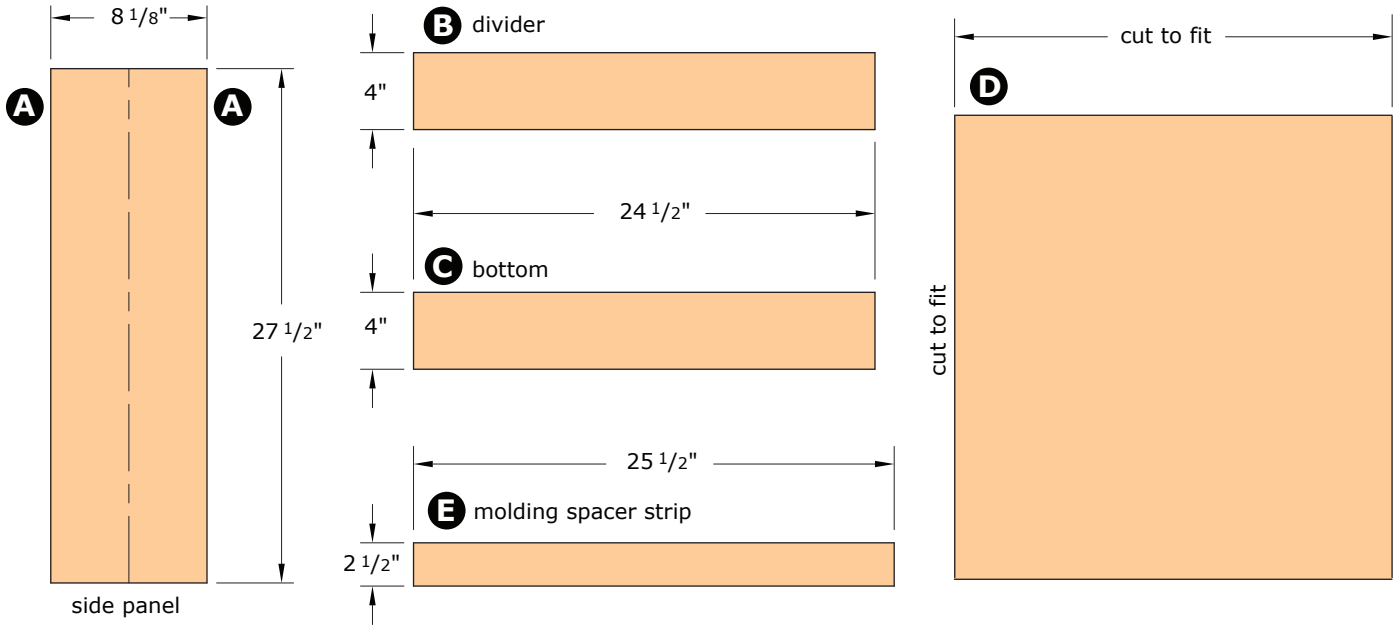
PARTS

A side panel - (1) 3/4" x 8 1/8" x 27 1/2"
(will be ripped into two 4" wide pieces)
B divider - (1) 3/4" x 4" x 24 1/2"
C bottom - (1) 3/4" x 4" x 24 1/2"
D back panel - (1) 1/2" plywood - cut to fit
E molding spacer strip - (1) 3/4" x 2 1/2" x 25 1/2"
F molding - cut to fit
G top - (1) 3/4" x cut to fit
H door frame - sides - (4) 3/4" x 2 3/8" x 24 7/8"
I door frame - top rails - (2) 3/4" x 2 3/8" x 9 1/2"
J door frame - bottom rails (2) 3/4" x 3" x 9 1/2"
K door panels - (2) 1/2" plywood - cut to fit
L dart holders - (2) 1" x 1 1/4" x 4 3/4"

