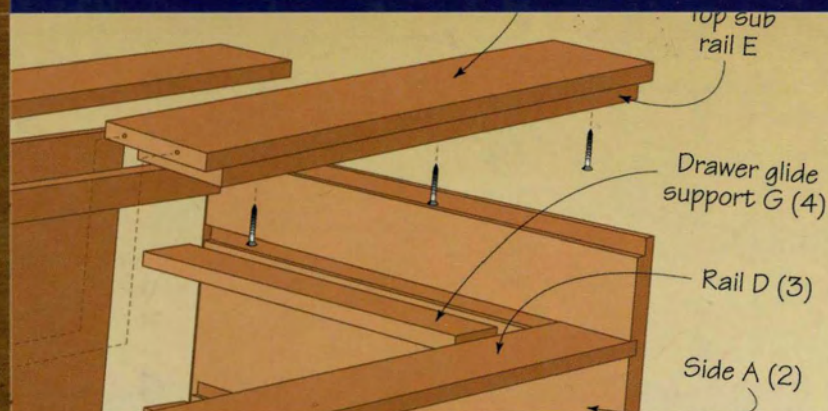




THE COMPLETE CABINET MAKER'S REFERENCE

INCLUDES OVER 160 WORKSHEETS!



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)
A	2	sides	plywood	3/4	(19)	24	(610)
B	1	bottom	plywood	3/4	(19)	24	(610)
C	1	top rail	plywood	3/4	(19)	4	(102)
D	3	rails	plywood	3/4	(19)	3	(76)
E	1	top sub rail	plywood	3/4	(19)	3	(76)
F	1	toe kick	plywood	3/4	(19)	4	(102)
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)
H	1	nailer	plywood	3/4	(19)	3	(76)
I	1	back	plywood	1/4	(6)	11 1/4	(28)
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(139)
			plywood	3/4	(19)	11 1/4	(289)

**Includes material and cutting lists plus
assembly instructions for any cabinet size**

JEFFREY PIONTKOWSKI

THE COMPLETE
CABINET
MAKER'S
REFERENCE

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About the Author

Jeff Piontkowski has been building cabinets since 1975. After high school he continued his education, taking classes in heating and air conditioning. Being offered a job for heating and one for woodworking on the same day, he took the job doing cabinet work and has never looked back. He has built and installed cabinets across the United States (including Alaska). He is currently building a loft in which all the oak used in building the furniture, cabinets, molding and trim comes from trees that grew on the land. The trees were felled, planked, dried and milled within 100 yards of where they grew. Jeff is also a union stagehand and a member of IATSE local #38. He has helped build sets for motion pictures, TV shows and plays.

Acknowledgements

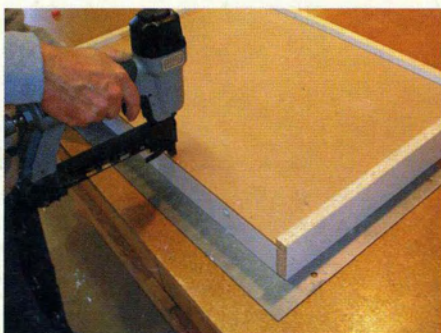
I would like to thank all of my friends, family and neighbors for the support and enthusiasm they have shown me. Monica and Fred, thank you for all the help from the start. Don, Donna, Nicholas and of course Hannah — who could ask for better friends. Sally, thanks for putting up with me. Jerry and Sandy, Beth, John, Lois and Mike, thanks for the support. And last but not least Pat Cragin who helped make this all happen. Dad, I think you would have liked this. (Mom too.)

Special thanks to Sara E. Ruth and Charles Smith and to Delta and Porter Cable for sponsoring this book.

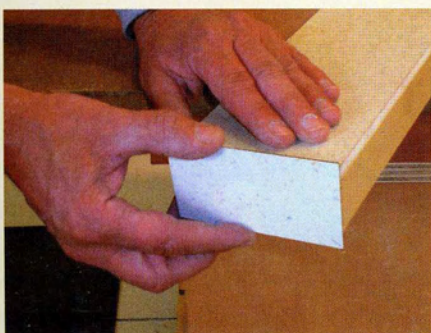
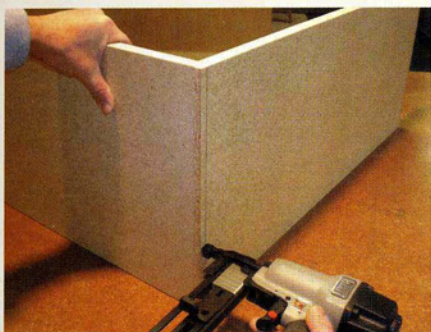
Jim Stack, thank you for the help and for seeing the significance of this book.

Dedicated to the memory of Jim Sidick

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It is said that the hardest part of any job is getting started and with this book, getting started has never been easier.

INTRODUCTION

There are many ways to build cabinets. The methods shown in this book are time tested and proven to work. In this book I will show you step-by-step, piece-by-piece, how to build your own cabinets. You will get the satisfaction of having built them yourself and at a fraction of the cost of buying them. You will learn how to make cabinets for your entire house, including the basement and garage by using less expensive materials. There are complete plans for making cabinets for kitchens and baths including base cabinets, sink bases, drawer bases, bases without drawers, wall cabinets, lazy susans, pantries and corner cabinets. Also included are plans for desks, file cabinets, pencil drawers, bookcases, entertainment centers, dressers and nightstands. You are shown different types of doors and drawers you can build. This book also shows you how to build a basic countertop to finish off your new cabinets.

This is a book for anyone who is just starting out and needs a complete step-by-step introduction into cabinetmaking or for the seasoned cabinetmaker who would like to simplify the drawing time involved in designing cabinets. All layouts are done on a full page and show every piece that is necessary to build each cabinet. Just follow the cutting list. You are shown where all dado cuts need to be, the exact sizes for the drawers, doors and drawer fronts, which means there is nothing to figure. Just pick the type and width of cabinet

you want and you are ready to go. It is said that the hardest part of any job is getting started and with this book, getting started has never been easier.

I know that not everyone has a complete wood working shop at their disposal, so I show you how to build these cabinets with a minimal amount of tools and work-space. You can

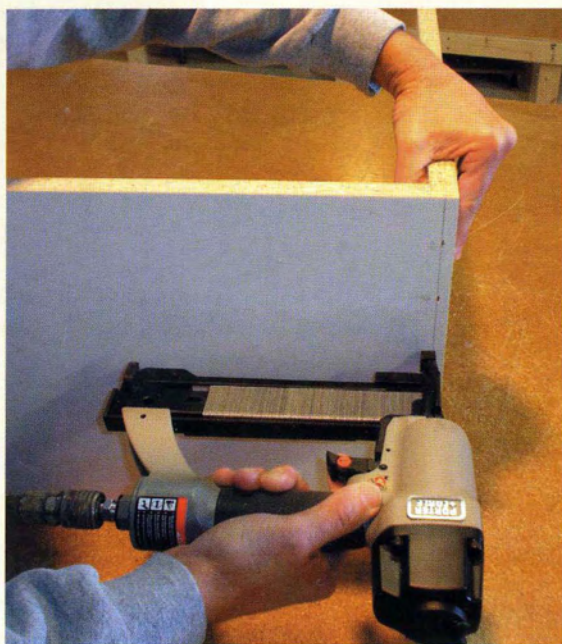


build cabinets without a table saw but it is the one tool that will make cabinetmaking quick and easy. To go with your table saw you will need a sharp blade with 40 teeth and a set of dado blades. If you don't have a set of dado blades, a router set up in a router table will easily cut the dados. The other power tools required to build cabinets are a router, drill, miter saw, belt sander and jigsaw. A compressor and a narrow-crown staple gun can be helpful but are not necessary. You will also need to have some basic hand tools such as a hammer, framing square and clamps.

The optimization illustrations for laying out and cutting cabinet parts are meant to help you visualize how much material is required for the various cabinets. If you are using veneered material to construct your cabinets you will need to pay attention to grain direction and the layout of the parts may or may not match the illustrations. Also, it wasn't possible to show how each project would layout, so use the illustrations as a guide when cutting different sized cabinets.

Just like there are several ways to cut and dado the cabinet parts, there are many ways to assemble the cabinets. When you look at the way I build the cabinets in this book you will notice the top front rail is 4"-wide and the sub rail is 3"-wide. This makes it possible to attach the countertop by screwing up through $\frac{3}{4}$ "-thick material behind the sub rail, the same as the back top rail or corner blocks.

The wall cabinets are made with 1"-deep dados in the sides to accept the back panel as well as the hanging rails, which won't be seen after the cabinets have been installed.



How to use the worksheets

Name/job number Type or style of cabinet needed. Number of cabinets needed per job

Quick-reference thumb tabs

Hardware list shows what and how many are needed for each cabinet being made.

Isometric exploded illustration shows the labeled parts of each cabinet and how the cabinet is assembled.

Color of cabinet

color

finish

Type of finish on cabinet, i.e., high-pressure laminate, lacquer, paint.

Cutting and materials list shows the part label as per the illustration, size of part, type of material and quantity needed for each cabinet being made.

Comments give particular machining operations that need to be done for that individual cabinet part.

B12

JOB **TYPE OF CABINET** **# OF CABINETS** **DATE**

B12

HARDWARE NEEDED:

- 2 95° opening European hinges
- 2 20" full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the door and drawer

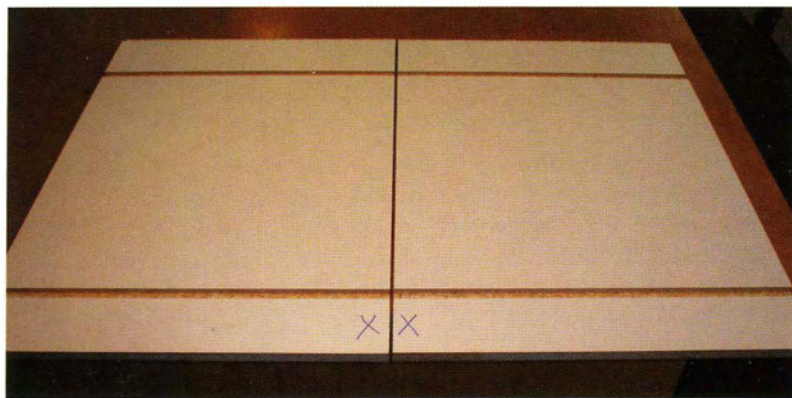
inches (millimeters)

REFERENCE QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A 2	sides	plywood	3/4 (19)	24 (610)	35 1/4 (895)	cut 1/4 x 3/8 dados for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B 1	bottom	plywood	3/4 (19)	24 (610)	11 1/4 (285)	cut 1/4 x 3/8 dado on top back edge
C 1	top rail	plywood	3/4 (19)	4 (102)	11 1/4 (285)	
D 2	rails	plywood	3/4 (19)	3 (76)	11 1/4 (285)	
E 1	top sub rail	plywood	3/4 (19)	3 (76)	10 1/2 (267)	
F 1	toe kick	plywood	3/4 (19)	4 (102)	10 1/2 (267)	
G 2	drawer glide supports	plywood	3/4 (19)	1 1/2 (38)	20 1/4 (527)	
H 1	nailer	plywood	3/4 (19)	3 (76)	10 1/2 (267)	
I 1	back	plywood	3/4 (19)	11 1/4 (285)	30 1/4 (781)	
J 1	finished drawer front	plywood	3/4 (19)	5 1/4 (130)	11 1/4 (285)	
K 1	door	plywood	3/4 (19)	11 1/4 (285)	24 1/4 (629)	
L 2	drawer sides	plywood	3/4 (19)	4 (102)	20 (508)	cut 1/4 x 3/8 dados for drawer bottom, rip front to 3 1/4-wide
M 2	drawer front and back	plywood	3/4 (19)	4 (102)	8 (203)	cut 1/4 x 3/8 dados for drawer bottom
N 1	drawer bottom	plywood	3/4 (19)	19 1/16 (497)	8 1/4 (222)	
O 1	shelf	plywood	3/4 (19)	22 1/2 (572)	10 1/4 (264)	

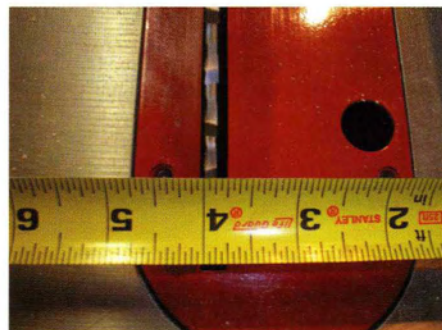
20 **CHAPTER ONE**

basic cabinetry construction

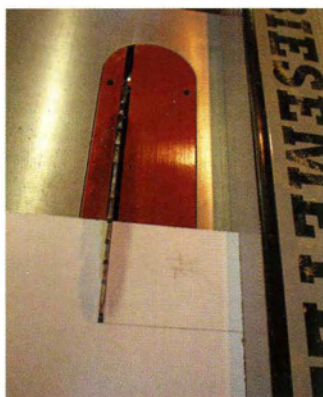
Cutting Toe Kick Notches



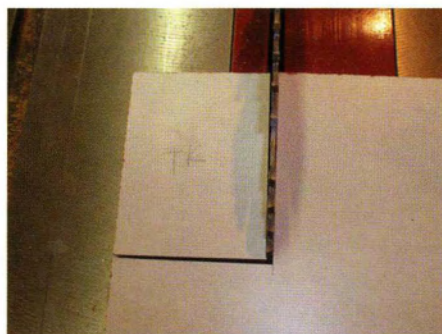
1 Toe kick cutouts need to be cut in pairs. Match up cabinet sides and mark where to cut the notches before cutting the dados for the back.



2 Toe kick cutouts can be cut using the table saw. Set the outside of the sawblade to 4" and raise the blade to its full height.



3 Draw the cutout on the panel. Make the first cut to the line as shown.



4 Reset the fence to make the other cut so the cutout scrap falls on the outside of the saw blade.



5 The finished cutout. The kerf cuts will be hidden when the outside of the cabinet is covered with laminate or wood veneer or by the dado cut for the bottom panel.

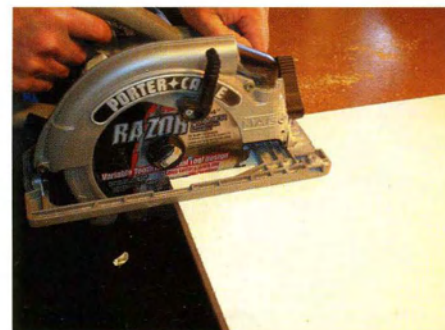
The toe notches can be cut using other tools as shown.



JIGSAW



CROSSCUT HANDSAW



CIRCULAR POWER SAW

Cutting Dadoes

There are many ways to cut dadoes and rabbets. The step-by-step photos in this book show them being made on a table saw. You can also use a router mounted in a router table. Running a router against a straightedge that has been clamped to the part is another option for cutting dadoes.

Special bits are made to match different thicknesses of plywood (which are usually less than $\frac{3}{4}$ " thick). You may be able to match a router bit with it.



1 Attach a hardwood guide to your router's adjustable fence.



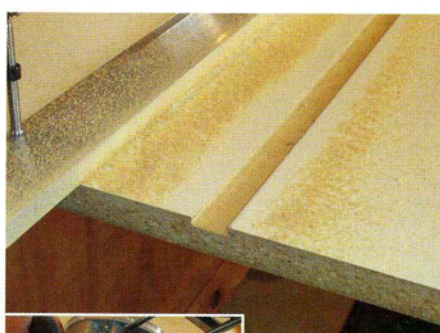
2 Using a router with a fence is an excellent way to cut the rabbets that will accept the top rails.



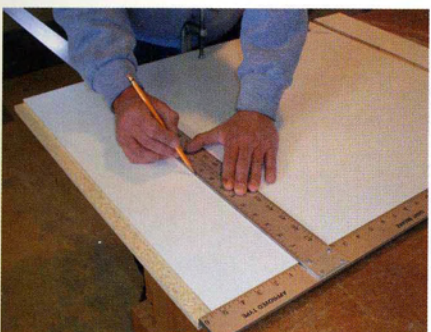
3 The hardwood guide will stabilize the router as you push the router through the cut.



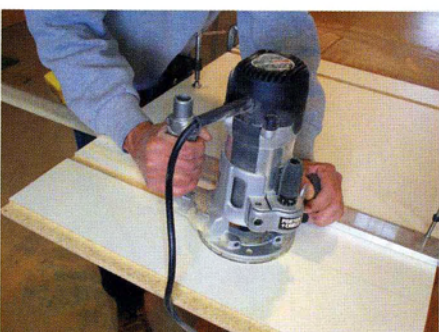
4 Use the hardwood guide to cut the rabbet for the cabinet back.



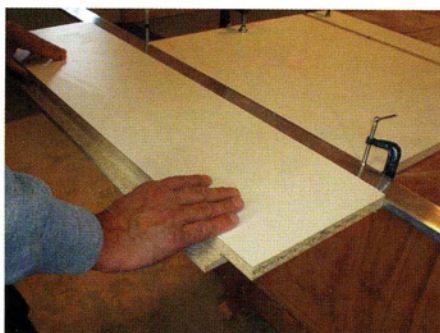
5 The rabbet for the back can be cut in one pass but the dadoes and rabbets that are $\frac{3}{4}$ "-wide should be cut in two passes. The first cut should be $\frac{3}{16}$ "-deep. Reset the router to $\frac{3}{8}$ "-deep and make the second cut. The depth of the dado is very important, so using a router with a gauge for adjusting is very helpful. I used a router with a dialed knob and it worked flawlessly every time.



6 To cut the dadoes for the drawers I used a clamped straight edge. First, draw a line where you want to locate the dado. Next, determine the distance from the edge of the router's base to the router bit. Use this measurement and draw another line. Clamp your straight edge to this second line.



7 Make the first cut. Reset the bit depth and make the final pass at the proper depth.

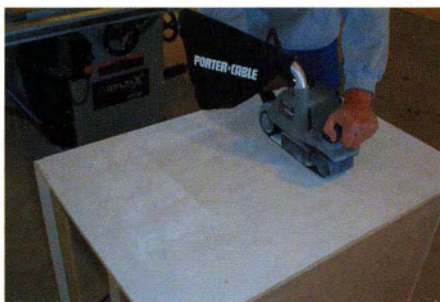


8 Making a spacer to keep dadoes the same is a great idea. Measure the distance from the bottom of the panel to the straightedge, then subtract the width of the router base. Cut a board to this dimension and use it as a spacer for all similarly located dadoes. Clamp it in place flush with the bottom of the panel and run your router's base against it to guide the router as you're making the cut.

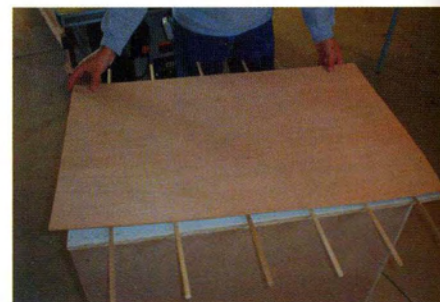
Finishing Cabinets Using Veneered Plywood and Hardwood Facings

Once you've built your cabinets, you have a couple of finishing options — wood veneer ($\frac{1}{4}$ "-thick plywood) or high pressure laminate. Both are excellent choices and are applied using almost the same techniques.

Although wood cabinets look great, one thing to consider is that after you've applied the laminate, the cabinets are complete. If you use wood, you still need to apply a finish. If time is a factor, laminate (wood grained patterns are available) is a time saver.



1 In order for the wood veneer to stick to melamine and other glossy surfaces, scuff the surface by sanding.



2 Apply contact cement to both the veneer and the cabinet and let it dry. Then, using dowels, locate the veneer before sticking it.



3 Roll the veneer using a j-roller, then router the edges of the veneer using a trim router.



4 Use a block sander to flush the edge of the veneer to the front edge of the cabinet.



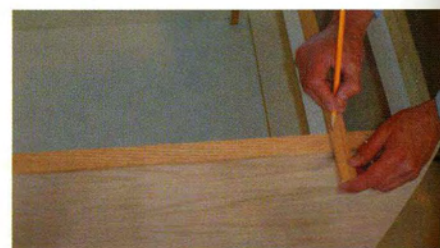
5 Rip solid wood strips in $\frac{1}{8}$ "- $\frac{1}{4}$ "-thick strips that are $\frac{1}{16}$ "- $\frac{1}{8}$ "-wider than the thickness of the cabinet's edges. Then cut the stile strips slightly longer than the cabinet's sides.



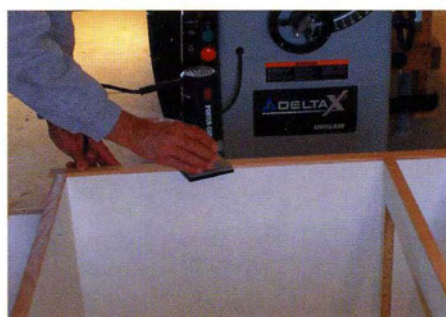
6 Use carpenter's glue to attach the stile strips.



7 Attach the strips using small nails. The nails are then set. The holes can be filled with colored filler to match the final finish.



8 Measure for the rail strips and cut them to length using a miter saw.



9 Use carpenter's glue and nails to attach the rail strips. Then trim the strips flush.



10 A random orbital sander makes short work of sanding the wood strips smooth and flush to each other.

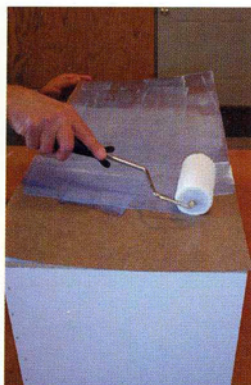


11 Apply the stain (if desired) and finish of your choice. Polyurethane is an excellent finish for all cabinets, but is especially appropriate for the kitchen and bathroom.

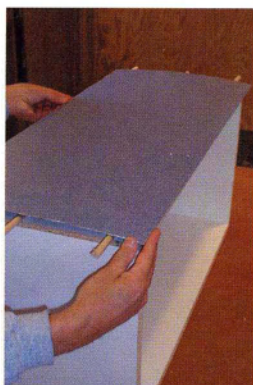
Finishing Cabinets Using High-pressure Laminate



1 In order for the laminate to stick to melamine and other glossy surfaces, scuff the surface by sanding.



2 Cut the laminate 1-2" larger than the surface to be covered. Brush off the surfaces to be glued before applying the contact cement.



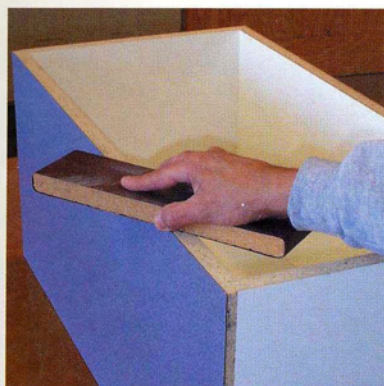
3 After the contact cement is dry, use dowels to help align the laminate.



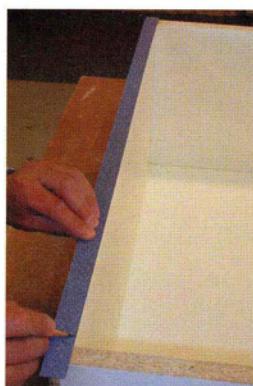
4 Remove the center dowel first, then work your way out to the edges of the laminate. Roll the laminate with a j-roller so it will stick.



5 Trim the excess laminate using a router fitted with a straight-cutting flush-trimming bit with a roller bearing.



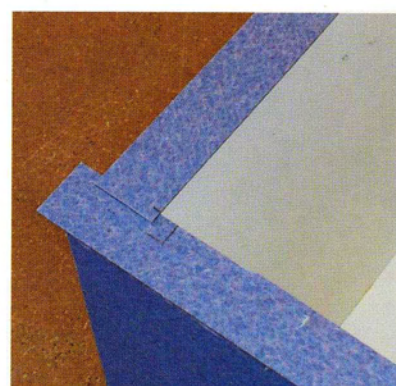
6 Use a block sander to flush the edge of the laminate to the front edge of the cabinet.



7 Cut 1"-wide laminate strips for the front edges of the cabinet. The strips for the stiles will need to be cut straight where the rail strips butt into them.



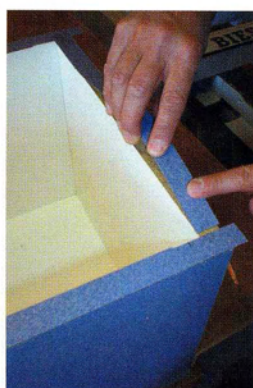
8 Clamp the strip to a straight-edged surface. Trim the straight edges on the stiles using the trim router.



9 After using contact cement to attach the stile strips, cut the rail strips to fit between the stiles.



10 If your miter saw is sharp, you can use it to cut the rail strips to length, or you can use the trim router as shown above.



11 Attach the rail strips using contact cement. First set one end of the strip in place, then the other end. Roll with a j-roller, then trim using the router.



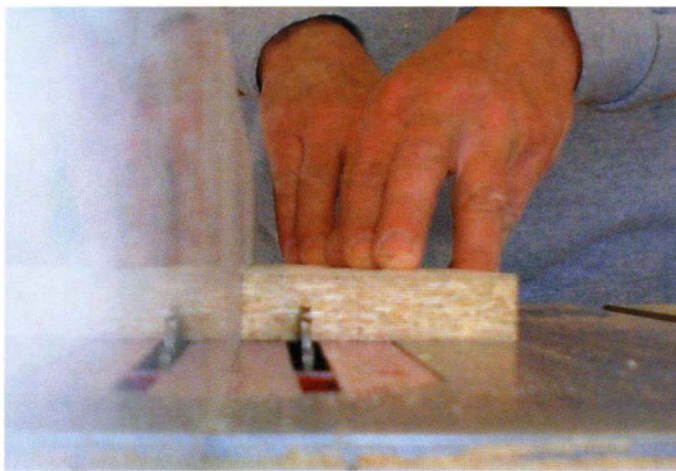
12 The trim router can leave a sharp edge. File the routed edges of the strips as needed to make them smooth.

Making and Assembling Drawers

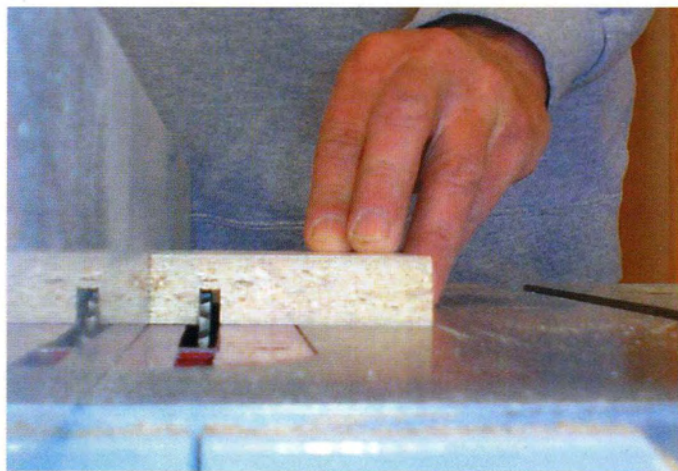
Drawers are not difficult to make but they must be made accurately to size. It's best to build the cabinets first, then double check drawer sizes. All the drawers in this book are made to be used with commercial drawer slides available at any home improvement store. The drawer hardware is made to take up $\frac{1}{2}$ " of space on each side of the drawer. The outside width of the drawers are therefore $1"-1\frac{1}{16}"$ less than the width of the cabinet opening for which they are made.



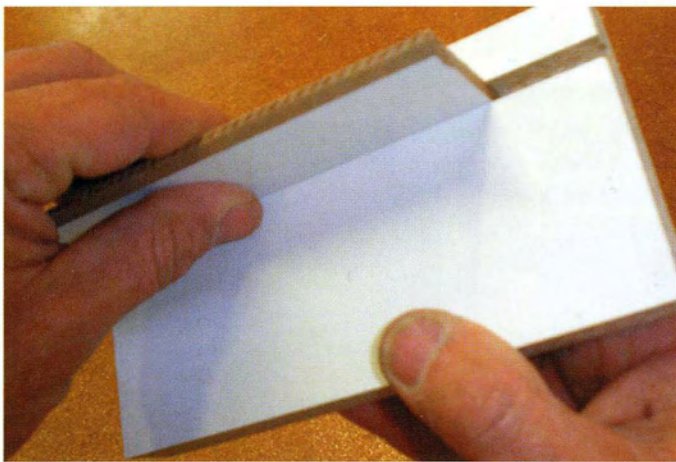
1 After cutting all the parts to size, set the saw blade height to $\frac{3}{8}"$. Adjust the fence so the outside of the saw blade is $\frac{3}{4}"$ from the fence.



2 Cut test pieces for blade height adjustment, then make your first pass on all drawer fronts and sides that use a dado. Cut parts with good side down.



3 Adjust the fence for a second pass. This will create the dado for the drawer bottom panel.



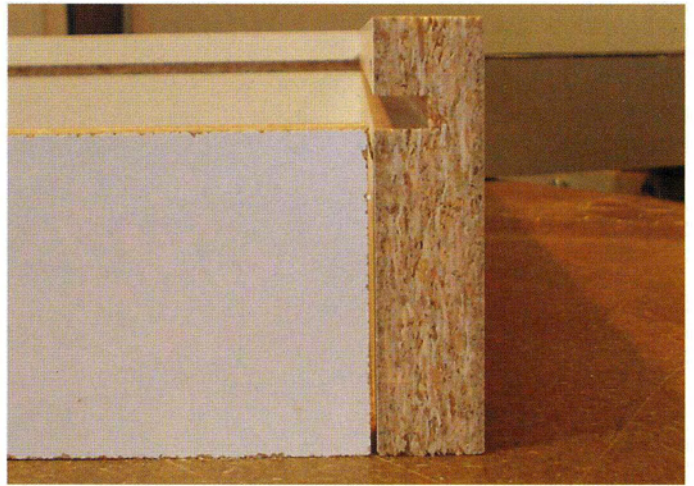
4 Again, make test cuts until the drawer bottom panels slide easily (but fit snugly) into the dado.



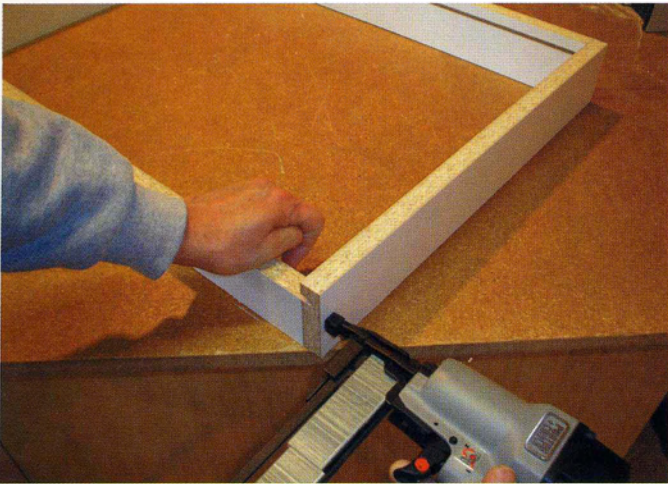
5 After cutting the dados, place a drawer side and back on their top edges. Use staples or screws to assembly the drawer. The front and back parts are sandwiched between the sides.



6 Attach the other side.



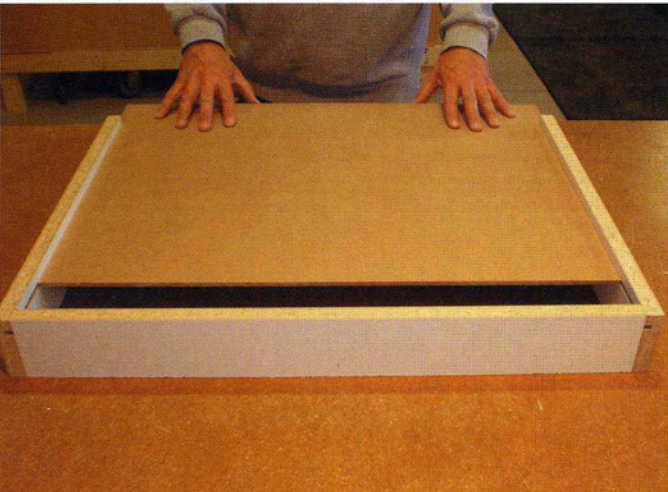
7 The bottom of the front should be aligned with the top of the dado.



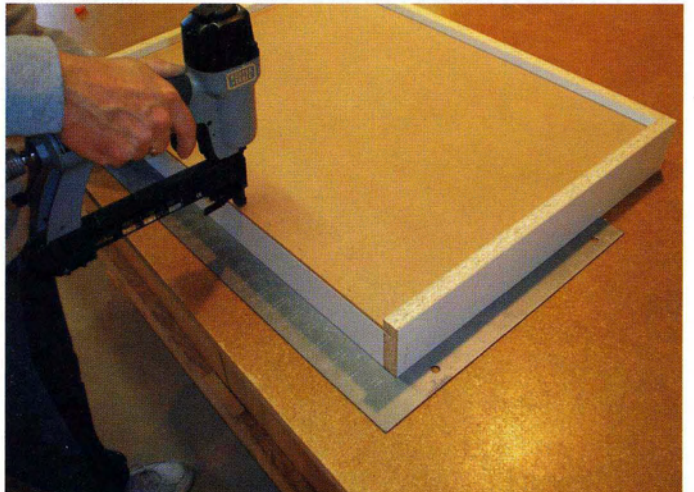
8 Attach the front.



9 Apply glue in the groove that accepts the bottom panel.



10 Slide the bottom in place.



11 Square the drawer using a carpenter's square and nail the bottom into place.

Style I of Making Doors & Drawer Fronts

This book will show you two types of doors that can be made quickly and economically. The first type is made from MDF that has oak veneer on both sides. This can be found at most home improvement centers.

After you've cut all your doors and drawer fronts to size, you're ready to cut the bevels on the outside edges as shown on this page.



- 1** Attach a sacrificial fence to the table saw's fence.
Leave a gap of about $\frac{3}{8}$ " between the saw blade and the fence.



- 2** Lower the blade and adjust the bevel to 45°. Now raise the blade until it almost touches the fence.



- 3** Turn on the saw and continue raising the blade until it cuts into the sacrificial fence about $\frac{1}{8}$ ".



- 4** Use a scrap piece of door stock and bevel one side of it by running it against the fence and past the saw blade. You want the bevel to be about halfway through the thickness of the door or drawer front. Adjust the fence to make the bevel wider or narrower until it's correct.

- 5** When cutting the bevels, make the two cross-cuts first, then cut with the grain for the other two cuts. This prevents grain tear-out at the ends of the crosscuts.



- 6** Sand the edges to remove any saw cut marks. Then sand the back and face. The door and drawer fronts are now ready for finish.

Style II of Making Doors & Drawer Fronts

Here's another style of door and drawer fronts that uses MDF with wood veneer on both sides.

Cut the doors and drawer fronts $\frac{3}{4}$ " less than the finished dimensions in width and length. Then attach $\frac{3}{8}$ "-thick edging to the doors and drawer fronts to bring them back up to the proper finished dimensions.



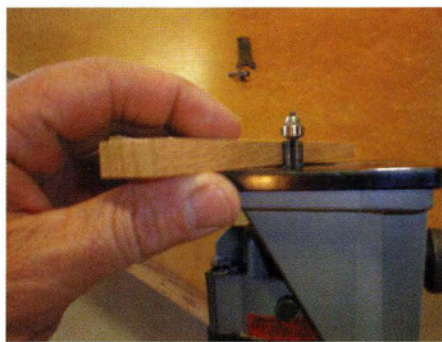
1 Cut edging $\frac{3}{8}$ "-thick for door and drawer fronts. Make sure it's wide enough to cover the entire edge. Apply glue to the entire surface of the edging.



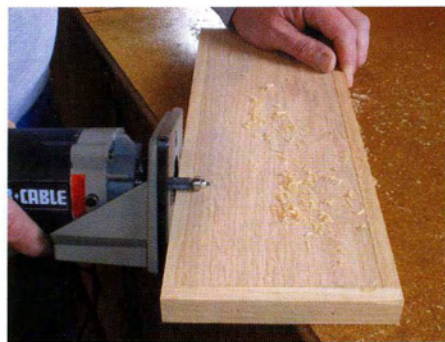
2 Nail the edging in place with 1"-long nails. Use as few nails as possible and be sure to center the nails on the edging. Always attach the top and bottom edges first.



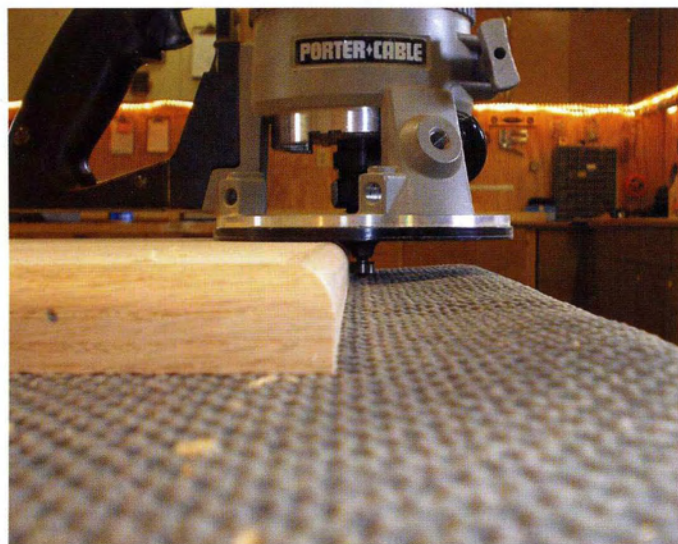
3 Attach the edging to the sides just as you did the top and bottom edges.



4 After the glue has dried, set up a flush cutting bit in a router.



5 Keeping the router base flat on the edge, remove any excess wood. Rout the same way you applied the edging, top and bottom first, then the sides.



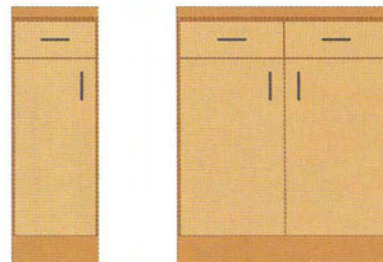
6 Rout the edges with the profile of your choice. Here I'm using a $\frac{3}{8}$ " roundover bit.



7 Sand the edges, backs and faces of the doors and drawer fronts and you're ready to finish them.



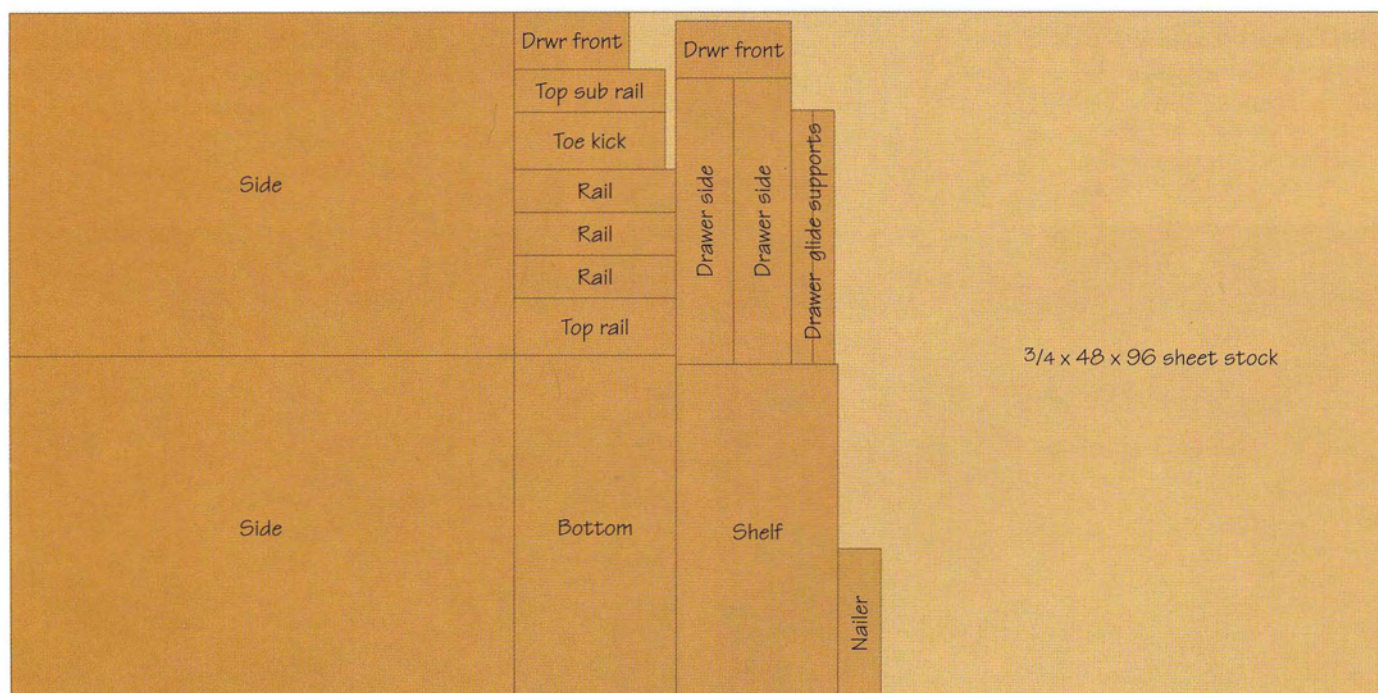
base cabinets



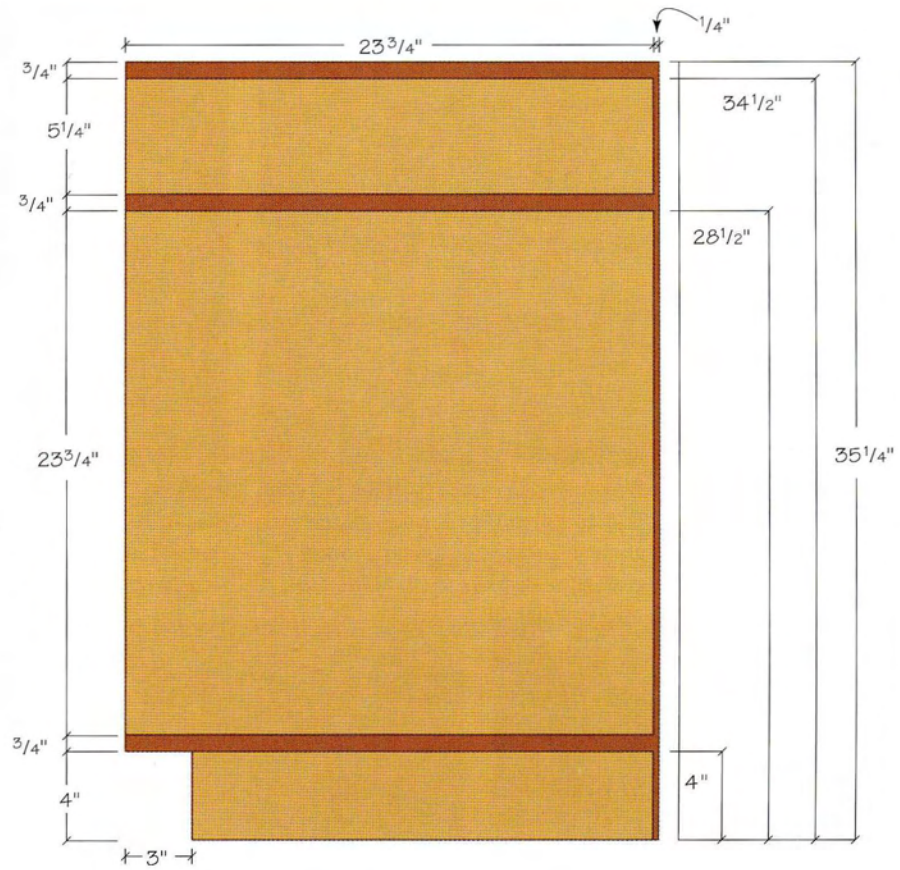
Base cabinets are the building blocks of cabinet making. This is where you learn the basics of making and installing cabinets. You learn to build a cabinet, door and drawer.

OPTIMIZATION OF PARTS

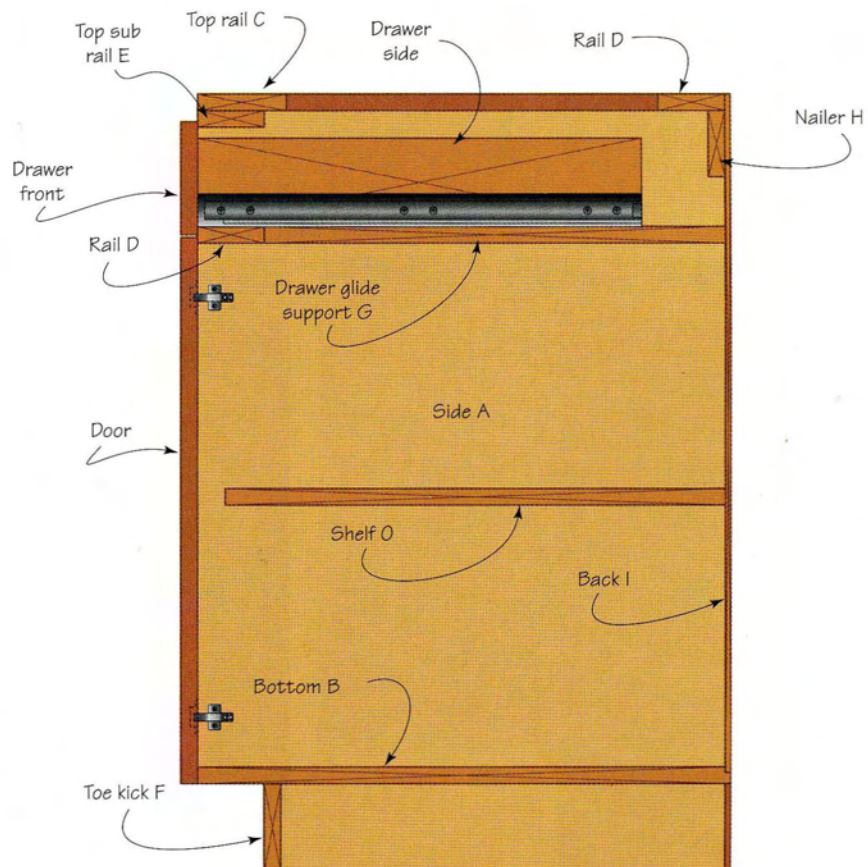
This optimization drawing is for a 12"-wide base cabinet. The layout of the parts will be similar for all sizes of base cabinets. Widths of some parts will be increased.

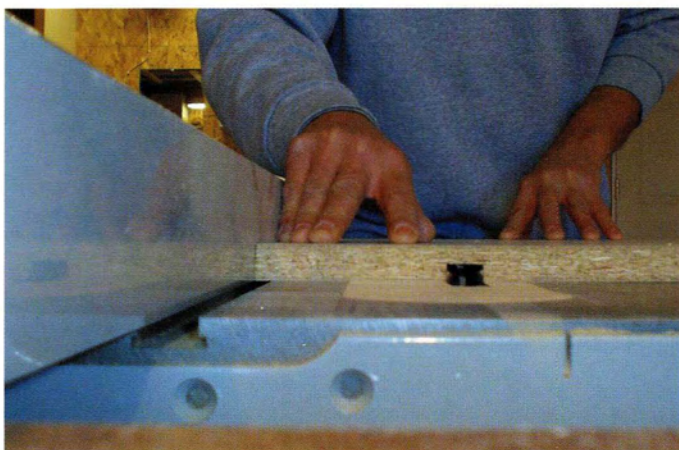


DADO LAYOUT

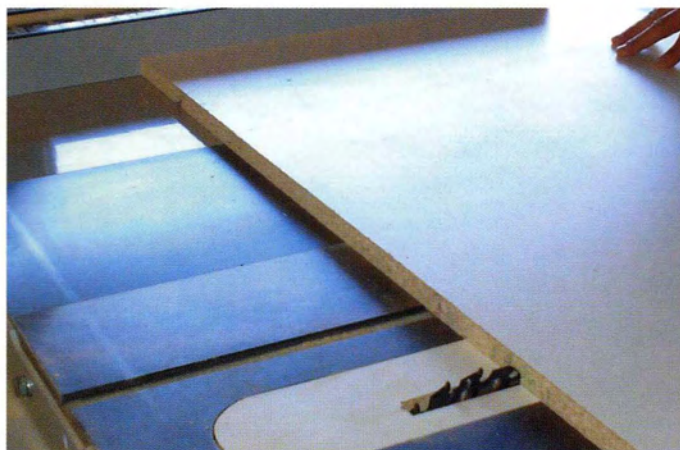


SIDE SECTIONAL





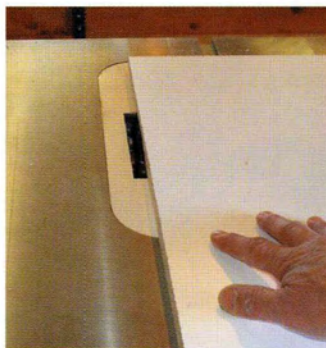
1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router set up on a router table.) Cut the dados $\frac{3}{8}$ " deep. Cut the dado for the bottom panel first at 4". See the illustration for layout details.



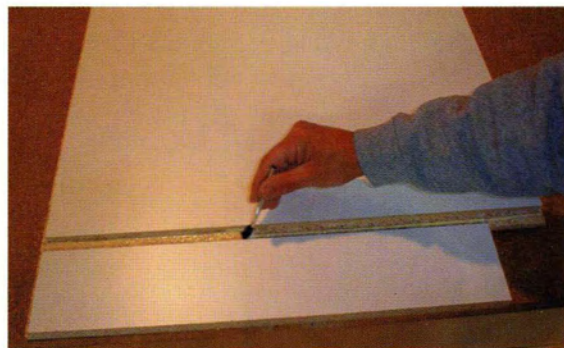
2 Reset the fence and cut the dado for the drawer glide supports. at $28\frac{1}{2}$ ". If you're using your router, you can reset the fence on the router table (if the table is large enough) or use a straightedge to guide the router for this cut.



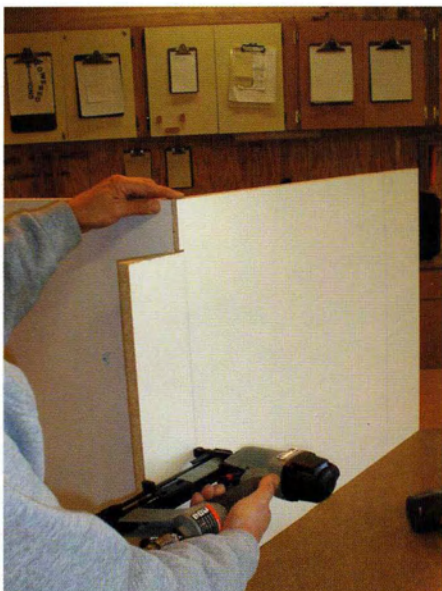
3 Cut the rabbet for the top rails by resetting the fence to $28\frac{1}{2}$ ". Then, make the toe kick cutouts. See "Cutting Toe Kick Notches" on page 8.



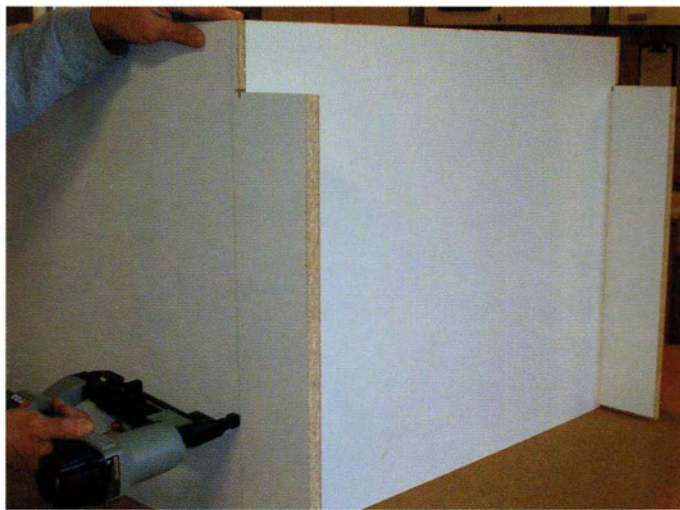
4 Reset the fence to $23\frac{3}{4}$ " and cut the rabbet for the back panel. Then make the toe-kick cutout. See "Making a toe-kick cutout" on page 8.



5 When starting the assembly of the cabinets, have some wood glue, a brush and a damp cloth handy. Apply a bead of glue to the bottom panel dado of the right side and brush the glue evenly in the dado.



6 Stand the right side with its face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



7 Attach the left side the same way as the right side.



8 Attach the toe kick between the sides.



9 Stand the cabinet up, then install the rails using glue and staples or screws. Use a bar clamp to hold the sides tight to the rails.



10 After installing the front rails, install the sub rail under the top front rail. Secure it with staples or 1 1/4"-long No.8 drywall screws.



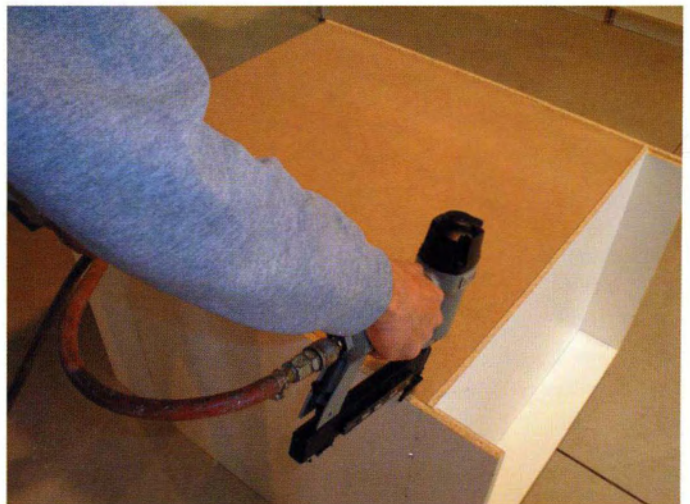
11 Install the drawer glide supports.



12 Install the nailer at the back of the cabinet.



13 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



14 Install the back panel using nails or screws.

JOB

TYPE OF CABINET

OF CABINETS

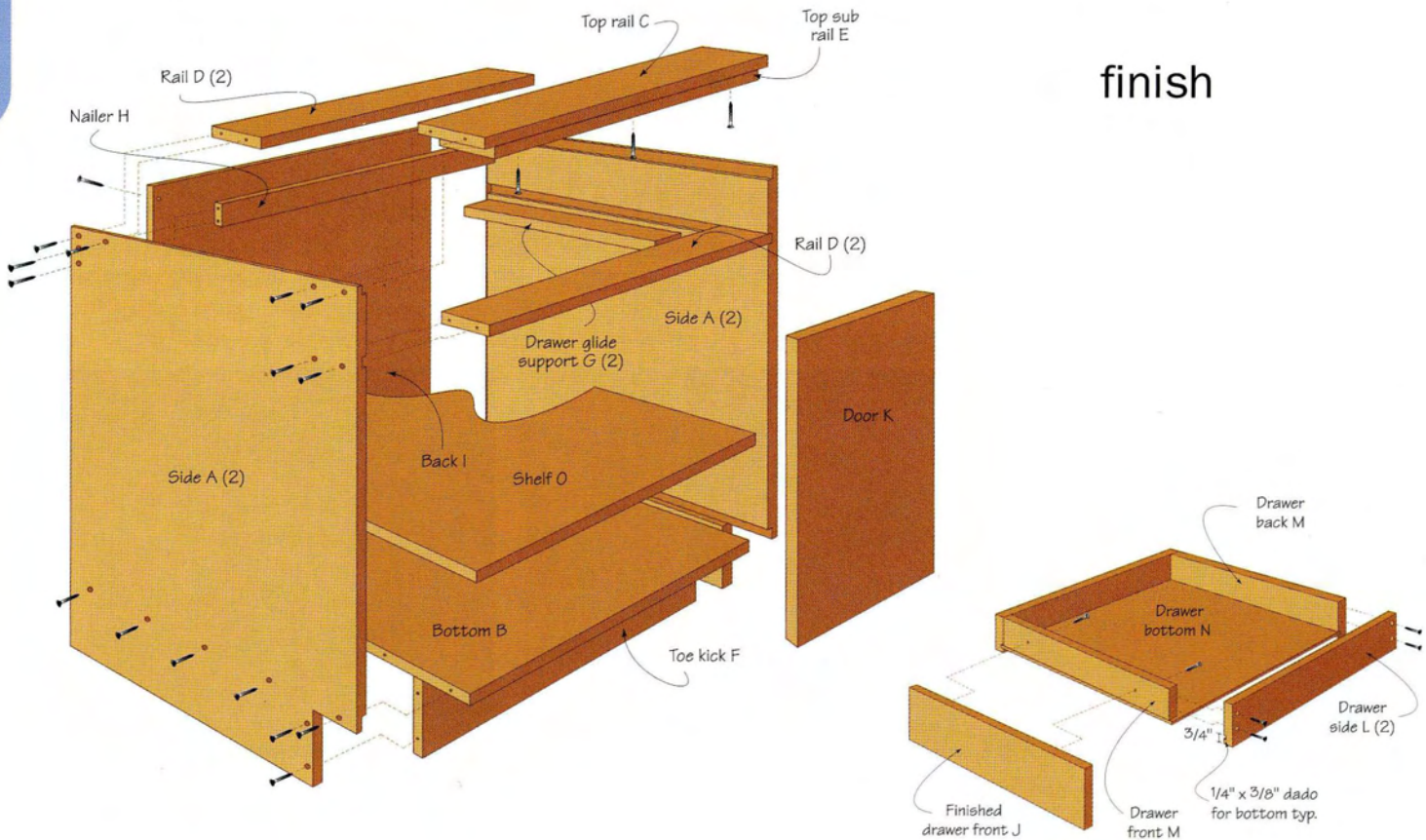
DATE

B12**HARDWARE NEEDED:**

- 2 95°- opening European hinges
- 1 set 20"- full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the door and drawer

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	11 1/4	(285)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	11 1/4	(285)	
D	2	rails	plywood	3/4	(19)	3	(76)	11 1/4	(285)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	10 1/2	(267)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
I	1	back	plywood	1/4	(6)	11 1/4	(285)	30 3/4	(781)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	11 1/4	(285)	
K	1	door	plywood	3/4	(19)	11 1/4	(285)	24 3/4	(629)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	8	(203)	cut 1/4 x 3/8 dadoes for drawer bottom
N	1	drawer bottom	plywood	1/4	(6)	19 9/16	(497)	8 3/4	(222)	
O	1	shelf	plywood	3/4	(19)	22 1/2	(572)	10 3/8	(264)	

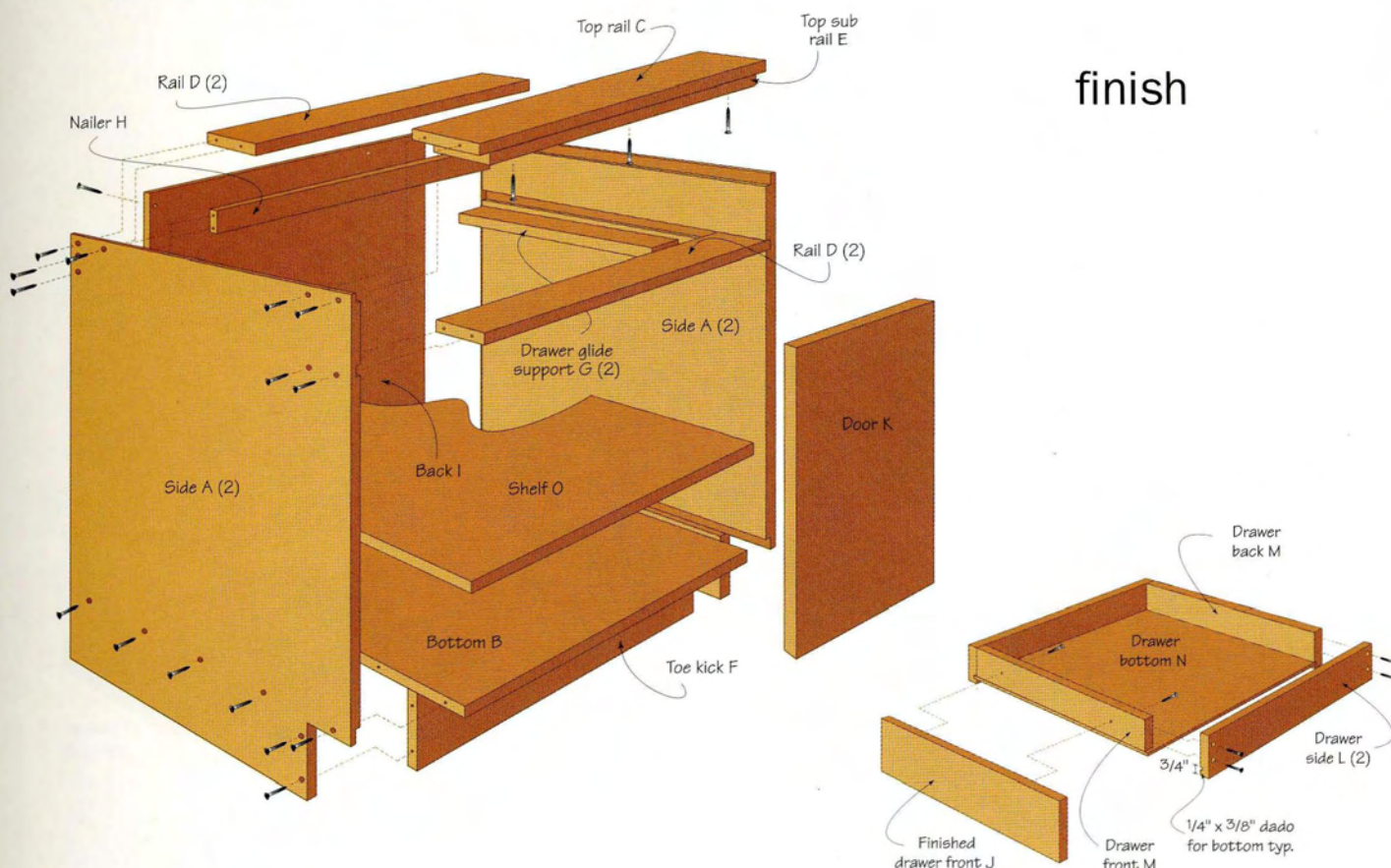
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	B15		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 1 set 20"- full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the door and drawer

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	14 1/4	(362)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	14 1/4	(362)	
D	2	rails	plywood	3/4	(19)	3	(76)	14 1/4	(362)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	13 1/2	(343)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
I	1	back	plywood	1/4	(6)	14 1/4	(362)	30 3/4	(781)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	14 1/4	(362)	
K	1	door	plywood	3/4	(19)	14 1/4	(362)	24 3/4	(629)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	11	(279)	cut 1/4 x 3/8 dadoes for drawer bottom
N	1	drawer bottom	plywood	1/4	(6)	19 9/16	(497)	11 3/4	(298)	
O	1	shelf	plywood	3/4	(19)	22 1/2	(572)	13 3/8	(340)	

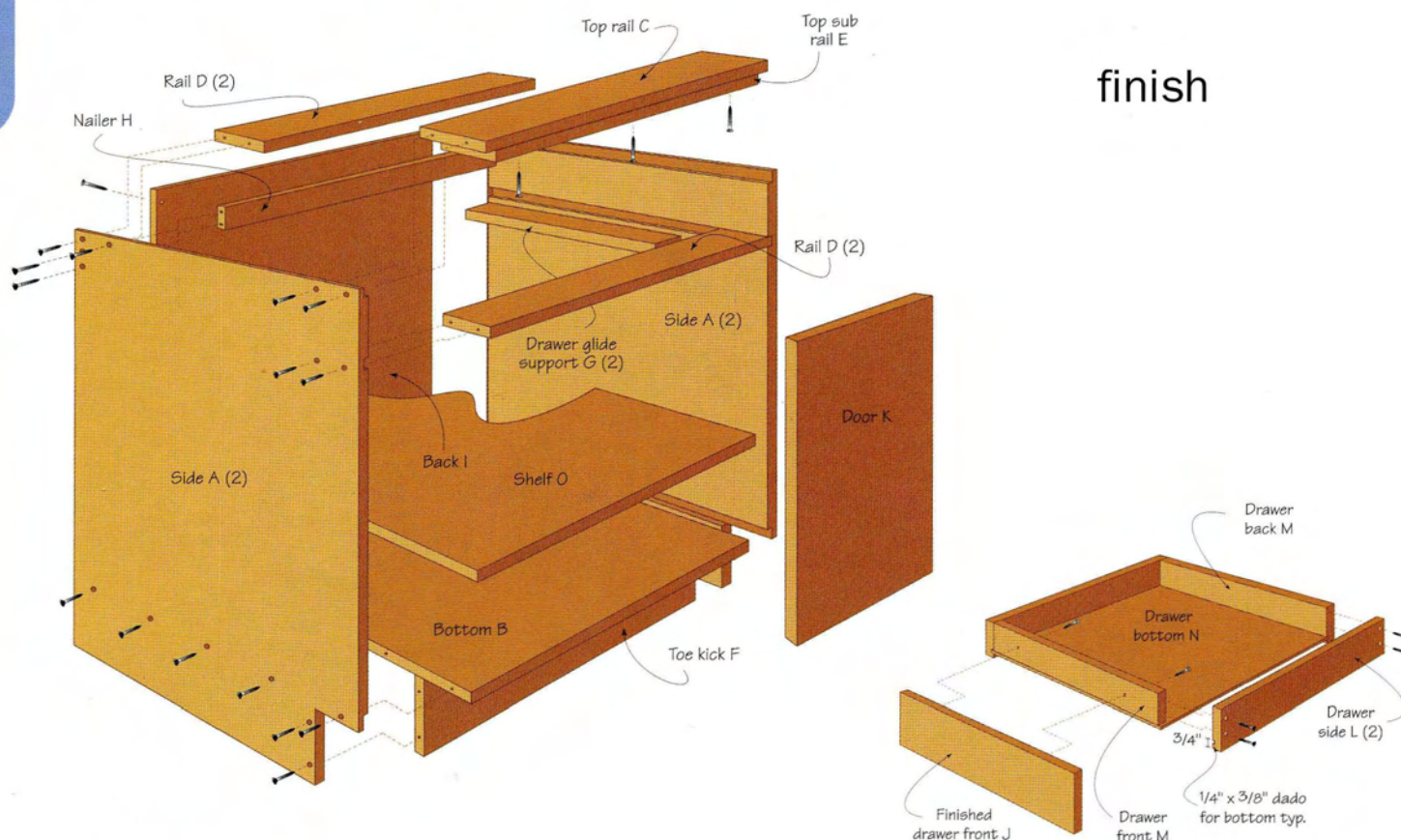
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	B18		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 1 set 20"- full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the door and drawer

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	17 1/4	(438)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	17 1/4	(438)	
D	2	rails	plywood	3/4	(19)	3	(76)	17 1/4	(438)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	16 1/2	(419)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
I	1	back	plywood	1/4	(6)	17 1/4	(438)	30 3/4	(781)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	17 1/4	(438)	
K	1	door	plywood	3/4	(19)	17 1/4	(438)	24 3/4	(629)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	14	(356)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	19 9/16	(497)	14 3/4	(375)	
O	1	shelf	plywood	3/4	(19)	22 1/2	(572)	16 3/8	(416)	

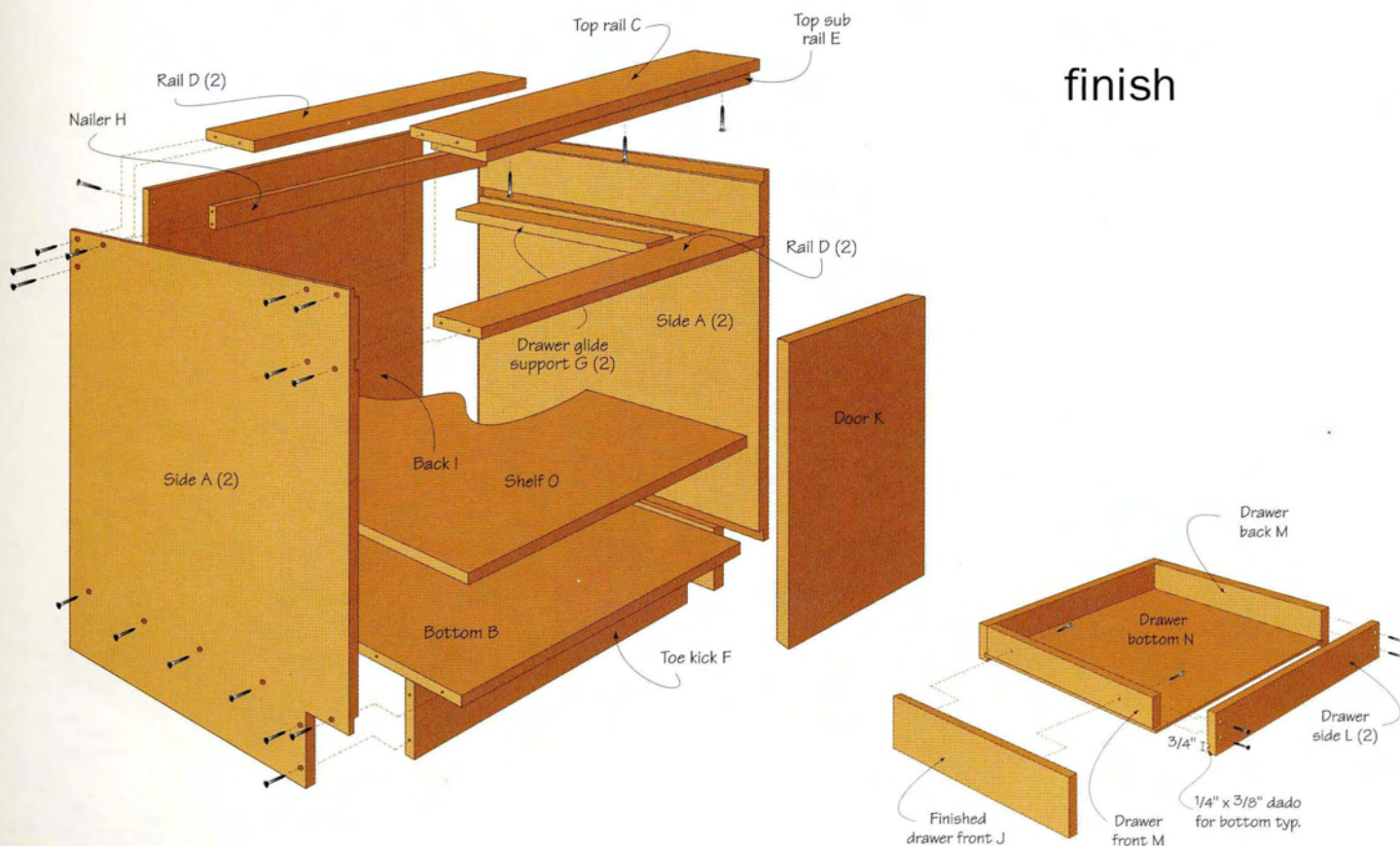
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	B21		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 1 set 20"- full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the door and drawer

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	20 1/4	(514)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	20 1/4	(514)	
D	2	rails	plywood	3/4	(19)	3	(76)	20 1/4	(514)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	19 1/2	(496)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	19 1/2	(496)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	3	(76)	19 1/2	(496)	
I	1	back	plywood	1/4	(6)	20 1/4	(514)	30 3/4	(781)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	20 1/4	(514)	
K	1	door	plywood	3/4	(19)	20 1/4	(514)	24 3/4	(629)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	17	(432)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	19 9/16	(497)	17 3/4	(451)	
O	1	shelf	plywood	3/4	(19)	22 1/2	(572)	19 3/8	(493)	

JOB

TYPE OF CABINET

OF CABINETS

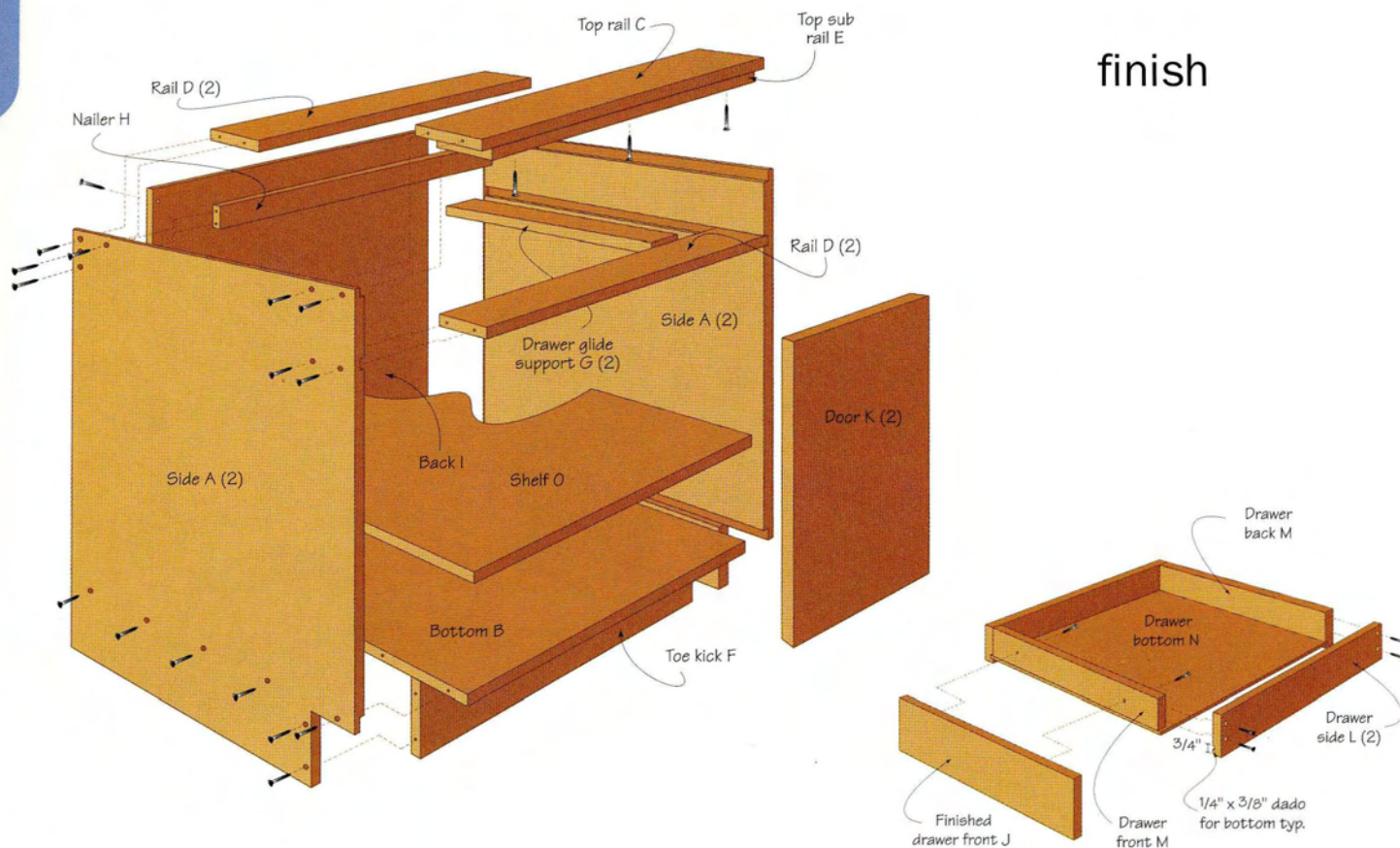
DATE

B24**HARDWARE NEEDED:**

- 4 95°- opening European hinges
 1 set 20"- full extension drawer slides
 4 shelf supports (pins), either 5mm or 1/4" hole size required
 3 handles or pulls for the doors and drawer

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	23 1/4	(591)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	23 1/4	(590)	
D	3	rails	plywood	3/4	(19)	3	(76)	23 1/4	(590)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	22 1/2	(572)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	17 3/4	(451)	
H	1	nailer	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
I	1	back	plywood	1/4	(6)	23 1/4	(590)	30 3/4	(781)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	23 1/4	(590)	
K	2	doors	plywood	3/4	(19)	11 9/16	(293)	24 3/4	(629)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	19 9/16	(497)	20 3/4	(527)	
O	1	shelf	plywood	3/4	(19)	22 1/2	(572)	22 3/8	(569)	

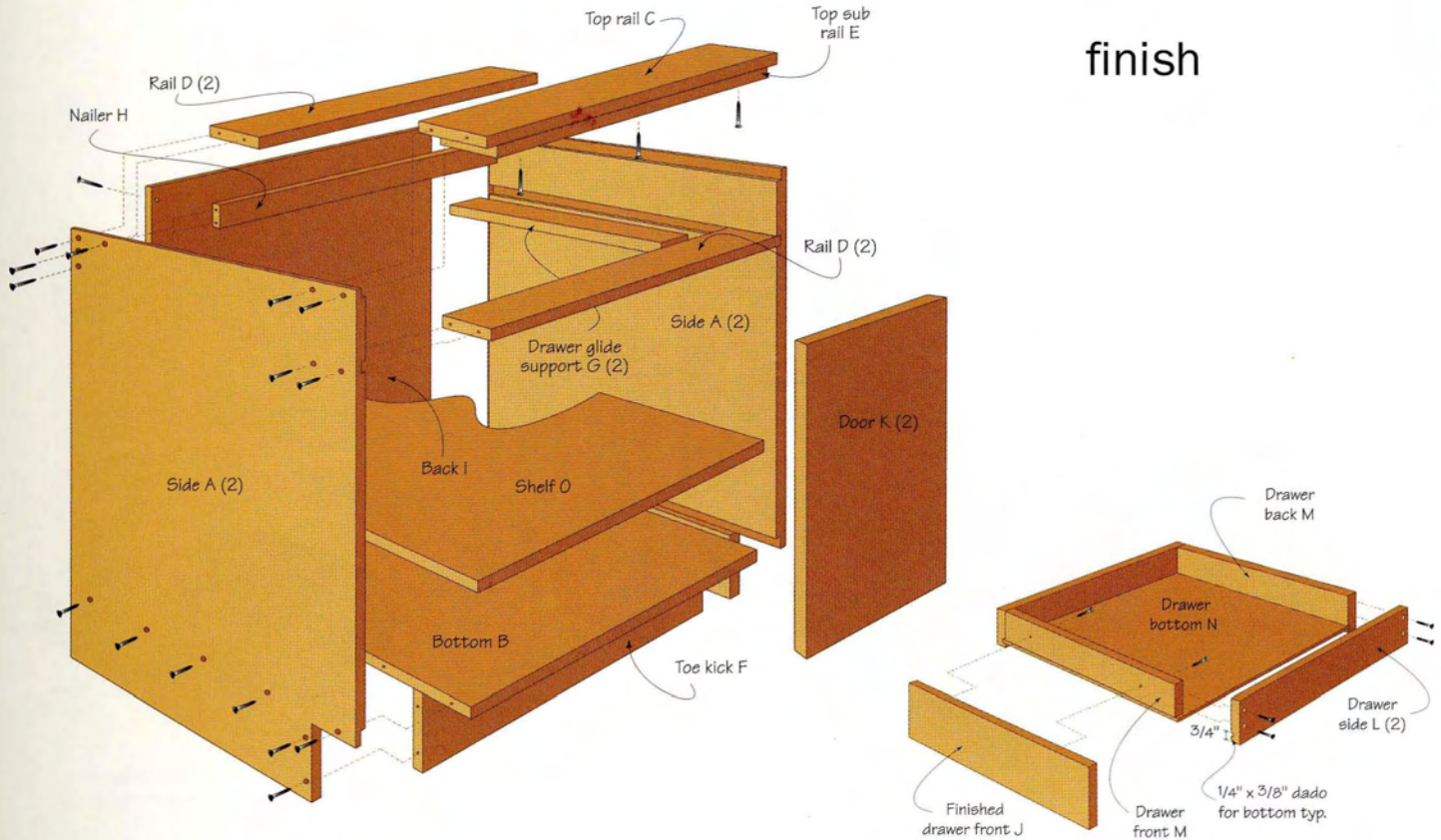
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	B27		

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 1 set 20"- full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 3 handles or pulls for the doors and drawer

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	26 1/4	(666)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	26 1/4	(666)	
D	2	rails	plywood	3/4	(19)	3	(76)	26 1/4	(666)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	25 1/2	(648)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
I	1	back	plywood	1/4	(6)	26 1/4	(666)	30 3/4	(781)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	26 1/4	(666)	
K	2	doors	plywood	3/4	(19)	13 1/16	(332)	24 3/4	(629)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	23	(584)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	19 9/16	(497)	23 3/4	(603)	
O	1	shelf	plywood	3/4	(19)	22 1/2	(572)	25 3/8	(645)	

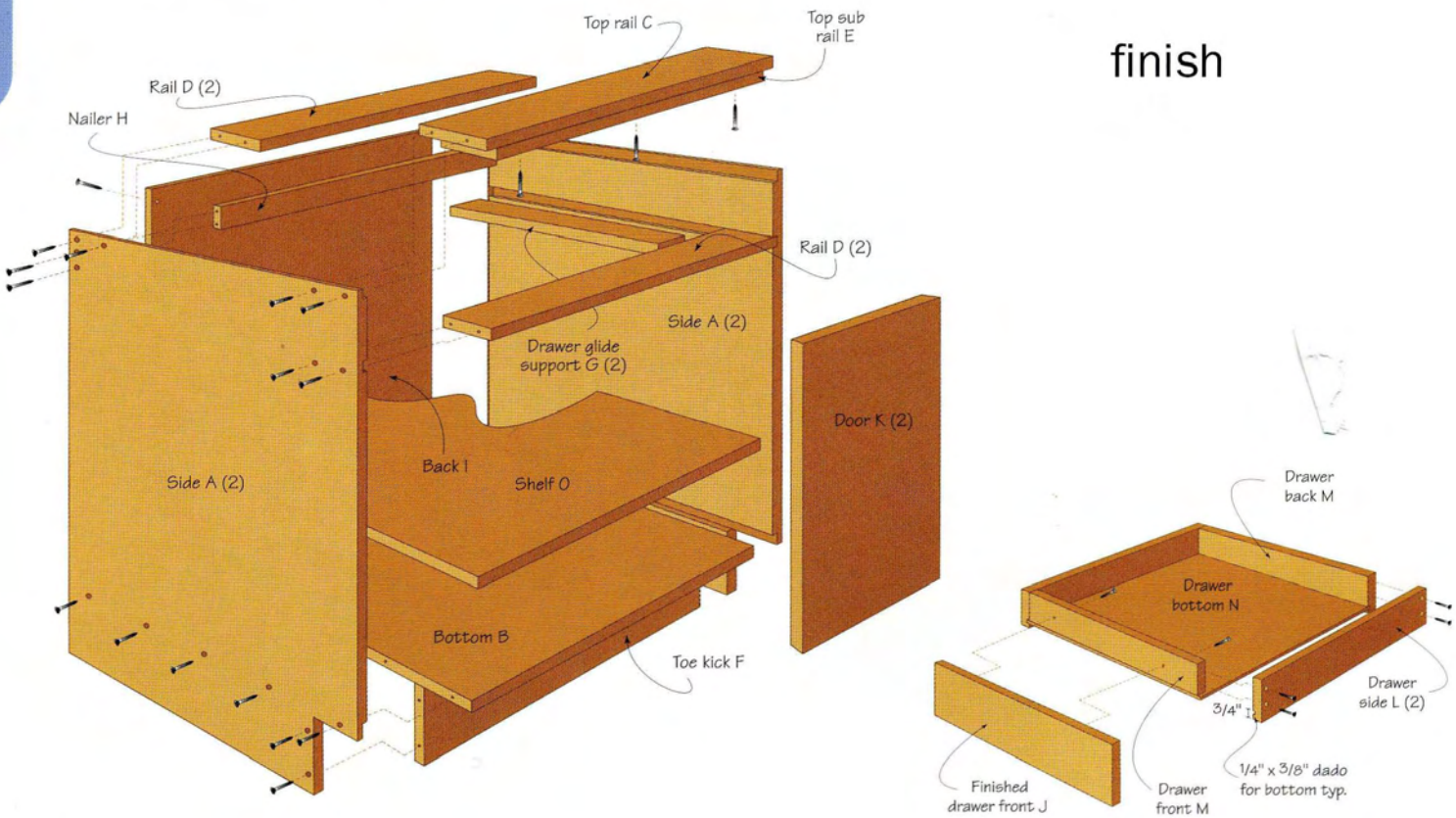
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	B30		

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 1 set 20"- full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 3 handles or pulls for the doors and drawer

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	29 1/4	(743)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	29 1/4	(743)	
D	2	rails	plywood	3/4	(19)	3	(76)	29 1/4	(743)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	28 1/2	(724)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
I	1	back	plywood	1/4	(6)	29 1/4	(743)	30 3/4	(781)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	29 1/4	(743)	
K	2	doors	plywood	3/4	(19)	14 9/16	(370)	24 3/4	(629)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	26	(660)	cut 1/4 x 3/8 dadoes for drawer bottom
N	1	drawer bottom	plywood	1/4	(6)	19 9/16	(497)	26 3/4	(679)	
O	1	shelf	plywood	3/4	(19)	22 1/2	(572)	28 3/8	(721)	

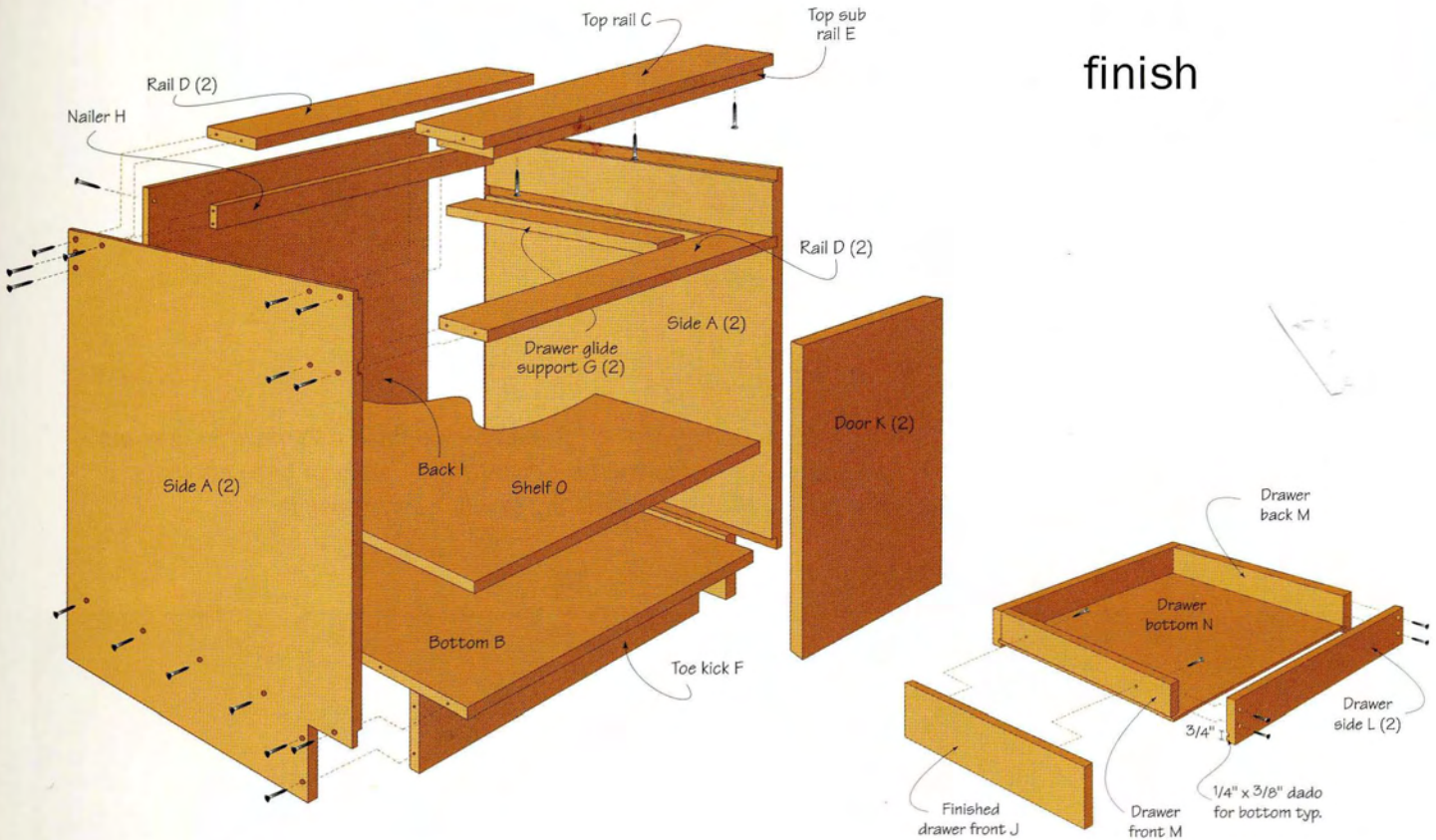
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	BWX		

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 1 set 20"- full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 3 handles or pulls for the doors and drawer

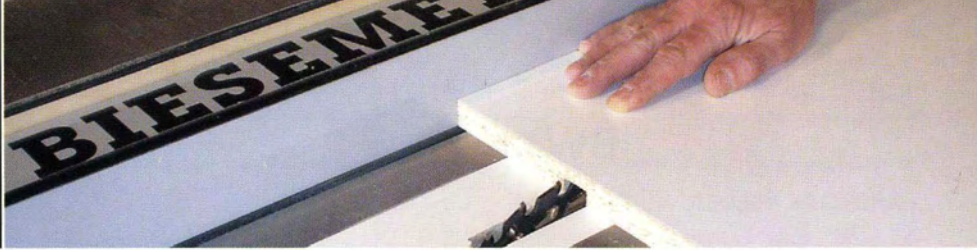
color

finish

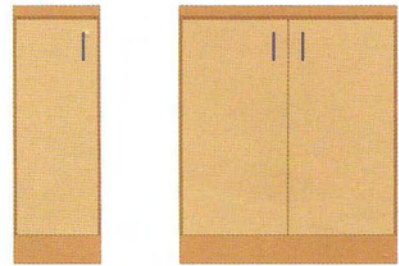


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	WX-3/4	(-19)	WX = width of cabinet, cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	WX-3/4	(-19)	
D	2	rails	plywood	3/4	(19)	3	(76)	WX-3/4	(-19)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	WX-1 1/2	(-38)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
I	1	back	plywood	1/4	(6)	WX-3/4	(-19)	30 3/4	(781)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	WX-3/4	(-19)	
K	1	door	plywood	3/4	(19)	WX-3/4	(-19)	24 3/4	(629)	24 or wider WX-7/8±2
L	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	WX-4	(-102)	cut 1/4 x 3/8 dadoes for drawer bottom
N	1	drawer bottom	plywood	1/4	(6)	19 9/16	(497)	WX-3 1/4	(-82)	
O	1	shelf	plywood	3/4	(19)	22 1/2	(572)	WX-1 5/8	(-41)	

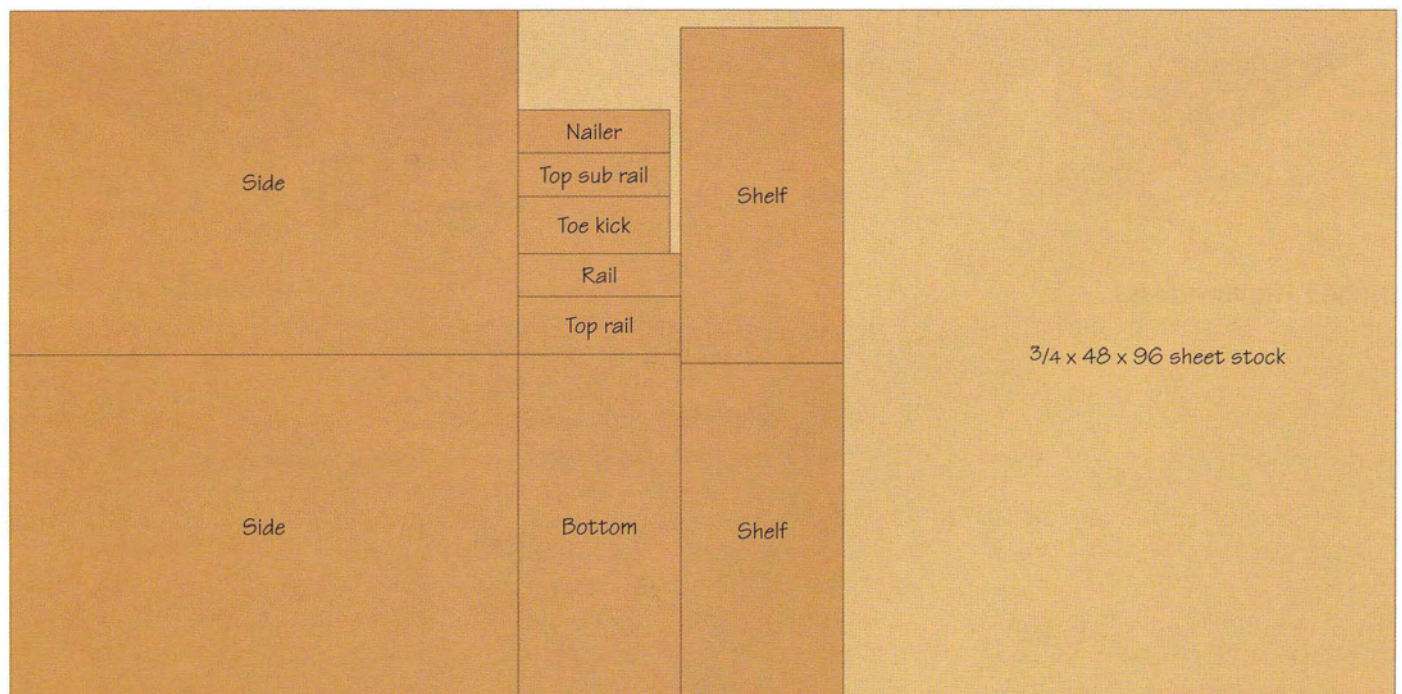


base cabinets without drawers

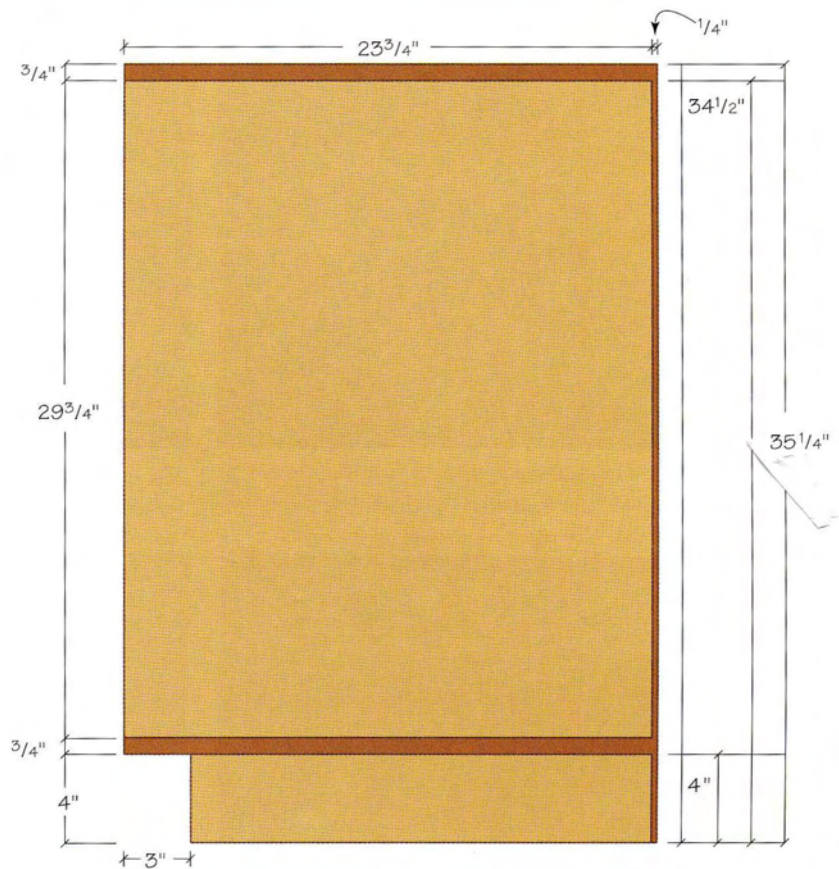


OPTIMIZATION OF PARTS

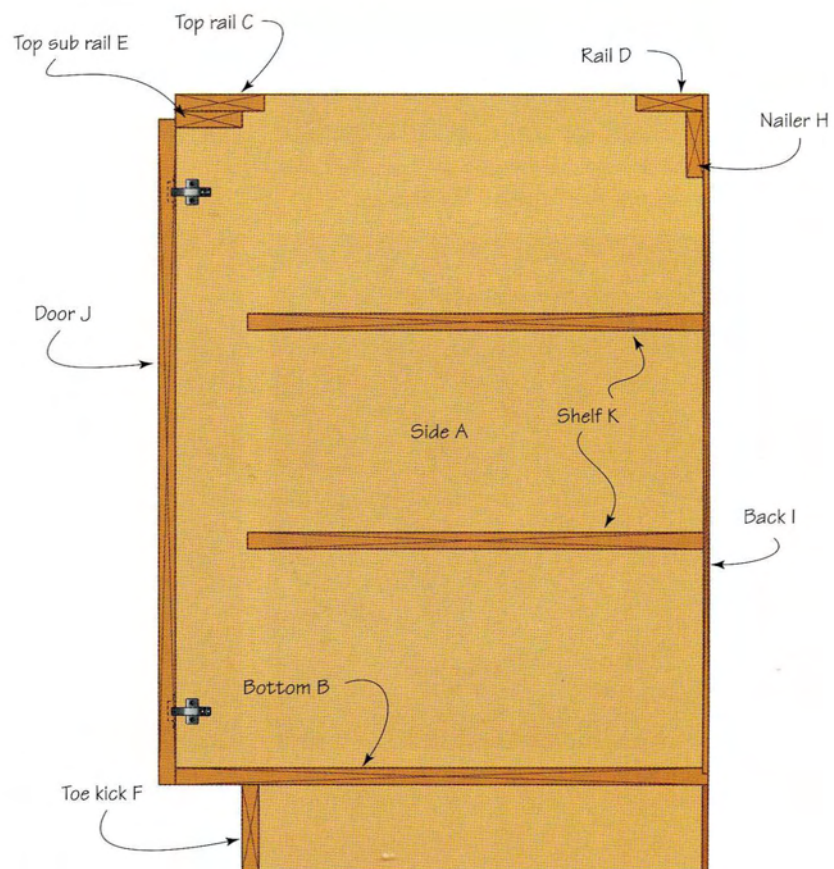
This optimization drawing is for a 12"-wide base cabinet w/o drawers. The layout of the parts will be similar for all sizes of base cabinets w/o drawers. Widths of some parts will be increased.



