



Corner Cupboard

Almost everyone has a forgotten and forlorn corner that would benefit from this cupboard. It is only about 14 inches across (at the widest point), but it will hold any number of decorative items that don't seem to fit anywhere else. I've gotten lots of compliments on mine, usually followed by, "and if you ever want to build another one, I have just the place for it."



Materials

Lumber:

- 20 linear feet of 1 x 10 pine
- 3 linear feet of 1 x 2 pine
- 28 linear feet of 1 x 4 pine
- 1 linear foot. 1 x 6 pine
- 2 linear feet of 3/4-inch-wide screen molding
- 4 linear feet of 3-1/2-inch-wide decorative molding

Hardware

- Approx. 100 #6 1-1/4-inch-long flathead wood screws
- Approx. 100 6d finishing nails

Special Tools and Techniques

- Miters
- Bevels

Cutting List

Code	Description	Qty.	Material	Dimensions
A	Right Back	1	1 x 10 pine	79" long
B	Left Back	1	1 x 10 pine	79" long
C	Trim	2	Ripped from A and B	79" long
D	Back Support	4	1 x 4 pine	79" long
E	Shelf	7	1 x 10 pine	8-1/2" x 8-1/2" x 11-1/4"
F	Middle Shelf Trim	3	1 x 2 pine	11-1/4" long
G	Top Shelf Trim	1	1 x 4 pine	11-1/4" long
H	Bottom Shelf Trim	1	1 x 6 pine, ripped	11-1/4" long
I	Bottom Trim	1	3-1/2" decorative molding	Cut to fit Approx. 2' total
J	Screen Molding	1	3/4" screen molding	Cut to fit Approx. 2' total
K	Top Trim	1	3-1/2" decorative molding	Cut to fit Approx. 2' total

Constructing the Cupboard

1. Cut two 79-inch lengths of 1 x 10 pine and label them right back (A) and left back (B).
2. Rip right back (A) to a width of 8-1/2 inches, cutting off 3/4 along its full length (Refer to *Figure 1*.) This will allow both backs (A and B) to be the same width when they are overlapped and fitted together at the center in a later step.

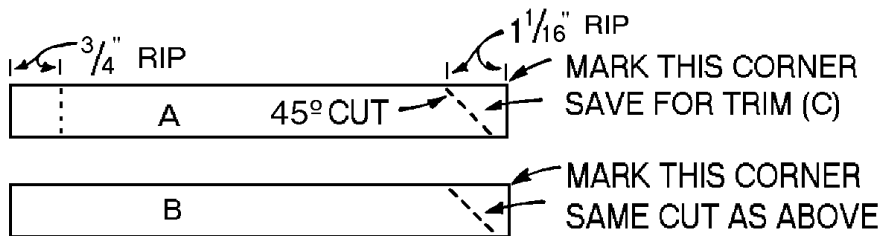


Figure 1

3. Mark the corners of right back (A) and left back (B) as shown in *Figure 1*. (You'll need the mark for future reference). Then, set your saw blade to cut 45 degree off vertical, and, as shown in *Figure 1*, rip both the right and left backs lengthwise. Be sure to measure carefully and make your bevel cut exactly 1-1/16: from the edge of each back piece (A and B). Save the resulting marked and ripped pieces because they will be re-attached to the same edge to form the trim (C). (That may sound confusing, but it easy to do. It is

explained in a later step.)

4. Attach Right Back (A) to Right Back (B) as shown in *Figure 2*, using both glue and screws along the entire joint. Use 1-1/4"-long screws evenly spaced about 6 inches.