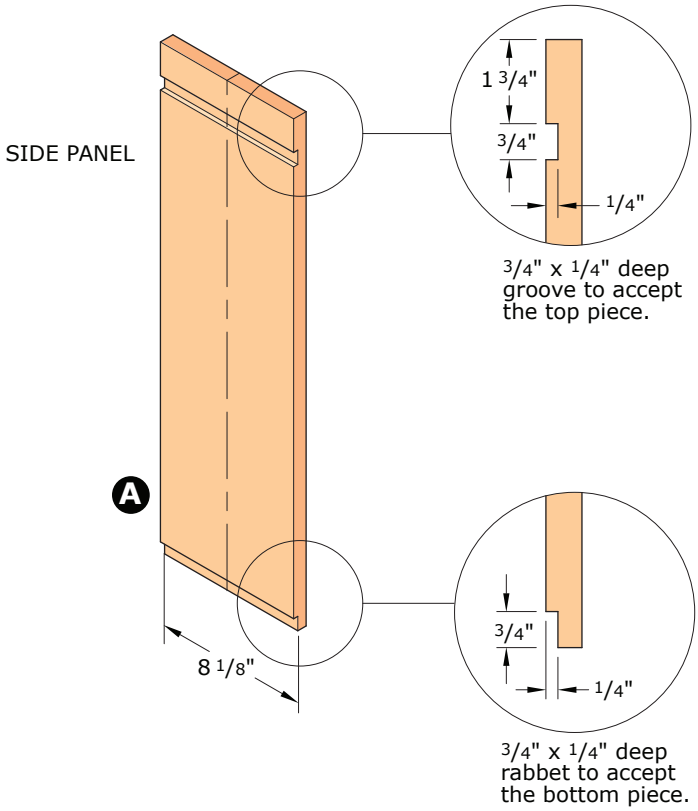
CABINET FRAME & BACK

Breakout the side panel, divider, bottom and molding spacer strip and plane them to 3/4" thick.
Leave the sides in one piece for now to make machining the joints easier.



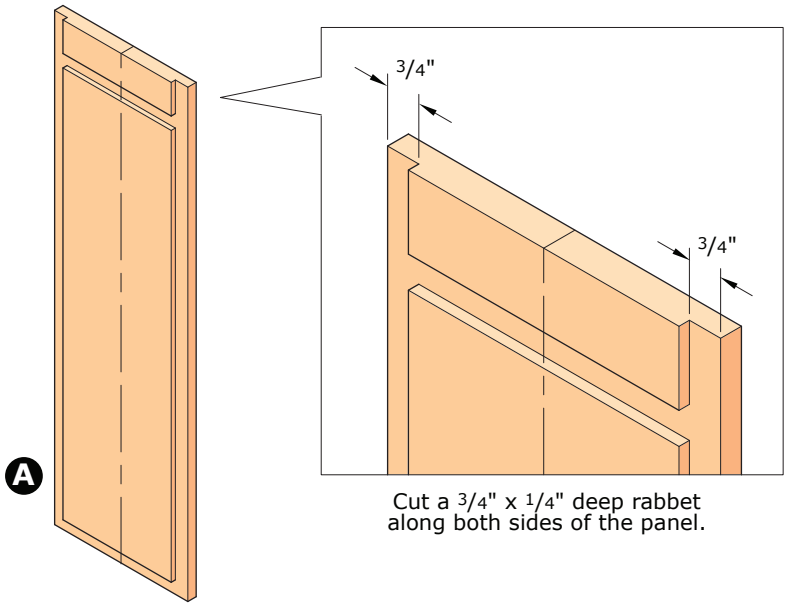
In the side panel, cut a 3/4" x 1/4" deep groove to accept the top piece and a 3/4" x 1/4" deep rabbet to accept the bottom piece.

Then cut a 3/4" x 1/4" deep rabbet on each side of the panel to accept the back piece. Now rip the panel in half for two 4" wide sides.



3/4" x 1/4" deep groove to accept the top piece.