DADO LAYOUT

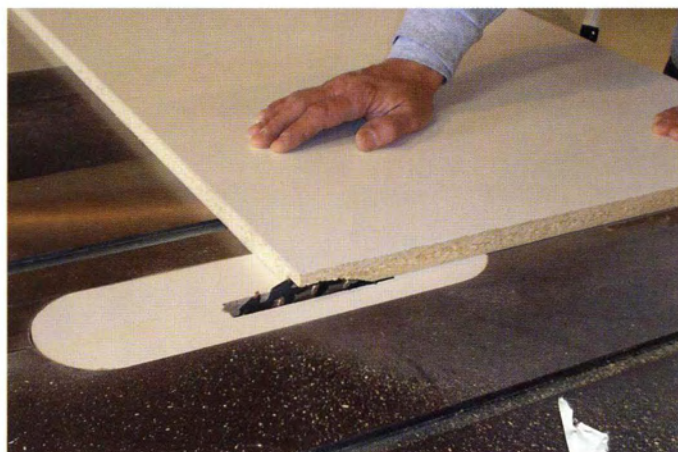


SIDE SECTIONAL





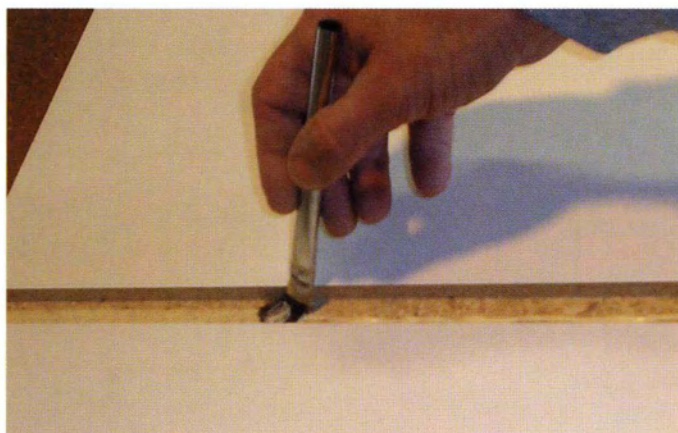
1 Cut all parts to size, then make the dado cuts. Set your dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router set up on a router table.) Cut the dados $\frac{3}{8}$ " deep. Cut the dado for the bottom panel first by setting the fence at 4". See the illustration for layout details.



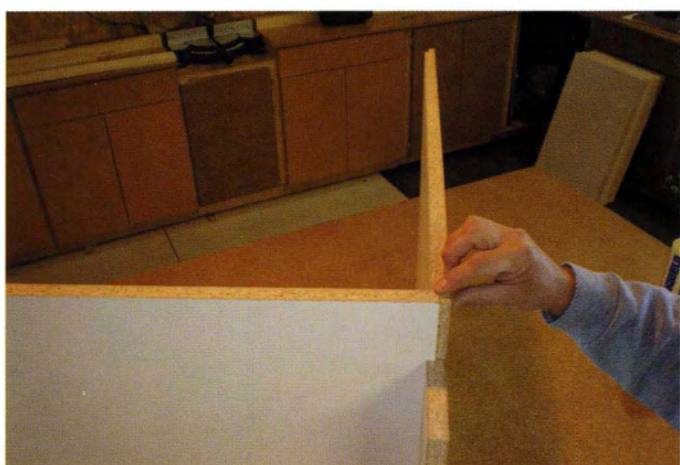
2 Reset the fence to $34\frac{1}{2}$ " and cut the dado for the top rails. If you're using your router, you can reset the fence on the router table (if the table is large enough) or use a straightedge to guide the router for this cut.



3 Cut the rabbet for the back panel by resetting the fence to $23\frac{3}{4}$ ". Then cut the toe kick cutouts. See "Cutting Toe Kick Notches" on page 8.



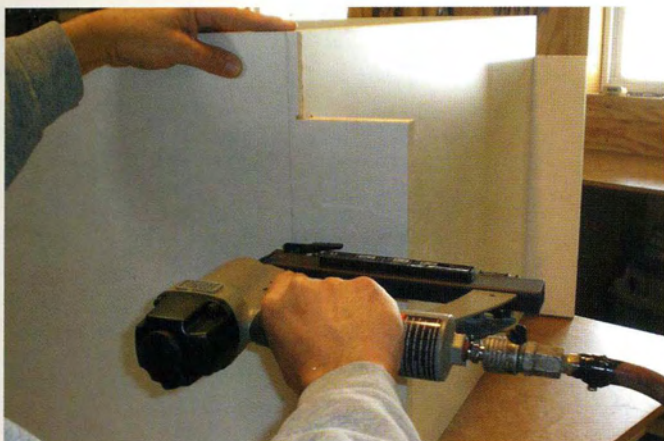
4 Get some wood glue, a brush and a damp cloth. Apply a bead of glue to the bottom panel dado in a side panel and brush the glue evenly in the dado.



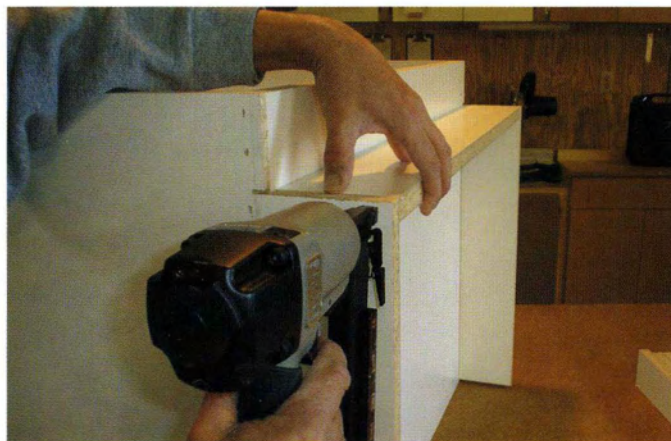
5 Stand the right side with its face edge up and slide the bottom panel into the dado.



6 Flush the face edges and nail through the side into the bottom panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart). Wipe any excess glue.



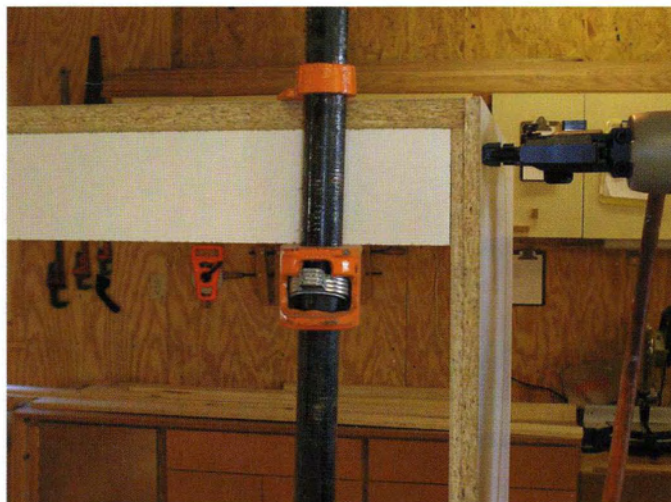
7 Attach the other side.



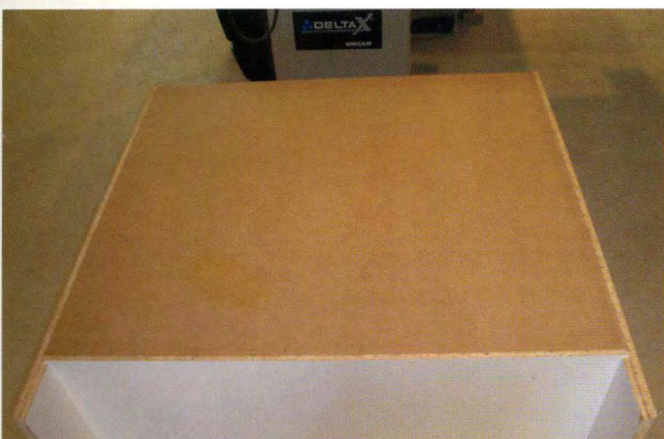
8 Attach the toe kick between the sides.



9 Install the front and back rails. Use a clamp to hold the rails in place.



10 Install the nailer at the back of the cabinet.



11 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



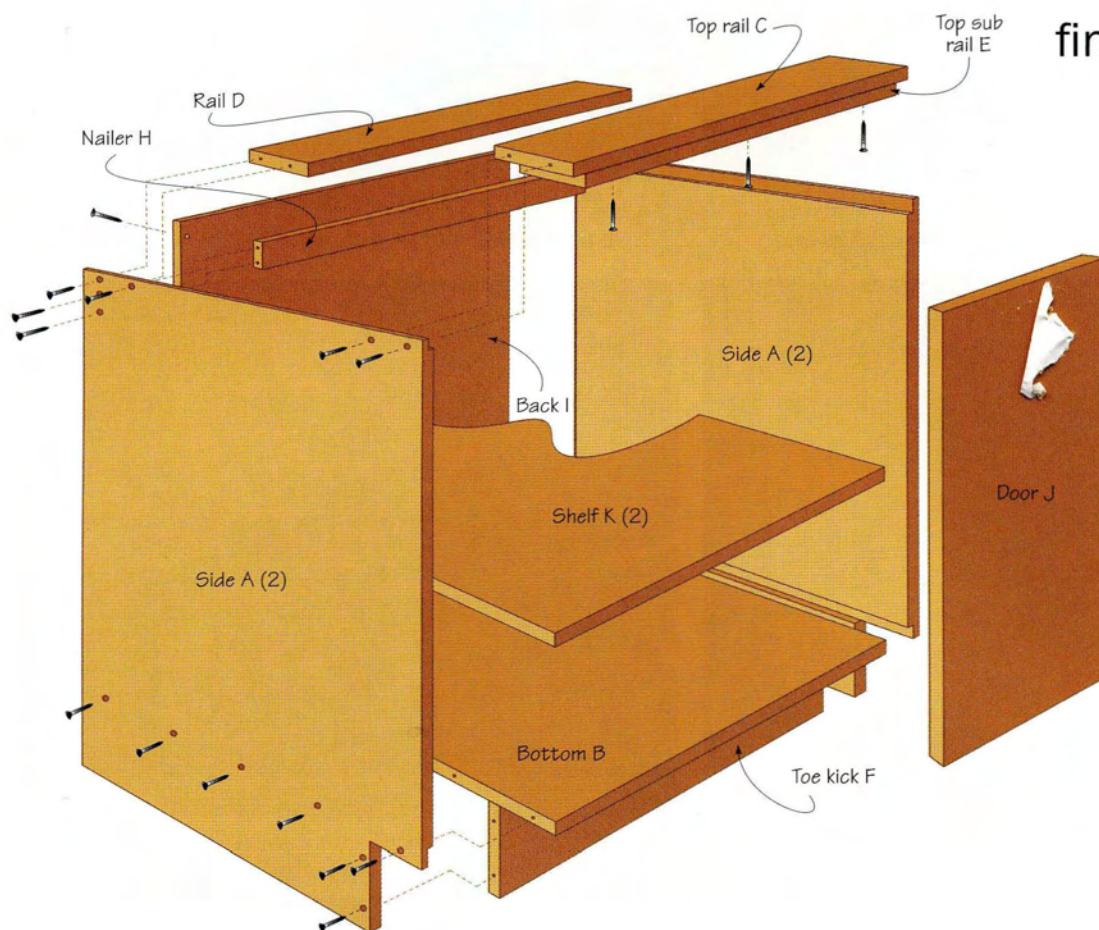
12 Add glue to the rabbets, check for squareness and attach the back.

Bw/o12**HARDWARE NEEDED:**

- 2 95°- opening European hinges
 8 shelf supports (pins), either 5mm or 1/4" hole size required
 1 handle or pull for the door

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	24 (610)	35 1/4 (895)	cut 1/4 x 3/8 dados for bottom, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4 (19)	24 (610)	11 1/4 (285)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4 (19)	4 (102)	11 1/4 (285)	
D	1	rail	plywood	3/4 (19)	3 (76)	11 1/4 (285)	
E	1	top sub rail	plywood	3/4 (19)	3 (76)	10 1/2 (267)	
F	1	toe kick	plywood	3/4 (19)	4 (102)	10 1/2 (267)	
H	1	nailer	plywood	3/4 (19)	3 (76)	10 1/2 (267)	
I	1	back	plywood	1/4 (6)	11 1/4 (285)	30 3/4 (781)	
J	1	door	plywood	3/4 (19)	11 1/4 (285)	30 1/8 (765)	
K	2	shelves	plywood	3/4 (19)	22 1/2 (572)	10 3/8 (264)	

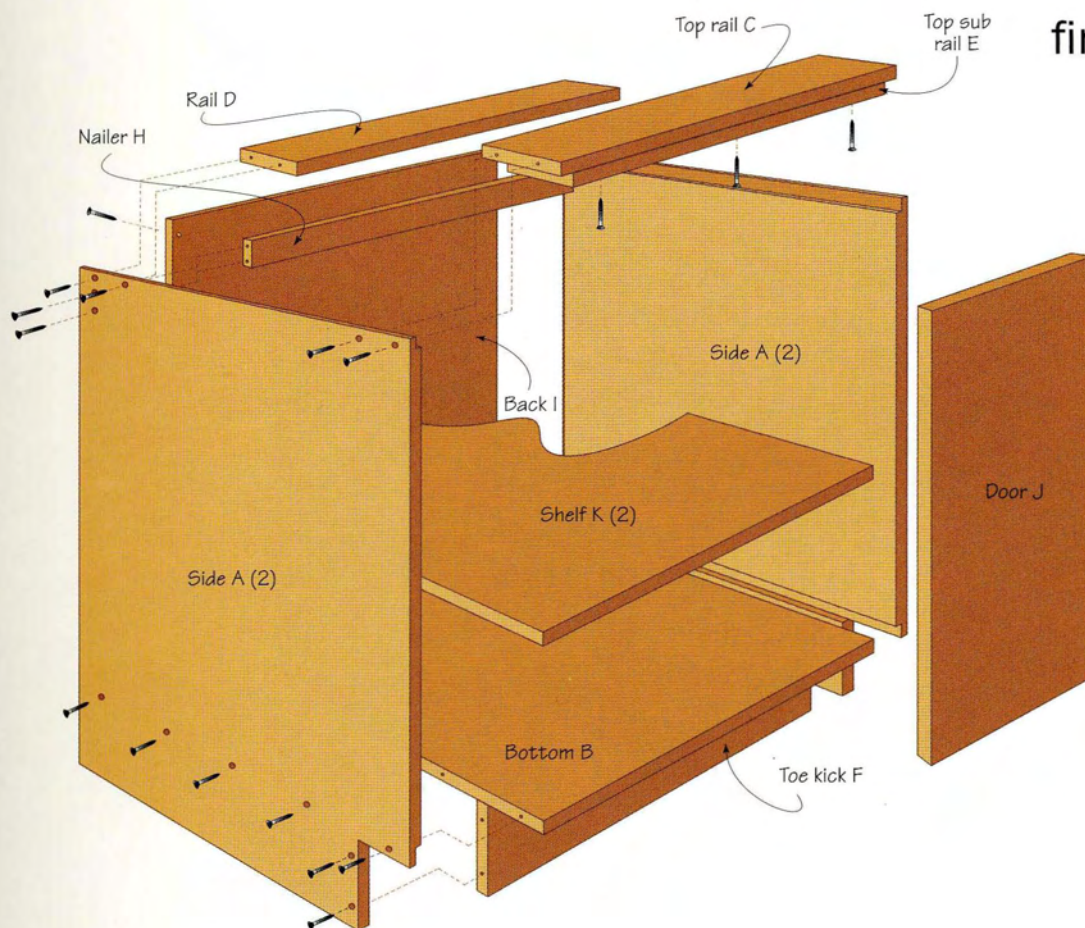
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	Bw/o15		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 1 handle or pull for the door

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	14 1/4	(362)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	14 1/4	(362)	
D	1	rail	plywood	3/4	(19)	3	(76)	14 1/4	(362)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	13 1/2	(343)	
H	1	nailer	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
I	1	back	plywood	1/4	(6)	14 1/4	(362)	30 3/4	(781)	
J	1	door	plywood	3/4	(19)	14 1/4	(362)	30 1/8	(765)	
K	2	shelves	plywood	3/4	(19)	22 1/2	(572)	13 3/8	(340)	

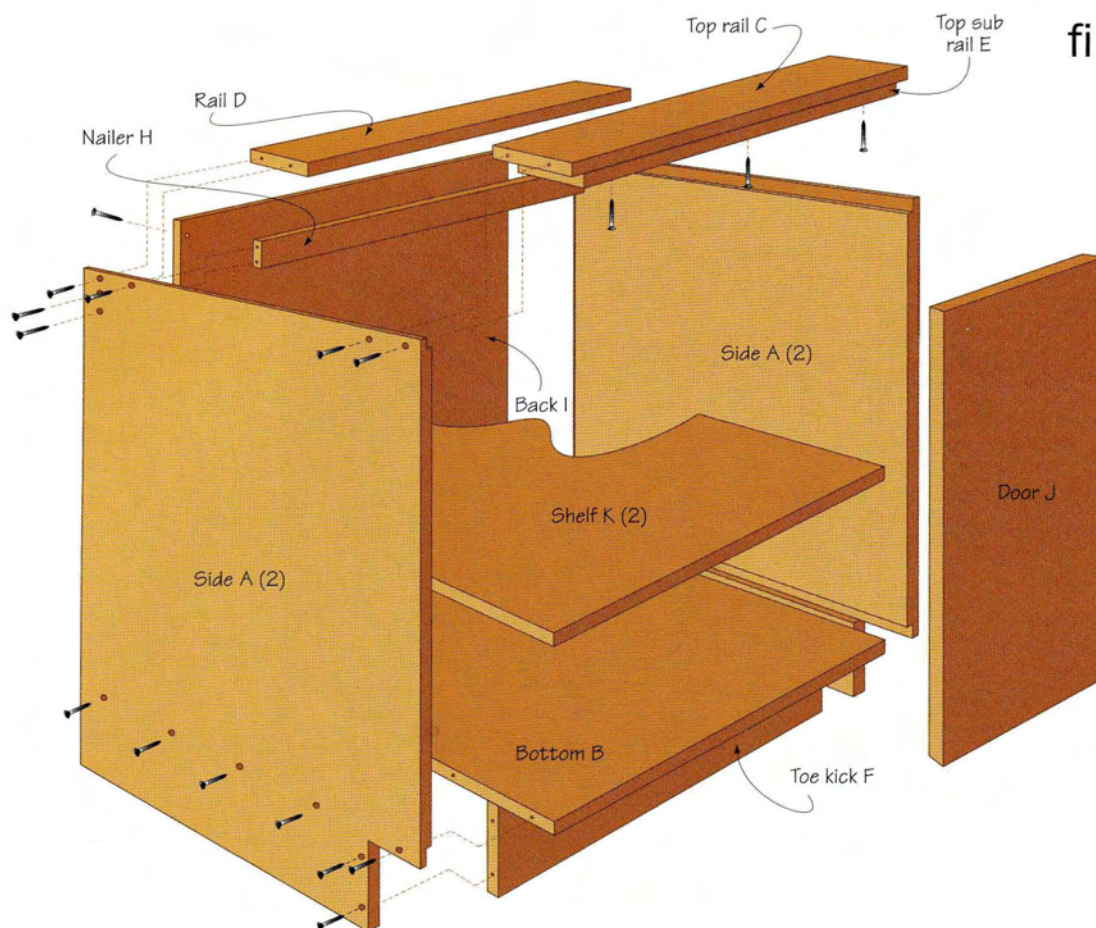
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	Bw/o18		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 1 handle or pull for the door

color

finish



inches (millimeters)

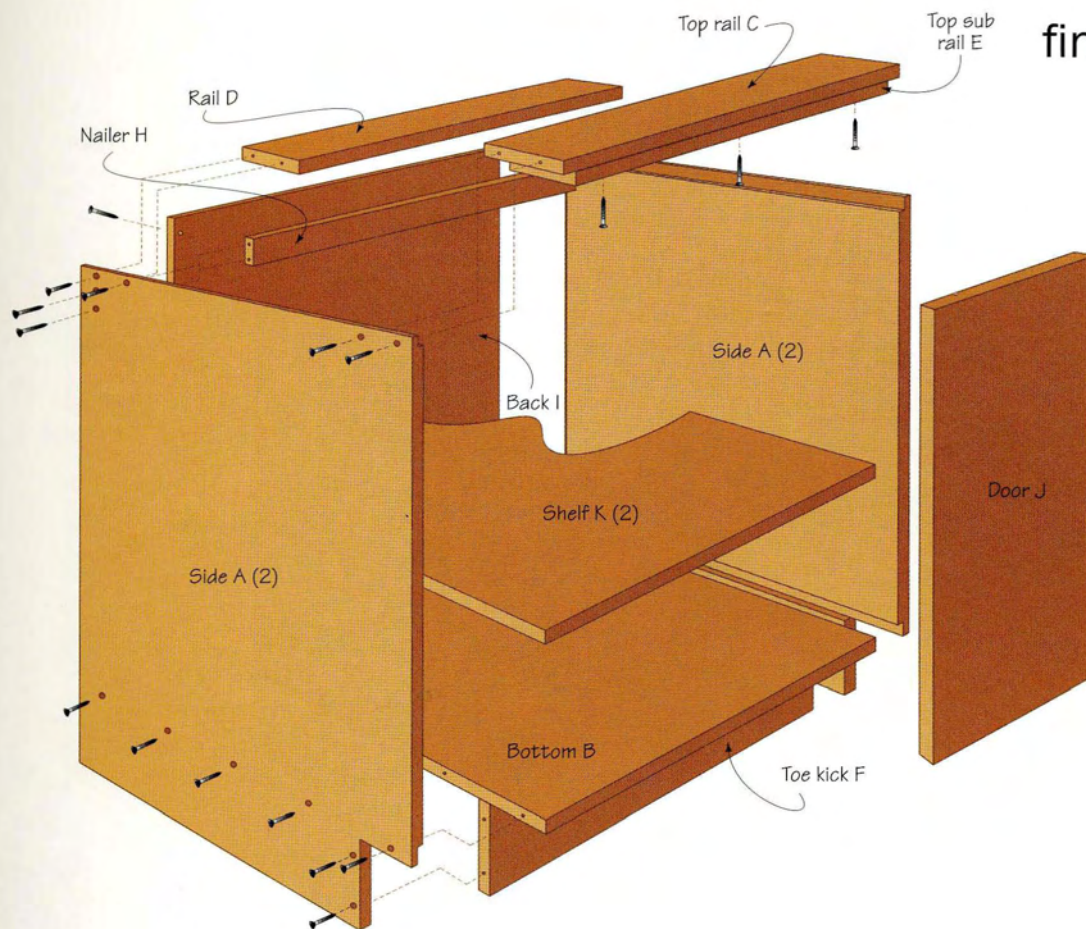
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	17 1/4	(438)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	17 1/4	(438)	
D	1	rail	plywood	3/4	(19)	3	(76)	17 1/4	(438)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	16 1/2	(419)	
H	1	nailer	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
I	1	back	plywood	1/4	(6)	17 1/4	(438)	30 3/4	(781)	
J	1	door	plywood	3/4	(19)	17 1/4	(438)	30 1/8	(765)	
K	2	shelves	plywood	3/4	(19)	22 1/2	(572)	16 3/8	(416)	

Bw/o21**HARDWARE NEEDED:**

- 2 95°- opening European hinges
 8 shelf supports (pins), either 5mm or 1/4" hole size required
 1 handle or pull for the door

color

finish



inches (millimeters)

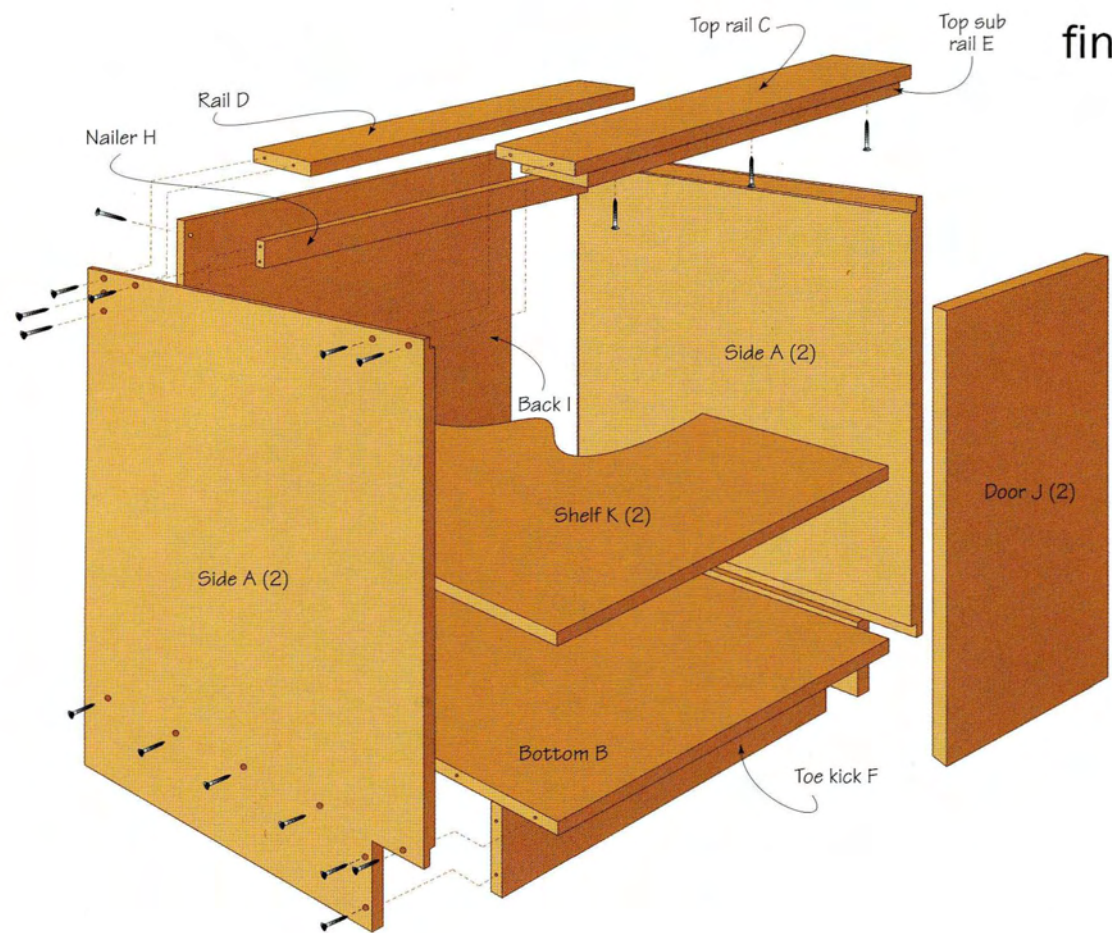
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	20 1/4	(514)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	20 1/4	(514)	
D	1	rail	plywood	3/4	(19)	3	(76)	20 1/4	(514)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	19 1/2	(496)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	19 1/2	(496)	
H	1	nailer	plywood	3/4	(19)	3	(76)	19 1/2	(496)	
I	1	back	plywood	1/4	(6)	20 1/4	(514)	30 3/4	(781)	
J	1	door	plywood	3/4	(19)	20 1/4	(514)	30 1/8	(765)	
K	2	shelves	plywood	3/4	(19)	22 1/2	(572)	19 3/8	(493)	

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	23 1/4	(590)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	23 1/4	(590)	
D	1	rail	plywood	3/4	(19)	3	(76)	23 1/4	(590)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	22 1/2	(572)	
H	1	nailer	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
I	1	back	plywood	1/4	(6)	23 1/4	(590)	30 3/4	(781)	
J	2	doors	plywood	3/4	(19)	11 9/16	(293)	30 1/8	(765)	
K	2	shelves	plywood	3/4	(19)	22 1/2	(572)	22 3/8	(569)	

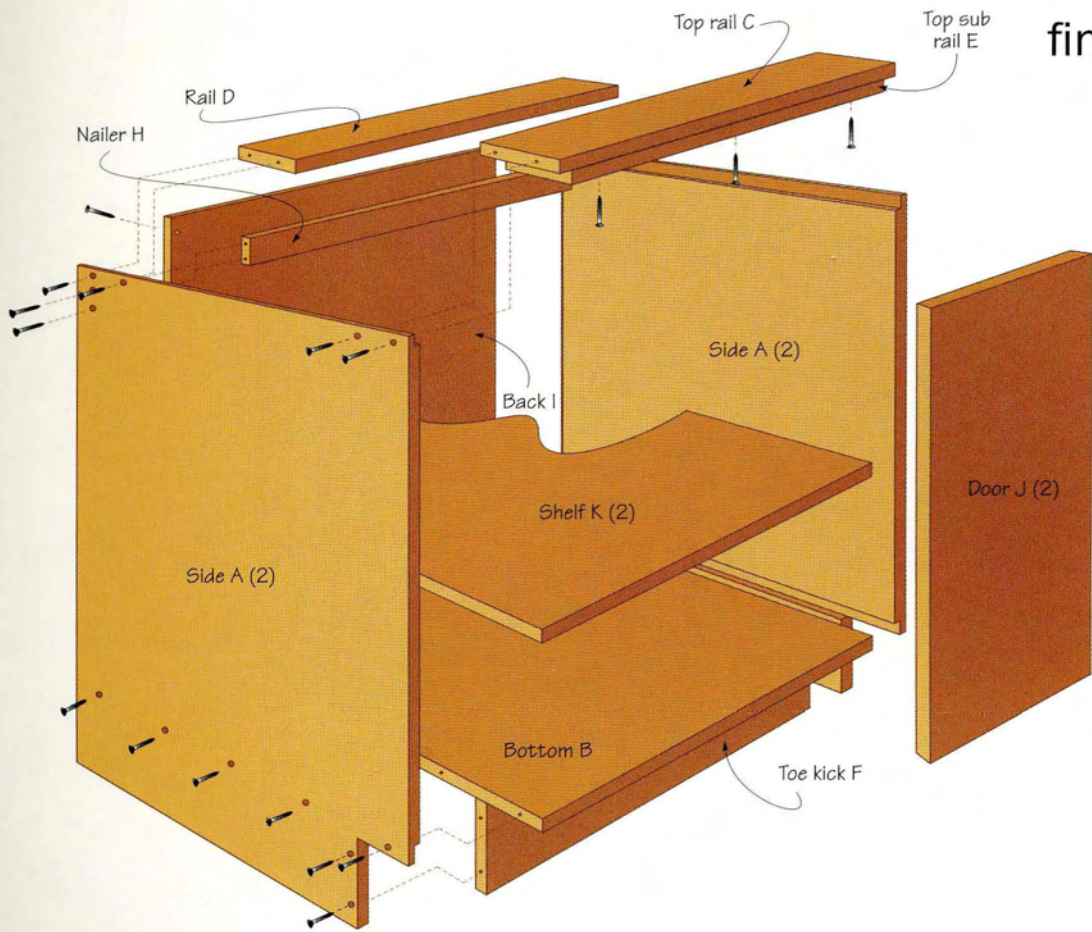
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	Bw/o27		

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	26 1/4	(666)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	26 1/4	(666)	
D	1	rail	plywood	3/4	(19)	3	(76)	26 1/4	(666)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	25 1/2	(648)	
H	1	nailer	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
I	1	back	plywood	1/4	(6)	26 1/4	(666)	30 3/4	(781)	
J	2	doors	plywood	3/4	(19)	13 1/16	(332)	30 1/8	(765)	
K	2	shelves	plywood	3/4	(19)	22 1/2	(572)	25 3/8	(645)	

Bw/o27

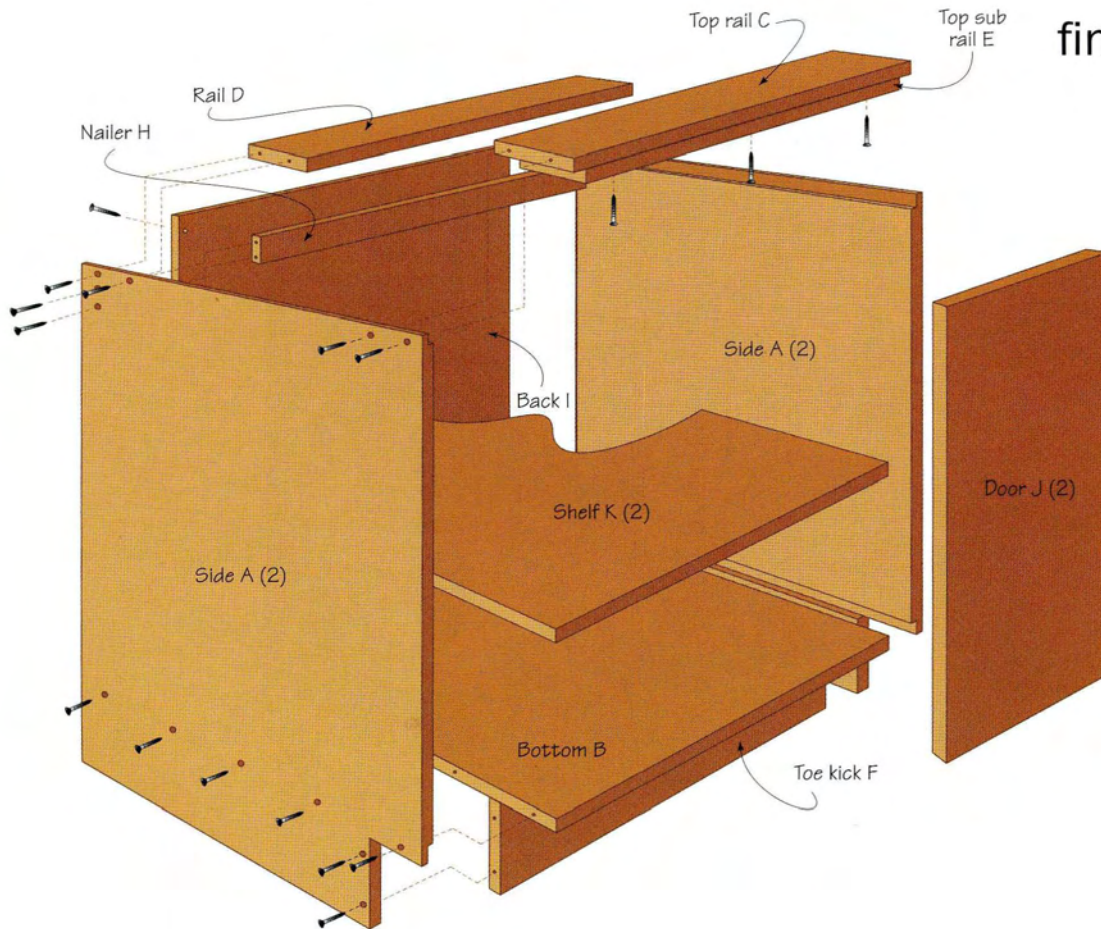
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	Bw/o30		

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	29 1/4	(743)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	29 1/4	(743)	
D	1	rail	plywood	3/4	(19)	3	(76)	29 1/4	(743)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	28 1/2	(724)	
H	1	nailer	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
I	1	back	plywood	1/4	(6)	29 1/4	(743)	30 3/4	(781)	
J	2	doors	plywood	3/4	(19)	14 9/16	(370)	30 1/8	(765)	
K	2	shelves	plywood	3/4	(19)	22 1/2	(572)	28 3/8	(721)	

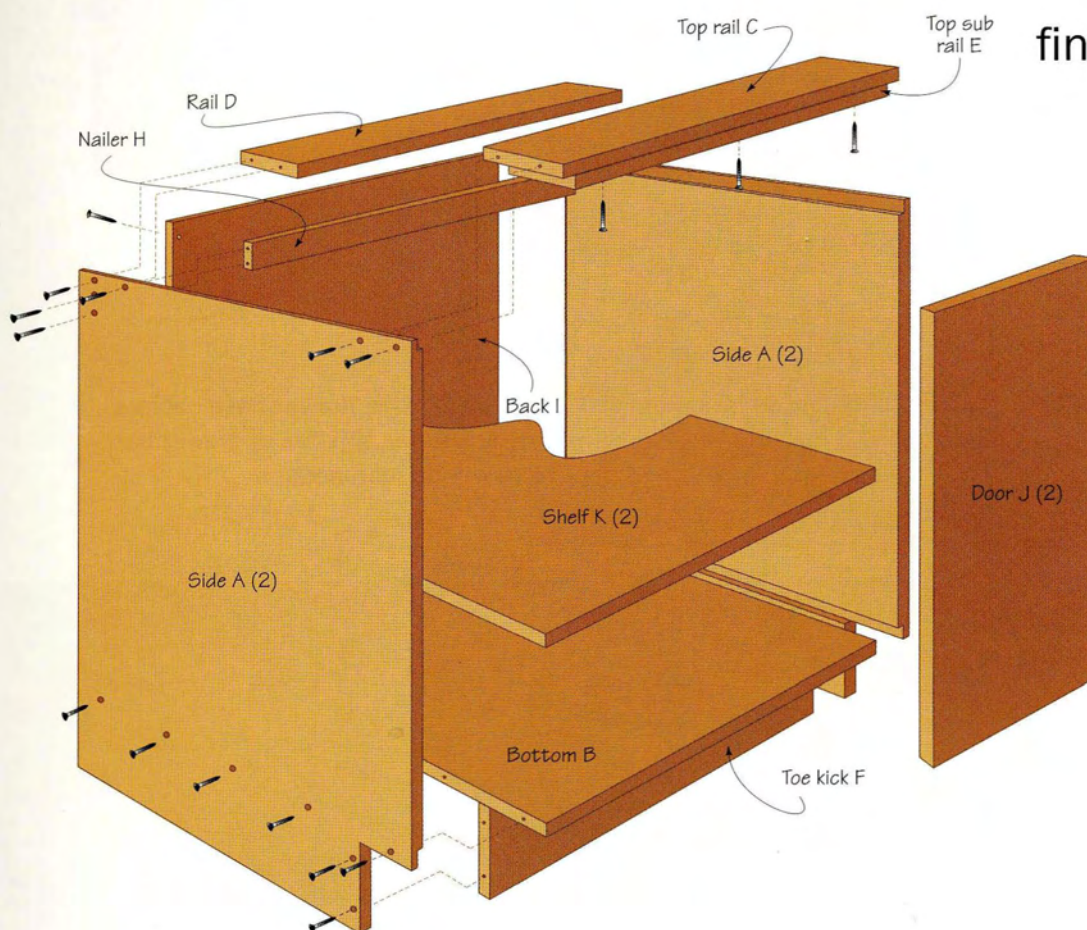
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	Bw/oWX		

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	24 (610)	35 1/4 (895)	cut 1/4 x 3/8 dadoes for bottom, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4 (19)	24 (610)	WX-3/4 (-19)	WX = width of cabinet, cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4 (19)	4 (102)	WX-3/4 (-19)	
D	1	rail	plywood	3/4 (19)	3 (76)	WX-3/4 (-19)	
E	1	top sub rail	plywood	3/4 (19)	3 (76)	WX-1 1/2 (-38)	
F	1	toe kick	plywood	3/4 (19)	4 (102)	WX-1 1/2 (-38)	
H	1	nailer	plywood	3/4 (19)	3 (76)	WX-1 1/2 (-38)	
I	1	back	plywood	1/4 (6)	WX-3/4 (-19)	30 3/4 (781)	
J	2	doors	plywood	3/4 (19)	WX-3/4 (-19)	30 1/8 (765)	24 or wider WX-7/8 ÷ 2
K	2	shelves	plywood	3/4 (19)	22 1/2 (572)	WX-1 5/8 (-41)	

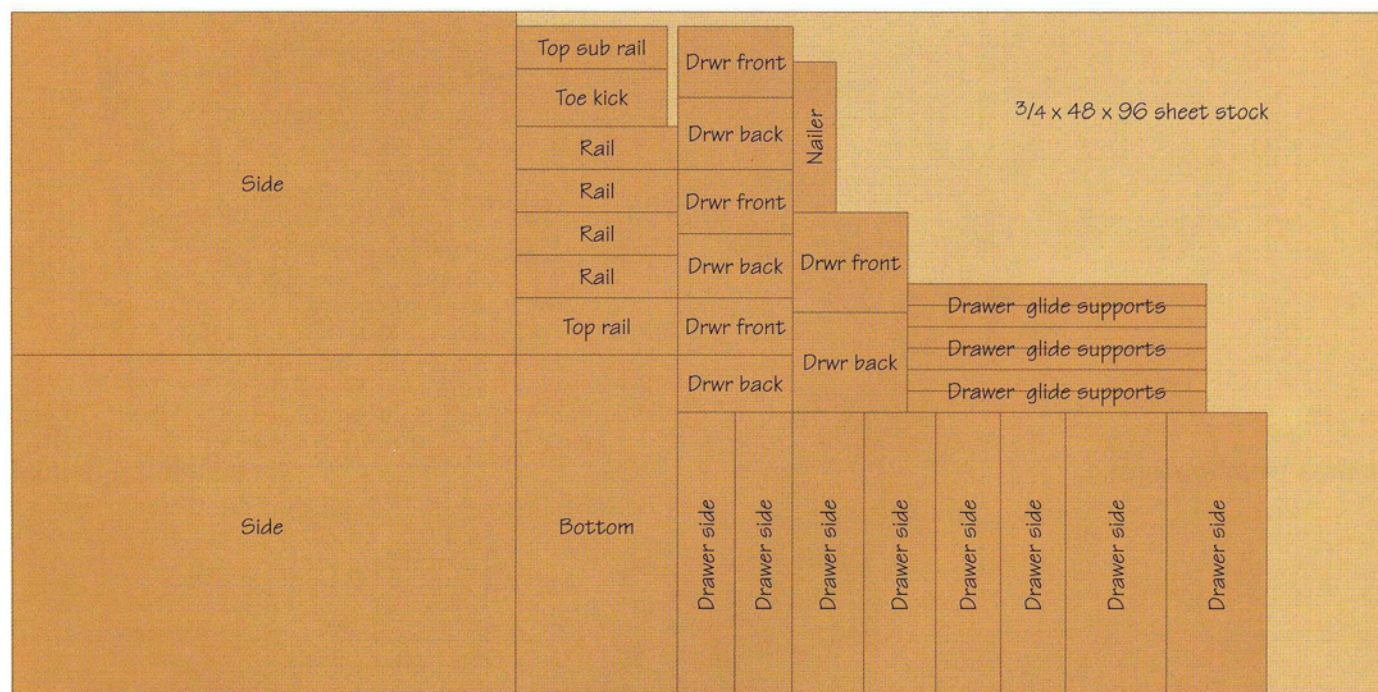


base cabinets with drawers

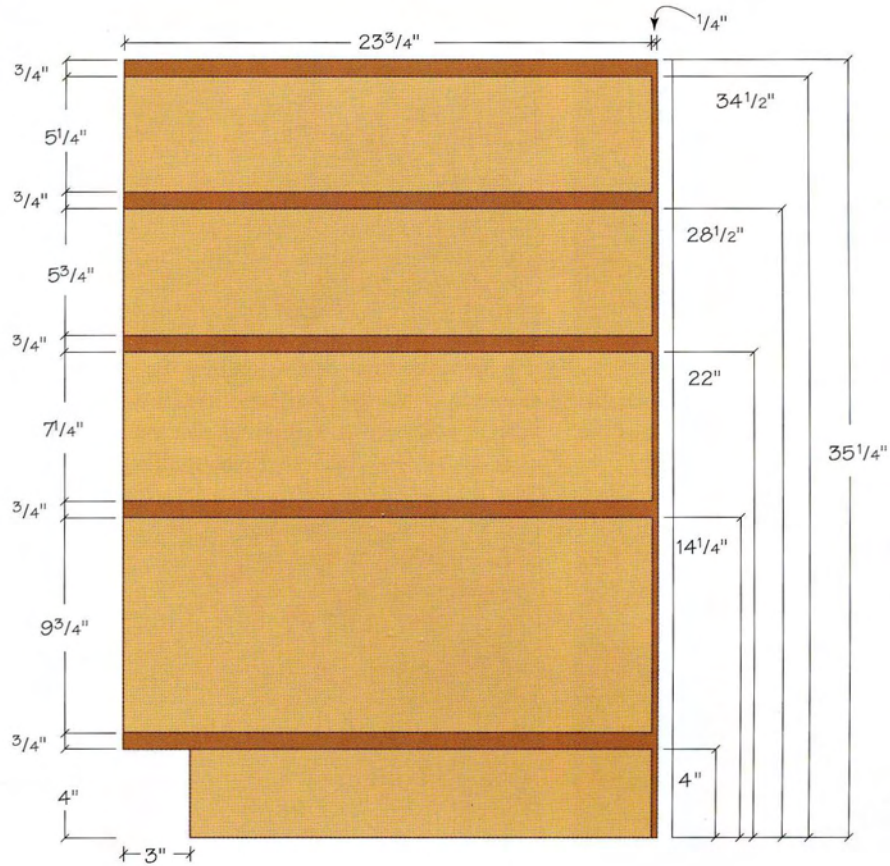


OPTIMIZATION OF PARTS

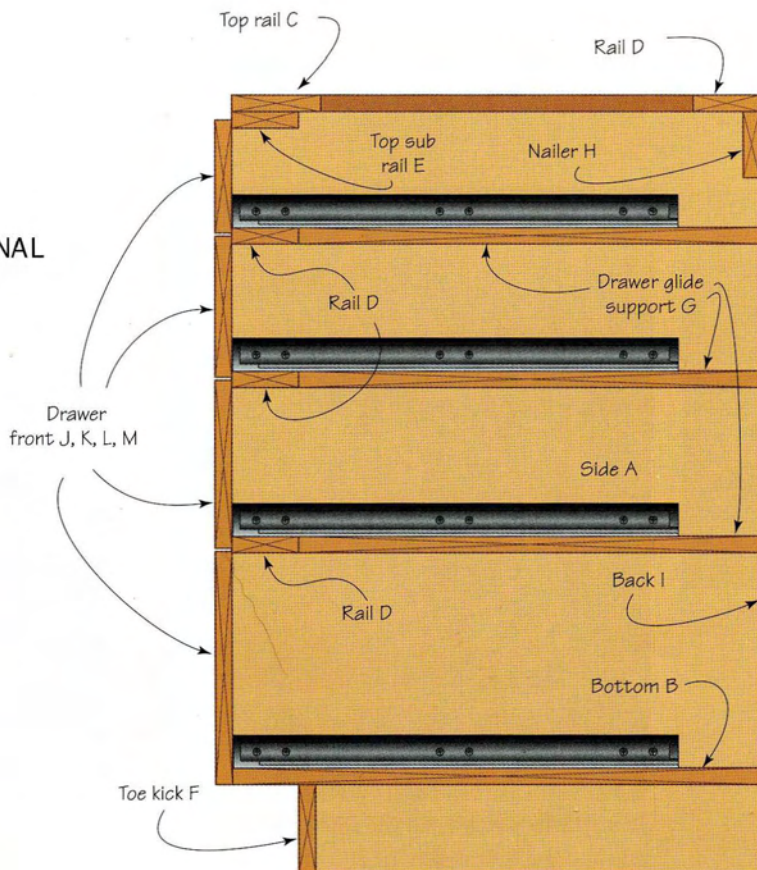
This optimization drawing is for a 12"-wide drawer base cabinet. The layout of the parts will be similar for all sizes of drawer base cabinets. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL

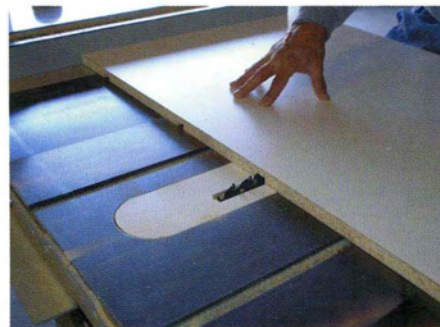




1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router setup on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to 4" and cut the dado for the bottom panel first. See the illustration for layout details.



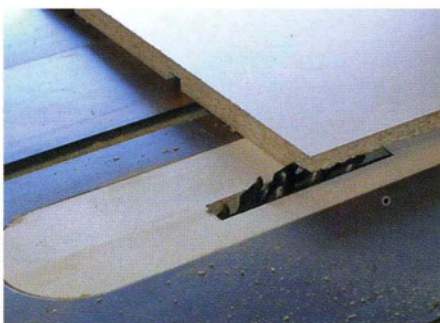
2 Reset the fence at $14\frac{1}{4}$ " and cut the dado for the bottom drawer glide supports. If you're using your router, you can reset the fence on the router table (if the table is large enough) or use a straightedge to guide the router for this cut.



3 Reset the fence to 22" and cut the dado for the next drawer glide support.



4 Reset the fence to $28\frac{1}{2}$ " and cut the dado for the top drawer glide support.



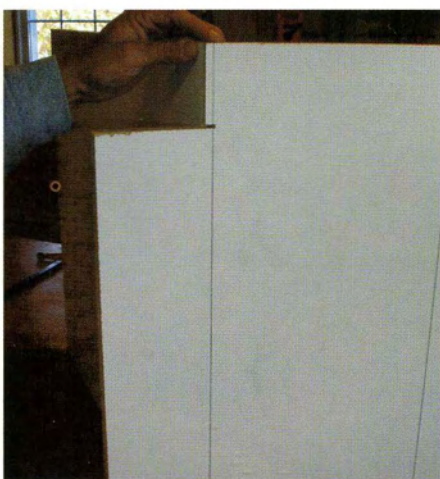
5 Reset the fence to $34\frac{1}{4}$ " and cut the rabbet for the top rails.



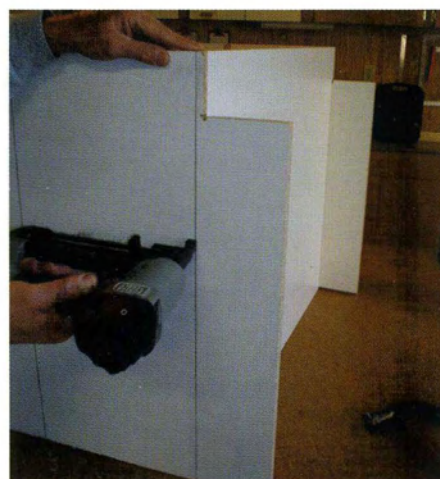
6 Reset the fence to $23\frac{3}{4}$ " and cut the rabbets for the back panel. Then, make right and left pairs of the cabinet sides and cut the toe kick notches. See "Cutting Toe Kick Notches" on page 8.



7 Run a bead of glue in the dado for the bottom panel.



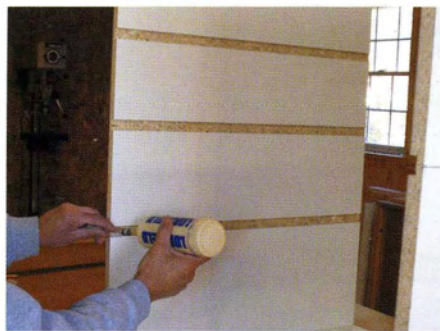
8 Stand the right side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



9 Attach the left side the same way as the right side.



10 Attach the toe kick between the sides.



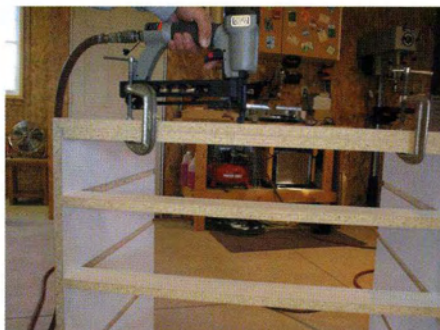
11 Stand the cabinet up, then install the rails using glue and staples or screws. Use a bar clamp to hold the sides tight to the rails.



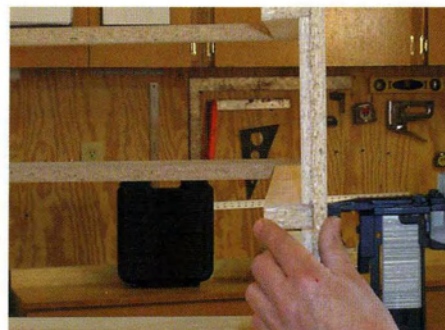
12 Start at the bottom of the cabinet and work your way up, installing the rails as you go.



13 Secure all the rails with staples or screws.



14 After installing all of the front rails, install the sub rail under the top front rail. Secure it with staples or 1 1/4"-long No.8 drywall screws.



15 Install the drawer glide supports.



16 Install the nailer at the back of the cabinet.



17 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



18 Add glue to the rabbets and set the back panel in place. Be sure to check for squareness of the cabinet, then attach the back.

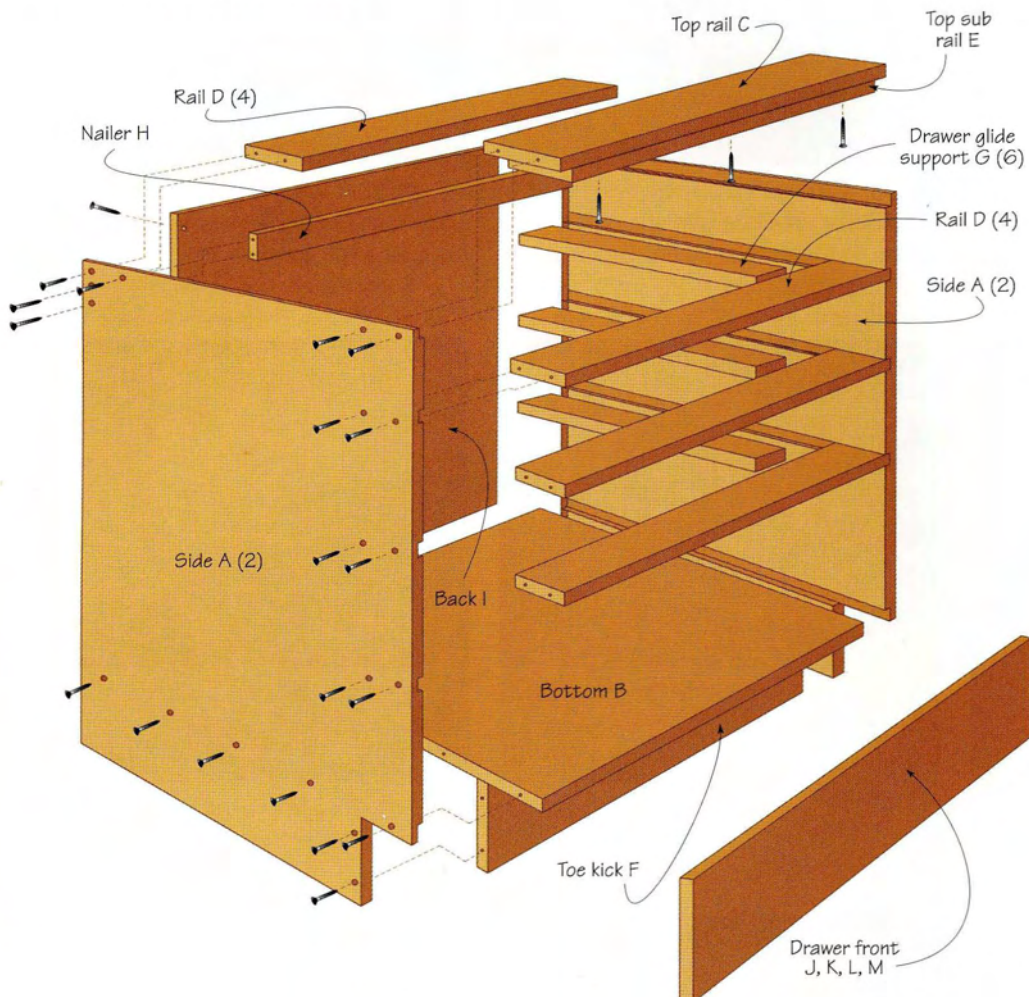
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DB12		

HARDWARE NEEDED:

4 sets 20"- full extension drawer slides
4 handles or pulls for the drawers

color

finish



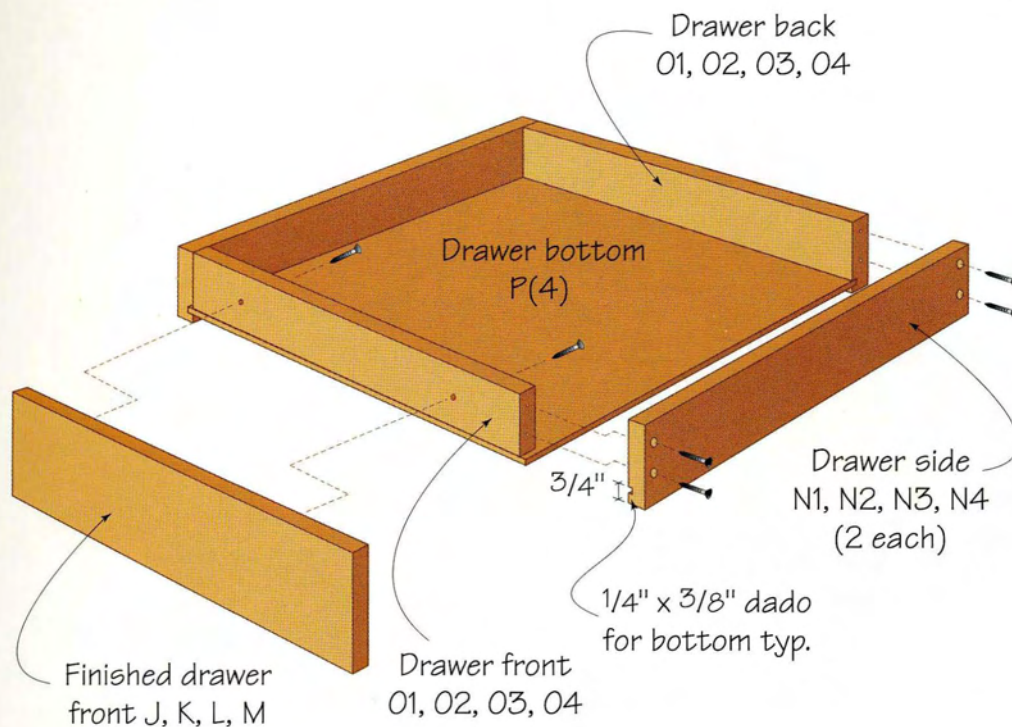
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	24	(610)	$35\frac{1}{4}$	(895)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	24	(610)	$11\frac{1}{4}$	(285)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$	(19)	4	(102)	$11\frac{1}{4}$	(285)	
D	4	rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$11\frac{1}{4}$	(285)	
E	1	top sub rail	plywood	$\frac{3}{4}$	(19)	3	(76)	$10\frac{1}{2}$	(267)	
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$10\frac{1}{2}$	(267)	
G	6	drawer glide supports	plywood	$\frac{3}{4}$	(19)	$1\frac{1}{2}$	(38)	$20\frac{3}{4}$	(527)	
H	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$10\frac{1}{2}$	(267)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$11\frac{1}{4}$	(285)	$30\frac{3}{4}$	(781)	
J	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$11\frac{1}{4}$	(285)	
K	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{8}$	(162)	$11\frac{1}{4}$	(285)	
L	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$7\frac{5}{8}$	(194)	$11\frac{1}{4}$	(285)	
M	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$10\frac{9}{16}$	(268)	$11\frac{1}{4}$	(285)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DB12		

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
N1	2	drawer sides	plywood	$\frac{3}{4}$	(19)	4	(102)	20	(508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
N2	2	drawer sides	plywood	$\frac{3}{4}$	(19)	$4\frac{1}{2}$	(115)	20	(508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
N3	2	drawer sides	plywood	$\frac{3}{4}$	(19)	5	(127)	20	(508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
N4	2	drawer sides	plywood	$\frac{3}{4}$	(19)	7	(178)	20	(508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
O1	2	drawer front and back	plywood	$\frac{3}{4}$	(19)	4	(102)	8	(203)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
O2	2	drawer front and back	plywood	$\frac{3}{4}$	(19)	$4\frac{1}{2}$	(115)	8	(203)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
O3	2	drawer front and back	plywood	$\frac{3}{4}$	(19)	5	(127)	8	(203)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
O4	2	drawer front and back	plywood	$\frac{3}{4}$	(19)	7	(178)	8	(203)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
P	4	bottoms	plywood	$\frac{1}{4}$	(6)	$19\frac{9}{16}$	(497)	$8\frac{3}{4}$	(222)	

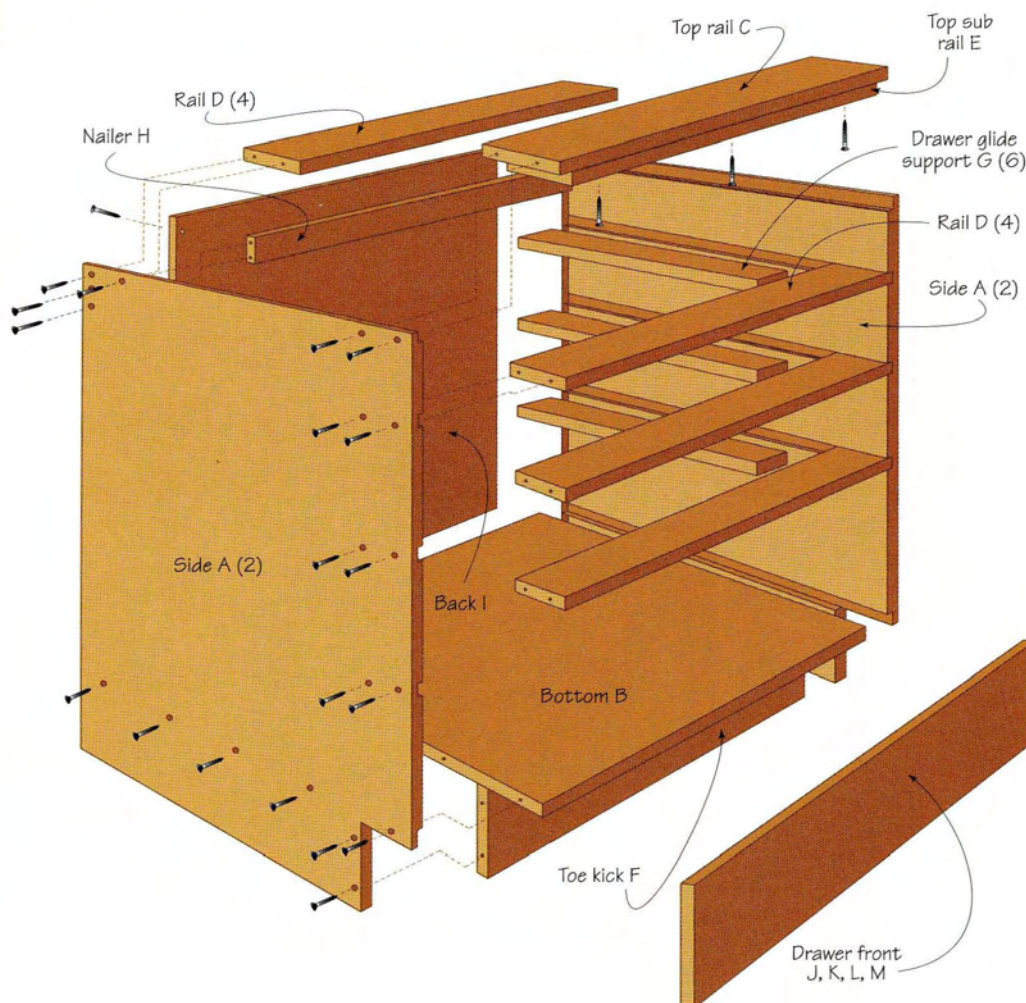
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DB15		

HARDWARE NEEDED:

4 sets 20" - full extension drawer slides
4 handles or pulls for the drawers

color

finish



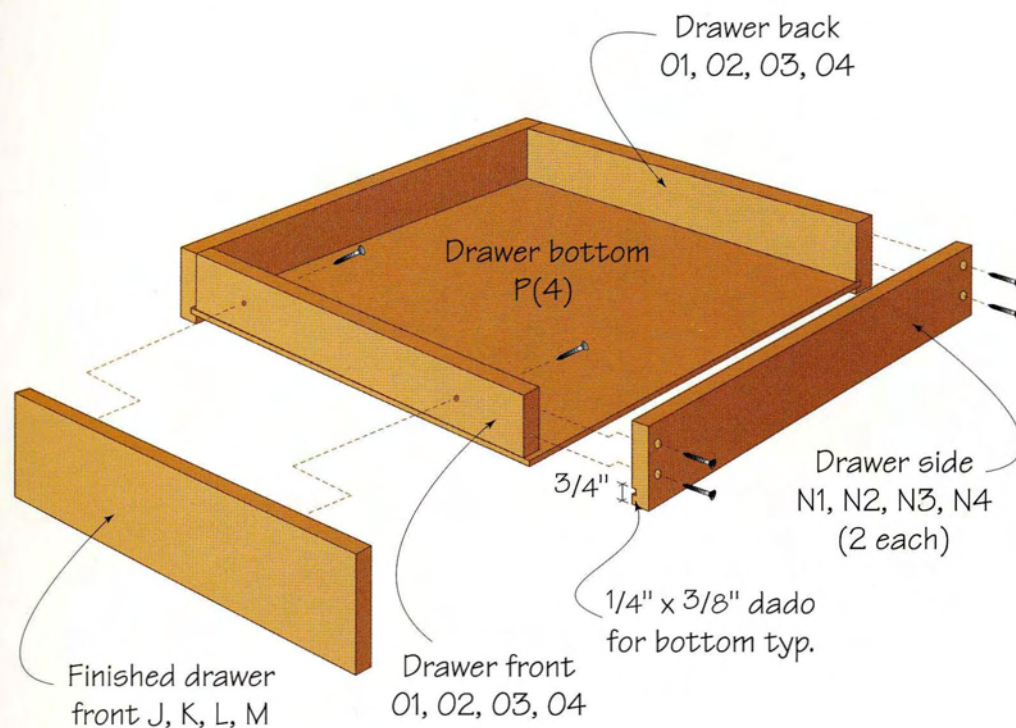
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	14 1/4	(362)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	14 1/4	(362)	
D	4	rails	plywood	3/4	(19)	3	(76)	14 1/4	(362)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	13 1/2	(343)	
G	6	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
I	1	back	plywood	1/4	(6)	14 1/4	(362)	30 3/4	(781)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	14 1/4	(362)	
K	1	finished drawer front	plywood	3/4	(19)	6 3/8	(162)	14 1/4	(362)	
L	1	finished drawer front	plywood	3/4	(19)	7 5/8	(194)	14 1/4	(362)	
M	1	finished drawer front	plywood	3/4	(19)	10 9/16	(268)	14 1/4	(362)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DB15		

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
N1	2	drawer sides	plywood	$\frac{3}{4}$	(19)	4	(102)	20	(508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
N2	2	drawer sides	plywood	$\frac{3}{4}$	(19)	4 $\frac{1}{2}$	(115)	20	(508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
N3	2	drawer sides	plywood	$\frac{3}{4}$	(19)	5	(127)	20	(508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
N4	2	drawer sides	plywood	$\frac{3}{4}$	(19)	7	(178)	20	(508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
O1	2	drawer front and back	plywood	$\frac{3}{4}$	(19)	4	(102)	11	(279)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
O2	2	drawer front and back	plywood	$\frac{3}{4}$	(19)	4 $\frac{1}{2}$	(115)	11	(279)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
O3	2	drawer front and back	plywood	$\frac{3}{4}$	(19)	5	(127)	11	(279)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
O4	2	drawer front and back	plywood	$\frac{3}{4}$	(19)	7	(178)	11	(279)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
P	4	bottoms	plywood	$\frac{1}{4}$	(6)	19 $\frac{9}{16}$	(497)	11 $\frac{3}{4}$	(298)	

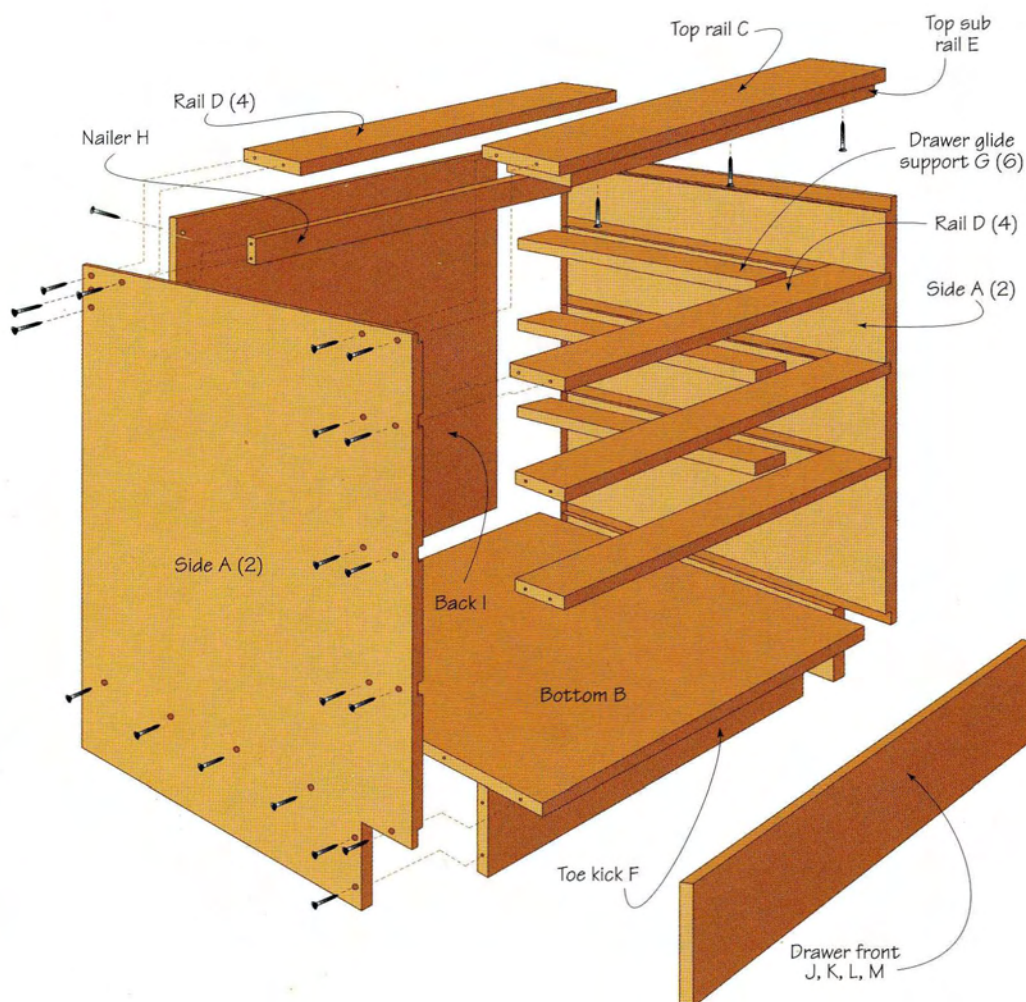
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DB18		

HARDWARE NEEDED:

4 sets 20" - full extension drawer slides
4 handles or pulls for the drawers

color

finish



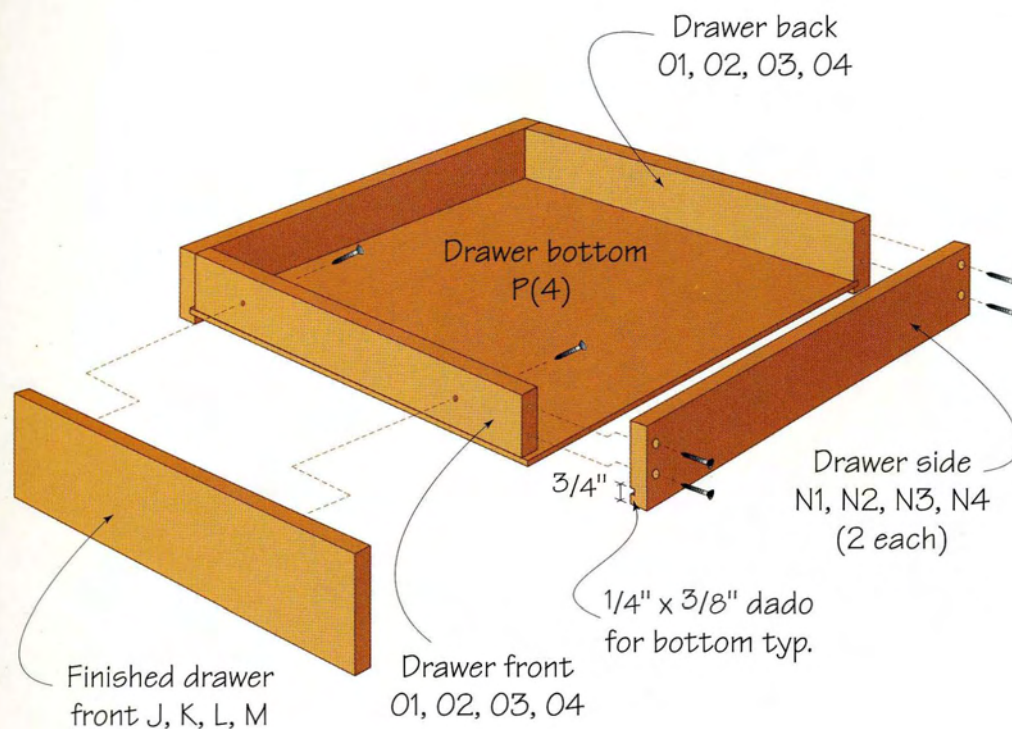
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	17 1/4	(438)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	17 1/4	(438)	
D	4	rails	plywood	3/4	(19)	3	(76)	17 1/4	(438)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	16 1/2	(419)	
G	6	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
I	1	back	plywood	1/4	(6)	17 1/4	(438)	30 3/4	(781)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	17 1/4	(438)	
K	1	finished drawer front	plywood	3/4	(19)	6 3/8	(162)	17 1/4	(438)	
L	1	finished drawer front	plywood	3/4	(19)	7 5/8	(194)	17 1/4	(438)	
M	1	finished drawer front	plywood	3/4	(19)	10 9/16	(268)	17 1/4	(438)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DB18		

color

finish



inches (millimeters)

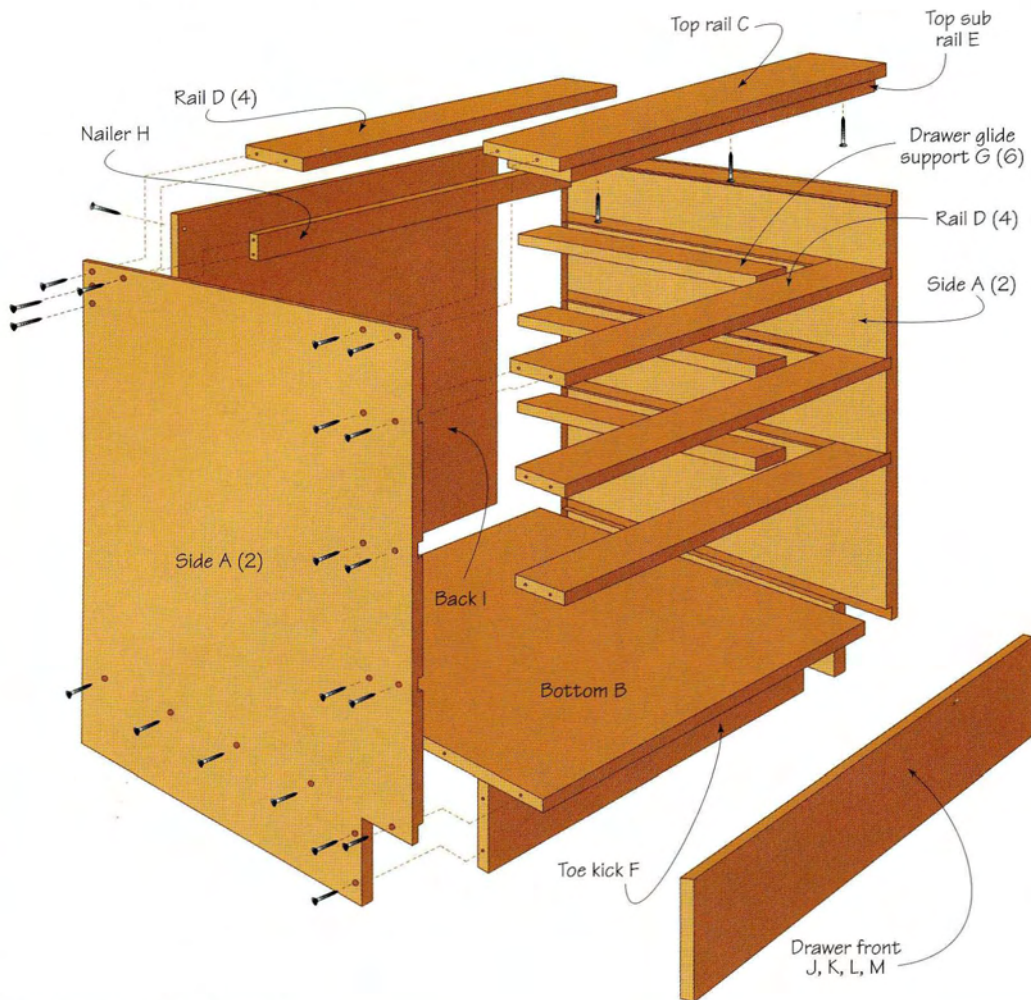
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
N1	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4	(19)	4 1/2	(115)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4	(19)	5	(127)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N4	2	drawer sides	plywood	3/4	(19)	7	(178)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4	(19)	4	(102)	14	(356)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4	(19)	4 1/2	(115)	14	(356)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4	(19)	5	(127)	14	(356)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O4	2	drawer front and back	plywood	3/4	(19)	7	(178)	14	(356)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	4	bottoms	plywood	1/4	(6)	19 9/16	(497)	14 3/4	(375)	

