

Build a Cabinet with George Vondriska



A great “cheat” to help your designs look good is to use the Golden Proportion, which leads to a Golden Rectangle. The proportion is 1.6:1, meaning this cabinet is 1.6 times taller than it is wide.

The show cabinet was built from spalted maple and sapele, creating a nice color contrast in the project.

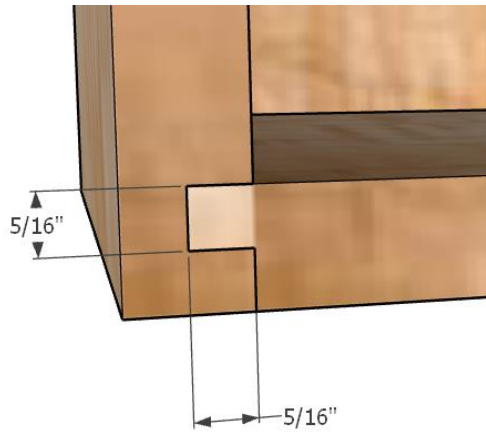


European hinges create a clean look, with no hardware showing on the front of the project.

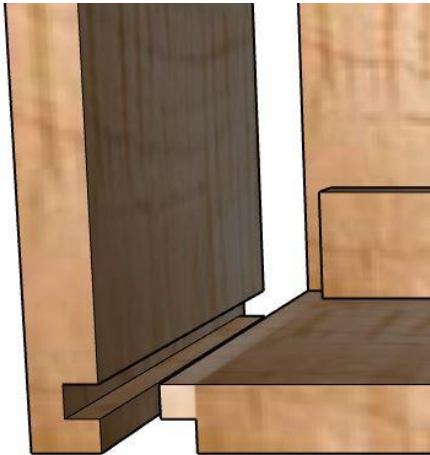
Screw rails provide the rigidity you need to fasten the cabinet to a wall. These pieces are glued to the inside faces of the top and bottom.

The adjustable shelf provides versatility.

Use 1” wood screws to fasten the top and bottom to the case.

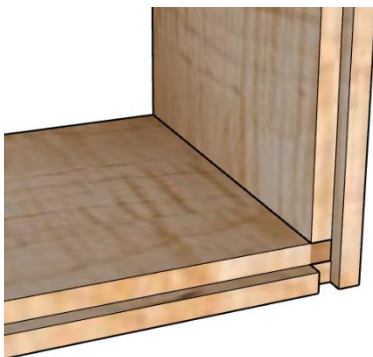


The dimensions of the lock rabbet joint are based on material thickness. Use a router bit whose diameter is equal to half the material thickness, and make the tongue length the same dimension. Or, if using a slot cutter, the width of the cutter should be half the material thickness.



Essentially a tongue and groove joint, this is a very strong way to put boxes together. Once you get the hang of the router table set up it's very fast and easy to make.

This is an excellent joint for drawer construction.



Before assembly, rabbet the back edges of the case sides to receive the cabinet back. Width of the rabbet is half the thickness of your material. Depth is slightly more than the thickness of the back.



The top overhangs the sides by $\frac{1}{2}$ " , and the front by $\frac{3}{4}$ " .

A $\frac{1}{4}$ " roundover router bit was used to form the edges of the top, bottom and door. Remember to leave the back edge of the top and back square.

Cut list

Quant	Part	Dimensions	Material	Notes
2	Case sides	5/8" x 6" x 19-1/4"	Solid wood	Rabbet the back edge. Adjustable shelf holes
2	Case top and bottom	5/8" x 6" x 11-3/8"	Solid wood	Rabbet the back edge Drill and countersink for screws for top and bottom
1	Adjustable shelf	5/8" x 5-5/8" x 10-5/8"	Solid wood	Round over front edges
2	Top and bottom	5/8" x 6-3/4" x 13"	Solid wood	Rout three edges
1	Door	5/8" x 11-3/8" x 18-5/8"	Solid wood	Bore for pull and Euro hinges
2	Screw rails	5/8" x 1-1/4" x 10-3/4"	Solid wood	
1	Back	1/4" x 11-5/16" x 18-9/16"	Plywood	
1 pr	Hinges	Blum 26 mm Half overlay 90-degree frameless.		
1	Pull			
4	Adjustable shelf pins			
8	Screws	#8 x 1"		