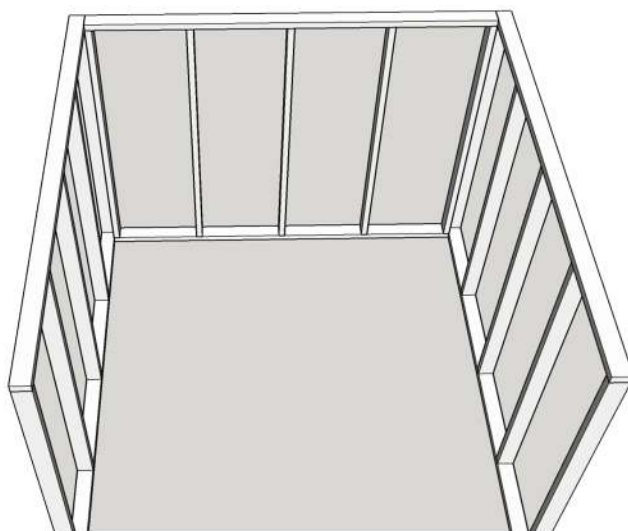
Step 2:

Build the back wall frame. It will be " smaller than the side walls!

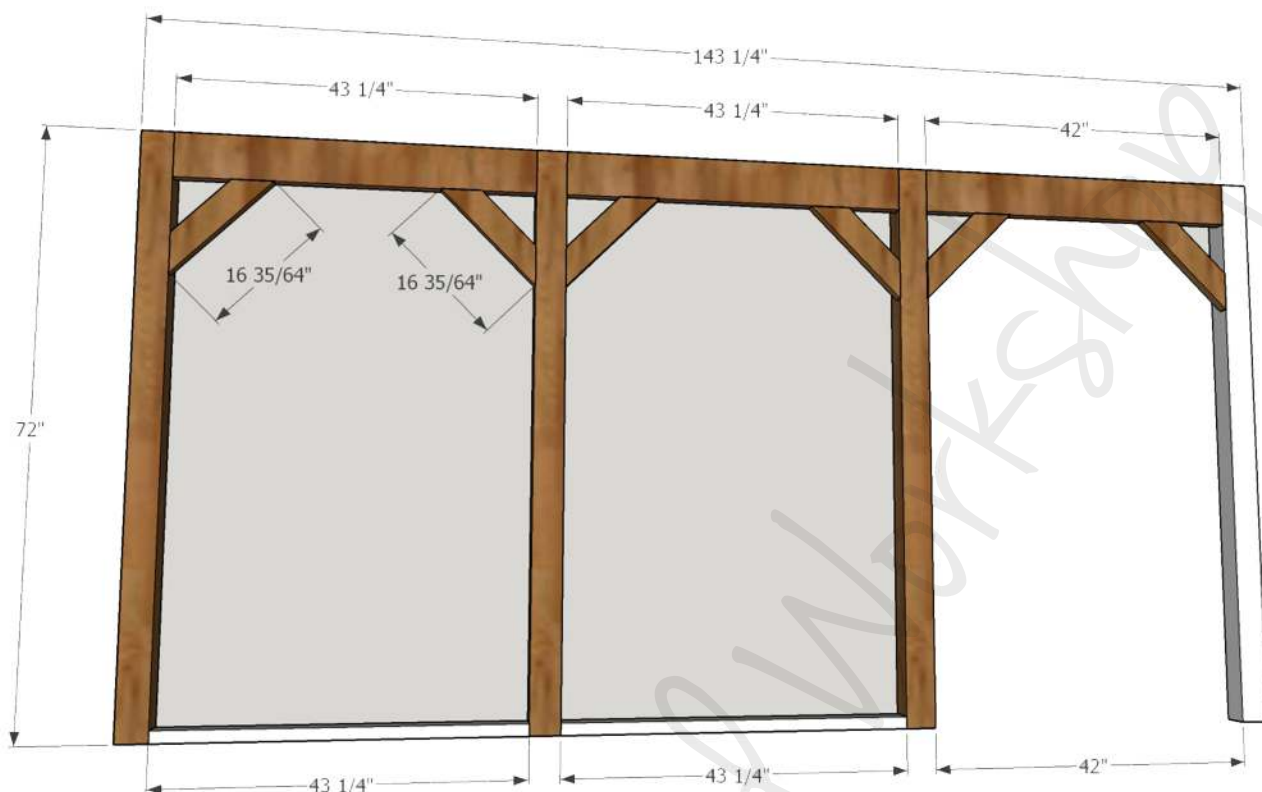


Step 3:

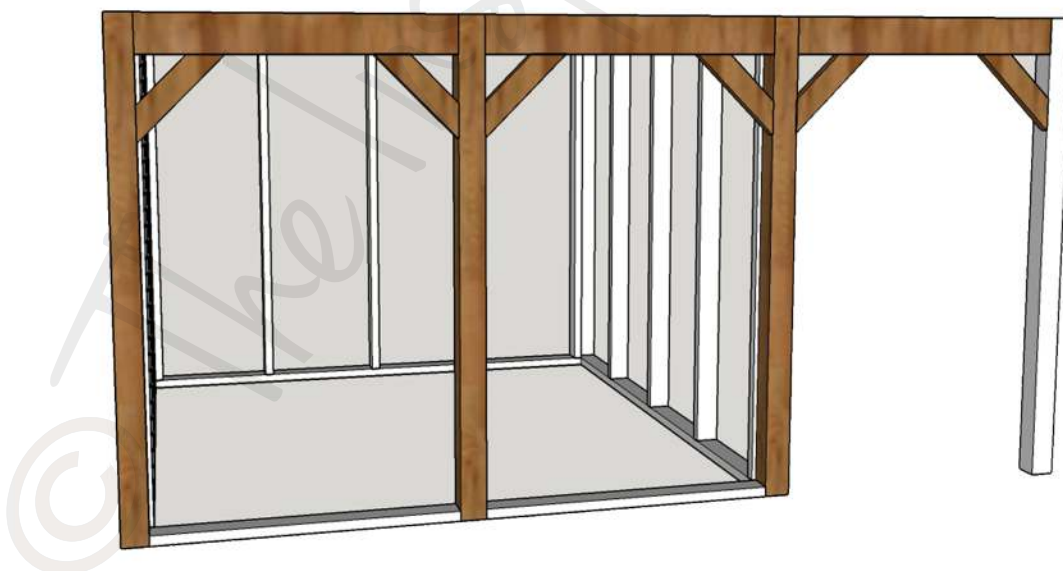
Attach the back walls to the side walls by setting the back wall inside the side walls. Make sure the ground is level, and raised slightly where you are going to build your goat house, without a floor water will stand inside the goat house if not.



Step 4:
Build the front of the goat barn. Use pocket holes or 5" L brackets to attach 2x6s to 4x4s. Screw screws straight through the angled 2x4 boards into the 4x4s. The bottom 2x4s are attached using pocket holes drilled at 1 1/2" depth and 2 1/2" screws on the bottom of the 2x4s.