DB21**HARDWARE NEEDED:**

4 sets 20" - full extension drawer slides
 4 handles or pulls for the drawers

color

finish



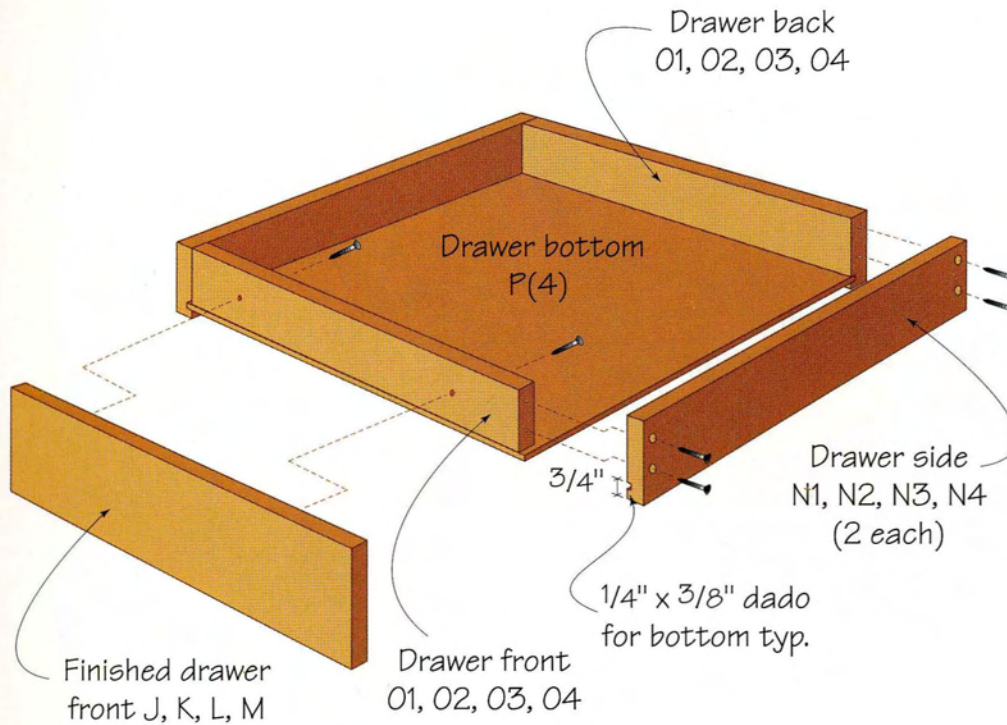
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	24	(610)	$35\frac{1}{4}$	(895)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3"x4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	24	(610)	$20\frac{1}{4}$	(514)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$	(19)	4	(102)	$20\frac{1}{4}$	(514)	
D	4	rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$20\frac{1}{4}$	(514)	
E	1	top sub rail	plywood	$\frac{3}{4}$	(19)	3	(76)	$19\frac{1}{2}$	(496)	
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$19\frac{1}{2}$	(496)	
G	6	drawer glide supports	plywood	$\frac{3}{4}$	(19)	$1\frac{1}{2}$	(38)	$20\frac{3}{4}$	(527)	
H	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$19\frac{1}{2}$	(496)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$20\frac{1}{4}$	(514)	$30\frac{3}{4}$	(781)	
J	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$20\frac{1}{4}$	(514)	
K	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{8}$	(162)	$20\frac{1}{4}$	(514)	
L	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$7\frac{5}{8}$	(194)	$20\frac{1}{4}$	(514)	
M	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$10\frac{9}{16}$	(268)	$20\frac{1}{4}$	(514)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DB21		

color

finish



inches (millimeters)

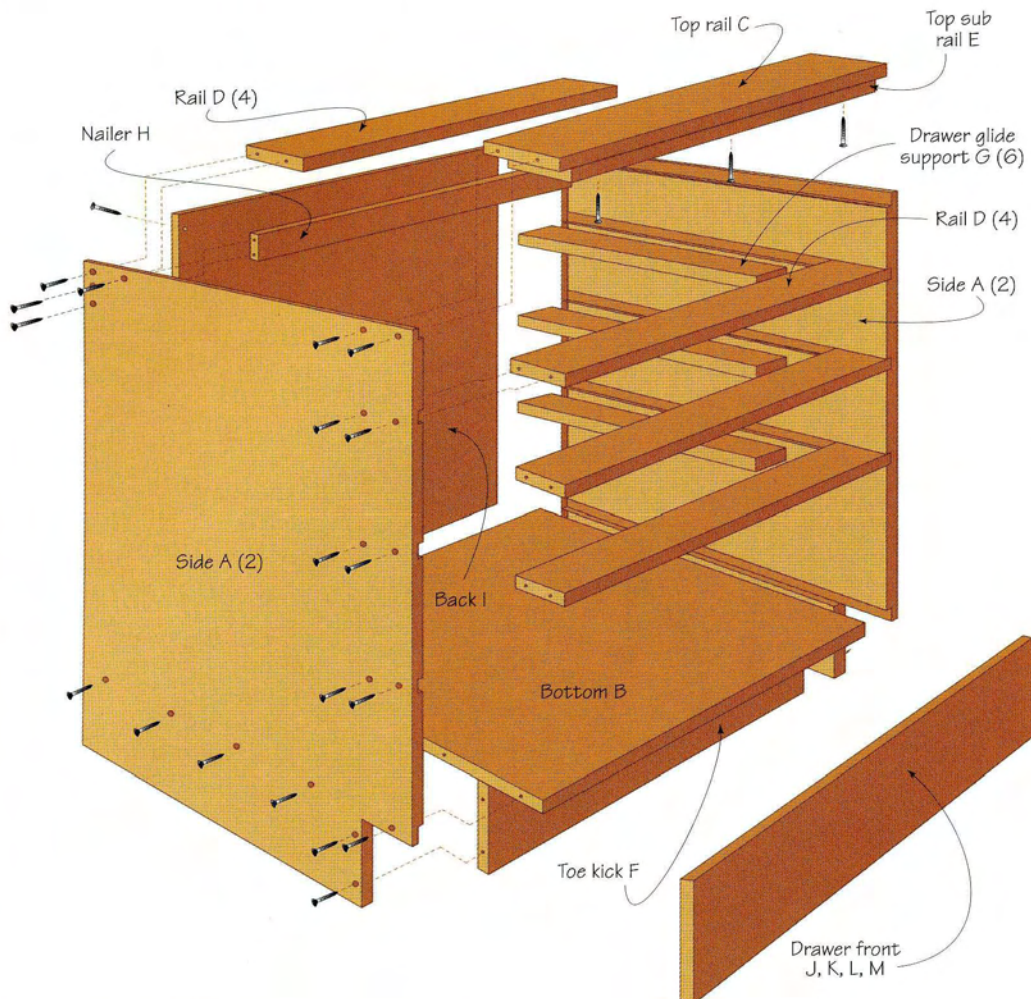
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
N1	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4	(19)	4 1/2	(115)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4	(19)	5	(127)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N4	2	drawer sides	plywood	3/4	(19)	7	(178)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4	(19)	4	(102)	17	(432)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4	(19)	4 1/2	(115)	17	(432)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4	(19)	5	(127)	17	(432)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O4	2	drawer front and back	plywood	3/4	(19)	7	(178)	17	(432)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	4	bottoms	plywood	1/4	(6)	19 9/16	(497)	17 3/4	(451)	

DB24**HARDWARE NEEDED:**

4 sets 20" - full extension drawer slides
 4 handles or pulls for the drawers

color

finish

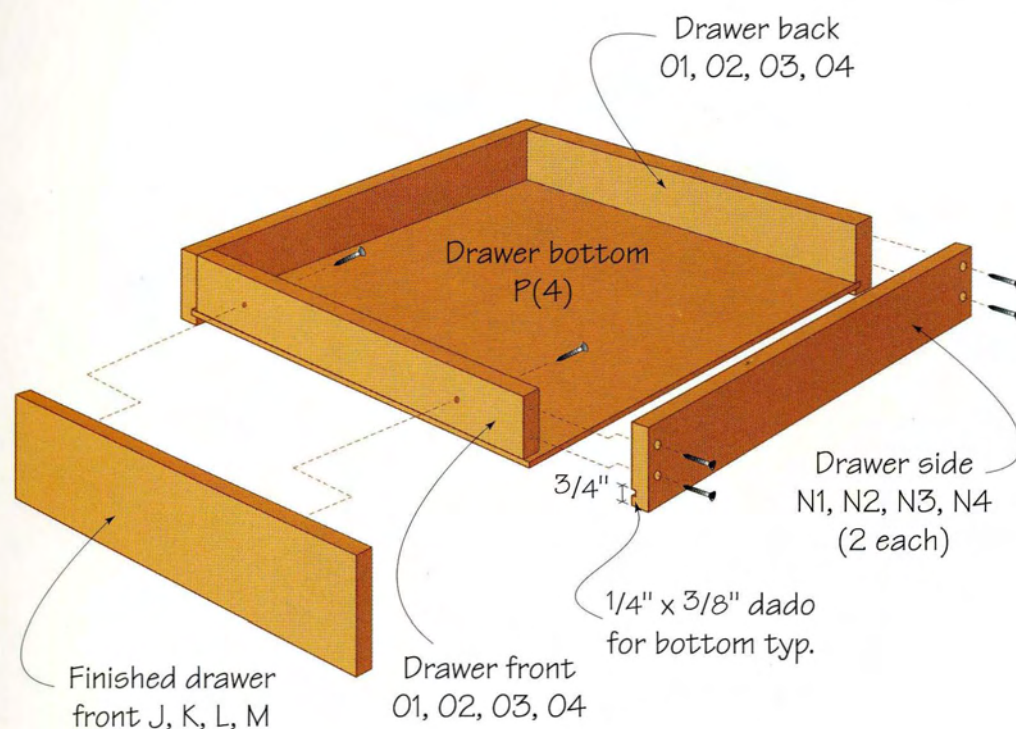
**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	24	(610)	$35\frac{1}{4}$	(895)	cut $\frac{1}{4} \times \frac{3}{8}$ dados for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	24	(610)	$23\frac{1}{4}$	(590)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$	(19)	4	(102)	$23\frac{1}{4}$	(590)	
D	4	rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$23\frac{1}{4}$	(590)	
E	1	top sub rail	plywood	$\frac{3}{4}$	(19)	3	(76)	$22\frac{1}{2}$	(572)	
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$22\frac{1}{2}$	(572)	
G	6	drawer glide supports	plywood	$\frac{3}{4}$	(19)	$1\frac{1}{2}$	(38)	$20\frac{3}{4}$	(527)	
H	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$22\frac{1}{2}$	(572)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$23\frac{1}{4}$	(590)	$30\frac{3}{4}$	(781)	
J	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$23\frac{1}{4}$	(590)	
K	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{8}$	(162)	$23\frac{1}{4}$	(590)	
L	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$7\frac{5}{8}$	(194)	$23\frac{1}{4}$	(590)	
M	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$10\frac{9}{16}$	(268)	$23\frac{1}{4}$	(590)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DB24		

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
N1	2	drawer sides	plywood	$\frac{3}{4}$ (19)	4 (102)	20 (508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
N2	2	drawer sides	plywood	$\frac{3}{4}$ (19)	$4\frac{1}{2}$ (115)	20 (508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
N3	2	drawer sides	plywood	$\frac{3}{4}$ (19)	5 (127)	20 (508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
N4	2	drawer sides	plywood	$\frac{3}{4}$ (19)	7 (178)	20 (508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms
O1	2	drawer front and back	plywood	$\frac{3}{4}$ (19)	4 (102)	20 (508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
O2	2	drawer front and back	plywood	$\frac{3}{4}$ (19)	$4\frac{1}{2}$ (115)	20 (508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
O3	2	drawer front and back	plywood	$\frac{3}{4}$ (19)	5 (127)	20 (508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
O4	2	drawer front and back	plywood	$\frac{3}{4}$ (19)	7 (178)	20 (508)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for drawer bottoms, cut $\frac{3}{4}$ off the front width
P	4	bottoms	plywood	$\frac{1}{4}$ (6)	$19\frac{9}{16}$ (497)	$20\frac{3}{4}$ (527)	

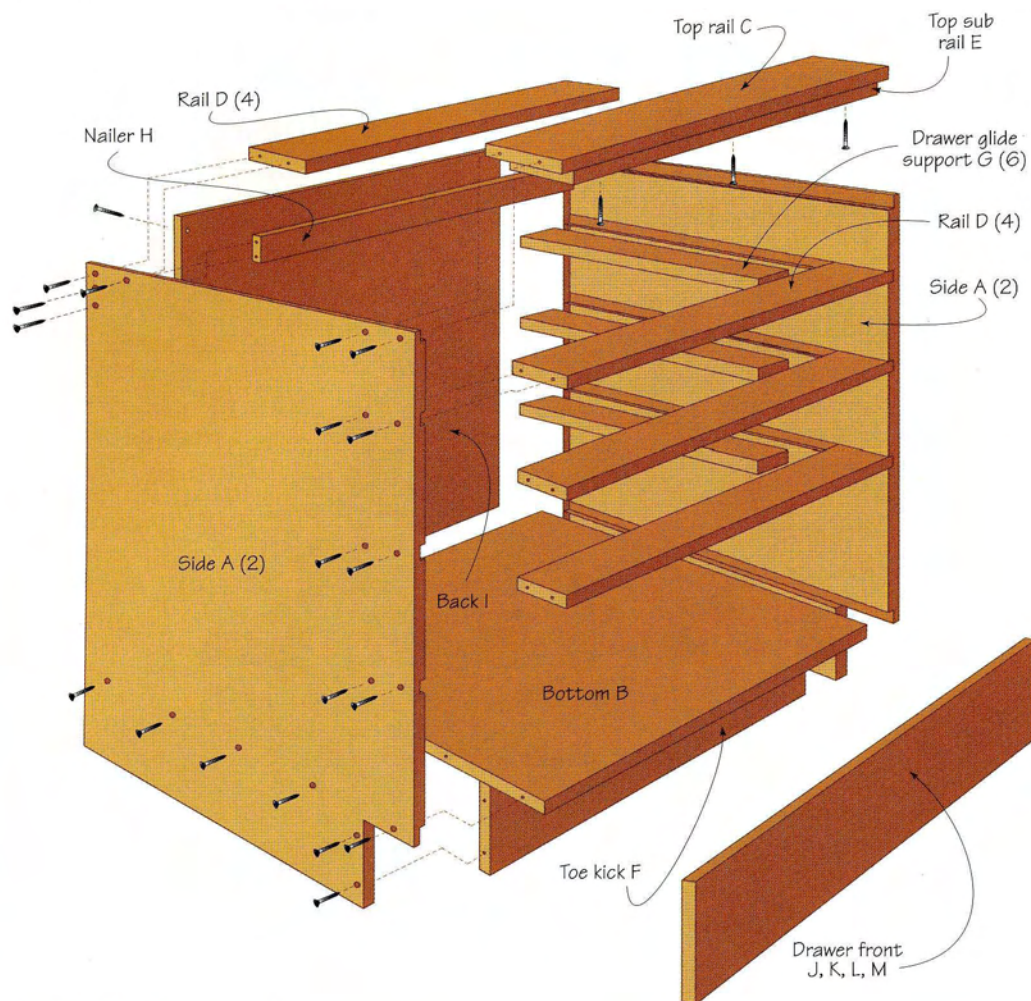
DB27**HARDWARE NEEDED:**

4 sets 20" - full extension drawer slides

4 handles or pulls for the drawers

color

finish

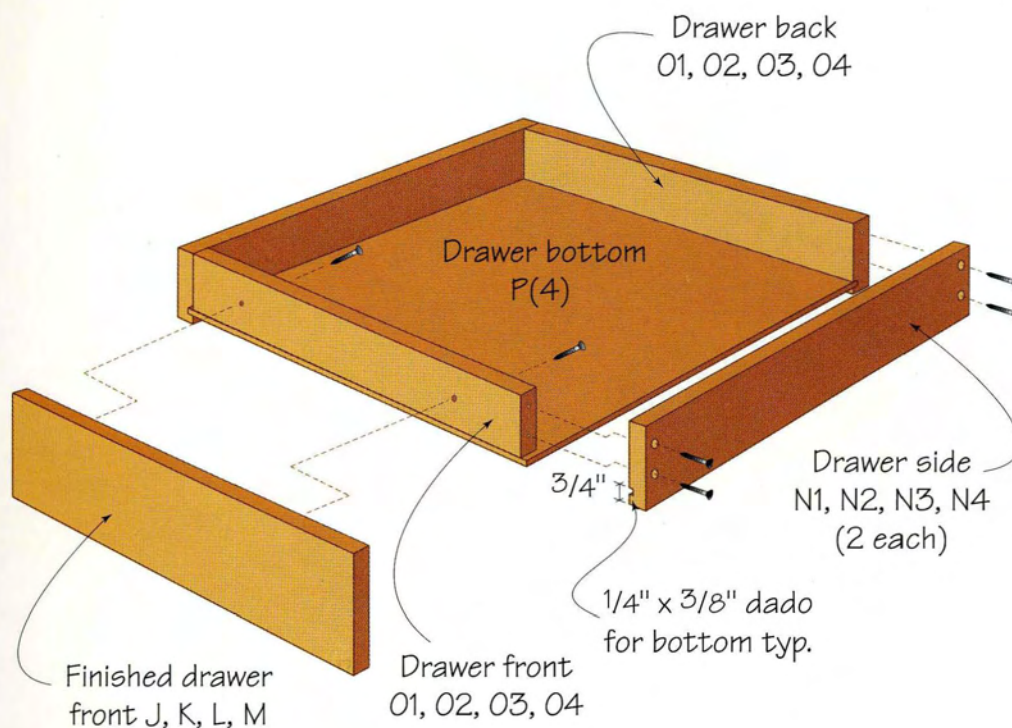
**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$ (19)	24 (610)	$35\frac{1}{4}$ (895)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$ (19)	24 (610)	$26\frac{1}{4}$ (666)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$ (19)	4 (102)	$26\frac{1}{4}$ (666)	
D	4	rails	plywood	$\frac{3}{4}$ (19)	3 (76)	$26\frac{1}{4}$ (666)	
E	1	top sub rail	plywood	$\frac{3}{4}$ (19)	3 (76)	$25\frac{1}{2}$ (648)	
F	1	toe kick	plywood	$\frac{3}{4}$ (19)	4 (102)	$25\frac{1}{2}$ (648)	
G	6	drawer glide supports	plywood	$\frac{3}{4}$ (19)	$1\frac{1}{2}$ (38)	$20\frac{3}{4}$ (527)	
H	1	nailer	plywood	$\frac{3}{4}$ (19)	3 (76)	$25\frac{1}{2}$ (648)	
I	1	back	plywood	$\frac{1}{4}$ (6)	$26\frac{1}{4}$ (666)	$30\frac{3}{4}$ (781)	
J	1	finished drawer front	plywood	$\frac{3}{4}$ (19)	$5\frac{1}{8}$ (130)	$26\frac{1}{4}$ (666)	
K	1	finished drawer front	plywood	$\frac{3}{4}$ (19)	$6\frac{3}{8}$ (162)	$26\frac{1}{4}$ (666)	
L	1	finished drawer front	plywood	$\frac{3}{4}$ (19)	$7\frac{5}{8}$ (194)	$26\frac{1}{4}$ (666)	
M	1	finished drawer front	plywood	$\frac{3}{4}$ (19)	$10\frac{9}{16}$ (268)	$26\frac{1}{4}$ (666)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DB27		

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
N1	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4	(19)	4 1/2	(115)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4	(19)	5	(127)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N4	2	drawer sides	plywood	3/4	(19)	7	(178)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4	(19)	4	(102)	23	(584)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4	(19)	4 1/2	(115)	23	(584)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4	(19)	5	(127)	23	(584)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O4	2	drawer front and back	plywood	3/4	(19)	7	(178)	23	(584)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	4	bottoms	plywood	1/4	(6)	19 9/16	(497)	23 3/4	(603)	

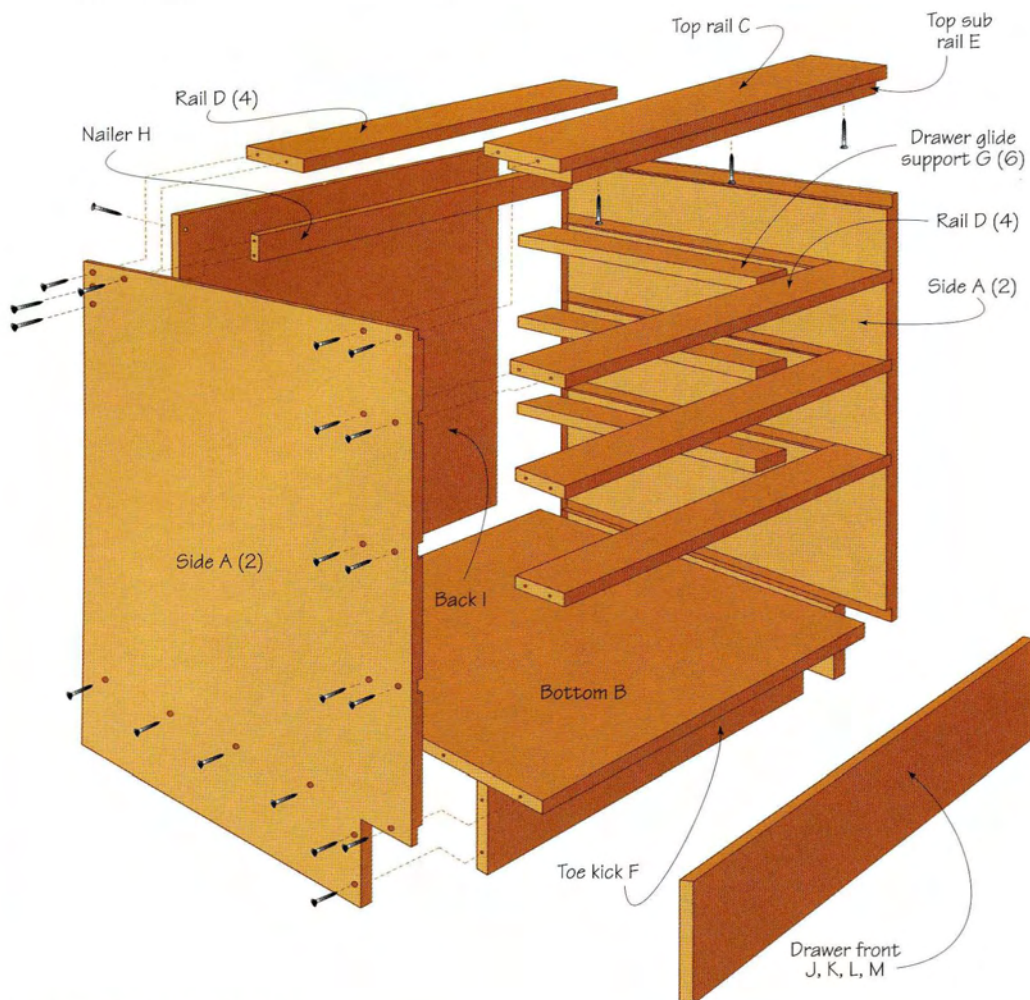
DB30**HARDWARE NEEDED:**

4 sets 20"- full extension drawer slides

4 handles or pulls for the drawers

color

finish

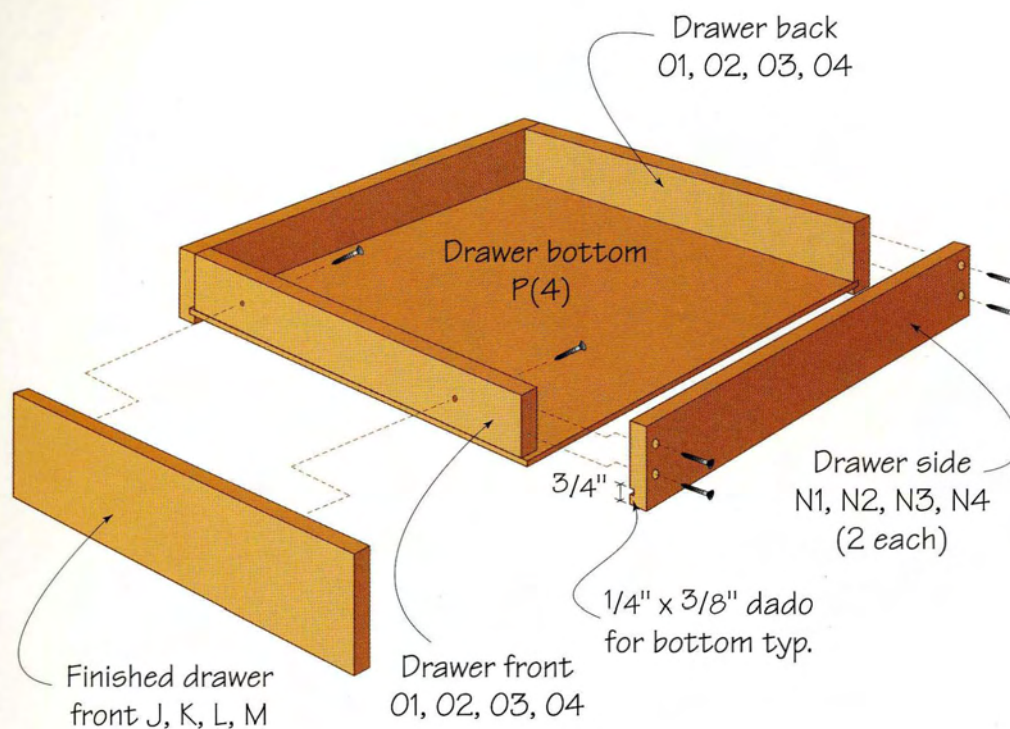
**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	24	(610)	$35\frac{1}{4}$	(895)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	24	(610)	$29\frac{1}{4}$	(743)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$	(19)	4	(102)	$29\frac{1}{4}$	(743)	
D	4	rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$29\frac{1}{4}$	(743)	
E	1	top sub rail	plywood	$\frac{3}{4}$	(19)	3	(76)	$28\frac{1}{2}$	(724)	
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$28\frac{1}{2}$	(724)	
G	6	drawer glide supports	plywood	$\frac{3}{4}$	(19)	$1\frac{1}{2}$	(38)	$20\frac{3}{4}$	(527)	
H	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$28\frac{1}{2}$	(724)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$29\frac{1}{4}$	(743)	$30\frac{3}{4}$	(781)	
J	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$29\frac{1}{4}$	(743)	
K	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{8}$	(162)	$29\frac{1}{4}$	(743)	
L	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$7\frac{5}{8}$	(194)	$29\frac{1}{4}$	(743)	
M	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$10\frac{9}{16}$	(268)	$29\frac{1}{4}$	(743)	

DB30

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
N1	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4	(19)	4 1/2	(115)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4	(19)	5	(127)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N4	2	drawer sides	plywood	3/4	(19)	7	(178)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4	(19)	4	(102)	26	(660)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4	(19)	4 1/2	(115)	26	(660)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4	(19)	5	(127)	26	(660)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O4	2	drawer front and back	plywood	3/4	(19)	7	(178)	26	(660)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	4	bottoms	plywood	1/4	(6)	19 9/16	(497)	26 3/4	(679)	

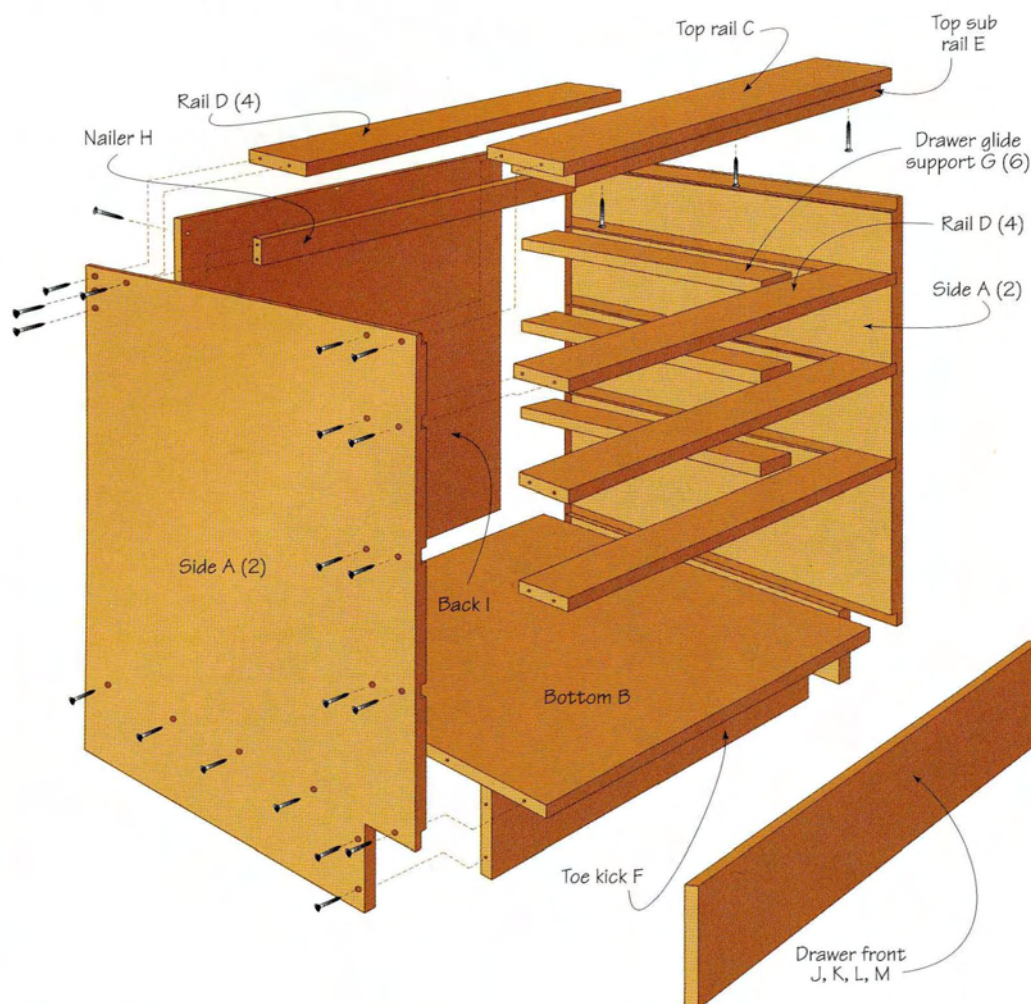
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DBWX		

HARDWARE NEEDED:

4 sets 20" - full extension drawer slides
4 handles or pulls for the drawers

color

finish



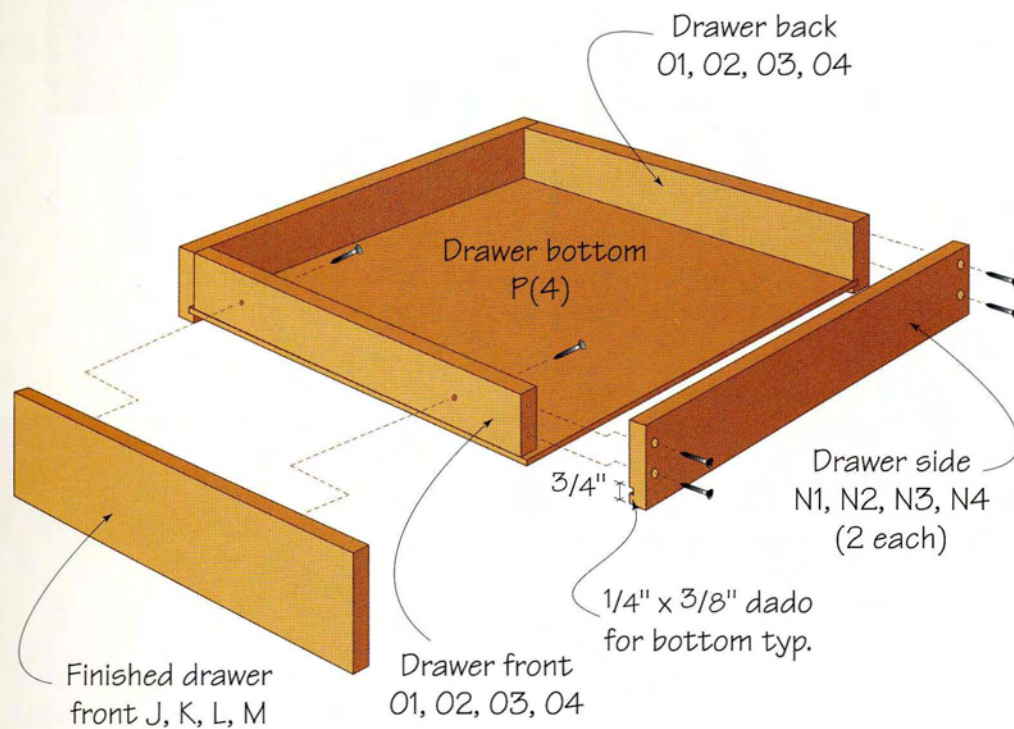
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	24	(610)	$35\frac{1}{4}$	(895)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	24	(610)	$WX - \frac{3}{4}$	(-19)	WX = width of cabinet, cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$	(19)	4	(102)	$WX - \frac{3}{4}$	(-19)	
D	4	rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$WX - \frac{3}{4}$	(-19)	
E	1	top sub rail	plywood	$\frac{3}{4}$	(19)	3	(76)	$WX - 1\frac{1}{2}$	(-38)	
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$WX - 1\frac{1}{2}$	(-38)	
G	6	drawer glide supports	plywood	$\frac{3}{4}$	(19)	$1\frac{1}{2}$	(38)	$20\frac{3}{4}$	(527)	
H	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$WX - 1\frac{1}{2}$	(-38)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$WX - \frac{3}{4}$	(-19)	$30\frac{3}{4}$	(781)	
J	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$WX - \frac{3}{4}$	(-19)	
K	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{8}$	(162)	$WX - \frac{3}{4}$	(-19)	
L	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$7\frac{5}{8}$	(194)	$WX - \frac{3}{4}$	(-19)	
M	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$10\frac{9}{16}$	(268)	$WX - \frac{3}{4}$	(-19)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	DBWX		

color

finish

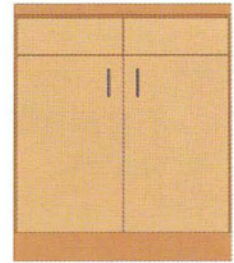


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
N1	2	drawer sides	plywood	3/4 (19)	4 (102)	20 (508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4 (19)	4 1/2 (115)	20 (508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4 (19)	5 (127)	20 (508)	cut 1/4 x 3/8 dadoes for drawer bottoms
N4	2	drawer sides	plywood	3/4 (19)	7 (178)	20 (508)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4 (19)	4 (102)	X-4 (-64)	WX = width of cabinet, cut 1/4 x 3/8 dadoes for drawer bottom
O2	2	drawer front and back	plywood	3/4 (19)	4 1/2 (115)	X-4 (-64)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4 (19)	5 (127)	X-4 (-64)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O4	2	drawer front and back	plywood	3/4 (19)	7 (178)	X-4 (-64)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	4	bottoms	plywood	1/4 (6)	19 9/16 (497)	X-3 1/4 (-45)	

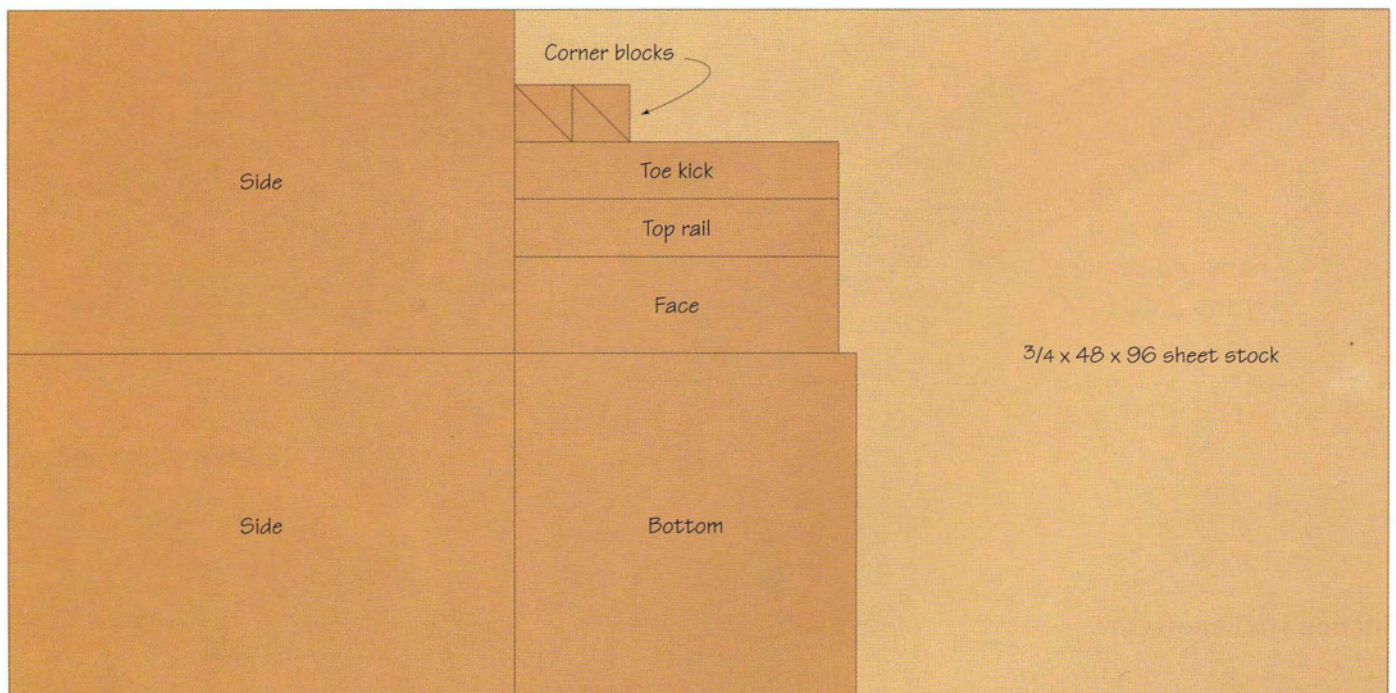


sink base cabinets

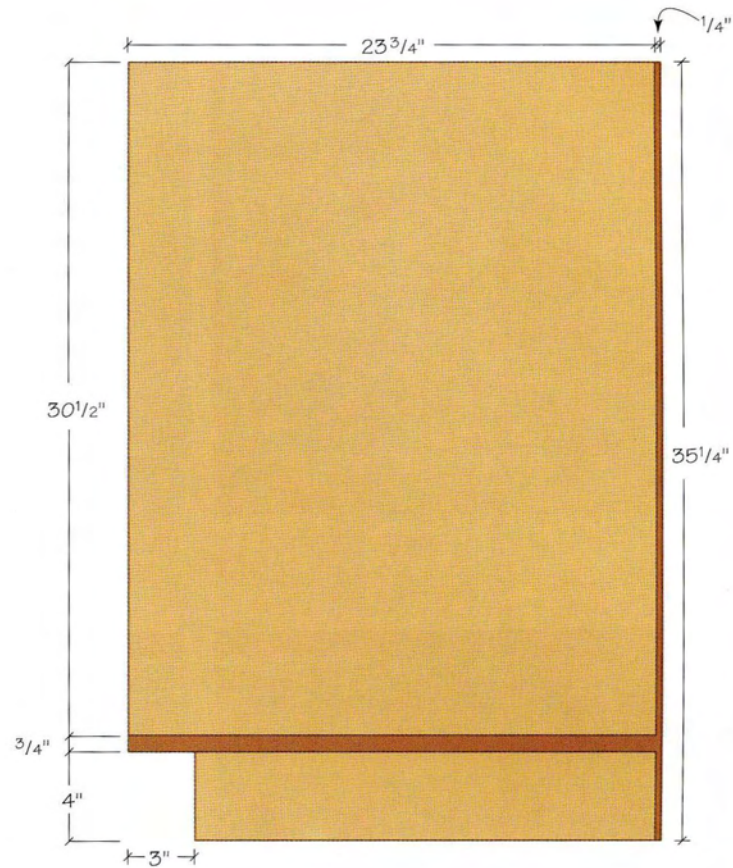


OPTIMIZATION OF PARTS

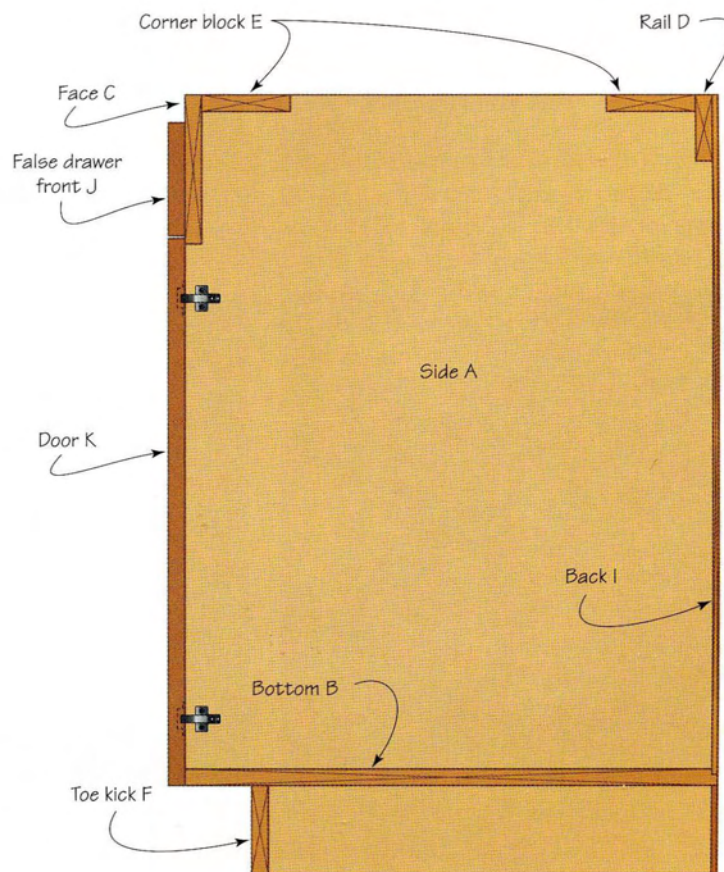
This optimization drawing is for a 24"-wide sink base cabinet. The layout of the parts will be similar for all sizes of sink base cabinets. Widths of some parts will be increased.

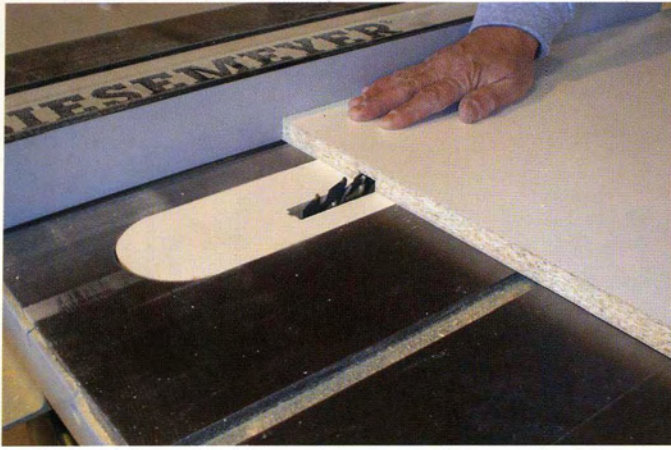


DADO LAYOUT

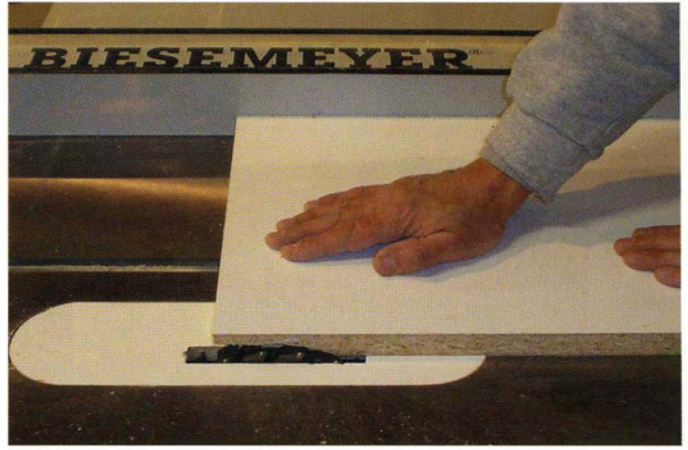


SIDE SECTIONAL

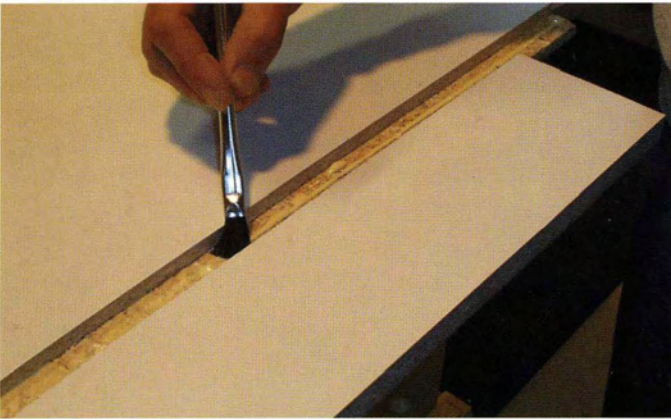




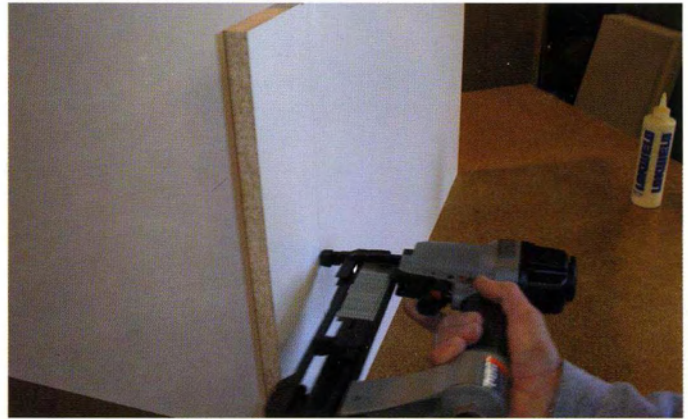
1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router setup on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to 4" to cut the dado for the bottom panel first. See the illustration for layout details.



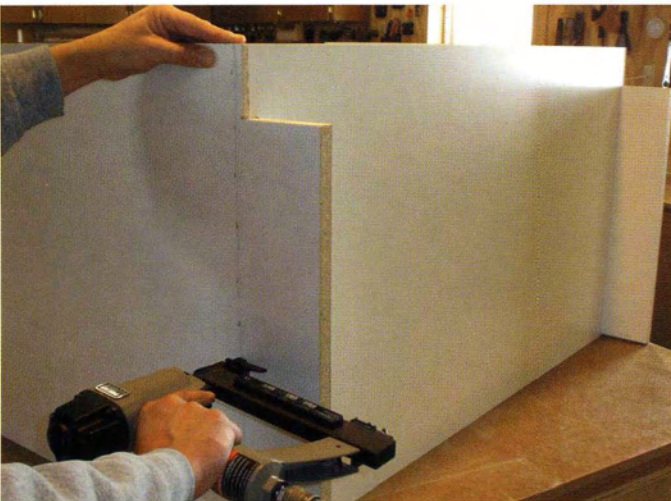
2 Reset the fence to $23\frac{3}{4}$ " and cut the rabbets for the back panel. Then, make right and left pairs of the cabinet sides and cut the toe kick notches. See "Cutting Toe Kick Notches" on page 8.



3 Run a bead of glue in the dado for the bottom panel and spread the glue around with a brush.



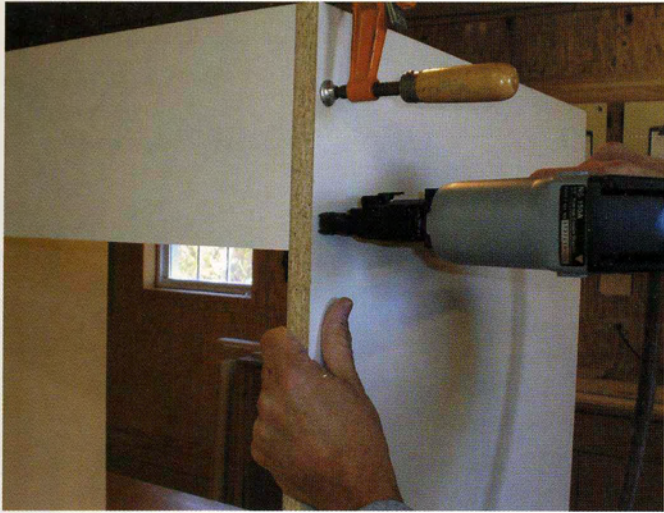
4 Stand the right side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel. Use $\frac{1}{4}$ " narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



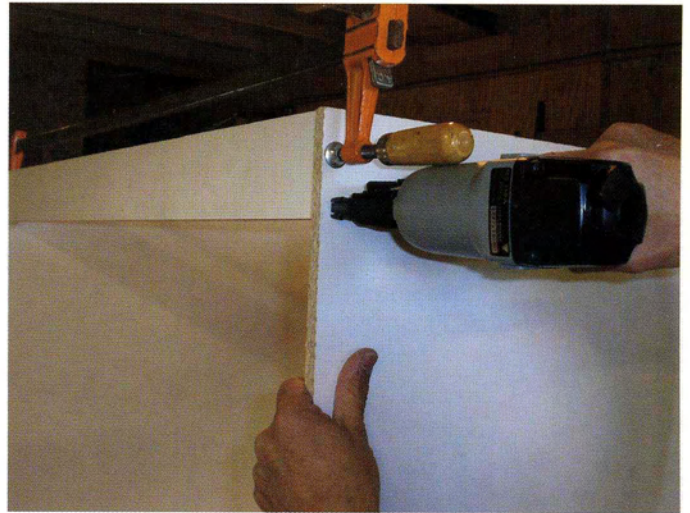
5 Attach the left side the same way as the right side.



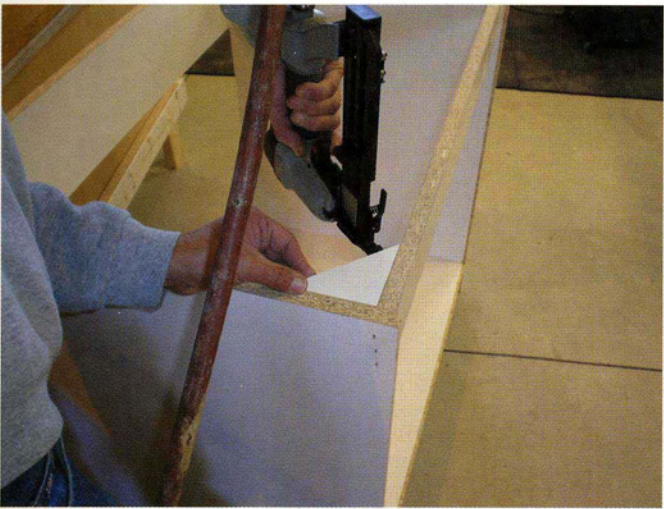
6 Attach the toe kick between the sides.



7 Stand the cabinet up, then install the face using glue and staples or screws. Use a bar clamp to hold the sides tight to the face.



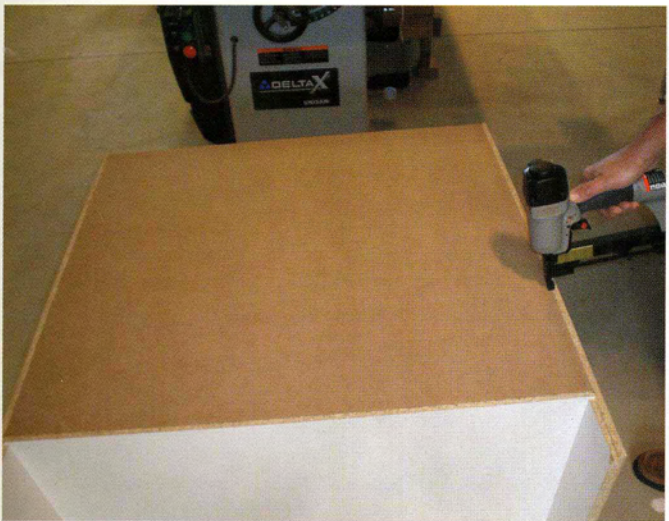
8 Attach the nailer at the back of the cabinet.



9 Secure the corner blocks with staples or screws.



10 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



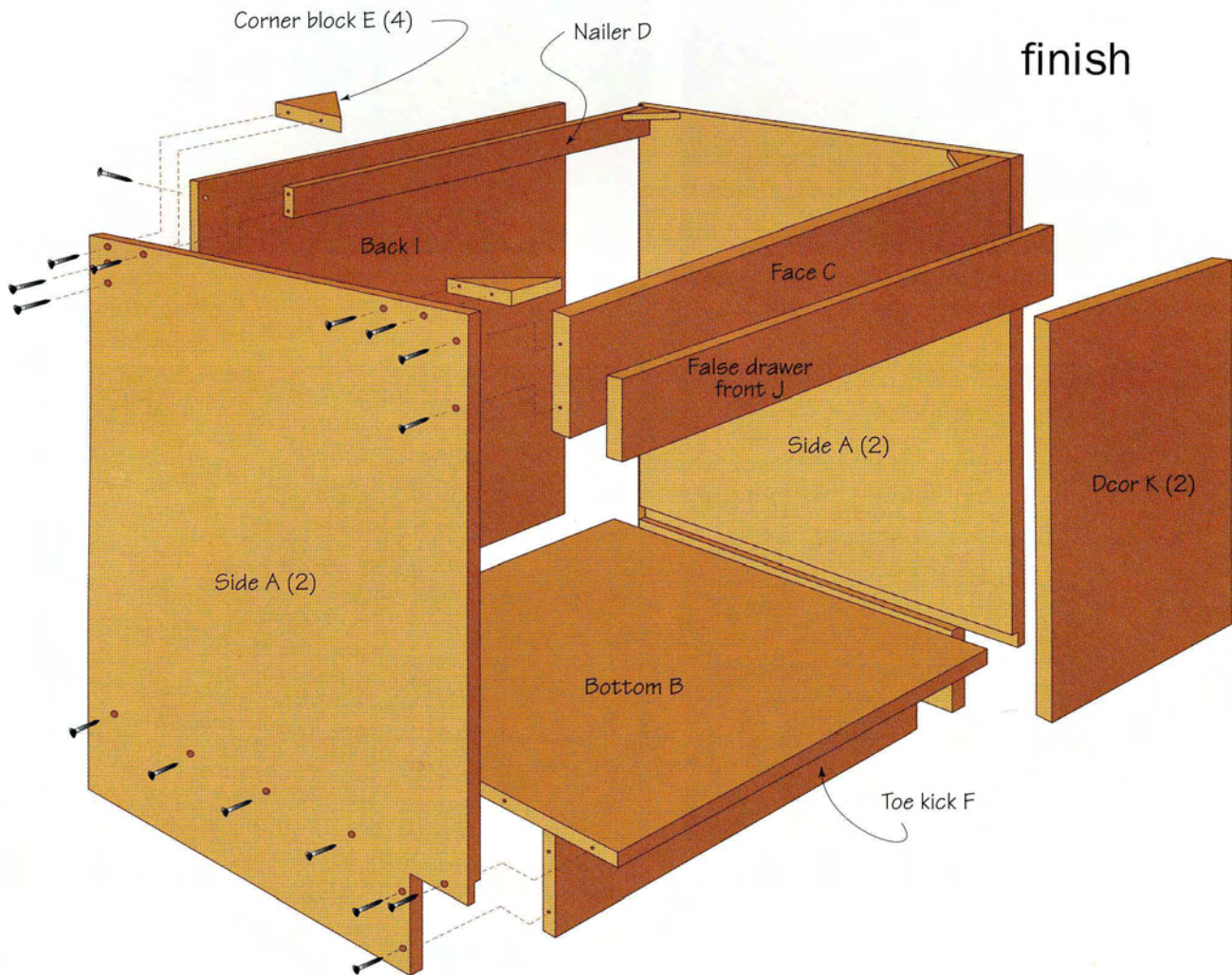
11 Add glue to the rabbets and set the back panel in place. Be sure to check for squareness of the cabinet, then attach the back.

SB24**HARDWARE NEEDED:**

- 4 95°- opening European hinges
2 handles or pulls for the doors

color

finish

**inches (millimeters)**

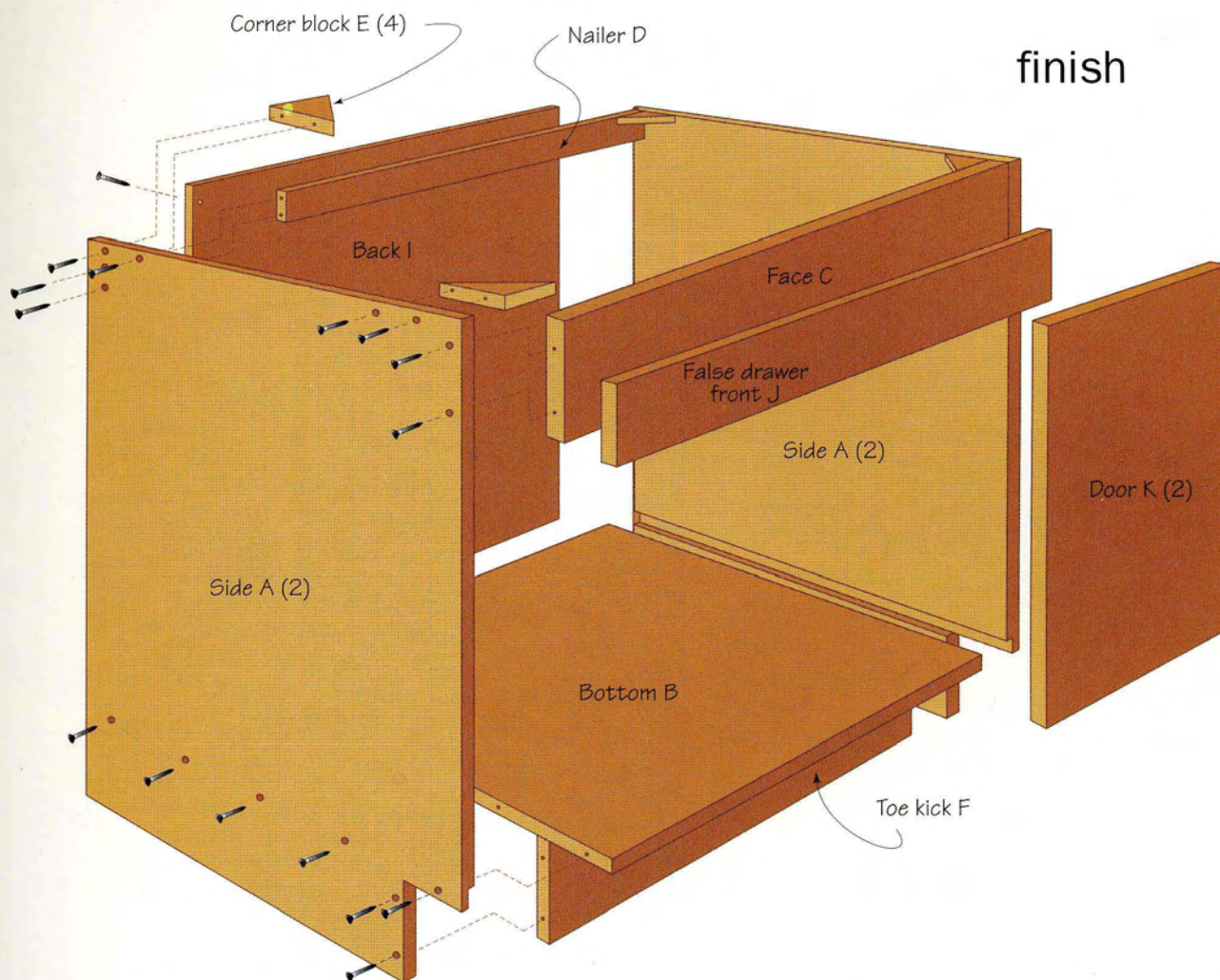
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	24	(610)	$35\frac{1}{4}$	(895)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	24	(610)	$23\frac{1}{4}$	(590)	cut $\frac{1}{4} \times \frac{1}{4}$ dado on top back edge
C	1	face	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{4}$	(171)	$22\frac{1}{2}$	(572)	
D	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$22\frac{1}{2}$	(572)	
E	4	corner blocks	plywood	$\frac{3}{4}$	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$22\frac{1}{2}$	(572)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$23\frac{1}{4}$	(590)	$30\frac{3}{4}$	(781)	
J	1	false drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$23\frac{1}{4}$	(590)	
K	2	doors	plywood	$\frac{3}{4}$	(19)	$11\frac{9}{16}$	(293)	$24\frac{3}{4}$	(629)	

SB27**HARDWARE NEEDED:**

- 4 95°- opening European hinges
2 handles or pulls for the doors

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	24	(610)	$35\frac{1}{4}$	(895)	cut $\frac{1}{4}$ x $\frac{3}{8}$ dadoes on back edge and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	24	(610)	$26\frac{1}{4}$	(666)	cut $\frac{1}{4}$ x $\frac{1}{4}$ dado on top back edge
C	1	face	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{4}$	(171)	$25\frac{1}{2}$	(648)	
D	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$25\frac{1}{2}$	(648)	
E	4	corner blocks	plywood	$\frac{3}{4}$	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$25\frac{1}{2}$	(648)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$26\frac{1}{4}$	(666)	$30\frac{3}{4}$	(781)	
J	1	false drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$26\frac{1}{4}$	(666)	
K	2	doors	plywood	$\frac{3}{4}$	(19)	$13\frac{1}{16}$	(332)	$24\frac{3}{4}$	(629)	

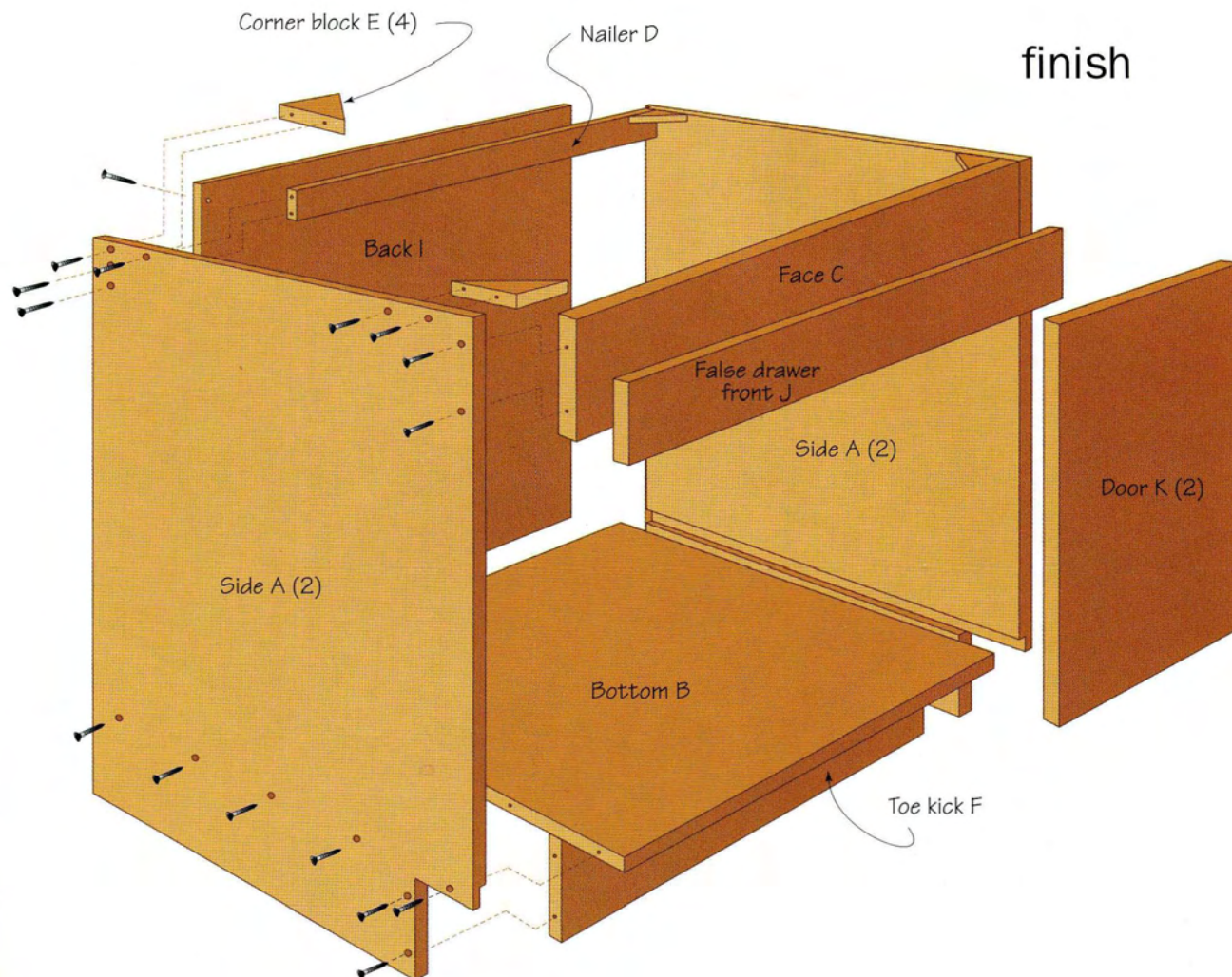
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	SB30		

HARDWARE NEEDED:

- 4 95°- opening European hinges
2 handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	24	(610)	$35\frac{1}{4}$	(895)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes on back edge and 3"x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	24	(610)	$29\frac{1}{4}$	(743)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	face	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{4}$	(171)	$28\frac{1}{2}$	(724)	
D	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$28\frac{1}{2}$	(724)	
E	4	corner blocks	plywood	$\frac{3}{4}$	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$28\frac{1}{2}$	(724)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$29\frac{1}{4}$	(743)	$30\frac{3}{4}$	(781)	
J	1	false drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$29\frac{1}{4}$	(743)	
K	2	doors	plywood	$\frac{3}{4}$	(19)	$14\frac{9}{16}$	(370)	$24\frac{3}{4}$	(629)	

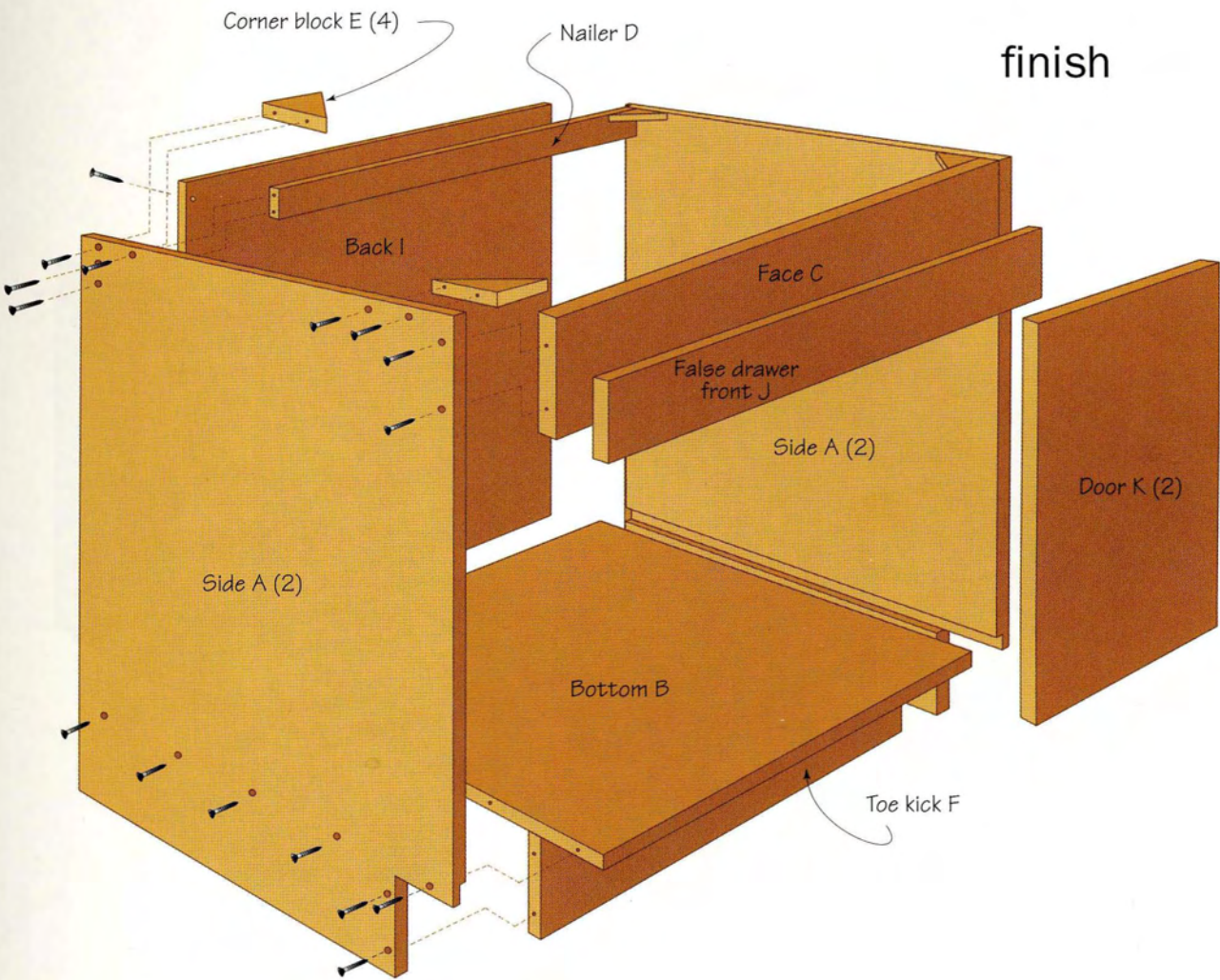
- HARDWARE NEEDED:
- 4

95°- opening European hinges
- 2

handles or pulls for the doors

color

finish



inches (millimeters)

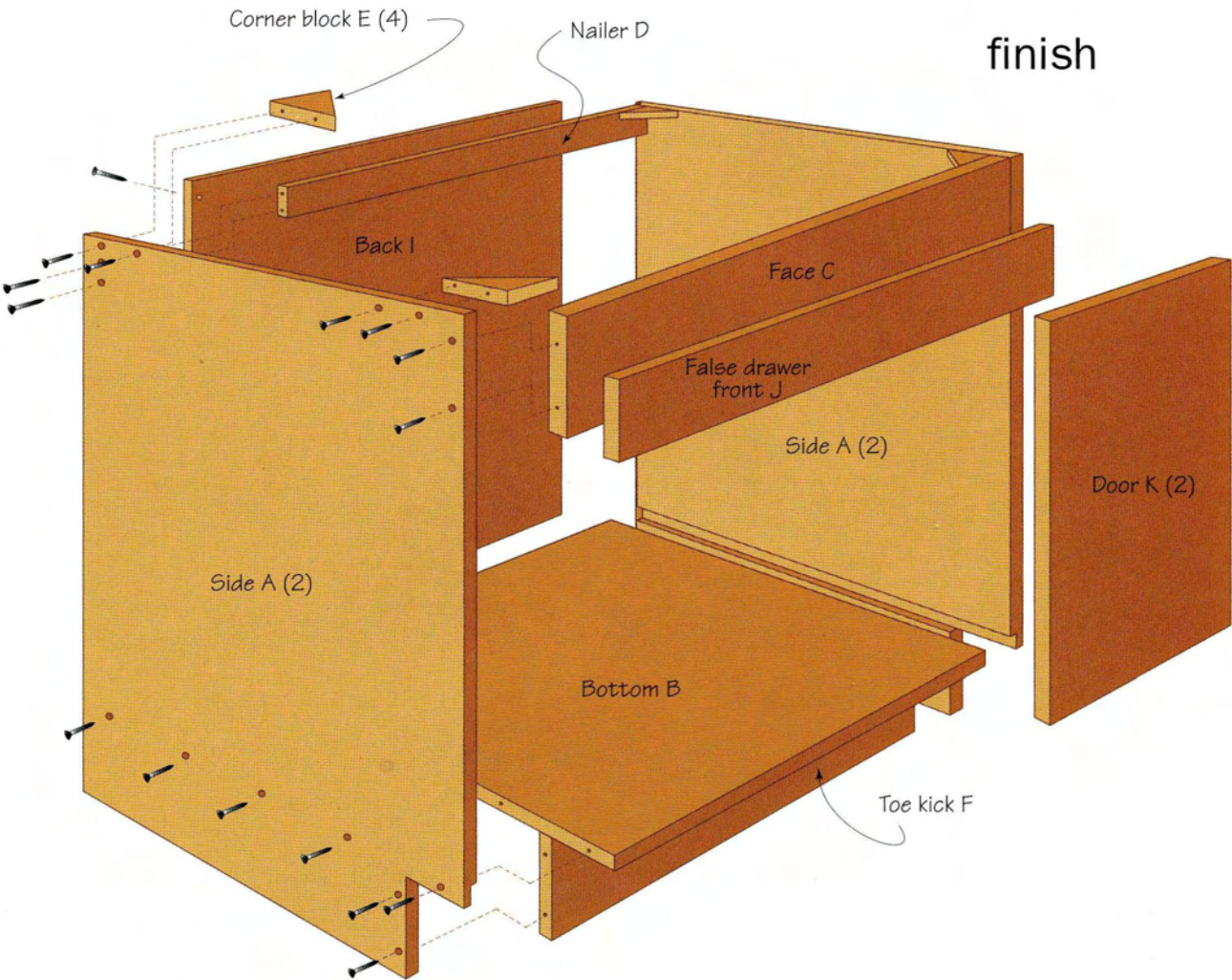
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	32 1/4	(819)	cut 1/4 x 3/8 dado on top back edge
C	1	face	plywood	3/4	(19)	6 3/4	(171)	31 1/2	(800)	
D	1	nailer	plywood	3/4	(19)	3	(76)	31 1/2	(800)	
E	4	corner blocks	plywood	3/4	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	3/4	(19)	4	(102)	31 1/2	(800)	
I	1	back	plywood	1/4	(6)	32 1/4	(819)	30 3/4	(781)	
J	1	false drawer front	plywood	3/4	(19)	5 1/8	(130)	32 1/4	(819)	
K	2	doors	plywood	3/4	(19)	16 1/16	(408)	24 3/4	(629)	

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 2 handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dado on top back edge
C	1	face	plywood	3/4	(19)	6 3/4	(171)	34 1/2	(877)	
D	1	nailer	plywood	3/4	(19)	3	(76)	34 1/2	(877)	
E	4	corner blocks	plywood	3/4	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	3/4	(19)	4	(102)	34 1/2	(877)	
I	1	back	plywood	1/4	(6)	35 1/4	(895)	30 3/4	(781)	
J	1	false drawer front	plywood	3/4	(19)	5 1/8	(130)	35 1/4	(895)	
K	2	doors	plywood	3/4	(19)	17 9/16	(446)	24 3/4	(629)	

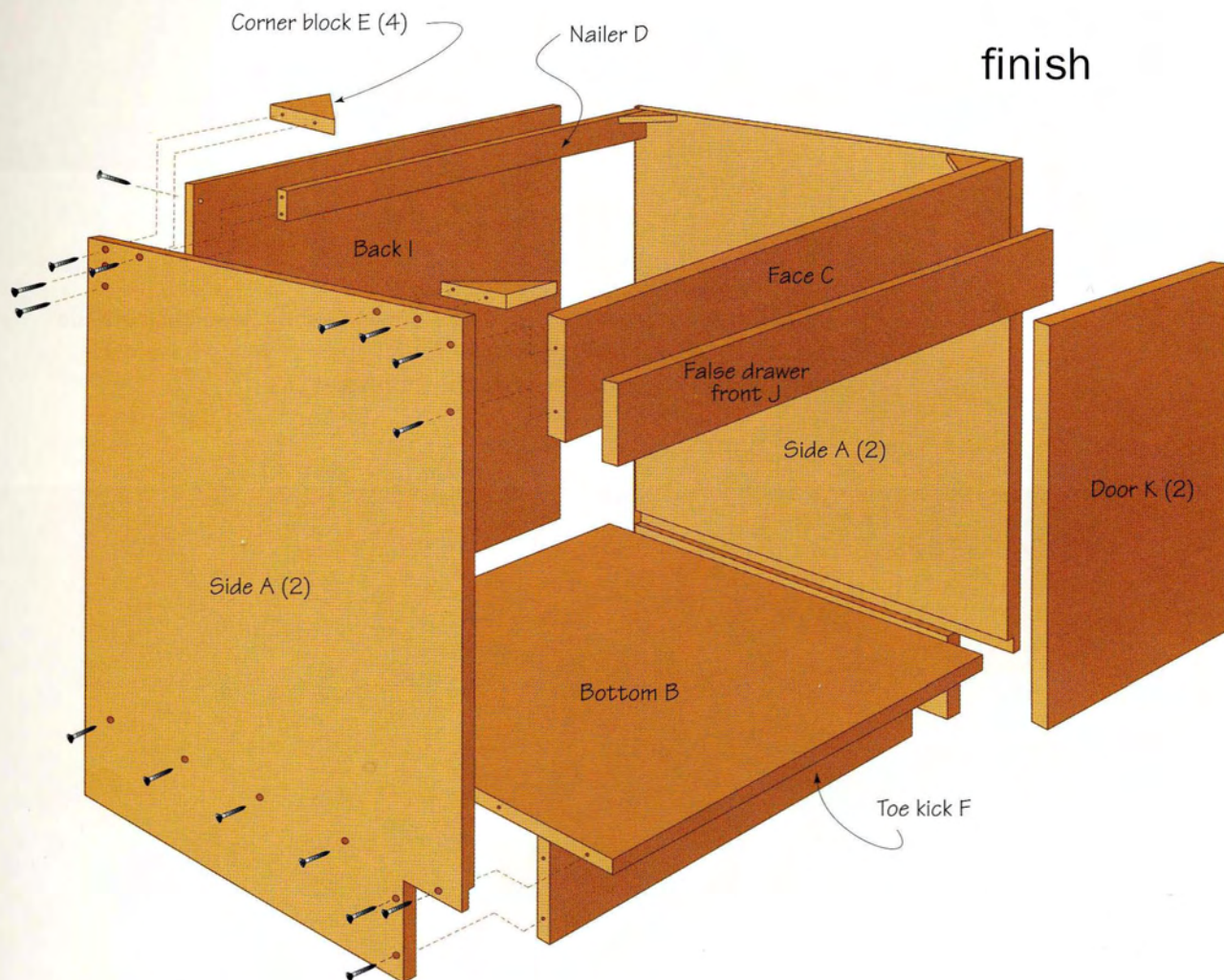
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	SBWX		

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 2 handles or pulls for the doors

color

finish

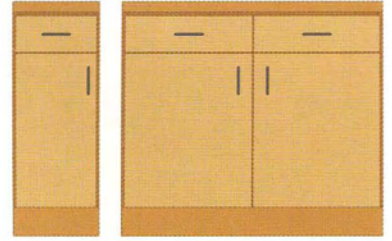


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	24	(610)	$35\frac{1}{4}$	(895)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and $3" \times 4"$ toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	24	(610)	$WX - \frac{3}{4}$	(-19)	WX = width of cabinet, cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	face	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{4}$	(171)	$WX - 1\frac{1}{2}$	(-38)	
D	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$WX - 1\frac{1}{2}$	(-38)	
E	4	corner blocks	plywood	$\frac{3}{4}$	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$WX - 1\frac{1}{2}$	(-38)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$WX - \frac{3}{4}$	(-19)	$30\frac{3}{4}$	(781)	
J	1	false drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$WX - \frac{3}{4}$	(-19)	
K	2	doors	plywood	$\frac{3}{4}$	(19)	$WX - \frac{7}{8} \div 2$	(-22mm $\div$ 2)	$24\frac{3}{4}$	(629)	

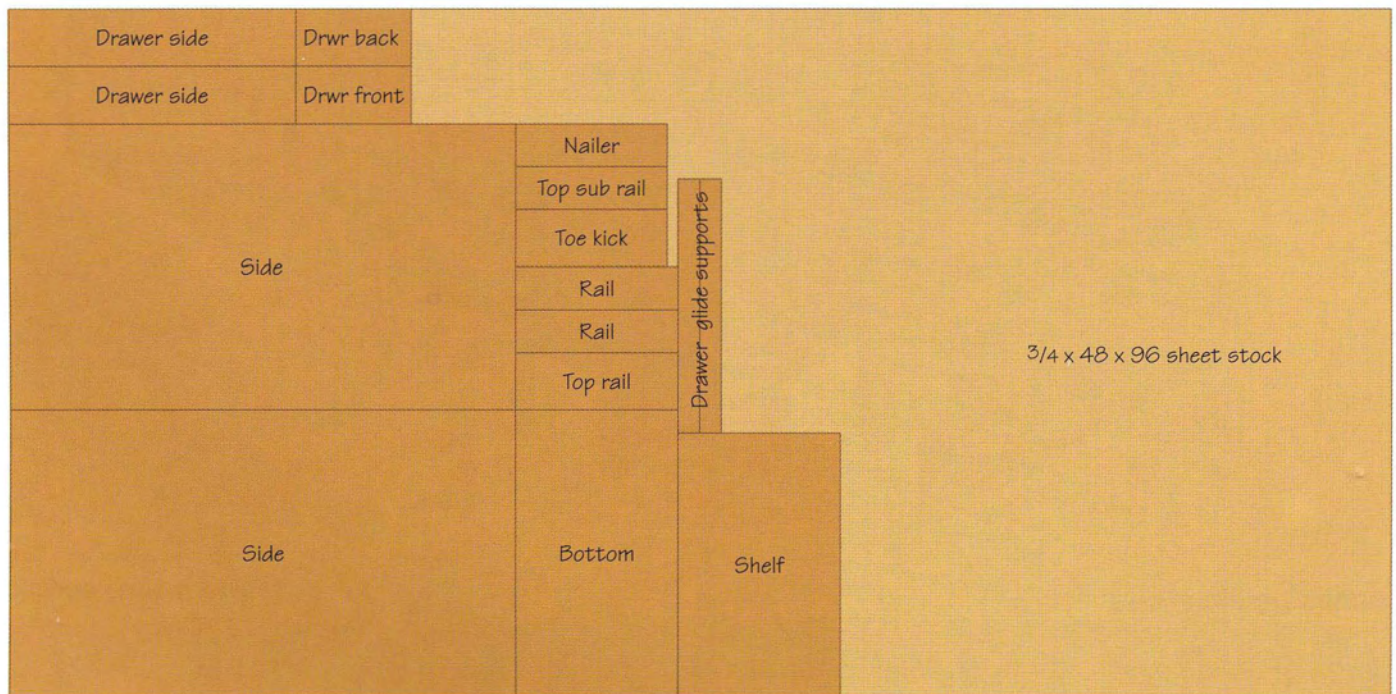


vanity base cabinets

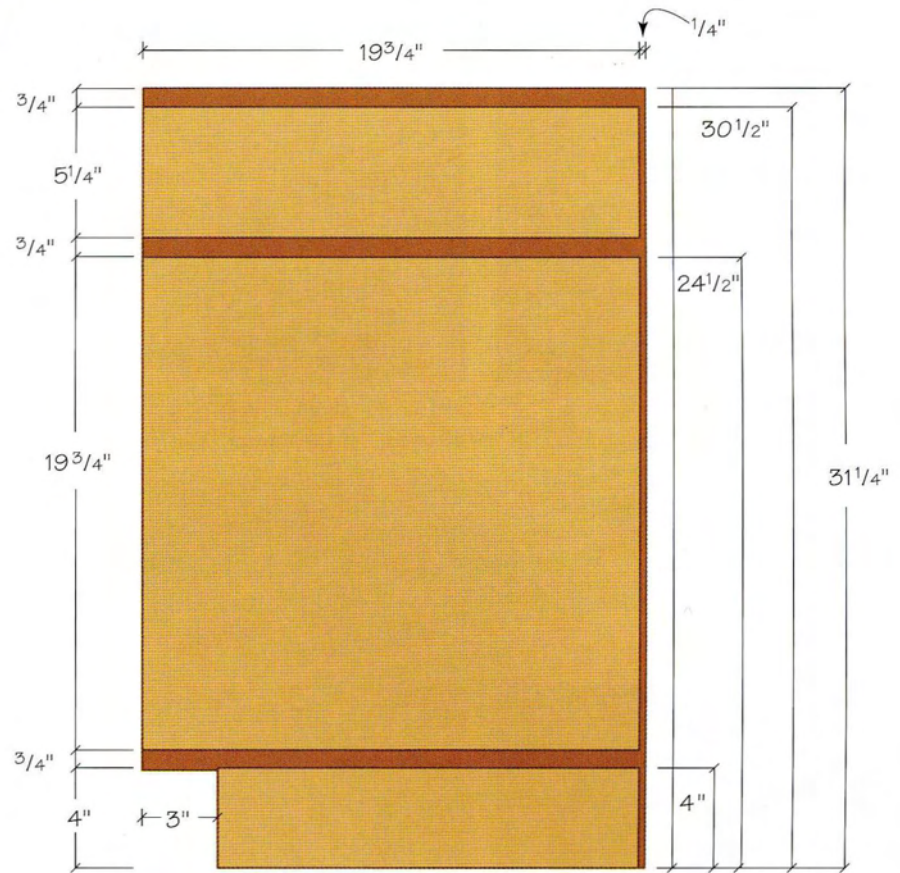


OPTIMIZATION OF PARTS

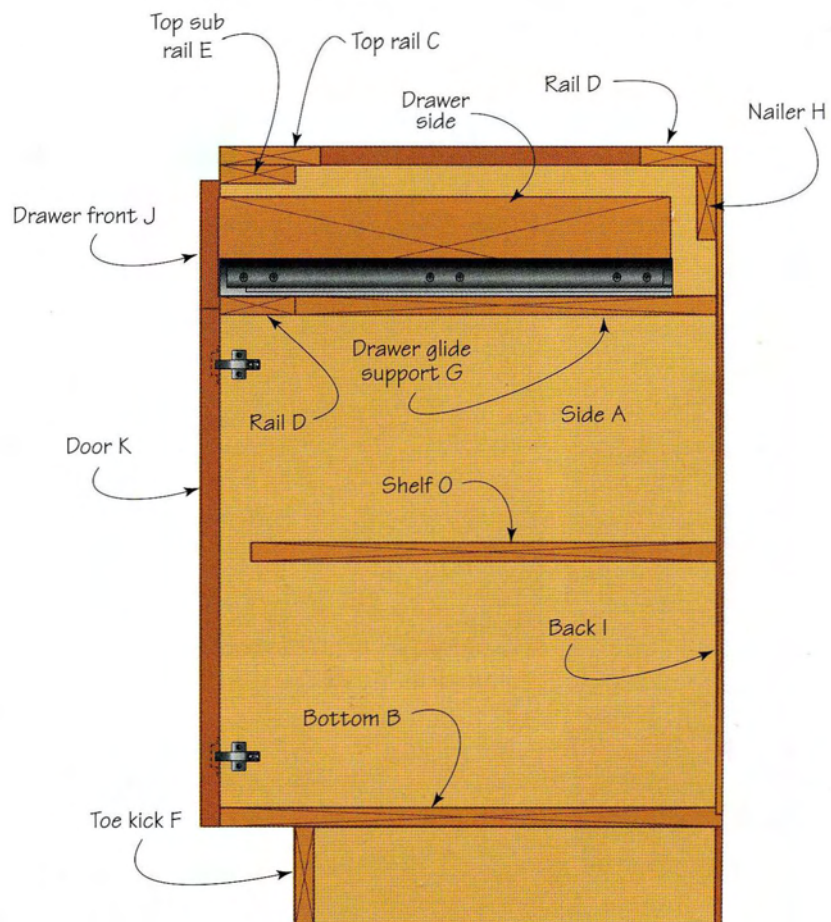
This optimization drawing is for a 12"-wide vanity base cabinet. The layout of the parts will be similar for all sizes of vanity base cabinets. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL

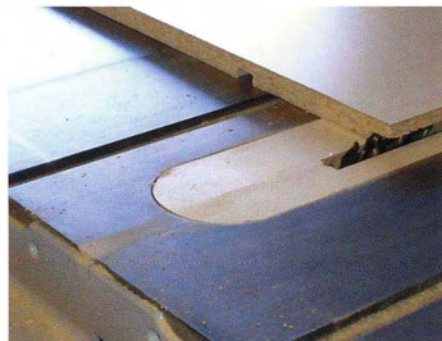




1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router setup on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to 4" cut the dado for the bottom panel first. See the illustration for layout details.



2 Reset the fence to $24\frac{1}{2}$ " and cut the dado for the drawer glide supports. If you're using your router, you can reset the fence on the router table (if the table is large enough) or use a straightedge to guide the router for this cut.



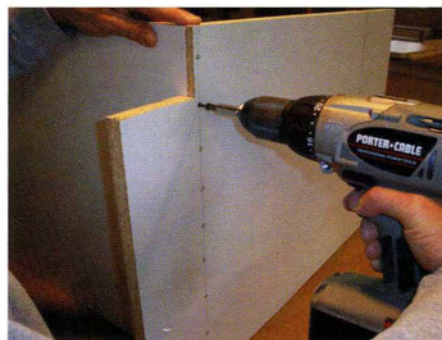
3 Reset the fence to $30\frac{1}{2}$ " and cut the rabbets for the rails.



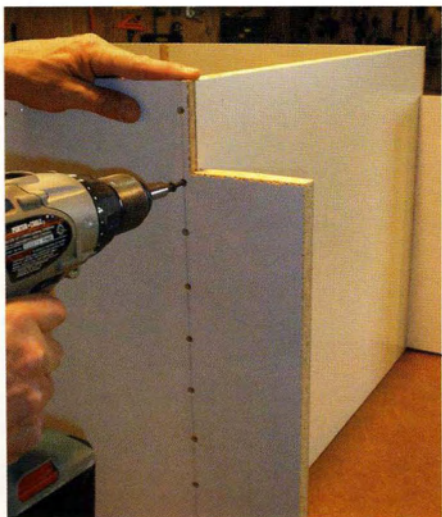
4 Reset the fence to $19\frac{3}{4}$ " and cut the rabbets for the back panel. Then, make right and left pairs of the cabinet sides and cut the toe kick notches. See "Cutting Toe Kick Notches" page 8.



