

Photos and step-by-step instructions for this project can be found in the August 2020 issue of Woodworker's Journal.



This PDF provides the necessary elevation drawings and plywood cutting diagrams you'll need for building the "Miter Saw Station," featured on page 30 of the August 2020 issue of *Woodworker's Journal*.

The project requires five 4 x 8 sheets of 3/4"-thick plywood, plus a small amount of 1/2" plywood for the tray's bottom panel (piece 54) and about a half sheet of 1/4" plywood for the two cabinet door panels (pieces 49) and the drawer bottoms (pieces 43). Alternately, the tray bottom could be made of 1/4" plywood instead of 1/2" material, which would eliminate the need for 1/2" plywood altogether — the choice is up to you.

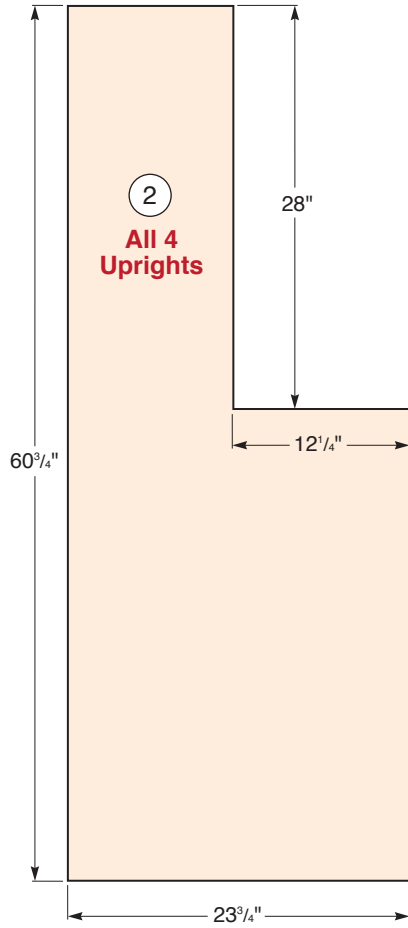
While cutting diagrams are not supplied here for the Miter Saw Station's solid-wood parts, you'll need approximately 50 board feet of lumber to build the project's edging, skirt boards, face frames, cabinet doors, drawers and pull-out tray. For best appearance, choose lumber of the same species as the face veneer of the plywood you plan to use. The Miter Saw Station shown here and in the article photos is constructed of maple plywood and solid-maple lumber, but pine, birch, oak, cherry or other common lumber species are suitable options, too.

Notice that the cabinet door panels have an outer facing of galvanized steel. Some home centers stock craft-size panels of steel that would work for these purposes. However, we ordered a 24" x 36" sheet (item 13269) online at www.OnlineMetals.com. It's sufficient for making two door panels.

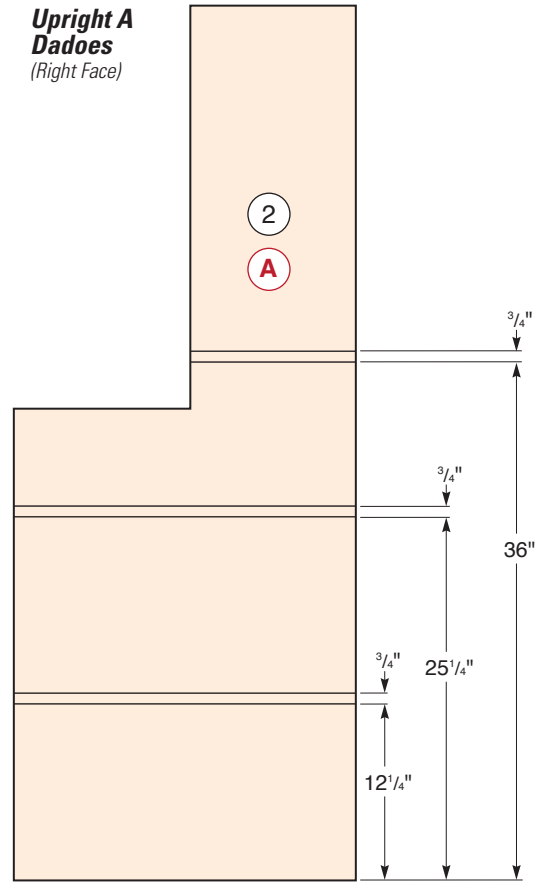
When laying out dadoes in uprights A, B and C/D, follow the elevation drawings very carefully. The number and location of the dadoes varies, depending on the specific upright. For instance, upright B, unlike A or C/D, has dadoes in both of its faces: one for the upper cabinet bottom in its left face and two narrow shelf dadoes in its right face.