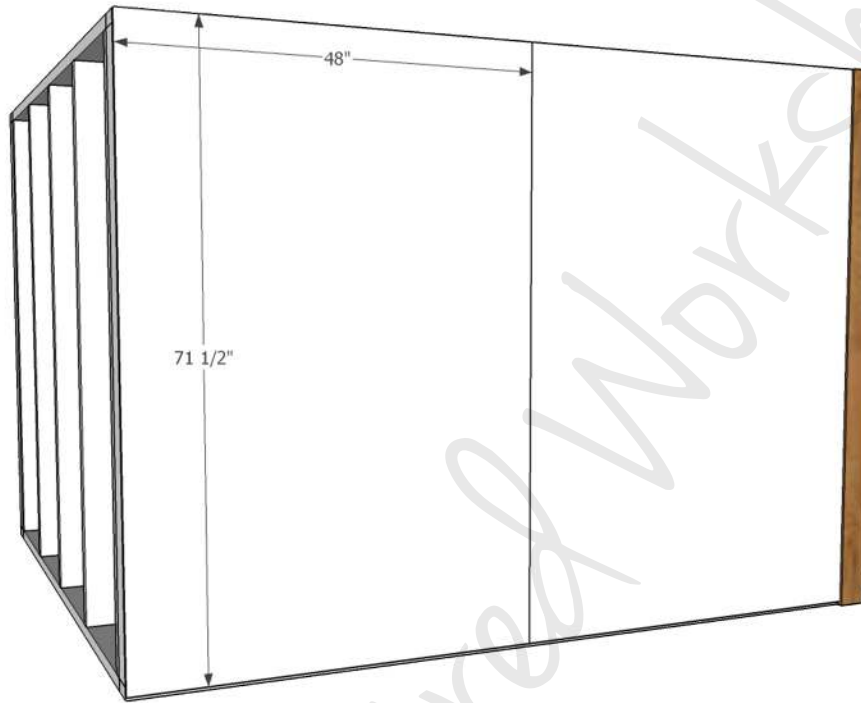


Step 5:
Attach the front of the goat house to the other walls. Screw through the 2x4s of the side walls into the 4x4s of the front frame. The last post will be standing out there alone for a few steps!



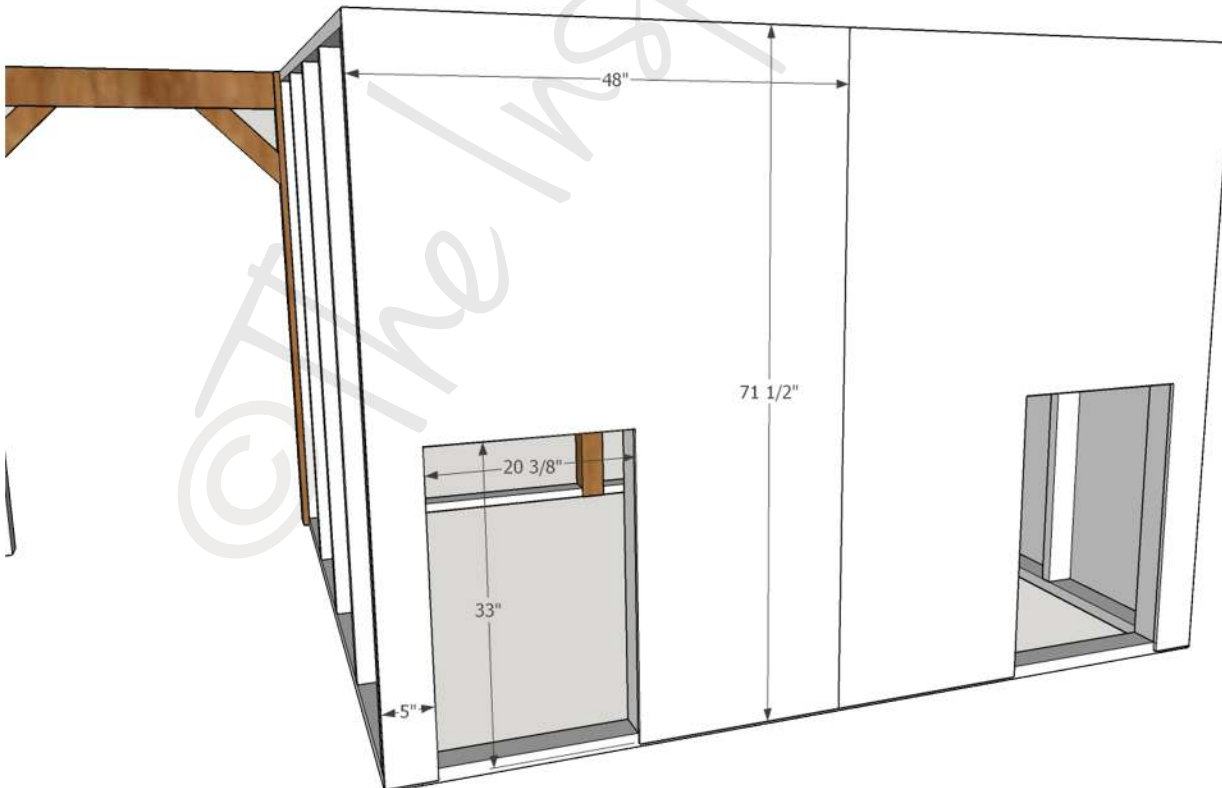
Step 6:

Add the plywood to the left side (when looking at it from the front). The plywood will be flush with the top of the wall and have a small 1/2" gap at the bottom, the trim will cover this but it helps keep water from being able to reach the plywood. If you make sure and raise the ground where you are placing the goat house and you slope the dirt away from it, you are sure to keep your plywood safe. If you aren't sure if you sloped the ground enough, you can always add metal roof flashing to the bottom of the 2x4 and it is a 90 degree angle so you can liquid nail it to the 2x4 and plywood to make sure no water can get in! The trim will cover this as well if you want to do it, it is super cheap if you do! Use 1 1/2" screws to attach.



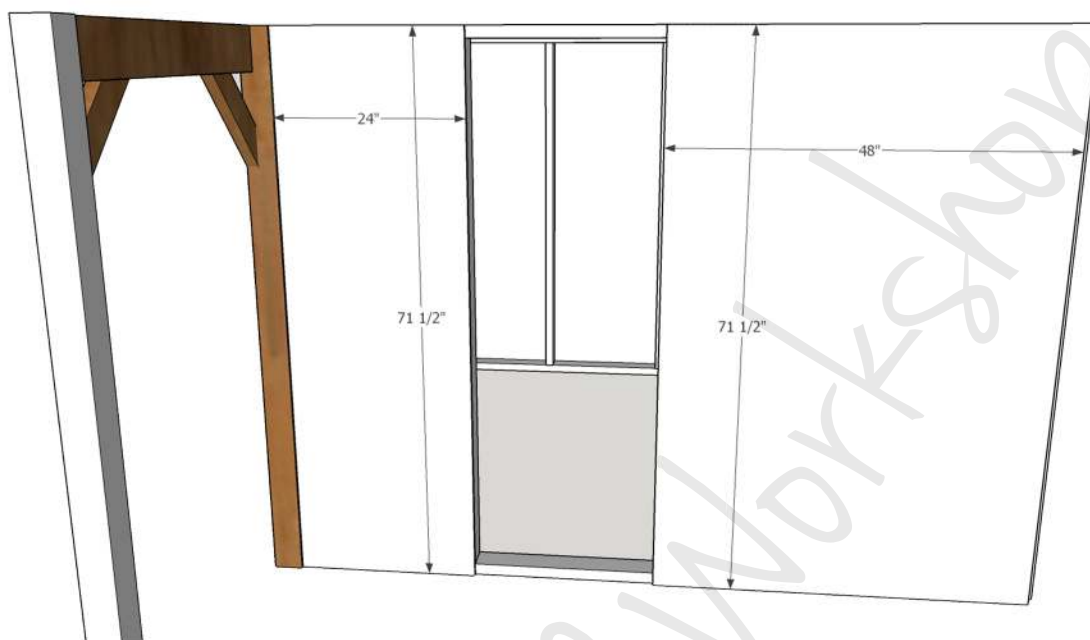
Step 7:

Add the plywood to the back. It has the two small doors cut out of it as shown below!