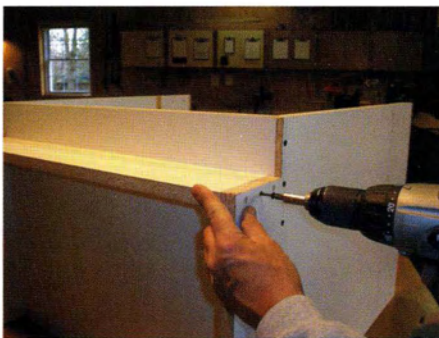
5 Run a bead of glue in the dado for the bottom panel.



6 Stand the right side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel. Use $\frac{1}{4}$ " narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



7 Attach the left side the same way as the right side.



8 Attach the toe kick between the sides.



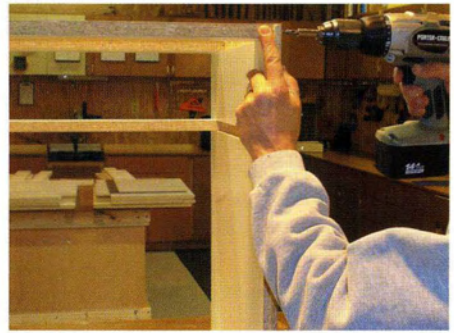
9 Stand the cabinet up, then install the rails using glue and staples or screws. Use a bar clamp to hold the sides tight to the rails.



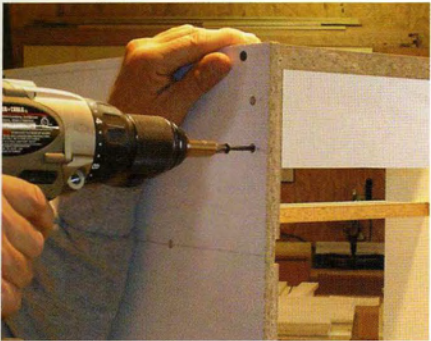
10 Install the front top rail.



11 Install the sub rail under the front top rail.



12 Install the back top rail.



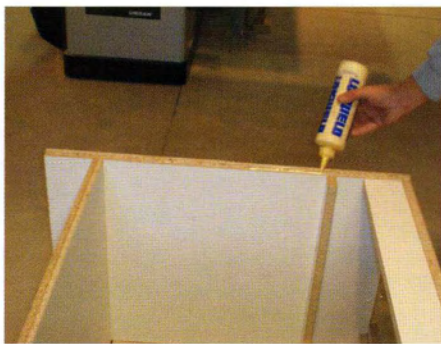
13 Install the nailer at the back of the cabinet.



14 Glue and staple or screw the drawer glide supports in place.



15 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



16 Apply glue in the rabbets.



17 Replace the back, check again for squareness and nail, staple or screw the back into place.

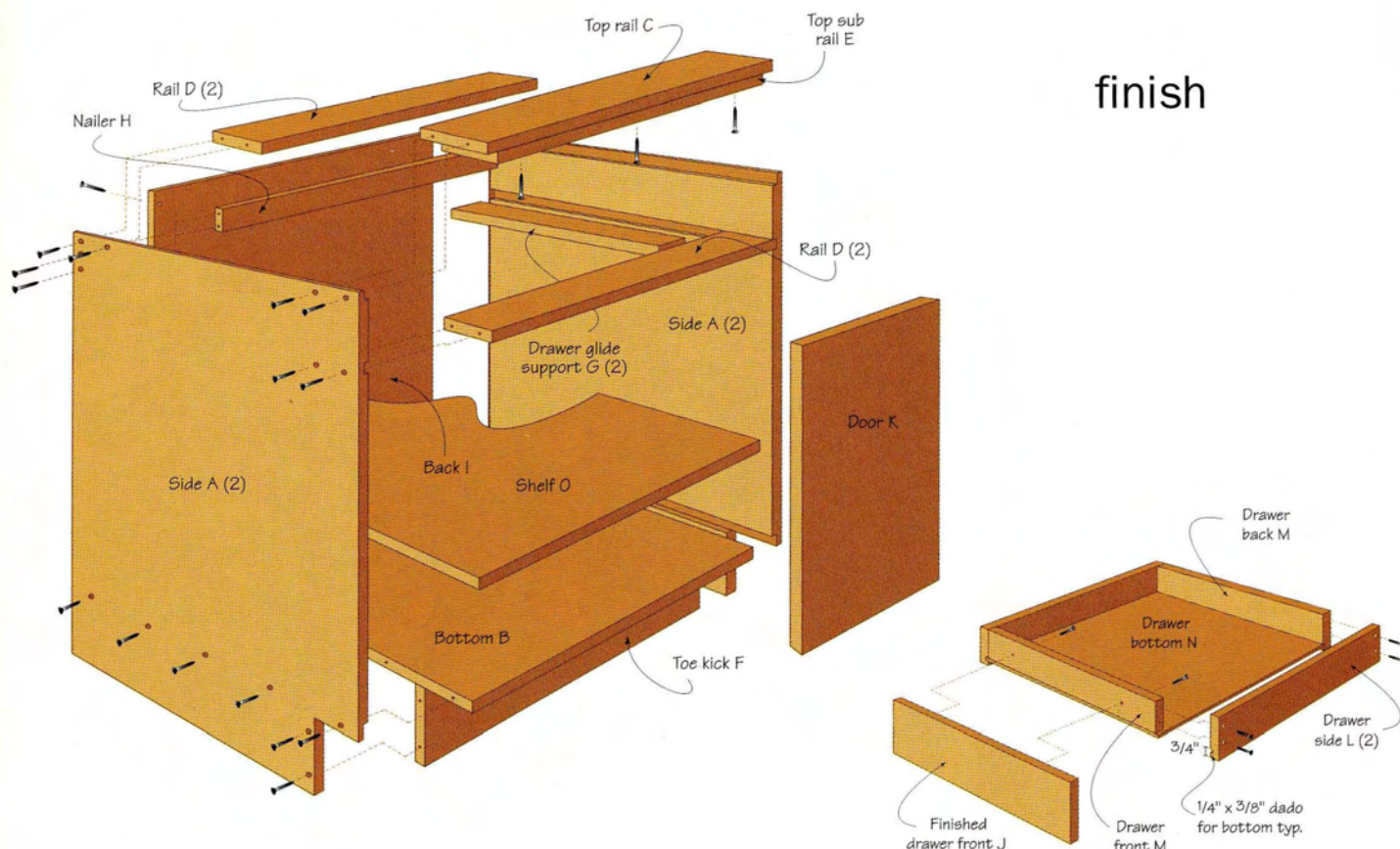
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VB12		

HARDWARE NEEDED:

- 2 95°-opening European hinges
- 1 set 18" - full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the door and drawer

color

finish



inches (millimeters)

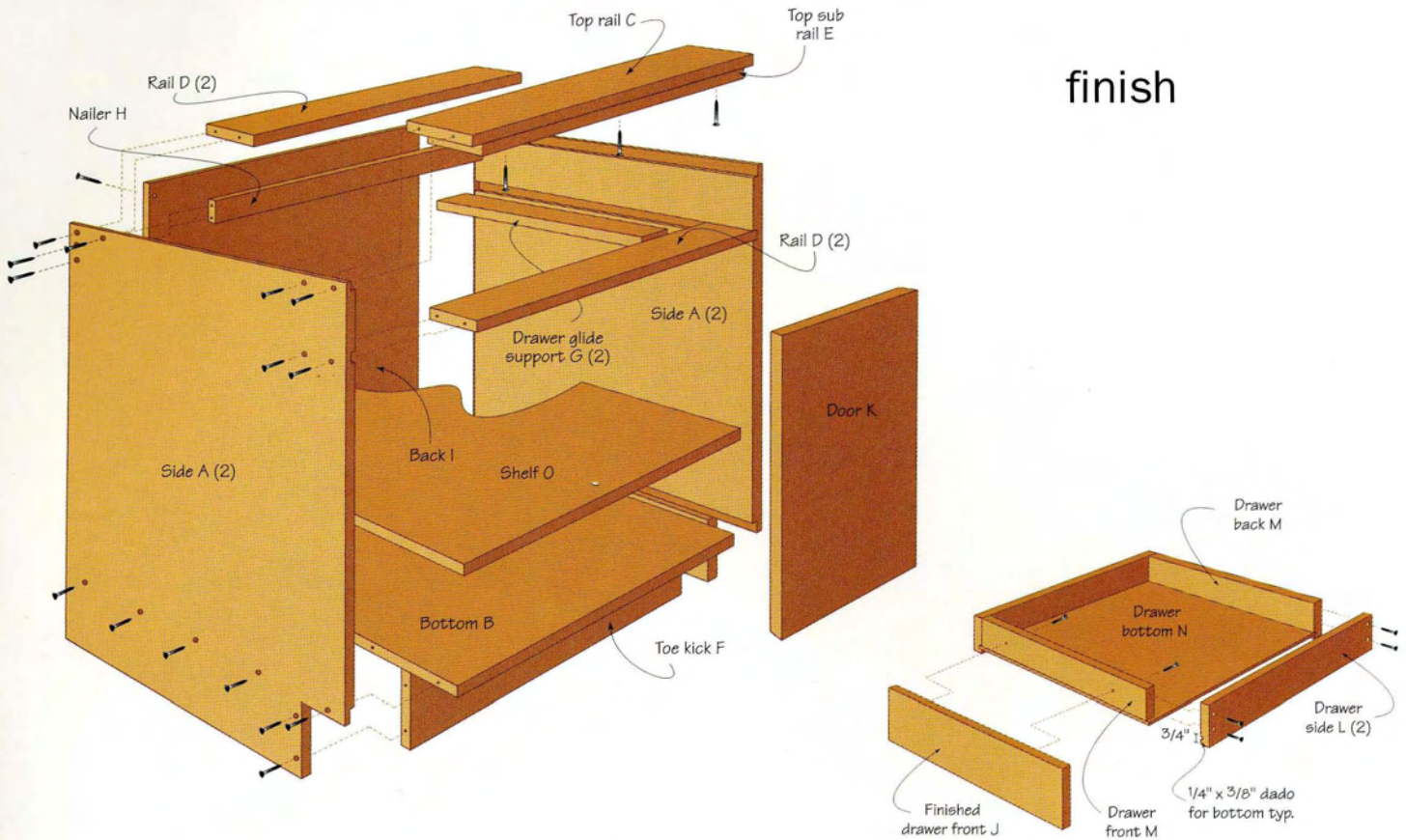
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	11 1/4	(285)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	11 1/4	(285)	
D	2	rails	plywood	3/4	(19)	3	(76)	11 1/4	(285)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	10 1/2	(267)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
I	1	back	plywood	1/4	(6)	11 1/4	(285)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	11 1/4	(285)	
K	1	door	plywood	3/4	(19)	11 1/4	(285)	20 3/4	(527)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	8	(203)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	17 9/16	(446)	8 3/4	(222)	
O	1	shelf	plywood	3/4	(19)	18 1/2	(470)	10 3/8	(264)	

VB15**HARDWARE NEEDED:**

- 2 95°-opening European hinges
 1 set 18" - full extension drawer slides
 4 shelf supports (pins), either 5mm or 1/4" hole size required
 2 handles or pulls for the door and drawer

color

finish

**inches (millimeters)**

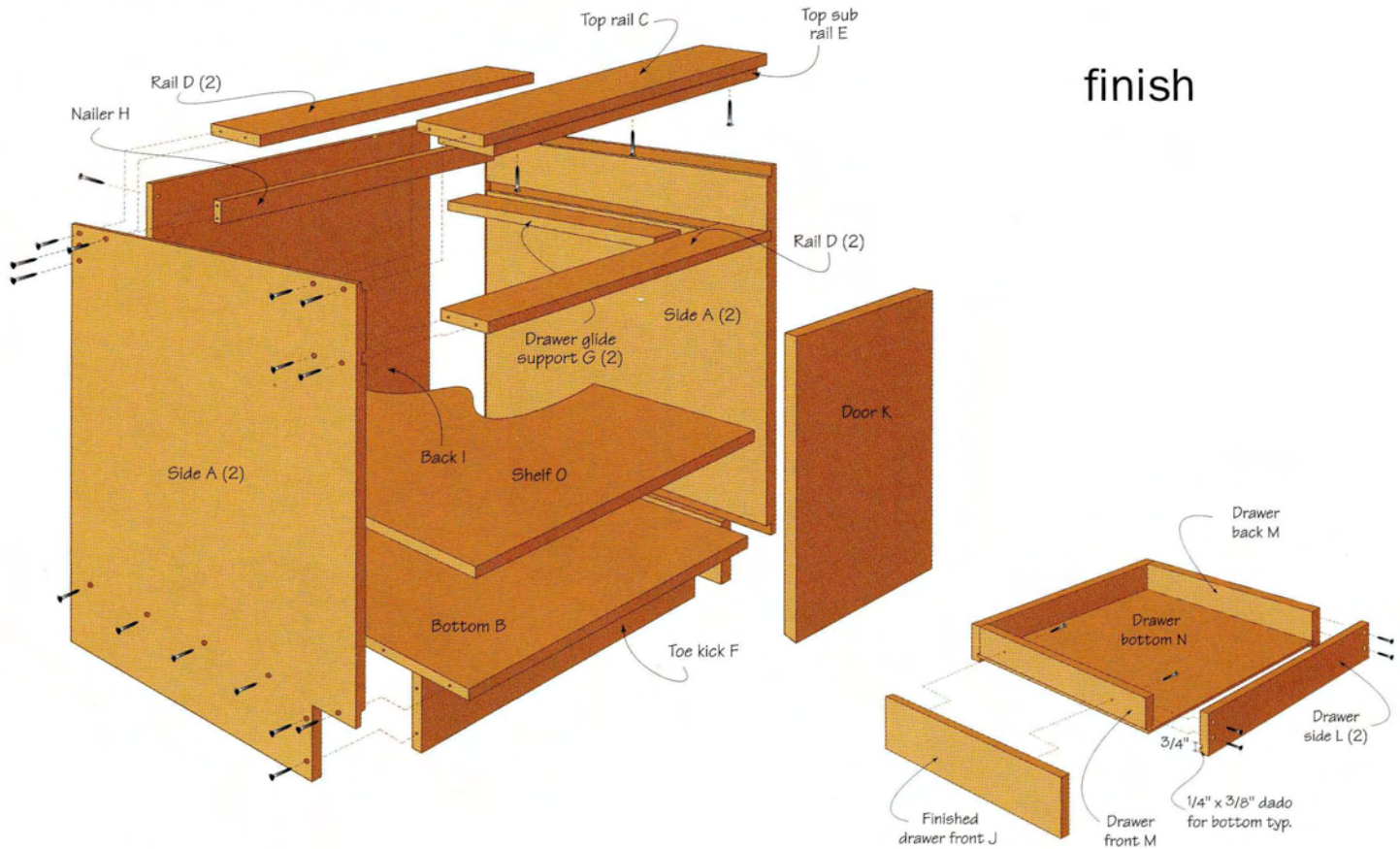
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	14 1/4	(362)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	14 1/4	(362)	
D	2	rails	plywood	3/4	(19)	3	(76)	14 1/4	(362)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	13 1/2	(343)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
I	1	back	plywood	1/4	(6)	14 1/4	(362)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	14 1/4	(362)	
K	1	door	plywood	3/4	(19)	14 1/4	(362)	20 3/4	(527)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	11	(279)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	17 9/16	(446)	11 3/4	(298)	
O	1	shelf	plywood	3/4	(19)	18 1/2	(470)	13 3/8	(340)	

VB18**HARDWARE NEEDED:**

- 2 95°-opening European hinges
 1 set 18" - full extension drawer slides
 4 shelf supports (pins), either 5mm or 1/4" hole size required
 2 handles or pulls for the door and drawer

color

finish

**inches (millimeters)**

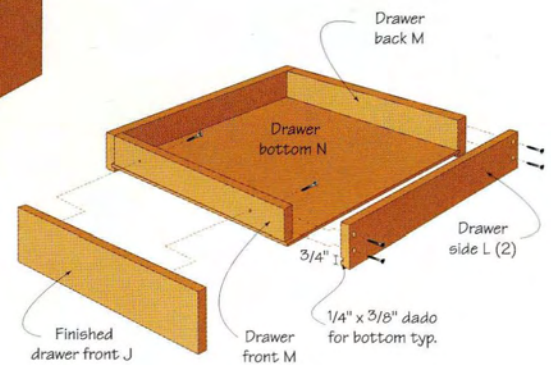
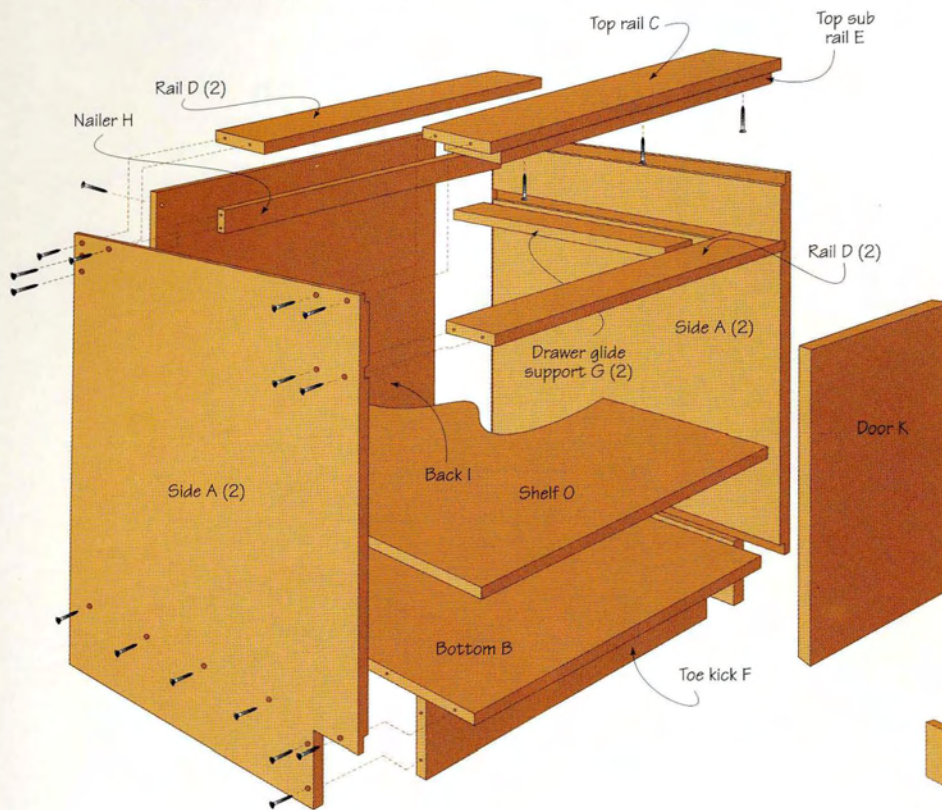
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	17 1/4	(438)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	17 1/4	(438)	
D	2	rails	plywood	3/4	(19)	3	(76)	17 1/4	(438)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	16 1/2	(419)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
I	1	back	plywood	1/4	(6)	17 1/4	(438)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	17 1/4	(438)	
K	1	door	plywood	3/4	(19)	17 1/4	(438)	20 3/4	(527)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	14	(356)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	17 9/16	(446)	14 3/4	(375)	
O	1	shelf	plywood	3/4	(19)	18 1/2	(470)	16 3/8	(416)	

VB21**HARDWARE NEEDED:**

- 2 95°-opening European hinges
- 1 set 18" - full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the door and drawer

color

finish

**inches (millimeters)**

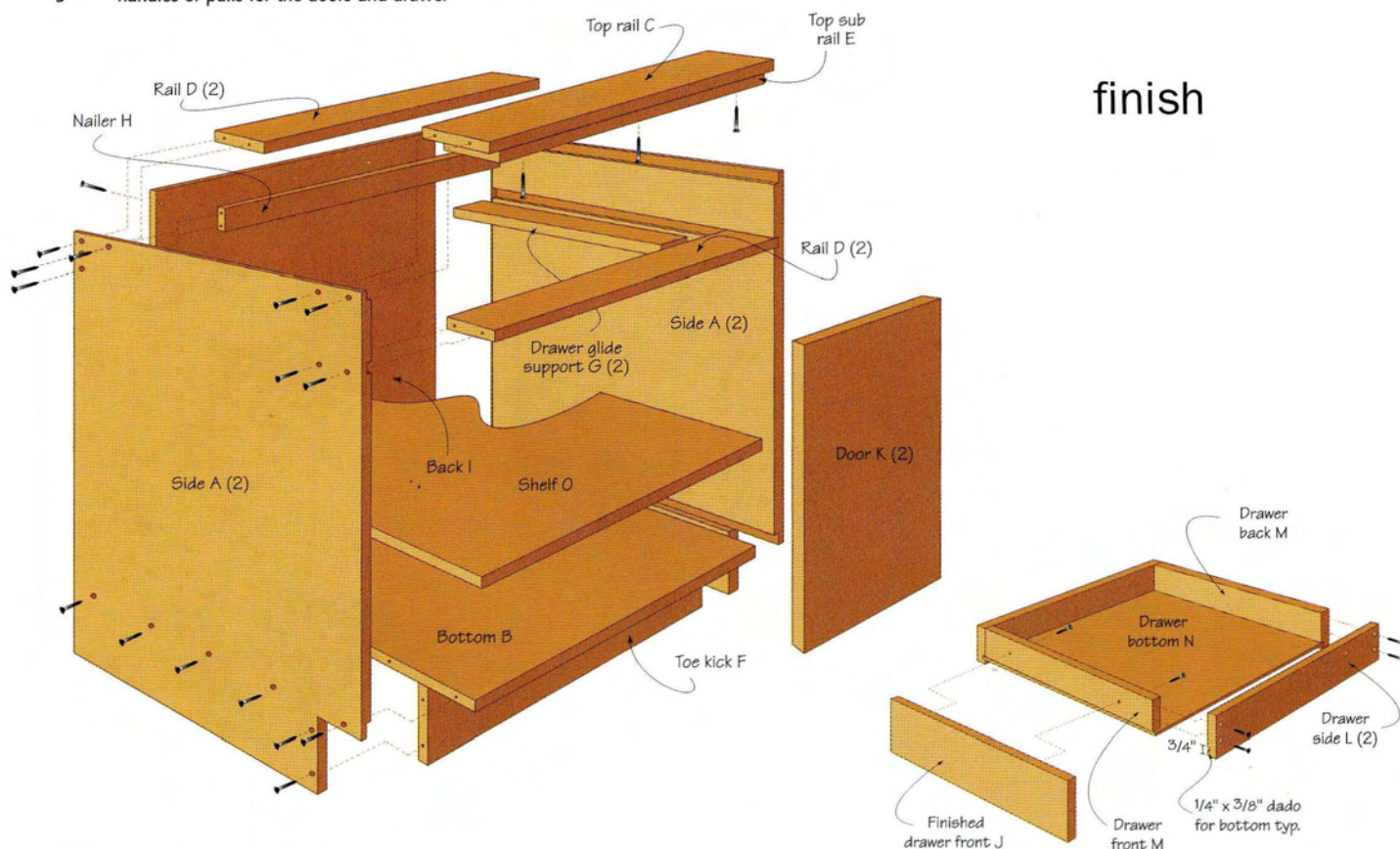
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	20 1/4	(514)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	20 1/4	(514)	
D	2	rails	plywood	3/4	(19)	3	(76)	20 1/4	(514)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	19 1/2	(496)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	19 1/2	(496)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	19 1/2	(496)	
I	1	back	plywood	1/4	(6)	20 1/4	(514)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	20 1/4	(514)	
K	1	door	plywood	3/4	(19)	20 1/4	(514)	20 3/4	(527)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	17	(432)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	17 9/16	(446)	17 3/4	(451)	
O	1	shelf	plywood	3/4	(19)	18 1/2	(470)	19 3/8	(493)	

VB24**HARDWARE NEEDED:**

- 4 95°-opening European hinges
- 1 set 18" - full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 3 handles or pulls for the doors and drawer

color

finish

**inches (millimeters)**

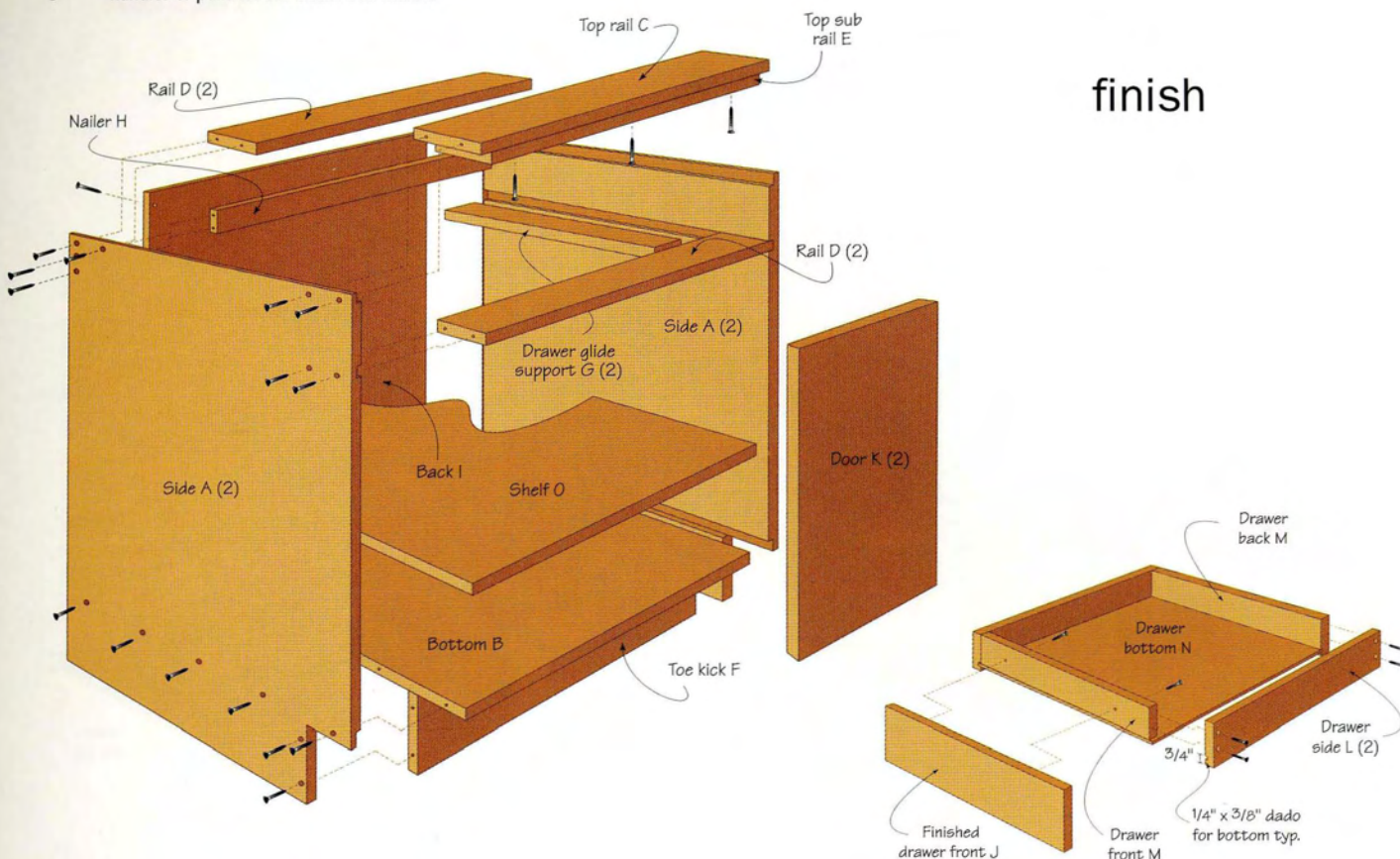
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	23 1/4	(590)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	23 1/4	(590)	
D	2	rails	plywood	3/4	(19)	3	(76)	23 1/4	(590)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	22 1/2	(572)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
I	1	back	plywood	1/4	(6)	23 1/4	(590)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	23 1/4	(590)	
K	2	doors	plywood	3/4	(19)	11 9/16	(293)	20 3/4	(527)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	20	(508)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	17 9/16	(446)	20 3/4	(527)	
O	1	shelf	plywood	3/4	(19)	18 1/2	(470)	22 3/8	(569)	

VB27**HARDWARE NEEDED:**

- 4 95°-opening European hinges
- 1 set 18"- full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 3 handles or pulls for the doors and drawer

color

finish

**inches (millimeters)**

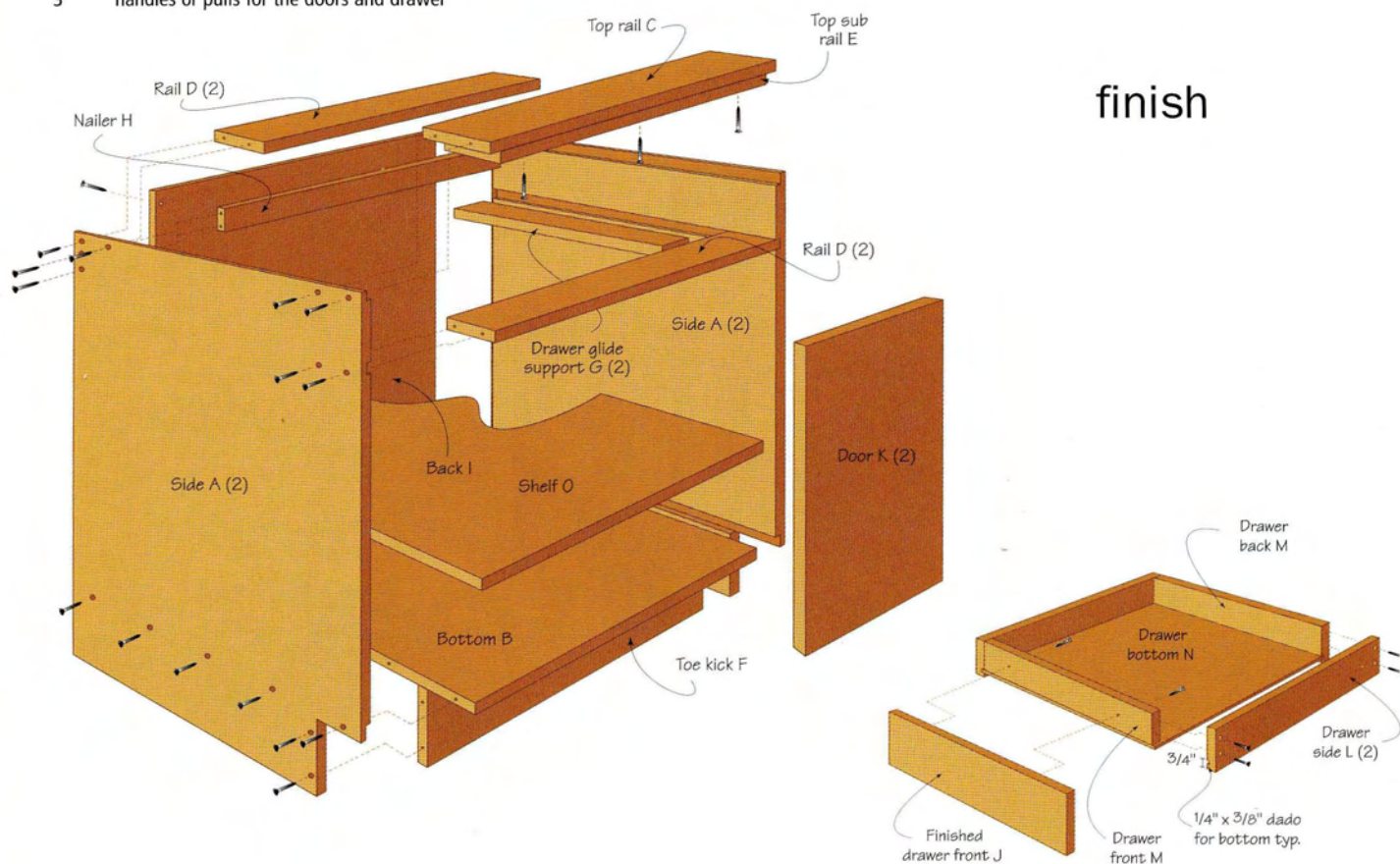
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	26 1/4	(666)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	26 1/4	(666)	
D	2	rails	plywood	3/4	(19)	3	(76)	26 1/4	(666)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	25 1/2	(648)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
I	1	back	plywood	1/4	(6)	26 1/4	(666)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	26 1/4	(666)	
K	2	doors	plywood	3/4	(19)	13 1/16	(332)	20 3/4	(527)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	23	(584)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	17 9/16	(446)	23 3/4	(603)	
O	1	shelf	plywood	3/4	(19)	18 1/2	(470)	25 3/8	(645)	

VB30**HARDWARE NEEDED:**

- 4 95°-opening European hinges
- 1 set 18" - full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 3 handles or pulls for the doors and drawer

color

finish

**inches (millimeters)**

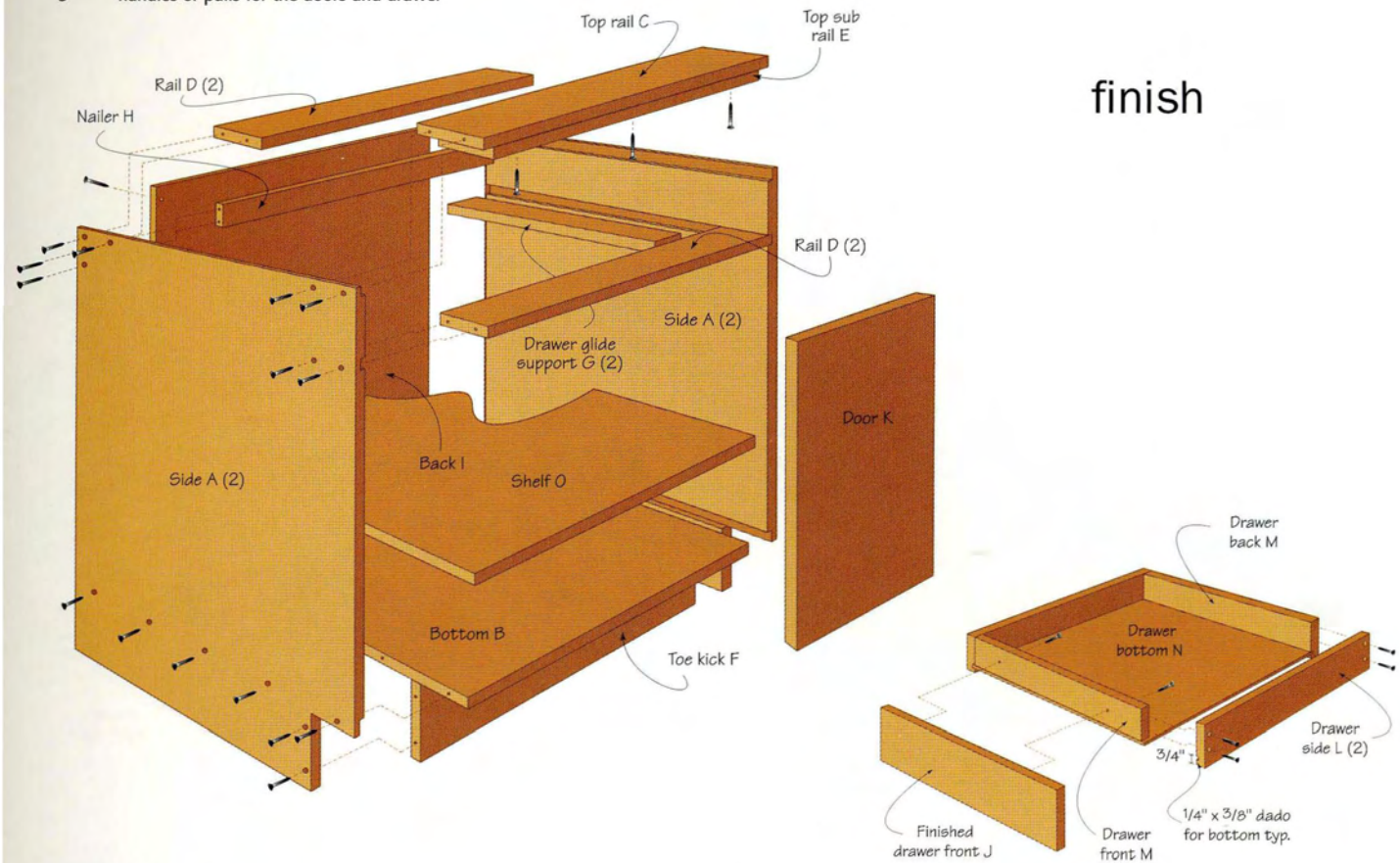
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	29 1/4	(743)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	29 1/4	(743)	
D	2	rails	plywood	3/4	(19)	3	(76)	29 1/4	(743)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	28 1/2	(724)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
I	1	back	plywood	1/4	(6)	29 1/4	(743)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	29 1/4	(743)	
K	1	door	plywood	3/4	(19)	14 9/16	(370)	20 3/4	(527)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	26	(660)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	17 9/16	(446)	26 3/4	(679)	
O	1	shelf	plywood	3/4	(19)	18 1/2	(470)	28 3/8	(721)	

VBWX**HARDWARE NEEDED:**

- 4 95°-opening European hinges
 1 set 18" - full extension drawer slides
 4 shelf supports (pins), either 5mm or 1/4" hole size required
 3 handles or pulls for the doors and drawer

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	WX-3/4	(-19)	WX = width of cabinet, cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	WX-3/4	(-19)	
D	2	rails	plywood	3/4	(19)	3	(76)	WX-3/4	(-19)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	WX-1 1/2	(-38)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
I	1	back	plywood	1/4	(6)	WX-3/4	(-19)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	WX-3/4	(-19)	
K	1	door	plywood	3/4	(19)	WX-3/4	(-19)	20 3/4	(527)	
L	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
M	2	drawer front and back	plywood	3/4	(19)	4	(102)	WX-4	(-102)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
N	1	drawer bottom	plywood	1/4	(6)	17 9/16	(446)	WX-3 1/4	(-82)	
O	1	shelf	plywood	3/4	(19)	18 1/2	(470)	WX-1 5/8	(-41)	

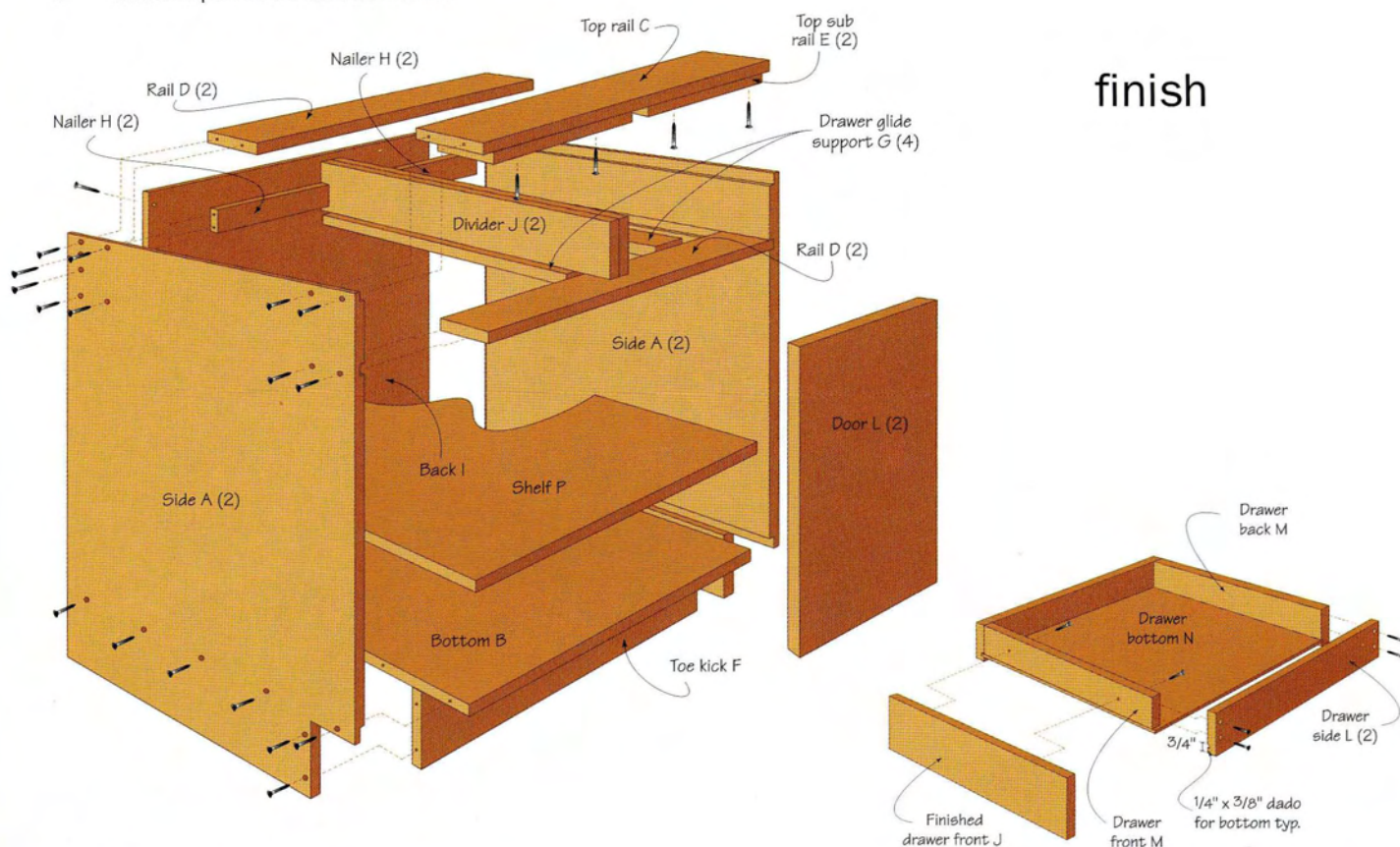
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VB33		

HARDWARE NEEDED:

- 4 95°-opening European hinges
- 2 sets 18"- full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 4 handles or pulls for the doors and drawers

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	32 1/4	(819)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	32 1/4	(819)	
D	2	rails	plywood	3/4	(19)	3	(76)	32 1/4	(819)	
E	2	top sub rails	plywood	3/4	(19)	3	(76)	31 1/2	(800)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	31 1/2	(800)	
G	4	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	2	nailers	plywood	3/4	(19)	3	(76)	15	(381)	
I	1	back	plywood	1/4	(6)	32 1/4	(819)	26 3/4	(679)	
J	2	dividers	plywood	3/4	(19)	5 1/4	(133)	19 3/4	(502)	nail or screw together
K	2	finished drawer fronts	plywood	3/4	(19)	5 1/8	(130)	16 1/16	(408)	
L	2	doors	plywood	3/4	(19)	16 1/16	(408)	20 3/4	(527)	
M	4	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
N	4	drawer fronts and backs	plywood	3/4	(19)	4	(102)	12 1/2	(318)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
O	2	drawer bottoms	plywood	1/4	(6)	17 9/16	(446)	13 1/4	(336)	
P	1	shelf	plywood	3/4	(19)	18 1/2	(470)	31 3/8	(797)	

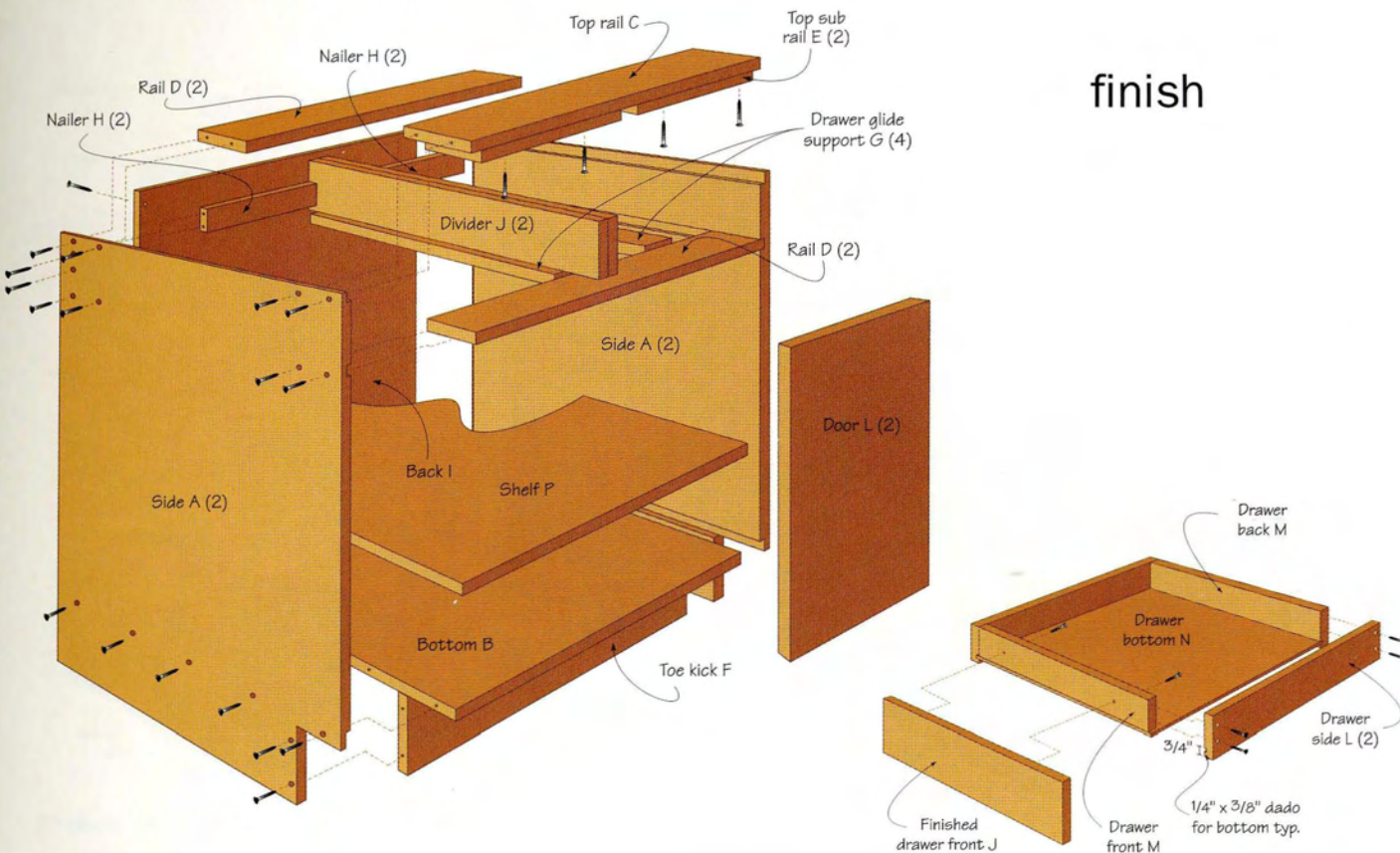
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VB36		

HARDWARE NEEDED:

- 4 95°-opening European hinges
- 2 sets 18" - full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 4 handles or pulls for the doors and drawers

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	35 1/4	(895)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	35 1/4	(895)	
D	2	rails	plywood	3/4	(19)	3	(76)	35 1/4	(895)	
E	2	top sub rails	plywood	3/4	(19)	3	(76)	34 1/2	(877)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	34 1/2	(877)	
G	4	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	2	nailers	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
I	1	back	plywood	1/4	(6)	35 1/4	(895)	26 3/4	(679)	
J	2	dividers	plywood	3/4	(19)	5 1/4	(133)	19 3/4	(502)	nail or screw together
K	2	finished drawer fronts	plywood	3/4	(19)	5 1/8	(130)	17 9/16	(446)	
L	2	doors	plywood	3/4	(19)	17 9/16	(446)	20 3/4	(527)	
M	4	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
N	4	drawer fronts and backs	plywood	3/4	(19)	4	(102)	14	(356)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
O	2	drawer bottoms	plywood	1/4	(6)	17 9/16	(446)	14 3/4	(375)	
P	1	shelf	plywood	3/4	(19)	18 1/2	(470)	34 3/8	(874)	

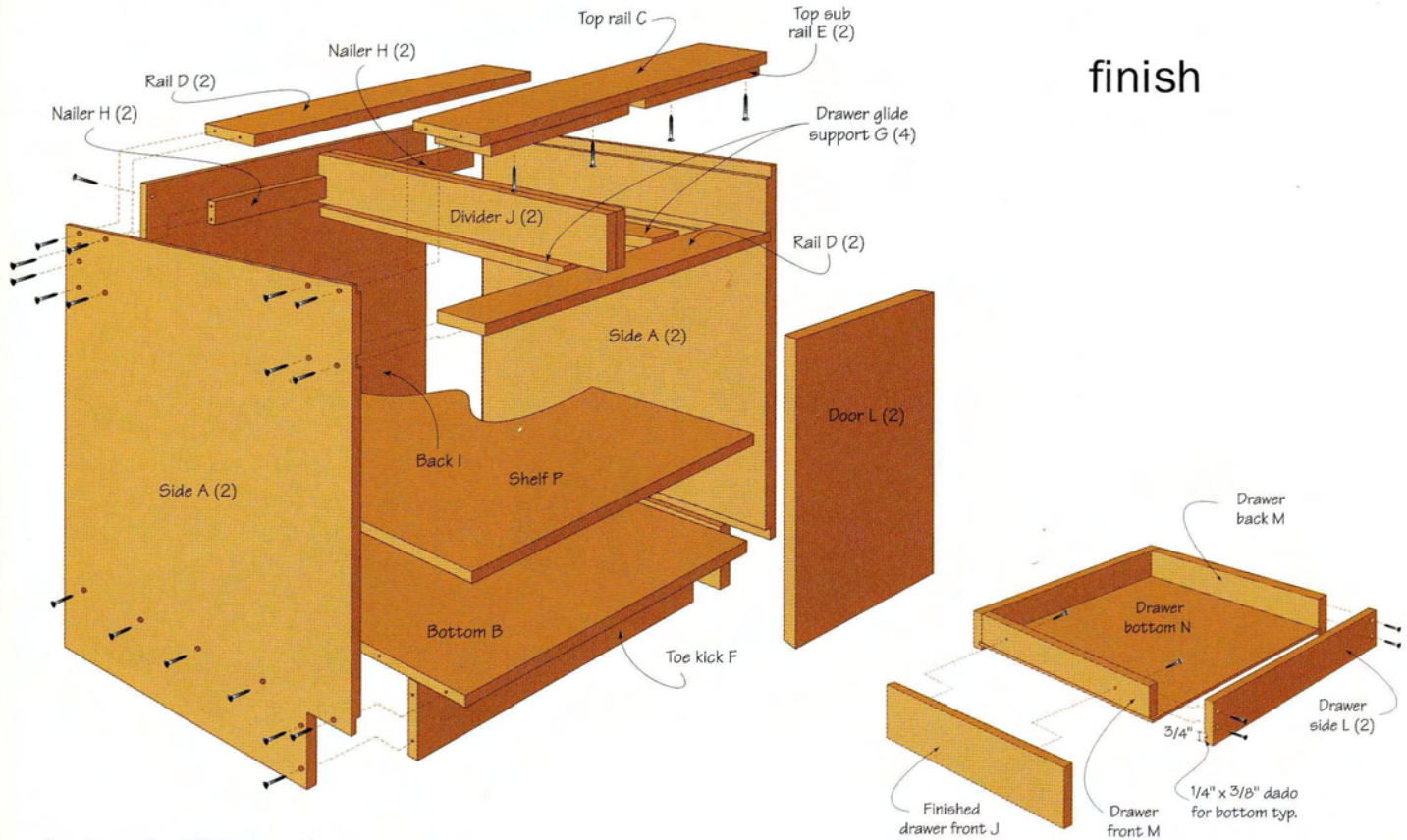
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VB42		

HARDWARE NEEDED:

- 4 95°-opening European hinges
- 2 sets 18"- full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 4 handles or pulls for the doors and drawers

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes on back edge and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	41 1/4	(1047)	cut 1/4 x 1/4 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	41 1/4	(1047)	
D	2	rails	plywood	3/4	(19)	3	(76)	41 1/4	(1047)	
E	2	top sub rails	plywood	3/4	(19)	3	(76)	40 1/2	(1029)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	40 1/2	(1029)	
G	4	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	2	nailers	plywood	3/4	(19)	3	(76)	20 1/4	(514)	
I	1	back	plywood	1/4	(6)	41 1/4	(1047)	26 3/4	(679)	
J	2	dividers	plywood	3/4	(19)	5 1/4	(133)	19 3/4	(502)	nail or screw together
K	2	finished drawer fronts	plywood	3/4	(19)	5 1/8	(130)	20 9/16	(522)	
L	2	doors	plywood	3/4	(19)	20 9/16	(522)	20 3/4	(527)	
M	4	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
N	4	drawer fronts and backs	plywood	3/4	(19)	4	(102)	17	(432)	cut 1/4 x 3/8 dadoes for drawer bottom, rip front to 3 1/4-wide
O	2	drawer bottoms	plywood	1/4	(6)	17 9/16	(446)	17 3/4	(451)	
P	1	shelf	plywood	3/4	(19)	18 1/2	(470)	40 3/8	(1026)	

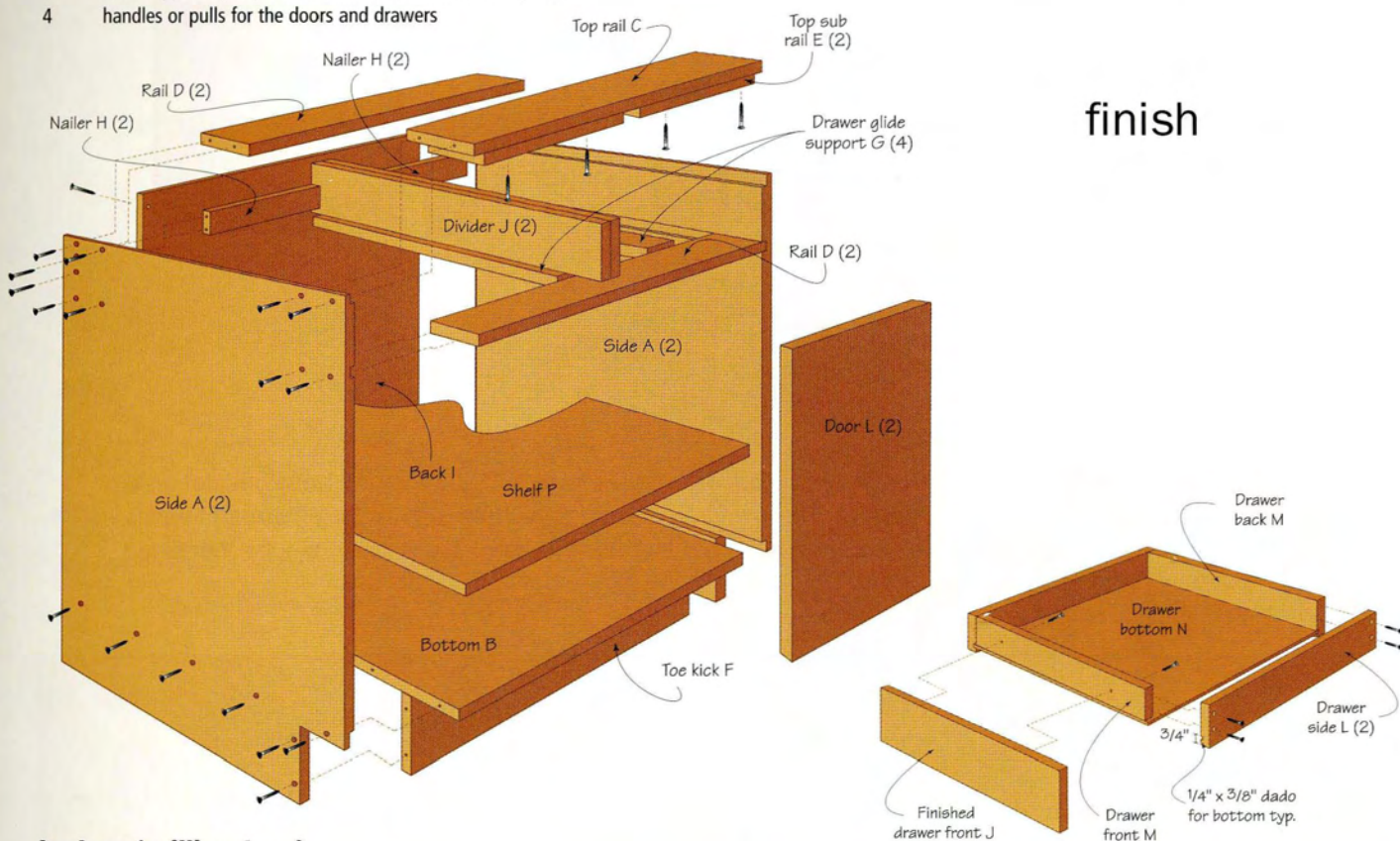
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VBWX		

HARDWARE NEEDED:

- 4 95°-opening European hinges
- 2 sets 18" - full extension drawer slides
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 4 handles or pulls for the doors and drawers

color

finish

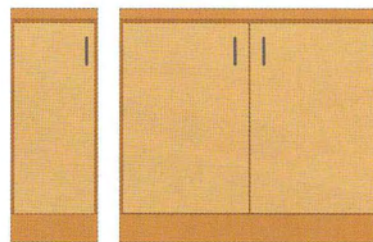


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes on back edge and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	WX-3/4	(-19)	WX = width of cabinet, cut 1/4 x 1/4 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	WX-3/4	(-19)	
D	2	rails	plywood	3/4	(19)	3	(76)	WX-3/4	(-19)	
E	2	top sub rails	plywood	3/4	(19)	3	(76)	WX-3÷2	(-76÷2)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	WX-1 1/2	(-38)	
G	4	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	2	nailers	plywood	3/4	(19)	3	(76)	WX-3÷2	(-76÷2)	
I	1	back	plywood	1/4	(6)	WX-3/4	(-19)	26 3/4	(679)	
J	2	dividers	plywood	3/4	(19)	5 1/4	(133)	19 3/4	(502)	nail or screw together
K	2	finished drawer fronts	plywood	3/4	(19)	5 1/8	(130)	WX-7/8÷2	(-22÷2)	
L	2	doors	plywood	3/4	(19)	WX-7/8÷2	(-22÷2)	20 3/4	(527)	
M	4	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottom
N	4	drawer fronts and backs	plywood	3/4	(19)	4	(102)	Y-2 1/2	(-64)	Y = width of part E, cut 1/4 x 3/8 dadoes for drawer bottom
O	2	drawer bottoms	plywood	1/4	(6)	17 9/16	(446)	Y-1 3/4	(-45)	
P	1	shelf	plywood	3/4	(19)	18 1/2	(470)	WX-1 5/8	(-41)	

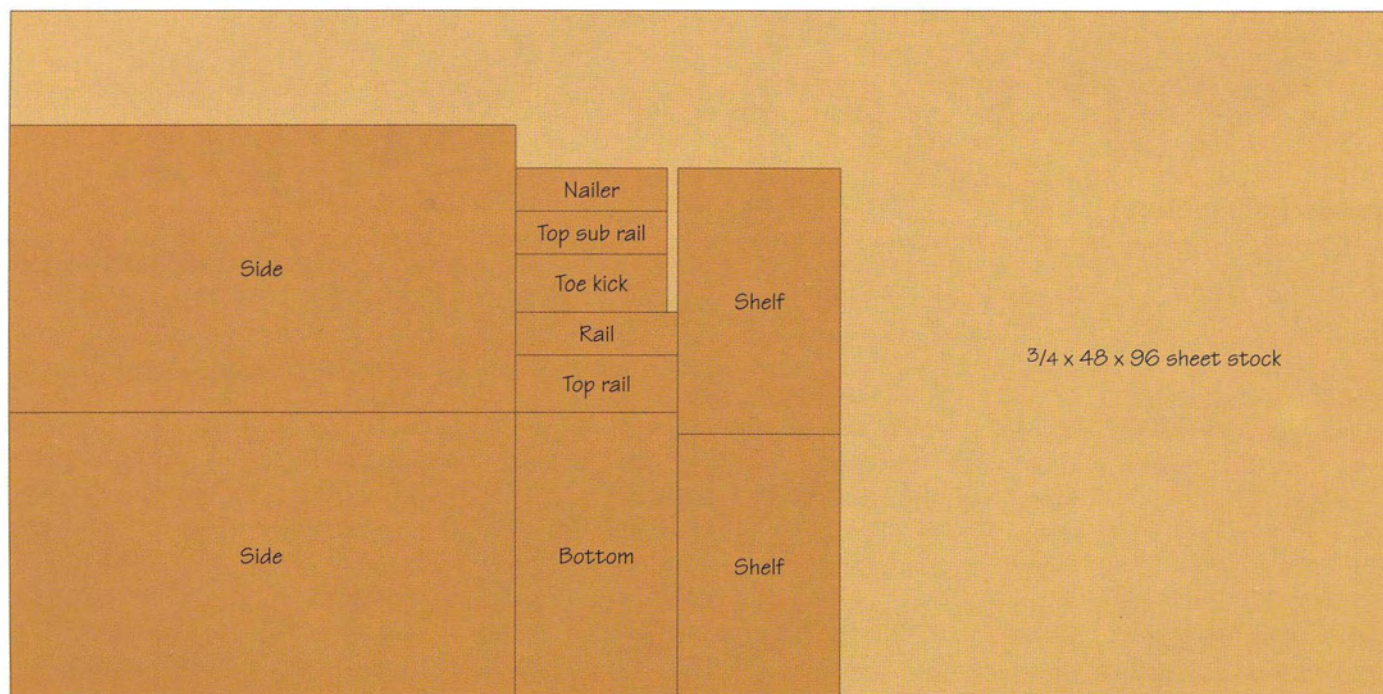


vanity cabinets without drawers

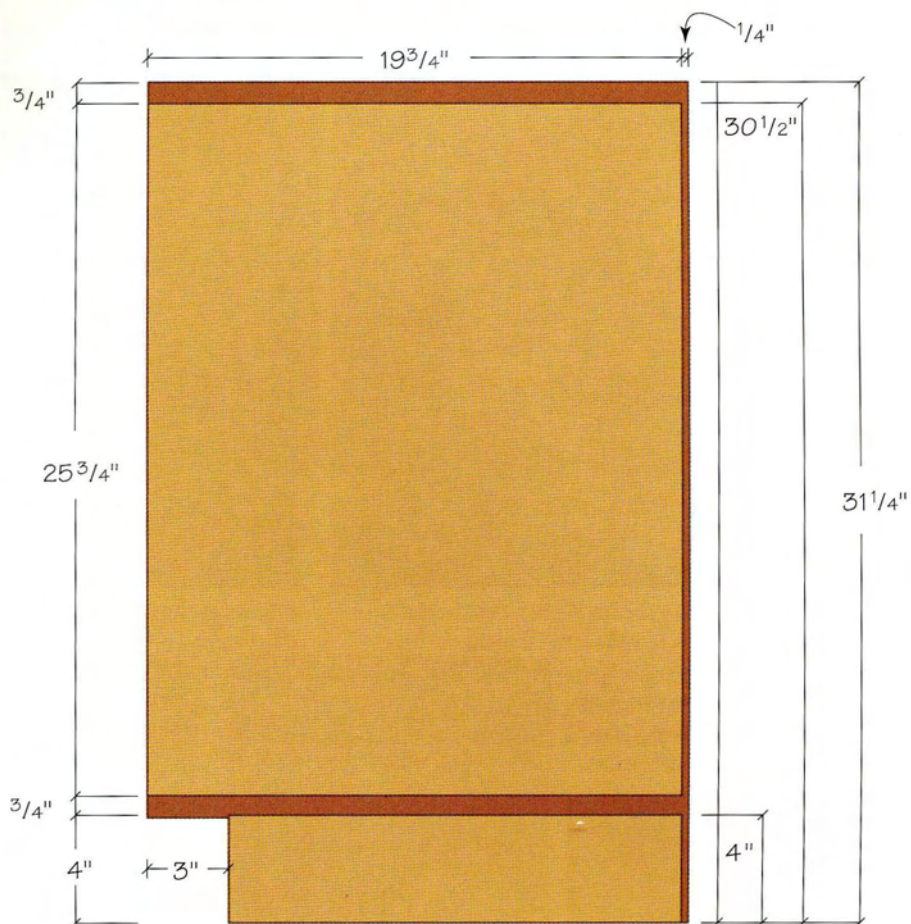


OPTIMIZATION OF PARTS

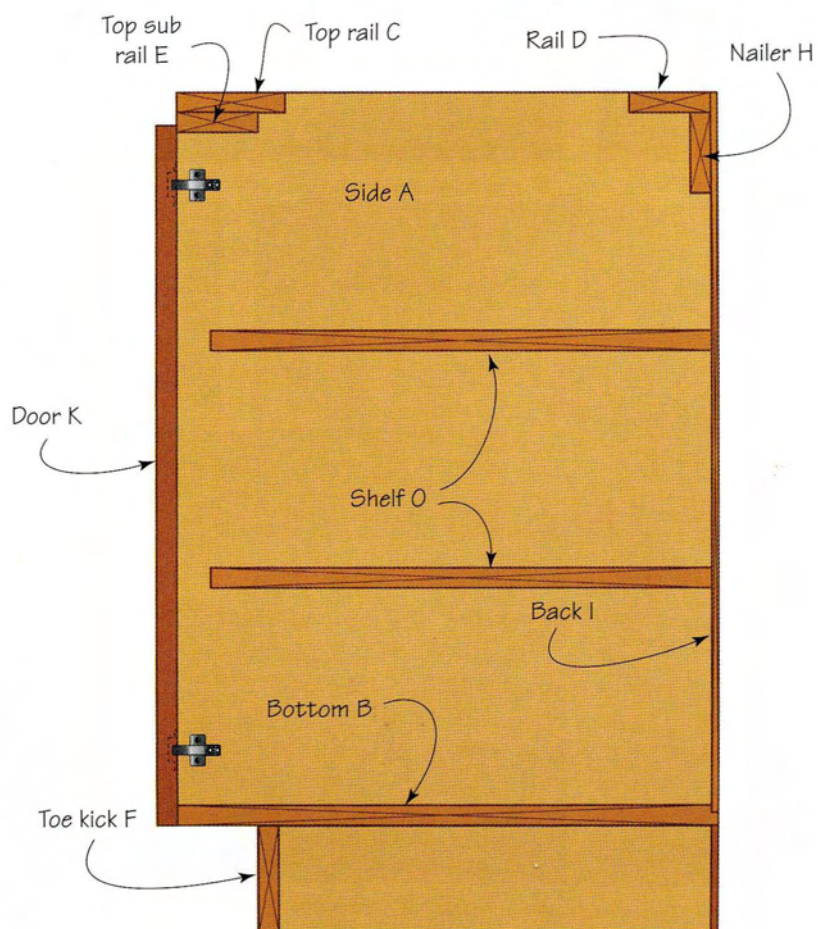
This optimization drawing is for a 12"-wide vanity base cabinet w/o drawers. The layout of the parts will be similar for all sizes of vanity base cabinets w/o drawers. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL





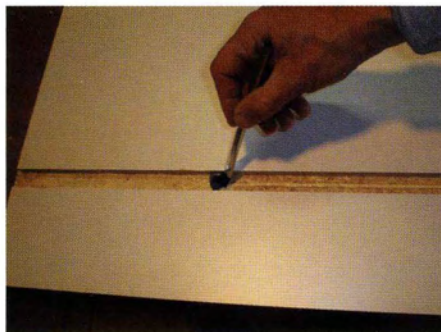
1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router set up on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to 4" to cut the dado for the bottom panel first. See the illustration for layout details.



2 Reset the fence to 30½" and cut the dado for the top rails. If you're using your router, you can reset the fence on the router table (if the table is large enough) or use a straightedge to guide the router for this cut.



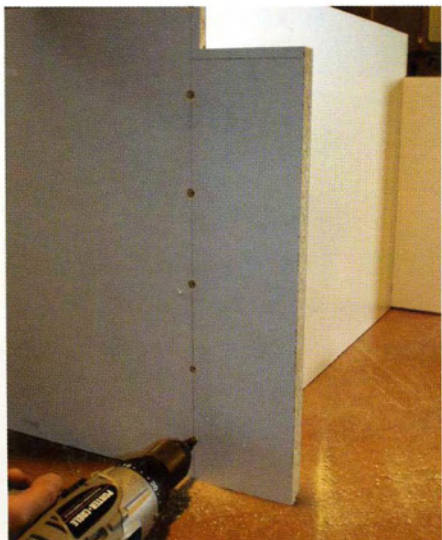
3 Reset the fence to 19¾" and cut the rabbet for the back panel. Make the toe kick cutouts. See "Cutting Toe Kick Notches" on page 8.



4 Get some wood glue, a brush and a damp cloth. Apply a bead of glue to the bottom dado in a side panel and brush the glue evenly in the dado.



5 Stand the right side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel. Use 1¼" narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart). Wipe any excess glue.



6 Attach the other side.



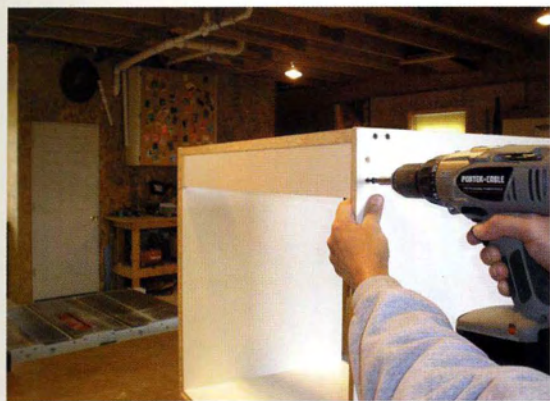
7 Attach the toe kick between the sides.



8 Install the front and back rails. Use a clamp to hold the rails in place.



9 Attach the sub rail under the top rail.



10 Install the nailer at the back of the cabinet.



11 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



12 Add glue to the rabbets.



13 Check for squareness and attach the back.

JOB

TYPE OF CABINET

OF CABINETS

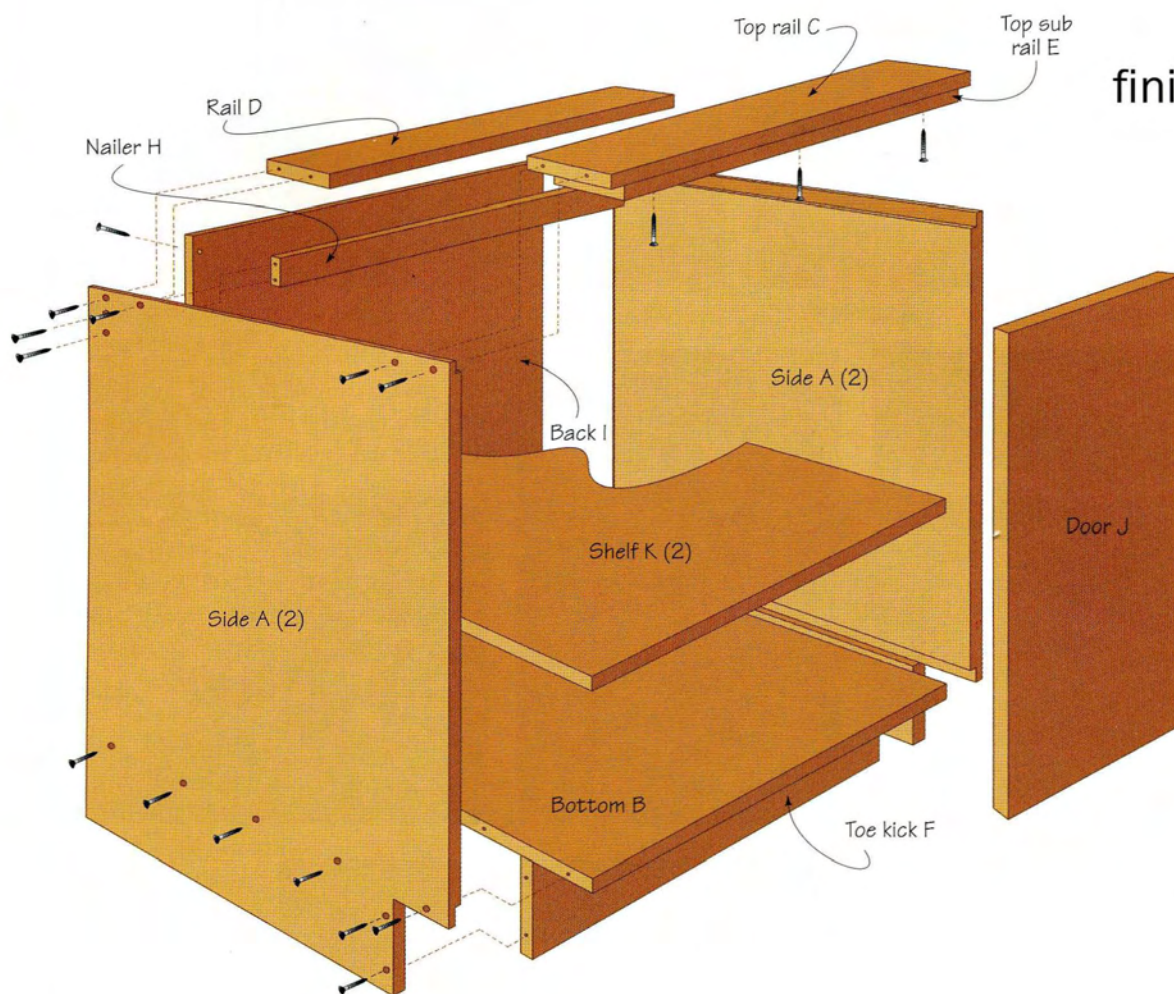
DATE

VBw/o12**HARDWARE NEEDED:**

- 2 95°- opening European hinges
 8 shelf supports (pins), either 5mm or 1/4" hole size required
 1 handle or pull for the door

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	11 1/4	(285)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	11 1/4	(285)	
D	1	rail	plywood	3/4	(19)	3	(76)	11 1/4	(285)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	10 1/2	(267)	
H	1	nailer	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
I	1	back	plywood	1/4	(6)	11 1/4	(285)	26 3/4	(679)	
J	1	door	plywood	3/4	(19)	11 1/4	(285)	26	(660)	
K	2	shelves	plywood	3/4	(19)	18 1/2	(470)	10 3/8	(264)	

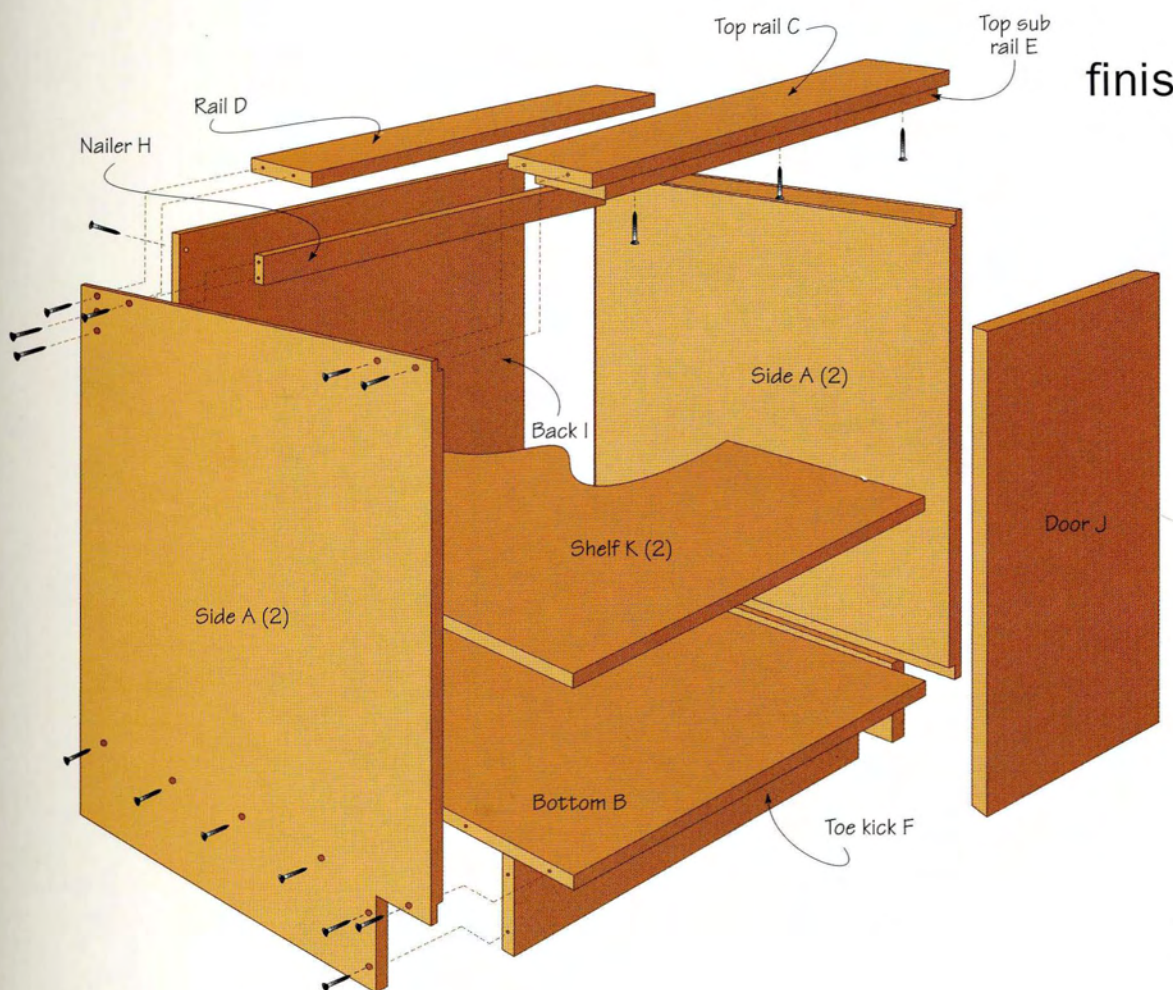
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VBw/o15		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 1 handle or pull for the door

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dados for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	14 1/4	(362)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	14 1/4	(362)	
D	1	rail	plywood	3/4	(19)	3	(76)	14 1/4	(362)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	13 1/2	(343)	
H	1	nailer	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
I	1	back	plywood	1/4	(6)	14 1/4	(362)	26 3/4	(679)	
J	1	door	plywood	3/4	(19)	14 1/4	(362)	26	(660)	
K	2	shelves	plywood	3/4	(19)	18 1/2	(470)	13 3/8	(340)	

JOB

TYPE OF CABINET

OF CABINETS

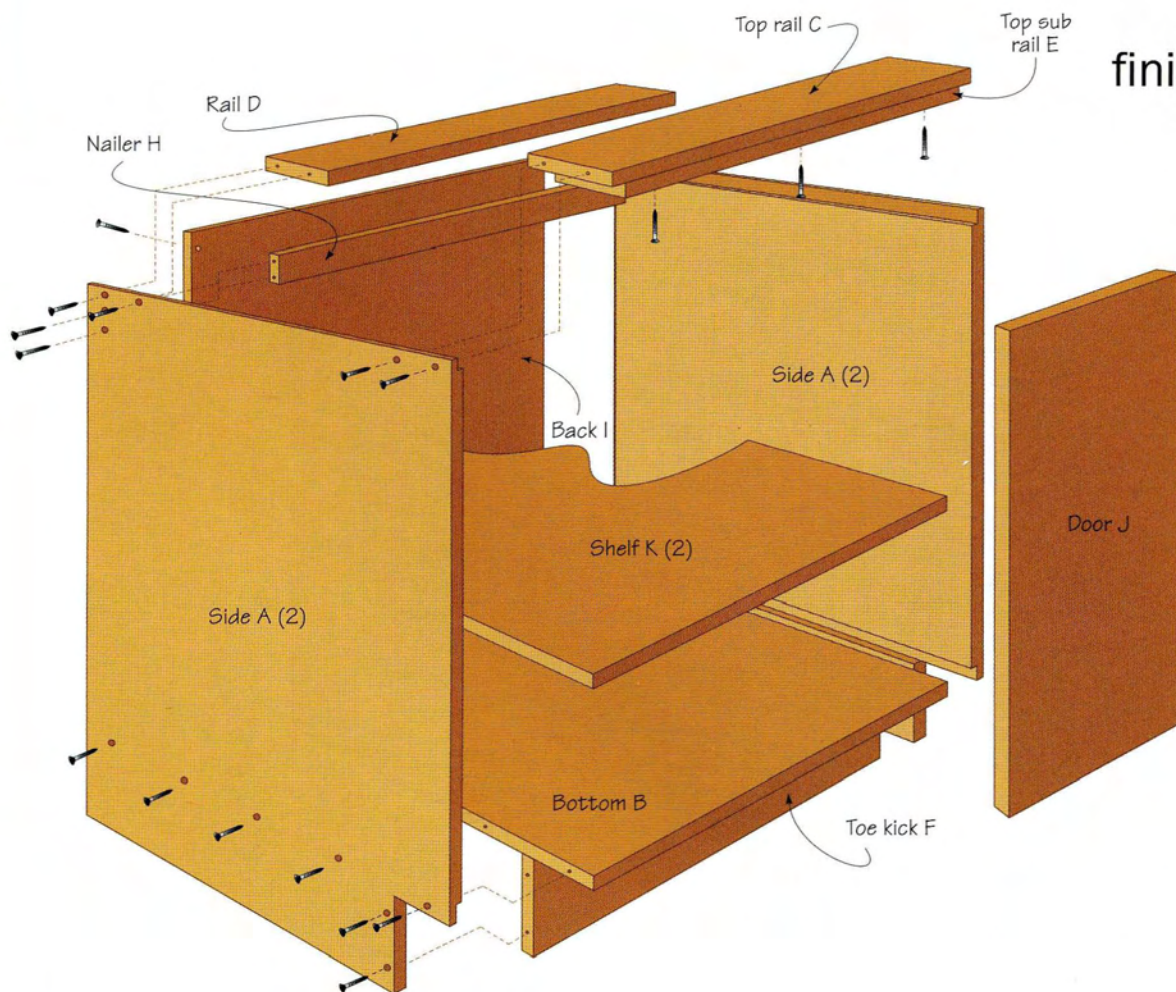
DATE

VBw/o18**HARDWARE NEEDED:**

- 2 95°- opening European hinges
 8 shelf supports (pins), either 5mm or 1/4" hole size required
 1 handle or pull for the door

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	17 1/4	(438)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	17 1/4	(438)	
D	1	rail	plywood	3/4	(19)	3	(76)	17 1/4	(438)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	16 1/2	(419)	
H	1	nailer	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
I	1	back	plywood	1/4	(6)	17 1/4	(438)	26 3/4	(679)	
J	1	door	plywood	3/4	(19)	17 1/4	(438)	26	(660)	
K	2	shelves	plywood	3/4	(19)	18 1/2	(470)	16 3/8	(416)	

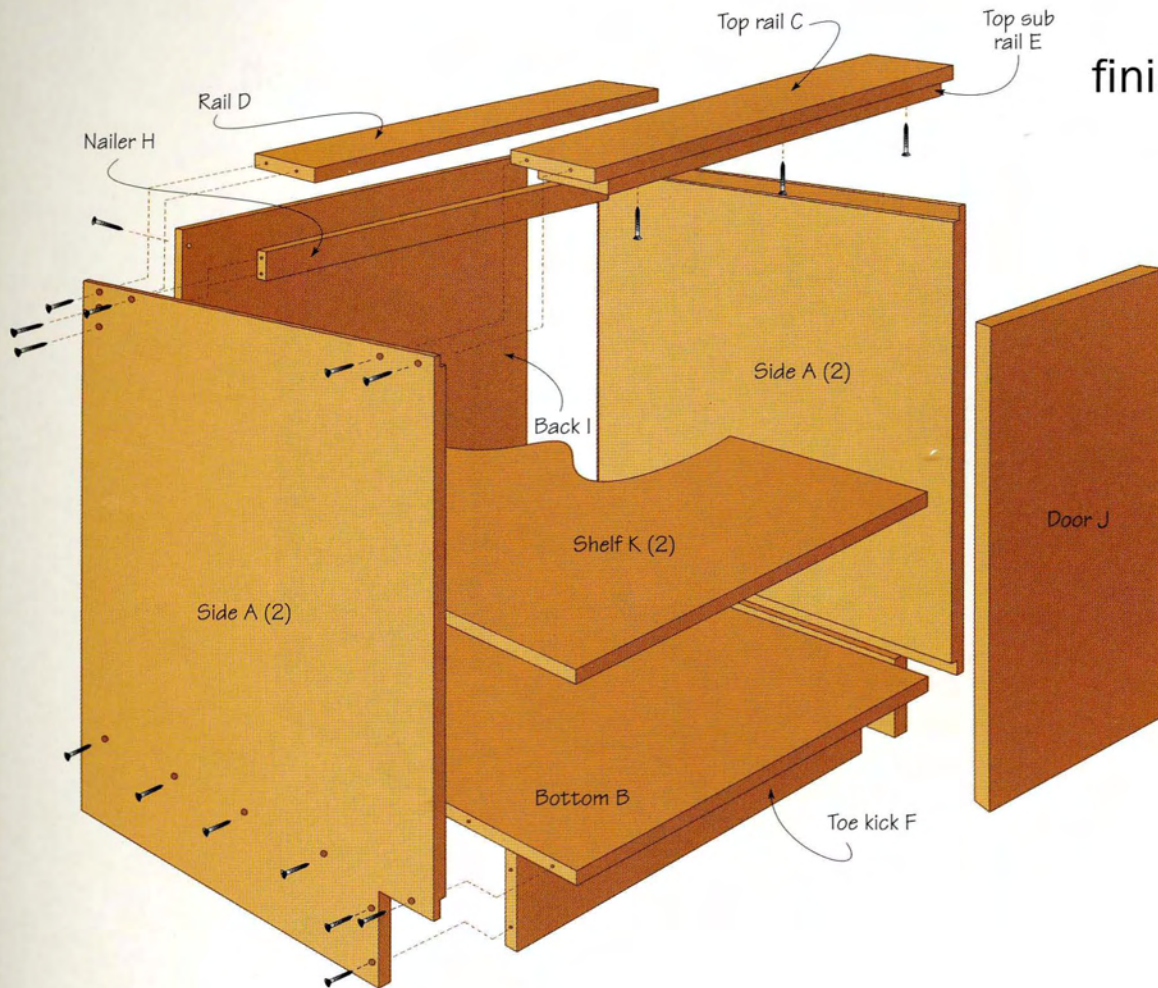
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VBw/o21		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 1 handle or pull for the door

color

finish



inches (millimeters)

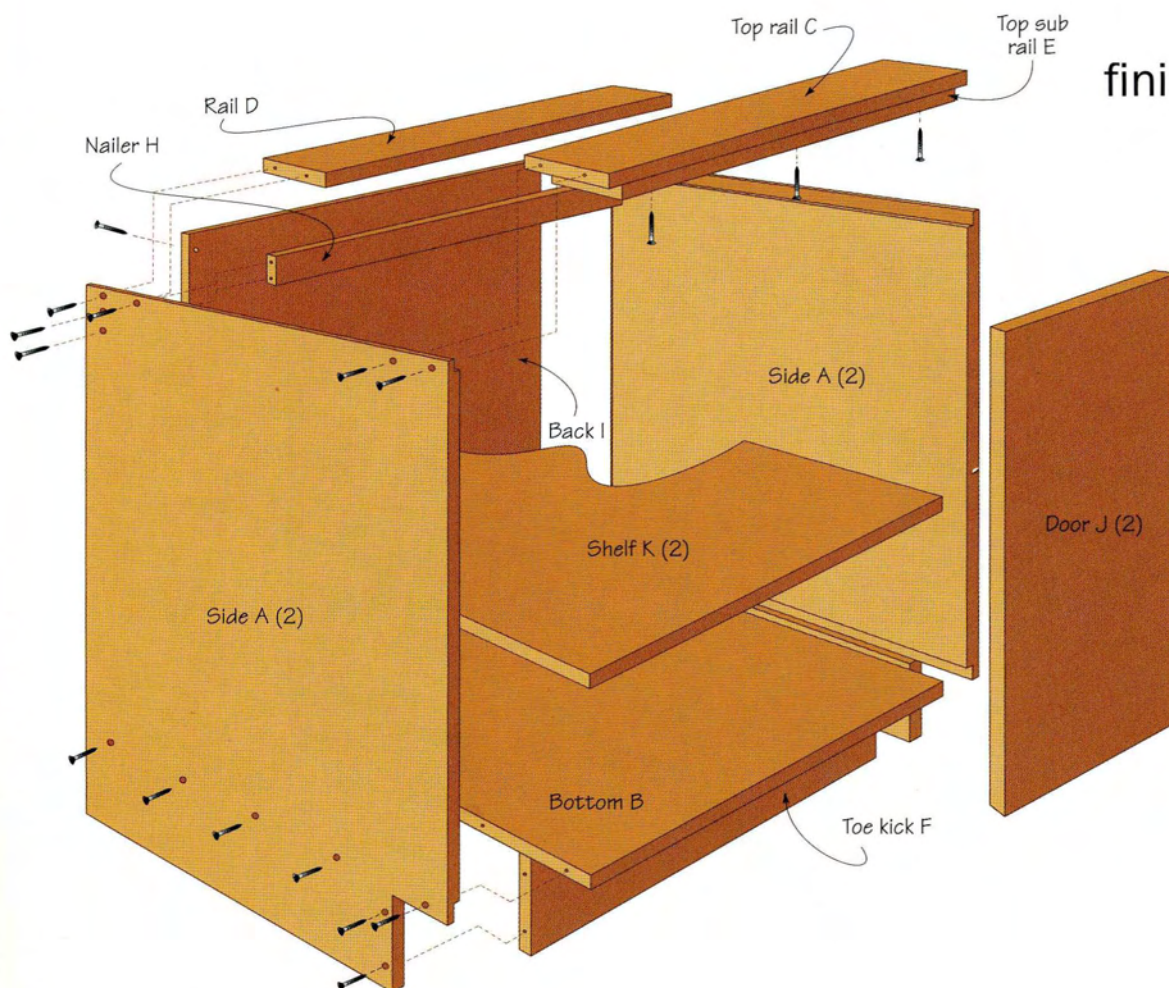
REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	20 (508)	31 1/4 (794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4 (19)	20 (508)	20 1/4 (514)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4 (19)	4 (102)	20 1/4 (514)	
D	1	rail	plywood	3/4 (19)	3 (76)	20 1/4 (514)	
E	1	top sub rail	plywood	3/4 (19)	3 (76)	19 1/2 (496)	
F	1	toe kick	plywood	3/4 (19)	4 (102)	19 1/2 (496)	
H	1	nailer	plywood	3/4 (19)	3 (76)	19 1/2 (496)	
I	1	back	plywood	1/4 (6)	20 1/4 (514)	26 3/4 (679)	
J	1	door	plywood	3/4 (19)	20 1/4 (514)	26 (660)	
K	2	shelves	plywood	3/4 (19)	18 1/2 (470)	19 3/8 (493)	

