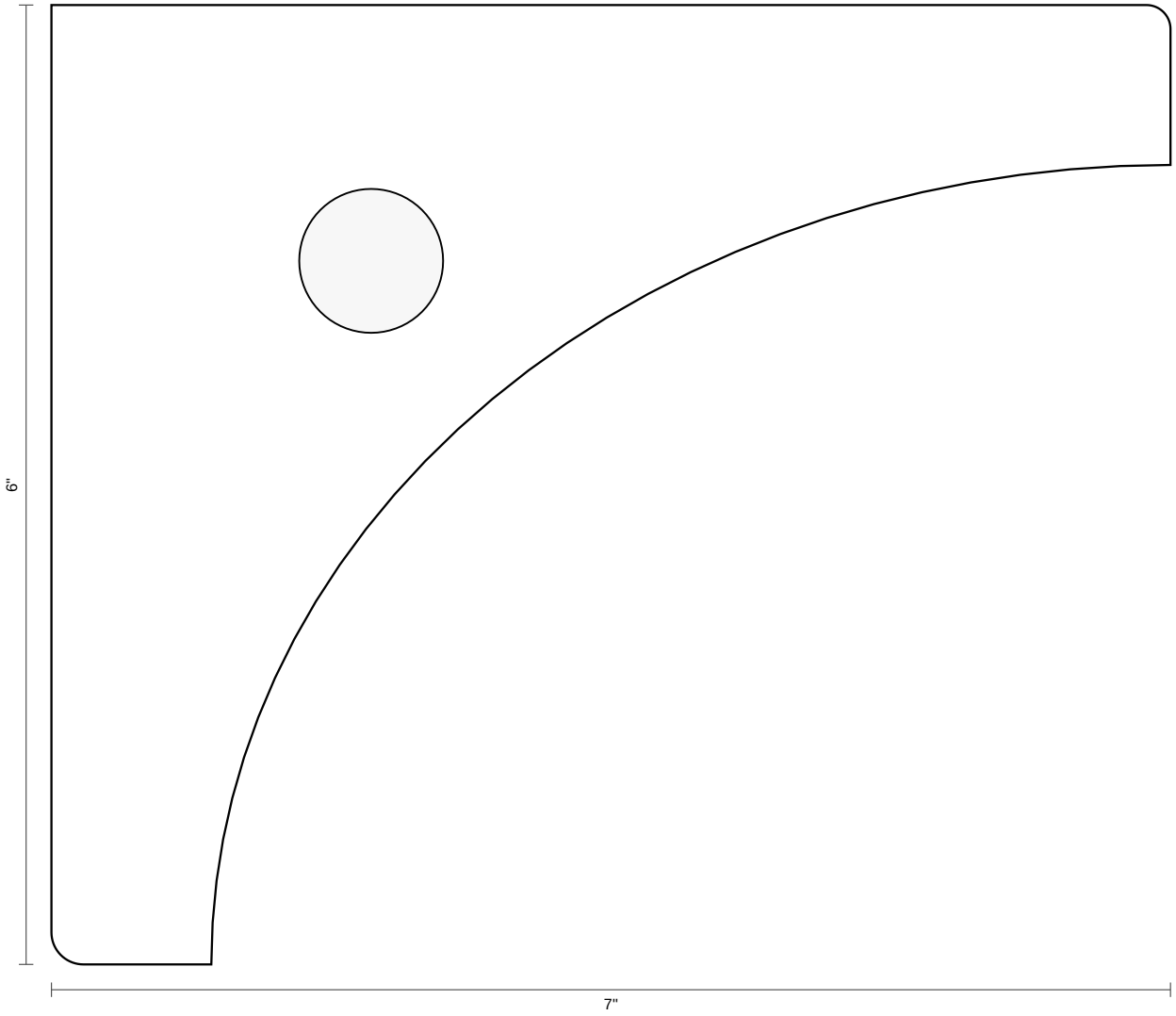
Shelf Brackets

A pair of 7" x 6" corbels with a sweeping cove underneath, for shelves up to about 8" deep.

Bracket (make 2) - 3/4" stock



Machine & stock

CNC router, 1/4" end mill. The round cutout is decorative and lightens the look.

The back edge goes against the wall; the top edge carries the shelf.

Hardware

Two #10 x 3" screws per bracket into a stud, through counterbored holes you drill in the back edge by hand; or pocket-hole screws from the side.

Two #8 x 1-1/4" screws per bracket up into the shelf.

Steps

1. Profile both brackets with the cutout.

2. Lay out and drill two counterbored holes square into the back edge of each bracket (a drill guide or drill press helps).

3. Round over the cove edge, sand, and finish to match the shelf.

4. Screw the brackets to studs, level, then screw the shelf down onto them.

VCarve toolpaths (in this order)

Profile, Inside, layer PROFILE_INSIDE_0.750: cut depth 0.750" (through), 1/4" end mill.

Profile, Outside, layer PROFILE_OUTSIDE_0.750: cut depth 0.750" (through), 1/4" end mill, with tabs.

Files

dxf/shelf-brackets.dxf

Plan view, drawn at about 1:1.1. Grey = pocket (depth noted), dashed = underside pocket, light fill = through cut. Cut files are full size.