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CAPPUCINO BAR



Materials:

white pine 2" x 6", 8 feet long
3/4" and 1/2" dowels, 3 feet each
circular saw
drill
3/4" and 1/2" drill bits
2 or 3 large C-clamps
hammer
2-1/2" drywall screws
heavy-duty picture frame hangers
paint
polyurethane stain
measuring tape
black paint
coarse, medium and fine sandpaper
small scrap block of wood
wood glue

Note: Before tackling this project, practice drilling on some scrap 2" x 6" wood pieces to see how straight you can make a hole. Always wear safety goggles when using the drill or saw.

Steps:

1. Place the pine on the work table and measure 21 inches from the end that has the flattest cut. Put the straightedge on the board, diagonal from one corner to the other, and draw a cut line. Use the clamps to hold the wood down while cutting, and manipulate the wood in order to make a clean cut with the circular saw.
2. Put the cut piece on top of the other like a sandwich, so the widest end is now the top of the base for the shelf.
3. Make a pencil line along the sandwich edge to match the other.
4. Un-sandwich, re-clamp and cut along the line.
5. Cut the top, measure 29 inches from the edge and draw a cut line. Cut with circular saw.
6. Pick the side that will look the best for the front, and measure 2" from each end, measuring in towards the center. Mark. Draw a line from both of these to the back corners. Clamp and cut these two lines.
7. At the widest end (the top), find the center along the side where you are to insert the 3/4-inch dowel and mark. From this marked point, measure down the side 2-1/2 inches twice, then one inch back toward the uncut end, which is the back. These are the other two dowel marks. Clamp both pieces together like a sandwich.
8. Fit the drill with the 3/4-inch bit and with a steady hand, drill through both pieces as straight as possible.
9. Repeat for 1/2-inch dowels using the 1/2-inch drill bit.
10. Cut the 3/4-inch dowel to 20 inches and the two 1/2-inch dowels to 12 inches.
11. Sand all pieces with coarse, medium and fine sandpaper.
12. At the bottom of the base, if the edges are too sharp, wrap sandpaper around a block of wood and sand it flat.
13. Assemble the two sides of the base, with the top down, and set on the table. Feed the dowels through the holes and center each one. Use the scrap pine for the spacer in between the two sides. Mark each dowel and slide out to glue, then slide back to the marks and twist, spreading the glue. Allow to glue to dry for at least an hour.
14. Lay the newly glued base flat on its back with the spacer underneath, center the top next to the top base, and mark two pilot holes for each side, two inches apart. Mark and drill the four pilot holes, all the way through to the base.
15. Spread some glue on the tops of each base, reposition and screw together.

16. Turn over and find the center, mount the hangers 16 inches on center from the center mark on the back.
17. Finish by masking out the dowels on the base and painting the them with black paint. Apply a polyurethane stain and let dry overnight.