VBw/o24**HARDWARE NEEDED:**

- 4 95°- opening European hinges
 8 shelf supports (pins), either 5mm or 1/4" hole size required
 2 handles or pulls for the doors

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	23 1/4	(590)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	23 1/4	(590)	
D	1	rail	plywood	3/4	(19)	3	(76)	23 1/4	(590)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	22 1/2	(572)	
H	1	nailer	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
I	1	back	plywood	1/4	(6)	23 1/4	(590)	26 3/4	(679)	
J	2	doors	plywood	3/4	(19)	11 9/16	(294)	26	(660)	
K	2	shelves	plywood	3/4	(19)	18 1/2	(470)	22 3/8	(569)	

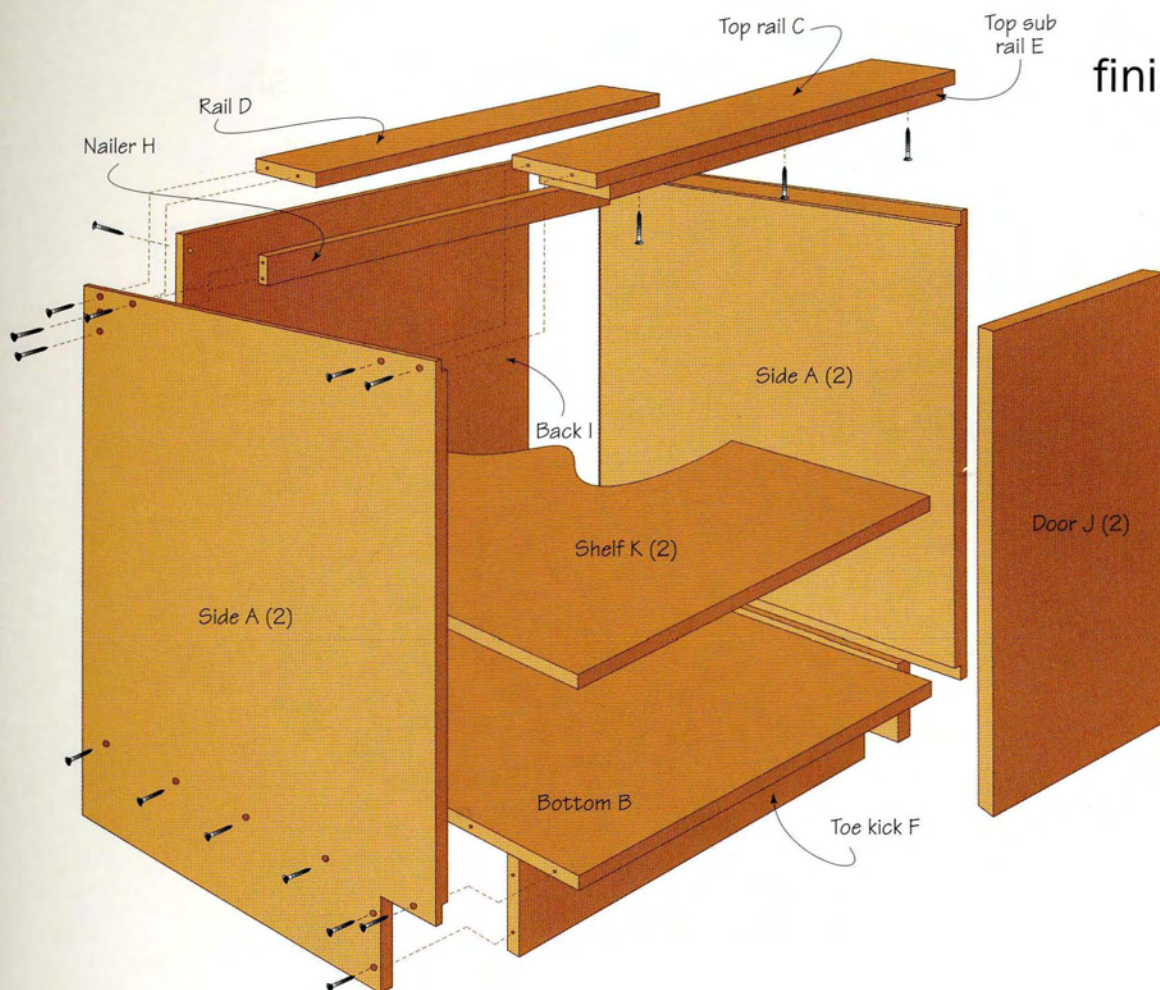
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VBw/o27		

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	20 (508)	31 1/4 (794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4 (19)	20 (508)	26 1/4 (666)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4 (19)	4 (102)	26 1/4 (666)	
D	1	rail	plywood	3/4 (19)	3 (76)	26 1/4 (666)	
E	1	top sub rail	plywood	3/4 (19)	3 (76)	25 1/2 (648)	
F	1	toe kick	plywood	3/4 (19)	4 (102)	25 1/2 (648)	
H	1	nailer	plywood	3/4 (19)	3 (76)	25 1/2 (648)	
I	1	back	plywood	1/4 (6)	26 1/4 (666)	26 3/4 (679)	
J	2	doors	plywood	3/4 (19)	13 1/16 (332)	26 (660)	
K	2	shelves	plywood	3/4 (19)	18 1/2 (470)	25 3/8 (645)	

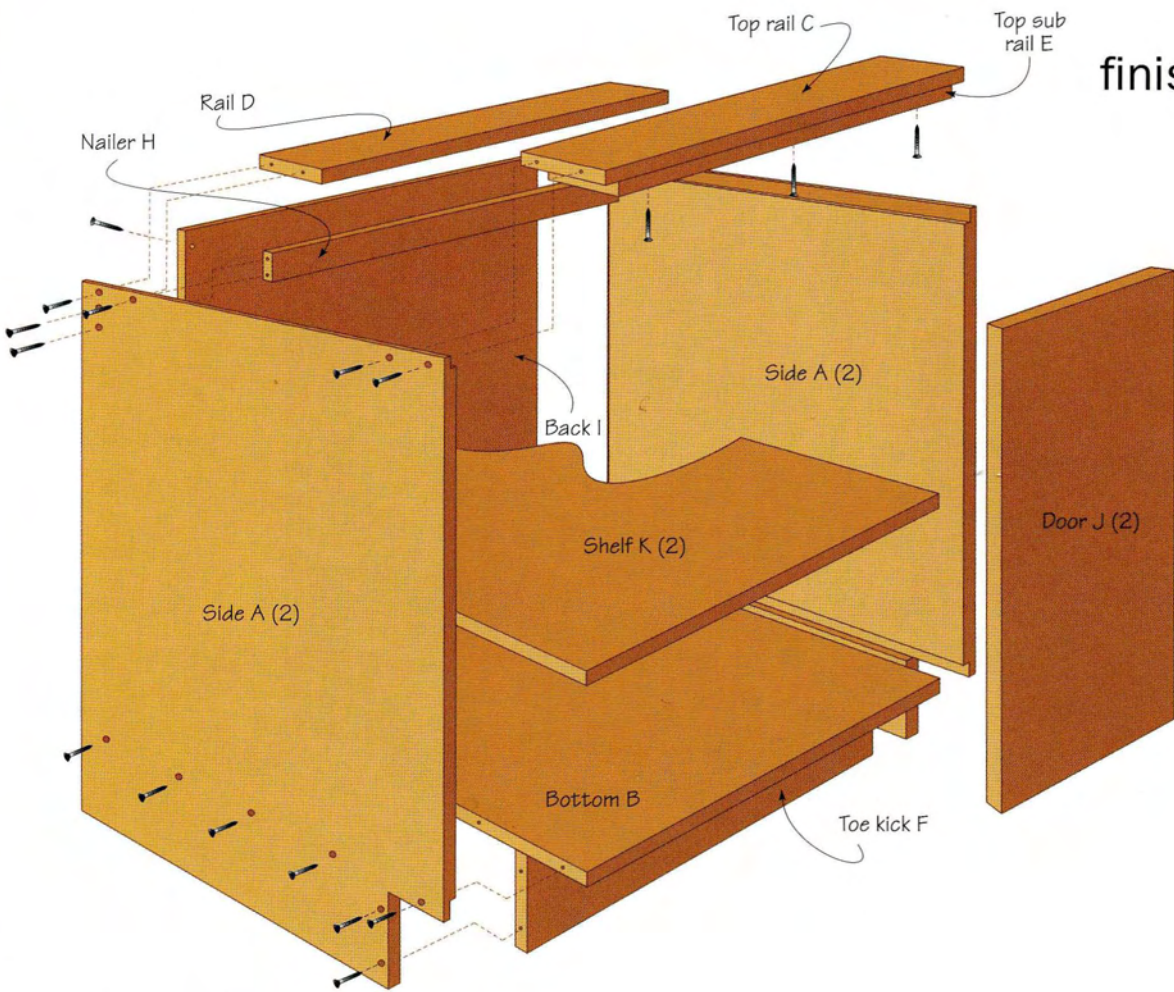
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VBw/o30		

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	29 1/4	(743)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	29 1/4	(743)	
D	1	rail	plywood	3/4	(19)	3	(76)	29 1/4	(743)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	28 1/2	(724)	
H	1	nailer	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
I	1	back	plywood	1/4	(6)	29 1/4	(743)	26 3/4	(679)	
J	2	doors	plywood	3/4	(19)	14 9/16	(370)	26	(660)	
K	2	shelves	plywood	3/4	(19)	18 1/2	(470)	28 3/8	(721)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VBw/oWX		

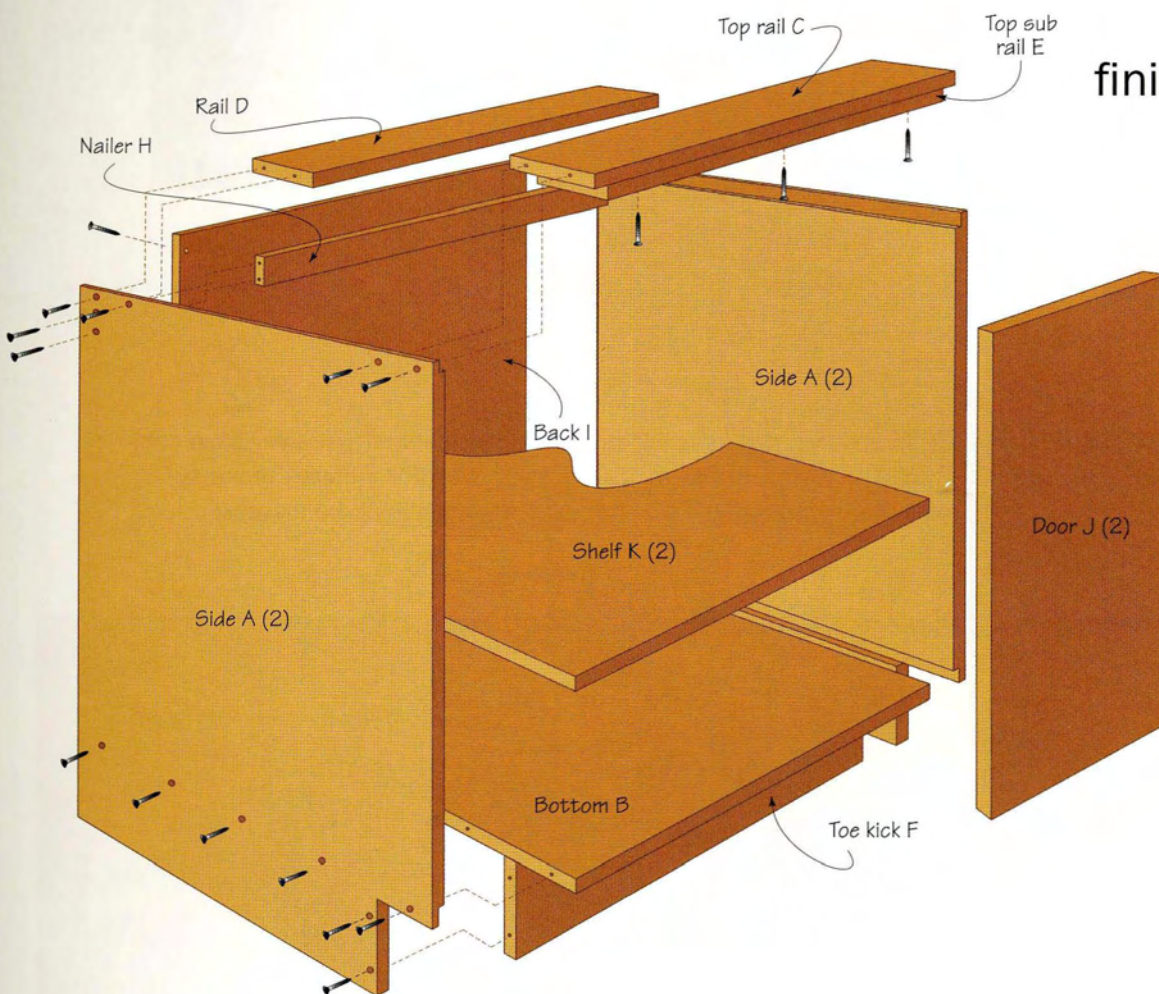
HARDWARE NEEDED:

- 4 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish

VBw/oWX

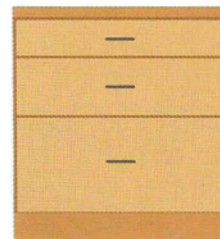


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	20 (508)	31 1/4 (794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4 (19)	20 (508)	WX-3/4 (-19)	WX = width of cabinet, cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4 (19)	4 (102)	WX-3/4 (-19)	
D	1	rail	plywood	3/4 (19)	3 (76)	WX-3/4 (-19)	
E	1	top sub rail	plywood	3/4 (19)	3 (76)	WX-1 1/2 (-38)	
F	1	toe kick	plywood	3/4 (19)	4 (102)	WX-1 1/2 (-38)	
H	1	nailer	plywood	3/4 (19)	3 (76)	WX-1 1/2 (-38)	
I	1	back	plywood	1/4 (6)	WX-3/4 (-19)	26 3/4 (679)	
J	2	doors	plywood	3/4 (19)	WX-3/4 (-19)	26 (660)	24 or wider WX-7/8 ÷ 2 (-22 ÷ 2)
K	2	shelves	plywood	3/4 (19)	18 1/2 (470)	WX-1 5/8 (-41)	

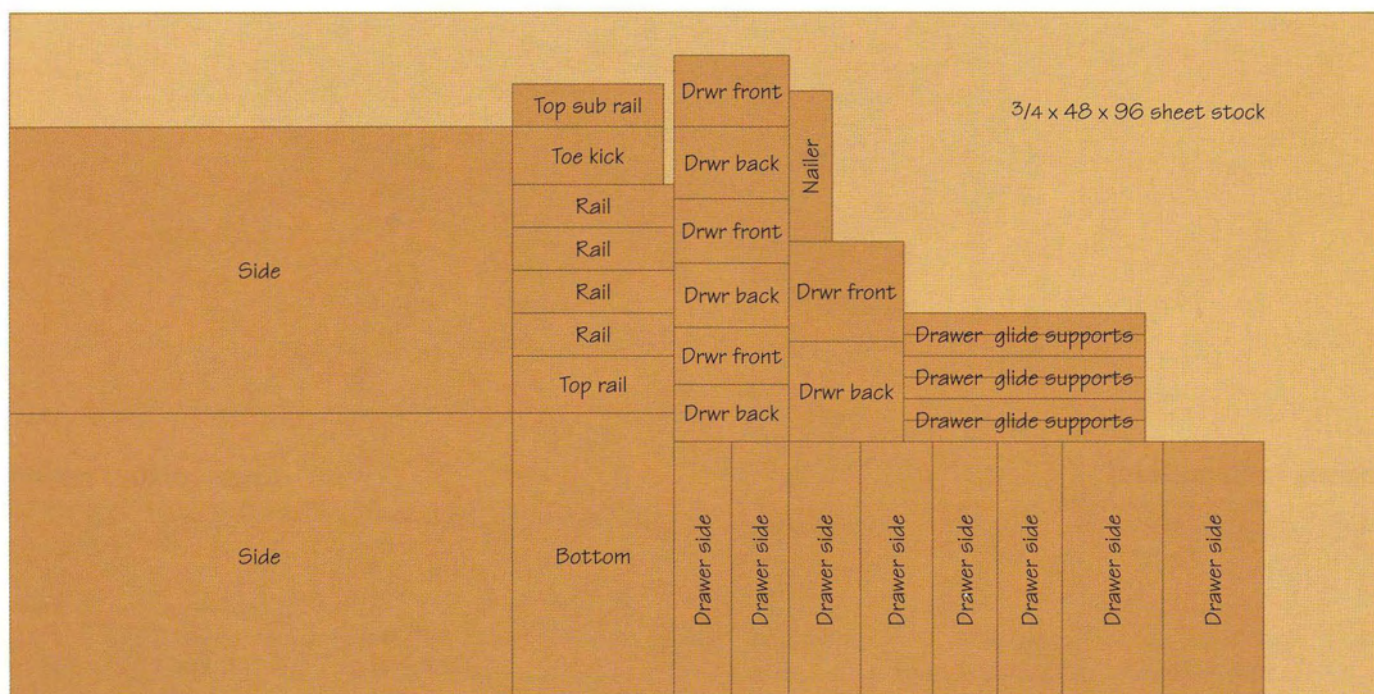


vanity base cabinets with drawers



OPTIMIZATION OF PARTS

This optimization drawing is for a 12"-wide vanity drawer base cabinet. The layout of the parts will be similar for all sizes of vanity drawer base cabinets. Widths of some parts will be increased.



Technical drawing of a book cover with dimensions. The cover is divided into three horizontal sections. The top section is 30 1/2" high. The middle section is 24 1/2" high. The bottom section is 14 3/4" high. The total height is 31 1/4". The width is 19 3/4". The spine is 3 1/4" wide. The cover material is a textured yellowish-brown. The spine is a dark brown. The corners are rounded. The drawing includes dimension lines and arrows indicating measurements.

Dimensions:

- Top section height: 30 1/2"
- Middle section height: 24 1/2"
- Bottom section height: 14 3/4"
- Total height: 31 1/4"
- Width: 19 3/4"
- Spine width: 3 1/4"
- Bottom section width: 4"
- Bottom section height: 4"



1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router setup on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to 4" to cut the dado for the bottom panel first. See the illustration for layout details.



2 Reset the fence to $14\frac{3}{4}$ " and cut the dado for the bottom drawer glide supports. If you're using your router, you can reset the fence on the router table (if the table is large enough) or use a straightedge to guide the router for this cut.



3 Reset the fence to $24\frac{1}{2}$ " and cut the dado for the next drawer glide support.



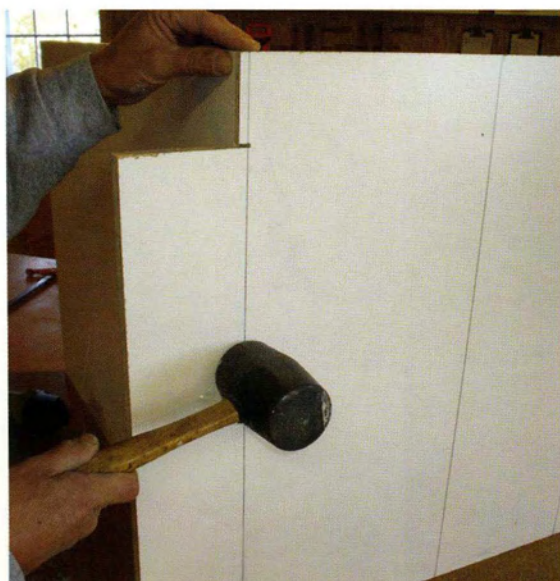
4 Reset the fence to $30\frac{1}{2}$ " and cut the rabbet for the top rails.



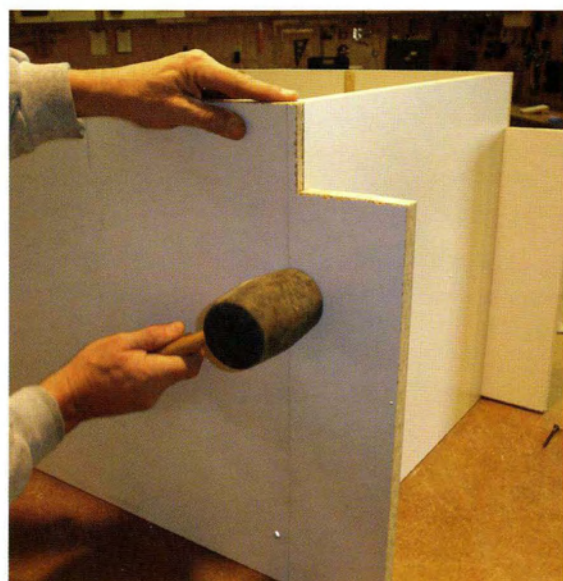
5 Reset the fence to $19\frac{3}{4}$ " and cut the rabbets for the back panel. Then, make right and left pairs of the cabinet sides and cut the toe kick notches. See "Cutting Toe Kick Notches" on page 8.



6 Run a bead of glue in the dado for the bottom panel.



7 Stand the right side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



8 Attach the left side the same way as the right side.



9 Attach the toe kick between the sides.



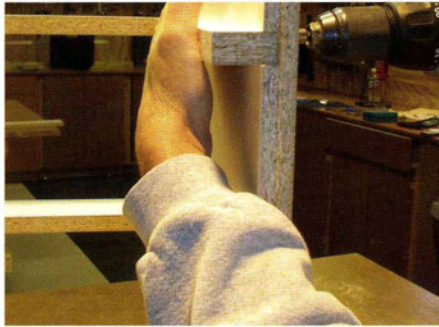
10 Stand the cabinet up, then install the rails using glue and staples or screws. Use a bar clamp to hold the sides tight to the rails.



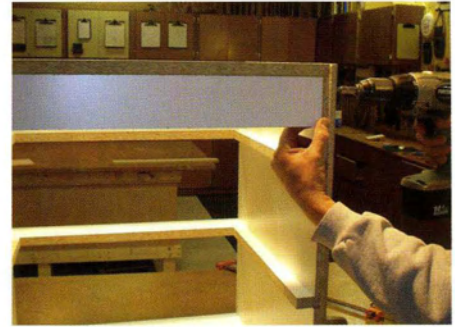
11 Install the sub rail. Secure it with staples or 1 1/4"-long No.8 drywall screws.



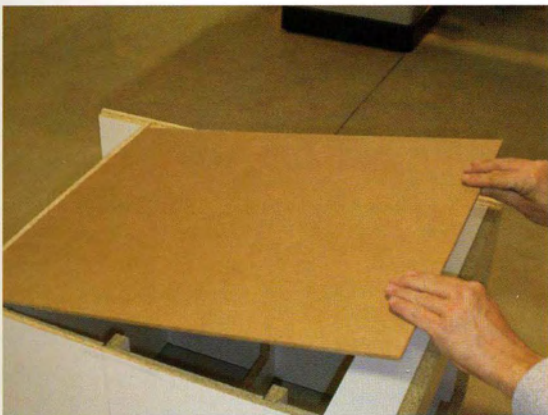
12 Install the drawer rails.



13 Install the drawer glide supports.



14 Install the nailer at the top back of the cabinet.



15 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



16 Add glue to the rabbets and set the back panel in place. Be sure to check for squareness of the cabinet, then attach the back.

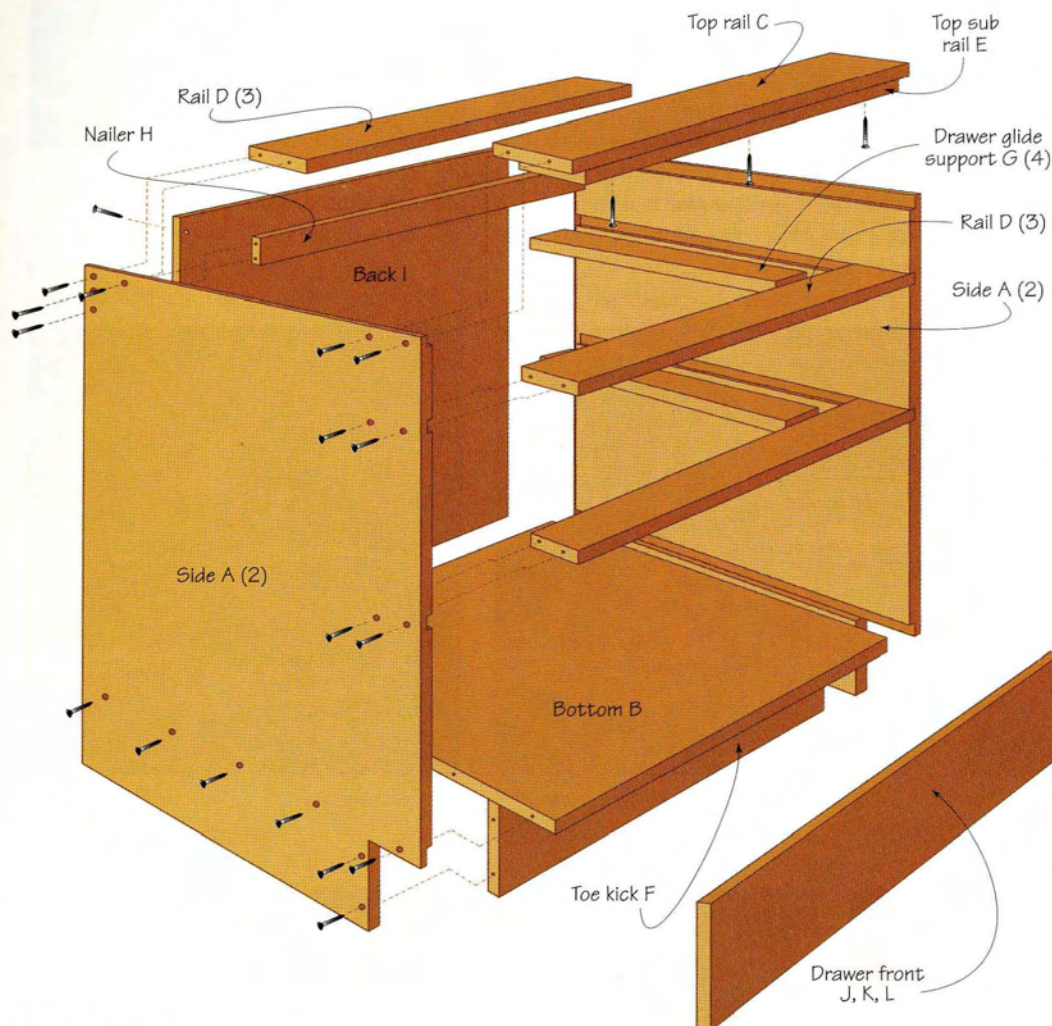
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDB12		

HARDWARE NEEDED:

- 3 sets 18"- full extension drawer slides
3 handles or pulls for the drawers

color

finish

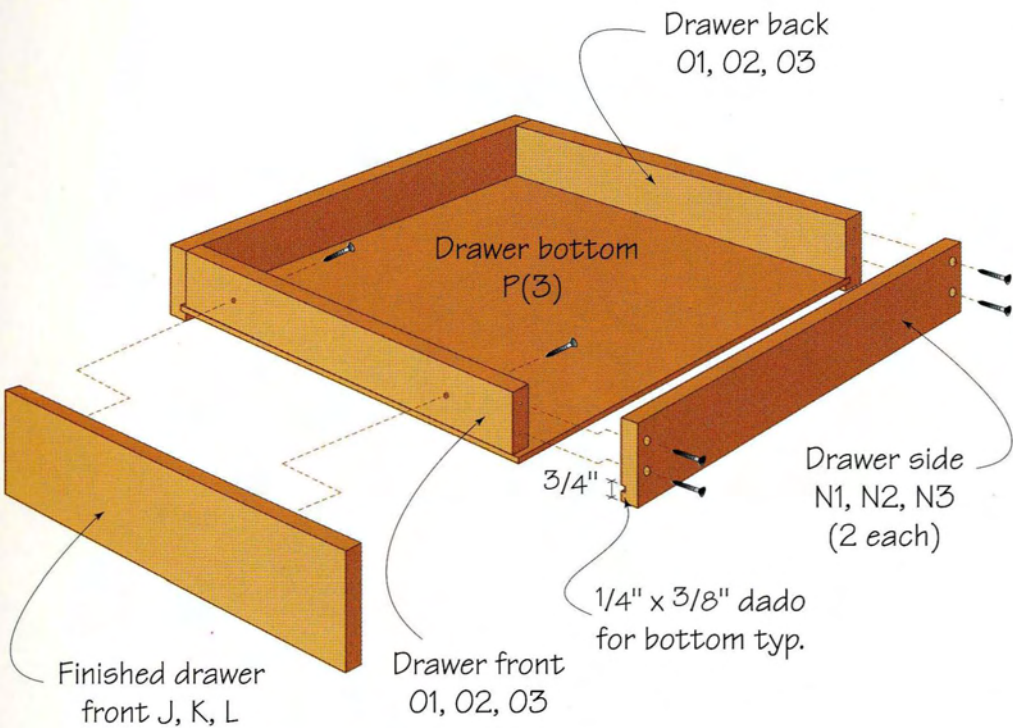


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	20	(508)	$31\frac{1}{4}$	(794)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3"x4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	20	(508)	$11\frac{1}{4}$	(285)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$	(19)	4	(102)	$11\frac{1}{4}$	(285)	
D	3	rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$11\frac{1}{4}$	(285)	
E	1	top sub rail	plywood	$\frac{3}{4}$	(19)	3	(76)	$10\frac{1}{2}$	(267)	
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$10\frac{1}{2}$	(267)	
G	4	drawer glide supports	plywood	$\frac{3}{4}$	(19)	$1\frac{1}{2}$	(38)	$16\frac{3}{4}$	(425)	
H	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$10\frac{1}{2}$	(267)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$11\frac{1}{4}$	(285)	$26\frac{3}{4}$	(679)	
J	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$11\frac{1}{4}$	(285)	
K	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$9\frac{5}{8}$	(244)	$11\frac{1}{4}$	(285)	
L	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	11	(279)	$11\frac{1}{4}$	(285)	

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
N1	2	drawer sides	plywood	3/4 (19)	4 (102)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4 (19)	6 (152)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4 (19)	8 (203)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4 (19)	4 (102)	8 (203)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4 (19)	6 (152)	8 (203)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4 (19)	8 (203)	8 (203)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	3	bottoms	plywood	1/4 (6)	17 9/16 (446)	8 3/4 (222)	

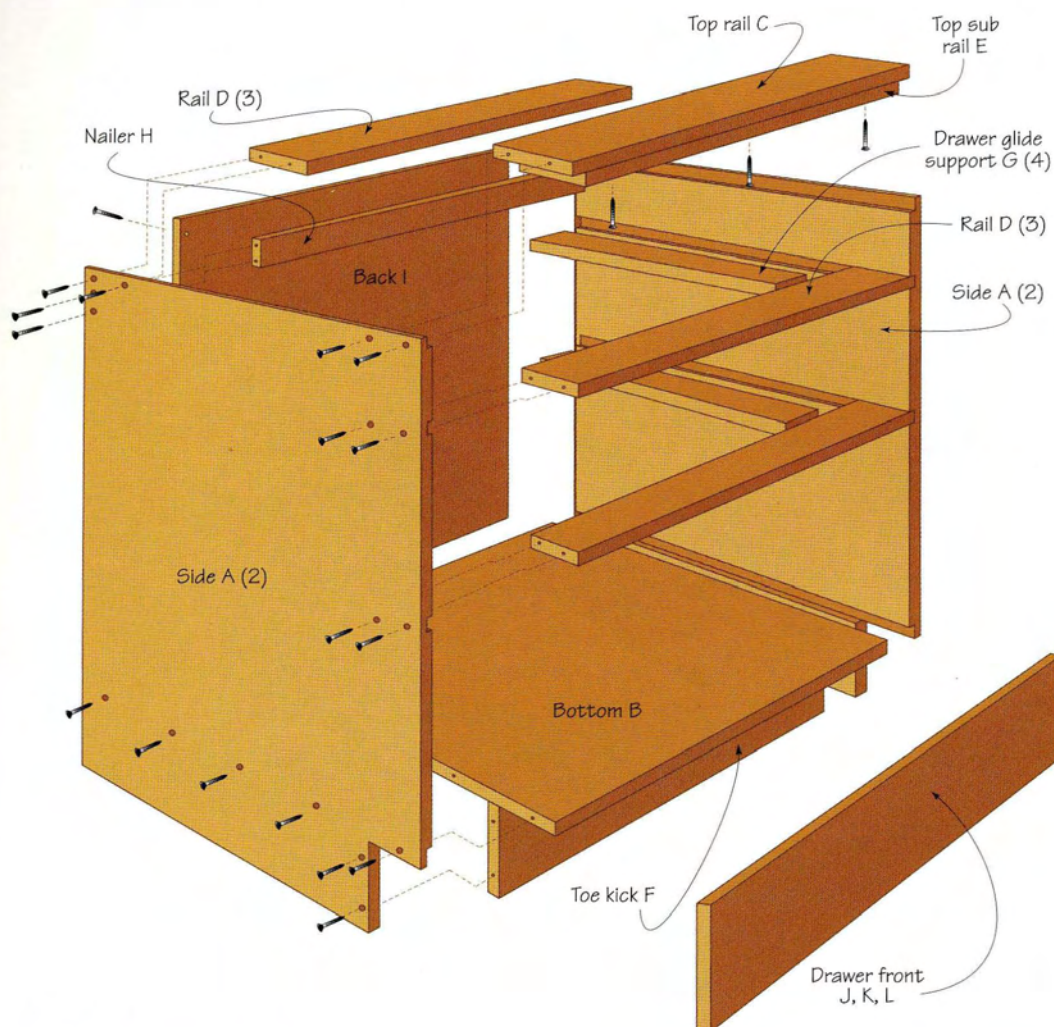
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDB15		

HARDWARE NEEDED:

- 3 sets 18" - full extension drawer slides
3 handles or pulls for the drawers

color

finish



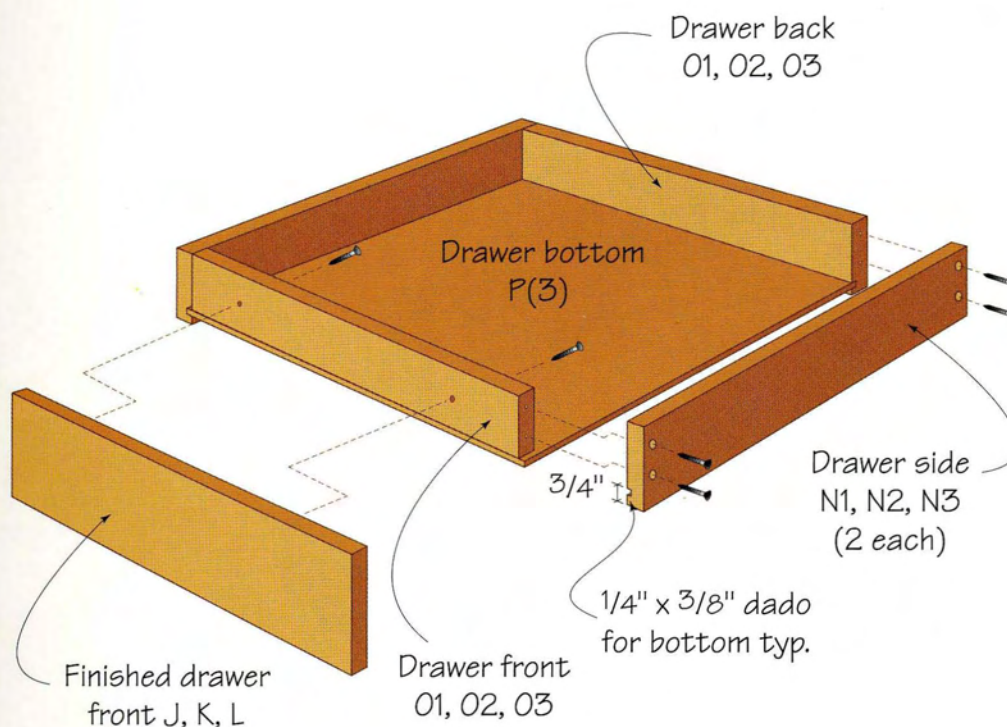
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$ (19)	20 (508)	$31\frac{1}{4}$ (794)	cut $\frac{1}{4} \times \frac{3}{8}$ dados for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$ (19)	20 (508)	$14\frac{1}{4}$ (362)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$ (19)	4 (102)	$14\frac{1}{4}$ (362)	
D	4	rails	plywood	$\frac{3}{4}$ (19)	3 (76)	$14\frac{1}{4}$ (362)	
E	1	top sub rail	plywood	$\frac{3}{4}$ (19)	3 (76)	$13\frac{1}{2}$ (343)	
F	1	toe kick	plywood	$\frac{3}{4}$ (19)	4 (102)	$13\frac{1}{2}$ (343)	
G	4	drawer glide supports	plywood	$\frac{3}{4}$ (19)	$1\frac{1}{2}$ (38)	$16\frac{3}{4}$ (425)	
H	1	nailer	plywood	$\frac{3}{4}$ (19)	3 (76)	$13\frac{1}{2}$ (343)	
I	1	back	plywood	$\frac{1}{4}$ (6)	$14\frac{1}{4}$ (362)	$26\frac{3}{4}$ (679)	
J	1	finished drawer front	plywood	$\frac{3}{4}$ (19)	$5\frac{1}{8}$ (130)	$14\frac{1}{4}$ (362)	
K	1	finished drawer front	plywood	$\frac{3}{4}$ (19)	$9\frac{5}{8}$ (244)	$14\frac{1}{4}$ (362)	
L	1	finished drawer front	plywood	$\frac{3}{4}$ (19)	11 (279)	$14\frac{1}{4}$ (362)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDB15		

color

finish



inches (millimeters)

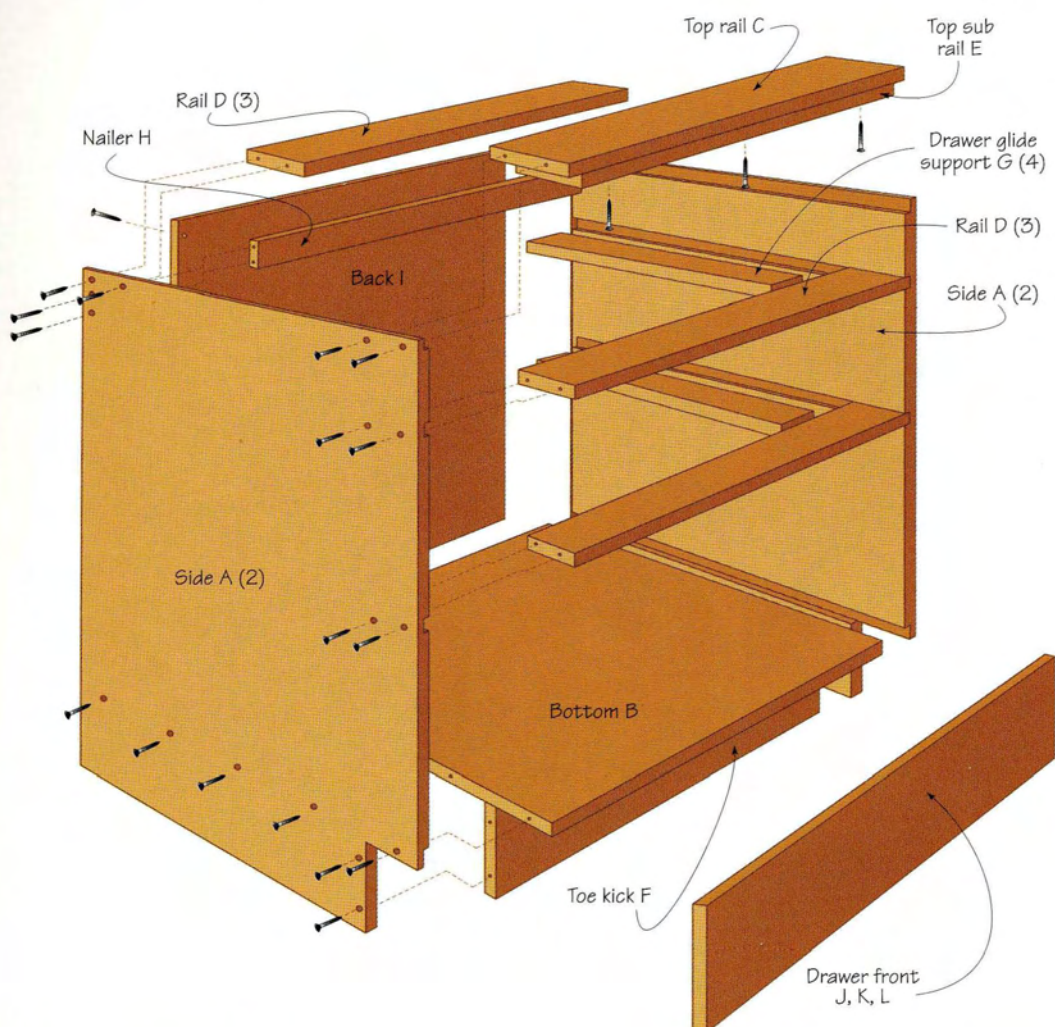
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
N1	2	drawer sides	plywood	3/4 (19)	4 (102)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4 (19)	6 (152)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4 (19)	8 (203)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4 (19)	4 (102)	11 (279)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4 (19)	6 (152)	11 (279)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4 (19)	8 (203)	11 (279)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	3	bottoms	plywood	1/4 (6)	17 9/16 (446)	11 3/4 (298)	

VDB18**HARDWARE NEEDED:**

3 sets 18" - full extension drawer slides
 3 handles or pulls for the drawers

color

finish

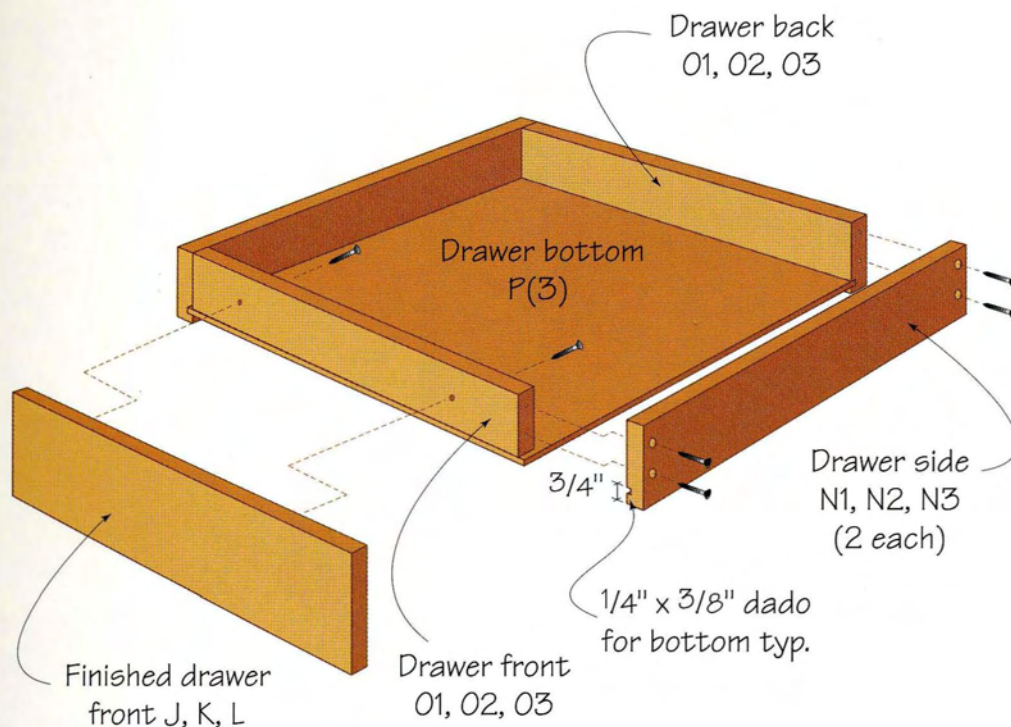
**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	20	(508)	$31\frac{1}{4}$	(794)	cut $\frac{1}{4}$ x $\frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	20	(508)	$17\frac{1}{4}$	(438)	cut $\frac{1}{4}$ x $\frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$	(19)	4	(102)	$17\frac{1}{4}$	(438)	
D	4	rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$17\frac{1}{4}$	(438)	
E	1	top sub rail	plywood	$\frac{3}{4}$	(19)	3	(76)	$16\frac{1}{2}$	(419)	
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$16\frac{1}{2}$	(419)	
G	4	drawer glide supports	plywood	$\frac{3}{4}$	(19)	$1\frac{1}{2}$	(38)	$16\frac{3}{4}$	(425)	
H	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$16\frac{1}{2}$	(419)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$17\frac{1}{4}$	(438)	$26\frac{3}{4}$	(679)	
J	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$17\frac{1}{4}$	(438)	
K	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$9\frac{5}{8}$	(244)	$17\frac{1}{4}$	(438)	
L	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	11	(279)	$17\frac{1}{4}$	(438)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDB18		

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
N1	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4	(19)	6	(152)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4	(19)	8	(203)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4	(19)	4	(102)	14	(356)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4	(19)	6	(152)	14	(356)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4	(19)	8	(203)	14	(356)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	3	bottoms	plywood	1/4	(6)	17 9/16	(446)	14 3/4	(375)	

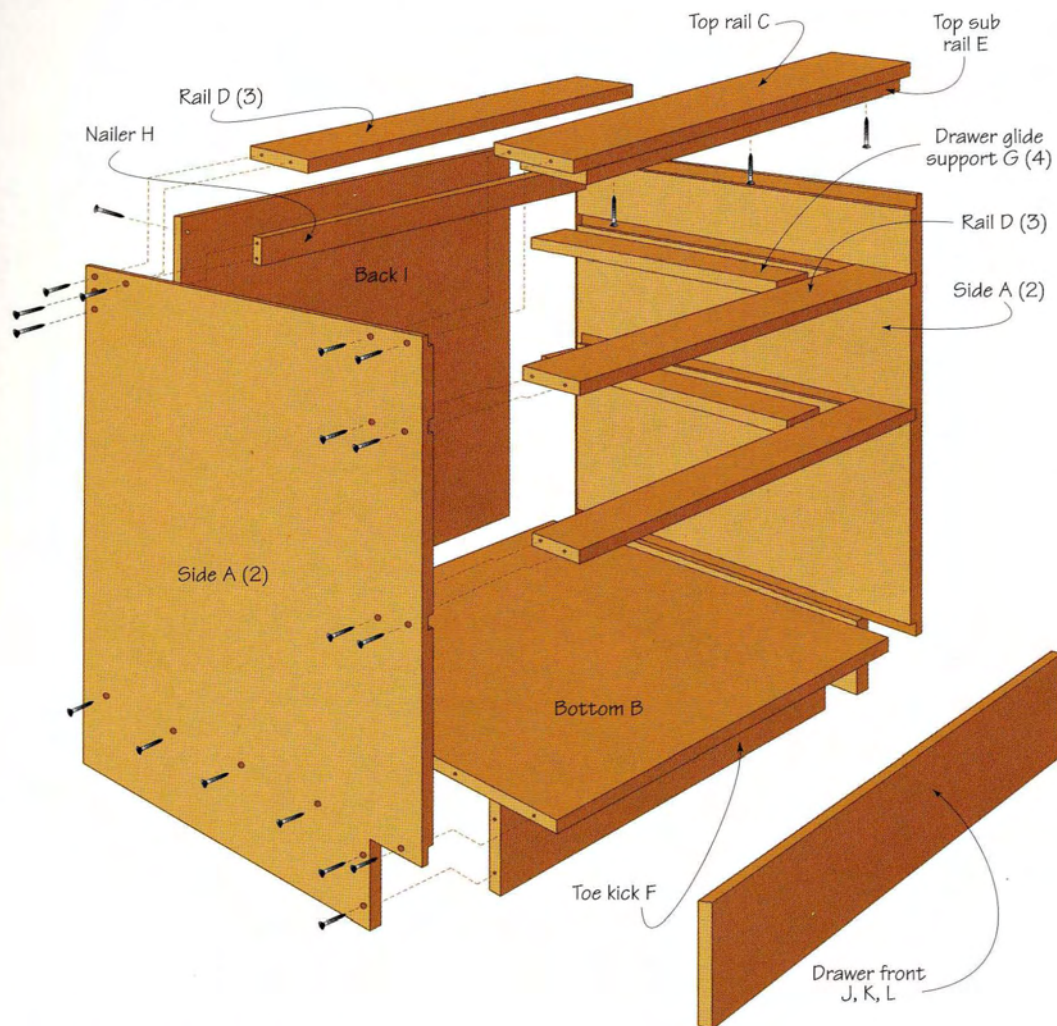
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDB21		

HARDWARE NEEDED:

- 3 sets 18" - full extension drawer slides
3 handles or pulls for the drawers

color

finish

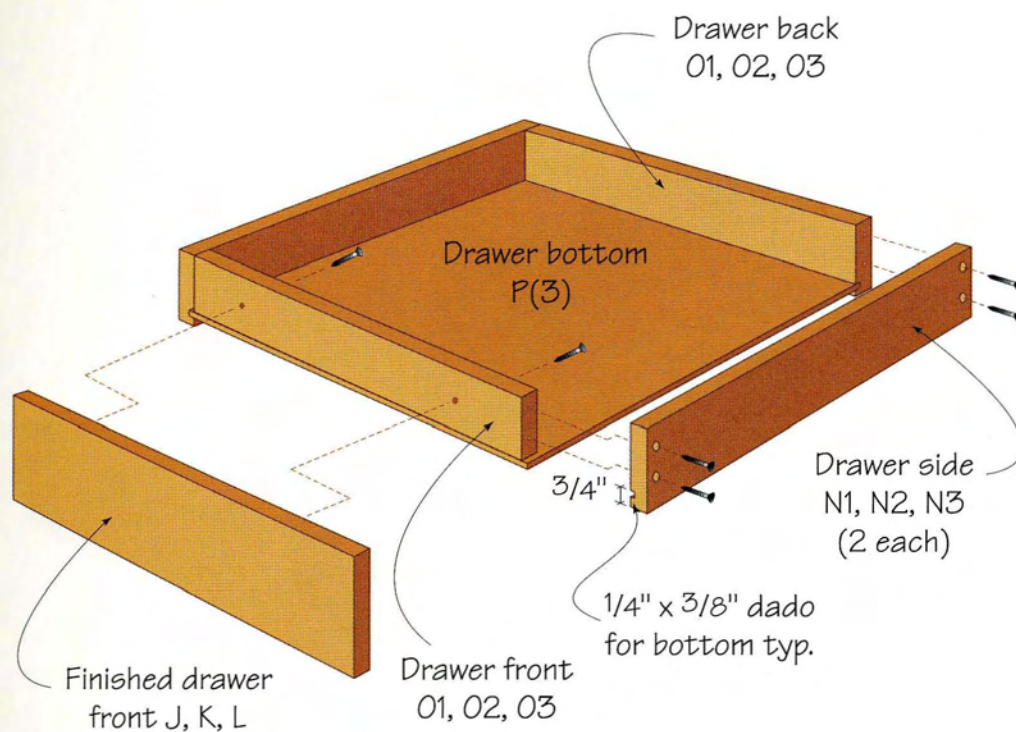


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	20	(508)	$31\frac{1}{4}$	(794)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	20	(508)	$20\frac{1}{4}$	(514)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$	(19)	4	(102)	$20\frac{1}{4}$	(514)	
D	4	rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$20\frac{1}{4}$	(514)	
E	1	top sub rail	plywood	$\frac{3}{4}$	(19)	3	(76)	$19\frac{1}{2}$	(496)	
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$19\frac{1}{2}$	(496)	
G	4	drawer glide supports	plywood	$\frac{3}{4}$	(19)	$1\frac{1}{2}$	(38)	$16\frac{3}{4}$	(425)	
H	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$19\frac{1}{2}$	(496)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$20\frac{1}{4}$	(514)	$26\frac{3}{4}$	(679)	
J	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$20\frac{1}{4}$	(514)	
K	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$9\frac{5}{8}$	(244)	$20\frac{1}{4}$	(514)	
L	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	11	(279)	$20\frac{1}{4}$	(514)	

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
N1	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4	(19)	6	(152)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4	(19)	8	(203)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4	(19)	4	(102)	17	(432)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4	(19)	6	(152)	17	(432)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4	(19)	8	(203)	17	(432)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	3	bottoms	plywood	1/4	(6)	17 9/16	(446)	17 3/4	(451)	

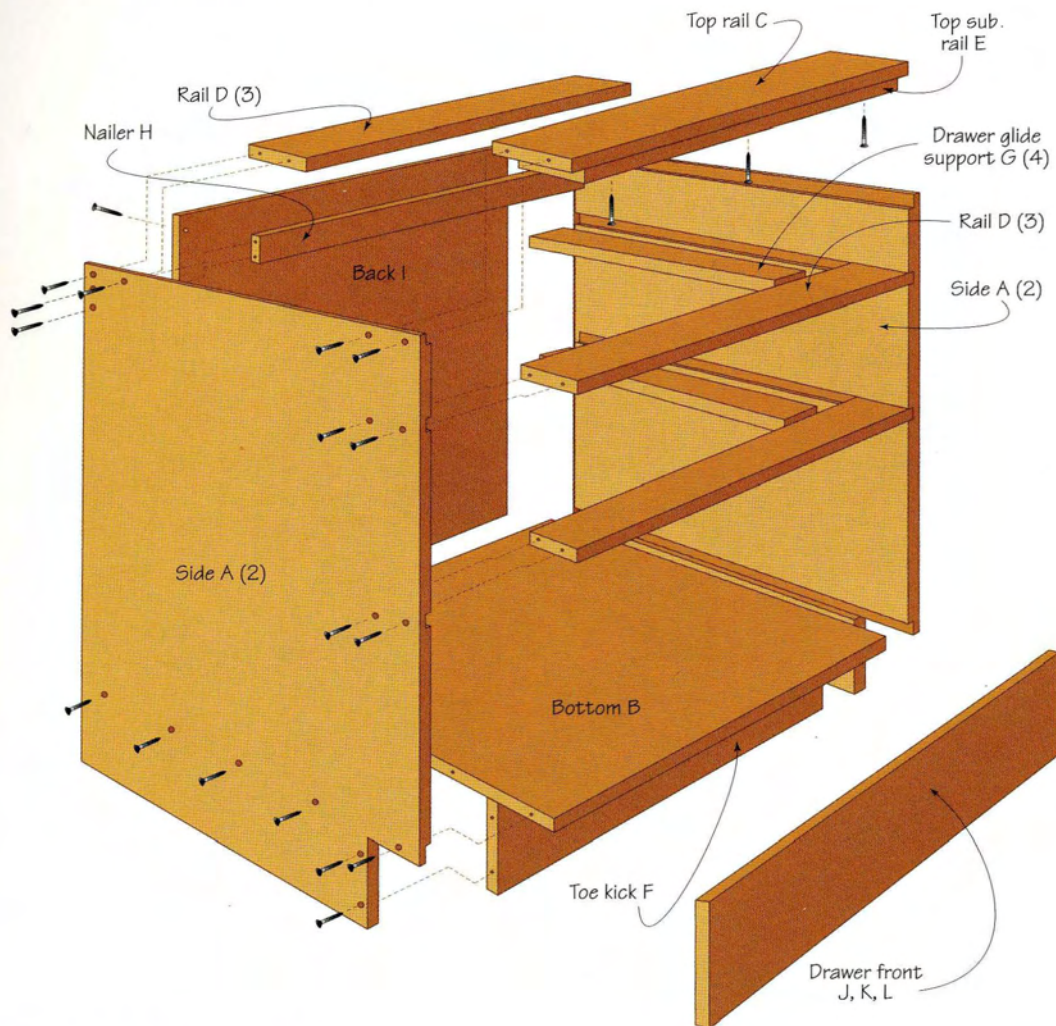
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDB24		

HARDWARE NEEDED:

- 3 sets 18" - full extension drawer slides
3 handles or pulls for the drawers

color

finish

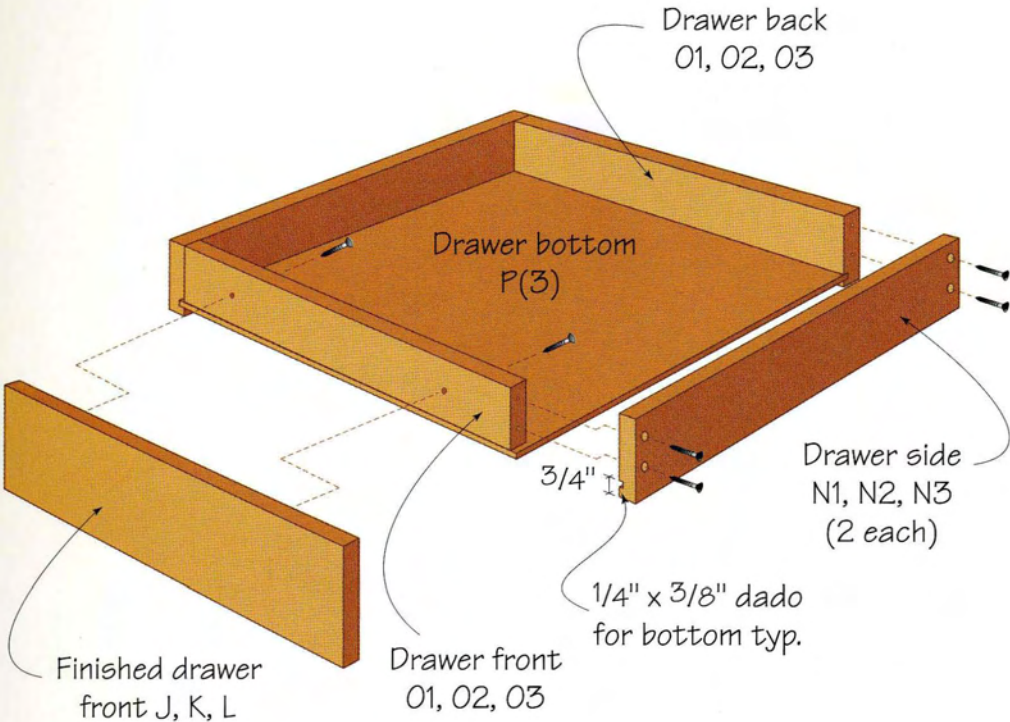


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	23 1/4	(590)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	23 1/4	(590)	
D	4	rails	plywood	3/4	(19)	3	(76)	23 1/4	(590)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	22 1/2	(572)	
G	4	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
I	1	back	plywood	1/4	(6)	23 1/4	(590)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	23 1/4	(590)	
K	1	finished drawer front	plywood	3/4	(19)	9 5/8	(244)	23 1/4	(590)	
L	1	finished drawer front	plywood	3/4	(19)	11	(279)	23 1/4	(590)	

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
N1	2	drawer sides	plywood	3/4 (19)	4 (102)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4 (19)	6 (152)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4 (19)	8 (203)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4 (19)	4 (102)	20 (508)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4 (19)	6 (152)	20 (508)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4 (19)	8 (203)	20 (508)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	3	bottoms	plywood	1/4 (6)	17 9/16 (446)	20 3/4 (527)	

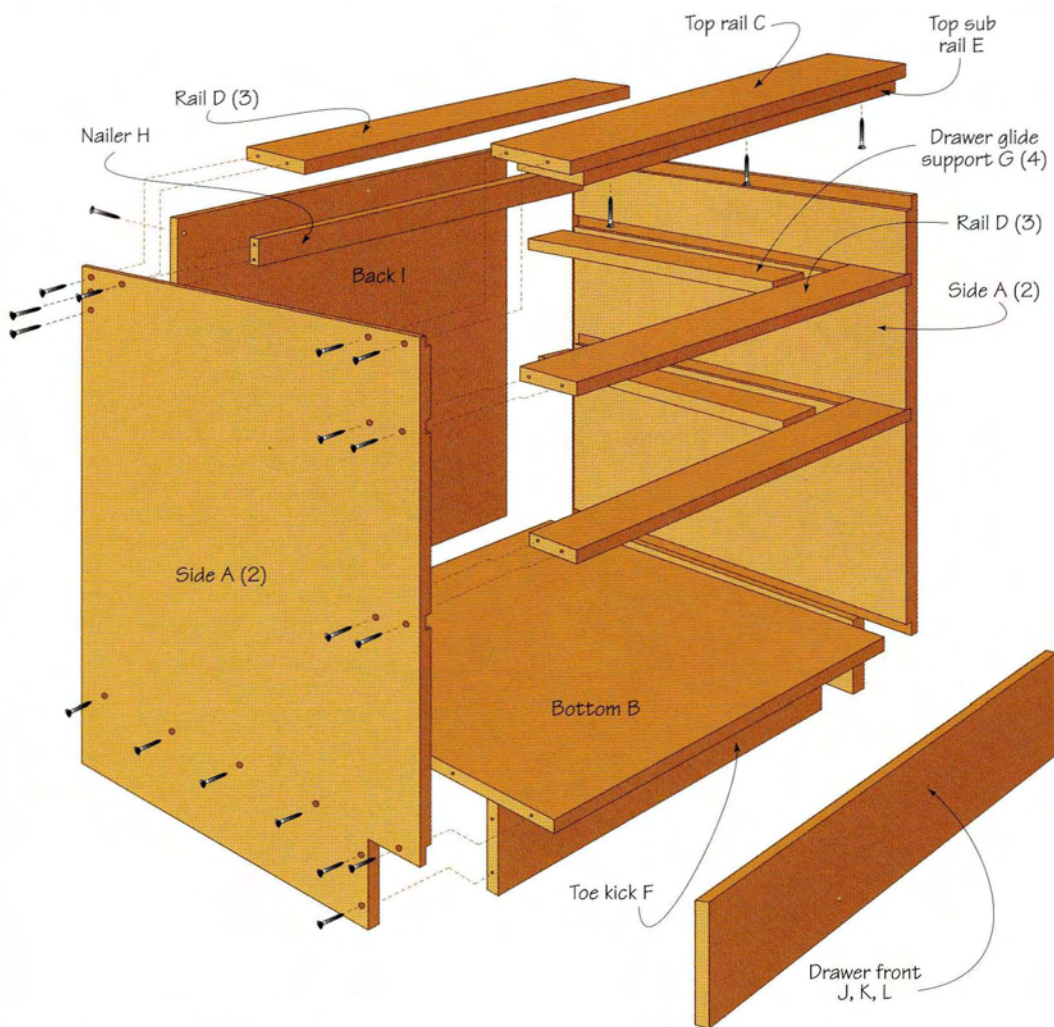
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDB27		

HARDWARE NEEDED:

3 sets 18"- full extension drawer slides
3 handles or pulls for the drawers

color

finish



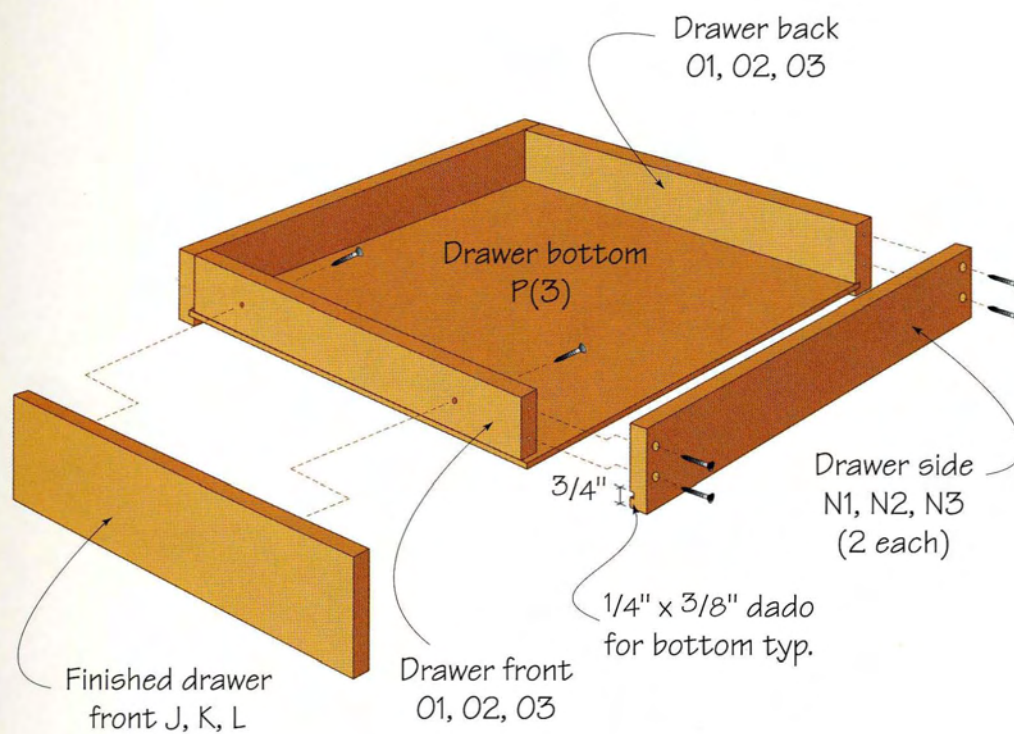
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	26 1/4	(666)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	26 1/4	(666)	
D	4	rails	plywood	3/4	(19)	3	(76)	26 1/4	(666)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	25 1/2	(648)	
G	4	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
I	1	back	plywood	1/4	(6)	26 1/4	(666)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	26 1/4	(666)	
K	1	finished drawer front	plywood	3/4	(19)	9 5/8	(244)	26 1/4	(666)	
L	1	finished drawer front	plywood	3/4	(19)	11	(279)	26 1/4	(666)	

VDB27

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
N1	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4	(19)	6	(152)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4	(19)	8	(203)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4	(19)	4	(102)	23	(584)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4	(19)	6	(152)	23	(584)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4	(19)	8	(203)	23	(584)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	3	bottoms	plywood	1/4	(6)	17 ⁹ / ₁₆	(446)	23 ³ / ₄	(603)	

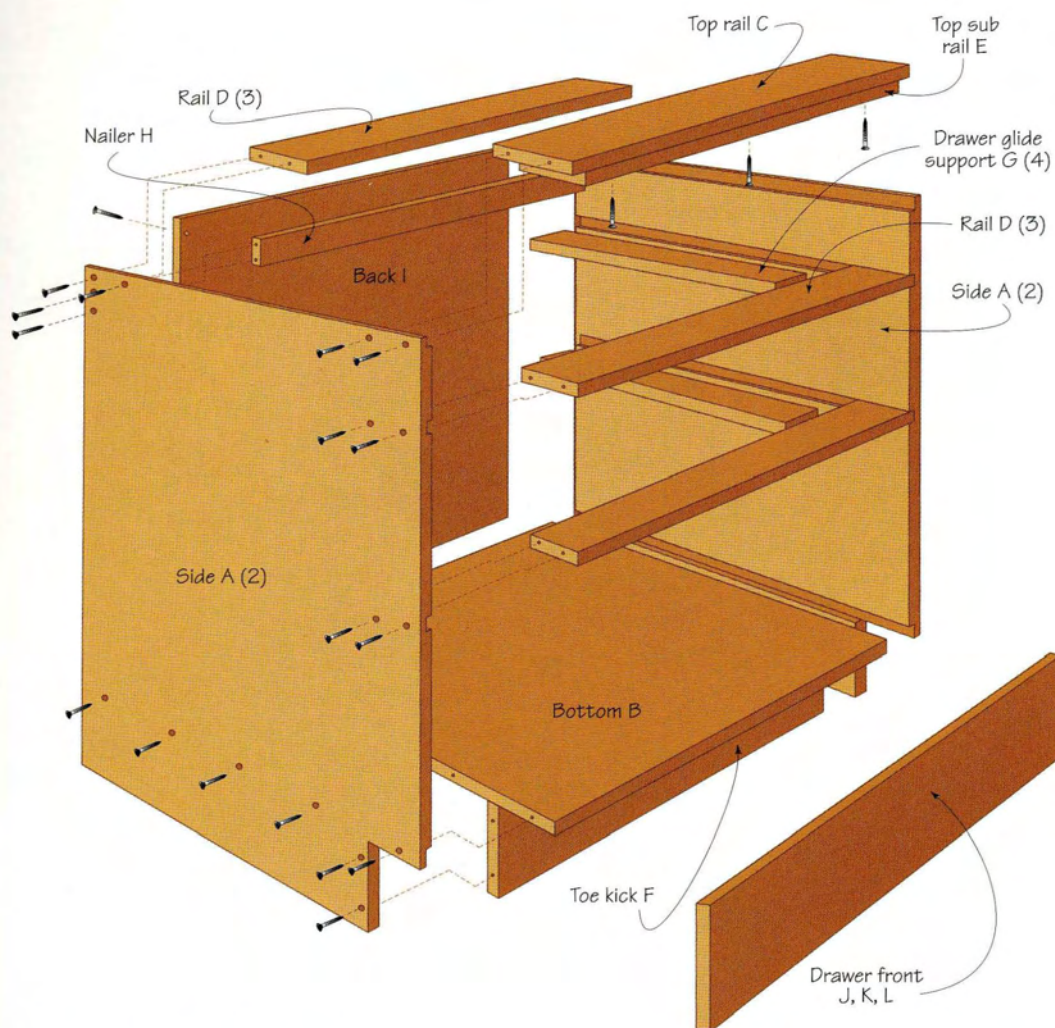
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDB30		

HARDWARE NEEDED:

3 sets 18" - full extension drawer slides
3 handles or pulls for the drawers

color

finish



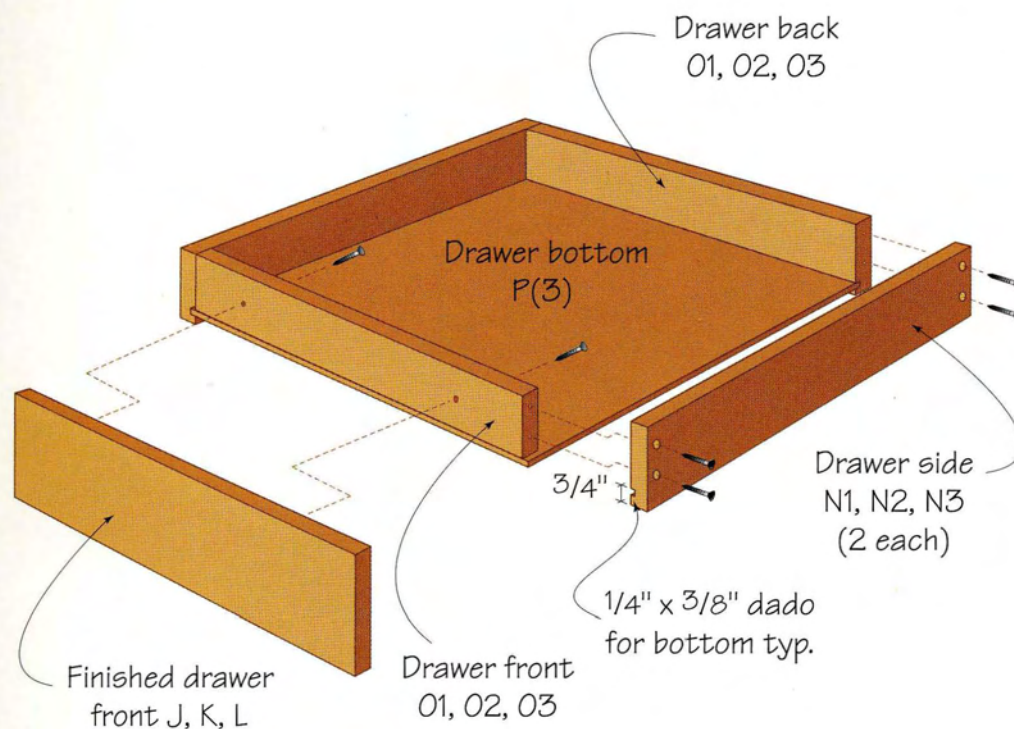
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	20	(508)	$31\frac{1}{4}$	(794)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	20	(508)	$29\frac{1}{4}$	(743)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	top rail	plywood	$\frac{3}{4}$	(19)	4	(102)	$29\frac{1}{4}$	(743)	
D	4	rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$29\frac{1}{4}$	(743)	
E	1	top sub rail	plywood	$\frac{3}{4}$	(19)	3	(76)	$28\frac{1}{2}$	(724)	
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$28\frac{1}{2}$	(724)	
G	4	drawer glide supports	plywood	$\frac{3}{4}$	(19)	$1\frac{1}{2}$	(38)	$16\frac{3}{4}$	(425)	
H	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$28\frac{1}{2}$	(724)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$29\frac{1}{4}$	(743)	$26\frac{3}{4}$	(679)	
J	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$29\frac{1}{4}$	(743)	
K	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$9\frac{5}{8}$	(244)	$29\frac{1}{4}$	(743)	
L	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	11	(279)	$29\frac{1}{4}$	(743)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDB30		

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
N1	2	drawer sides	plywood	3/4 (19)	4 (102)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4 (19)	6 (152)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4 (19)	8 (203)	18 (457)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4 (19)	4 (102)	26 (660)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O2	2	drawer front and back	plywood	3/4 (19)	6 (152)	26 (660)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4 (19)	8 (203)	26 (660)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	3	bottoms	plywood	1/4 (6)	17 9/16 (446)	26 3/4 (679)	

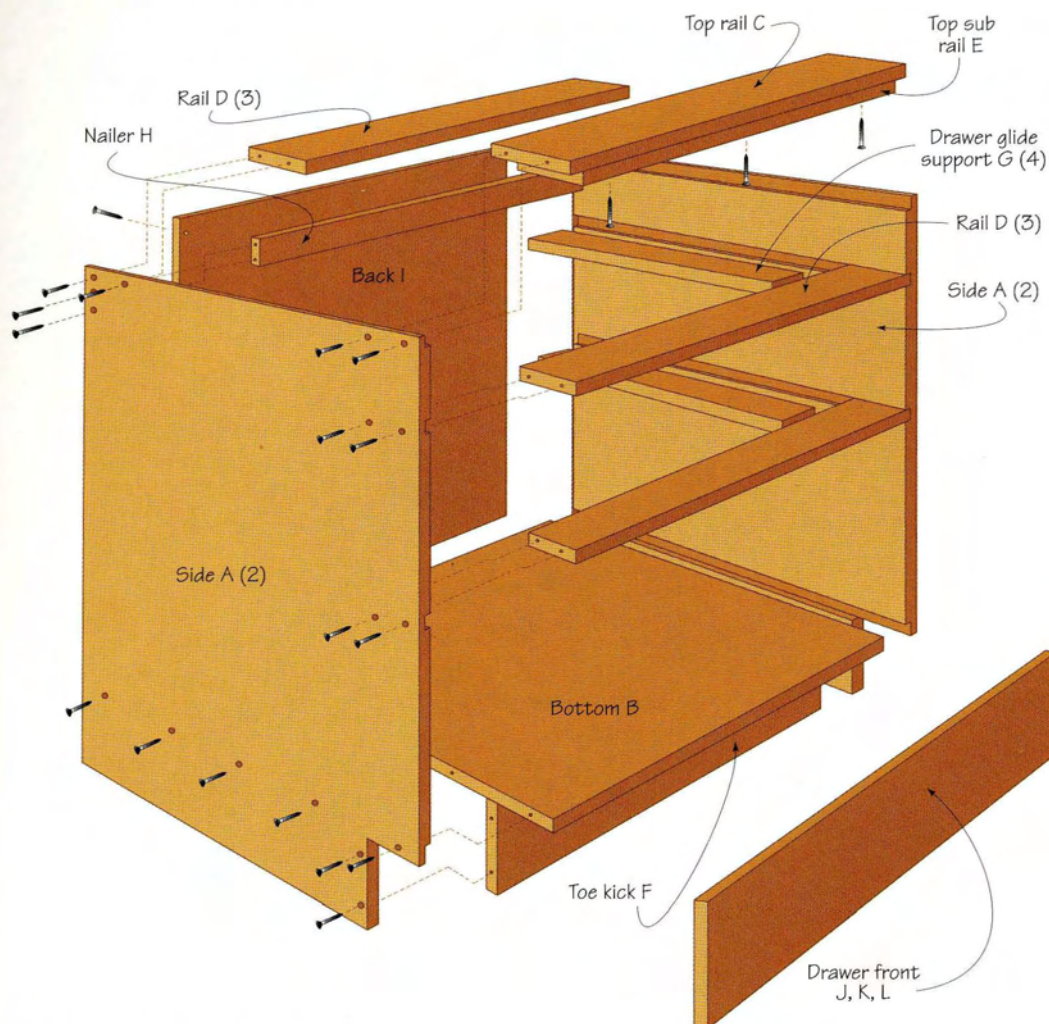
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDBWX		

HARDWARE NEEDED:

- 3 sets 18" - full extension drawer slides
3 handles or pulls for the drawers

color

finish



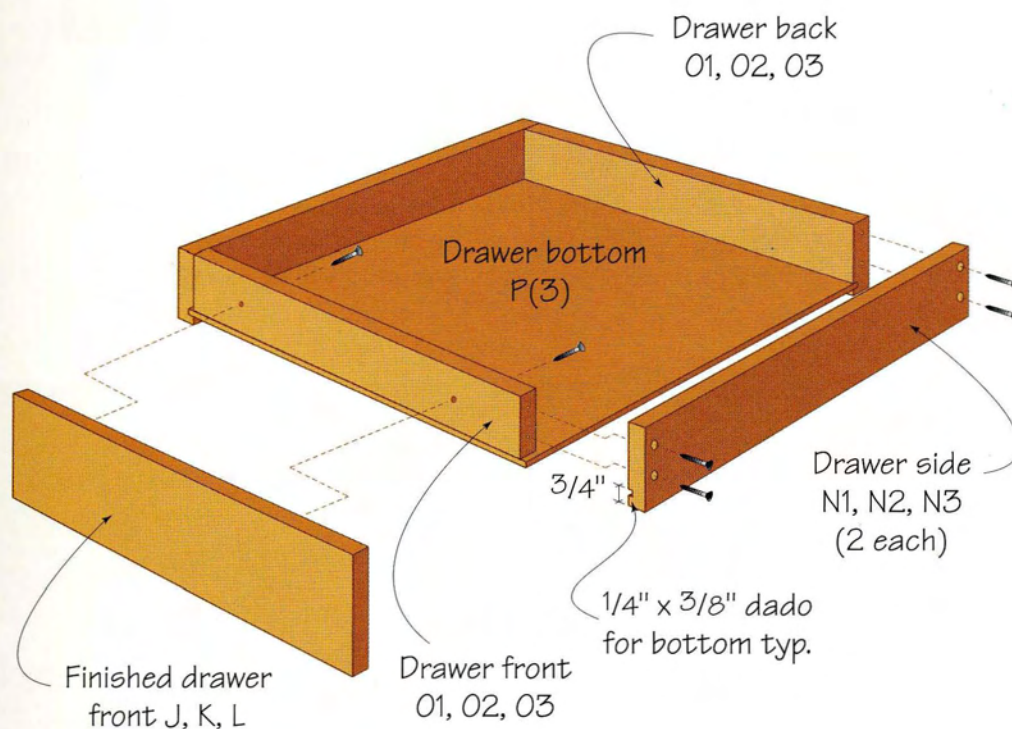
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	WX-3/4	(-19)	WX = width of cabinet, cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	WX-3/4	(-19)	
D	4	rails	plywood	3/4	(19)	3	(76)	WX-3/4	(-19)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	WX-1 1/2	(-38)	
G	4	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	16 3/4	(425)	
H	1	nailer	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
I	1	back	plywood	1/4	(6)	WX-3/4	(-19)	26 3/4	(679)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	WX-3/4	(-19)	
K	1	finished drawer front	plywood	3/4	(19)	9 5/8	(244)	WX-3/4	(-19)	
L	1	finished drawer front	plywood	3/4	(19)	11	(279)	WX-3/4	(-19)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VDBWX		

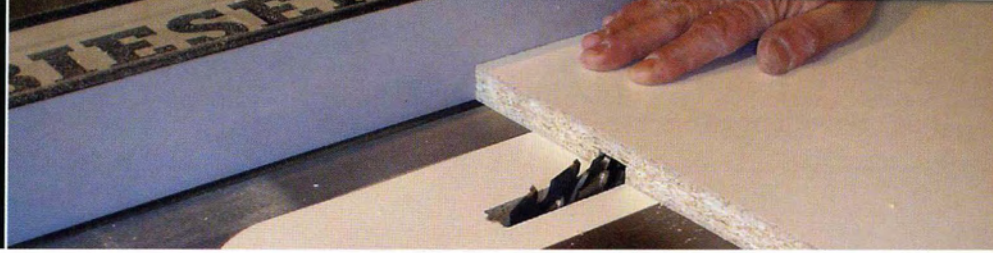
color

finish

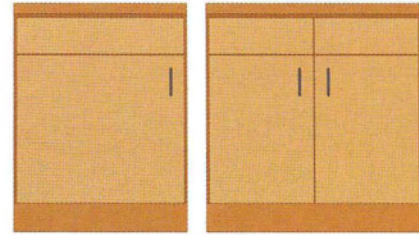


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
N1	2	drawer sides	plywood	3/4	(19)	4	(102)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N2	2	drawer sides	plywood	3/4	(19)	6	(152)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
N3	2	drawer sides	plywood	3/4	(19)	8	(203)	18	(457)	cut 1/4 x 3/8 dadoes for drawer bottoms
O1	2	drawer front and back	plywood	3/4	(19)	4	(102)	W-4	(-102)	W = width of cabinet, cut 1/4 x 3/8 dadoes for drawer bottom
O2	2	drawer front and back	plywood	3/4	(19)	6	(152)	W-4	(-102)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
O3	2	drawer front and back	plywood	3/4	(19)	8	(203)	W-4	(-102)	cut 1/4 x 3/8 dadoes for drawer bottoms, cut 3/4 off the front width
P	3	bottoms	plywood	1/4	(6)	17 ⁹ / ₁₆	(446)	w-3 ¹ / ₄	(-83)	

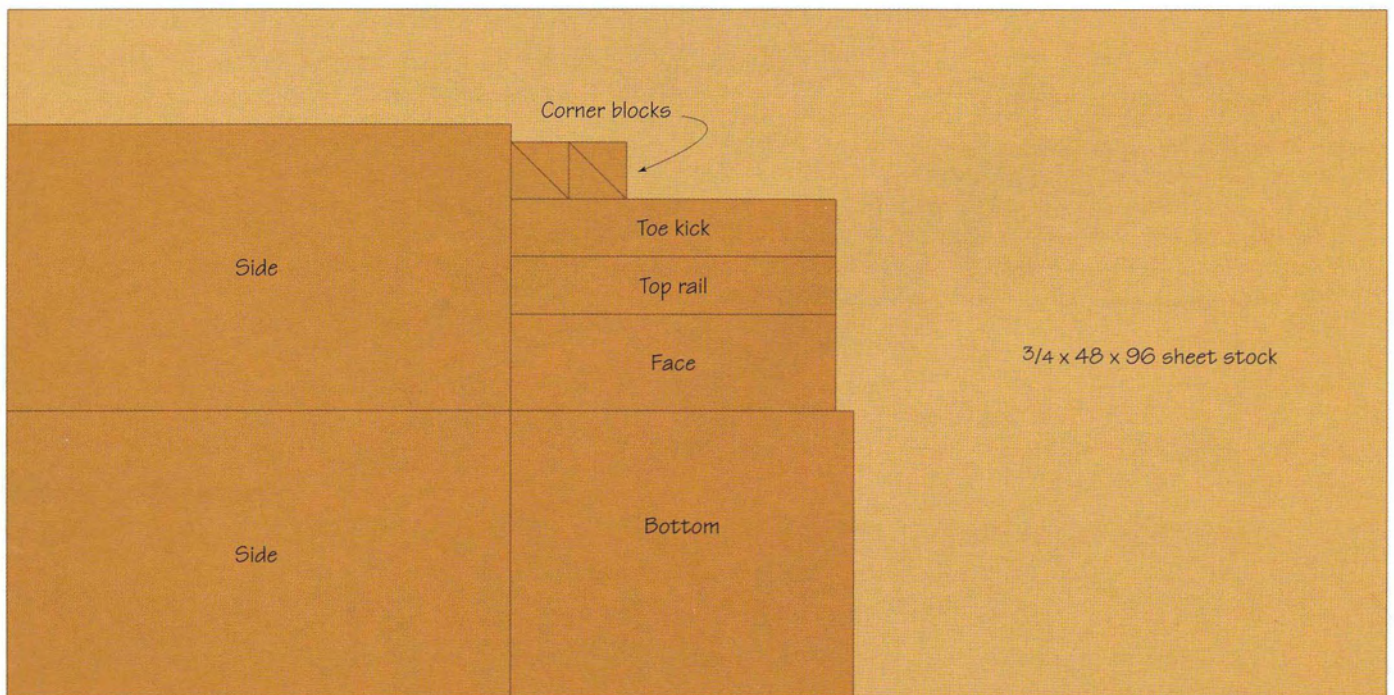


vanity sink base cabinets

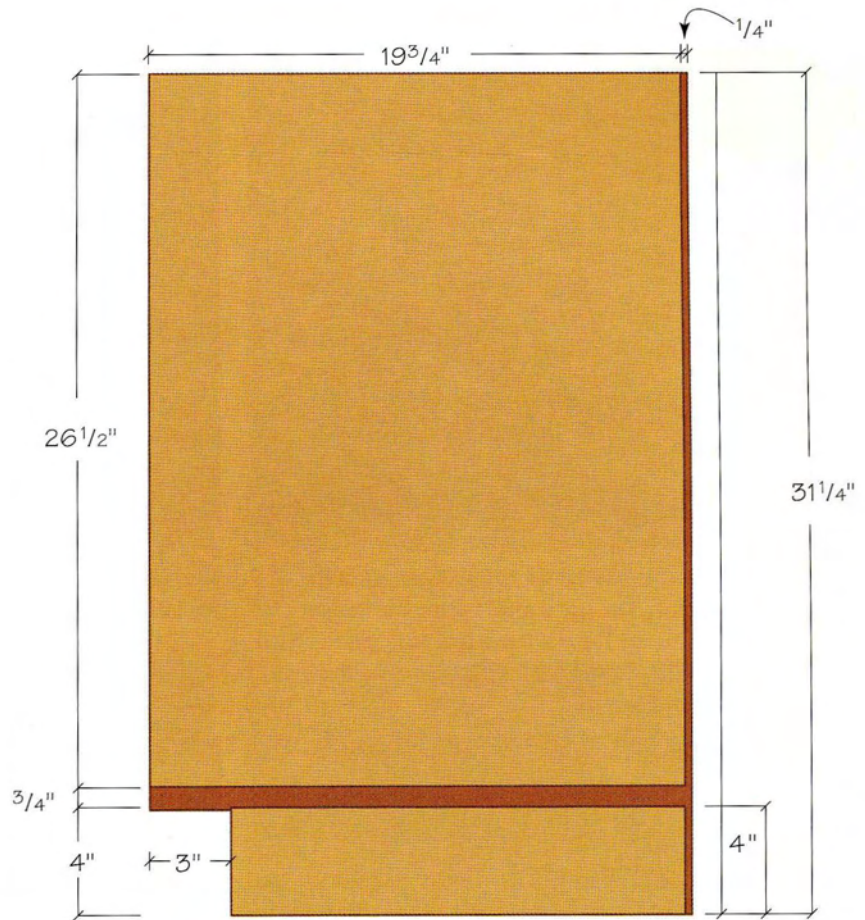


OPTIMIZATION OF PARTS

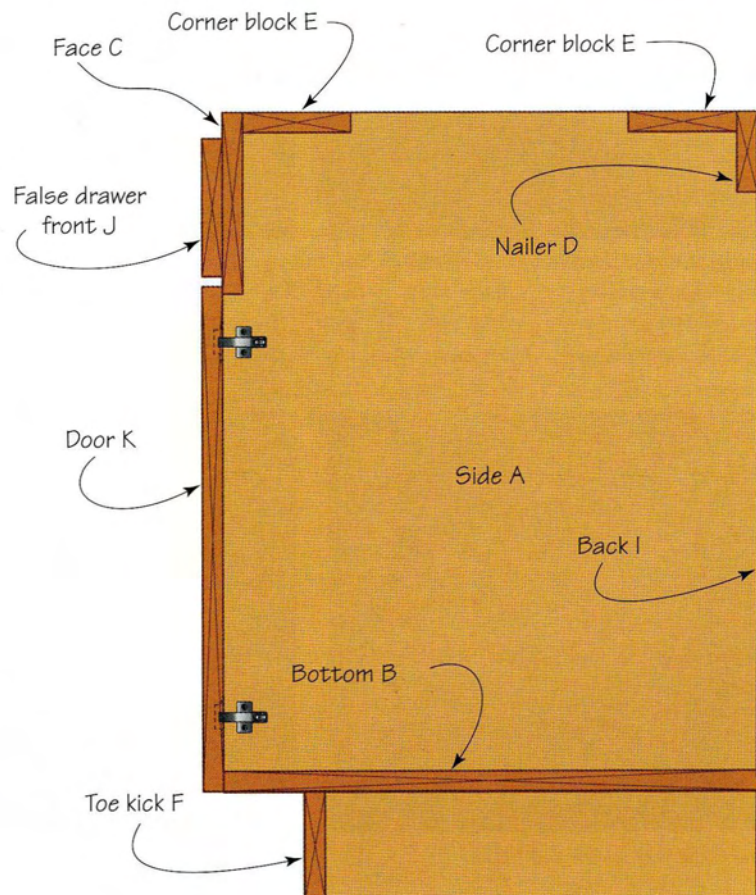
This optimization drawing is for a 24"-wide vanity sink base cabinet. The layout of the parts will be similar for all sizes of vanity sink base cabinets. Widths of some parts will be increased.