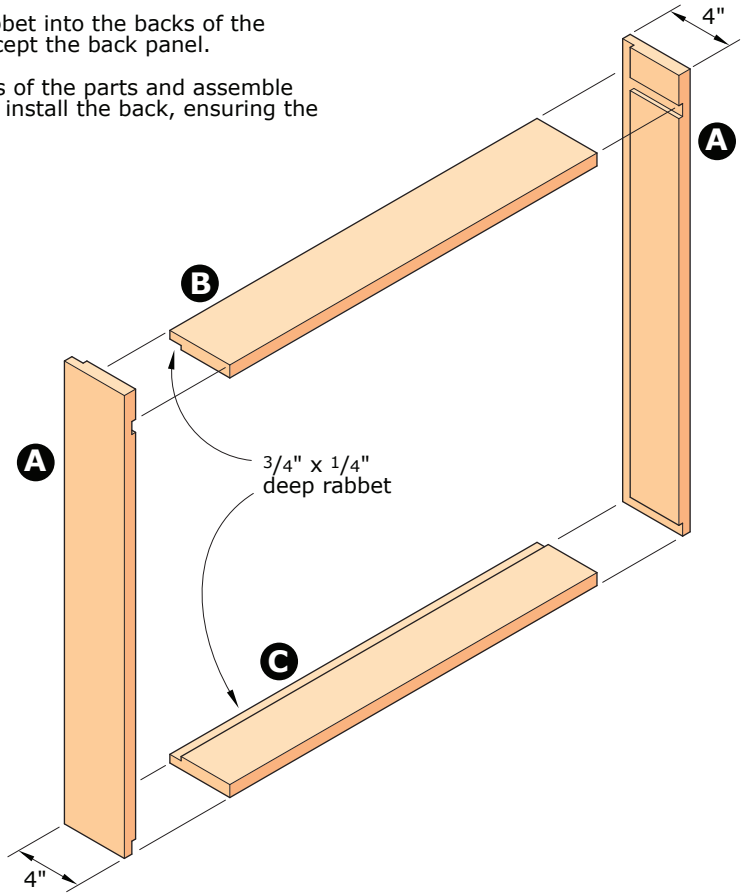
3/4" x 1/4" deep rabbet to accept the bottom piece.

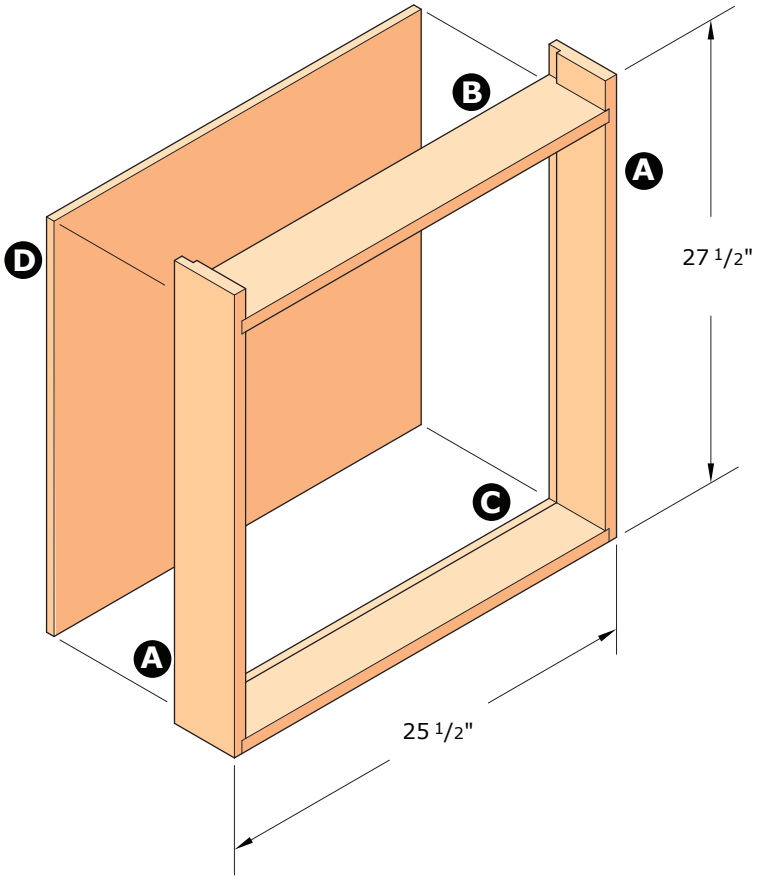


Cut a 3/4" x 1/4" deep rabbet along both sides of the panel.

