Hey all and thanks for coming to check out my plans for the drying rack that I built and used for making the Pine Trees using Foxtail Fern.

I appreciate you taking the time to watch the video and check out the website.

Before we get started I just want to warn you that I’m no professional draftsman and the drawings are just that... drawings.

All measurements will be metric.
**Materials:**

**Wood:**
19mm X 42mm pine at least 1.7m worth (will be cut down)
42mm X 42mm pine 43.25cm long
10mm X 20mm pine at least 2m worth (will be cut down)
Bamboo barbeque skewers at least 3 or 4.

**Screws:**
4 X 65mm screws
4 X 38mm screws

**Clips:**
20 X 65mm alligator clips

**Construction:**

Step 1:
I first start with the 19mm x 42mm pine.
I cut 2 lengths at 33cm, these will be the top pieces.
Next I cut 4 lengths at 25cm, these will be the two lower braces and the vertical pieces.
I use two 65mm screws and some wood glue to join the three pieces together.
Make two of these.
Step 2:

Next I join the lower cross beam to complete the main frame of the drying rack. The cross beam is cut to 43.25cm long.

I use two 38mm screws on each end and I make sure the cross beam connects to the lower horizontal piece as well as the vertical piece. The cross beam will be sitting up of the floor.

One screw goes through the bottom piece and the other screw goes through the vertical piece. The picture does a better job of explaining. Just remember to offset the screws so they are not directly in the middle.

Remember to glue first before screwing, the glue helps keep the rack rigid and strong.
Step 3:

On the top horizontal piece I drill the holes that will hold the bamboo skewers that will act as a guide for the main wooden rails.

Depending on the skewers you use, drill the holes for a tight fit. For me a 4mm drill bit worked. I then cut the skewers to about 3cm and glue them into the holes.

Space the skewers apart just enough to allow the wooden rail to slot between them. I do this so I can have a total of 4 rails spaced evenly across the top.

Doing this enables the rail to be easily removed.
Step 4

Preparing the rails. You will need to do this for the 4 rails.

I drill two holes on each end 2.5cm in from the edge. I use the 4mm drill bit to screw the holes and insert two small cuts of bamboo skewer.

Next I drill 5 holes using the 5mm drill bit evenly spaced between the two holes on the edges. This worked out to be one hole every 7.15cm.

![Diagram showing holes and distances]

The two pieces of bamboo skewer on the edges prevent the rail from sliding off the frame of the drying rack while still enabling the rail to be removable.

Another option would be to fix the rail to the frame, this would negate the need for any of the bamboo skewers however the rail would not be removable.

It is quite useful being able to remove the rail.
Step 5

Finally, all we need to do is insert the alligator clips into the rail.

These clips are available from Jaycar in Australia and they are the 65mm clips. I simply remove the rounded plastic cap and push the clip into the predrilled 5mm hole. Depending on how tight the fit is, you may want to use hot glue to hold them in place. I found the fit was quite tight and didn’t need to use the glue on my rails.
Finished:

That completes the guide on building a drying rack, you can use the drying rack for many different applications.

At the moment I’m using it for hanging tree armatures but I anticipate using it for many other items in the future like painting and other drying needs.

Thanks for taking the time to check out this guide.

Hope you found something useful

Cheers