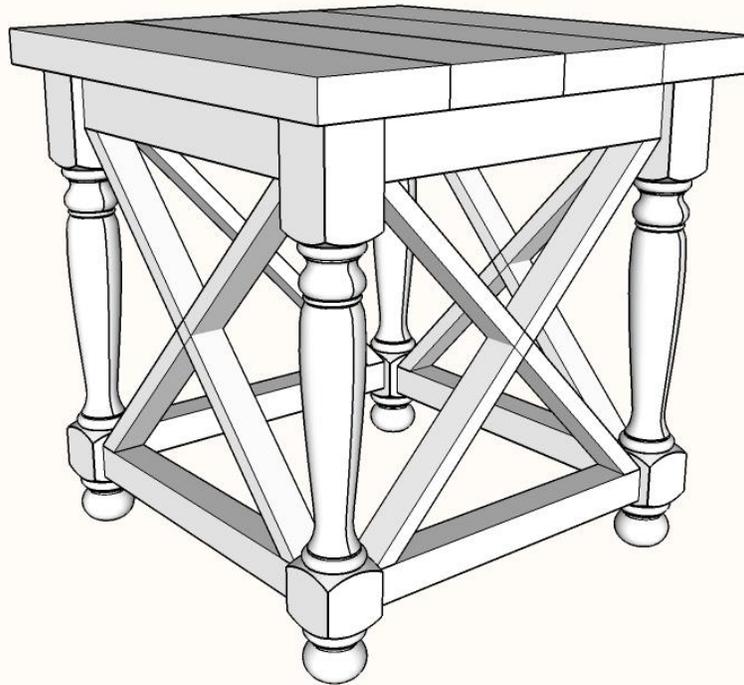


DIY X Panel Side Table



***Before beginning this project, please read through all of the plans as well as the blog post associated with this project. Always use safety precautions whenever using power tools and follow the manufacturer's suggested guidelines. Make sure to wear proper safety protection (eye protection, hearing protection, etc.) before beginning any project. Cut all pieces per the measurements in the plans, unless noted otherwise.**

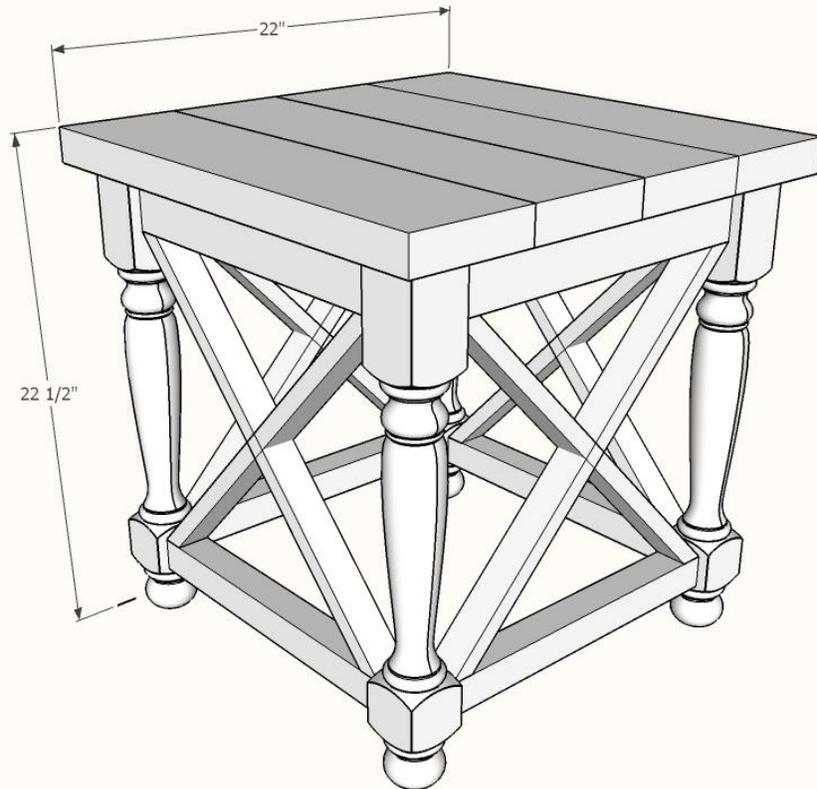
Materials List:

- 4 Heritage end table legs from Osborne Wood Products
- 1 – 2x3 @ 8' long (or 1 – 2x4 ripped down on tablesaw to 2 ½" wide)
- 1 – 2x2 @ 8' long (or 1 – 2x3 ripped down on tablesaw to 1 ½" wide)
- 1 – 2x6 @ 8' long (or 1 – 2x8 ripped down on tablesaw to 5 ½" wide)
- 2 – 1x2 @ 8' long
- Miter saw
- Table saw (if ripping down lumber)
- Orbital sander with 120 and 220 grit sandpaper discs
- Kreg jig
- Drill
- 2 ½" pocket screws, and 1 ¼" pocket screws
- 1 ¼" wood screws
- Finish of choice (I used Minwax stain in Golden Oak, Weathered Oak, and Special Walnut)
- Desktop fasteners

Cut List:

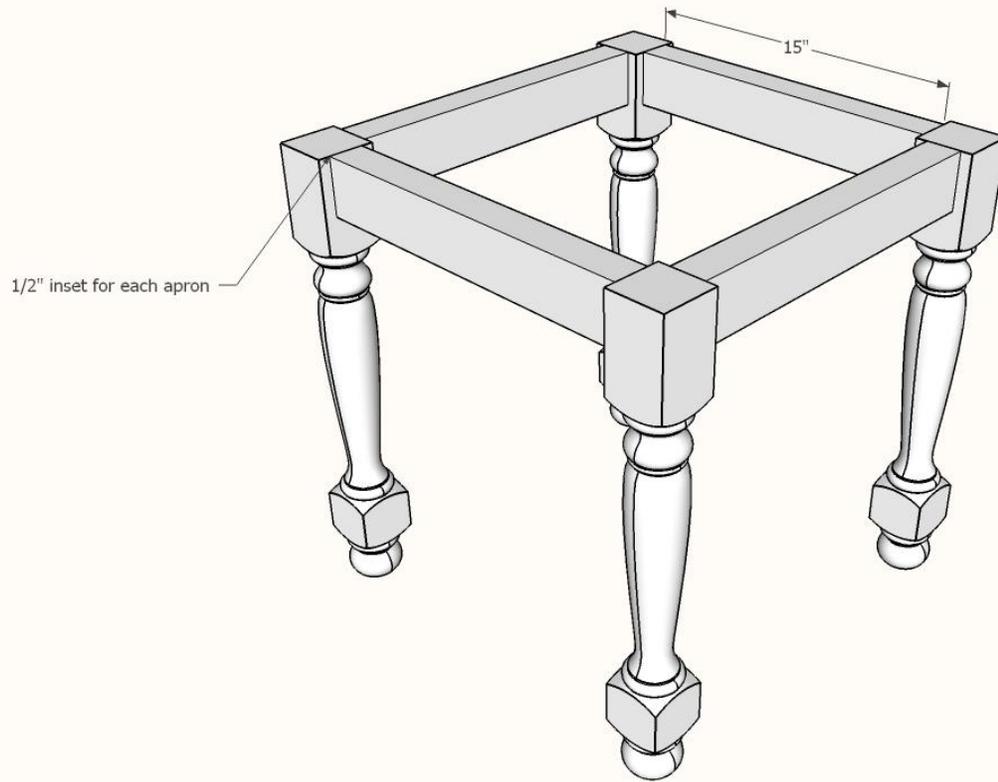
- 4 – 2x3 @ 15" long
- 4 – 2x2 @ 15" long
- 8 – 1x2 marked and cut to size
- 4 – 2x6 @ 22" long
- 2 – scrap wood pieces cut at 14 ½" long

Sand all of the cut pieces of wood with 220 grit sandpaper after drilling pocket holes and prior to assembly.



