

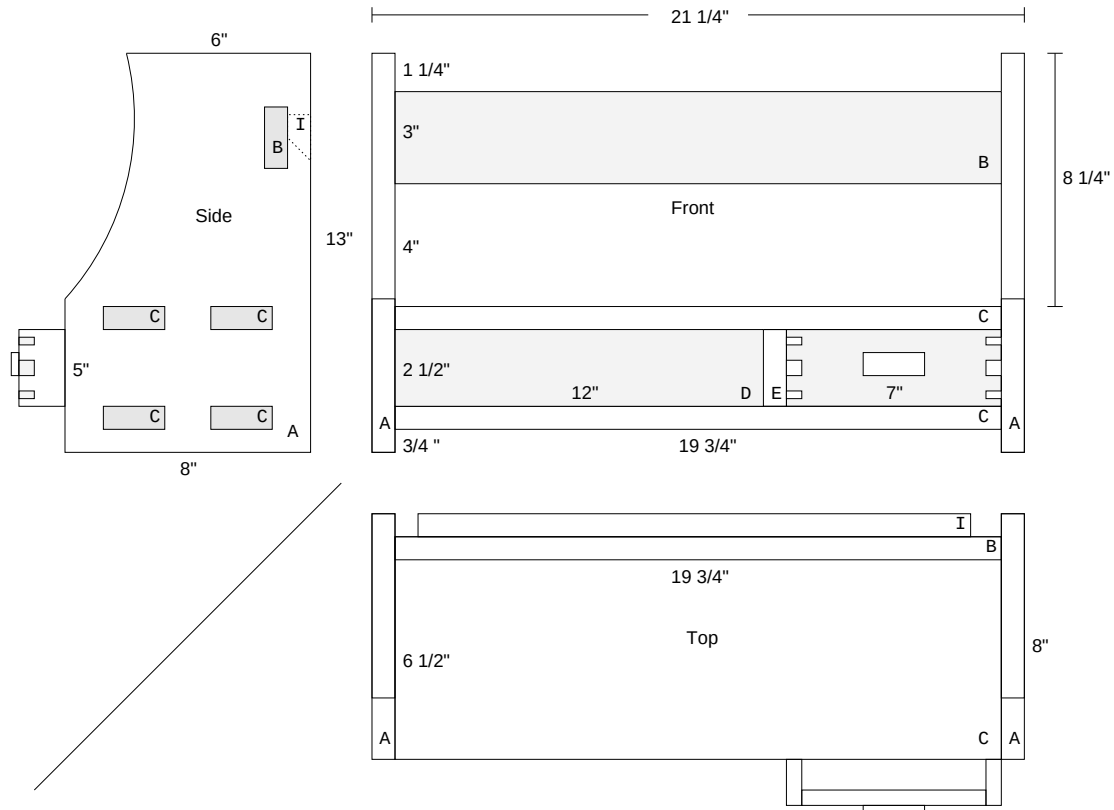
Krenov-Style Wall Hung Shelves

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1 Introduction

These shelves are patterned after the wall hung shelves in James Krenov's book *A Cabinetmaker's Notebook*, page 37.

2 Plan



Note that the through tenons shown on the Side View diagram should be 3/8 inches thick rather than the 3/4 inches shown on the plans.

3 Cut List

Key	Qty	Description	T	W	L	Notes
A	2	Side panels	3/4	8	13	Curve on front edge, through mortises as shown, rabbit for back panel
B	1	Back support	3/4	3	21 1/4	2 inch tenons on ends
C	2	Shelves	3/4	8	21 1/4	Two 2 inch tenons on the ends, 3/8 rabbit for back panel, 3/8 inch stopped dado or sliding dovetail for cross member
D	1	Back panel	1/4	3 1/4	20 1/2	Fits into 3/8 rabbit in the back
E	1	Cross member	3/4	3 1/4	7 3/4	Fits into 3/8 stopped dado in shelves (or sliding dovetail)
F	2	Drawer front & back	1/2	2 1/2	7	Dado for drawer bottom
G	2	Drawer sides	1/2	2 1/2	7 3/4	Dado for drawer bottom
H	1	Drawer bottom	1/4	7 1/2	8 1/4	Fits into dado in front and sides
I	2	Hanging hardware	3/4	1	18	Rip a 2 inch piece in half at an angle

Drawer parts (F through H) are not labelled on the plans. Project uses approximately 6 board feet if all wood is purchased in 4/4 width and planed down to the correct thickness. If boards more than 8 inches wide cannot be found, wider boards can be formed by jointing two narrow boards together.

The shelves and back support are fitted to the sides using through mortise and tenon joints, and the cross member is fitted between the shelves using stopped dados or a sliding dovetail joint. Tenons should be 3/8 inches thick and dados are the full width of the boards. The back panel fits into a 3/8 inch rabbit cut into the sides and the shelves. The drawer is built using through dovetails with a dado for the drawer bottom.

To hang the shelves, a 2 inch by 18 inch piece of 3/4 stock is ripped in half at an angle. The narrow side of one of these pieces is attached to the back support as shown in the plans (I on the side and top view diagrams) such that the shelves can be set onto the other half after it is attached to the wall.

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