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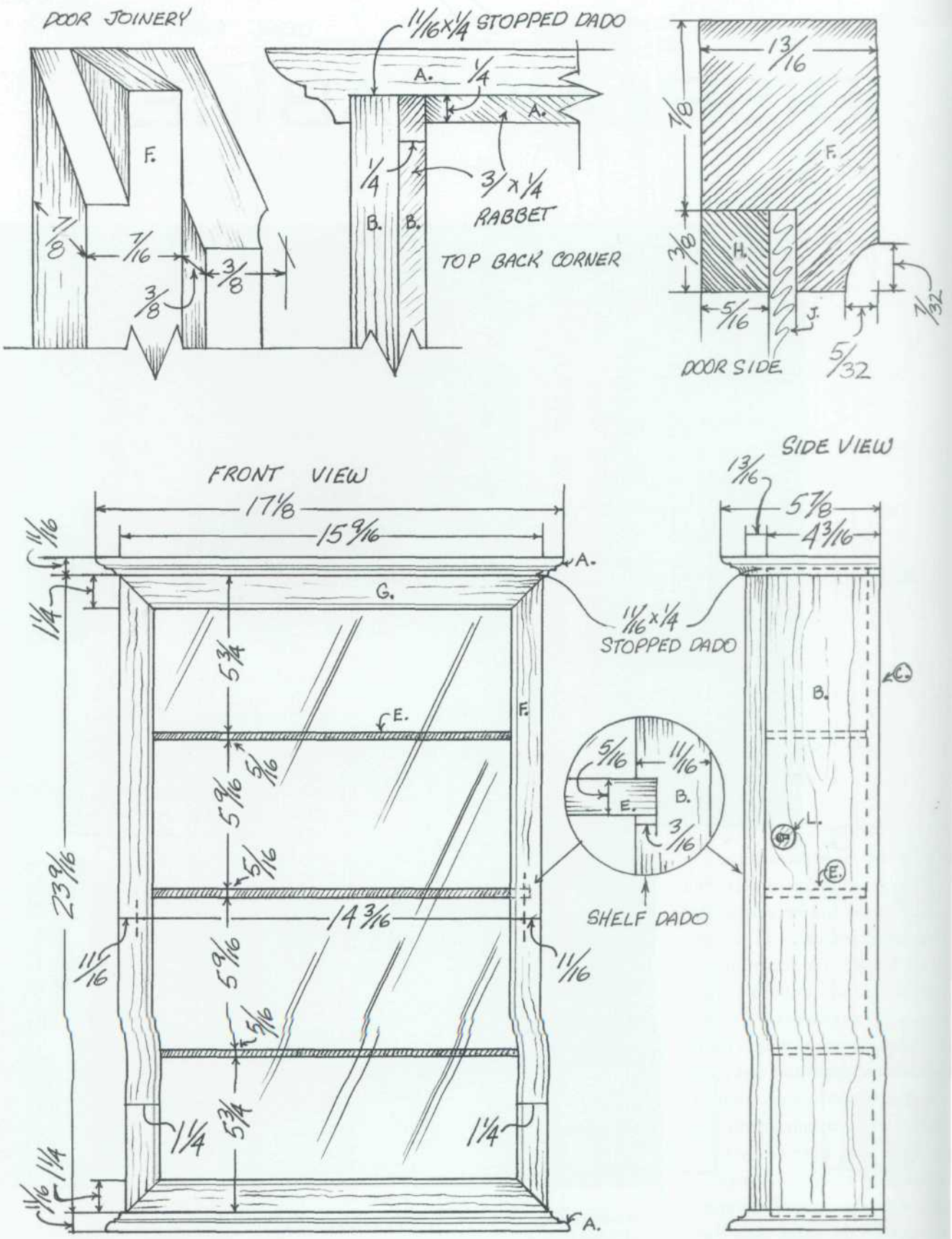
DISPLAY CABINET

Cherry


DOOR JOINERY
F.
1/8
7/16
3/8
3/8
11/16 x 1/4 STOPPED DADO
A.
1/4
A.
1/4
3/8 x 1/4
RABBET
B.
B.
TOP BACK CORNER
13/16
1/8
F.
3/8
H.
5/16
J.
7/32
DOOR SIDE
5/32
FRONT VIEW
17 1/8
15 9/16
11/16
1/4
A.
G.
5 3/4
E.
F.
5 9/16
5/16
5/16
23 9/16
14 3/16
5 9/16
11/16
11/16
5/16
5 3/4
1/4
1/4
1/4
11/16
A.
SIDE VIEW
13/16
5 7/8
4 3/16
11/16 x 1/4
STOPPED DADO
B.
C.
5/16
11/16
B.
E.
3/16
L.
E.
SHELF DADO

miter. This spline not only increases the glue surface; it also allows face grain to be glued to face grain. The feathered miter, used in the construction of the Shaker-style mirror, is another variation of the basic miter joint, one offering the same advantages as the splined miter. The mitered bridle joint used in the construction of the door on this cherry display cabinet is still another variation, one including tenons on the door's sides which fit into mortises cut into the miters on the door's top and bottom. This joint offers the strength of tenons which are an actual part of the door's sides. It does, however, provide less glue surface than either the splined or feathered miter joints.

MAKING THE DISPLAY CABINET

After milling the stock to the required thicknesses, lengths, and widths, form the moulded edge on the front and ends of the cabinet top and bottom. Then, cut 11/16" X 1/4" stopped dadoes on the top surface of the bottom and the bottom surface of the top (see chapter five). These dadoes will house the ends of the cabinet sides. Cut a 3/8" X 1/4″ rabbet across the back of the cabinet top and bottom connecting the dadoes. Cut the same rabbet on the back, inside edges of the cabinet sides. These four rabbets will house the perimeter of the cabinet back. Finally, cut three 3/16″ X 5/16" dadoes across the inside surface of the cabinet sides to house the ends of the shelves.

Then assemble the case with glue and screws passing down through the top into the sides, and up through the bottom into the sides. Screw the back to the cabinet sides, top, bottom and the backs of the shelves. These screws pass through oversized holes to allow the back to expand and contract in response to seasonal changes in humidity.

Begin door construction by running the moulded edge on the front inside corner of the frame stock. Cut a 3/8" X 7/16″ rabbet on the back inside edge. Then cut the mitered bridle joint. You can do this with a backsaw and a chisel or with a stack of dado cutters on the table saw, holding the work in a Universal Jig.

The glass is held in its rabbet with the four tack strips.

MATERIALS LIST

A	Top and bottom	2 pcs.	11/16 × 5 7/8 × 17 1/8
B	Side	2 pcs.	11/16 × 4 3/16 × 24 1/16
C	Back	1 pc.	3/8 × 14 13/16 × 24 1/16
D	Cleat	1 pc.	13/16 × 1 1/4 × 14 3/16
E	Shelf	3 pcs.	5/16 × 3 3/16 × 14 9/16
Door			
F	Door side	2 pcs.	13/16 × 1 1/4 × 23 9/16
G	Door top and bottom	2 pcs.	13/16 × 1 1/4 × 15 9/16
H	Vertical tack strip	2 pcs.	1/4 × 3/8 × 21 3/4
I	Horizontal tack strip	2 pcs.	1/4 × 3/8 × 12 15/16
J	Glass	1 pc.	1/8 × 13 3/4 × 21 3/4
Hardware			
K	Hinge	2 pcs.	1 × 1 3/4
L	Lock	1 pc.	1 5/8 × 1 7/8
M	Screws	various	

**These are net measurements. Surplus should be added to door sides to permit joints to be sanded flush.*