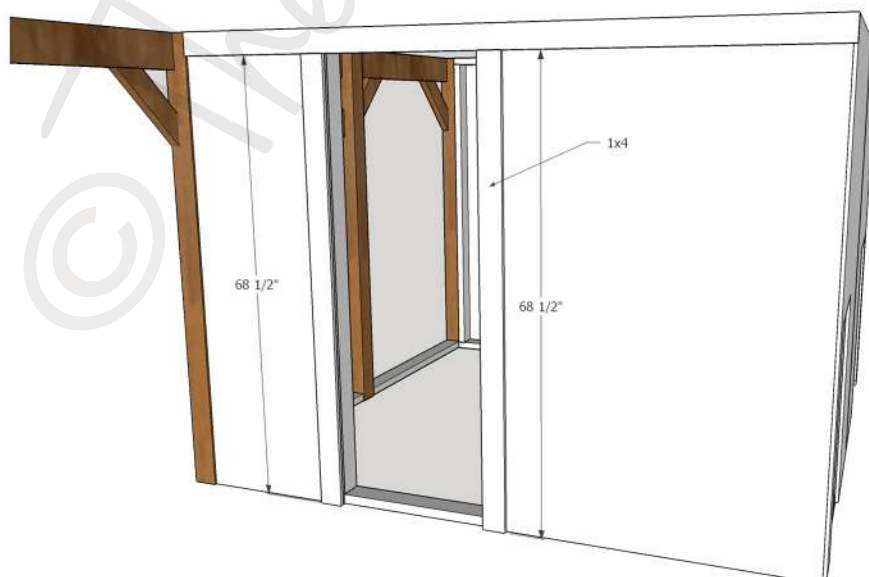
Step 8:

Attach the plywood to the right side. This side has one full sheet and one half sheet of plywood!