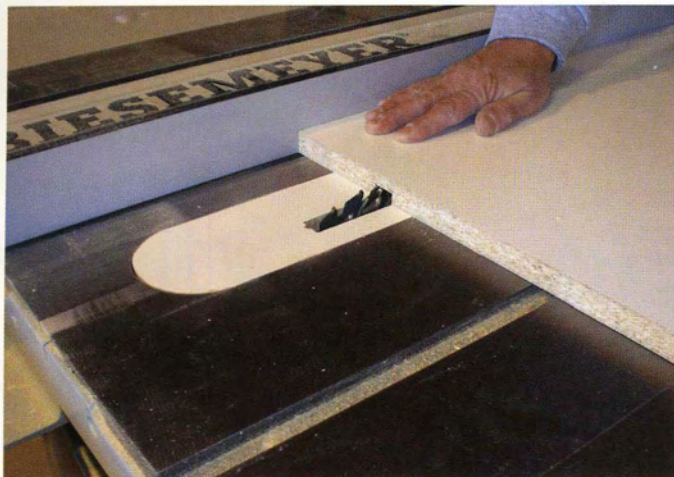


DADO LAYOUT

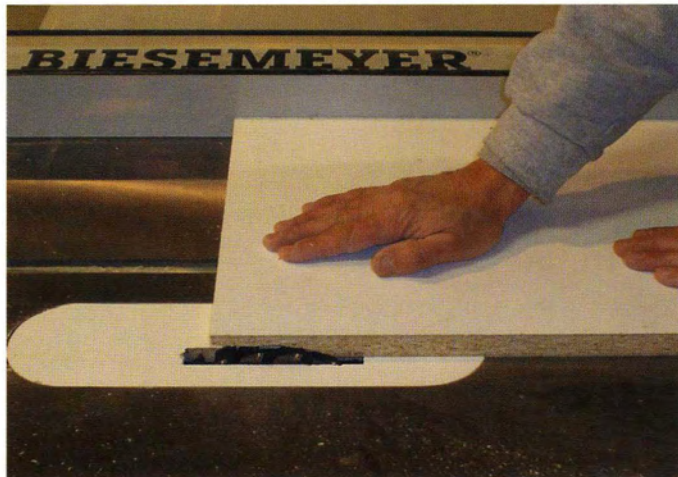


SIDE SECTIONAL

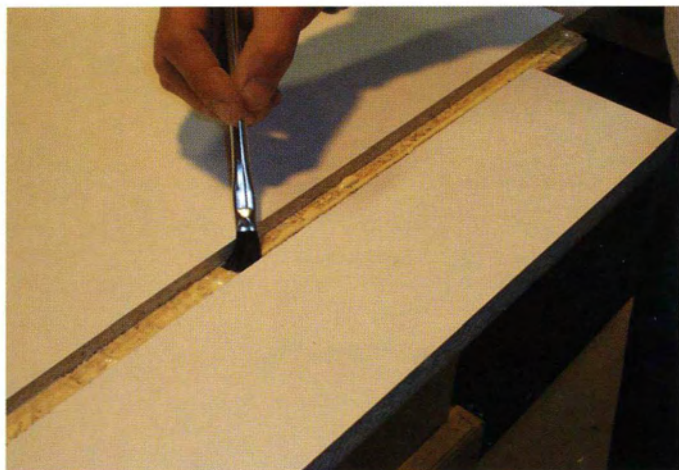




1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router setup on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to 4" and cut the dado for the bottom panel first. See the illustration for layout details.



2 Reset the fence to $19\frac{3}{4}$ " and cut the rabbets for the back panel. Then, make right and left pairs of the cabinet sides and cut the toe kick notches. See "Cutting Toe Kick Notches" on page 8.



3 Run a bead of glue in the dado for the bottom panel and spread the glue around with a brush.



4 Stand the side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



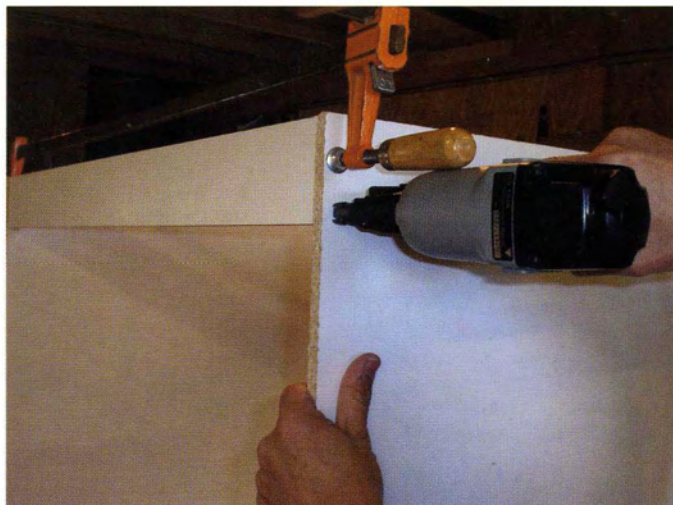
5 Attach the left side the same way as the right side.



6 Attach the toe kick between the sides.



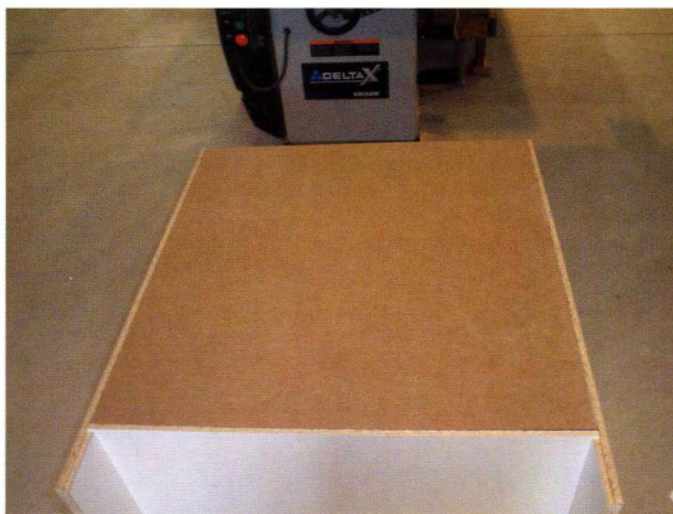
7 Stand the cabinet up, then install the face using glue and staples or screws. Use a bar clamp to hold the sides tight to the face.



8 Attach the nailer at the back of the cabinet.



9 Secure the corner blocks with staples or screws.



10 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



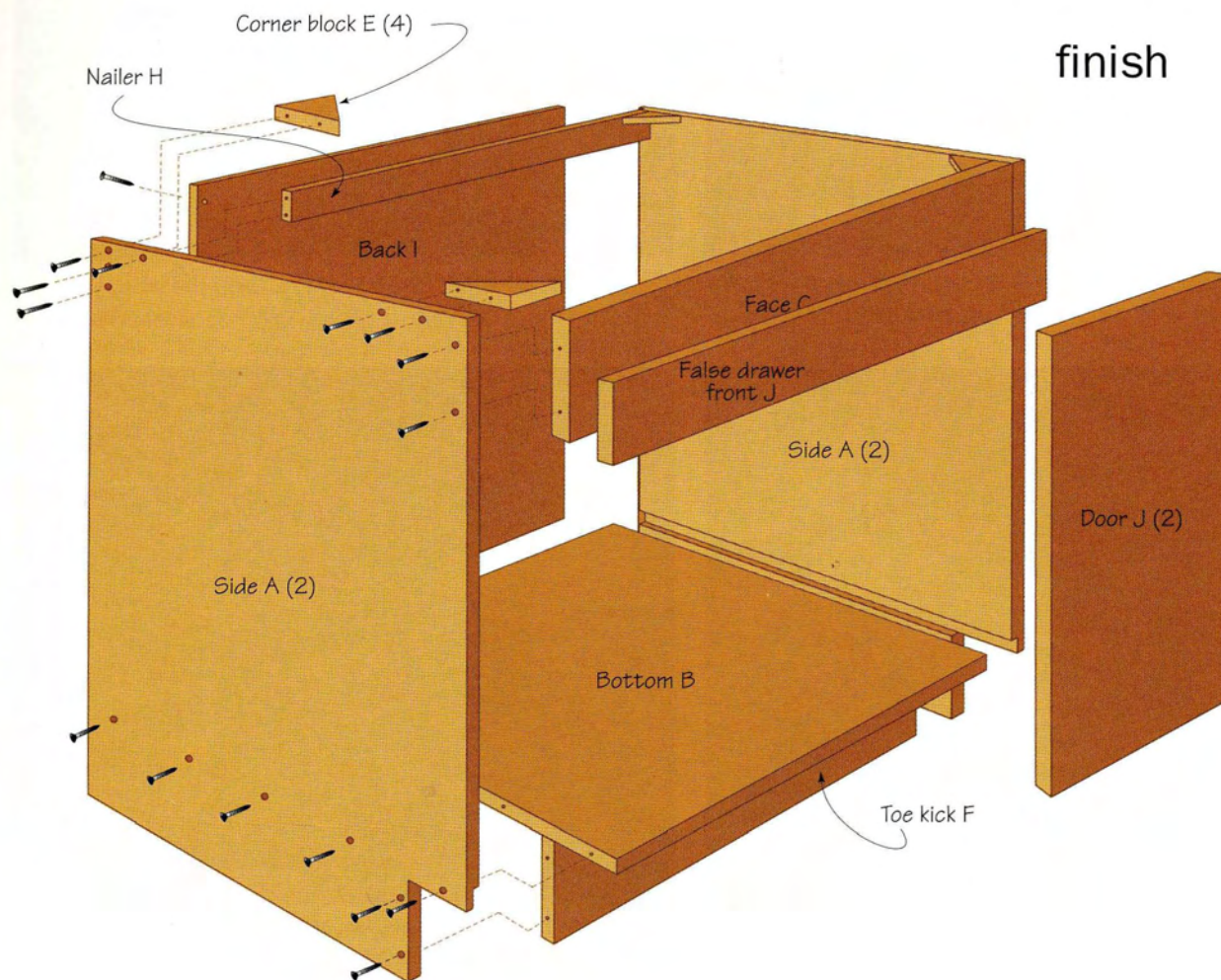
11 Add glue to the rabbets and set the back panel in place. Be sure to check for squareness of the cabinet, then attach the back.

VS24**HARDWARE NEEDED:**

- 4 95°- opening European hinges
2 handles or pulls for the doors

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	20 (508)	31 1/4 (794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4 (19)	20 (508)	23 1/4 (590)	cut 1/4 x 3/8 dado on top back edge
C	1	face	plywood	3/4 (19)	6 3/4 (171)	22 1/2 (572)	
D	1	nailer	plywood	3/4 (19)	3 (76)	22 1/2 (572)	
E	4	corner blocks	plywood	3/4 (19)	4 (102)	4 (102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	3/4 (19)	4 (102)	22 1/2 (572)	
I	1	back	plywood	1/4 (6)	23 1/4 (590)	26 3/4 (679)	
J	1	false drawer front	plywood	3/4 (19)	5 1/8 (130)	23 1/4 (590)	
K	2	doors	plywood	3/4 (19)	11 9/16 (293)	20 3/4 (527)	

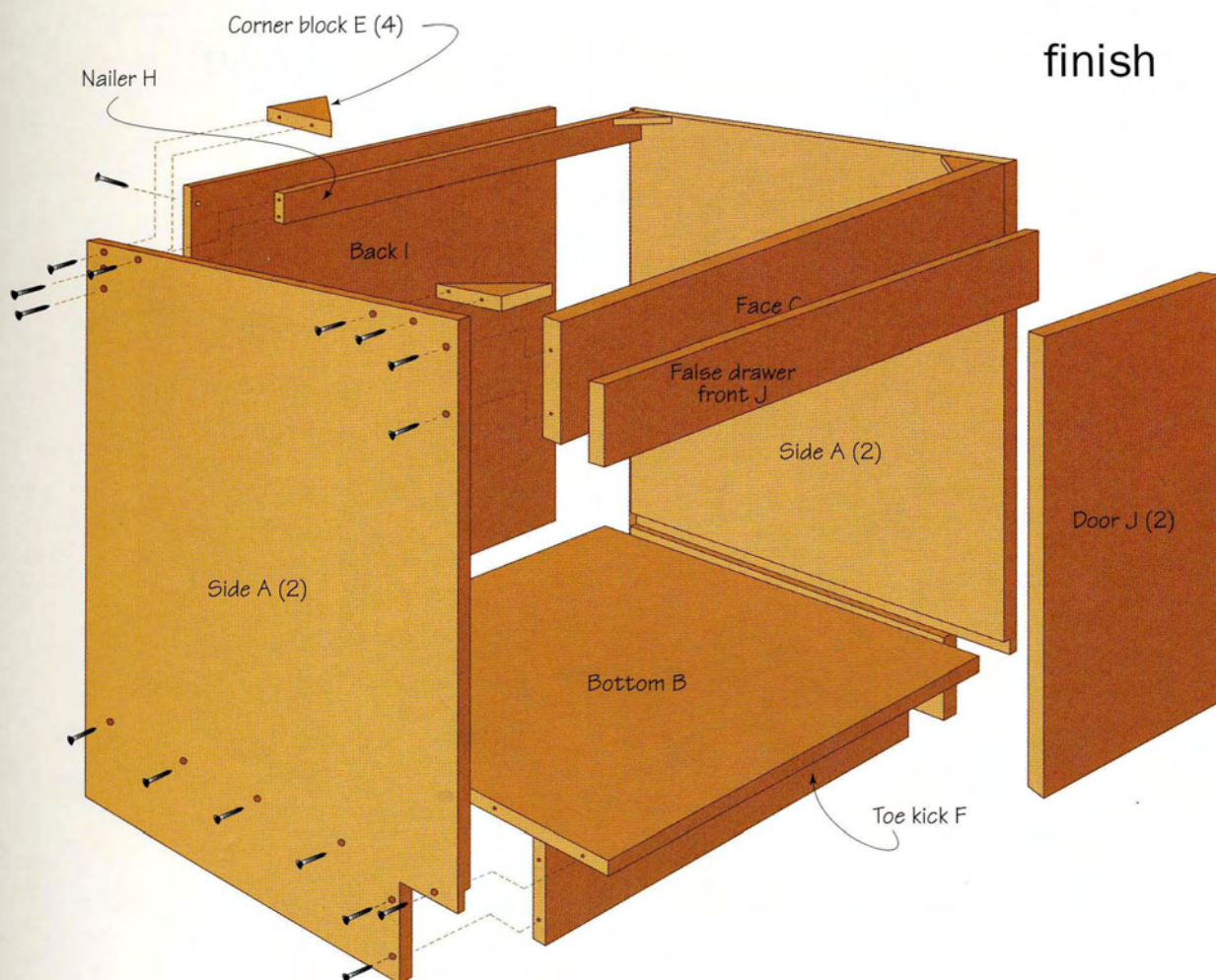
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	VSB27		

HARDWARE NEEDED:

- 4 95°- opening European hinges
2 handles or pulls for the doors

color

finish



inches (millimeters)

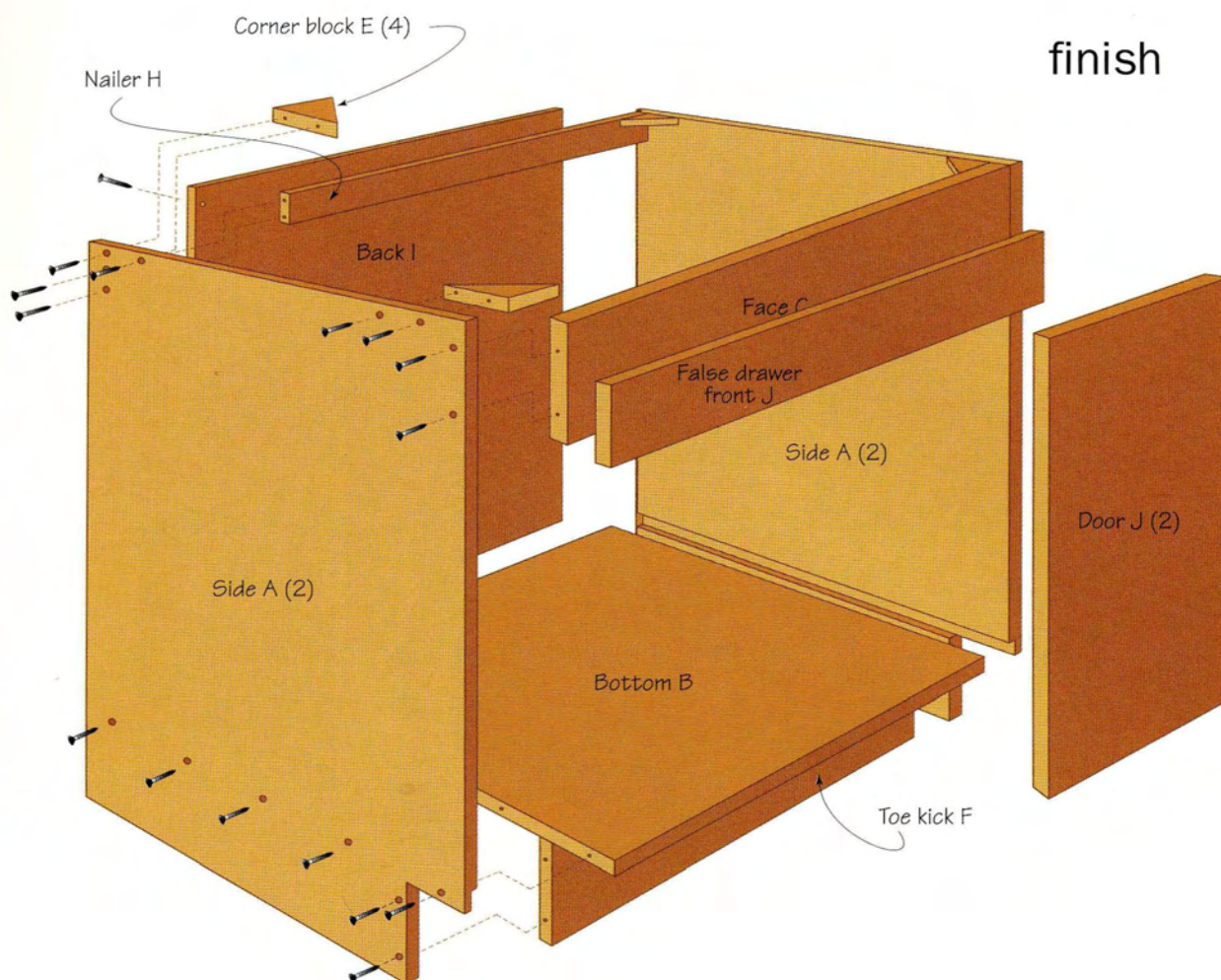
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	26 1/4	(666)	cut 1/4 x 3/8 dado on top back edge
C	1	face	plywood	3/4	(19)	6 3/4	(171)	25 1/2	(648)	
D	1	nailer	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
E	4	corner blocks	plywood	3/4	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	3/4	(19)	4	(102)	25 1/2	(648)	
I	1	back	plywood	1/4	(6)	26 1/4	(666)	26 3/4	(679)	
J	1	false drawer front	plywood	3/4	(19)	5 1/8	(130)	26 1/4	(666)	
K	2	doors	plywood	3/4	(19)	13 1/16	(332)	20 3/4	(527)	

VSB30**HARDWARE NEEDED:**

- 4 95°- opening European hinges
2 handles or pulls for the doors

color

finish

**inches (millimeters)**

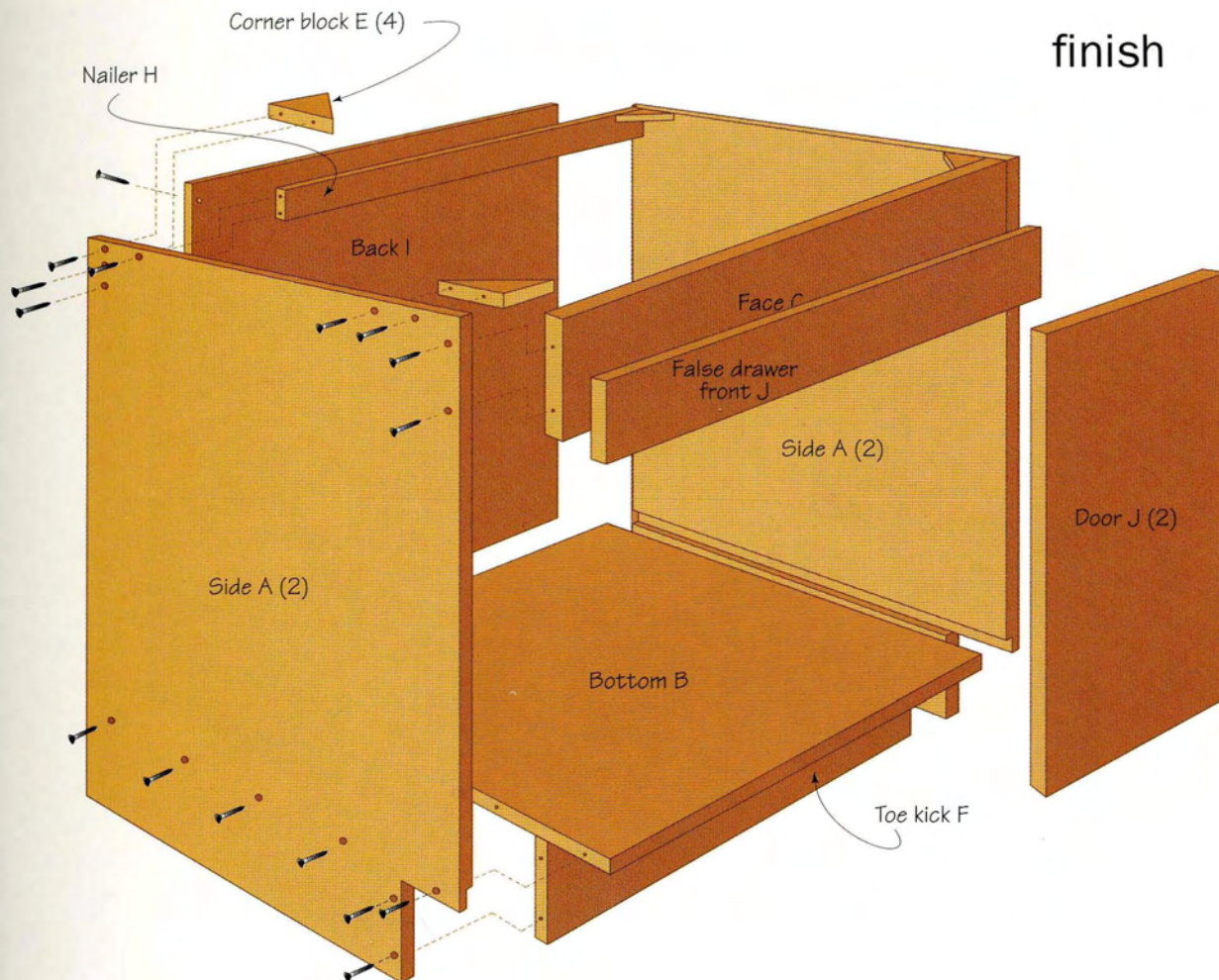
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	20	(508)	$31\frac{1}{4}$	(794)	cut $\frac{1}{4} \times \frac{3}{8}$ dados for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	20	(508)	$29\frac{1}{4}$	(743)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	face	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{4}$	(171)	$28\frac{1}{2}$	(724)	
D	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$28\frac{1}{2}$	(724)	
E	4	corner blocks	plywood	$\frac{3}{4}$	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$28\frac{1}{2}$	(724)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$29\frac{1}{4}$	(743)	$26\frac{3}{4}$	(679)	
J	1	false drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$29\frac{1}{4}$	(743)	
K	2	doors	plywood	$\frac{3}{4}$	(19)	$14\frac{9}{16}$	(370)	$20\frac{3}{4}$	(527)	

VSB33**HARDWARE NEEDED:**

- 4 95°- opening European hinges
2 handles or pulls for the doors

color

finish

**inches (millimeters)**

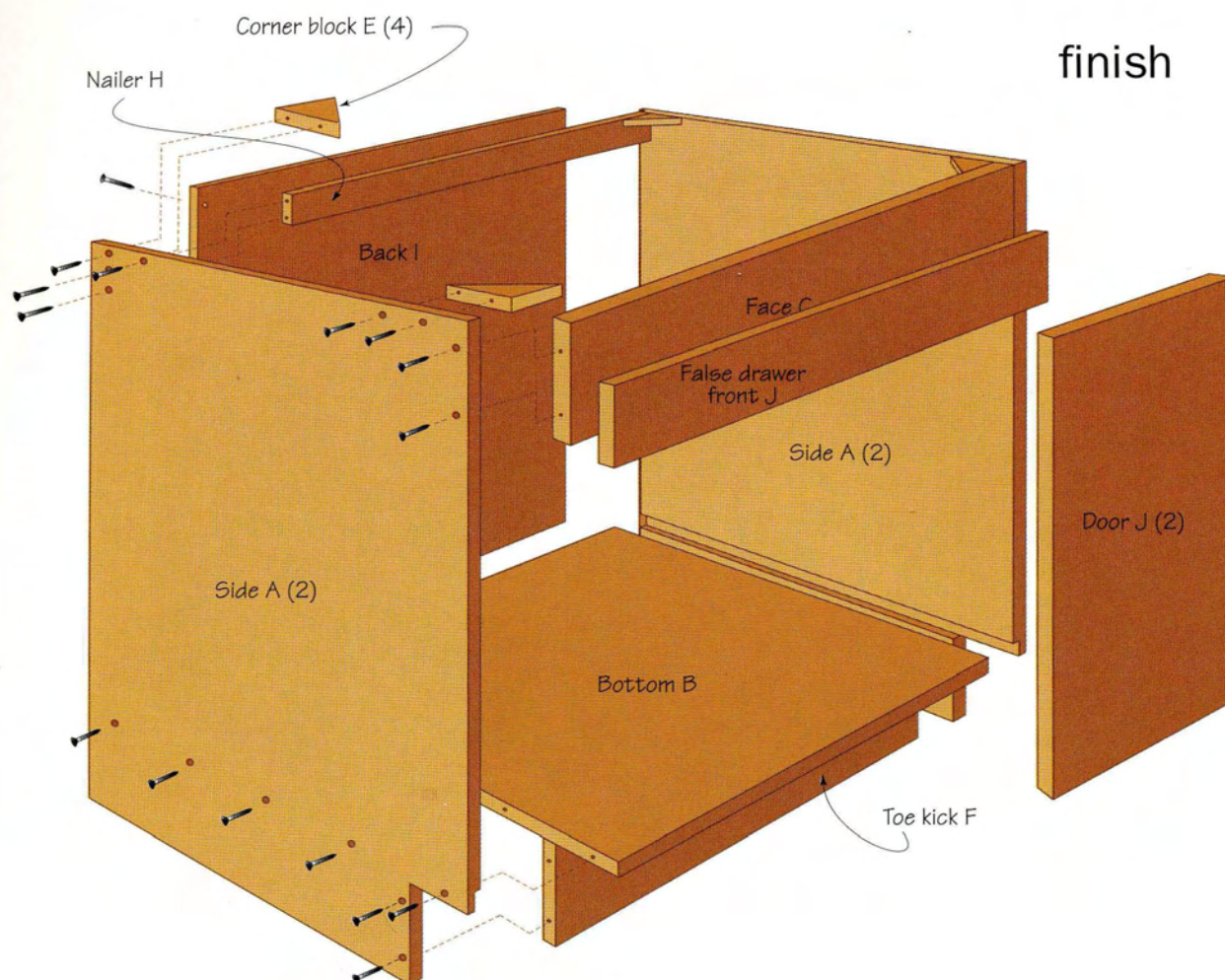
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	32 1/4	(819)	cut 1/4 x 3/8 dado on top back edge
C	1	face	plywood	3/4	(19)	6 3/4	(171)	31 1/2	(800)	
D	1	nailer	plywood	3/4	(19)	3	(76)	31 1/2	(800)	
E	4	corner blocks	plywood	3/4	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	3/4	(19)	4	(102)	31 1/2	(800)	
I	1	back	plywood	1/4	(6)	32 1/4	(819)	26 3/4	(679)	
J	1	false drawer front	plywood	3/4	(19)	5 1/8	(130)	32 1/4	(819)	
K	2	doors	plywood	3/4	(19)	16 1/16	(408)	20 3/4	(527)	

VSB36**HARDWARE NEEDED:**

- 4 95°- opening European hinges
2 handles or pulls for the doors

color

finish

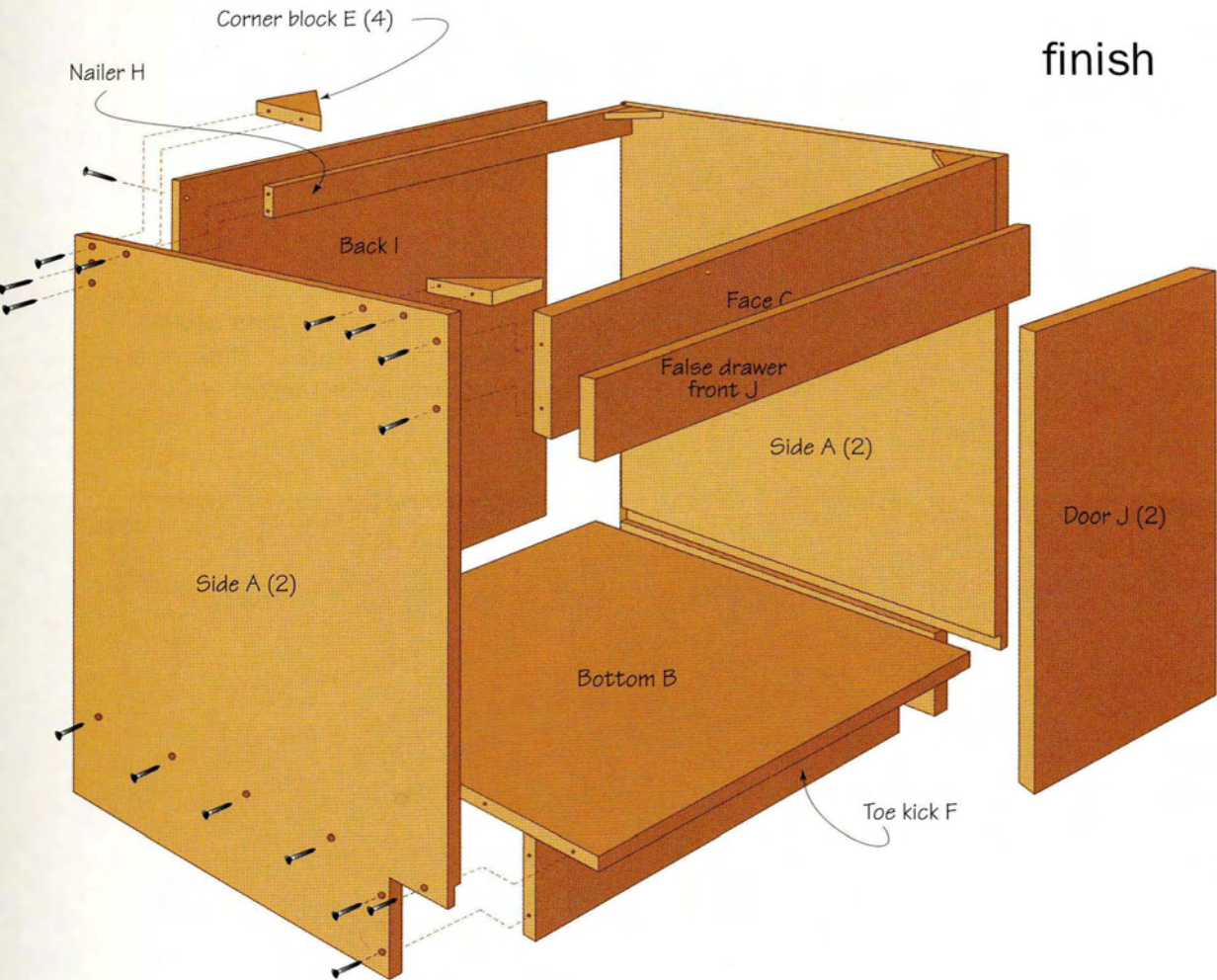
**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	20	(508)	$31\frac{1}{4}$	(794)	cut $\frac{1}{4} \times \frac{3}{8}$ dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	$\frac{3}{4}$	(19)	20	(508)	$35\frac{1}{4}$	(895)	cut $\frac{1}{4} \times \frac{3}{8}$ dado on top back edge
C	1	face	plywood	$\frac{3}{4}$	(19)	$6\frac{3}{4}$	(171)	$34\frac{1}{2}$	(877)	
D	1	nailer	plywood	$\frac{3}{4}$	(19)	3	(76)	$34\frac{1}{2}$	(877)	
E	4	corner blocks	plywood	$\frac{3}{4}$	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$34\frac{1}{2}$	(877)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$35\frac{1}{4}$	(895)	$26\frac{3}{4}$	(679)	
J	1	false drawer front	plywood	$\frac{3}{4}$	(19)	$5\frac{1}{8}$	(130)	$35\frac{1}{4}$	(895)	
K	2	doors	plywood	$\frac{3}{4}$	(19)	$17\frac{9}{16}$	(446)	$20\frac{3}{4}$	(527)	

- HARDWARE NEEDED:**
- 4 95°- opening European hinges
 - 2 handles or pulls for the doors

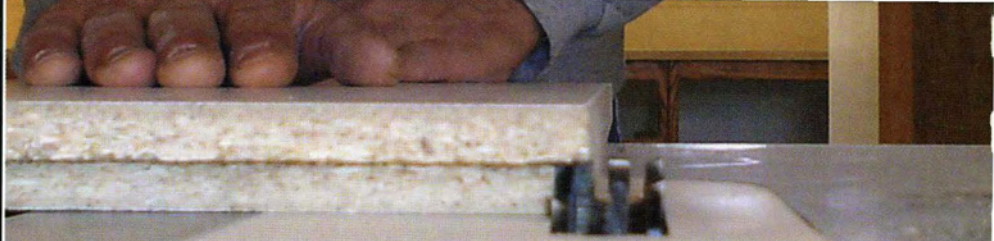
color

finish

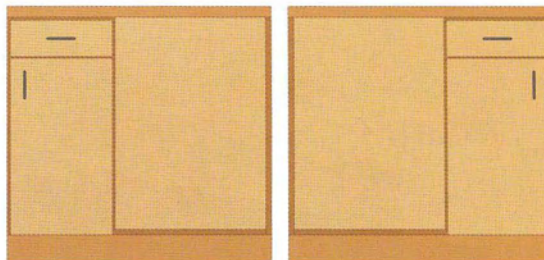


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	31 1/4	(794)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	20	(508)	WX-3/4	(-19)	WX = width of cabinet, cut 1/4 x 3/8 dado on top back edge
C	1	face	plywood	3/4	(19)	6 3/4	(171)	WX-1 1/2	(-38)	
D	1	nailer	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
E	4	corner blocks	plywood	3/4	(19)	4	(102)	4	(102)	cut blocks diagonally to form triangular shape
F	1	toe kick	plywood	3/4	(19)	4	(102)	WX-1 1/2	(-38)	
I	1	back	plywood	1/4	(6)	WX-3/4	(-19)	26 3/4	(679)	
J	1	false drawer front	plywood	3/4	(19)	5 1/8	(130)	WX-3/4	(-19)	
K	2	doors	plywood	3/4	(19)	WX-7/8 ÷ 2	(-22mm ÷ 2)	20 3/4	(527)	

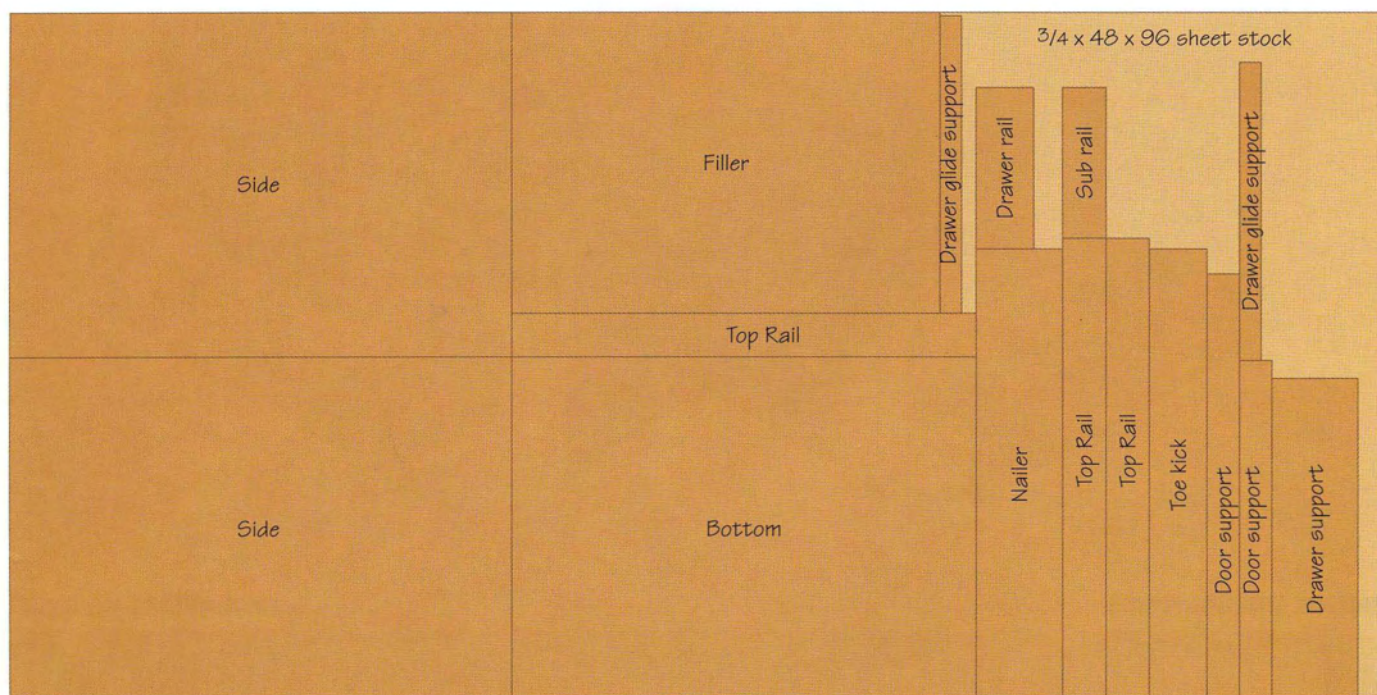


blind-corner base cabinets

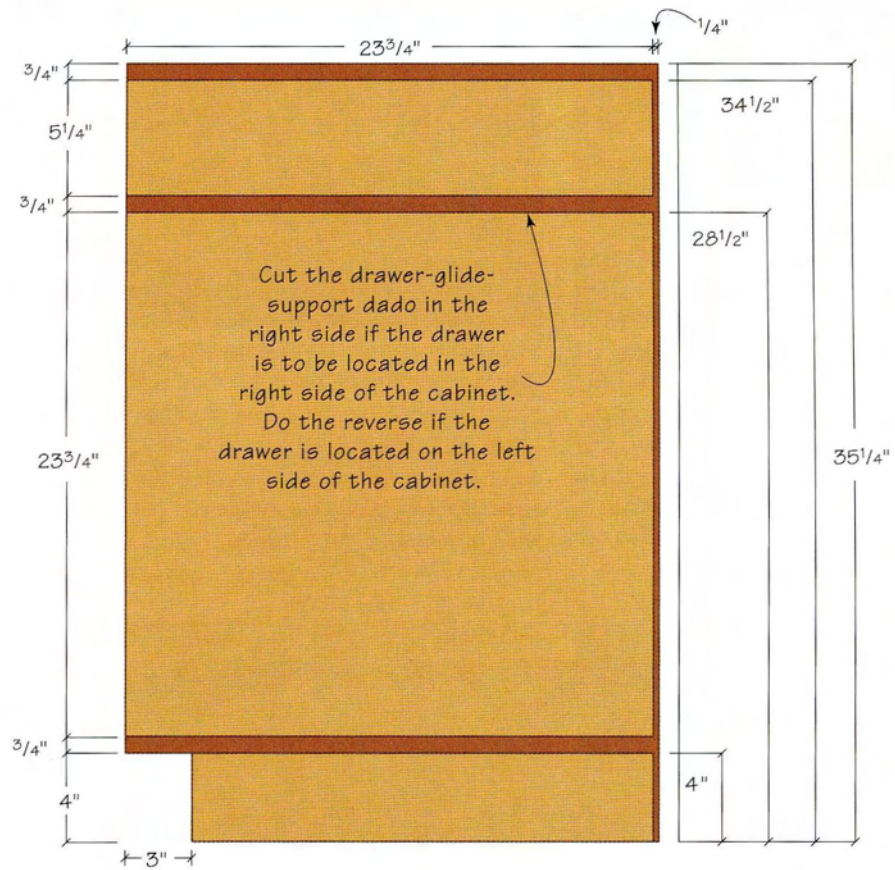


OPTIMIZATION OF PARTS

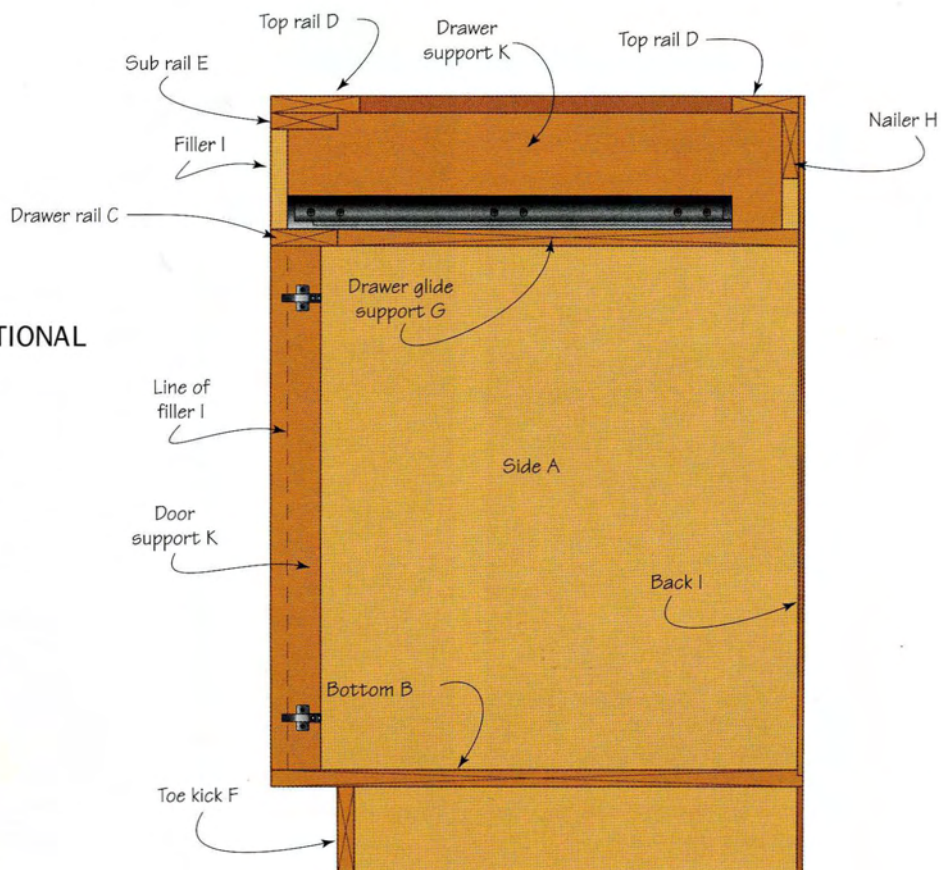
This optimization drawing is for a 12" blind-corner base cabinet. The layout of the parts will be similar for all sizes of blind-corner base cabinets. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL





1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router set up on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to 4" and cut the dado for the bottom panel first. See the illustration for layout details.



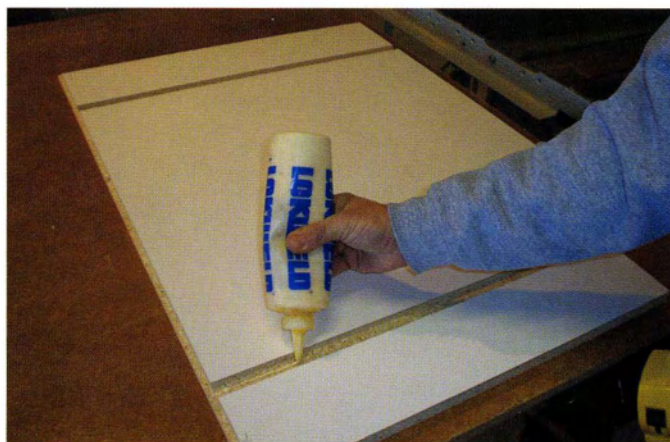
2 Determine whether the cabinet will have the filler on the right or left side. You'll only need to cut one dado in either the left or right side. Reset the fence to $28\frac{1}{2}$ " and cut the dado for the drawer glide supports. If you're using your router, you can reset the fence on the router table (if the table is large enough) or use a straightedge to guide the router for this cut.



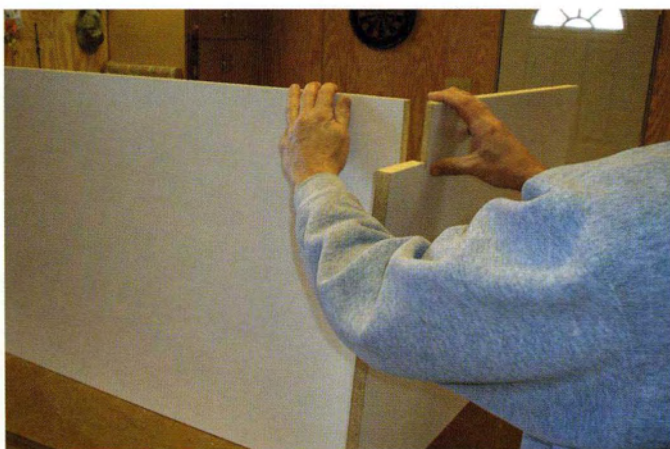
3 Set the fence to $5\frac{1}{4}$ " and cut the rabbet in the drawer support.



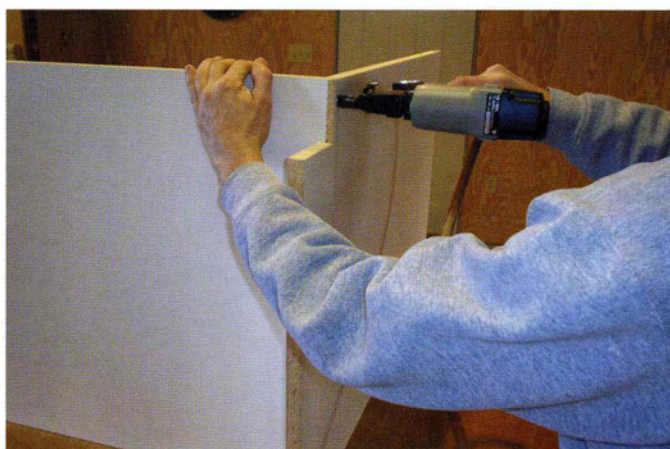
4 Set the fence for $23\frac{3}{4}$ " and cut the rabbet for the back panel. Then, make the toe kick cutouts. See "Cutting Toe Kick Notches" on page 8.



5 When starting the assembly of the cabinets, have some wood glue, a brush and a damp cloth handy. Apply a bead of glue to the bottom panel dado of the right side and brush the glue evenly in the dado.



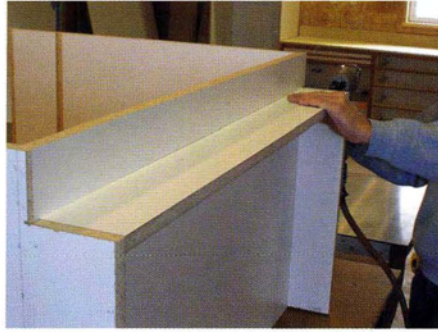
6 Stand the side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel.



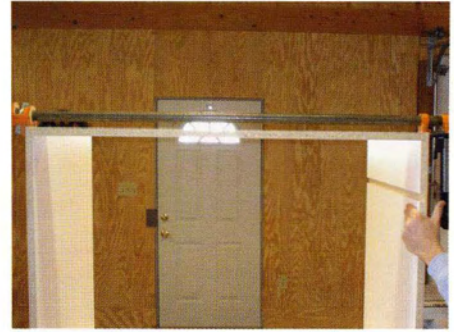
7 Attach the side to the bottom using $1\frac{1}{4}$ " narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



8 Attach the other side.



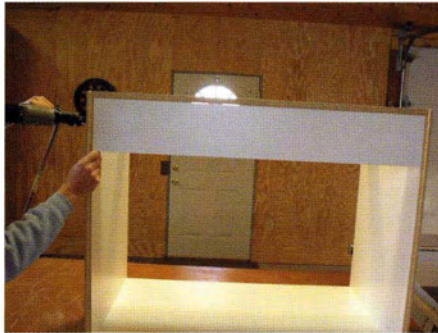
9 Attach the toe kick between the sides.



10 Stand the cabinet up, then install the rails using glue and staples or screws. Use a bar clamp to hold the sides tight to the rails.



11 Attach the back top rail.



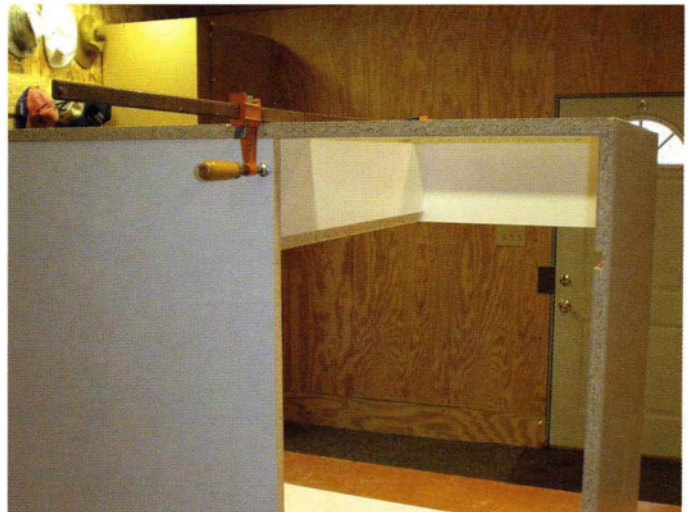
12 Install the nailer at the back of the cabinet.



13 Install the filler by attaching to the side, top rail and bottom panel.



14 Install the drawer support. At the back of the cabinet, use the sub rail as a spacer to locate the drawer support. Attach the support to the nailer in the back.



15 Attach the drawer spacer to the top rail and the spacer in the front.



16 Attach the door support to the spacer.



17 Install the front drawer rail. It will need a $\frac{3}{8}$ " $\times$ $\frac{3}{4}$ " notch in the front edge to fit around the filler.



18 Install the sub rail and attach it to the top rail.



19 Install the drawer glide support in the side panel.



20 Install the drawer glide support in the rabbet in the drawer support.



21 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



22 Add glue to the rabbets and check for squareness one more time.



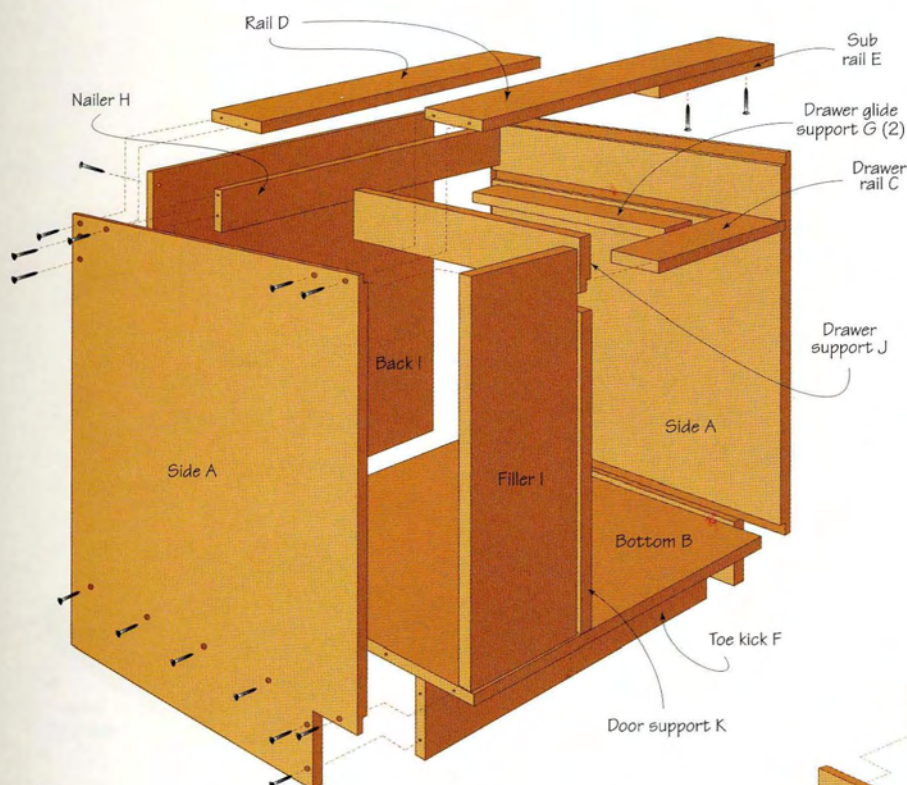
23 Attach the back with screws or staples.

BCB12**HARDWARE NEEDED:**

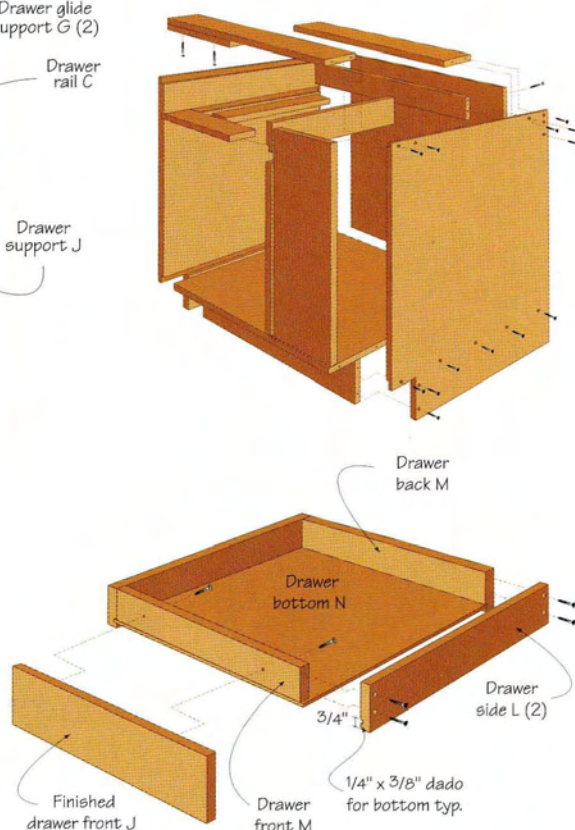
- 2 95°- opening European hinges
 1 set 20"- full extension drawer slides
 2 handles or pulls for the door and drawer

color

finish



Door and drawer measurements are the same as base cabinet on page 20.



inches (millimeters)

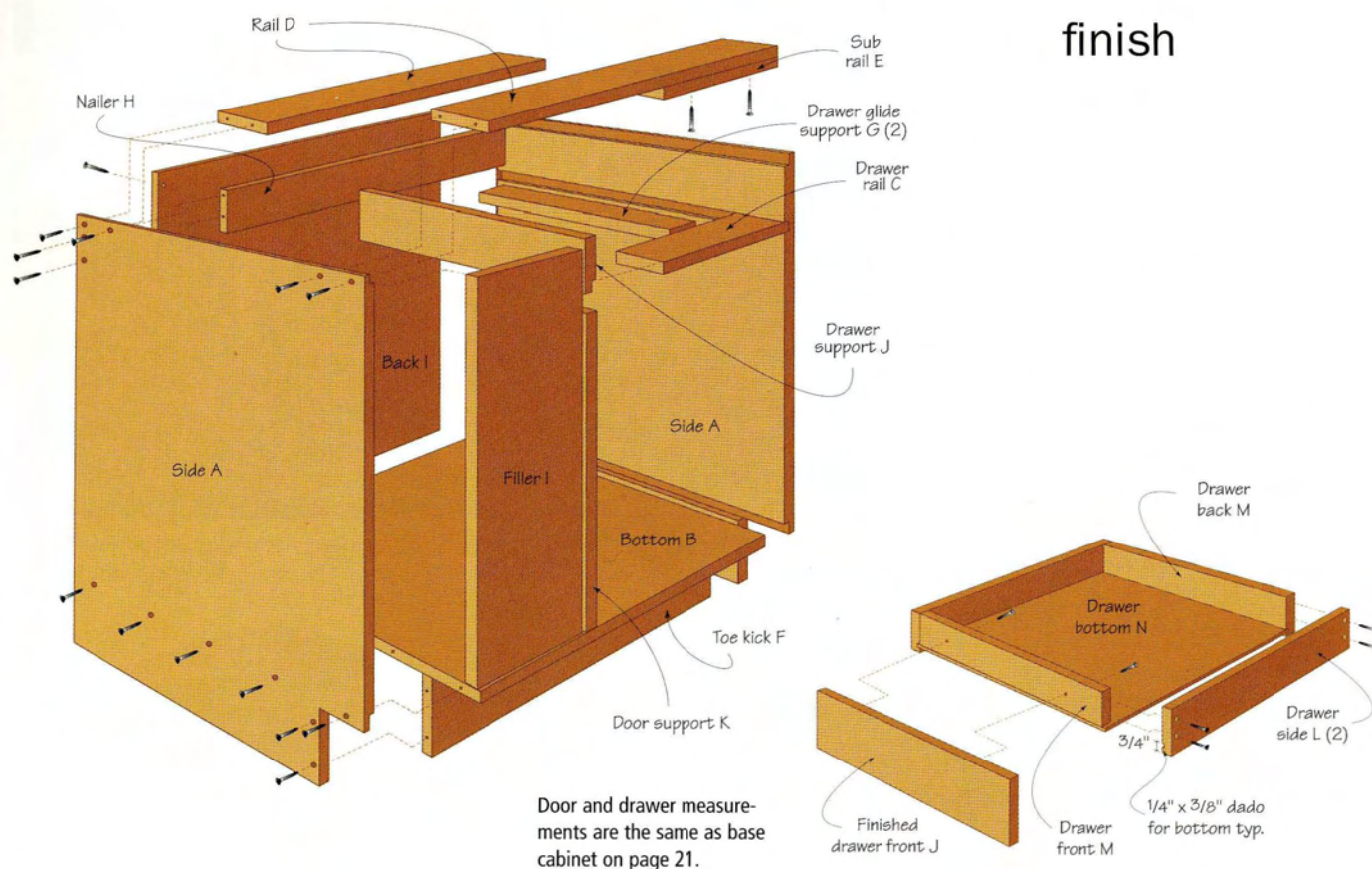
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	32 1/4	(819)	cut 1/4 x 3/8 dado on top back edge
C	1	drawer rail	plywood	3/4	(19)	4	(102)	11 1/4	(285)	
D	2	top rails	plywood	3/4	(19)	3	(76)	32 1/4	(819)	
E	1	sub rail	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	31 1/2	(800)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	6	(152)	31 1/2	(800)	
I	1	filler	plywood	3/4	(19)	21	(533)	29 5/8	(753)	
J	1	drawer support	plywood	3/4	(19)	6	(152)	22 1/2	(572)	cut 3/8 x 3/4 dado on bottom edge
K	1	door support	plywood	3/4	(19)	2 1/4	(57)	23 5/8	(600)	
L	1	back	plywood	1/4	(6)	32 1/4	(819)	30 3/4	(781)	

BCB15**HARDWARE NEEDED:**

- 2 95°- opening European hinges
 1 set 20"- full extension drawer slides
 2 handles or pulls for the door and drawer

color

finish



Door and drawer measurements are the same as base cabinet on page 21.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dado on top back edge
C	1	drawer rail	plywood	3/4	(19)	4	(102)	14 1/4	(362)	
D	2	top rails	plywood	3/4	(19)	3	(76)	35 1/4	(895)	
E	1	sub rail	plywood	3/4	(19)	3	(76)	13 1/2	(343)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	34 1/2	(877)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	6	(152)	34 1/2	(877)	
I	1	filler	plywood	3/4	(19)	21	(533)	29 5/8	(753)	
J	1	drawer support	plywood	3/4	(19)	6	(152)	22 1/2	(572)	cut 3/8 x 3/4 dado on bottom edge
K	1	door support	plywood	3/4	(19)	2 1/4	(57)	23 5/8	(600)	
L	1	back	plywood	1/4	(6)	35 1/4	(895)	30 3/4	(781)	

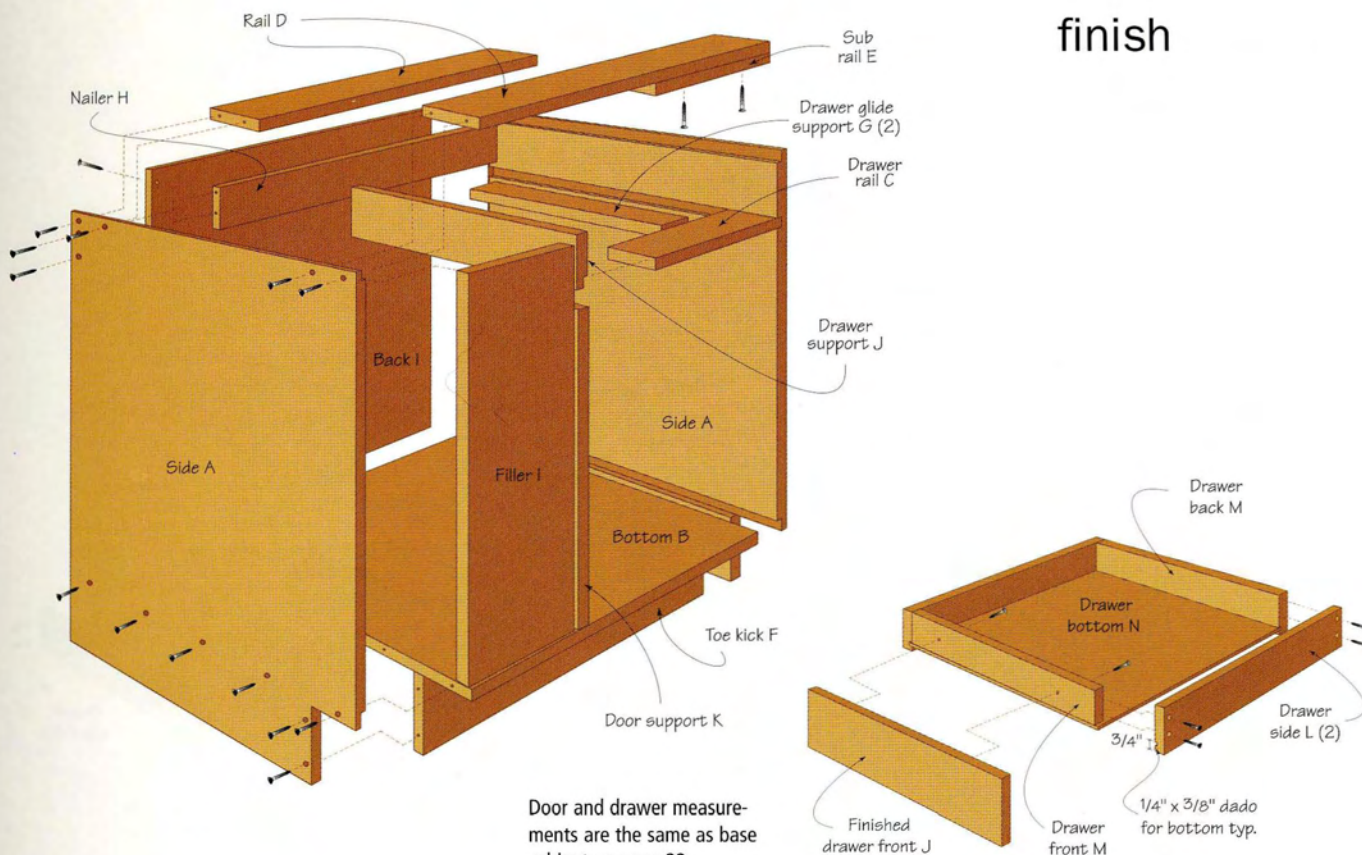
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	BCB18		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 1 set 20"- full extension drawer slides
- 2 handles or pulls for the door and drawer

color

finish



Door and drawer measurements are the same as base cabinet on page 22.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	38 1/4	(971)	cut 1/4 x 3/8 dado on top back edge
C	1	drawer rail	plywood	3/4	(19)	4	(102)	11 1/4	(285)	
D	2	top rails	plywood	3/4	(19)	3	(76)	38 1/4	(971)	
E	1	sub rail	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	37 1/2	(953)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	6	(152)	37 1/2	(953)	
I	1	filler	plywood	3/4	(19)	21	(533)	29 5/8	(753)	
J	1	drawer support	plywood	3/4	(19)	6	(152)	22 1/2	(572)	cut 3/8 x 3/4 dado on bottom edge
K	1	door support	plywood	3/4	(19)	2 1/4	(57)	23 3/8	(600)	
L	1	back	plywood	1/4	(6)	38 1/4	(971)	30 3/4	(781)	

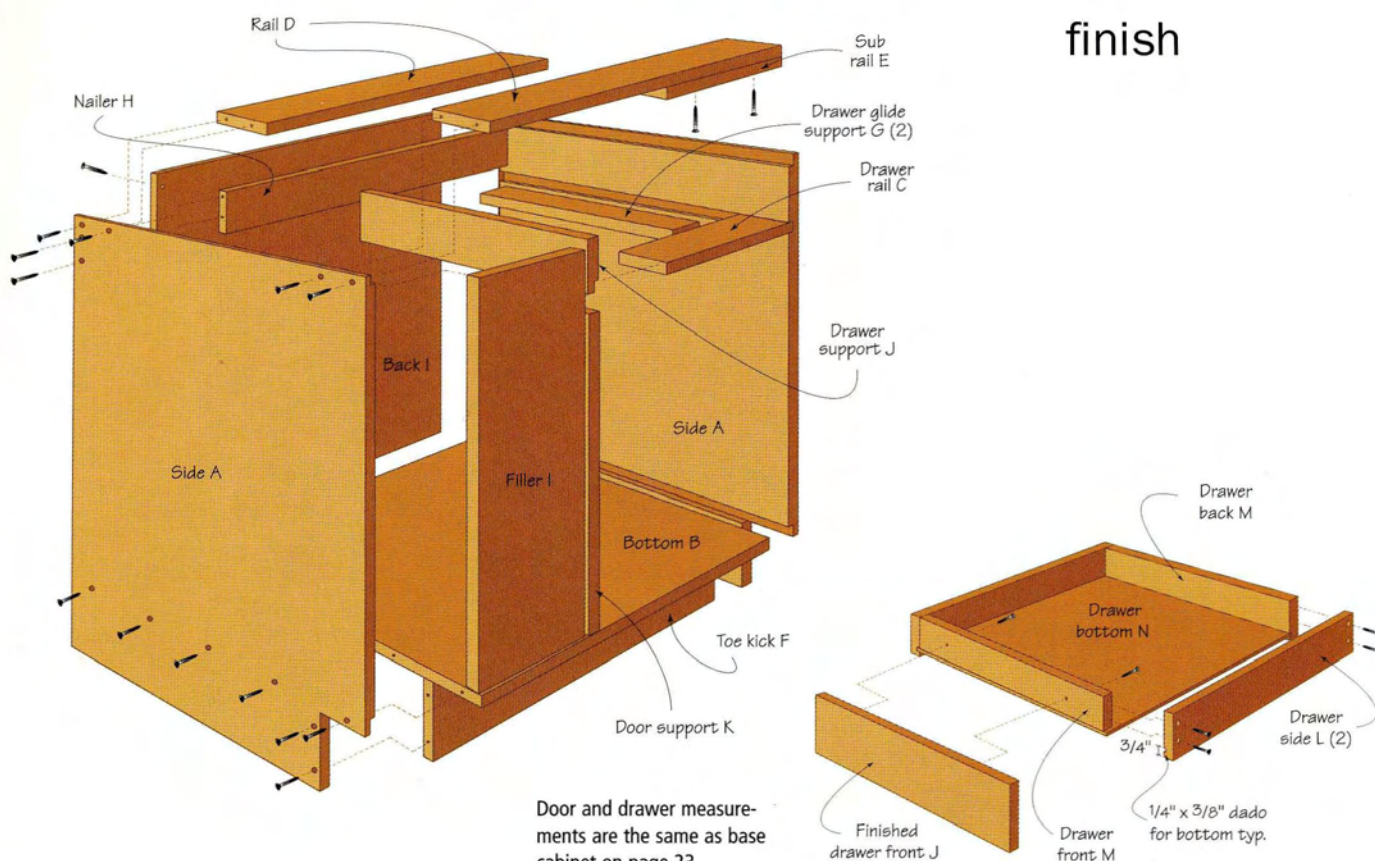
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	BCB21		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 1 set 20"- full extension drawer slides
- 2 handles or pulls for the door and drawer

color

finish



inches (millimeters)

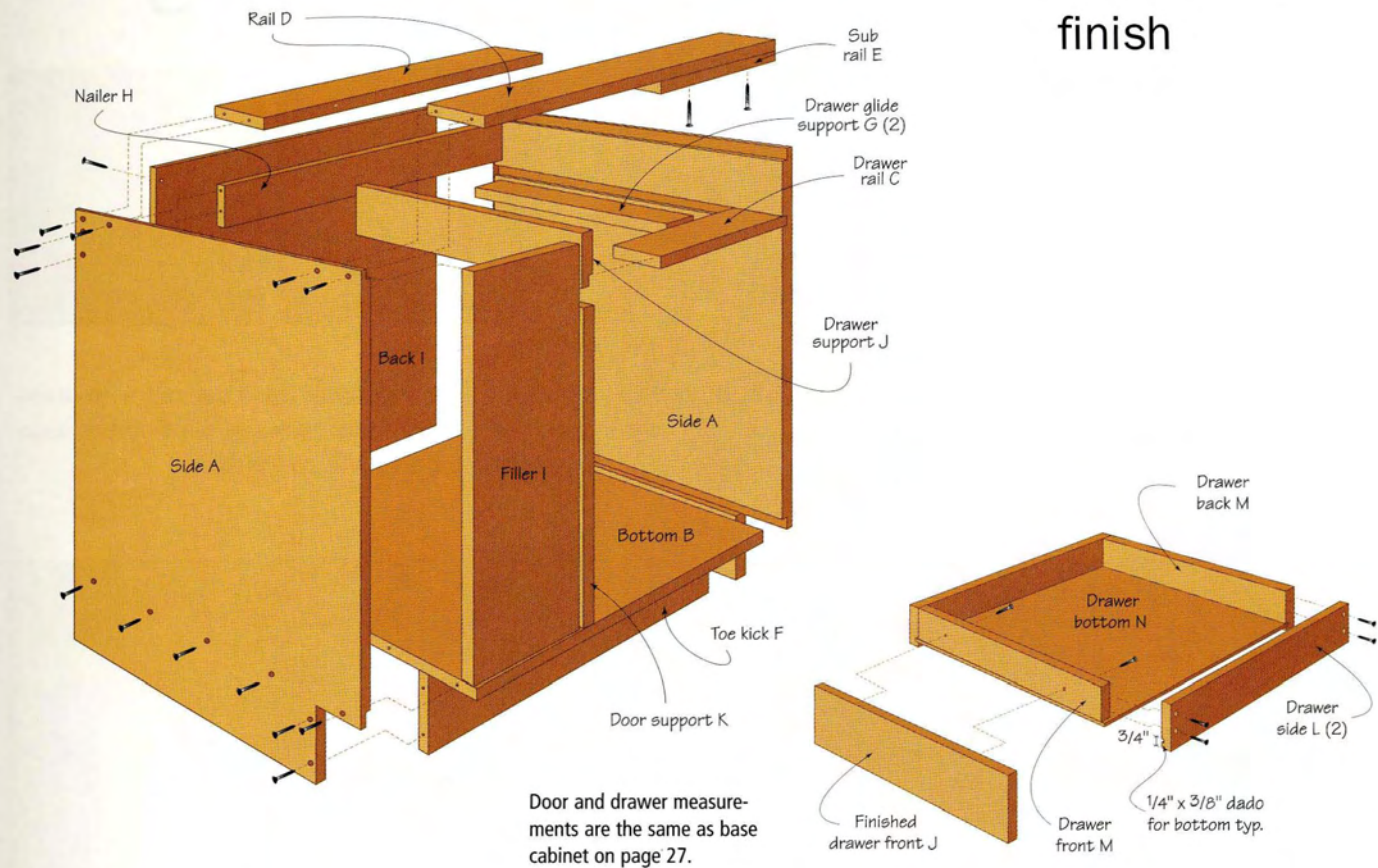
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	41 1/4	(1047)	cut 1/4 x 3/8 dado on top back edge
C	1	drawer rail	plywood	3/4	(19)	4	(102)	20 1/4	(514)	
D	2	top rails	plywood	3/4	(19)	3	(76)	41 1/4	(1047)	
E	1	sub rail	plywood	3/4	(19)	3	(76)	19 1/2	(496)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	40 1/2	(1029)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	6	(152)	40 1/2	(1029)	
I	1	filler	plywood	3/4	(19)	21	(533)	29 5/8	(753)	
J	1	drawer support	plywood	3/4	(19)	6	(152)	22 1/2	(572)	cut 3/8 x 3/4 dado on bottom edge
K	1	door support	plywood	3/4	(19)	2 1/4	(57)	23 5/8	(600)	
L	1	back	plywood	1/4	(6)	41 1/4	(1047)	30 3/4	(781)	

BCBW_X**HARDWARE NEEDED:**

- 2 95°- opening European hinges
 1 set 20"- full extension drawer slides
 2 handles or pulls for the door and drawer

color

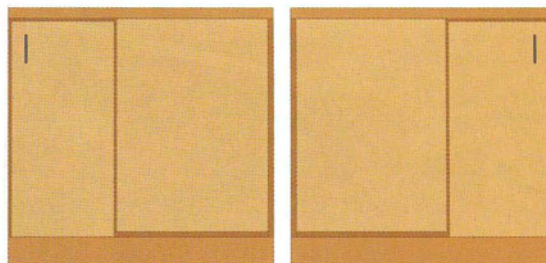
finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, drawers, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	WX-3/4 (-19)		cut 1/4 x 3/8 dado on top back edge
C	1	drawer rail	plywood	3/4	(19)	4	(102)	WX-21 3/4 (-552)		
D	2	top rails	plywood	3/4	(19)	3	(76)	WX-3/4 (-19)		
E	1	sub rail	plywood	3/4	(19)	3	(76)	WX-22 1/2 (-572)		
F	1	toe kick	plywood	3/4	(19)	4	(102)	31 1/2	(800)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	6	(152)	WX-1 1/2 (-38)		
I	1	filler	plywood	3/4	(19)	21	(533)	29 5/8	(753)	
J	1	drawer support	plywood	3/4	(19)	6	(152)	22 1/2	(572)	cut 3/8 x 3/4 dado on bottom edge
K	1	door support	plywood	3/4	(19)	2 1/4	(57)	23 5/8	(600)	
L	1	back	plywood	1/4	(6)	WX-3/4 (-19)		30 3/4	(781)	

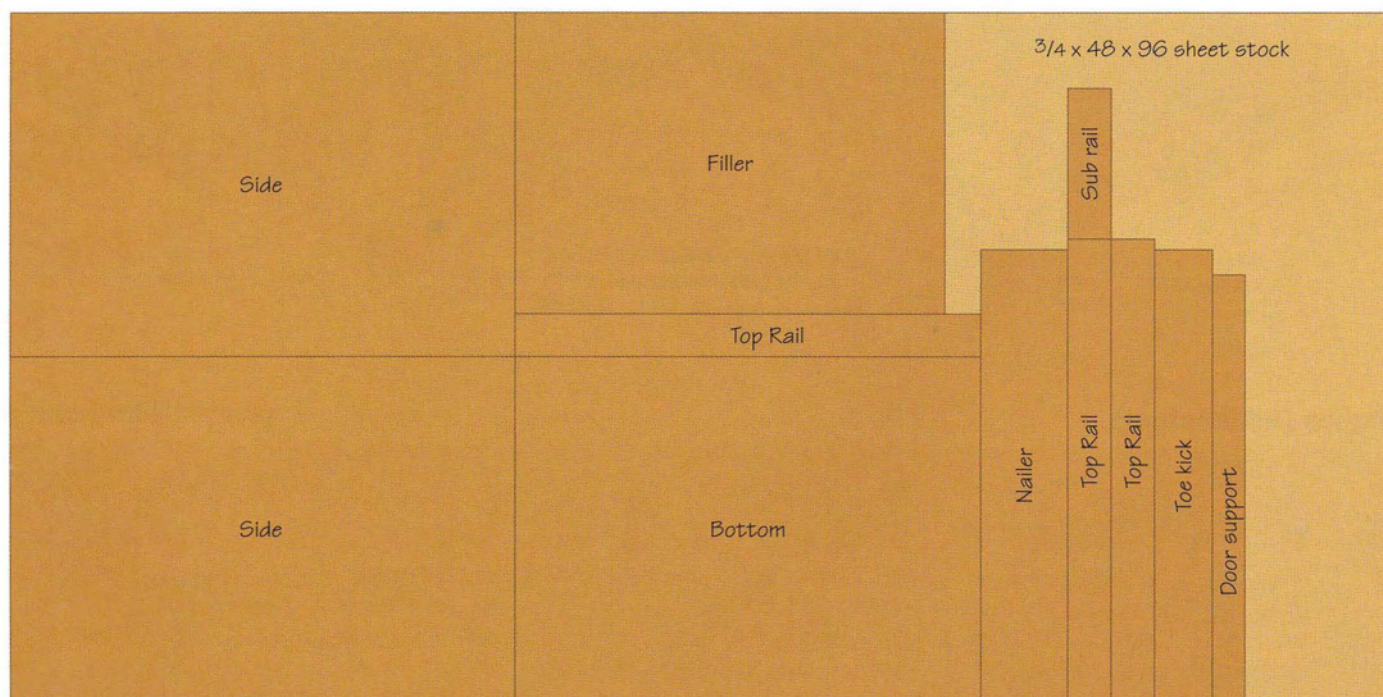


blind-corner base cabinets without drawers

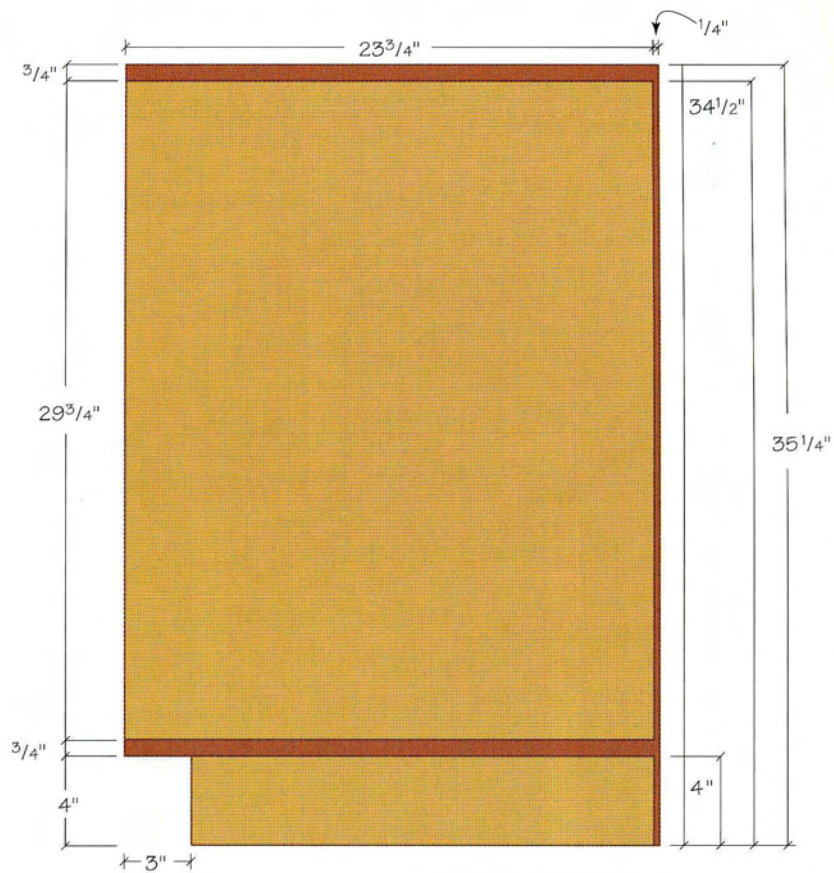


OPTIMIZATION OF PARTS

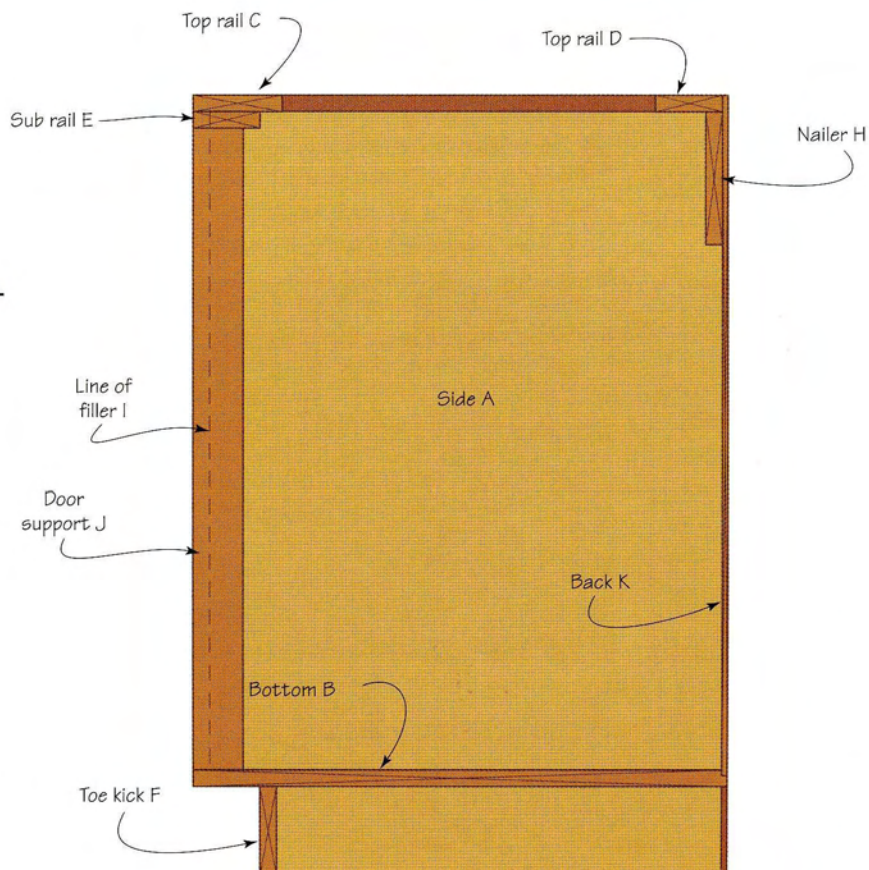
This optimization drawing is for a 12" blind-corner base cabinet w/o drawers. The layout of the parts will be similar for all sizes of blind-corner base cabinet w/o drawers. Widths of some parts will be increased.

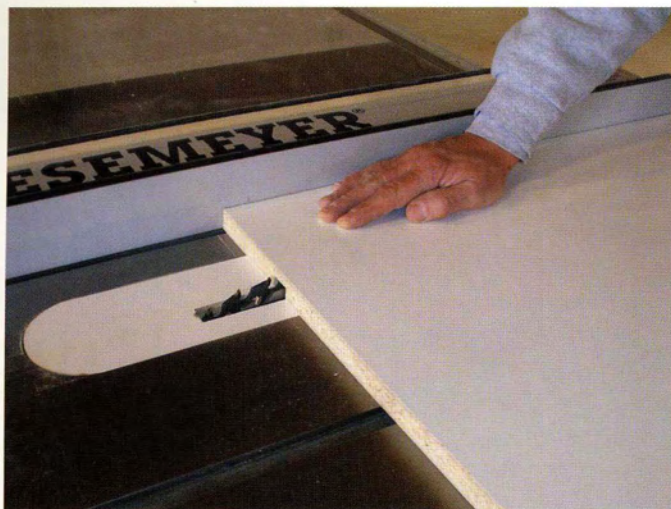


DADO LAYOUT



SIDE SECTIONAL





1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router set up on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to 4" and cut the dado for the bottom panel first. See the illustration for layout details.



2 Reset the fence to $34\frac{1}{2}$ " and cut the rabbet for the top rails.



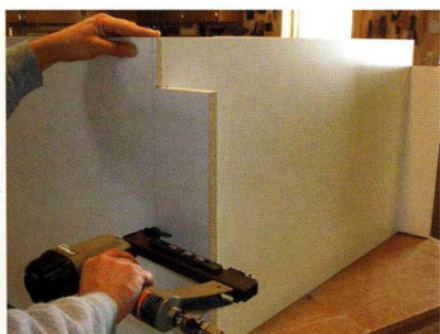
3 Reset the fence to $23\frac{3}{4}$ " and cut the rabbet for the back panel. Then, cut the toe kick notches. See "Cutting Toe Kick Notches" on page 8.



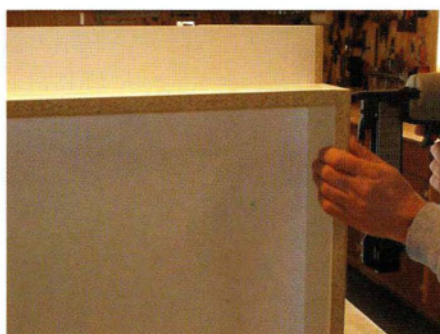
4 When starting the assembly of the cabinets, have some wood glue, a brush and a damp cloth handy. Apply a bead of glue to the bottom panel dado of the right side and brush the glue evenly in the dado.