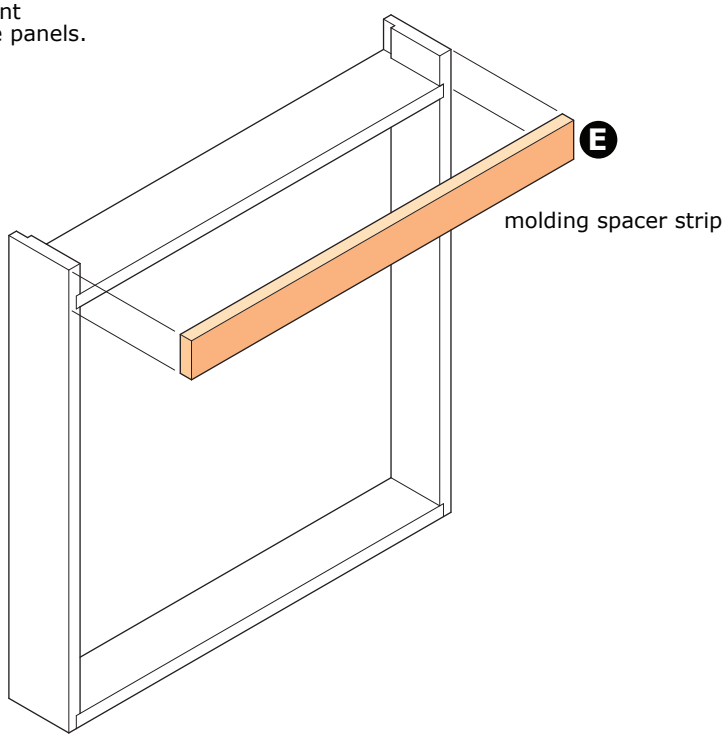
Cut a 3/4" x 1/4" deep rabbet into the backs of the divider and bottom to accept the back panel.

Sand the interior surfaces of the parts and assemble the frame. Cut, sand and install the back, ensuring the cabinet is square.





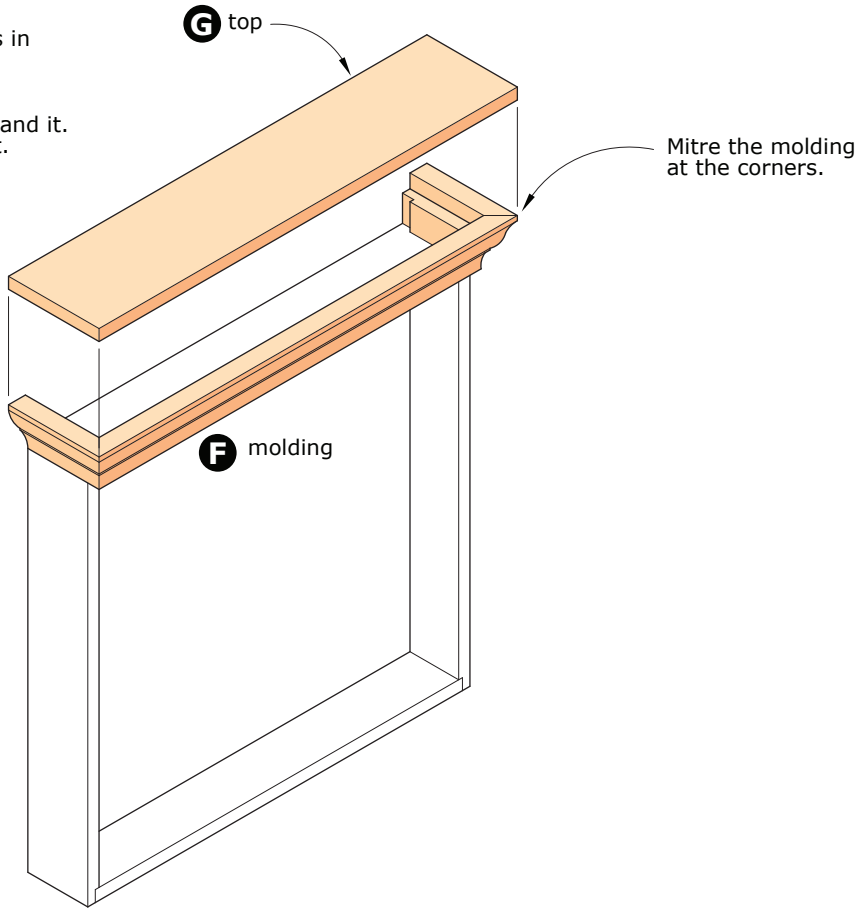
Glue the molding spacer strip to the front making it flush with the tops of the side panels.