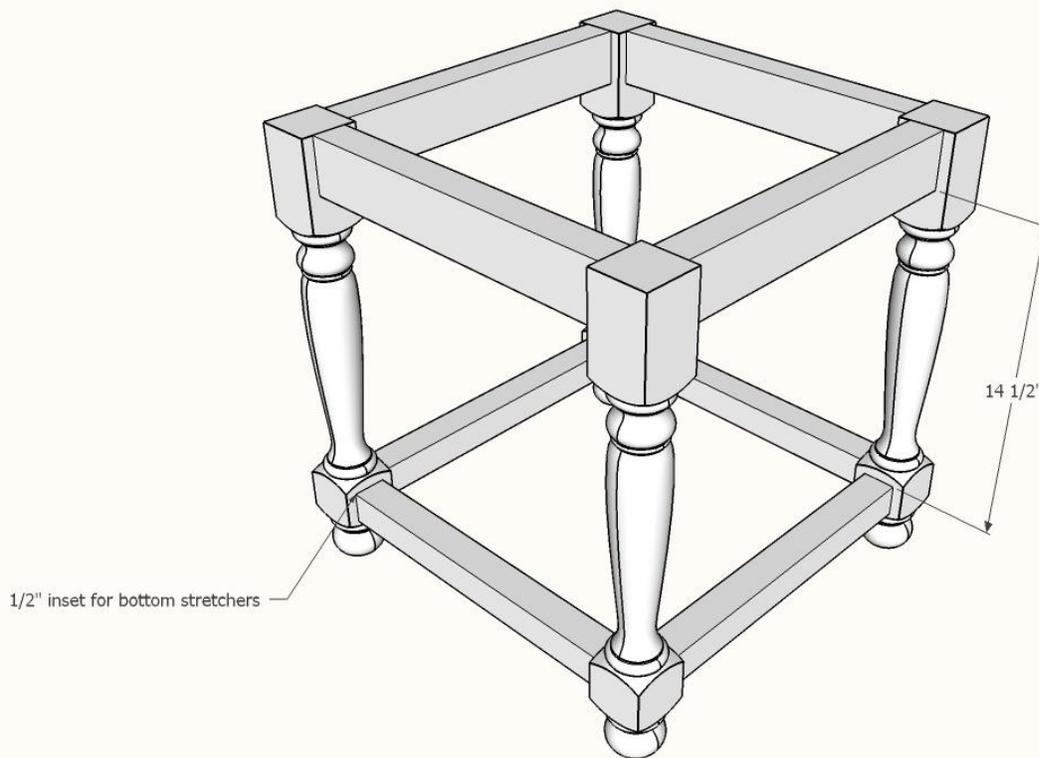
The finished table dimensions will be approximately 22" square and 22 ½" high.

STEP 1:



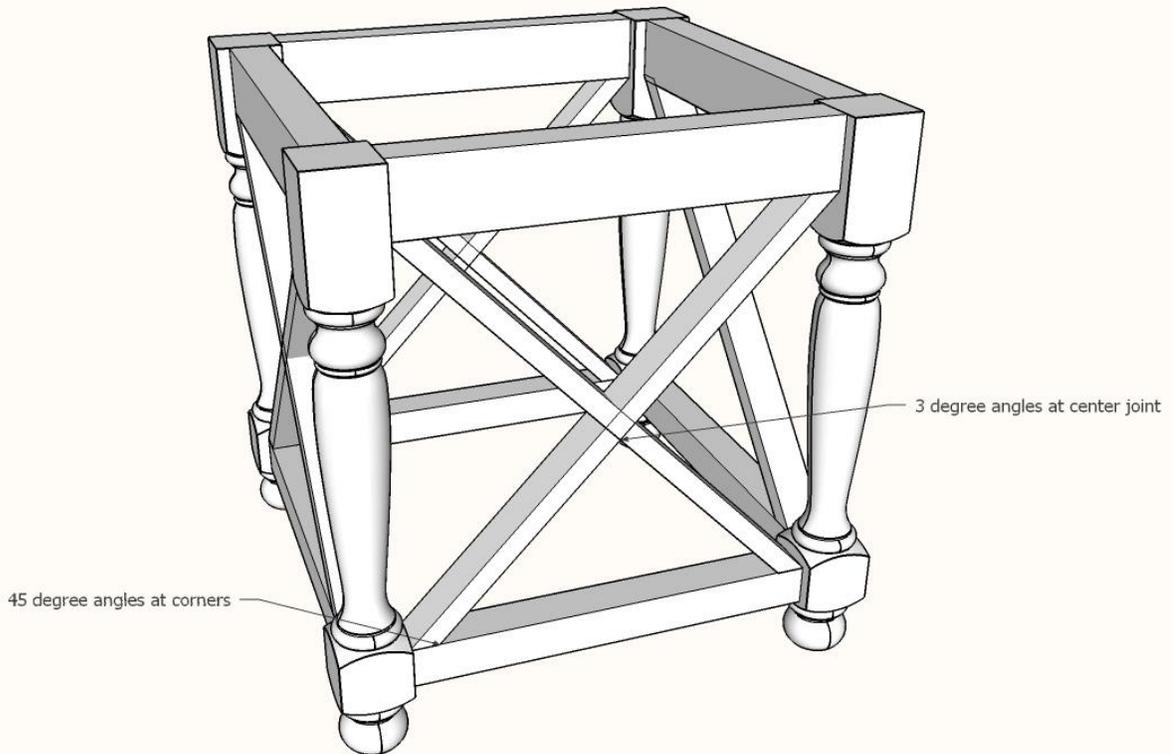
Drill 1 ½ pocket holes into each end of the 2x3 aprons. Measure and mark ½" in from the outside corners of the table legs. Flip the table legs upside down on a flat, level surface and line the aprons up with the marks. Glue and clamp into place, then attach to the legs with 2 ½" pocket screws.

