

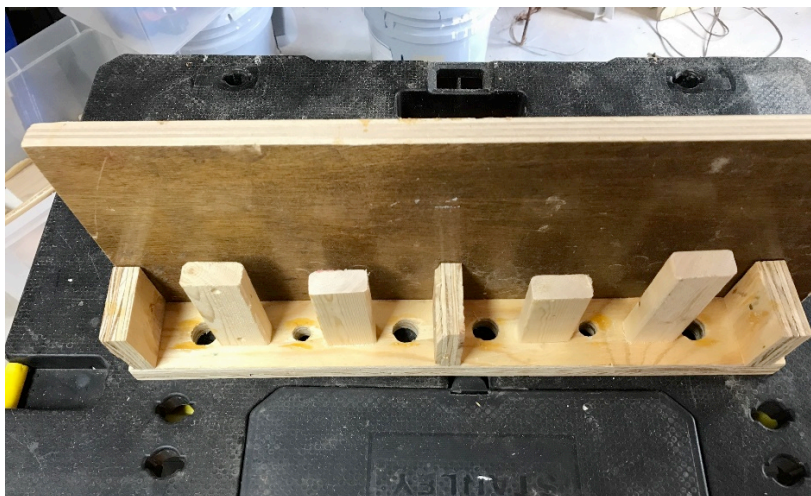
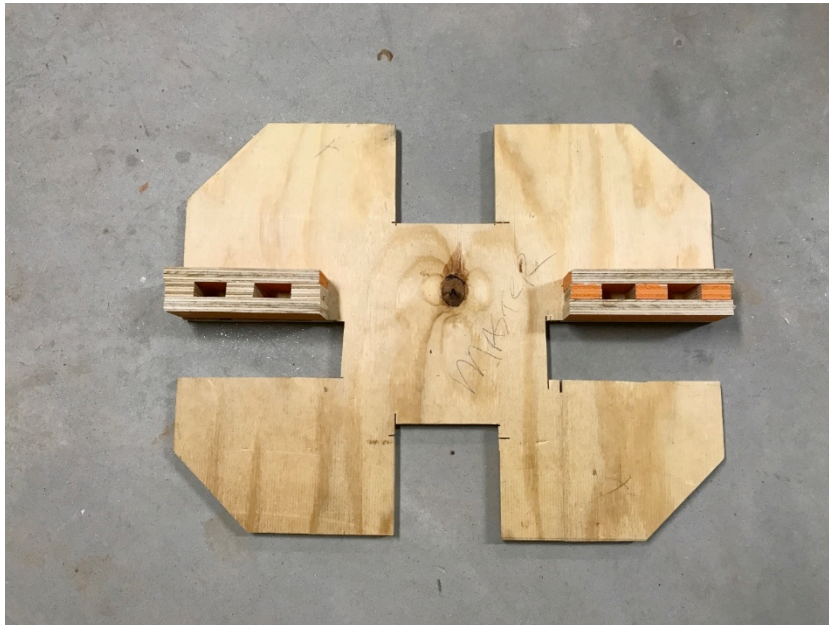
Stackable Target Stands

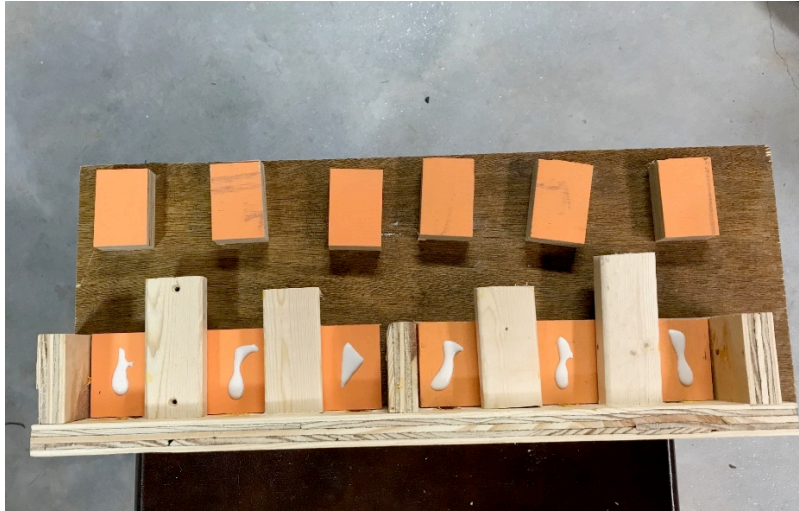
These target stands were designed to save space. I have been using them twice a month for the past year and a half for IDPA style matches at an indoor range and have also used them outdoors. They have held up well and if you build them I trust they will work as well for you. Below is some information and some tips you may find helpful. The stands are a little more labor intensive to build but they do save a lot of space. Material cost is \$5 per stand or less not including spikes or paint. A gallon of paint is enough for 20 stands. I did not paint the ones I use indoors and they are fine without it.