**Uprights
Notch Layout**
(Side View)



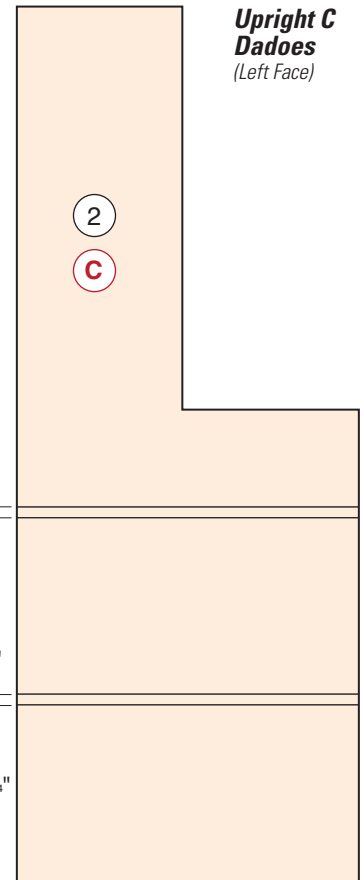
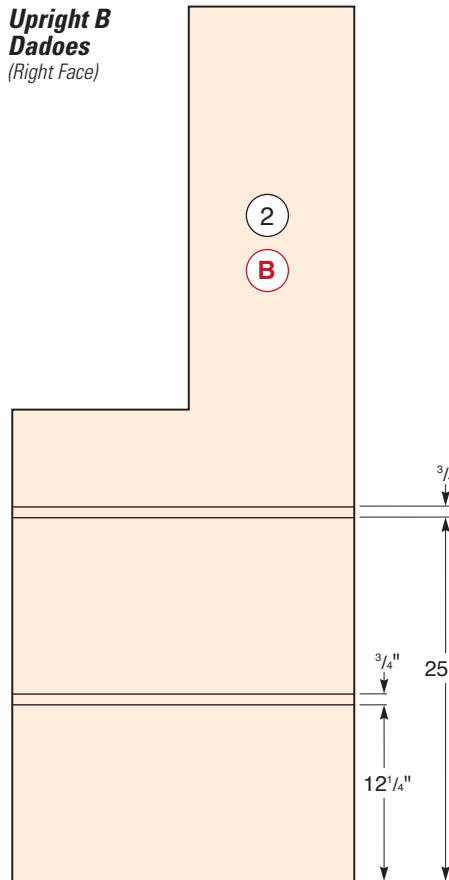
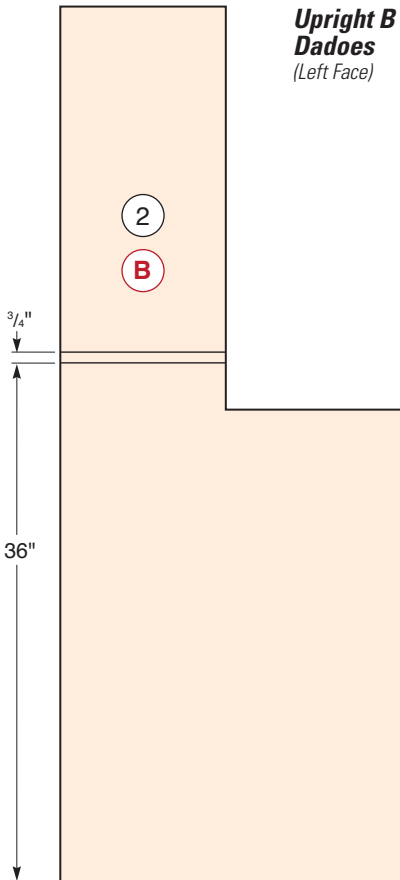
**Upright A
Dadoes**
(Right Face)