MOLDING & TOP

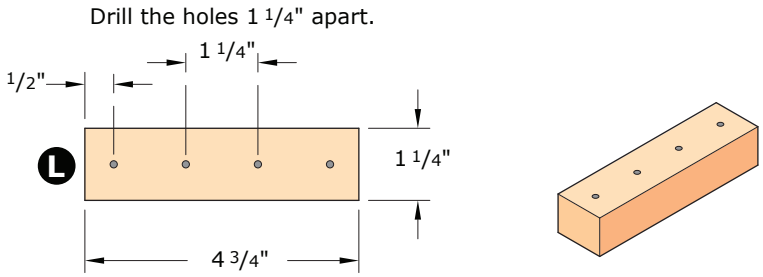
Machine and assemble the molding as in photos 3, 4 and 5 or use ready-made molding and cut to fit.

Machine the top to finished size and sand it. Glue and clamp the top to the cabinet.



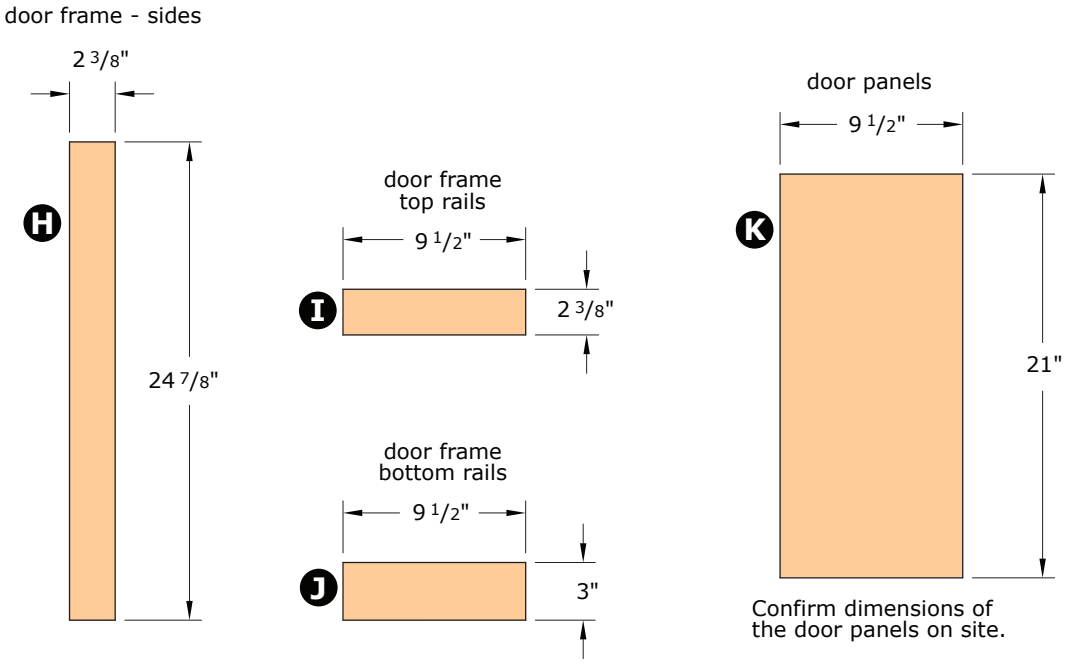
DART HOLDERS

Drill four holes 1/8" diameter x 3/4" deep.



