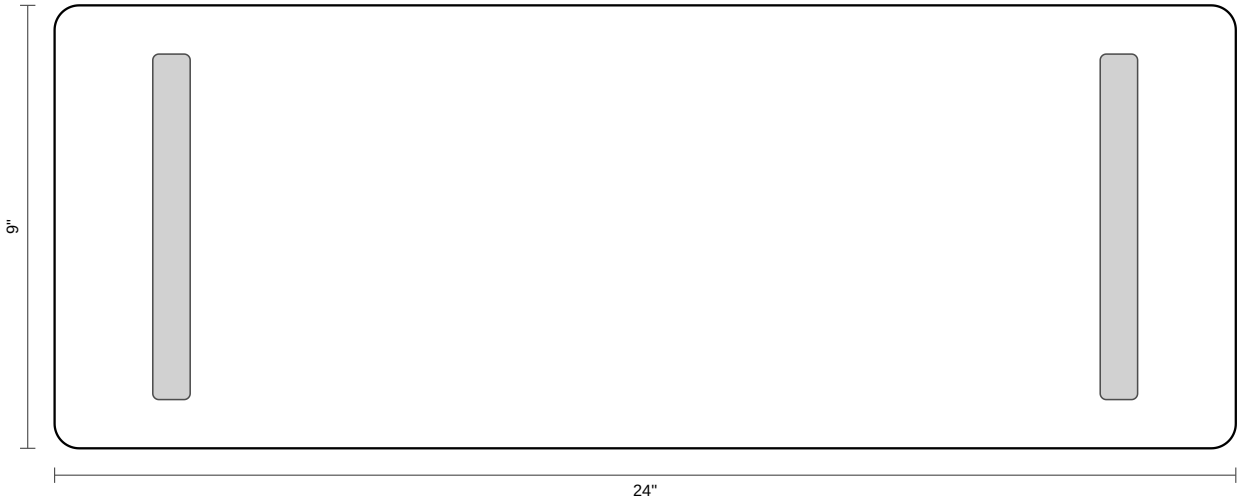
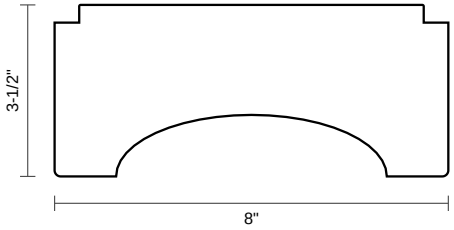
Monitor Riser

24" x 9" shelf, 3-7/8" tall. Arched legs leave room for a keyboard or cables underneath.

Top - 3/4" stock



Leg (make 2) - 3/4" stock



Machine & stock

CNC router, 1/4" end mill for profiles and dados. Drawn for 3/4" stock with 0.01" dado clearance.

Dados are cut into the face you machine; that face becomes the underside.

Steps

1. Cut the two dados 3/8" deep in the top, then profile all three parts with tabs.

2. The dados have rounded ends from the bit. Round the four corners of each leg tenon with a file or sandpaper until it seats.

3. Dry fit, then glue the tenons into the dados. Clamp lightly and check the legs are square.

4. Round over the top edges with a 1/8" roundover bit or sandpaper and finish with DuraGrain Hardwax Oil (0.0 g/L VOC Tung, Walnut & T1 Carnauba finish).

VCarve toolpaths (in this order)

Pocket, layer POCKET_0.375: cut depth 0.375", 1/4" end mill. Select every vector on the layer together so islands are left standing.

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

Files

dxf/monitor-riser.dxf

Plan view, drawn at about 1:3.9. Grey = pocket (depth noted), dashed = underside pocket, light fill = through cut. Cut files are full size.