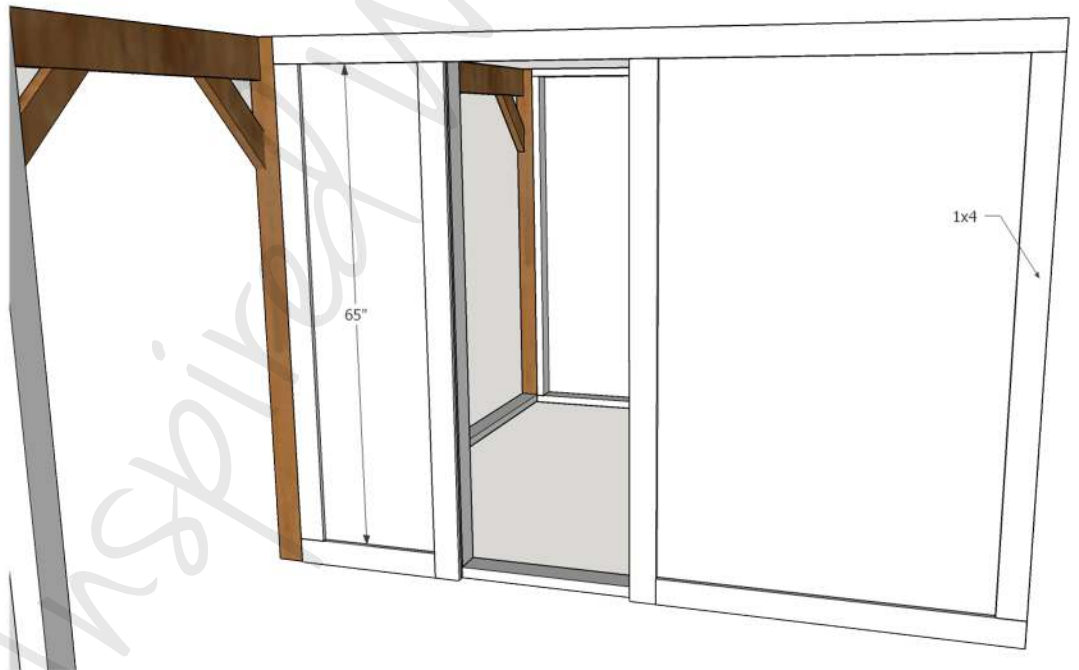
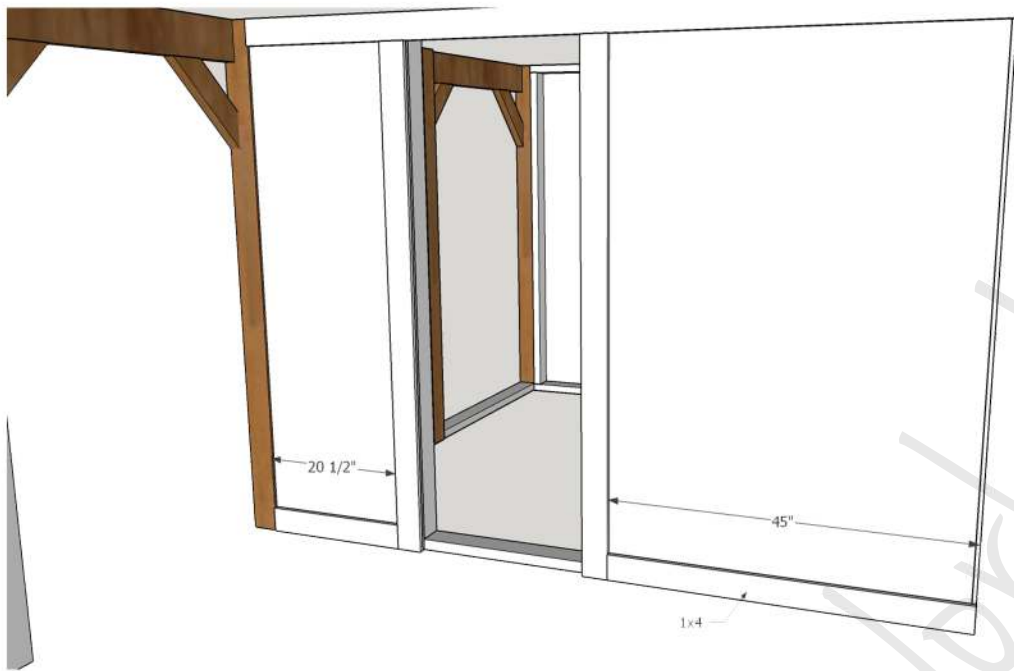


Step 9:

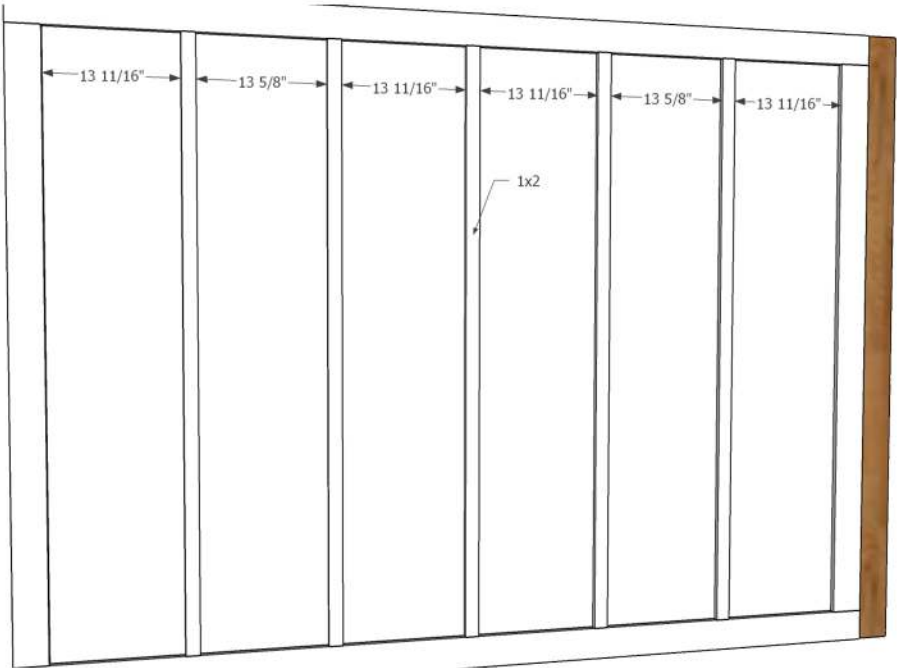
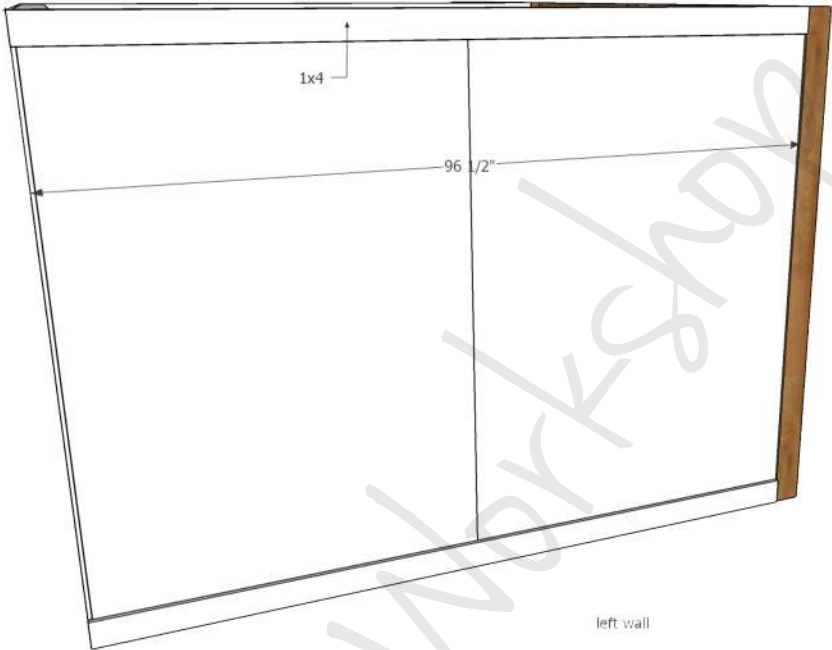
Add the trim! Attach the top board with screws if you plan to do a barn door. All other trim can be attached with 1 1/2" brad nails.



Continue trim!



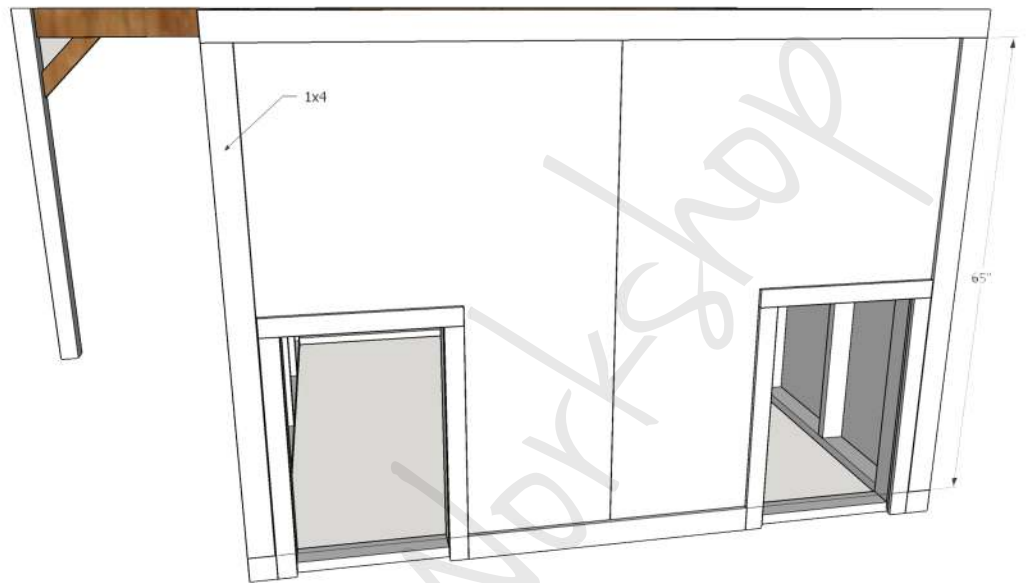
Step 10:
Add trim on the left wall!