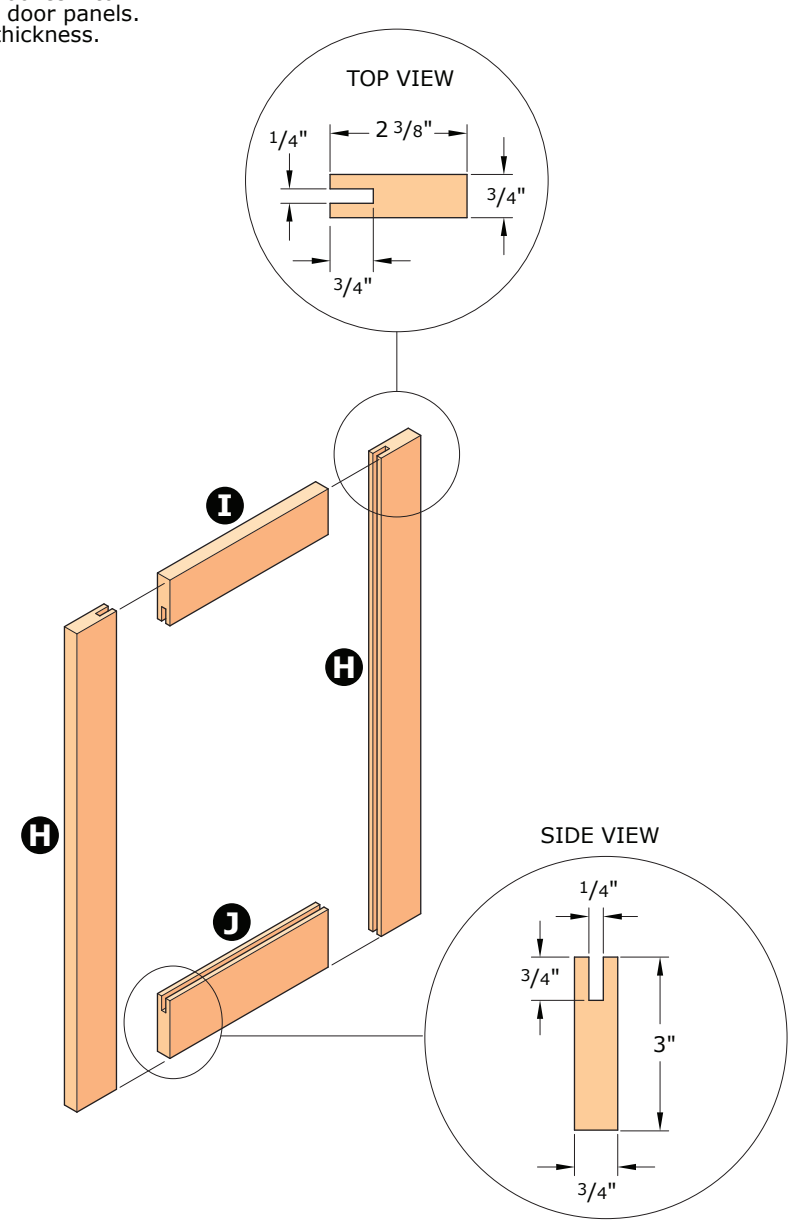
DOORS

Plane the door frame parts to 3/4" thick.
Then cut the frame pieces to finished width and length.