STEP 2:



Drill 1 1/2" pocket holes into each end of the 2x2 stretchers. With the table legs still sitting upside down, mark 1/2" on each of the outside corners of the lower portions of the table legs. Use the scrap pieces of wood (cut at 14 1/2") as a spacer between the top apron and the bottom stretchers. Glue and clamp the stretchers into place, then attach with 2 1/2" pocket screws.

STEP 3:

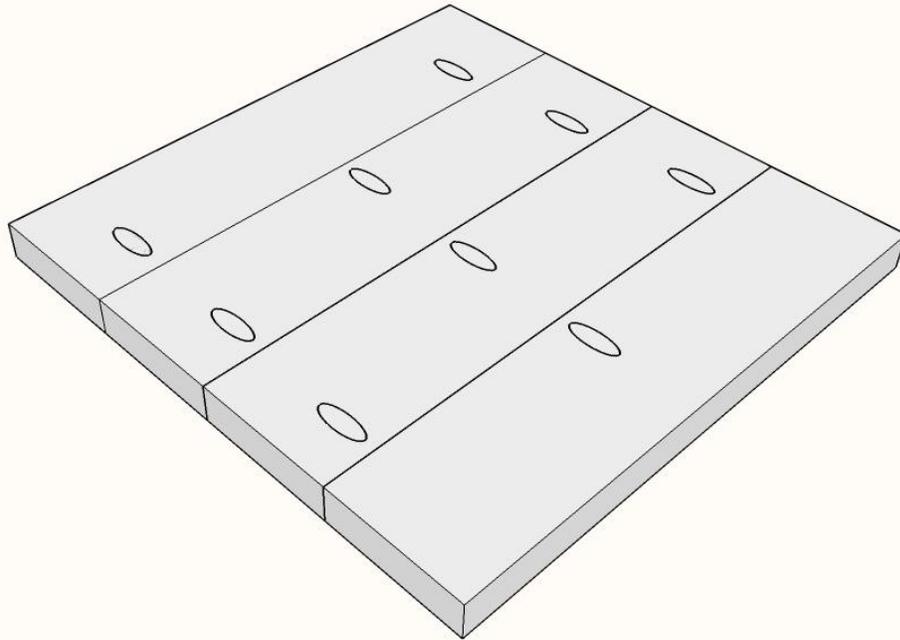


For the Xs, start with placing a 1x2 against the side of the side table at an angle from corner to corner. With a pencil, mark the angles/ends to determine the length of the 1x2 pieces. Adjust your miter saw to find the proper angle of the cut. In this case, the angle was 45 degrees for the ends of each X. Cut the long piece first and test the fit. It is better to cut it slightly longer and shave off a little bit if needed. Once the length is determined, use this piece as a template for the remaining long pieces on each side, testing the fit for each piece. Do the same for the short pieces of the X. Line it up perpendicular to the first piece and mark in the middle with a pencil where the cuts should be. Again line these up on the miter saw to determine the angle. I found this to be 3 degrees. Cut the pieces and test everything for proper fit.