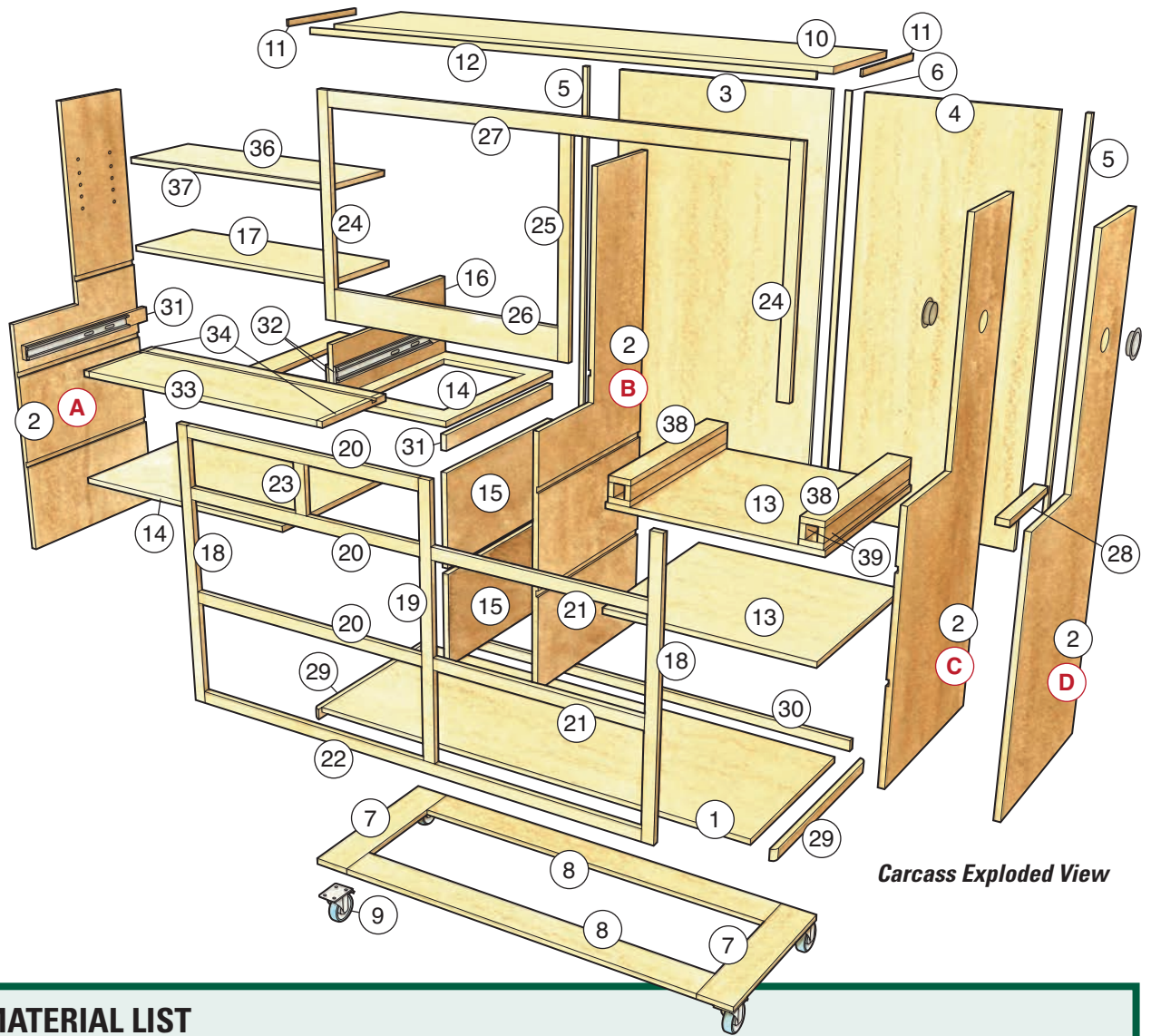


**Upright B
Dadoes**
(Left Face)

**Upright B
Dadoes**
(Right Face)

**Upright C
Dadoes**