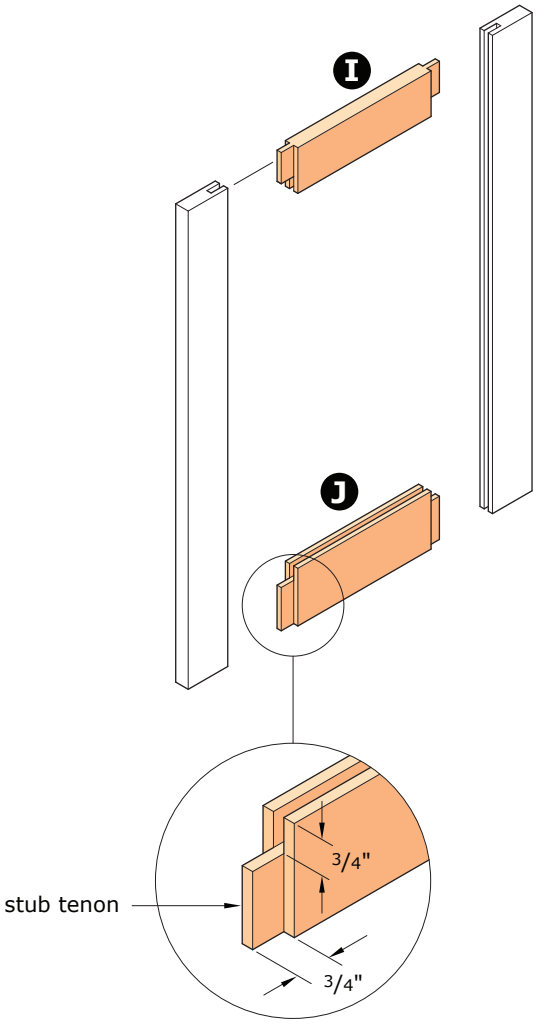
DOOR FRAME

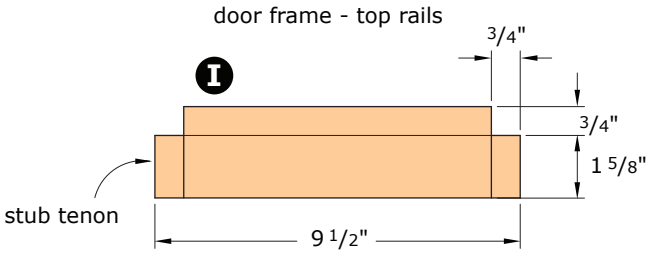
Machine 1/4" wide x 3/4" deep grooves into the sides and rails to accept the door panels. Centre the grooves on the 3/4" thickness.

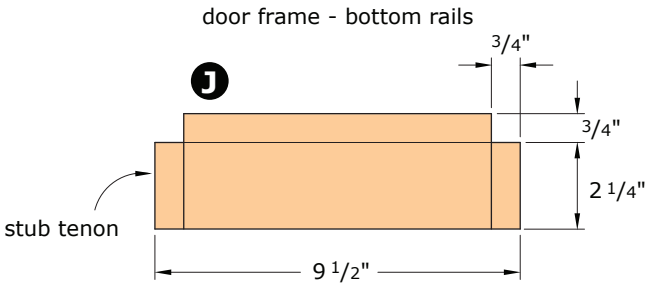


DOOR RAILS - STUB TENONS

Machine stub tenons into the ends of the door rails. These tenons will fit into the grooves in the side frame pieces and will hold the frame together.





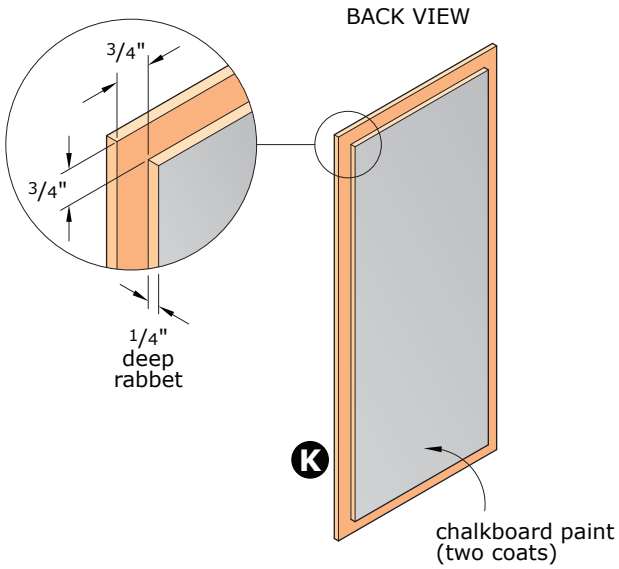


The door width should be 12 3/4" wide. Test fit the rail tenons into the side frames to ensure this door width.