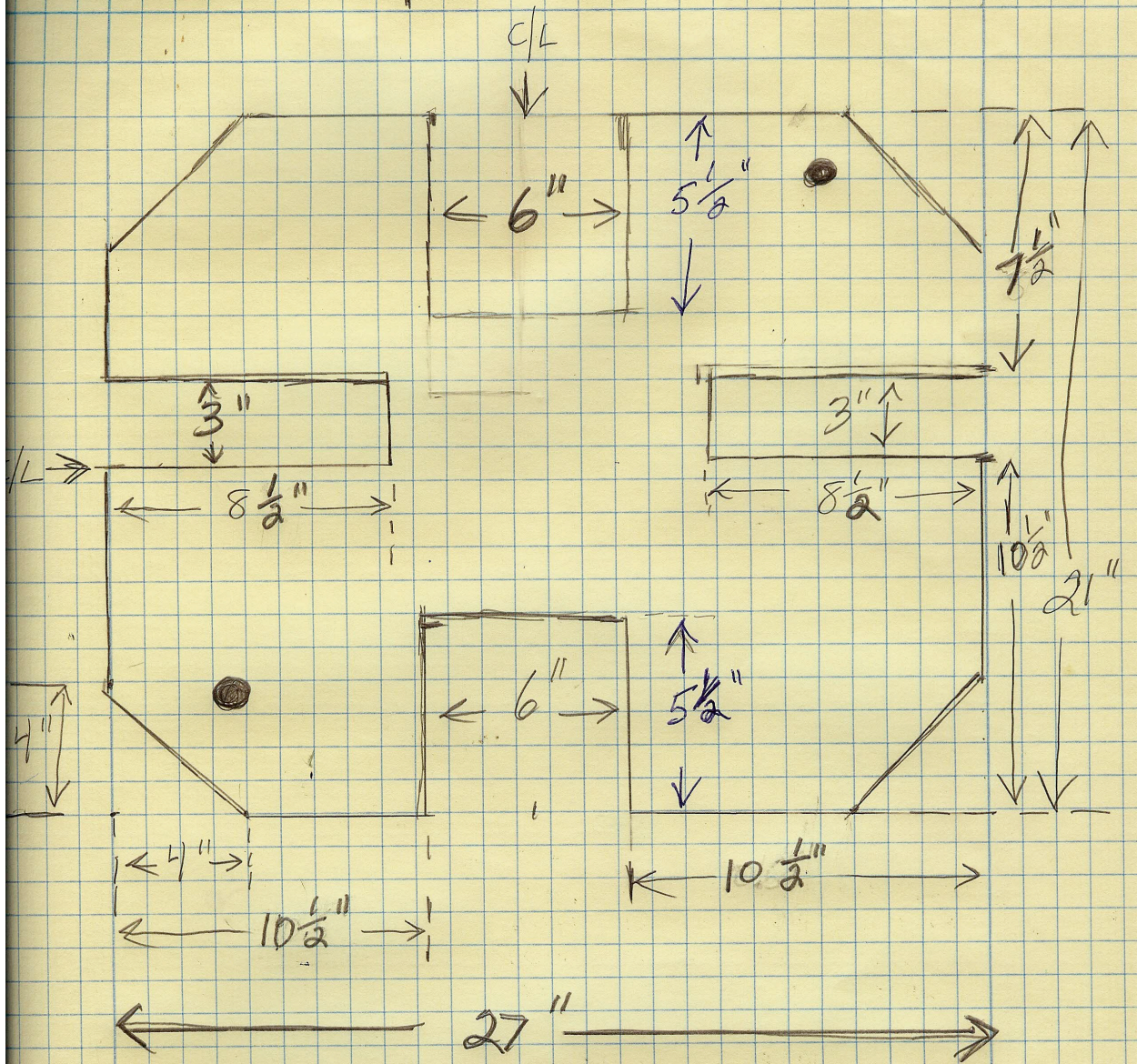
1. The wood is all $\frac{3}{4}$ " or 23/32" plywood. Lately real $\frac{3}{4}$ " dimension ply has been hard to find and I have built the last 20 or so stands with 23/32" plywood and they have worked just fine.
2. They are designed to be used with the typical "1x2" x 8ft uprights available from Home Depot or Lowes that sell for under \$1 each. I am sure the design could be altered to work with 2x2 lumber but I have not seen the need to do that.
3. I usually get the 4x8 ft. plywood (23/32 or $\frac{3}{4}$) that costs about \$25 a sheet. I will have the guys at HD rip it at the store to give me two pieces 21" wide x 8 feet long which will leave a third piece just under 6" wide. It is easier for me to load and unload it when I get home. But you will want to rip a couple of 2" wide lengths from the 6" strip which, unless you have a table saw, is easier if you start with a whole sheet. (When I want a really accurate cut I do not use the HD folks for that.)
4. The dimensions for the bases is already generous. So long as you are close to the dimensions provided there will be plenty of clearance. (We are not building a Hospital here.)
5. The "brackets" require a little more care. It is important that the "sides" and "spacers" not exceed 2 and 1/8" tall or else they will not stack level after the fourth stand. It is also important to not make the "spacers" more than 1.5" wide so as to allow your vertical sticks to insert easily.
6. I use the first base I cut as a template for all the others.
7. I built a jig to help with assembly of the "brackets". Photos attached. By using pieces of 1x2 for the jig you assure your sticks will fit in the open slots. Of course you can build it without a jig as well.
8. I use glue and 2" exterior screws to assemble the brackets and also to attach them to the base. For the Dual 18/24 base I use three screws to attach the bracket to the base, for the other I use 2 screws.