(Left Face)





Carcass Exploded View

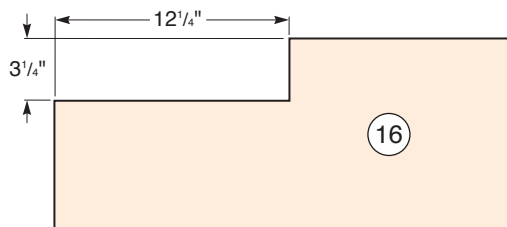
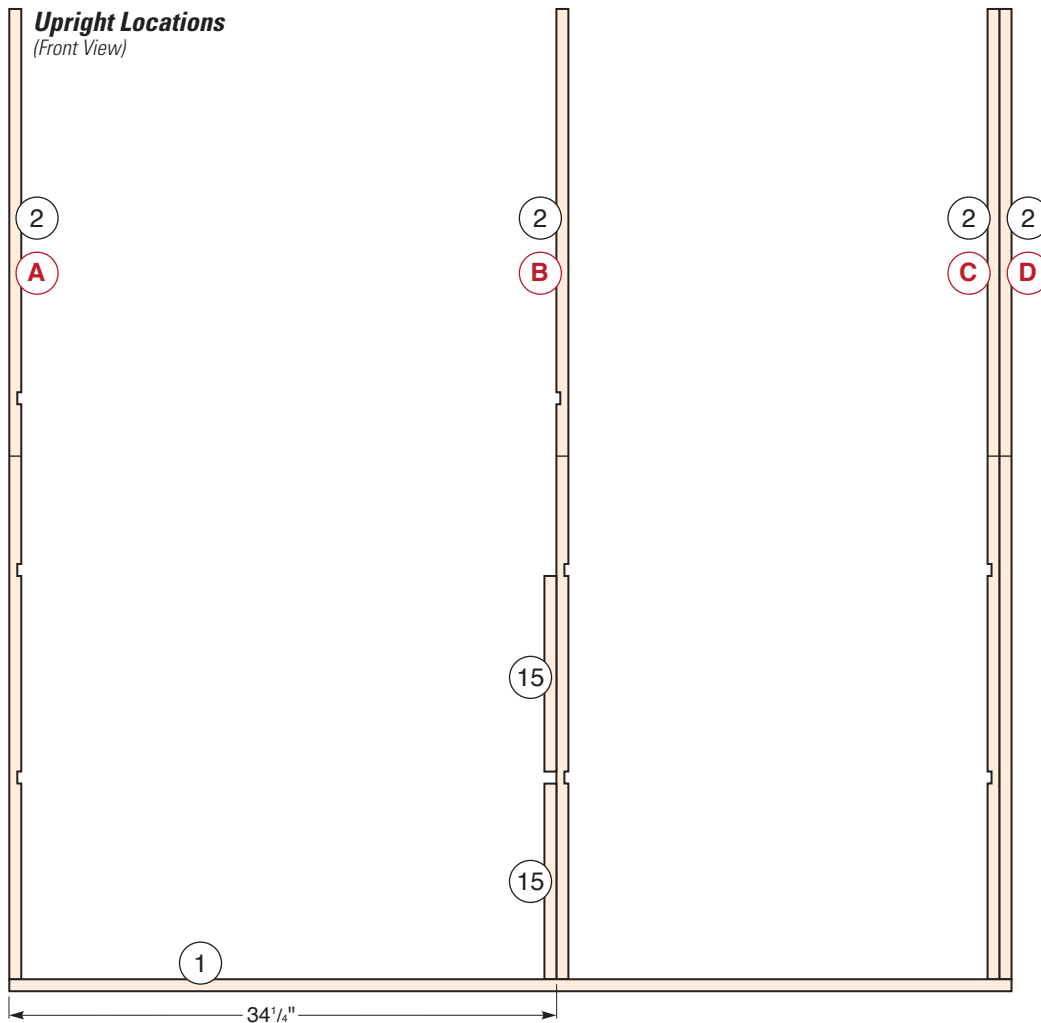
MATERIAL LIST