DOOR PANELS

Cut 3/4" wide x 1/4" deep rabbets around all four of the back edges. Sand the front and back faces of the panels.

Paint the backs of the door panels with two coats of chalkboard paint.
Mask the rabbets before painting.

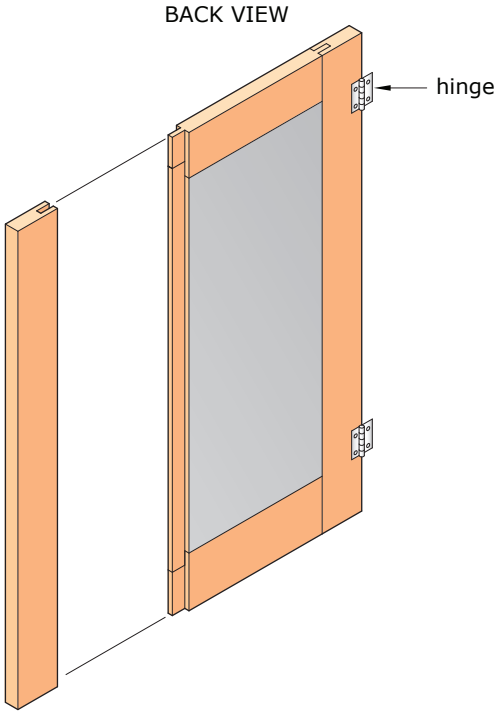


DOOR ASSEMBLY

Assemble the door panels and frames with glue and clamps.

Rout hinge mortises into the cabinet sides and backs of the doors and test fit the doors onto the cabinet.

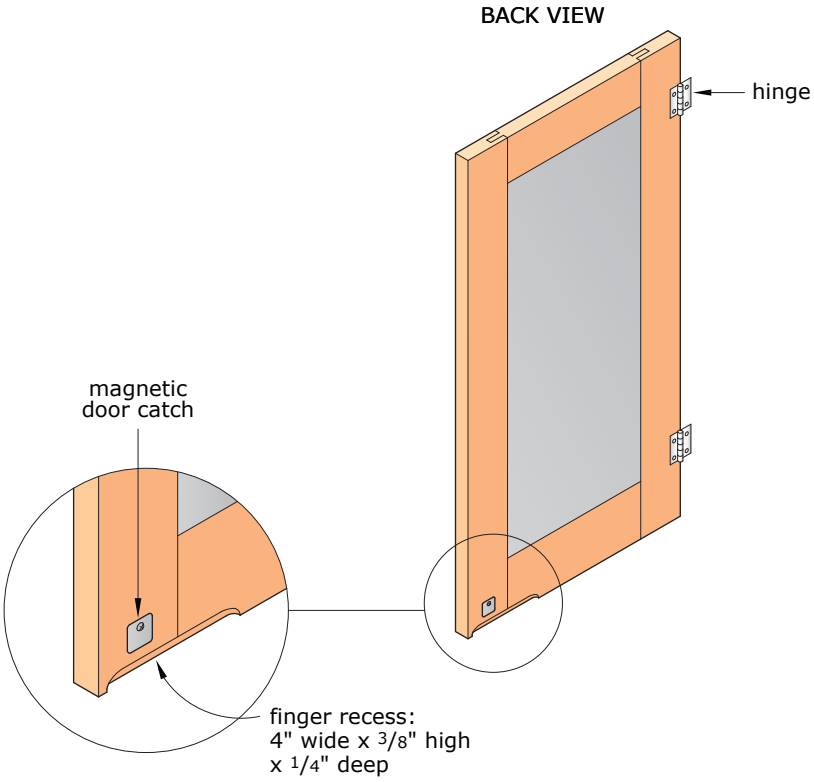
Make any necessary cuts to ensure even gaps around the doors.



MISCELLANEOUS

Rout finger recesses on the lower edges of the doors.

Install magnetic door catches on the backs of the doors and on the inside of the cabinet.



FINISHING & INSTALLATION

Sand all parts and prep for finishing.
Apply a finish, sanding between coats.

Hang the cabinet on the wall by driving screws through the back and into studs.

Reinstall the doors.