9. If you are building the 18" wide only version you can get eight stands from a sheet of plywood. If you are building the 18/24 dual purpose stand you will get six. (You may be able to squeeze seven out of a sheet but I have not tried it yet.)
10. I have drilled $\frac{1}{2}$ " holes in the ones for outdoor use and used the $\frac{3}{8}$ " spikes available at Home Depot or Lowes. The 10" spikes are plenty long enough and the 6" ones would probably be fine in most wind conditions.
11. I use a circular saw for most of the cuts on the base and a jig saw to cut the back out of each "slot" in the base. A miter/chop saw works well for the bracket pieces but I have done it with a circular saw as well.

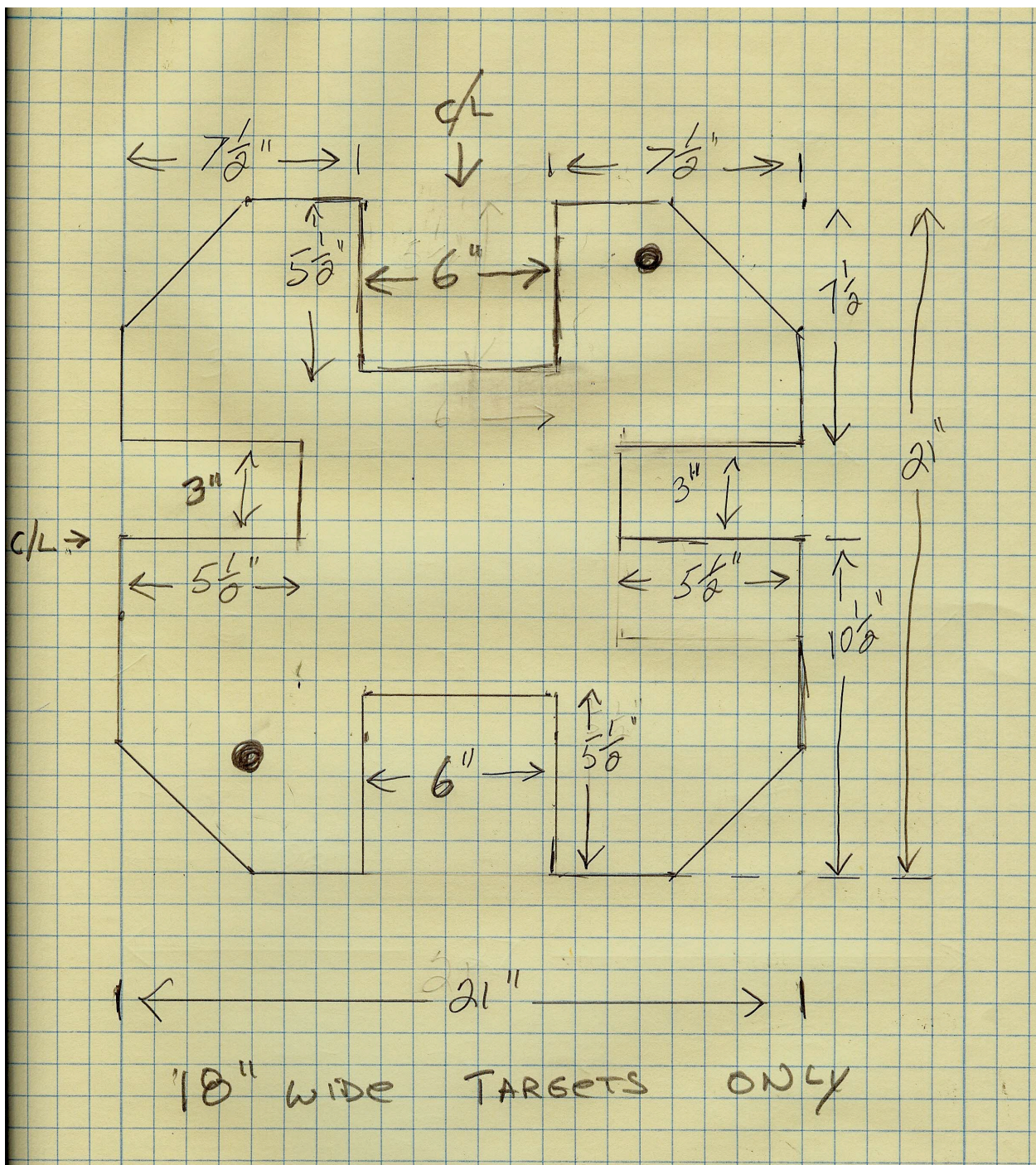
If you have any questions or comments shoot me an email to steve.gadpa@gmail.com If you come up with improvements, please share them with me.



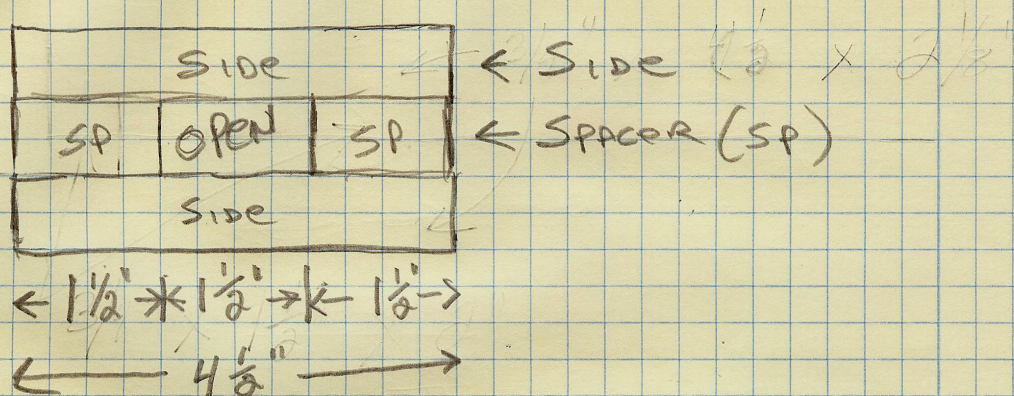




DUAL 24/18 BASE



BRACKET TOP View FOR 18" STANDS.



BRACKET TOP View FOR 24" OR 18" STANDS.