Carcass

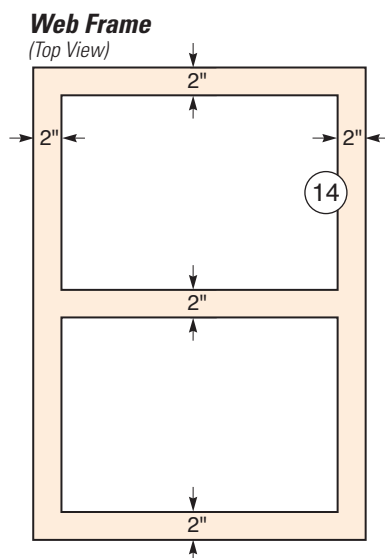
	T x W x L
1 Bottom (1)	3/4" x 23 3/4" x 62 3/4"
2 Uprights (4)	3/4" x 23 3/4" x 60 3/4"
3 Wide Back Panel (1)	3/4" x 33 7/8" x 62 1/4"
4 Narrow Back Panel (1)	3/4" x 27 3/8" x 62 1/4"
5 Back Panel Edging (2)	3/4" x 3/4" x 62 1/4"
6 Spline (1)	1/4" x 1" x 62 1/4"
7 Bottom Cleats, Short (2)	3/4" x 5" x 23 3/4"
8 Bottom Cleats, Long (2)	3/4" x 5" x 52 3/4"
9 Casters (4)	4"-Dia. Swiveling, Locking
10 Top (1)	3/4" x 13 1/2" x 64 1/4"
11 Top Edging, Short (2)	1/4" x 3/4" x 13 1/2"
12 Top Edging, Long (2)	1/4" x 3/4" x 64 1/4"
13 Narrow Shelves (2)	3/4" x 23 3/4" x 26 3/4"
14 Wide Shelf, Web Frame (2)	3/4" x 23 3/4" x 33 3/4"
15 Shelf Supports (2)	3/4" x 12 1/4" x 23 3/4"
16 Drawer Divider (1)	3/4" x 10" x 23 3/4"
17 Upper Cabinet Bottom (1)	3/4" x 11 1/2" x 34"
18 Face Frame End Stiles (2)	3/4" x 1 1/2" x 35"
19 Face Frame Center Stile (1)	3/4" x 1 1/2" x 33 1/2"
20 Face Frame Rails, Long (3)	3/4" x 1 1/2" x 32"

	T x W x L
21 Face Frame Rails, Short (2)	3/4" x 1 1/2" x 26 1/4"
22 Face Frame Bottom Rail (1)	3/4" x 1 1/2" x 59 3/4"
23 Face Frame Drawer Stile (1)	3/4" x 1 1/2" x 6"
24 Face Frame End Stiles (2)	3/4" x 1 1/2" x 28"
25 Face Frame Center Stile (1)	3/4" x 1 1/2" x 26"
26 Face Frame Bottom Rail (1)	3/4" x 4" x 32"
27 Face Frame Top Rail (1)	3/4" x 2" x 59 3/4"
28 Bridge Rail (1)	3/4" x 1 1/2" x 11 1/2"
29 Side Skirt Boards (2)	3/4" x 1 1/2" x 26"
30 Back Skirt Board (1)	3/4" x 1 1/2" x 62 3/4"
31 Filler Strips, Thick (2)	3/4" x 2" x 23 3/4"
32 Filler Strips, Thin (2)	3/8" x 2" x 23 3/4"
33 Work Surface (1)	3/4" x 11 1/2" x 33 1/2"
34 Work Surface Edging (2)	3/4" x 3/4" x 11 1/2"
35 T-track (1)	35"
36 Upper Cabinet Shelf (1)	3/4" x 10 3/4" x 33 1/4"
37 Shelf Edging (1)	1/2" x 3/4" x 33 1/4"
38 Blocking (4)	3/4" x 2 7/8" x 23 3/4"
39 Risers (4)	3/4" x 1 3/4" x 23 3/4"