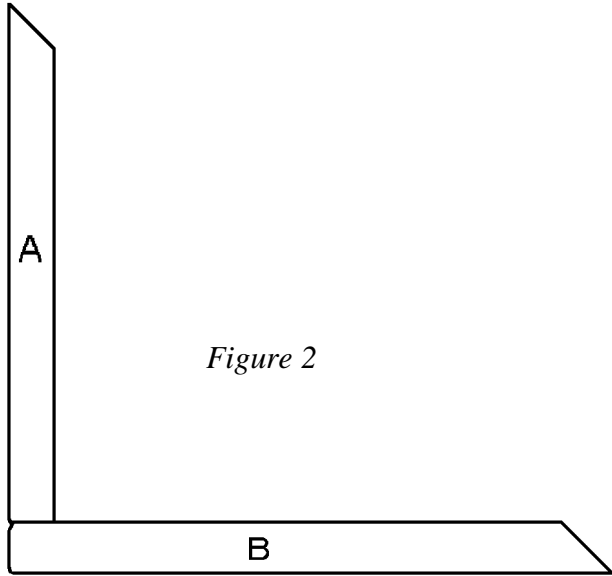


Figure 2

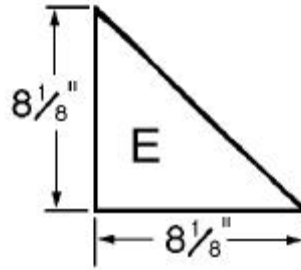


Figure 3

Adding the Shelves

1. The shelves are added next. We made seven shelves (three in the middle, and two each at the top and bottom). Trim covers the spaces between the upper two shelves and the lower two shelves.
2. The three upper shelf openings are 17 inches, and the lower shelf opening measures 17-1/4 inches. Of course, if you want to display shorter items on the shelves, you can simply increase the number of shelves (and of course, decrease the space between them). Make sure that you space them evenly, adding any "remainder space" to the lower opening.
3. Measure and cut 7 triangular shelf pieces (E) from 1 x 10 pine. Each shelf should measure 8-1/8-inches long on two sides on the two sides to match the width of your cupboard backs (A and B). (See *Figure 3*). As a precautionary measure, double-check to make sure that both your cupboard backs conform to this width.
4. Measure and mark the placement of all of your shelves (E), following the diagram in *Figure 4*. The top and bottom shelves (E) should be flush with the top and bottom of the cupboard backs (A and B).
5. Check the fit of each triangular shelf (E) in its position before attaching it. Secure the shelves (E) to the cupboard backs (A and B) using both glue and screws. Use six to eight 1-1/4"-long screws in each shelf. To prevent the screws from showing in the front, drive the screws through the back of the cupboard into the shelf edges.

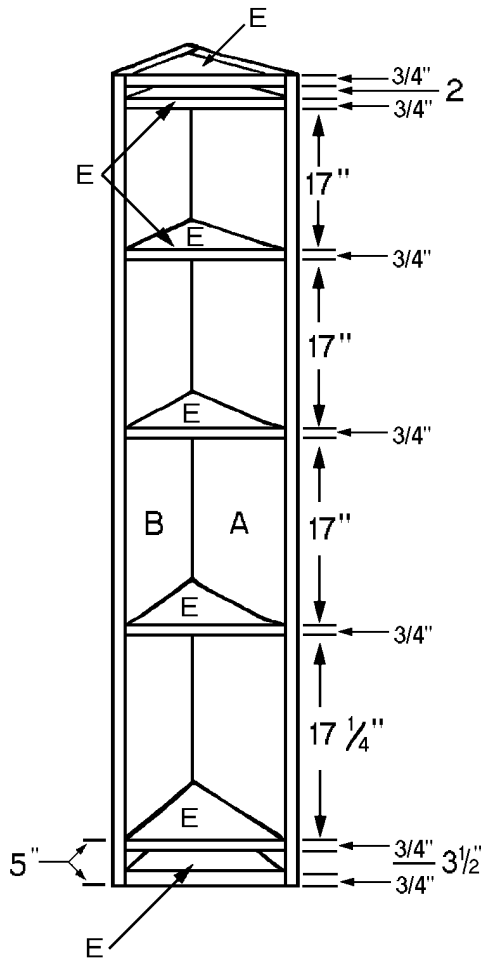


Figure 4

- Turn the trim pieces (C) so that the marked corner and the narrow edge of the trim (C) are in the positions shown in *Figure 5*. Reattach them to the cupboard backs (A and B) using glue and finishing nails along the entire length. Space the nails approximately 6 inches apart.

Adding the Back Supports

- Cut four back support pieces (D), each 79 inches long from 1 x 4 pine.
- Attach two back support pieces (D), to the center back of the assembled cupboard, overlapping them as shown in *Figure 5*. Glue and screw the supports (D) to the backs (A and B) using 1-1/4"-long screws placed about every 6 inches.
- Attach the remaining two back support pieces (D) to the outer edges of the cupboard backs (A and B), flush with the reattached trim (C). Glue and screw them to the cupboard backs using 1-1/4"-long screws spaced approximately 6 inches apart.