To drill the pocket holes into the ends of each piece, set the stop collar on the Kreg drill bit at $\frac{3}{4}$ " thickness. For the larger angles, set the kreg jig at 1" thickness. Drill the pocket holes so that they will end up being on the underside of each of the X pieces. For the inside ends of the X pieces (short pieces), set the Kreg jig at $\frac{3}{4}$ " thickness. Drill pocket holes, again on the underside of those pieces.

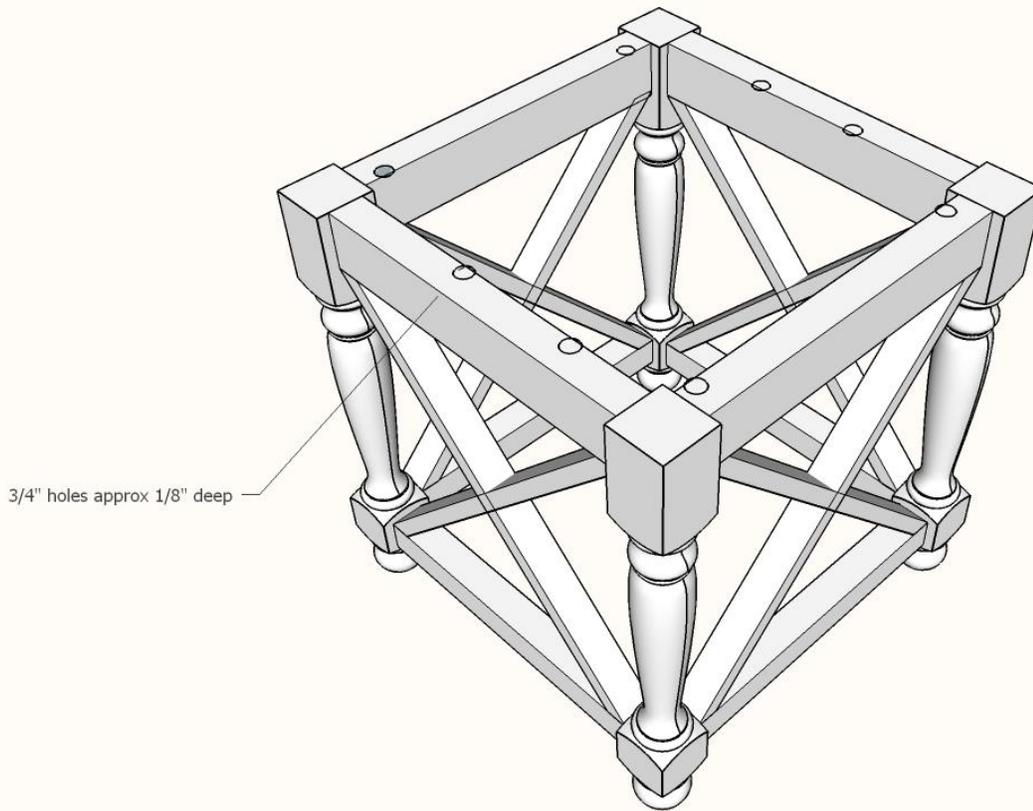
Partially screw each screw in using an offset drill bit attachment to hold the pieces in place. Then screw all of them in fully.

STEP 4:



Drill 1 ½" pocket holes into the 2x6 boards for the top, following the diagram above. Glue up the edges of the boards and clamp together on a flat surface. Attach the boards together with 2 ½" pocket screws. Sand with 120 and 220 grit sandpaper until smooth.

STEP 5:



To attach the top, use a forstner or paddle bit and drill $\frac{3}{4}$ " holes into the tops of the apron pieces, approximately $\frac{1}{8}$ " deep so the desktop fasteners will fit flush with then top edge of the aprons. Attach the desktop fasteners to the base with $1\frac{1}{4}$ " wood screws. Place the table top on the base and measure the overhangs to ensure it is centered. Drive $1\frac{1}{4}$ " screws through the other end of the desktop fasteners into the table top.

Finish as desired with either paint or stain.