* Width will vary, depending on miter saw



Drawer Divider Notch Layout
(Side View)



Miter Saw Station Hard-to-Find Hardware

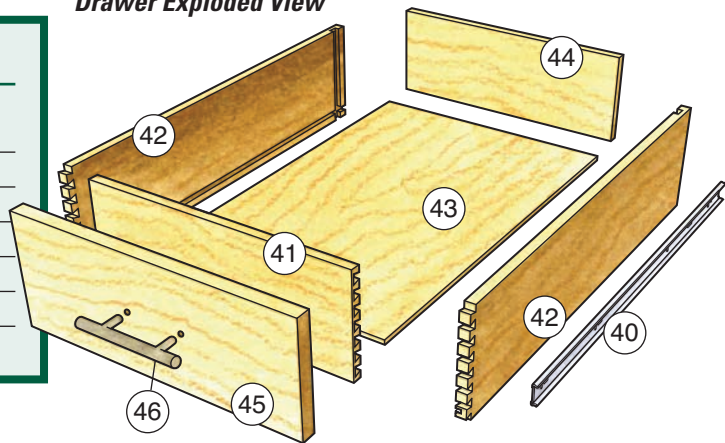
- 4" Polyurethane Casters, Total-Lock Swivel (1) #23030 \$29.99 pr.
- 4" Polyurethane Casters, Swivel Plate Mount (1) #22410 \$24.99 pr.
- 4' Universal T-track (1) #20054 \$29.99 ea.
- 100-lb. Full-extension Drawer Slides, 20" (4) #69876 \$13.99 ea.
- Satin Nickel Ball-tip Full Wrap Inset Hinges, Nickel (2) #27505 \$9.99 pr.
- Narrow Profile Magnetic Catch (2) #26559 \$2.49 ea.
- Hopewell Bar Pull 3 3/4", Satin Nickel (5) #1010954 \$7.34 ea.
- 1/4" Shelf Supports, Nickel (1) #22773 \$4.99 pk.
- 2 1/2" Brown Grommets (2) #51100 \$2.99 ea.
- Nylo-tape, 3/4" (1) #59739 \$14.99 ea.
- Dust Right® 2 1/2" Mountable Dust Coupler (1) #54955 \$9.99 ea.
- Dust Right® Flexiport Power Tool Hose Kit (1) #51170 \$59.99 ea.
- iVac Dust Collector Switch Box (1) #42884 \$49.95 ea.
- T-track Corner Stop (1) #58673 \$34.99 ea.

To purchase these and other products online,
visit www.woodworkersjournal.com/hardware or
call 800-610-0883 (code WJ1577).

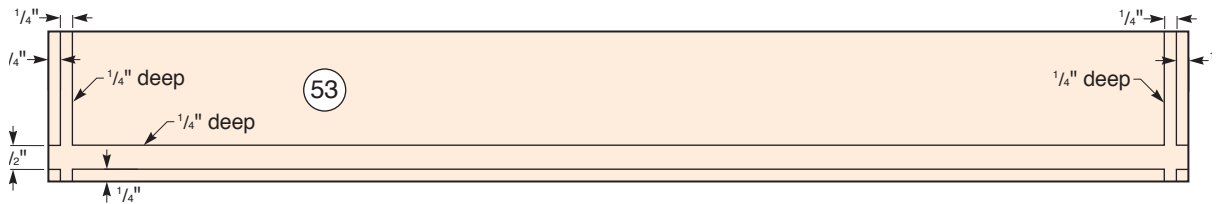
MATERIAL LIST

Drawers	T x W x L
40 Drawer Slides (2 PR.)	20" Full Extension
41 Drawer Fronts (2)	1/2" x 5 1/2" x 14 1/4"
42 Drawer Sides (4)	1/2" x 5 1/2" x 22"
43 Drawer Bottoms (2)	1/4" x 13 3/4" x 21 1/2"
44 Drawer Backs (2)	1/2" x 5" x 13 3/4"
45 Drawer Faces (2)	3/4" x 5 7/8" x 15 1/8"
46 Bar Pulls (5)	4" Nickel Finish