Adding the Shelf Trim

- Cut three middle shelf trim pieces (F) from 1 x 2 pine, each 11-1/4 inches long. Attach them to the front of the three middle shelves with glue and finishing nails, using about 3 nails per shelf. Make sure that the top of each shelf trim piece (F) is flush with the top of the shelf, as shown in *Figure 5*.
- Cut one 11-1/4"-long top shelf trim piece (G) from 1 x 4 pine. Attach it to the front of the top two shelves with glue and finishing nails, putting three nails into each shelf.
- Rip a 1-foot length of 1 x 6 to a width of 5 inches. Using the resulting 5-inch width, cut one 11-1/4"-long bottom shelf trim piece (H).
- Attach the bottom shelf trim piece (H) between the two bottom shelves (E) using glue and finishing nails. Using three nails across the top and three across the bottom.

Adding the Trim

- Measure the exact dimensions, as indicated in *Figure 5*, from (1) to (2), from (3) to (4) on

the bottom of your cupboard. These are the inside dimensions for your bottom trim pieces (I).

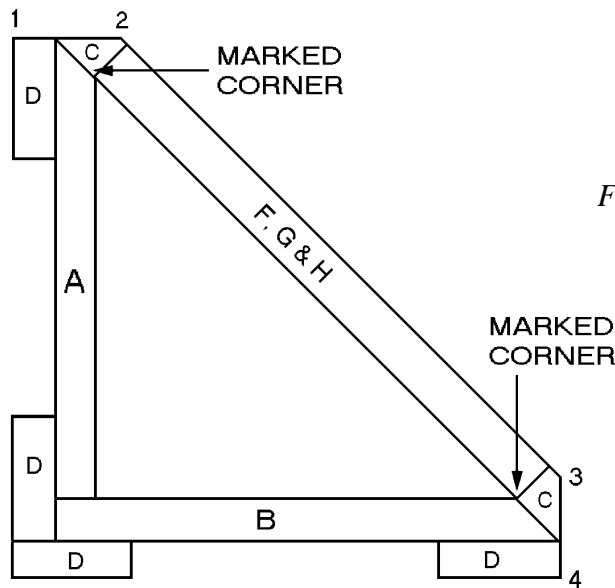


Figure 5

2. From 3-1/2"-wide decorative molding, cut three bottom trim pieces (I): two approximately 2 inches long, and one approximately 12-1/2" long. Be sure to add a little extra length to each piece to allow for the miters.
3. Standing each bottom trim piece (I) on its edge, miter one end of each of the shorter lengths and both ends of the longer piece. Set your saw to cut 22-1/2 degrees producing an angle of 67-1/2 degrees on the wood.
4. Attach the mitered pieces of molding along the bottom edge of the assembled cupboard, as shown in *Figure 6*. Use glue and 6 penny finishing nails, placing one nail every 3 inches. Countersink all the nails.

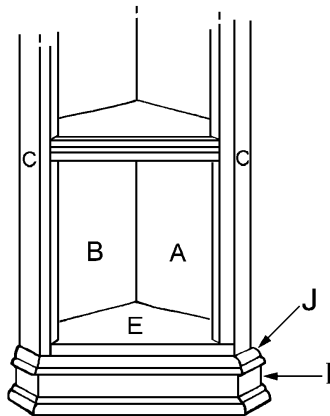


Figure 6

5. Repeat Steps 1 through 4, above, using screen molding (J) this time. Attach the cut and mitered strips of screen molding (J) directly above the decorative molding (I), as shown in *Figure 6*, using glue and finishing nails. Space the nails about 3 inches apart and countersink them.
6. Repeating the same process, attach 3-1/2"-wide decorative molding (K) along the top edge of the assembled cupboard over the shelf trim. Again use glue and finishing nails spaced about 3 inches apart. Countersink the nails.

Finishing

1. Fill any nail holes, cracks, crevices or knotholes with wood filler, and sand the entire cupboard.
2. Paint or stain the cupboard with the color of your choice.

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