Step 11:
Add the trim on the back of the goat house!



Continue trim on the back of the goat house.



Step 12:

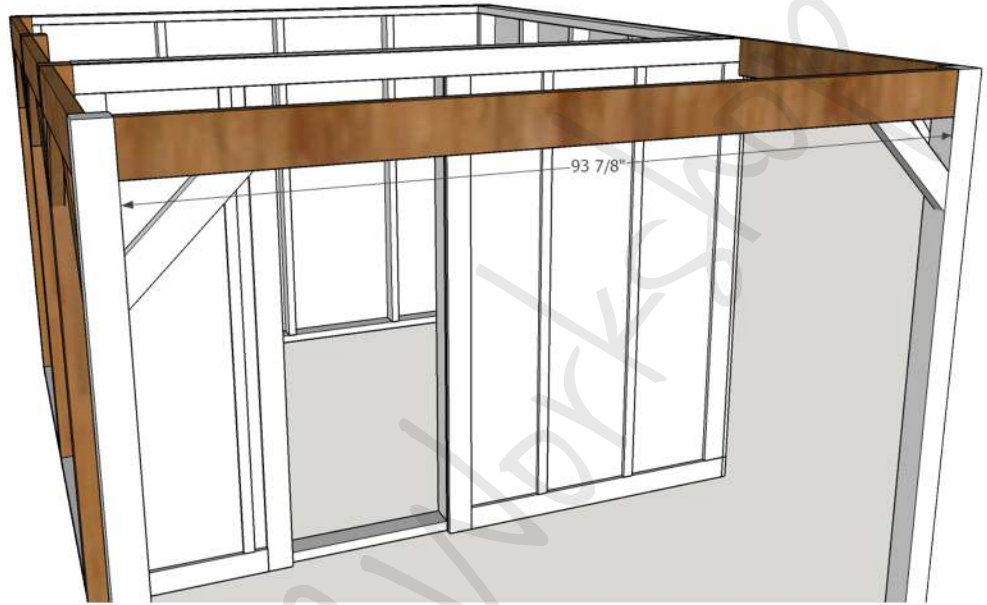
Start building out the milk stand side of the goat house.

Add the back 2x6 @ 41 7/8" and the back 4x4. You will then add the angled braces back here as well!



Step 13:

Add the 2x6 @ 93 7/8" in between the side posts. Add angled braces here as well.



Step 14:

Build frame of 2x3s for the fence pickets to be screwed into to build a half wall. Use pocket holes to attach the frame boards together, then face the pocket holes towards the outside so that the fence pickets will cover them!! Pocket holes will be drilled at a depth of 1 1/2" and use 2 1/2" screws and wood glue when assembling!



Once the frame is built, attach the frame to the 4x4s with 3 1/2" screws directly through the 2x3s and into the 4x4s.

Step 15:

Add the fence pickets to the outside of the goat barn. I used screws with heads that I liked, (linked in the post) that I could just screw straight through the fence pickets to attach!

Gates and doors are on their own printout! See blog post to find them:
<https://theinspiredworkshop.com/diy-goat-house/>