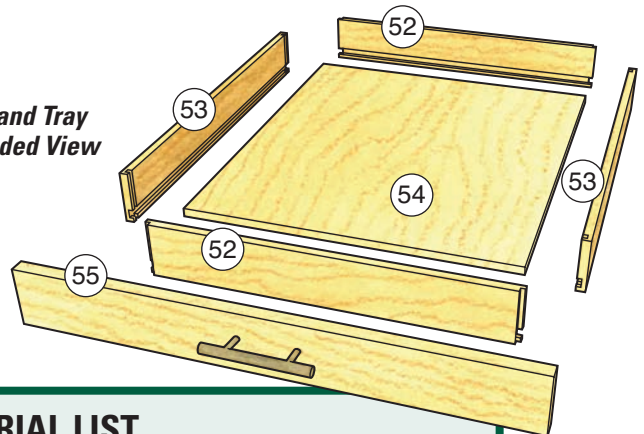
Drawer Exploded View



Tray Side
(Inside View)



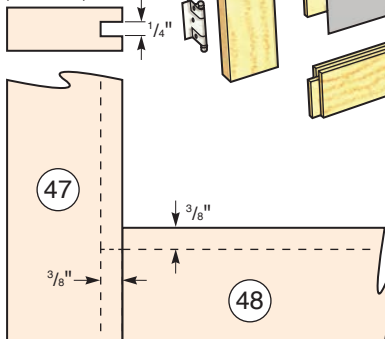
Door and Tray
Exploded View



MATERIAL LIST

Doors & Tray	T x W x L
47 Door Stiles (4)	3/4" x 2" x 21 7/8"
48 Door Rails (4)	3/4" x 2" x 12 5/8"
49 Door Panels (2)	1/4" x 12 5/8" x 18 5/8"
50 Steel Facings (2)	.024 x 12 5/8" x 18 5/8"
51 Hinges	No-mortise, Inset
52 Tray Front, Back (2)	1/2" x 3 1/8" x 20"
53 Tray Sides (2)	1/2" x 3 1/8" x 23 3/4"
54 Tray Bottom (1)	1/2" x 20" x 23 1/4"
55 Tray Face (1)	3/4" x 3 1/4" x 26 1/8"

(End View)

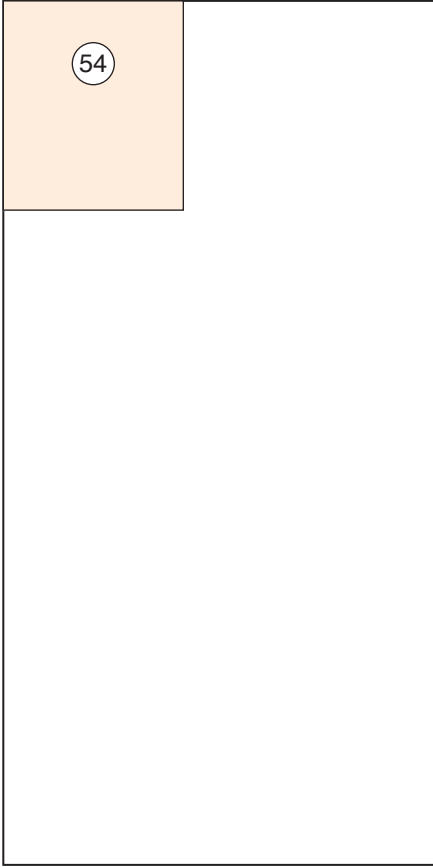


Door Frame
Groove and Tenon
(Front View)

3/4" Plywood Cutting Diagram



1/2" Plywood Cutting Diagram



1/4" Plywood Cutting Diagram