5 Stand the right side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel.



6 Attach the left side to the bottom using $1\frac{1}{4}$ " narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



7 Attach the toe kick between the sides.



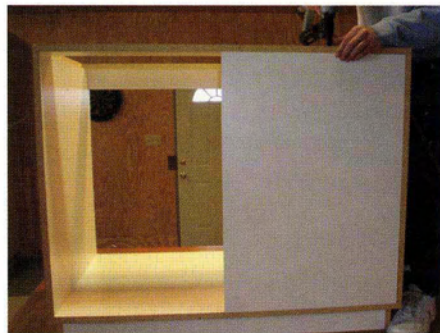
8 Stand the cabinet up, then install the rails using glue and staples or screws. Use a bar clamp to hold the sides tight to the rails.



9 Install the back top rail.



10 Install the nailer at the back of the cabinet.



11 Install the filler and attach it to the top front rail and bottom and side panels.



12 Attach the sub rail to the top front rail.



13 Attach the door support to the filler.



14 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



15 Add glue to the rabbets and check for squareness one more time.



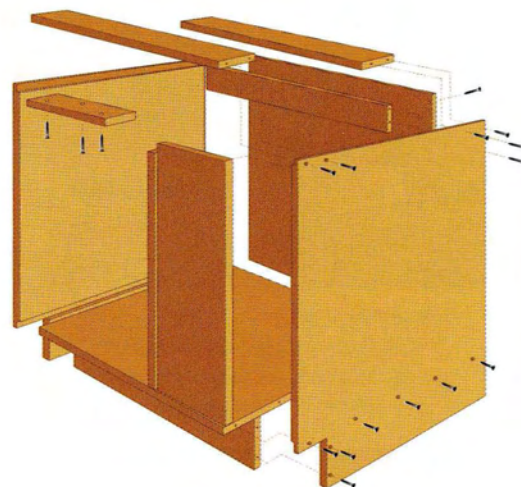
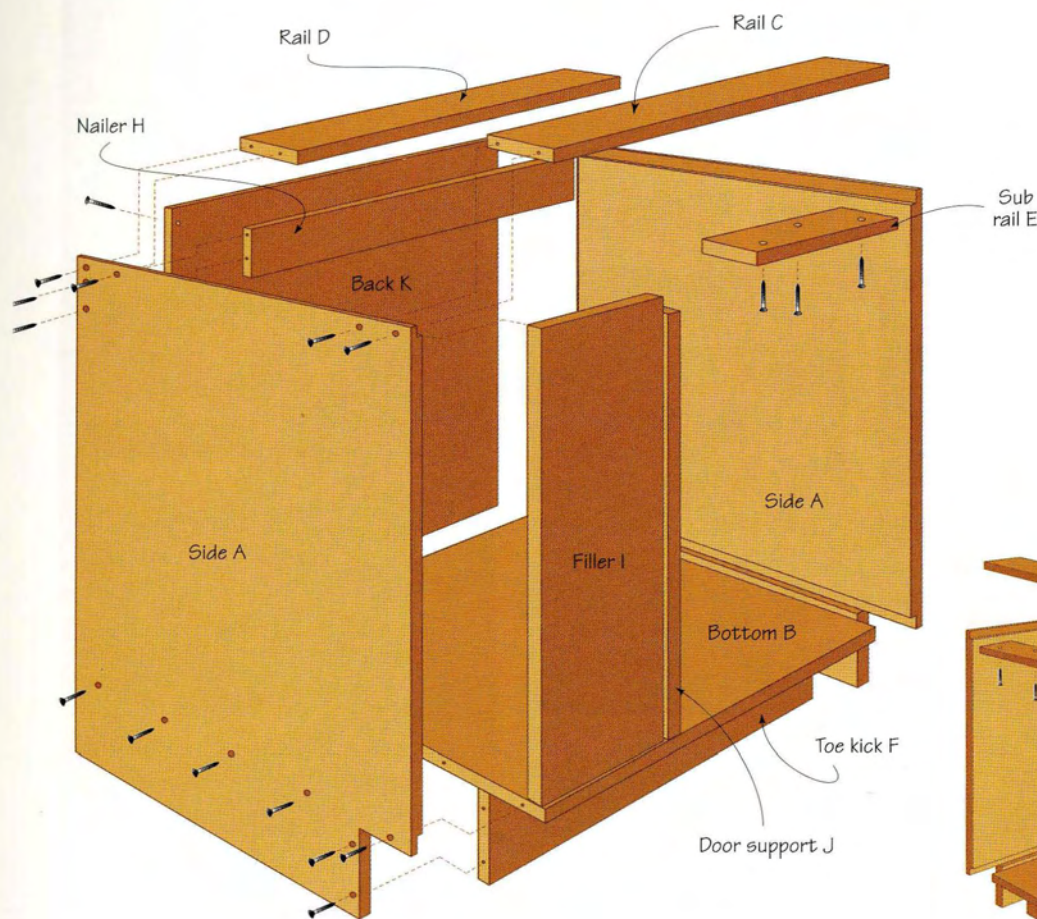
16 Attach the back with screws or staples.

BCBCw/o12**HARDWARE NEEDED:**

- 2 95°- opening European hinges
1 handle or pull for the door

color

finish



Door measurements are the same as
base cabinet on page 32.

inches (millimeters)

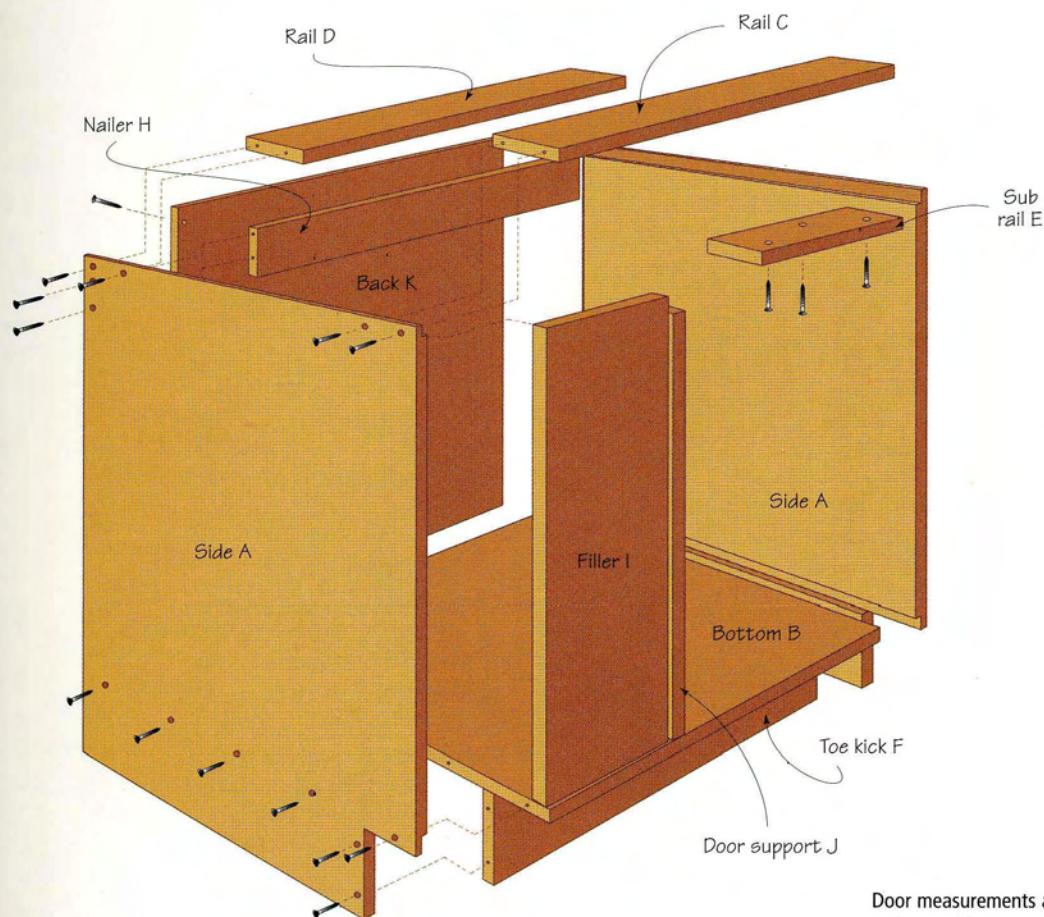
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	32 1/4	(819)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	32 1/4	(819)	
D	1	rail	plywood	3/4	(19)	3	(76)	32 1/4	(819)	
E	1	sub rail	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	31 1/2	(800)	
H	1	nailer	plywood	3/4	(19)	3	(76)	31 1/2	(800)	
I	1	filler	plywood	3/4	(19)	21	(533)	29 3/4	(756)	
J	1	door support	plywood	3/4	(19)	2 1/4	(57)	29 3/4	(756)	
L	1	back	plywood	1/4	(6)	32 1/4	(819)	30 3/4	(781)	

BCBCw/o15**HARDWARE NEEDED:**

- 2 95°- opening European hinges
1 handle or pull for the door

color

finish



Door measurements are the same
as base cabinet on page 33.

inches (millimeters)

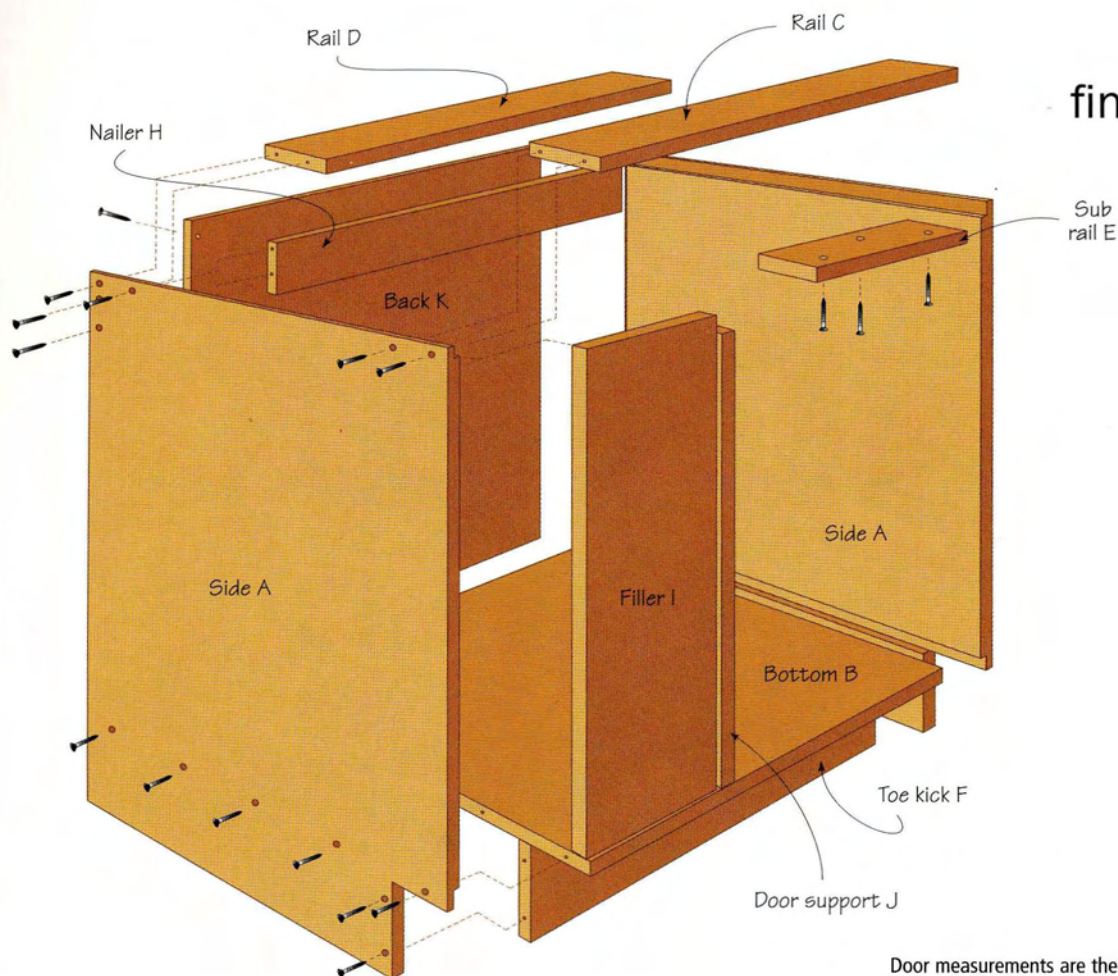
REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	24 (610)	35 1/4 (895)	cut 1/4 x 3/8 dadoes for bottom, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4 (19)	24 (610)	35 1/4 (895)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4 (19)	4 (102)	35 1/4 (895)	
D	1	rail	plywood	3/4 (19)	3 (76)	35 1/4 (895)	
E	1	sub rail	plywood	3/4 (19)	3 (76)	13 1/2 (343)	
F	1	toe kick	plywood	3/4 (19)	4 (102)	34 1/2 (877)	
H	1	nailer	plywood	3/4 (19)	3 (76)	34 1/2 (877)	
I	1	filler	plywood	3/4 (19)	21 (533)	29 3/4 (756)	
J	1	door support	plywood	3/4 (19)	2 1/4 (57)	29 3/4 (756)	
L	1	back	plywood	1/4 (6)	35 1/4 (895)	30 3/4 (781)	

BCBCw/o18**HARDWARE NEEDED:**

- 2 95°- opening European hinges
1 handle or pull for the door

color

finish



Door measurements are the same
as base cabinet on page34.

inches (millimeters)

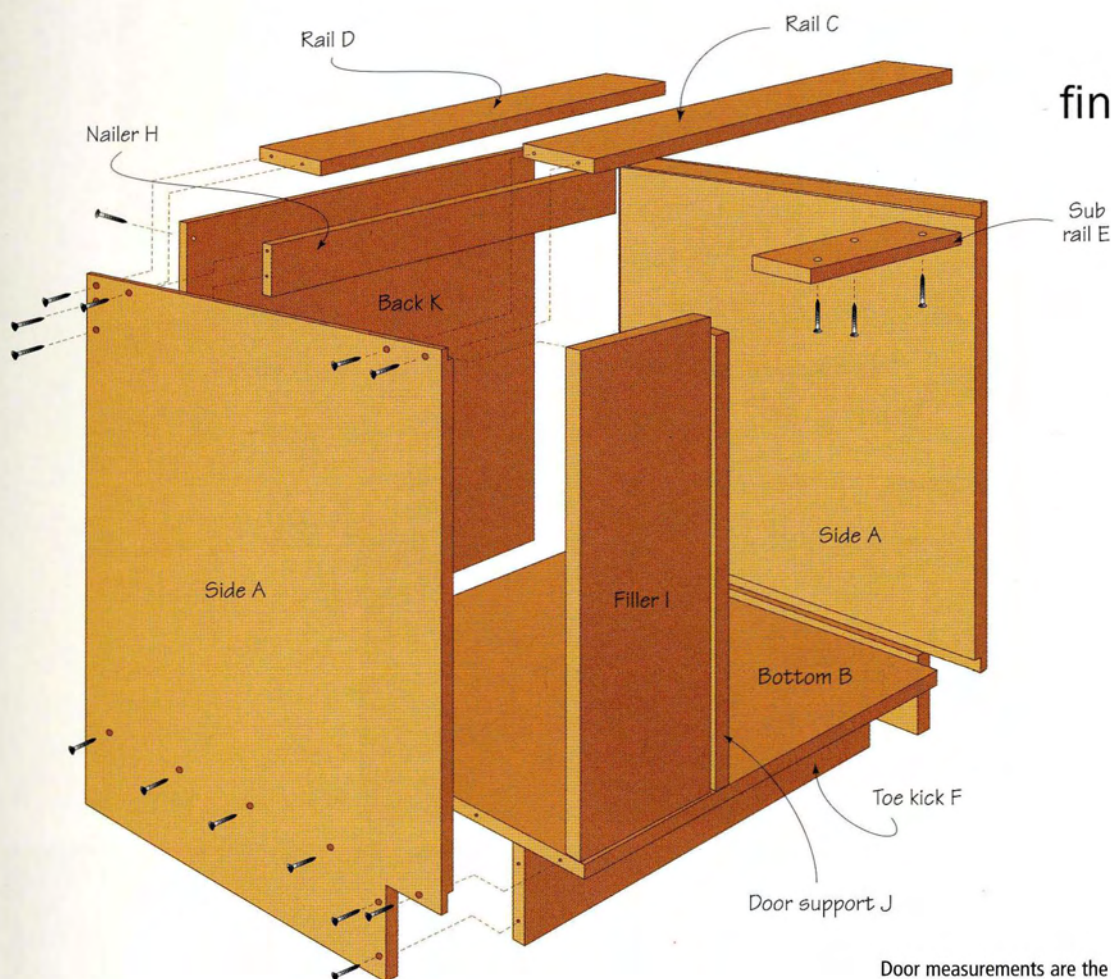
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dados for bottom, top rail, back panel and 3"x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	38 1/4	(971)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	38 1/4	(971)	
D	1	rail	plywood	3/4	(19)	3	(76)	38 1/4	(971)	
E	1	sub rail	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	37 1/2	(953)	
H	1	nailer	plywood	3/4	(19)	3	(76)	37 1/2	(953)	
I	1	filler	plywood	3/4	(19)	21	(533)	29 3/4	(756)	
J	1	door support	plywood	3/4	(19)	2 1/4	(57)	29 3/4	(756)	
L	1	back	plywood	1/4	(6)	38 1/4	(971)	30 3/4	(781)	

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 1 handle or pull for the door

color

finish



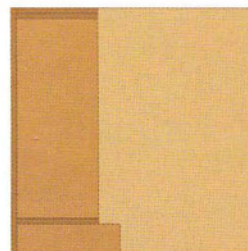
Door measurements are the same as base cabinet on page 39.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	35 1/4	(895)	cut 1/4 x 3/8 dados for bottom, top rail, back panel and 3" x 4" toe kick notch
B	1	bottom	plywood	3/4	(19)	24	(610)	WX-3/4	(-19)	cut 1/4 x 3/8 dado on top back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	WX-3/4	(-19)	
D	1	rail	plywood	3/4	(19)	3	(76)	WX-3/4	(-19)	
E	1	sub rail	plywood	3/4	(19)	3	(76)	WX-22 1/2	(-572)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	WX-1 1/2	(-38)	
H	1	nailer	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
I	1	filler	plywood	3/4	(19)	21	(533)	29 3/4	(756)	
J	1	door support	plywood	3/4	(19)	2 1/4	(57)	29 3/4	(756)	
L	1	back	plywood	1/4	(6)	WX-3/4	(-19)	30 3/4	(781)	

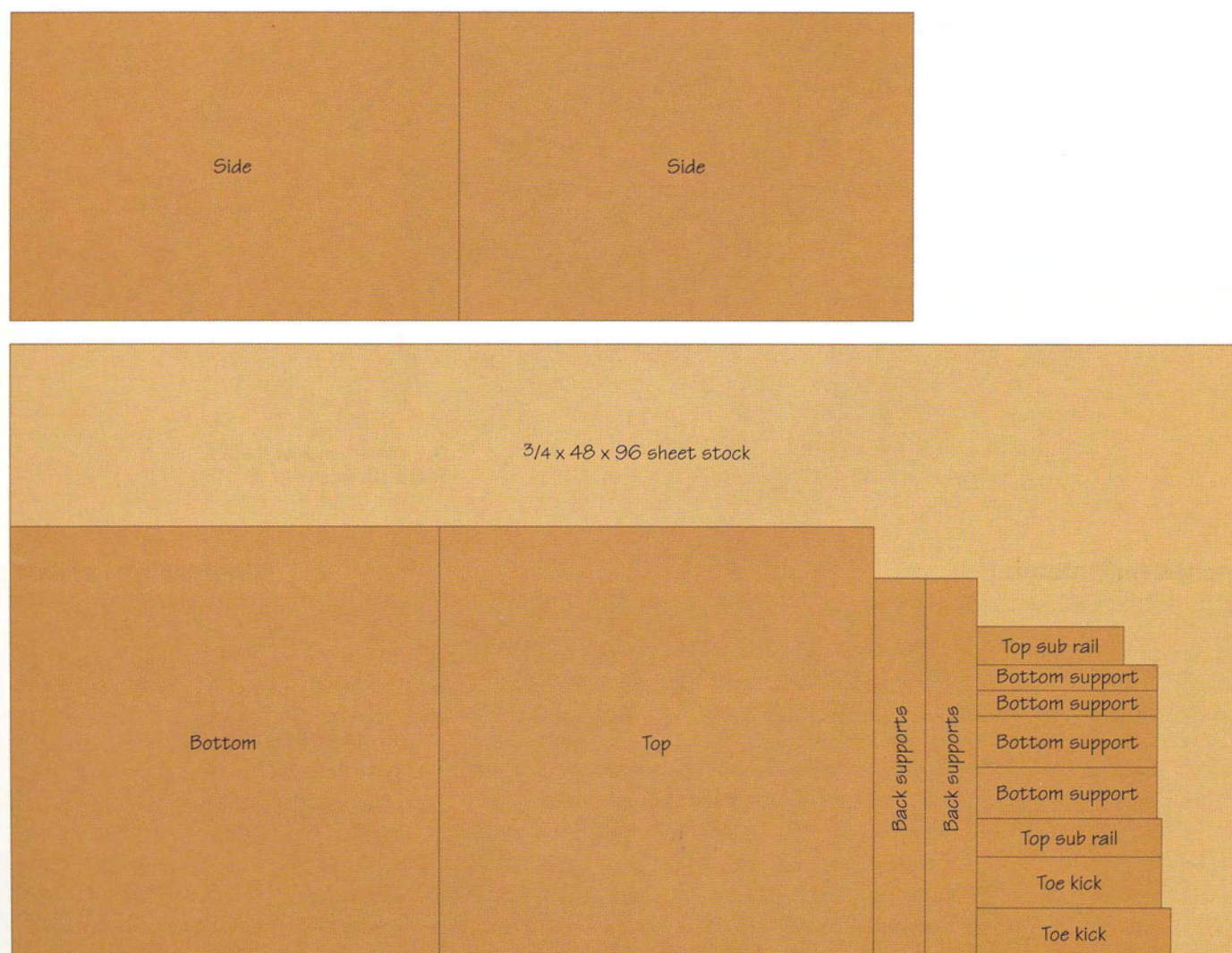


lazy susan cabinets

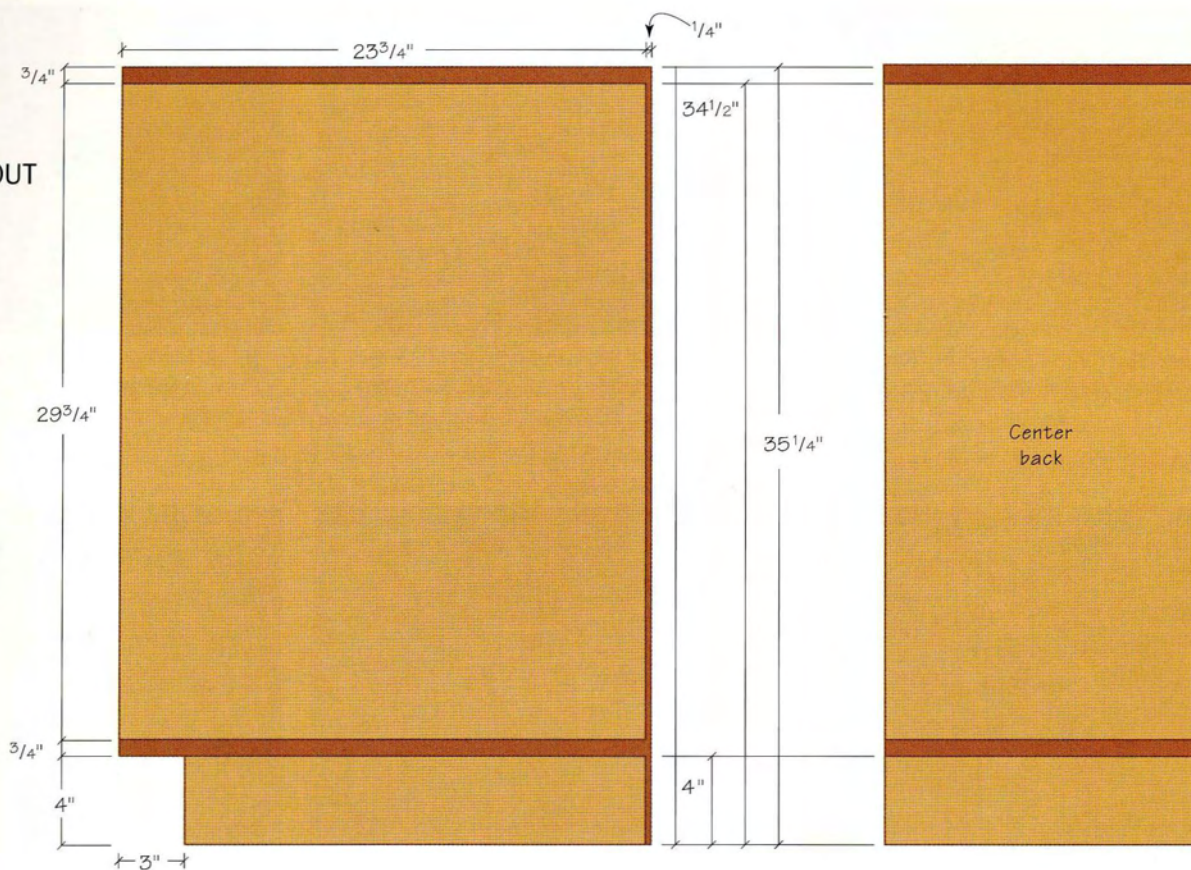


OPTIMIZATION OF PARTS

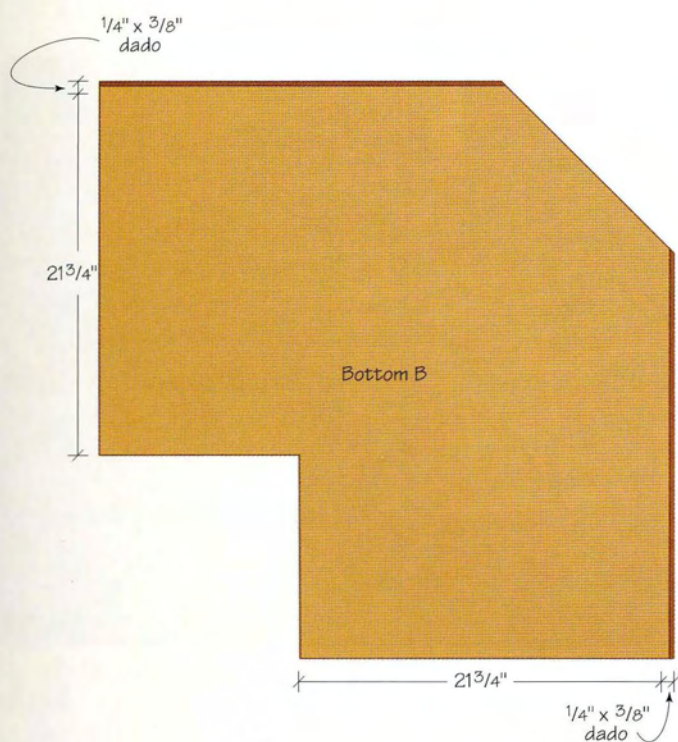
This optimization drawing is for a lazy susan base cabinet.



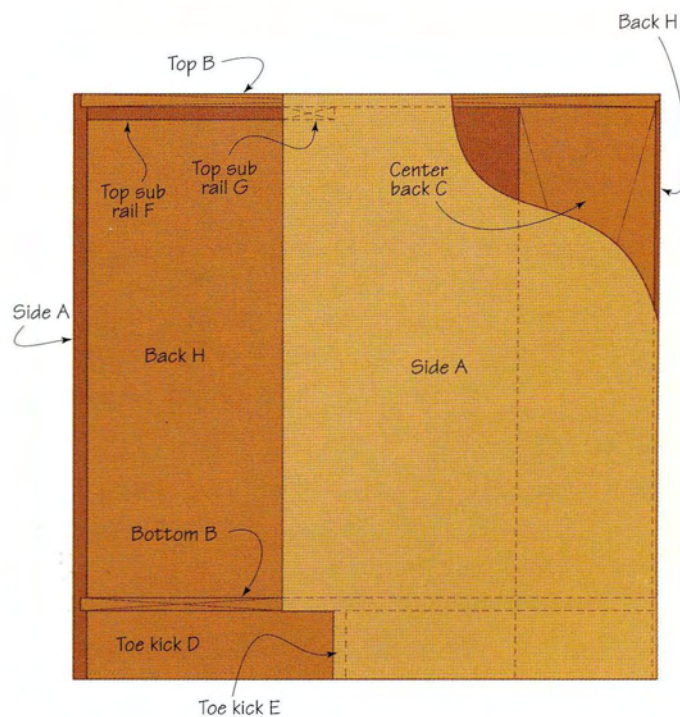
DADO LAYOUT

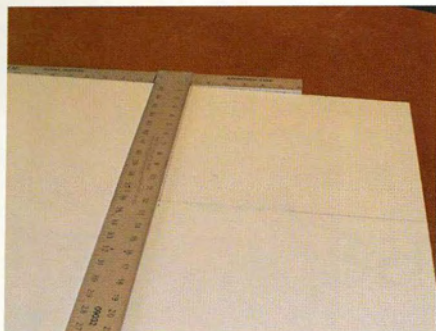


BOTTOM PLAN VIEW

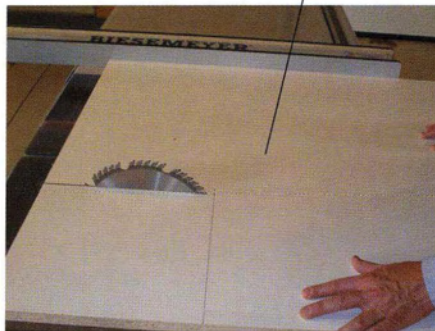


SIDE SECTIONAL

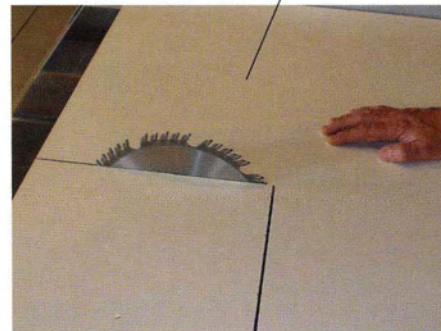




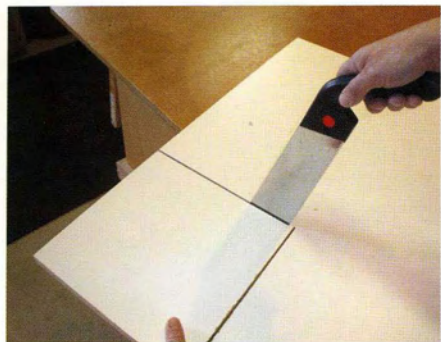
1 After cutting the parts to size, mark the top and bottom panels for the notch.



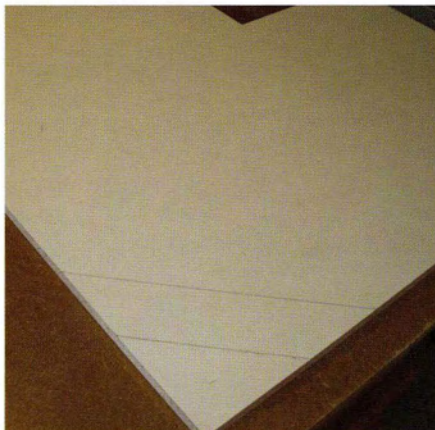
2 Set your table saw fence at 22" to cut the first side of the notch. Raise the blade to its full height (blade guard removed for clarity) and cut to the line.



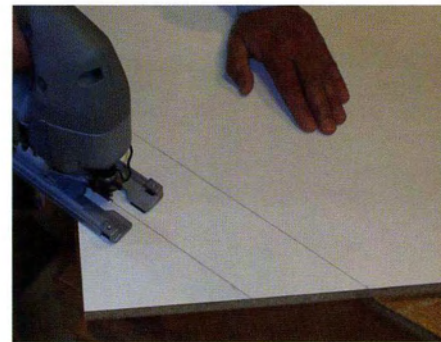
3 Flip the top and bottom panels over and make the second cut for the notch, stopping just short of the saw kerf from the first cut.



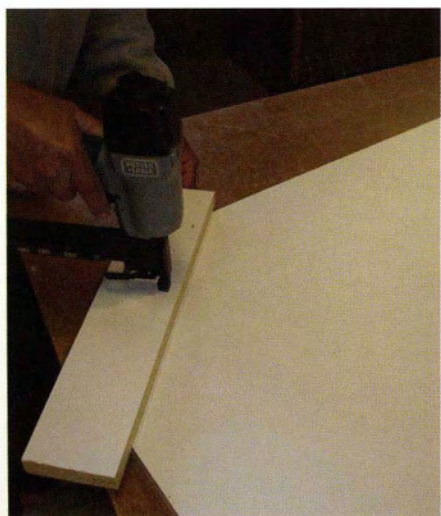
4 Finish cutting the notch using a hand-saw or jigsaw.



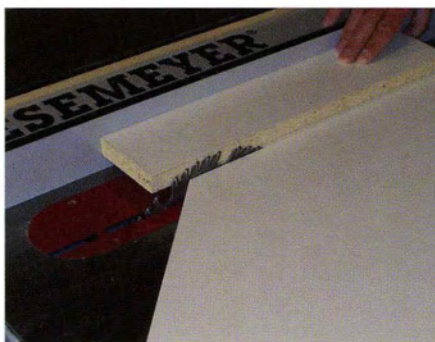
5 Draw a cutting line 10" in from opposite corners at the back of the cabinet top and bottom panels. Draw another line 3" away from and parallel to the first line.



6 Cut on the second line as shown.



7 Cut a scrap piece of wood $\frac{3}{4}$ "-thick by $3\frac{1}{2}$ "-wide by 10"-long and nail it to the top and bottom parts $\frac{1}{8}$ " from the cutting line.



8 Set the table saw fence to $3\frac{1}{2}$ " and cut the angle on the top and bottom parts. This is a quick and easy way to make the cut straight.



9 Install the dado head cutters in your table saw (or set up your router table with the proper sized bit), set the fence to 4" and cut the dado for the bottom panel in the side panels.



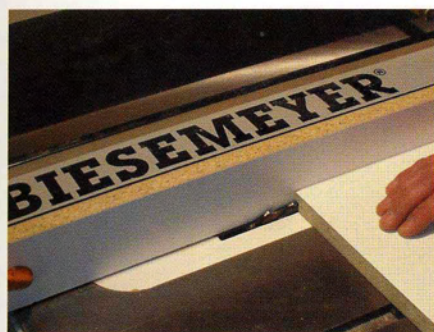
10 Reset the fence to $3\frac{1}{2}$ " and cut the rabbet for the top panels.



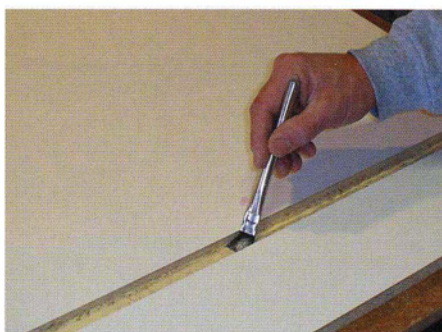
11 Reset the fence to $21\frac{3}{4}$ " and cut the rabbets for the back panel in the back edge of each side panel. Then, make the toe kick cutouts in the side panels. See "Cutting Toe Kick Notches" on page 8.



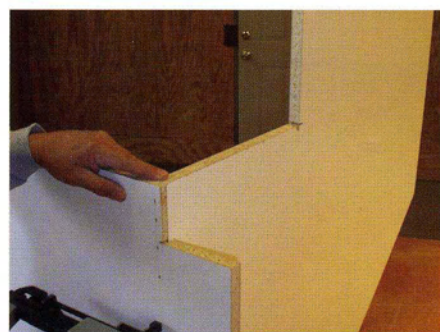
12 To cut the $\frac{1}{4}$ "-wide by $\frac{3}{8}$ "-deep rabbets in the top and bottom panels for the backs, attach a sacrificial fence to the table saw fence. Move the fence until it just touches the cutter. You may need to push the fence into the running cutter so the proper amount ($\frac{1}{4}$ ") of cutter is showing.



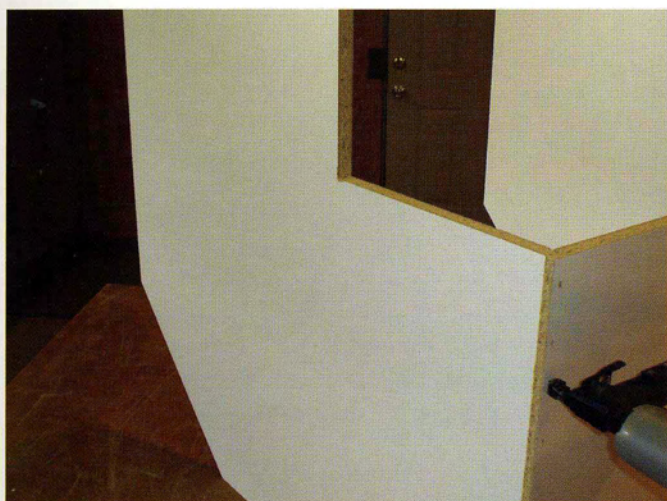
13 Cut the rabbets in the top and bottom panels. See the bottom left illustration on page 147 for details.



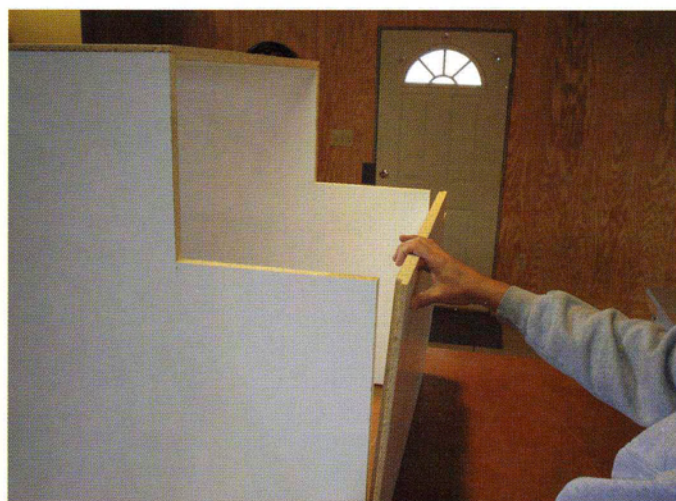
14 Get some wood glue, a brush and a damp cloth. Apply a bead of glue to the bottom panel dado in a side panel and brush the glue evenly in the dado.



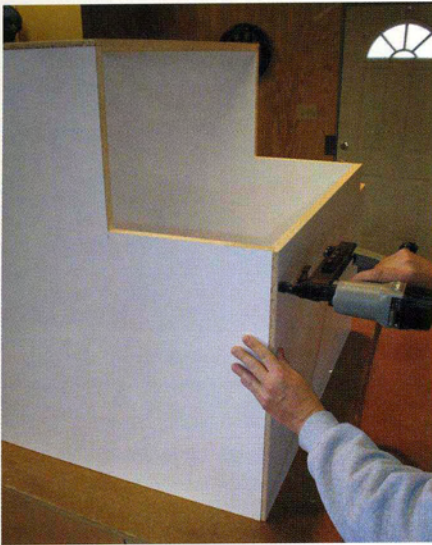
15 Stand the side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart). Wipe any excess glue.



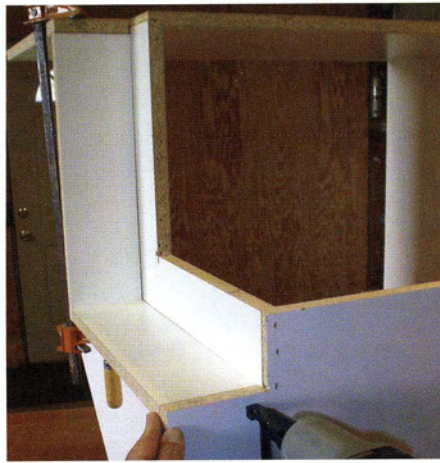
16 Attach the top panel.



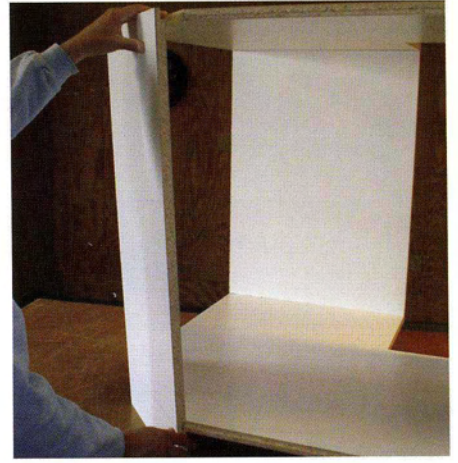
17 Roll the cabinet 90° and set the other panel in place.



18 Use staples or screws to attach the other side panel.



19 Clamp the toe kicks in place and attach them to the sides.



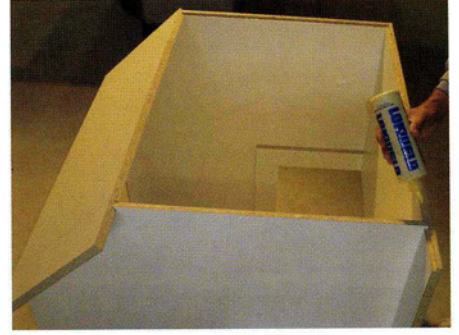
20 Center the corner back on the angle cut and attach using staples.



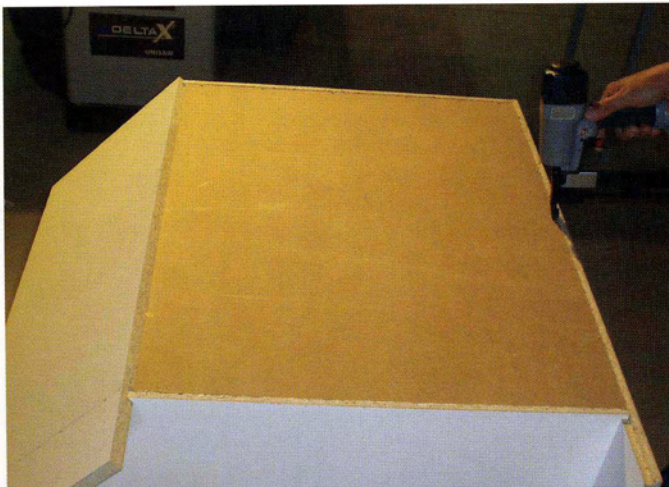
21 Install a couple of nails to secure the toe kicks to the base.



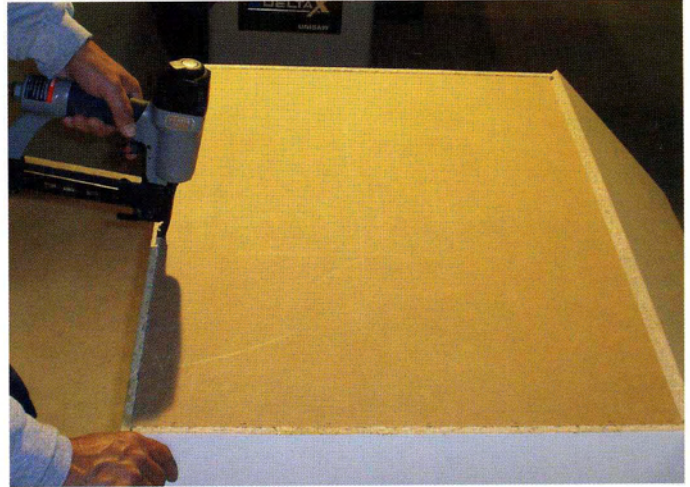
22 Turn the cabinet on its top and install the subrails.



23 Apply glue into the back-panel rabbets.



24 Install one of the back panels.

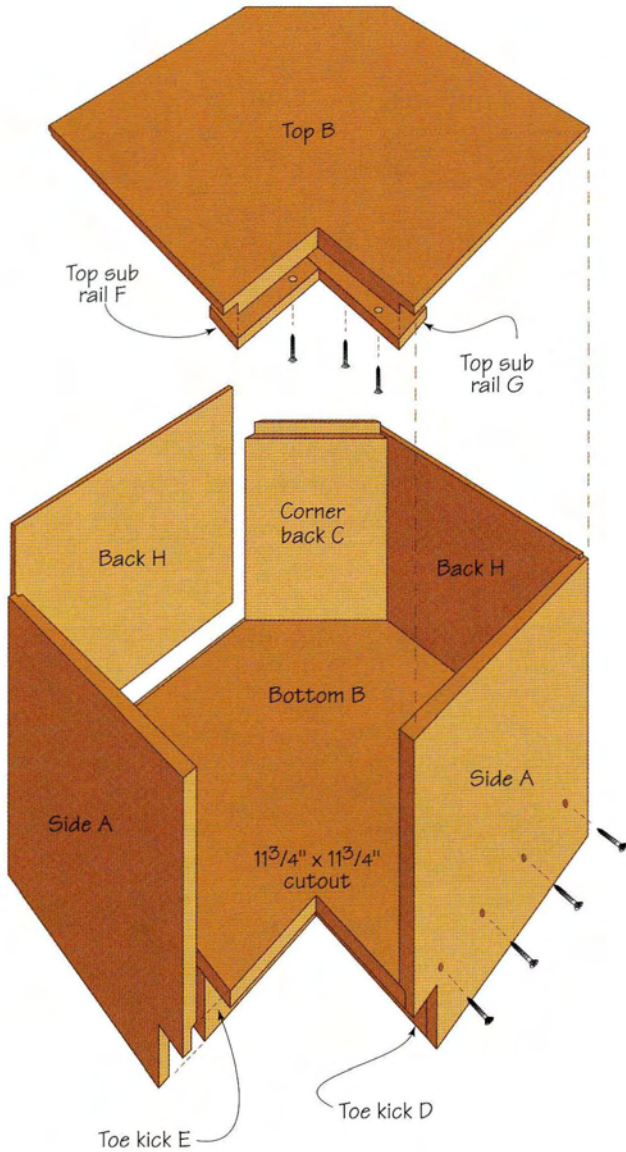


25 Rotate the cabinet 90° and install the other back panel.

HARDWARE NEEDED:
 1 lazy susan hardware kit

color

finish

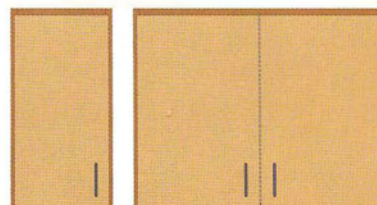


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	22	(559)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom, top and backs and 3" x 4" toe-kick notch
B	2	top and bottom	plywood	3/4	(19)	33 3/4	(857)	33 3/4	(857)	11 3/4 x 11 3/4 cutout, back angle cut and rabbets for backs
C	1	center back	plywood	3/4	(19)	14 3/16	(360)	35 1/4	(895)	cut 1/4 x 3/8 dadoes for bottom and top
D	1	toe kick	plywood	3/4	(19)	4	(102)	14 3/8	(366)	
E	1	toe kick	plywood	3/4	(19)	4	(102)	15 1/8	(384)	
F	1	top sub rail	plywood	3/4	(19)	3	(76)	11 3/8	(289)	
G	1	top sub rail	plywood	3/4	(19)	3	(76)	14 3/8	(366)	
H	2	backs	plywood	1/4	(6)	23 9/16	(598)	30 3/8	(772)	

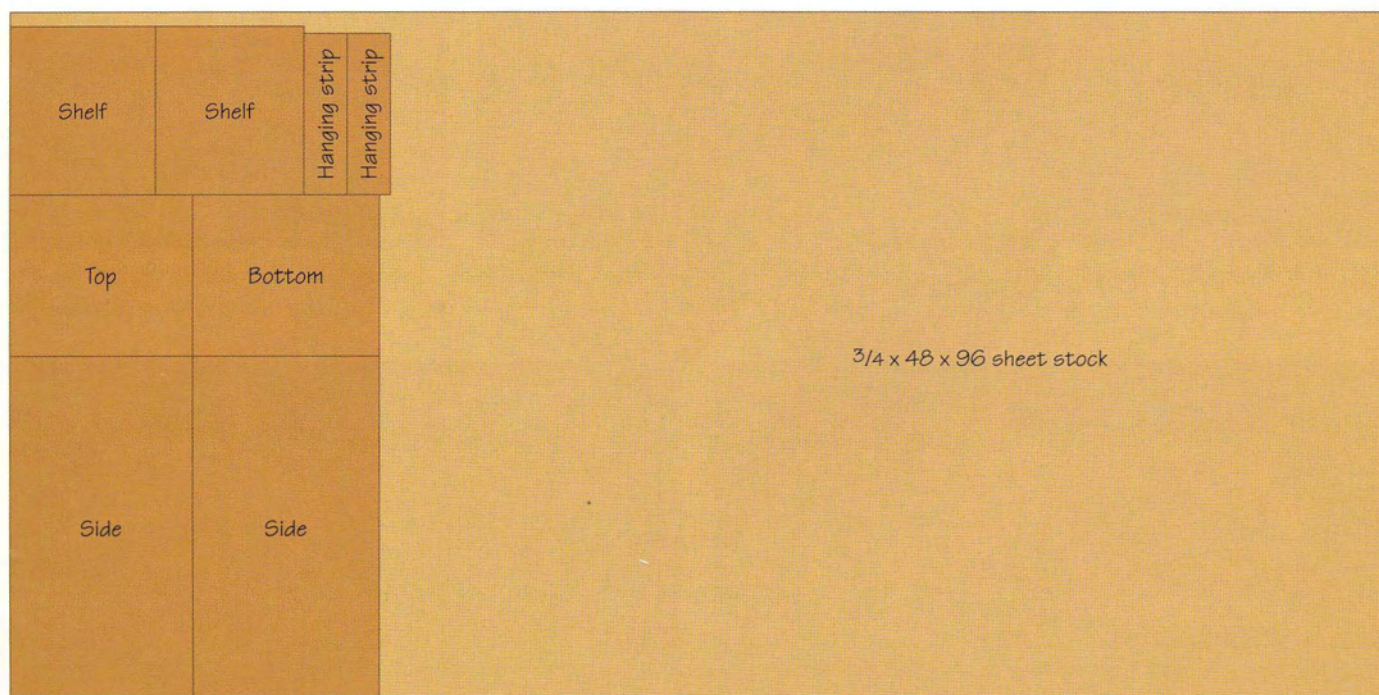


24"-tall wall cabinets

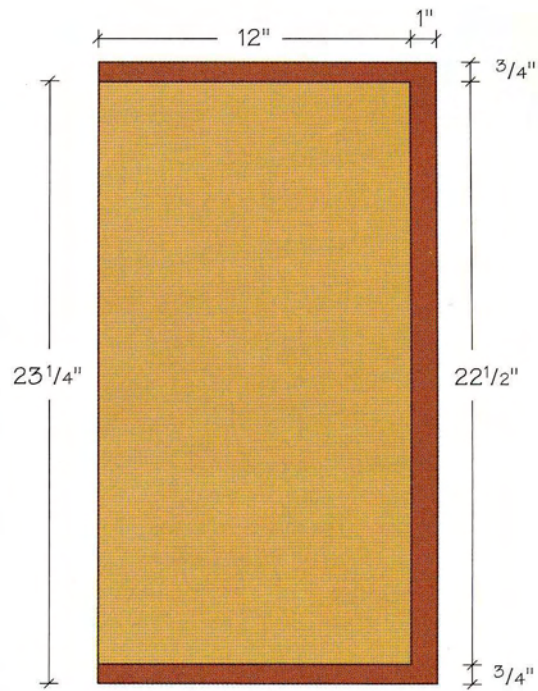


OPTIMIZATION OF PARTS

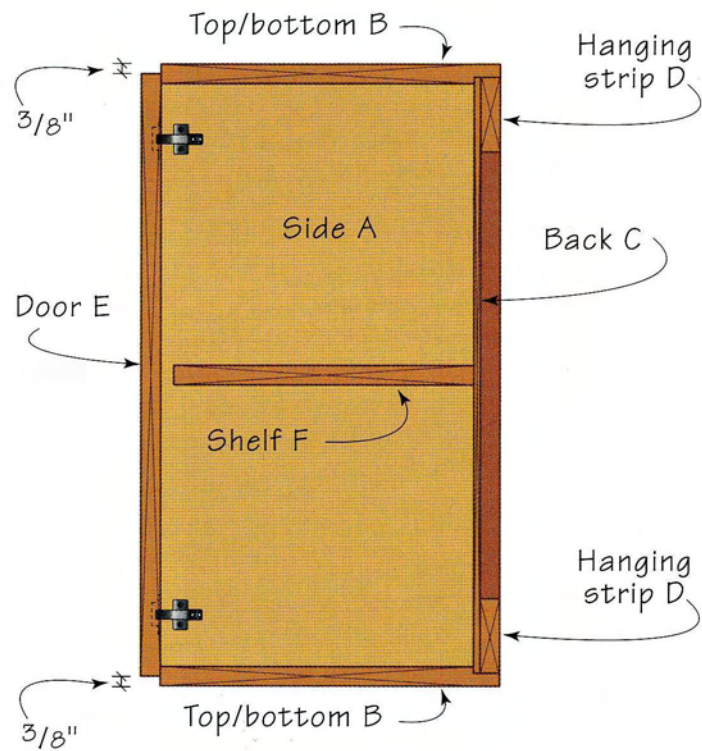
This optimization drawing is for a 24"-tall wall cabinet. The layout of the parts will be similar for all sizes of 24"-tall wall cabinets. Widths of some parts will be increased.

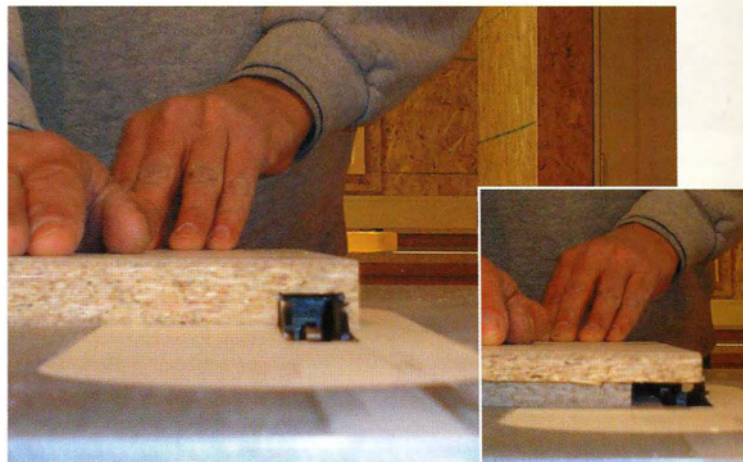


DADO LAYOUT



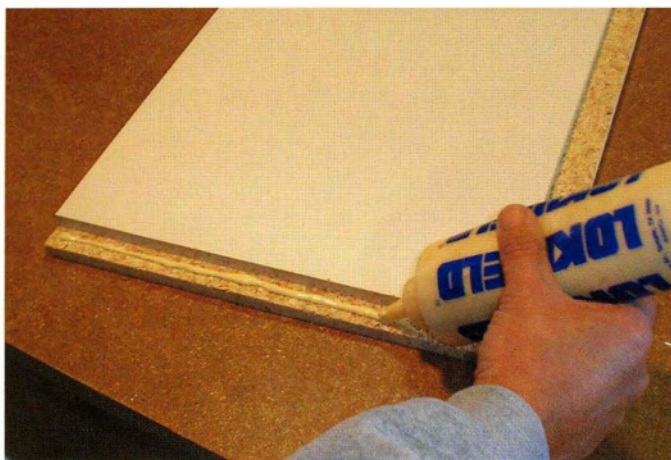
SIDE SECTIONAL





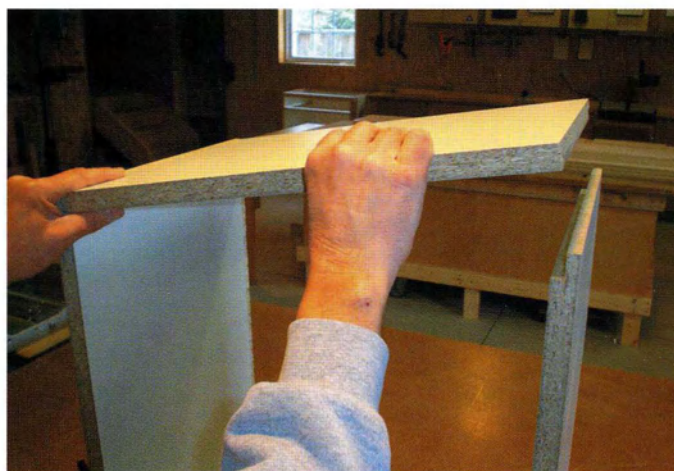
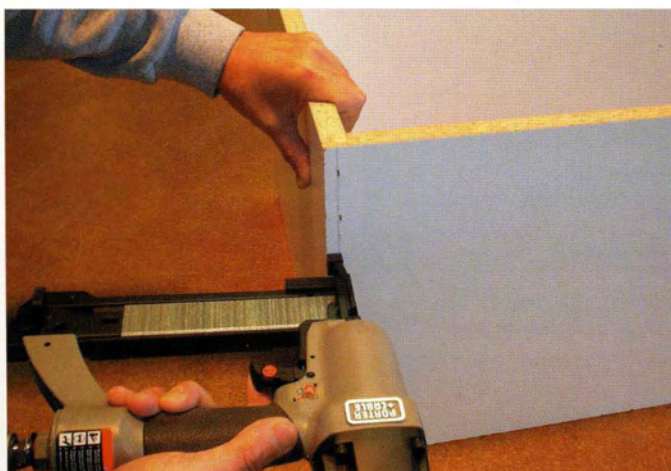
1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router set up on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to $23\frac{1}{4}$ " and cut the dados for the bottom and top panels first. See the illustration for layout details.

2 Cut the rabbets for the back panel in two passes. First, set the fence for 12" and then for $12\frac{1}{2}$ ".



3 When starting the assembly of the cabinets, have some wood glue, a brush and a damp cloth handy. Apply a bead of glue to the bottom panel dado of the right side and brush the glue evenly in the dado.

4 Stand the side face edge up and slide the top panel into the rabbet. Flush the face edges and nail through the side into the top panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 2-3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).

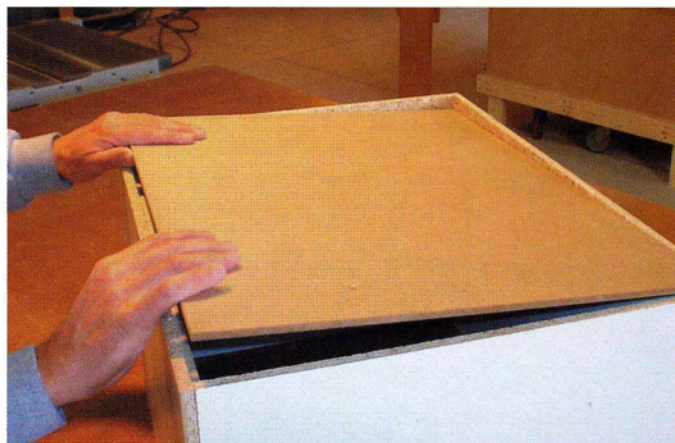


5 Attach the other side panel.

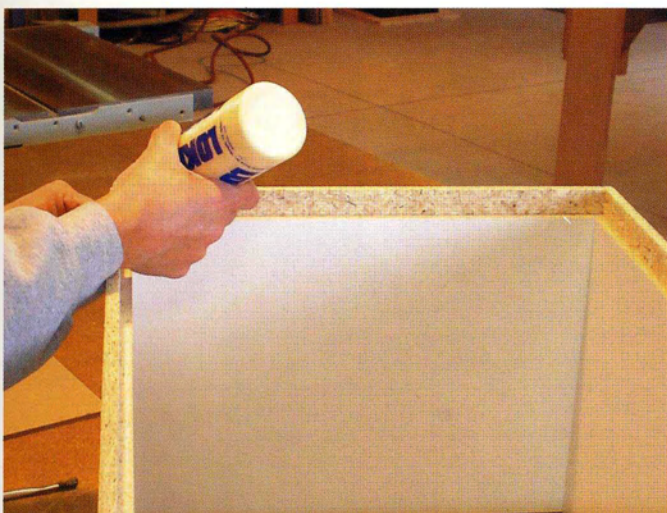
6 Drop the bottom in place and attach.



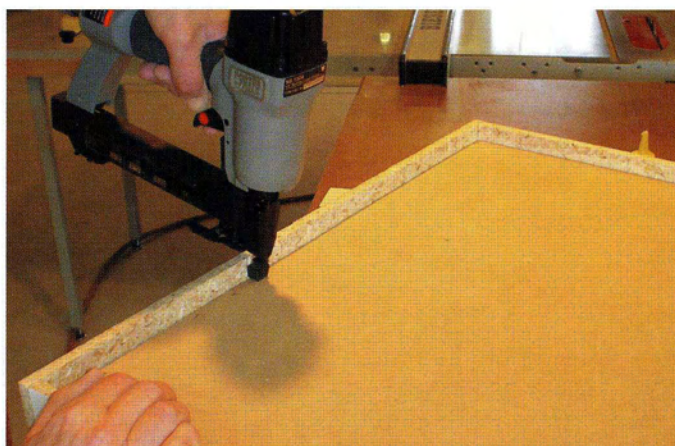
7 Use staples or screws to attach the bottom panel.



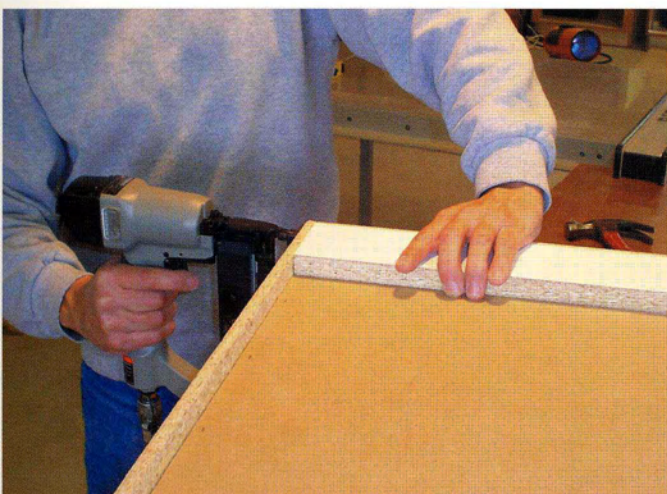
8 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. Square the cabinet by using a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



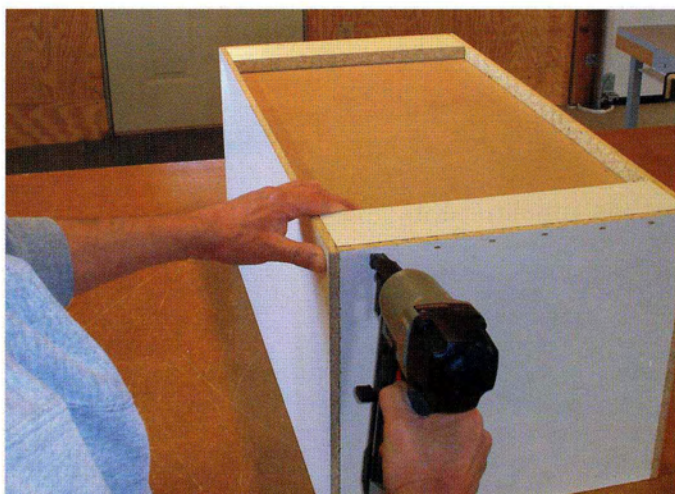
9 Add glue to the rabbets.



10 Check for squareness and attach the back.



11 Glue and staple or screw the bottom nailer in place on the back of the cabinet.



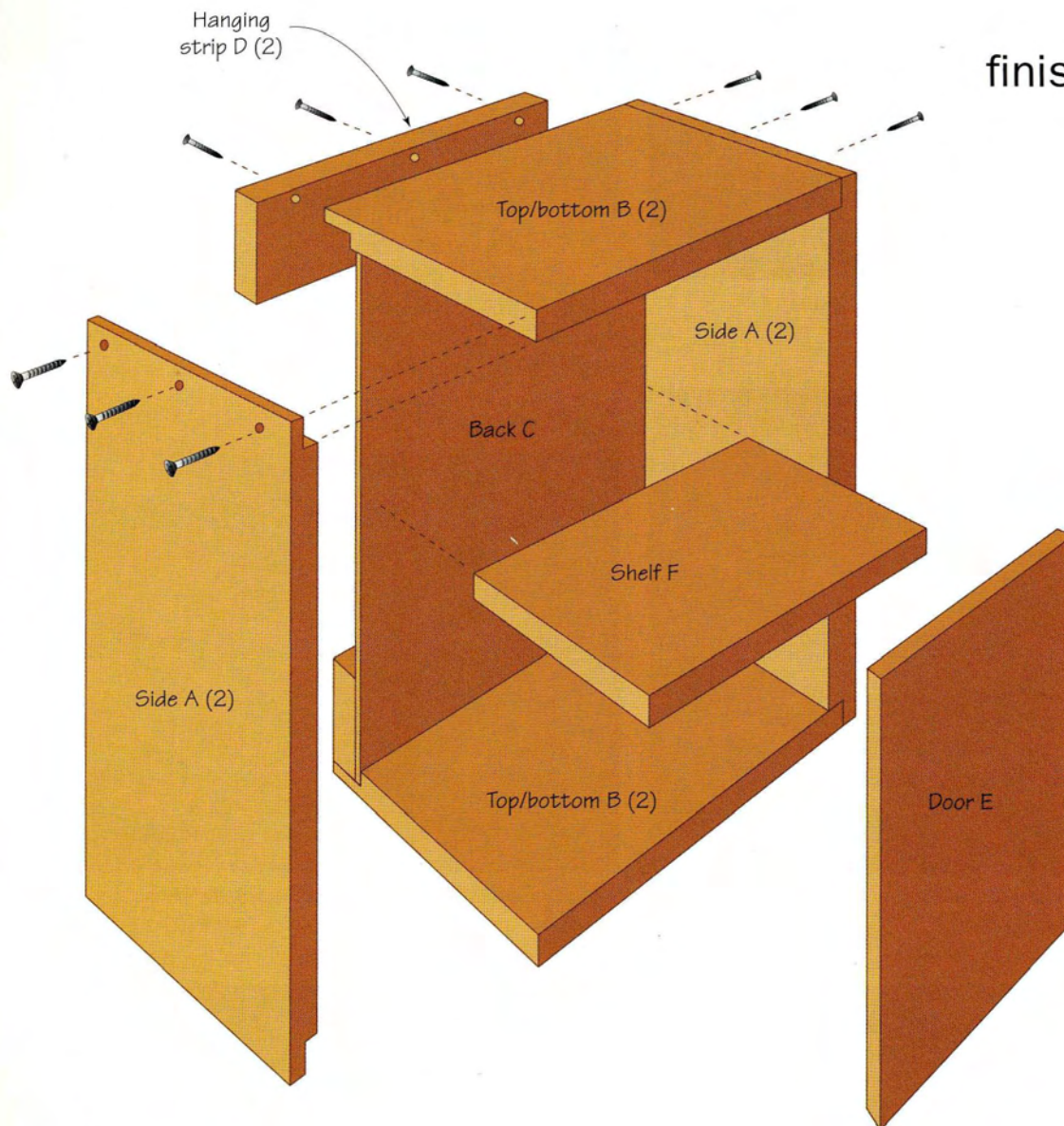
12 Attach the top nailer.

W1224**HARDWARE NEEDED:**

- 2 95°- opening European hinges
 4 shelf supports (pins), either 5mm or 1/4" hole size required
 1 handle or pull for the door

color

finish

**inches (millimeters)**

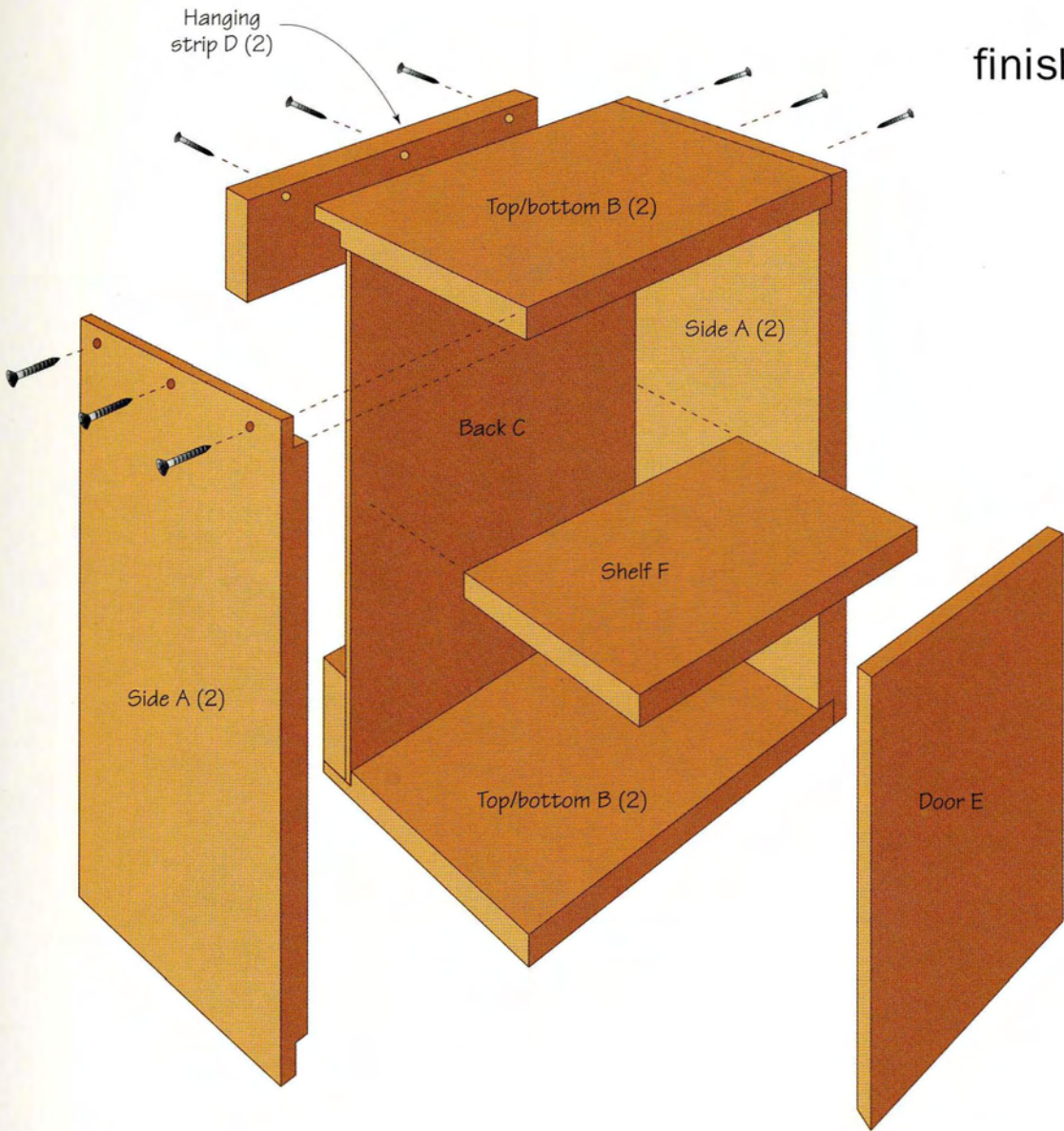
REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	13 (330)	24 (610)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4 (19)	13 (330)	11 1/4 (285)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4 (6)	11 1/4 (285)	23 1/4 (590)	
D	2	hanging strips	plywood	3/4 (19)	3 (76)	11 1/4 (285)	
E	1	door	plywood	3/4 (19)	11 1/4 (285)	23 1/4 (590)	
F	1	shelf	plywood	3/4 (19)	11 3/4 (298)	10 3/8 (264)	

HARDWARE NEEDED:

- 295°- opening European hinges
- 4shelf supports (pins), either 5mm or 1/4" hole size required
- 1handle or pull for the door

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	24	(610)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4	(19)	13	(330)	14 1/4	(362)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4	(6)	14 1/4	(362)	23 1/4	(590)	
D	2	hanging strips	plywood	3/4	(19)	3	(76)	14 1/4	(362)	
E	1	door	plywood	3/4	(19)	14 1/4	(362)	23 1/4	(590)	
F	1	shelf	plywood	3/4	(19)	11 3/4	(298)	13 3/8	(340)	

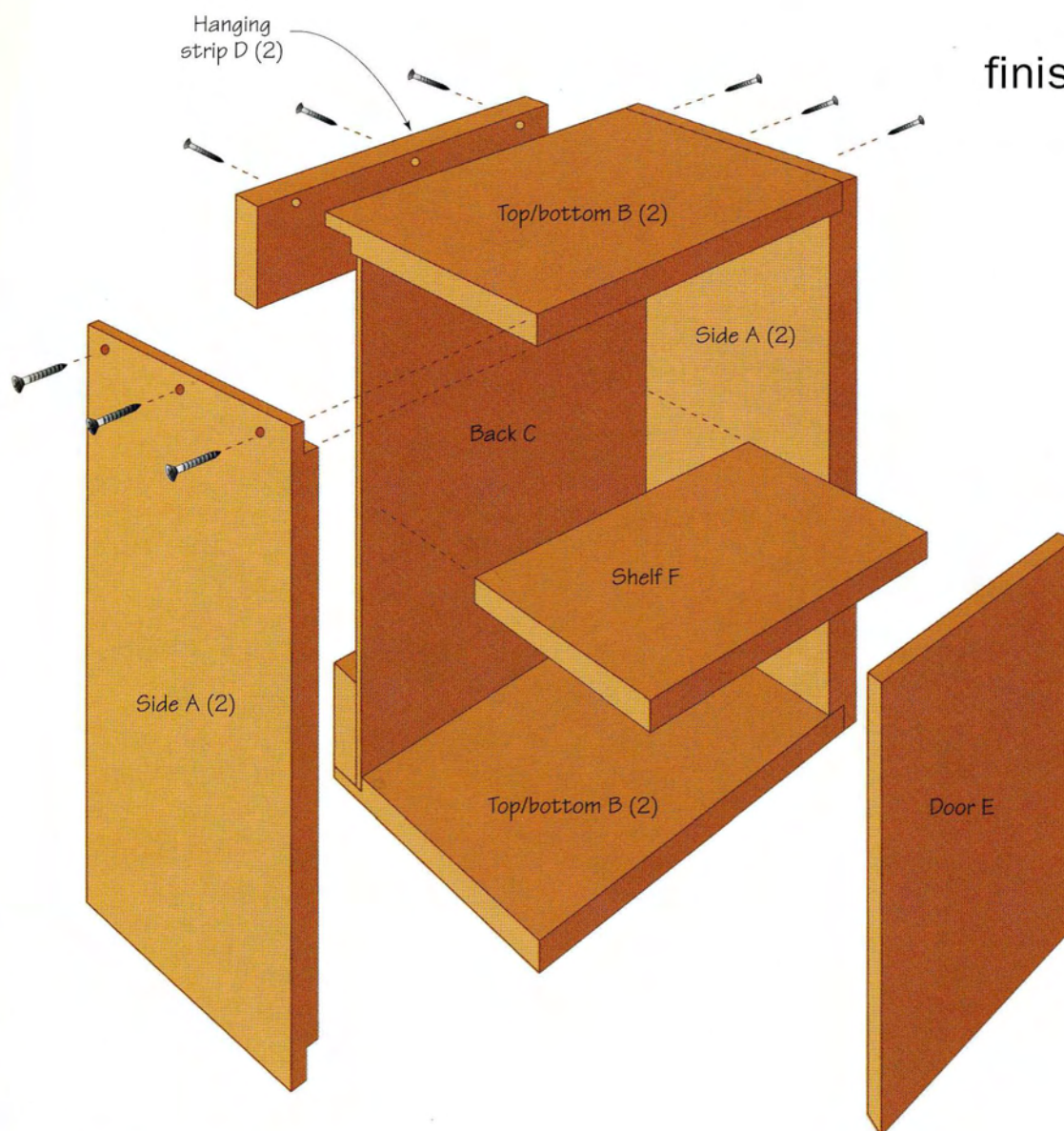
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	W1824		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 1 handle or pull for the door

color

finish



inches (millimeters)

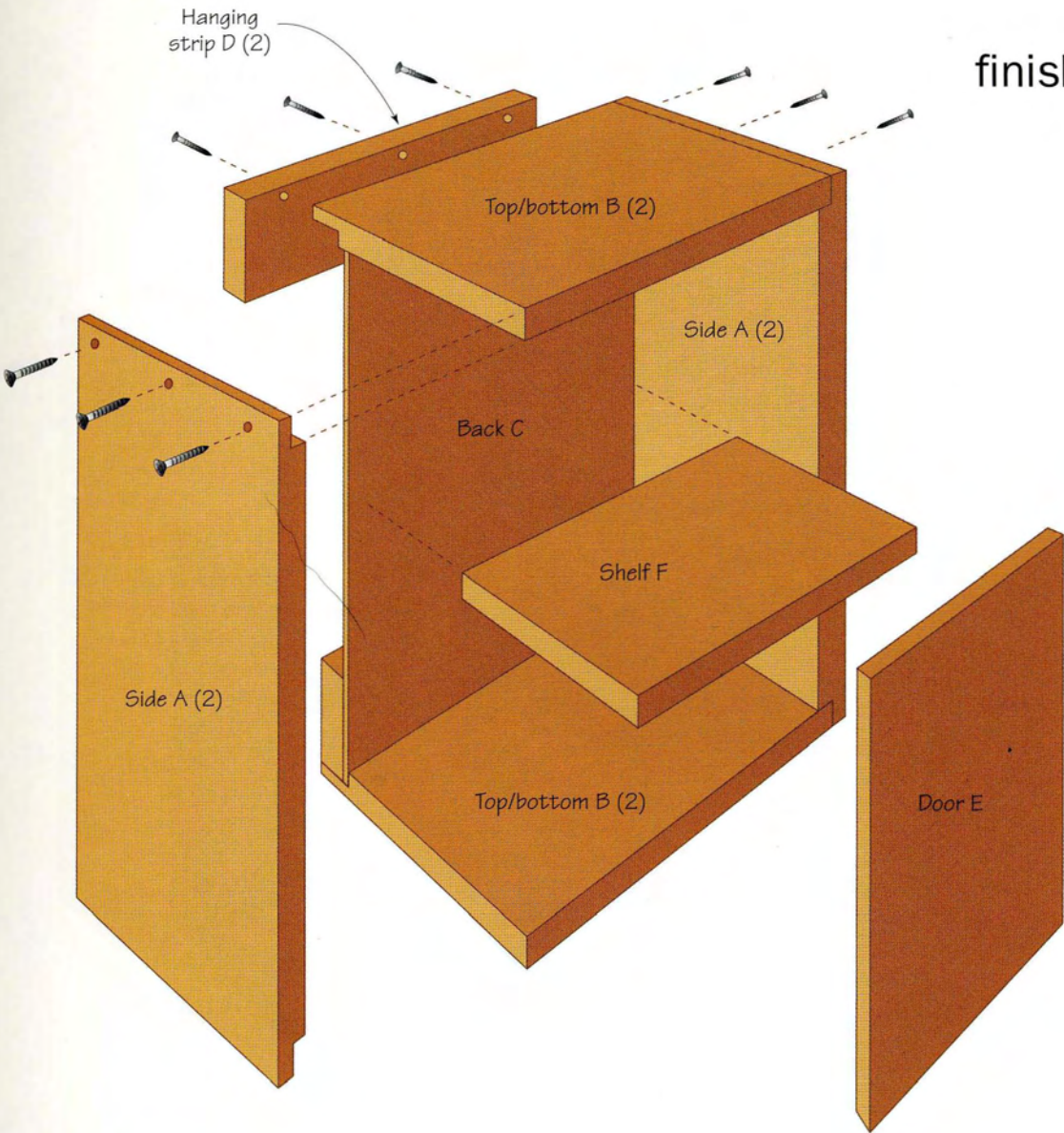
REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	13 (330)	24 (610)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4 (19)	13 (330)	17 1/4 (438)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4 (6)	17 1/4 (438)	23 1/4 (590)	
D	2	hanging strips	plywood	3/4 (19)	3 (76)	17 1/4 (438)	
E	1	door	plywood	3/4 (19)	17 1/4 (438)	23 1/4 (590)	
F	1	shelf	plywood	3/4 (19)	11 3/4 (298)	16 3/8 (416)	

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 1 handle or pull for the door

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	24	(610)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4	(19)	13	(330)	20 1/4	(514)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4	(6)	20 1/4	(514)	23 1/4	(590)	
D	2	hanging strips	plywood	3/4	(19)	3	(76)	20 1/4	(514)	
E	1	door	plywood	3/4	(19)	20 1/4	(514)	23 1/4	(590)	
F	1	shelf	plywood	3/4	(19)	11 3/4	(298)	19 3/8	(493)	

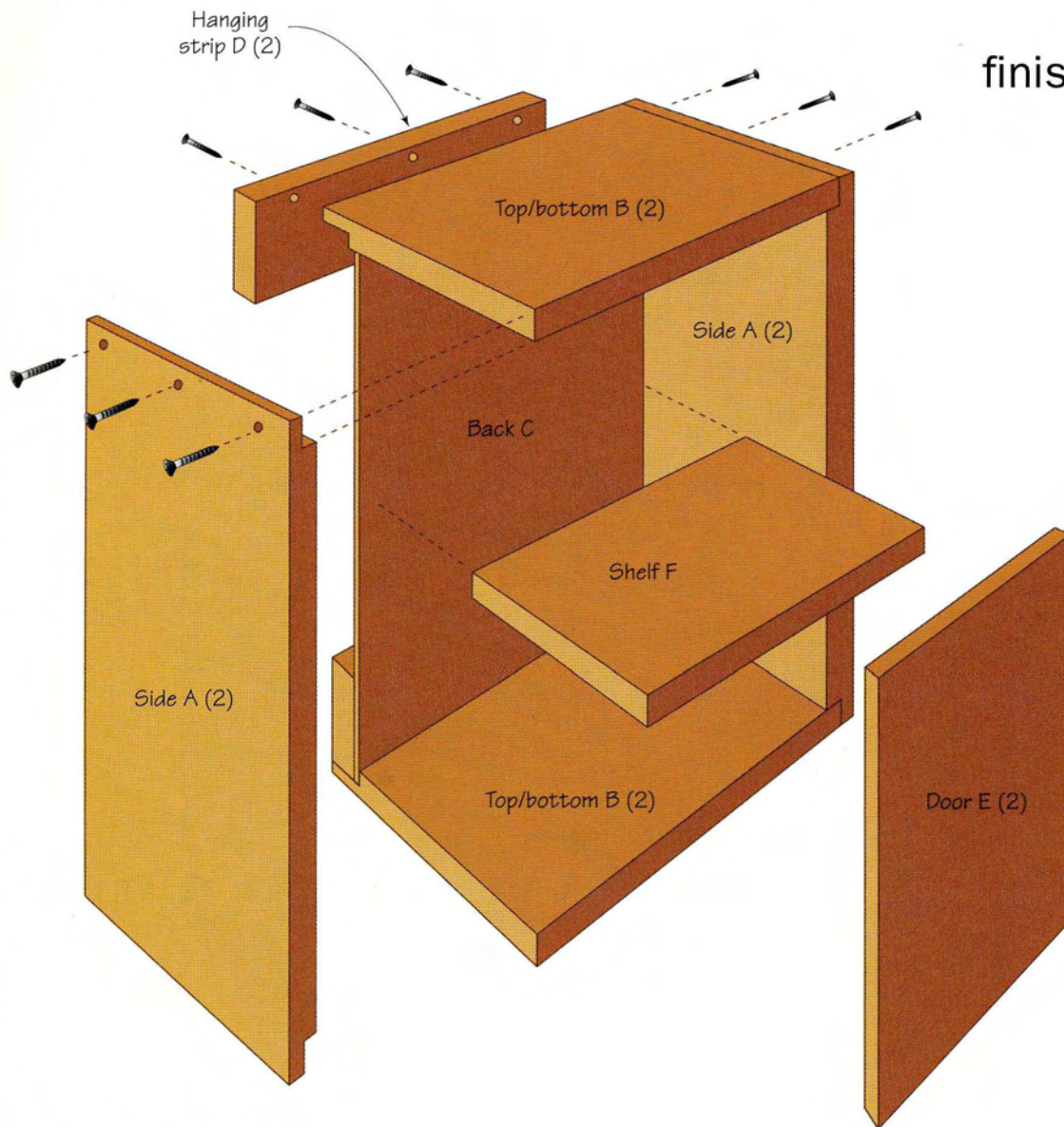
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	W2424		

HARDWARE NEEDED:

- 4 95°-opening European hinges
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish



inches (millimeters)

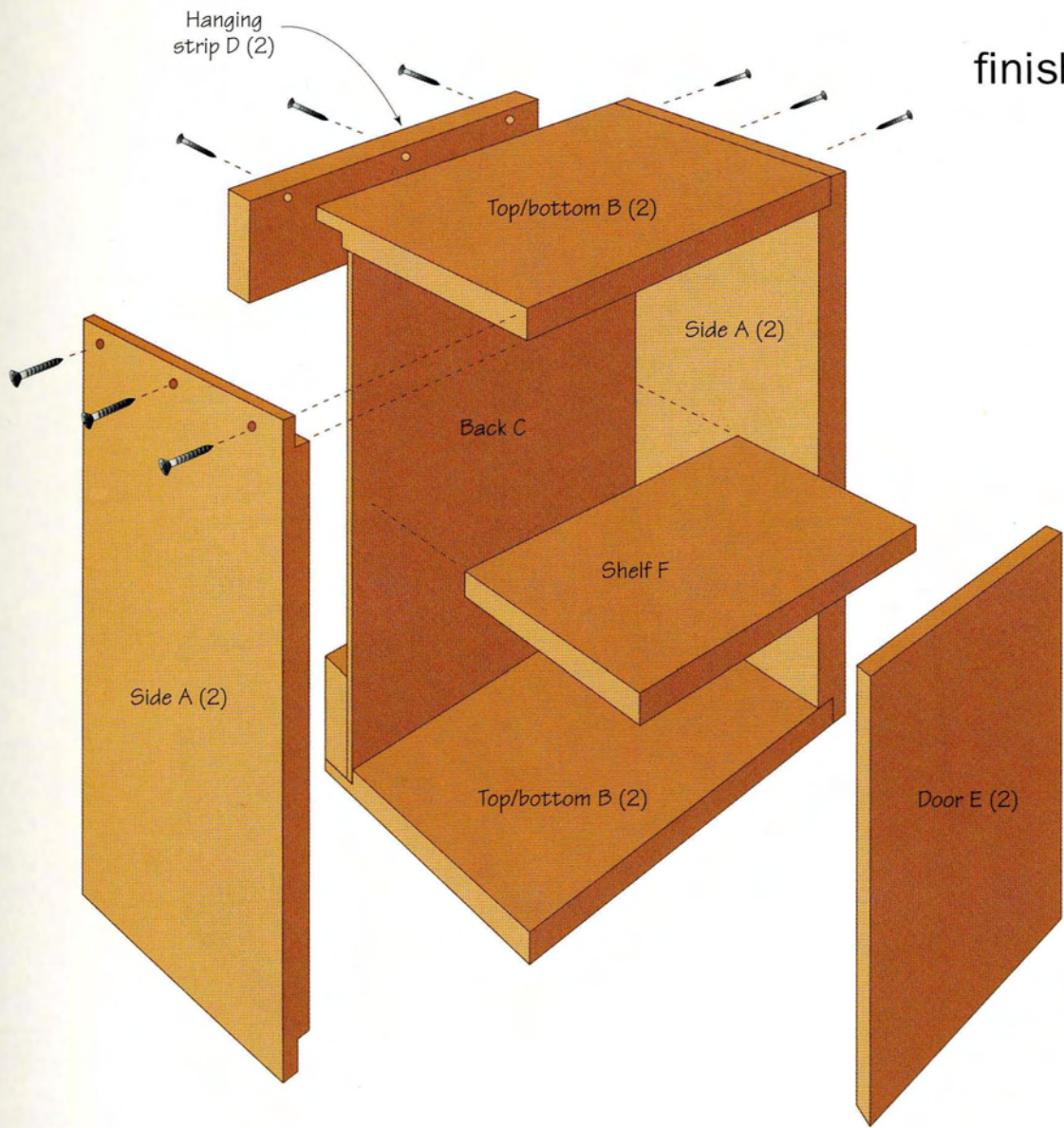
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	24	(610)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4	(19)	13	(330)	23 1/4	(590)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4	(6)	23 1/4	(590)	23 1/4	(590)	
D	2	hanging strips	plywood	3/4	(19)	3	(76)	23 1/4	(590)	
E	2	doors	plywood	3/4	(19)	11 9/16	(293)	23 1/4	(590)	
F	1	shelf	plywood	3/4	(19)	11 3/4	(298)	22 3/8	(569)	

HARDWARE NEEDED:

- 4
- 95°- opening European hinges
- 4
- shelf supports (pins), either 5mm or 1/4" hole size required
- 2
- handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	13 (330)	24 (610)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4 (19)	13 (330)	26 1/4 (666)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4 (6)	26 1/4 (666)	23 1/4 (590)	
D	2	hanging strips	plywood	3/4 (19)	3 (76)	26 1/4 (666)	
E	2	doors	plywood	3/4 (19)	13 1/16 (332)	23 1/4 (590)	
F	1	shelf	plywood	3/4 (19)	11 3/4 (298)	25 3/8 (645)	

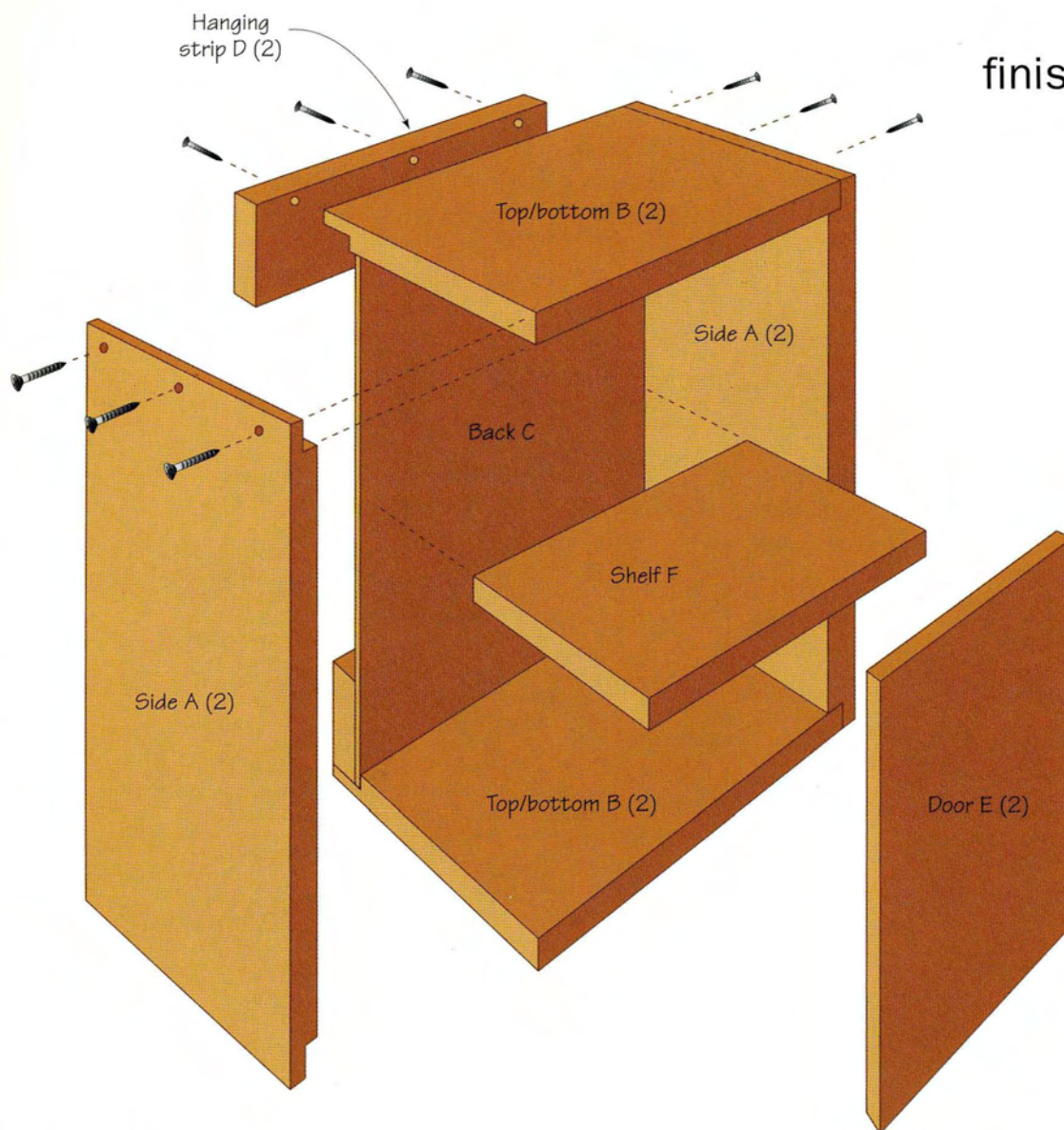
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	W3024		

HARDWARE NEEDED:

- 4 95°- opening European hinges
- 4 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish



inches (millimeters)

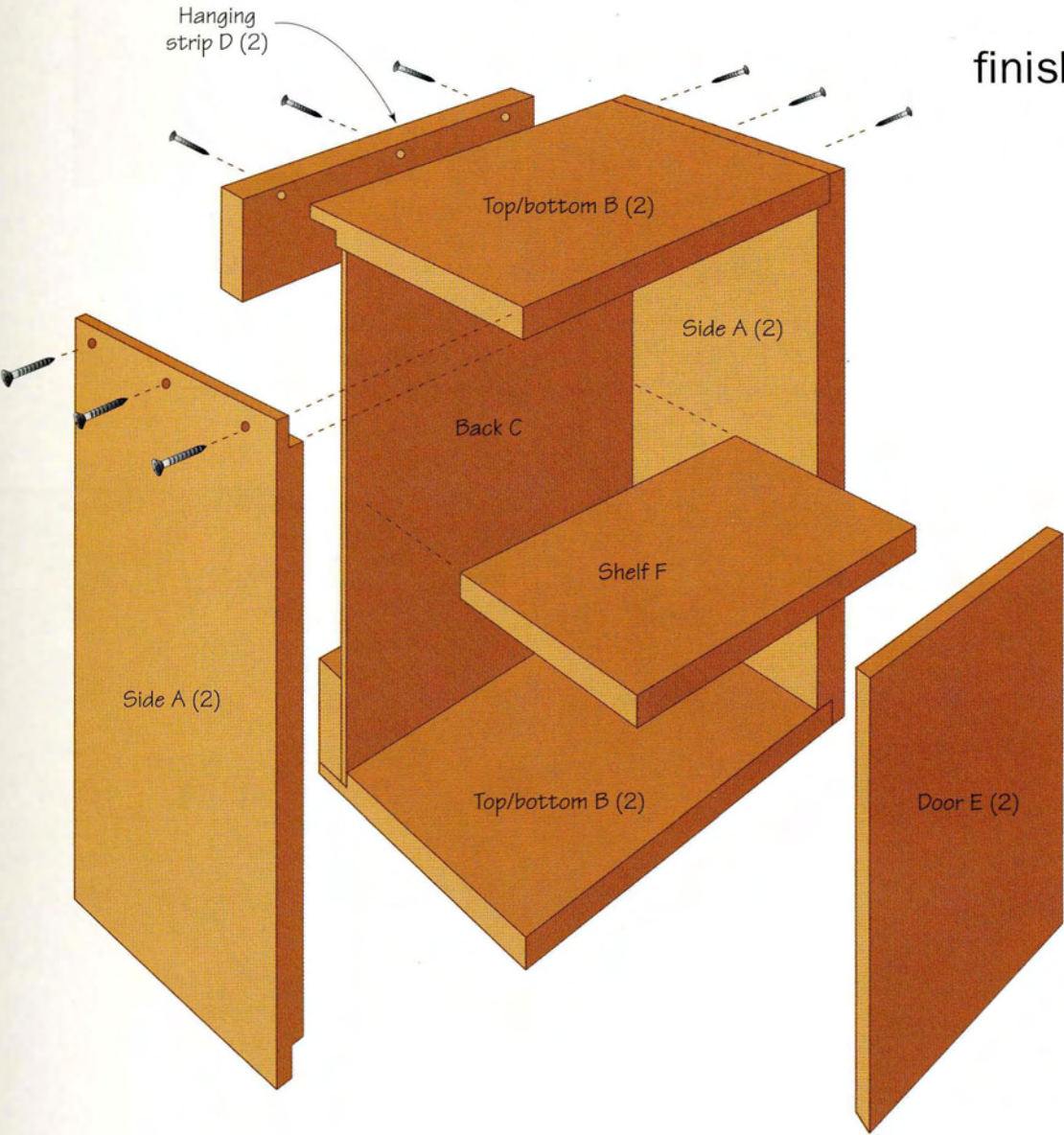
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	24	(610)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4	(19)	13	(330)	29 1/4	(743)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4	(6)	29 1/4	(743)	23 1/4	(590)	
D	2	hanging strips	plywood	3/4	(19)	3	(76)	29 1/4	(743)	
E	2	doors	plywood	3/4	(19)	14 9/16	(370)	23 1/4	(590)	
F	1	shelf	plywood	3/4	(19)	11 3/4	(298)	28 3/8	(721)	

HARDWARE NEEDED:

- 4
- 95°- opening European hinges
- 4
- shelf supports (pins), either 5mm or 1/4" hole size required
- 2
- handles or pulls for the doors

color

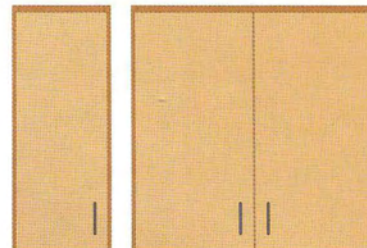
finish



inches (millimeters)

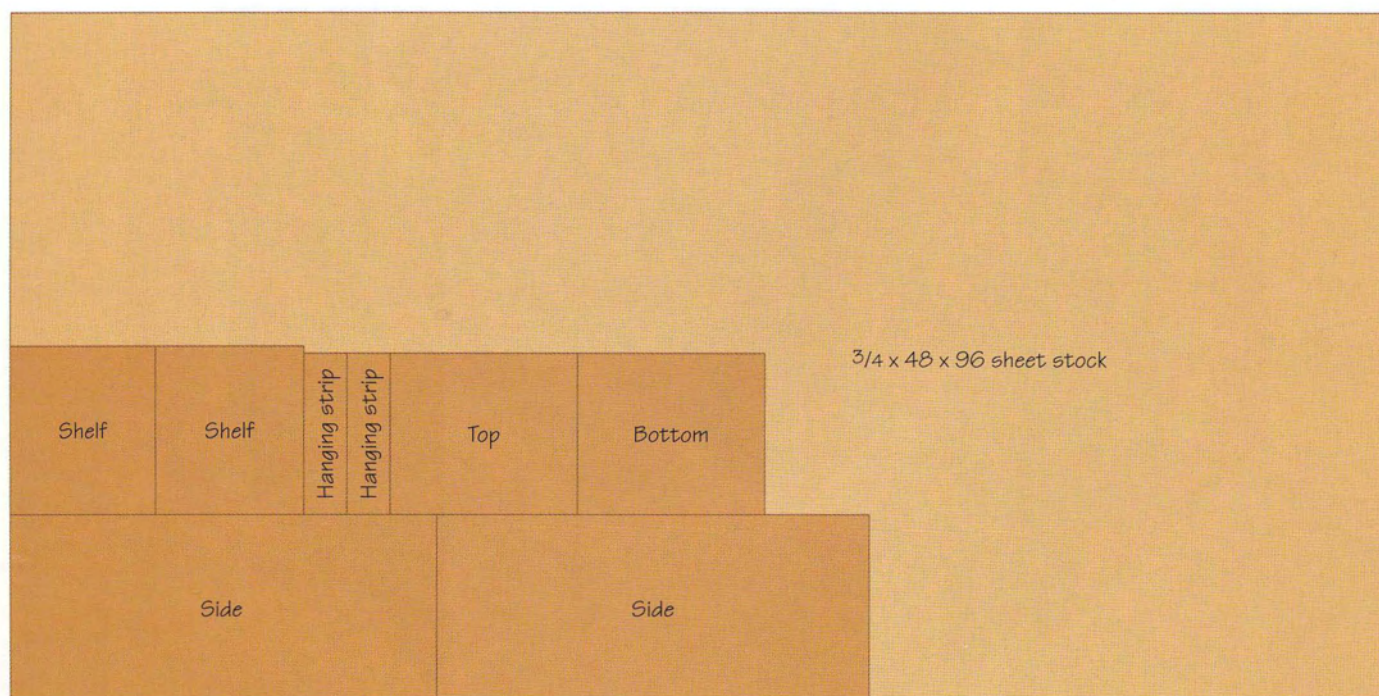
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	13 (330)	24 (610)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4 (19)	13 (330)	WX-3/4 (-19)	WX = width of cabinet, cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4 (6)	WX-3/4 (-19)	23 1/4 (590)	
D	2	hanging strips	plywood	3/4 (19)	3 (76)	WX-3/4 (-19)	
E	1	door	plywood	3/4 (19)	WX-3/4 (-19)	23 1/4 (590)	if two doors WX-7/8÷2 (-22÷2)
F	1	shelf	plywood	3/4 (19)	11 3/4 (298)	WX-1 5/8 (-41)	

30"-tall wall cabinets

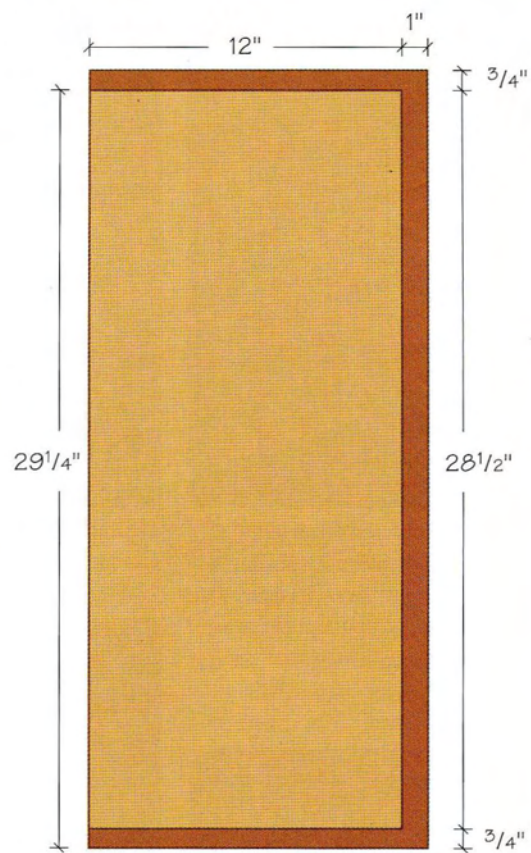


OPTIMIZATION OF PARTS

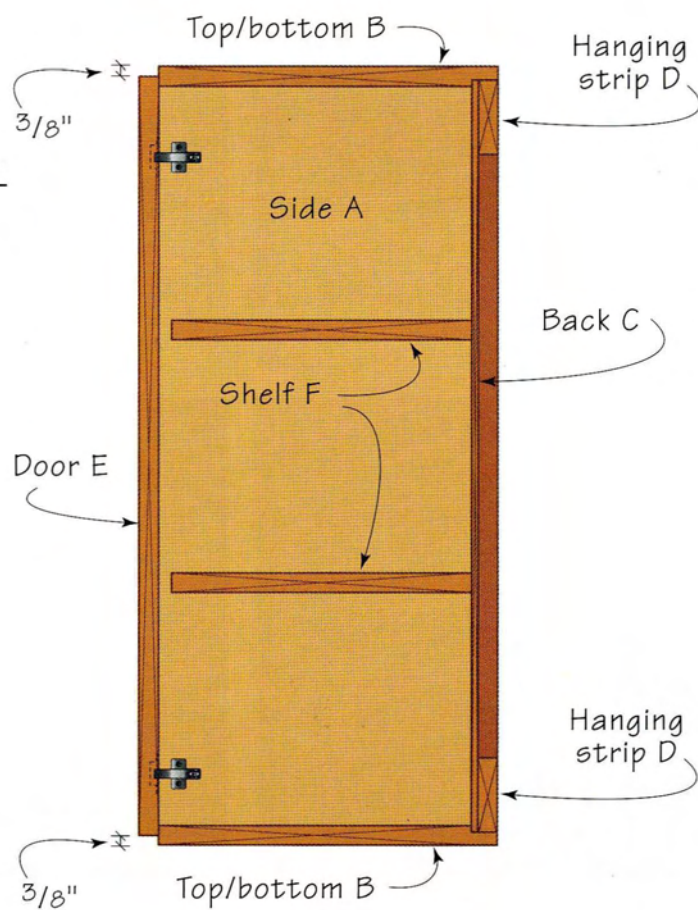
This optimization drawing is for a 12"-wide by 30"-tall wall cabinet. The layout of the parts will be similar for all sizes of 30"-tall wall cabinets. Widths of some parts will be increased.



DADO LAYOUT

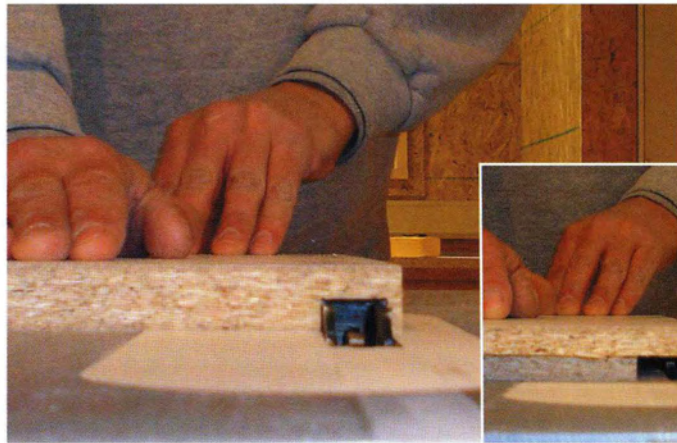


SIDE SECTIONAL





1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router set up on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to $29\frac{1}{4}$ " and cut the dados for the bottom and top panels first. See the illustration for layout details.



2 Cut the rabbets for the back panel in two passes. First, set the fence for 12" and then for $12\frac{1}{2}$ ".



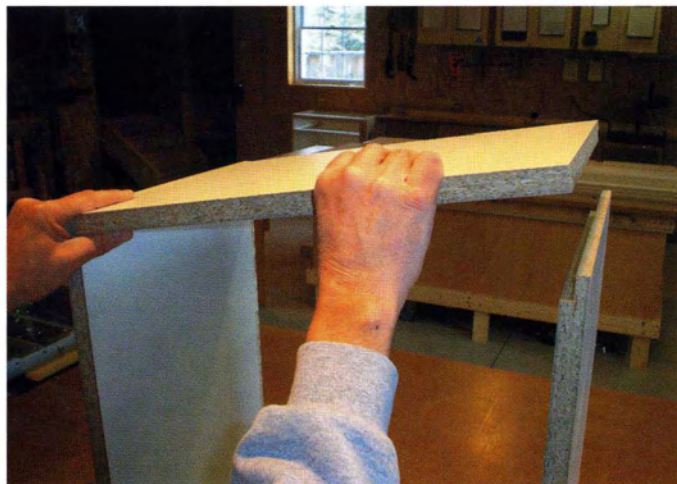
3 When starting the assembly of the cabinets, have some wood glue, a brush and a damp cloth handy. Apply a bead of glue to the bottom panel dado of the right side and brush the glue evenly in the dado.



4 Stand the side face edge up and slide the top panel into the rabbet. Flush the face edges and nail through the side into the top panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 2-3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



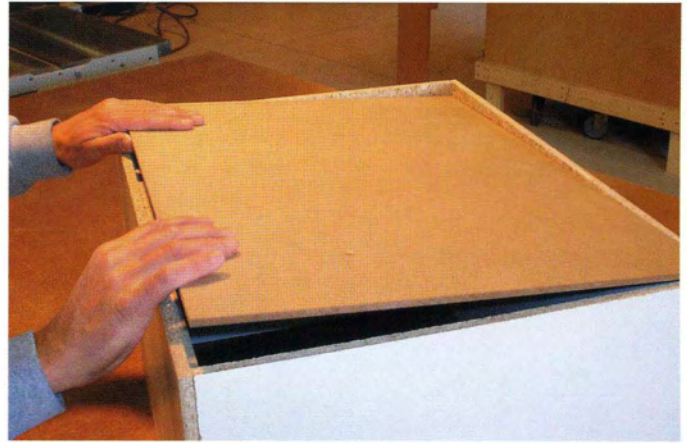
5 Attach the other side panel.



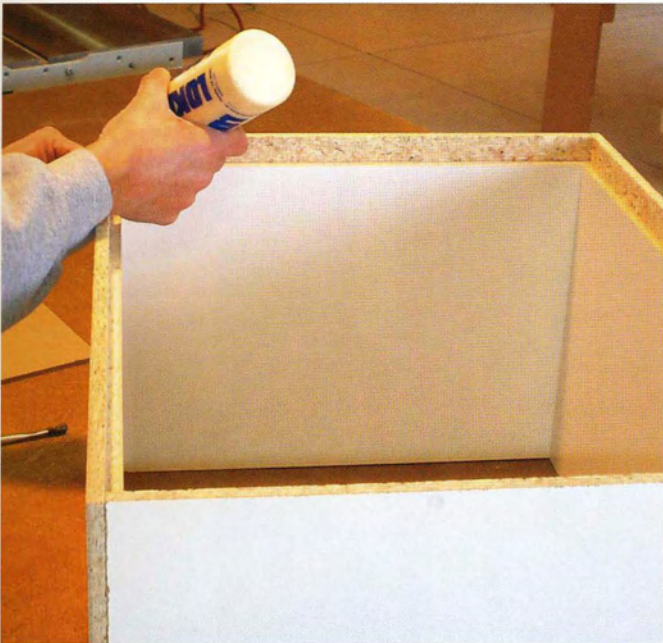
6 Drop the bottom in place and attach.



7 Use staples or screws to attach the bottom panel.



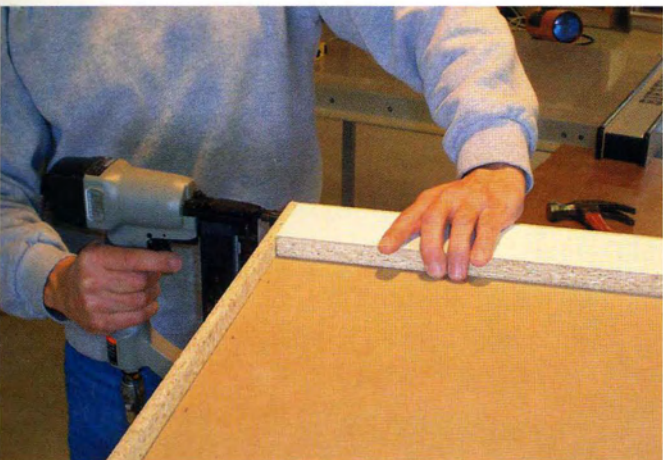
8 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



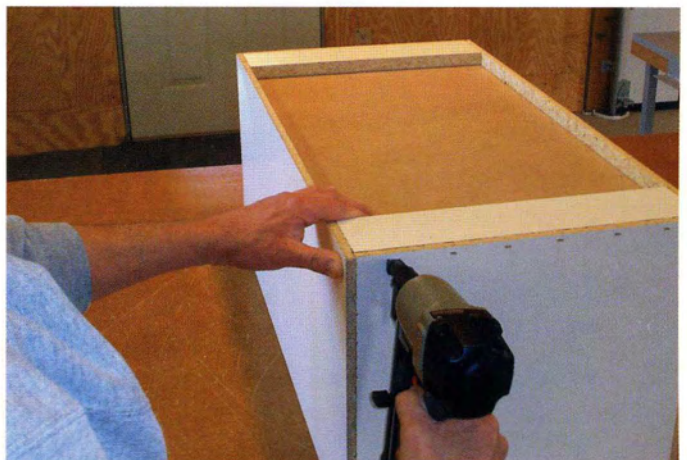
9 Add glue to the rabbets.



10 Check for squareness and attach the back.



11 Glue and staple or screw the bottom nailer in place on the back of the cabinet.



12 Attach the top nailer.

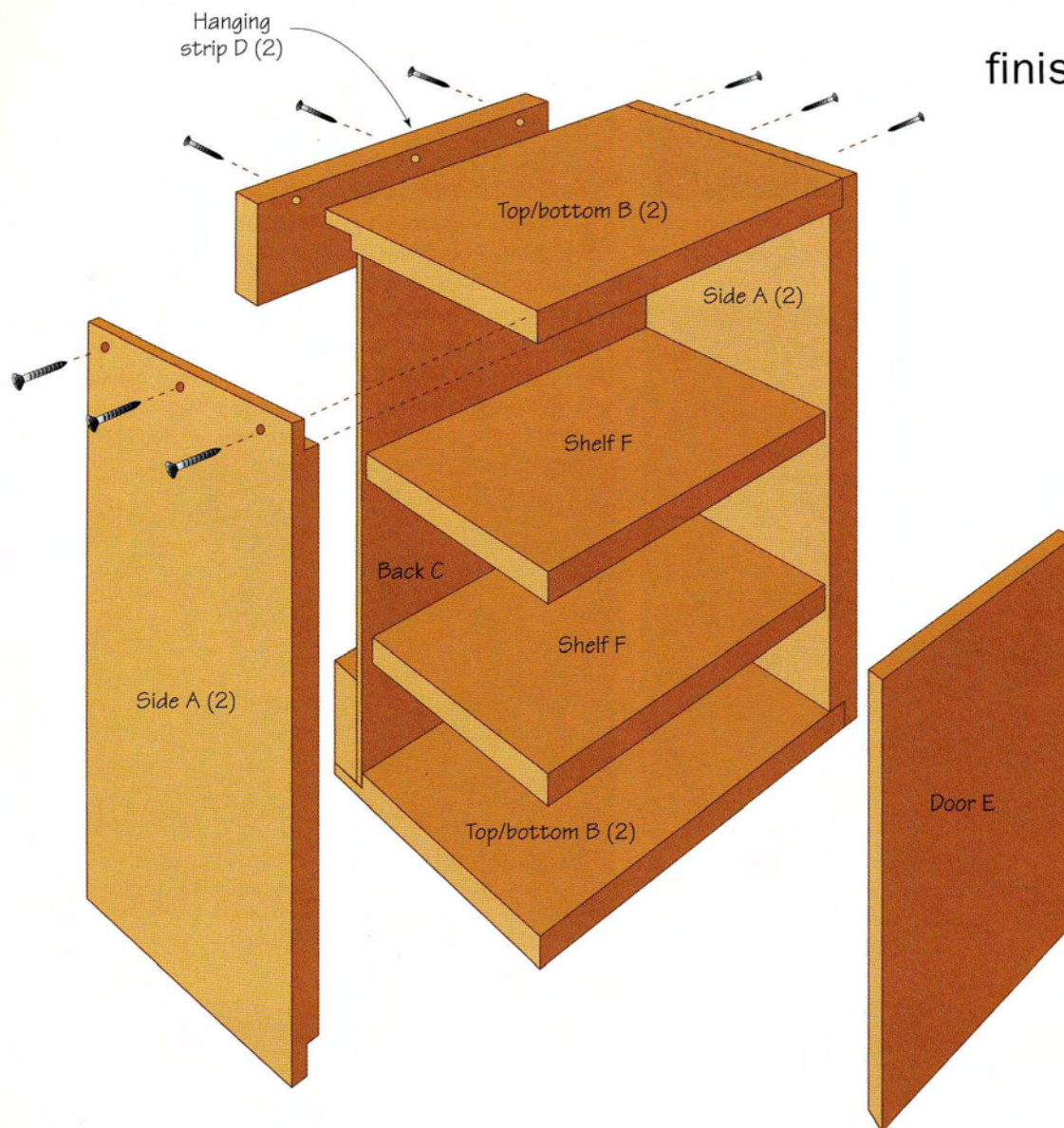
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	W1230		

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 1 handle or pull for the door

color

finish



inches (millimeters)

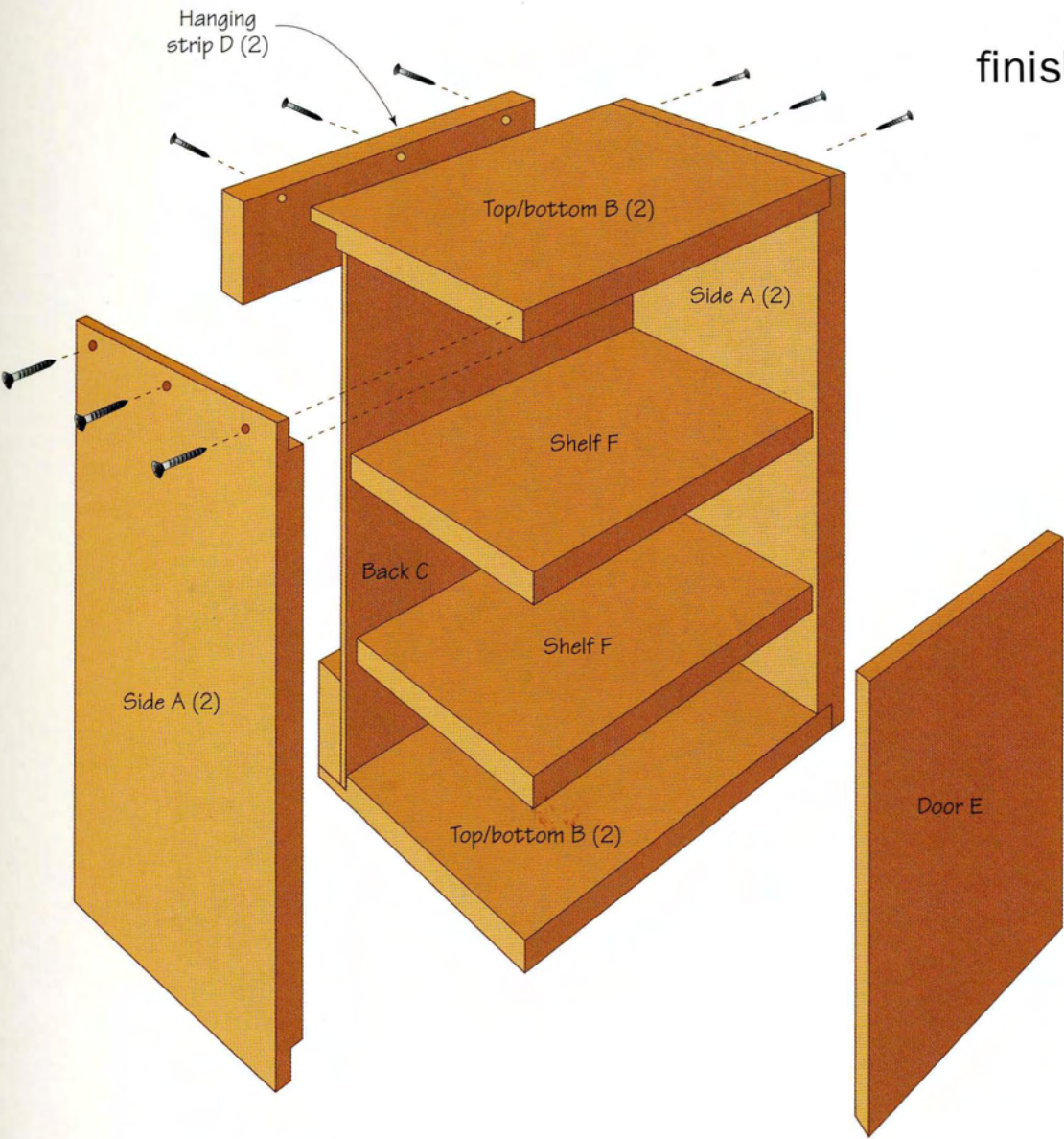
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	30	(762)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4	(19)	13	(330)	11 1/4	(285)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4	(6)	11 1/4	(285)	29 1/4	(743)	
D	2	hanging strips	plywood	3/4	(19)	3	(76)	11 1/4	(285)	
E	1	door	plywood	3/4	(19)	11 1/4	(285)	29 1/4	(743)	
F	2	shelves	plywood	3/4	(19)	11 3/4	(298)	10 3/8	(264)	

HARDWARE NEEDED:

- 2 95°- opening European hinges
- 8 shelf supports (pins), either 5mm or 1/4" hole size required
- 1 handle or pull for the door

color

finish



inches (millimeters)

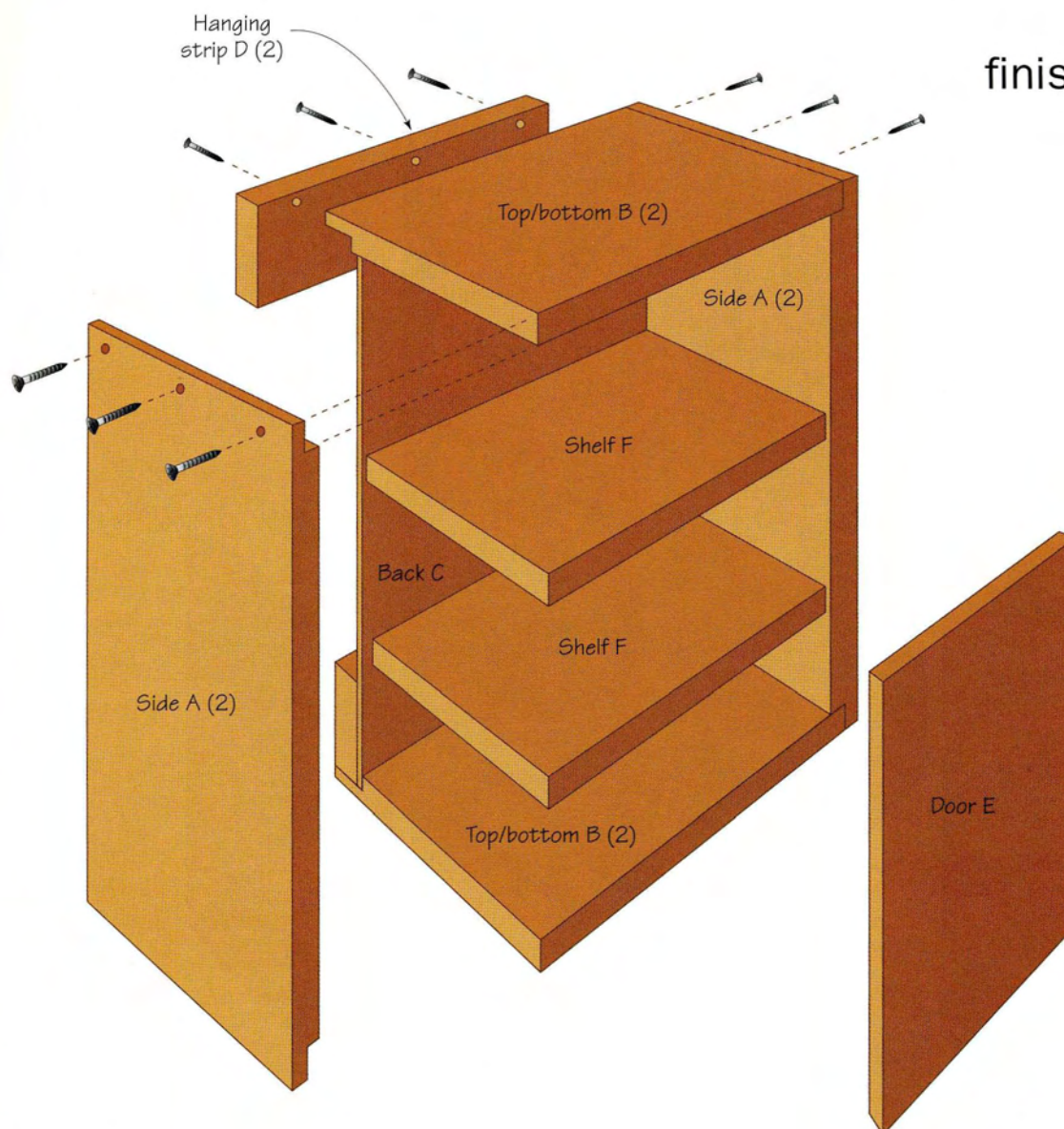
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	30	(762)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4	(19)	13	(330)	14 1/4	(362)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4	(6)	14 1/4	(362)	29 1/4	(743)	
D	2	hanging strips	plywood	3/4	(19)	3	(76)	14 1/4	(362)	
E	1	door	plywood	3/4	(19)	14 1/4	(362)	29 1/4	(743)	
F	2	shelves	plywood	3/4	(19)	11 3/4	(298)	13 3/8	(340)	

W1830**HARDWARE NEEDED:**

- 2 95°- opening European hinges
 8 shelf supports (pins), either 5mm or 1/4" hole size required
 1 handle or pull for the door

color

finish

**inches (millimeters)**

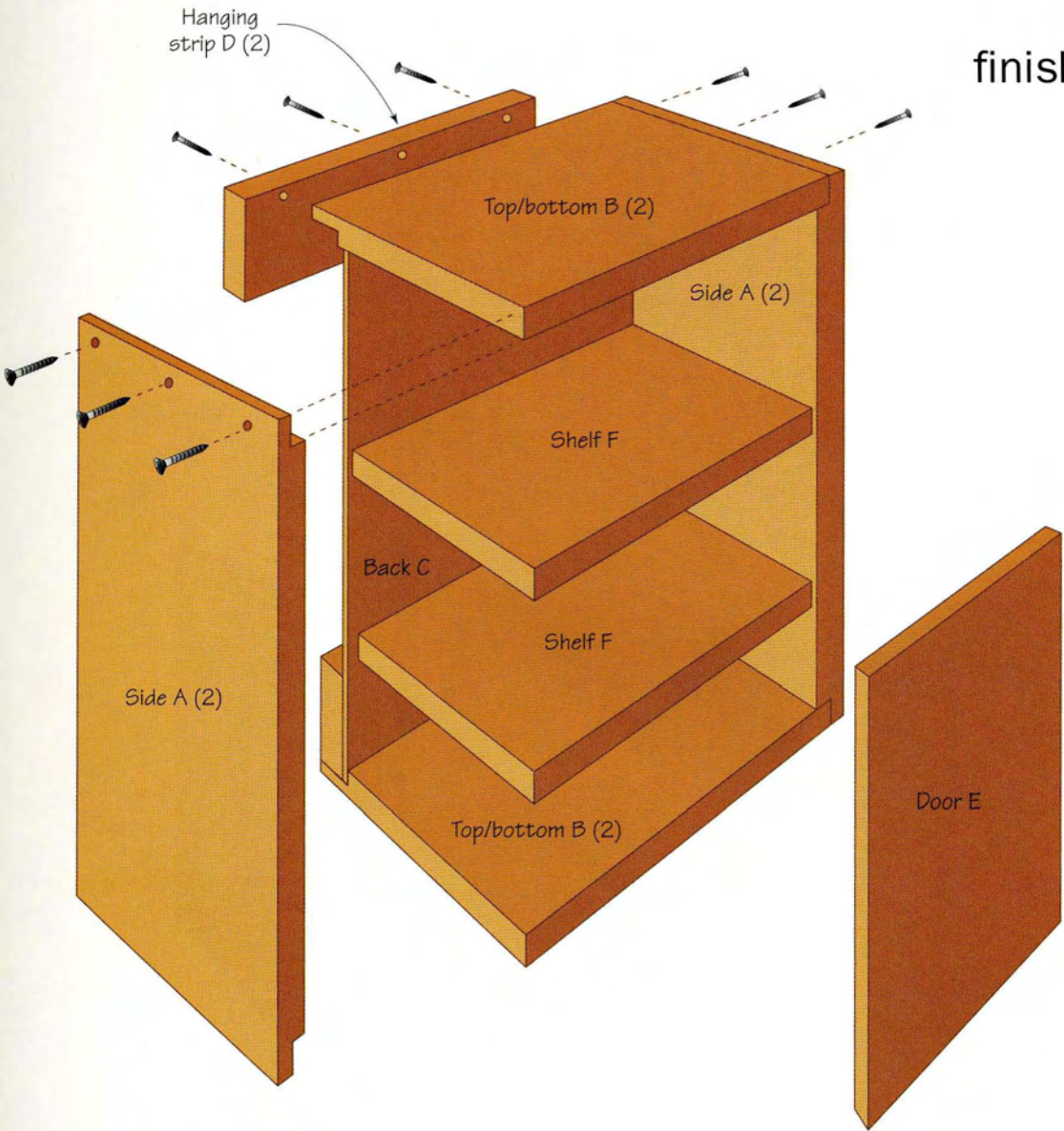
REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	13 (330)	30 (762)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4 (19)	13 (330)	17 1/4 (438)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4 (6)	17 1/4 (438)	29 1/4 (743)	
D	2	hanging strips	plywood	3/4 (19)	3 (76)	17 1/4 (438)	
E	1	door	plywood	3/4 (19)	17 1/4 (438)	29 1/4 (743)	
F	2	shelves	plywood	3/4 (19)	11 3/4 (298)	16 3/8 (416)	

HARDWARE NEEDED:

- 295°- opening European hinges
- 8shelf supports (pins), either 5mm or 1/4" hole size required
- 1handle or pull for the door

color

finish



inches (millimeters)

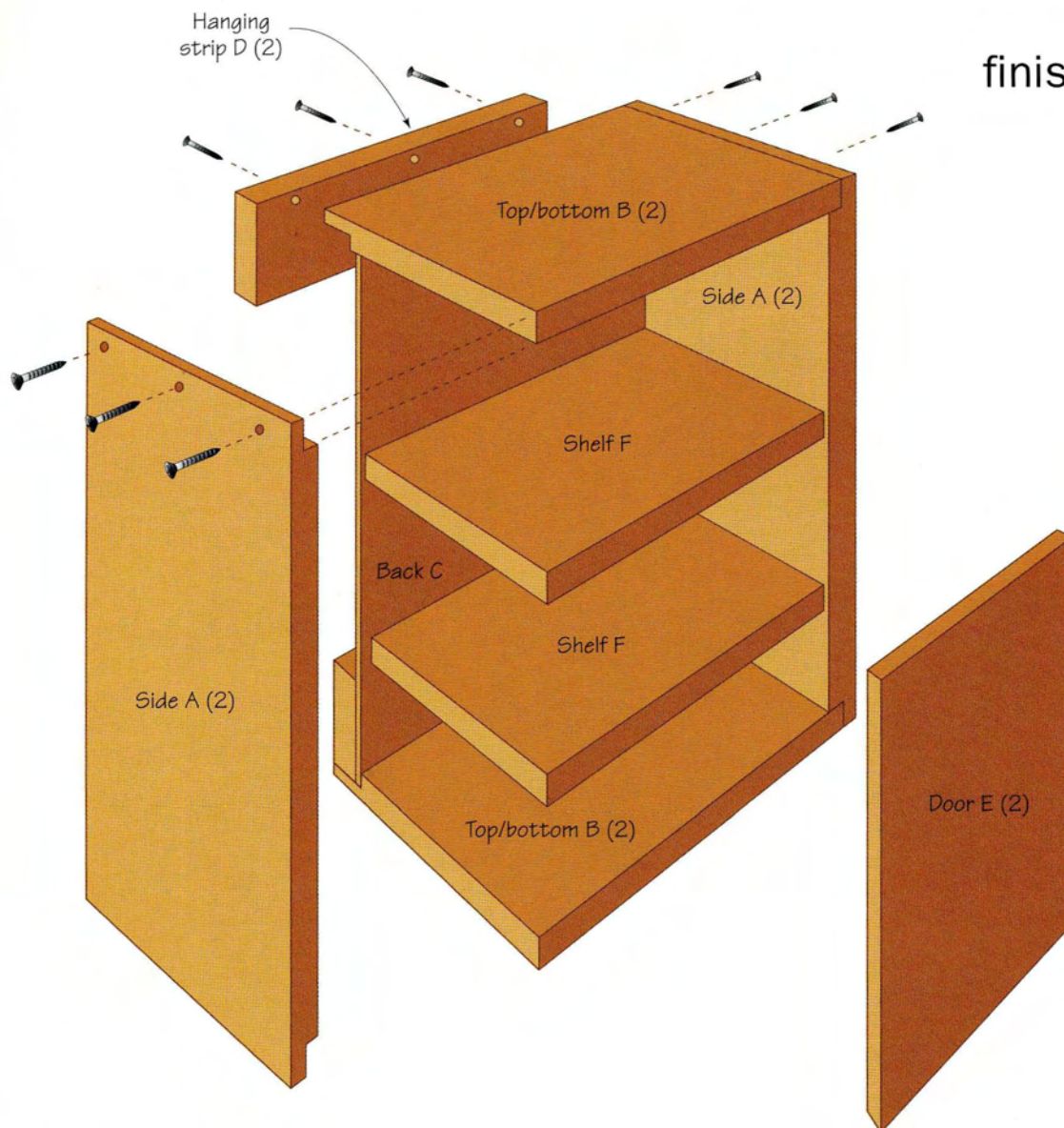
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	13 (330)	30 (762)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4 (19)	13 (330)	20 1/4 (514)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4 (6)	20 1/4 (514)	29 1/4 (743)	
D	2	hanging strips	plywood	3/4 (19)	3 (76)	20 1/4 (514)	
E	1	door	plywood	3/4 (19)	20 1/4 (514)	29 1/4 (743)	
F	2	shelves	plywood	3/4 (19)	11 3/4 (298)	19 3/8 (493)	

W2430**HARDWARE NEEDED:**

- 4 95°- opening European hinges
 8 shelf supports (pins), either 5mm or 1/4" hole size required
 2 handles or pulls for the doors

color

finish



inches (millimeters)

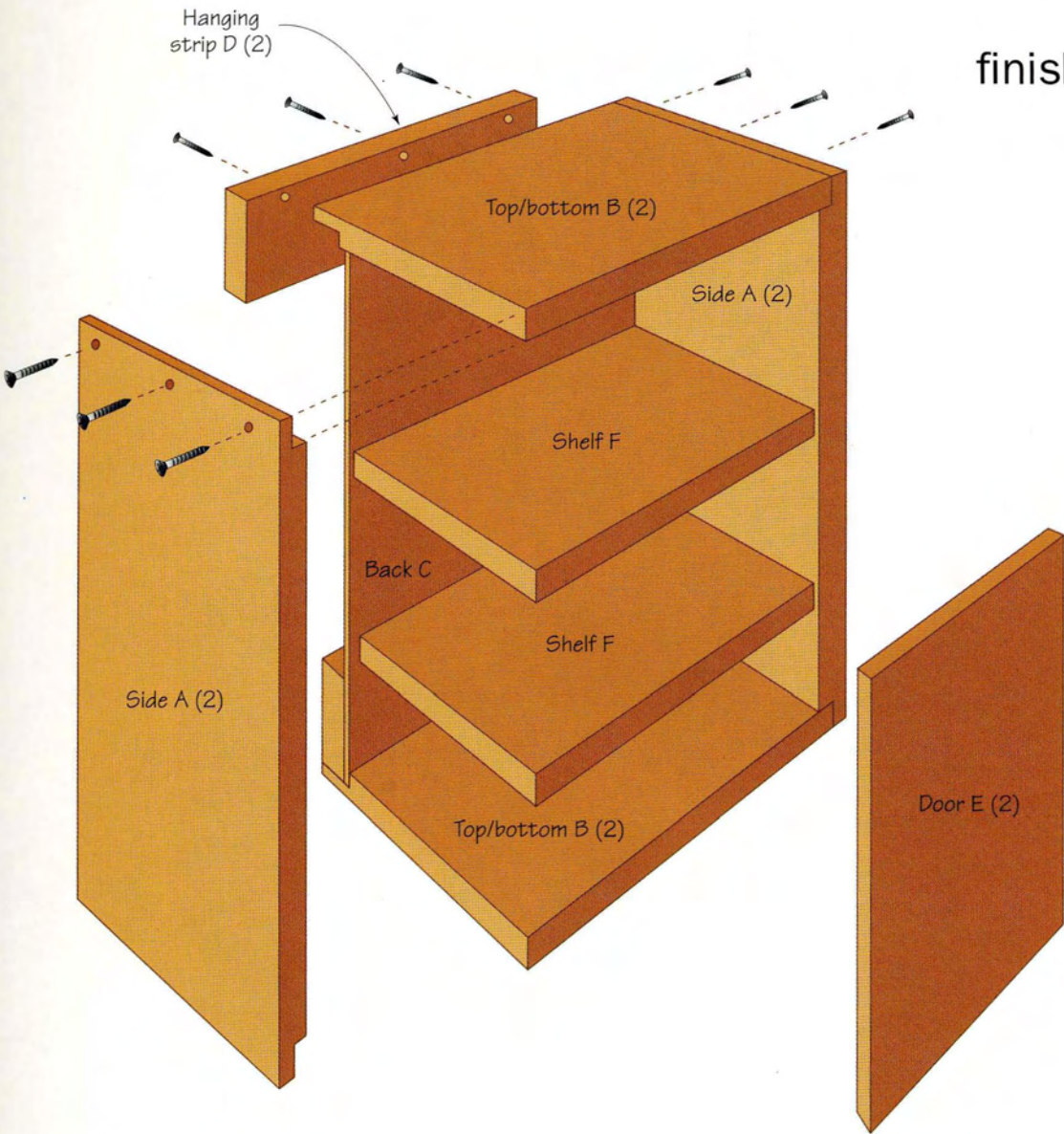
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	30	(762)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4	(19)	13	(330)	23 1/4	(590)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4	(6)	23 1/4	(590)	29 1/4	(743)	
D	2	hanging strips	plywood	3/4	(19)	3	(76)	23 1/4	(590)	
E	2	doors	plywood	3/4	(19)	11 9/16	(293)	29 1/4	(743)	
F	2	shelves	plywood	3/4	(19)	11 3/4	(298)	22 3/8	(569)	

HARDWARE NEEDED:

- 4
- 95°- opening European hinges
- 8
- shelf supports (pins), either 5mm or 1/4" hole size required
- 2
- handles or pulls for the doors

color

finish



inches (millimeters)

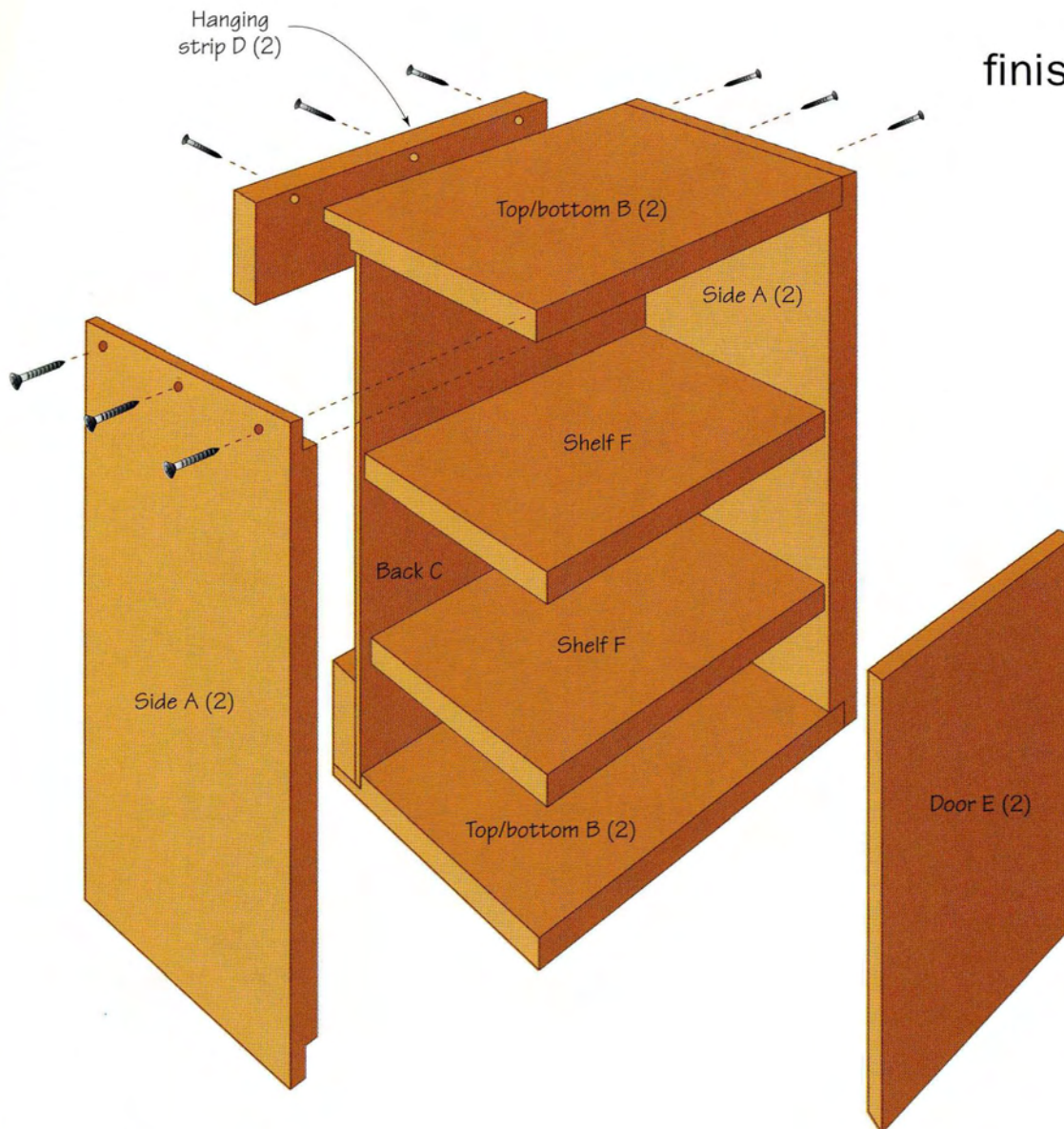
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	13 (330)	30 (762)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4 (19)	13 (330)	26 1/4 (666)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4 (6)	26 1/4 (666)	29 1/4 (743)	
D	2	hanging strips	plywood	3/4 (19)	3 (76)	26 1/4 (666)	
E	2	doors	plywood	3/4 (19)	13 1/16 (332)	29 1/4 (743)	
F	2	shelves	plywood	3/4 (19)	11 3/4 (298)	25 3/8 (645)	

W3030**HARDWARE NEEDED:**

- 4 95°- opening European hinges
 8 shelf supports (pins), either 5mm or 1/4" hole size required
 2 handles or pulls for the doors

color

finish

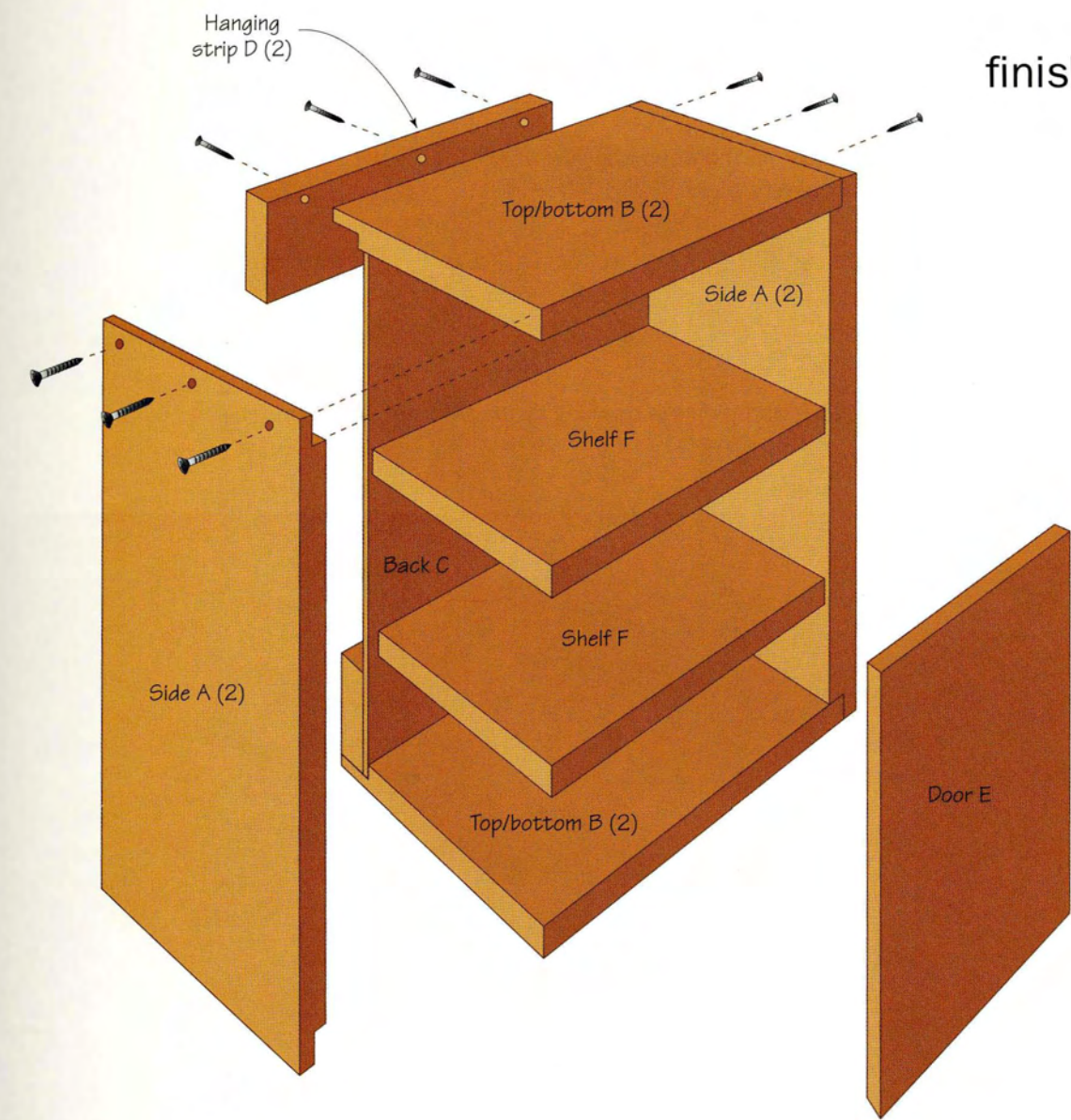
**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	13 (330)	30 (762)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4 (19)	13 (330)	29 1/4 (743)	cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4 (6)	29 1/4 (743)	29 1/4 (743)	
D	2	hanging strips	plywood	3/4 (19)	3 (76)	29 1/4 (743)	
E	2	doors	plywood	3/4 (19)	14 9/16 (370)	29 1/4 (743)	
F	2	shelves	plywood	3/4 (19)	11 3/4 (298)	28 3/8 (721)	

- HARDWARE NEEDED:**
- 4 95°- opening European hinges
 - 8 shelf supports (pins), either 5mm or 1/4" hole size required
 - 2 handles or pulls for the doors

color

finish



WX30

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	13 (330)	30 (762)	cut 3/8 x 1 dado back edge and 3/8 x 3/4 dado top and bottom edges
B	2	top and bottom	plywood	3/4 (19)	13 (330)	WX-3/4 (-19)	WX = width of cabinet, cut 3/8 x 1 dado back edge
C	1	back	plywood	1/4 (6)	WX-3/4 (-19)	29 1/4 (743)	
D	2	hanging strips	plywood	3/4 (19)	3 (76)	WX-3/4 (-19)	
E	1	door	plywood	3/4 (19)	WX-3/4 (-19)	29 1/4 (743)	if two doors WX-7/8÷2
F	2	shelves	plywood	3/4 (19)	11 3/4 (298)	WX-1 5/8 (-41)	

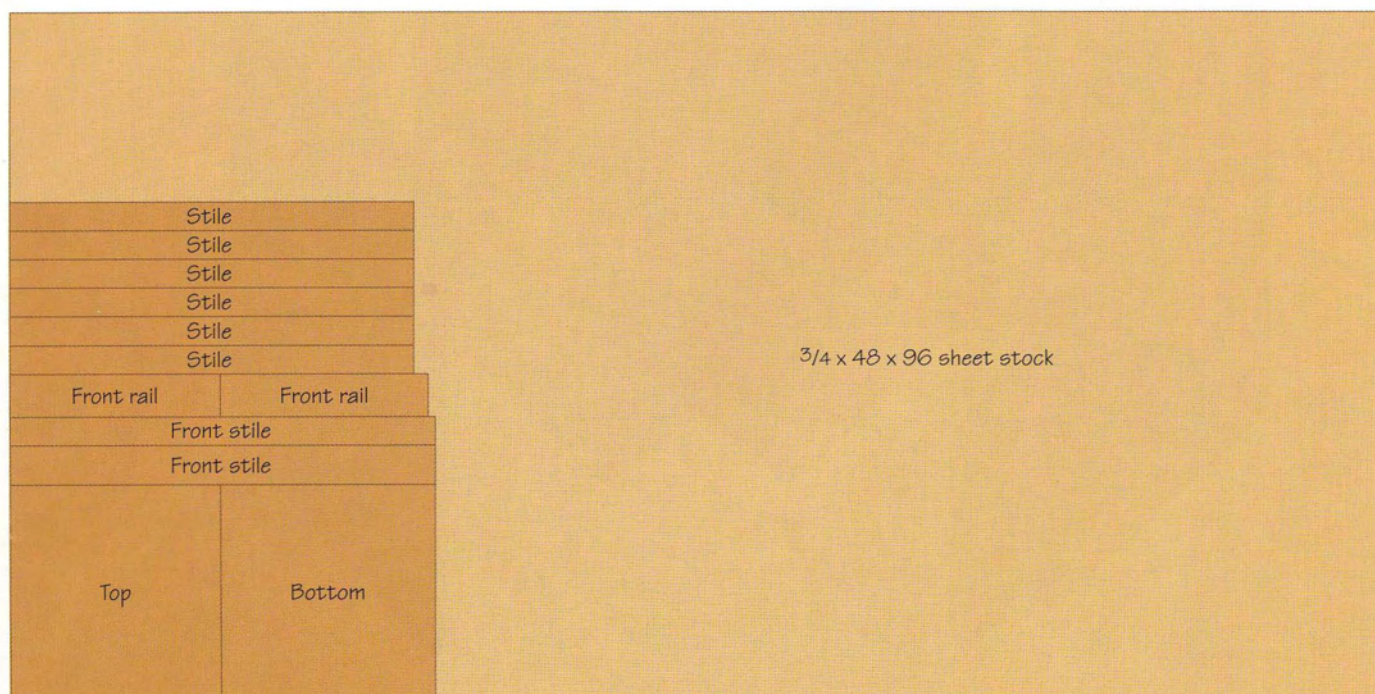


wall corner cabinets

These are not storage cabinets, they simply fill the dead space in the corner where two banks of wall cabinets meet.

OPTIMIZATION OF PARTS

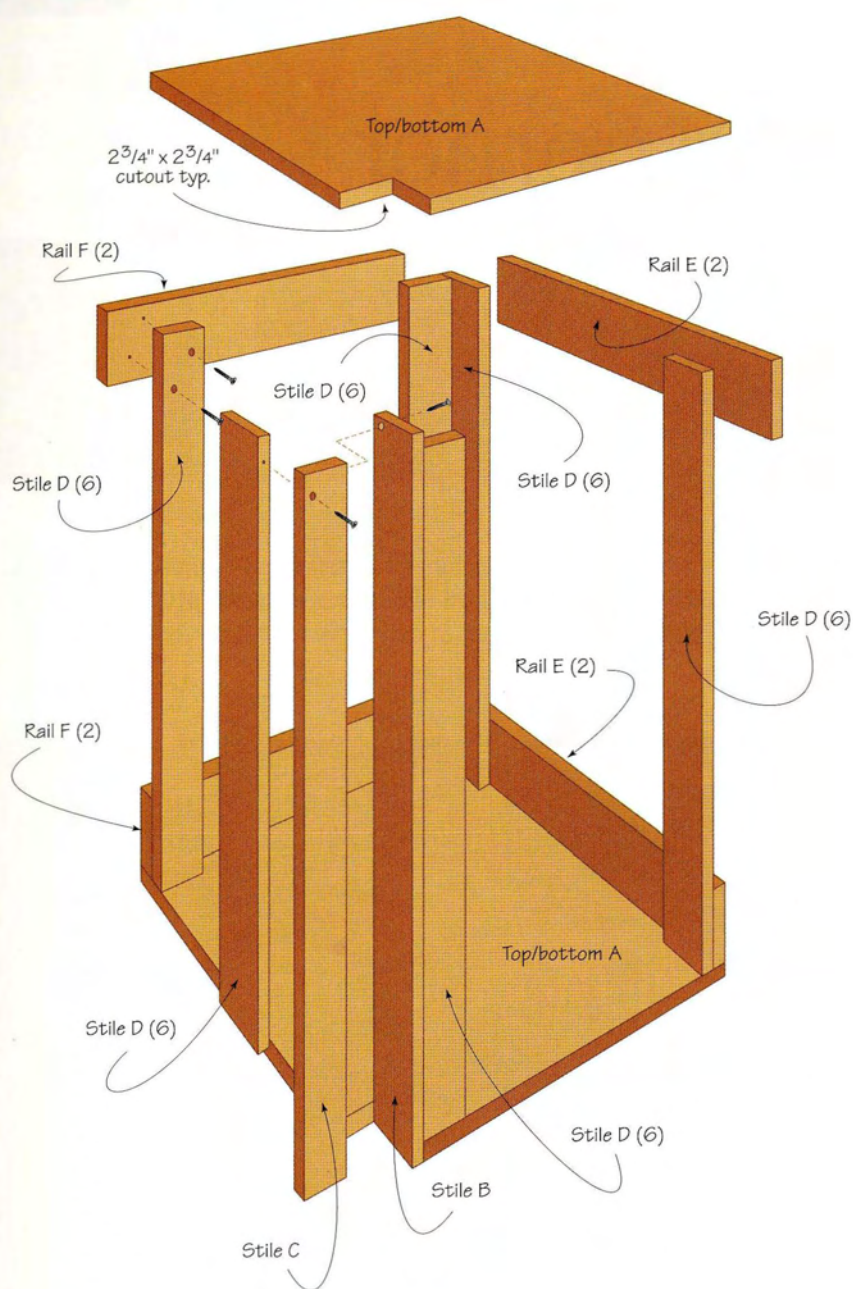
This optimization drawing is for a corner wall cabinet.



WCC

color

finish

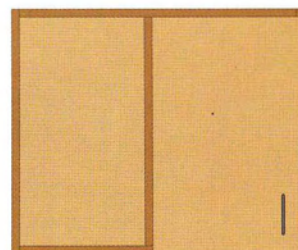
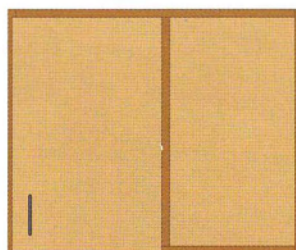


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	top and bottom	plywood	3/4	(19)	15	(381)	15	(381)	cut 2 3/4 x 2 3/4 front stile notch
B	1	front stile	plywood	3/4	(19)	2 3/4	(70)	30	(762)	24 (610) for 24"-tall cabinets X= height of cabinet
C	1	front stile	plywood	3/4	(19)	2	(51)	30	(762)	24 (610) for 24"-tall cabinets X= height of cabinet
D	6	stiles	plywood	3/4	(19)	2	(51)	28 1/2	(724)	22 1/2 (572) for 24"-tall cabinets X-1 1/2= length of stiles
E	2	rails	plywood	3/4	(19)	3	(76)	15	(381)	
F	2	rails	plywood	3/4	(19)	3	(76)	14 1/4	(362)	

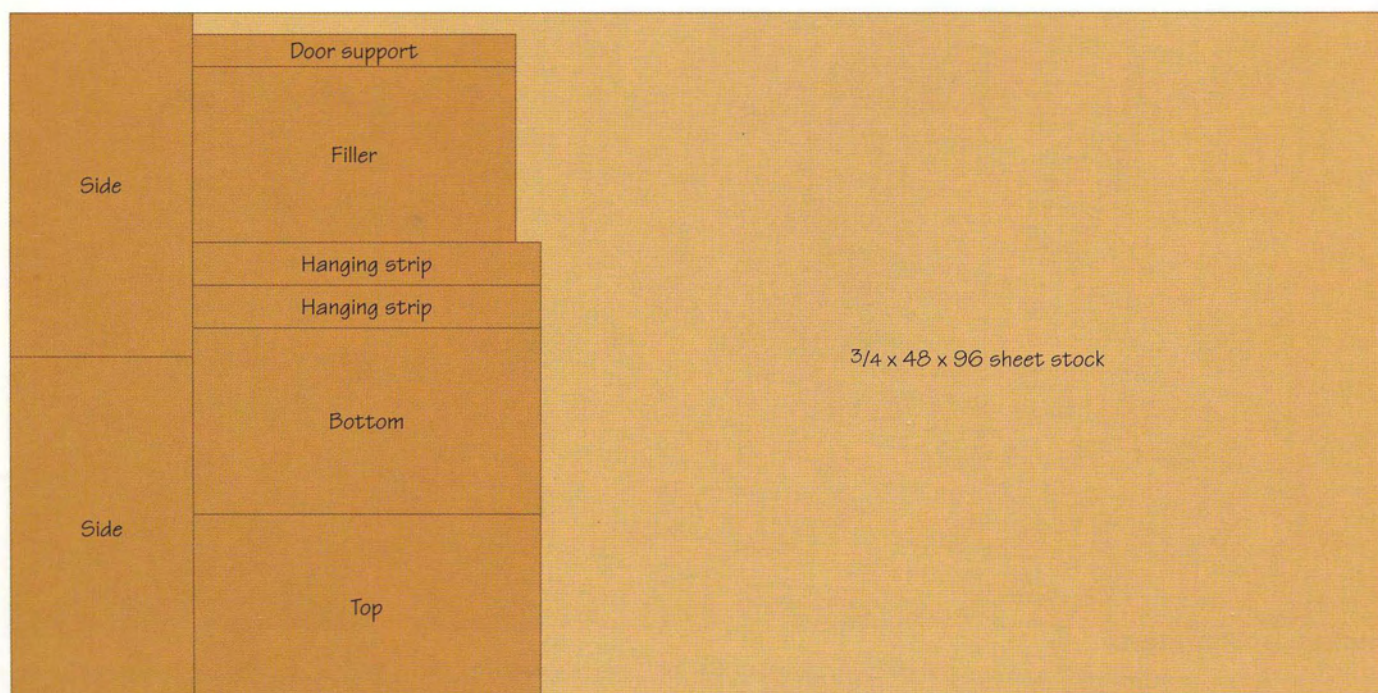


24"-tall blind-corner wall cabinets

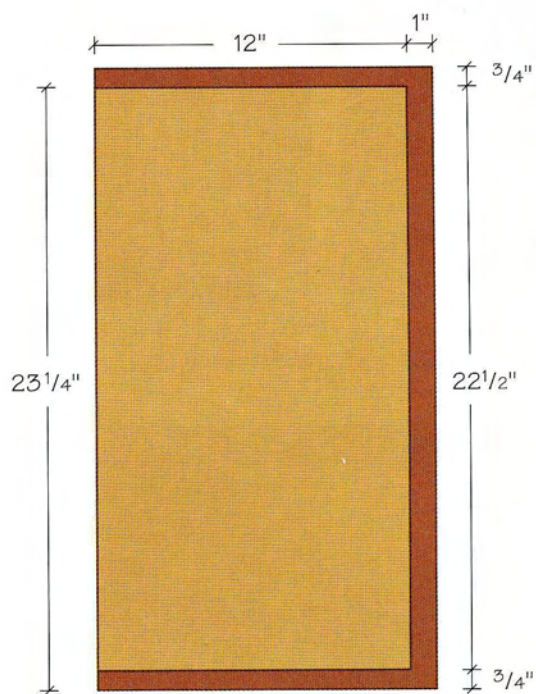


OPTIMIZATION OF PARTS

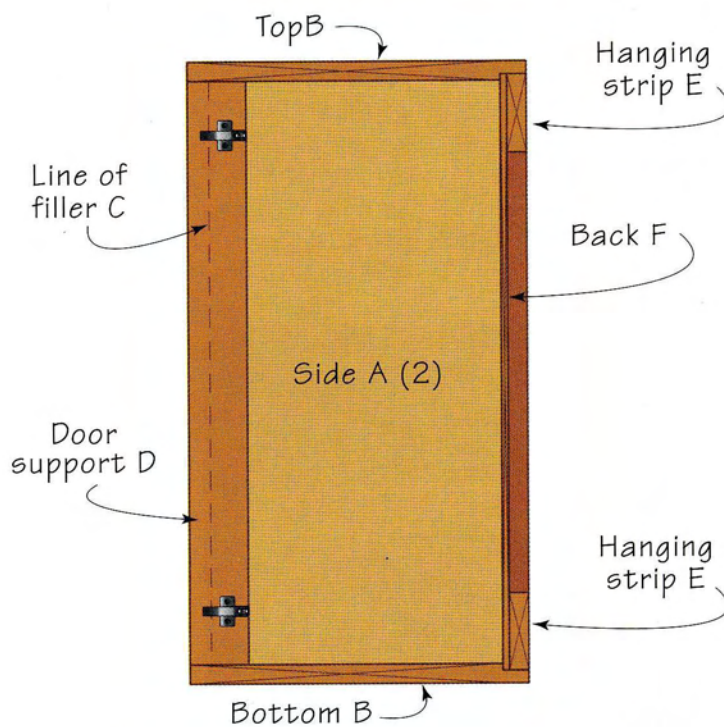
This optimization drawing is for a 24"-tall blind-corner wall cabinet. The layout of the parts will be similar for all sizes of 24"-tall blind-corner wall cabinets. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL





1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router set up on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to $29\frac{1}{4}$ " to cut the dados for the top and bottom panels first. See the illustration for layout details.



2 Reset the fence to 12" and cut the rabbet for the back panel and hanging rails.



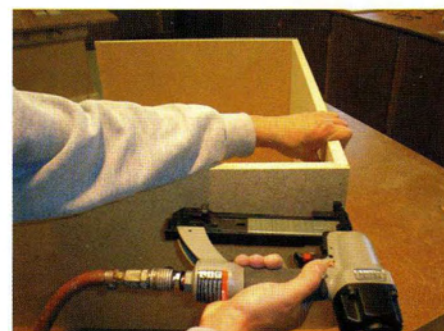
3 Reset the fence to $12\frac{1}{2}$ " and finish cutting the rabbets.



4 When starting the assembly of the cabinets, have some wood glue, a brush and a damp cloth handy. Apply a bead of glue to the bottom panel dado of the right side and brush the glue evenly in the dado.



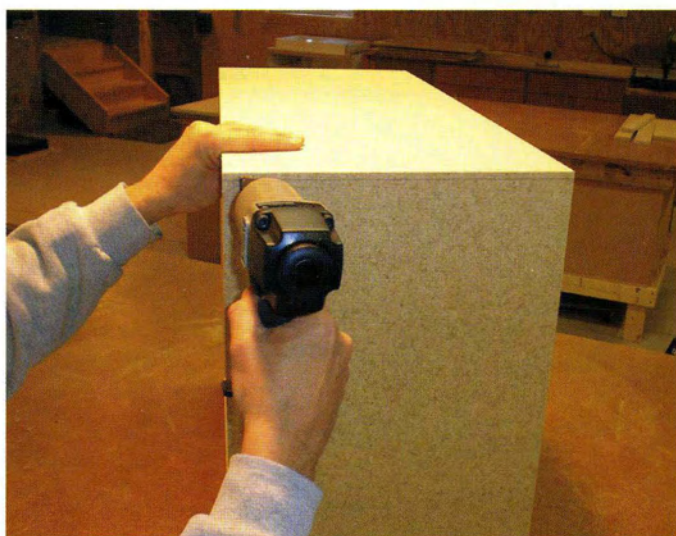
5 Stand the side face edge up and slide the top panel into the rabbet. Flush the face edges and nail through the side into the top panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 2-3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



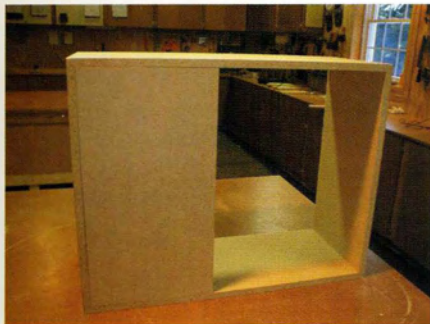
6 Attach the other side panel.



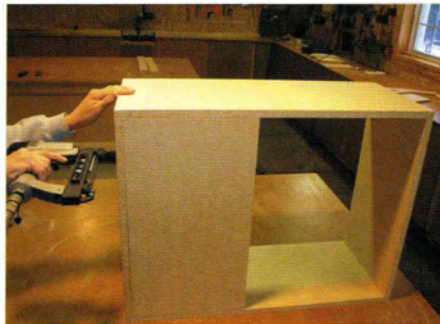
7 Drop the bottom in place and attach.



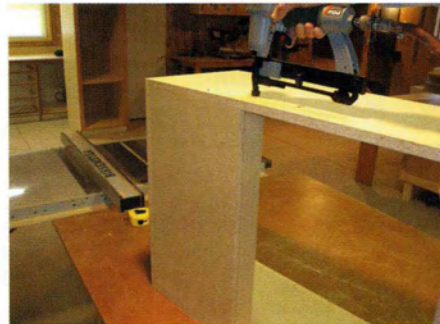
8 Use staples or screws to attach the bottom panel.



9 Install the filler panel between the top and bottom panels and next to one side.



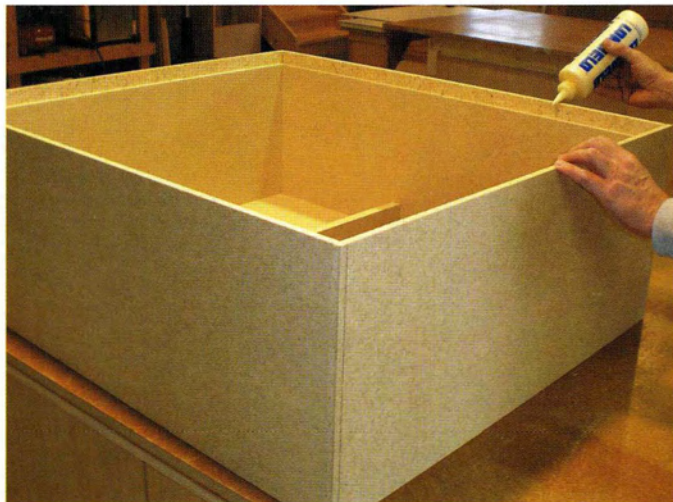
10 Attach the filler to the side, top and bottom panels.



11 Install the door support.



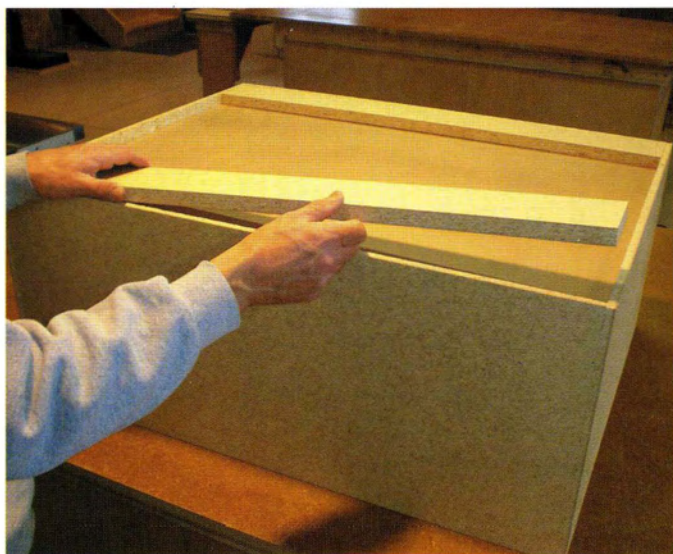
12 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



13 Add glue to the rabbets.



14 Check for squareness and attach the back.



15 Glue and staple or screw the nailers in place on the back of the cabinet.

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	BCW1224		

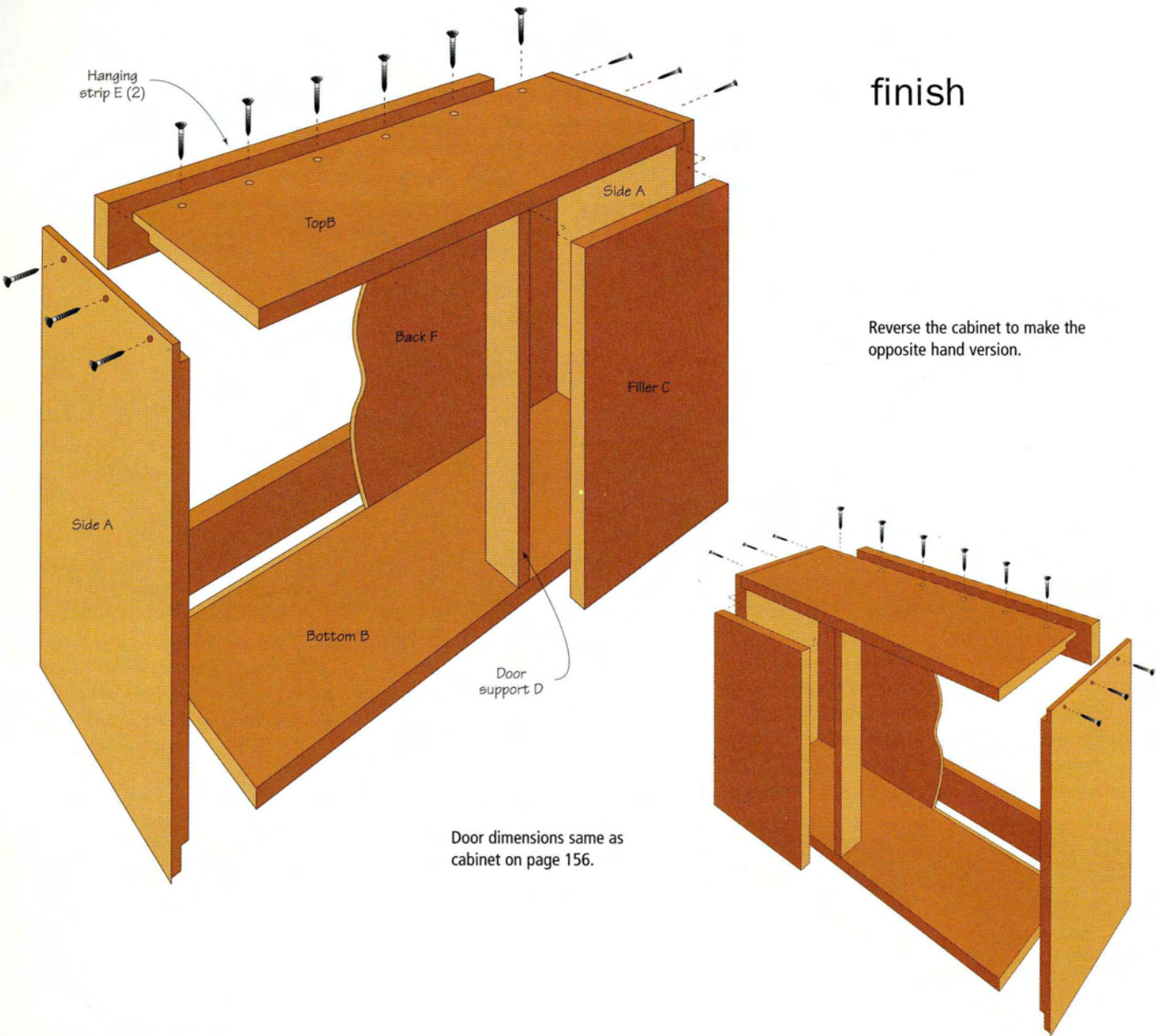
HARDWARE NEEDED:

- 2
- 95°- opening European hinges
- 1
- handle or pull for the door

color

finish

Reverse the cabinet to make the opposite hand version.



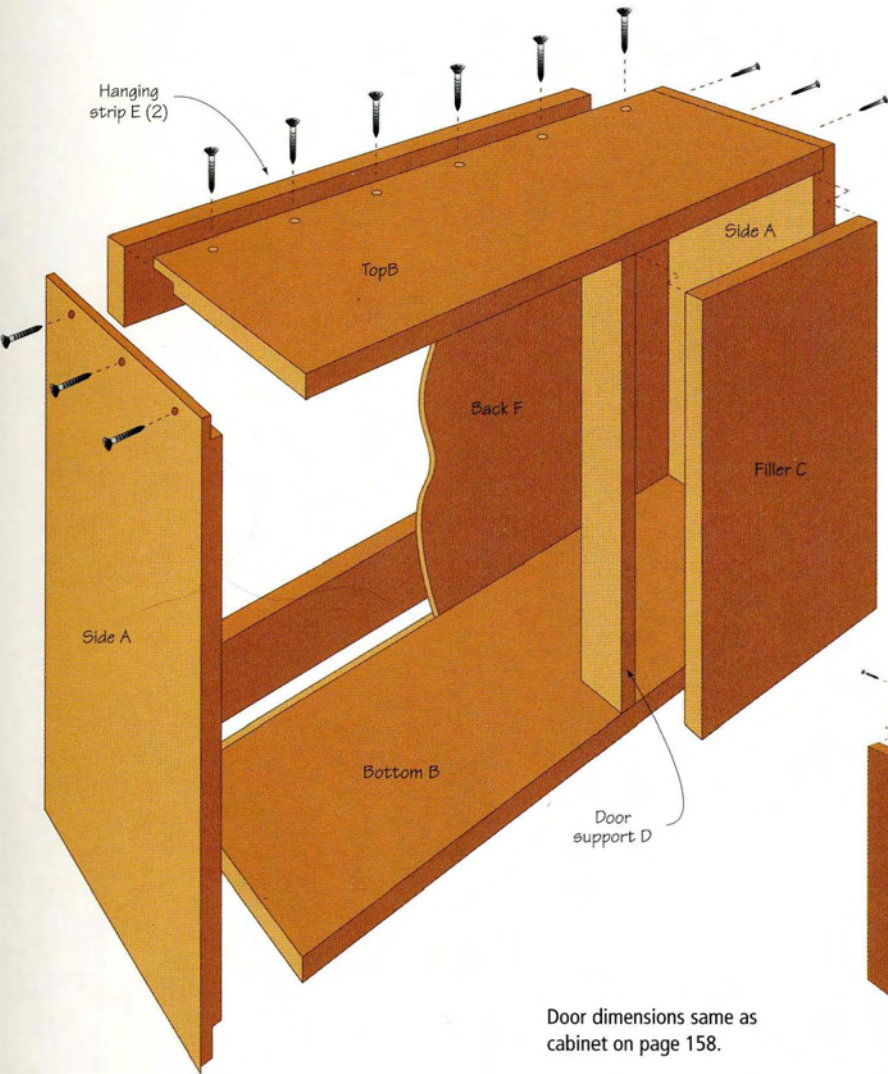
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	24	(610)	cut 3/8 x 1 rabbet on back edge, 3/8 x 3/4 rabbet top and bottom
B	2	top and bottom	plywood	3/4	(19)	13	(330)	24 1/4	(616)	cut 3/8 x 1 rabbet on back edge
C	1	filler	plywood	3/4	(19)	12 1/4	(311)	22 1/2	(572)	
D	1	door support	plywood	3/4	(19)	2 1/4	(57)	22 1/2	(572)	
E	2	hanging strips	plywood	3/4	(19)	3	(76)	24 1/4	(616)	
F	1	back	plywood	3/4	(19)	24 1/4	(616)	23 1/4	(590)	

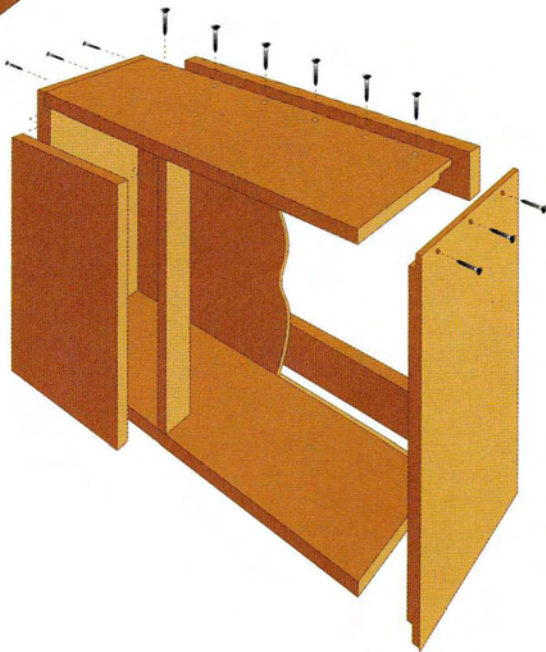
- HARDWARE NEEDED:**
- 2 95°- opening European hinges
 - 1 handle or pull for the door

color

finish



Reverse the cabinet to make the opposite hand version.



Door dimensions same as cabinet on page 158.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	13 (330)	24 (610)	cut 3/8 x 1 rabbet on back edge, 3/8 x 3/4 rabbet top and bottom
B	2	top and bottom	plywood	3/4 (19)	13 (330)	30 1/4 (768)	cut 3/8 x 1 rabbet on back edge
C	1	filler	plywood	3/4 (19)	12 1/4 (311)	22 1/2 (572)	
D	1	door support	plywood	3/4 (19)	2 1/4 (57)	22 1/2 (572)	
E	2	hanging strips	plywood	3/4 (19)	3 (76)	30 1/4 (768)	
F	1	back	plywood	3/4 (19)	30 1/4 (768)	23 1/4 (590)	

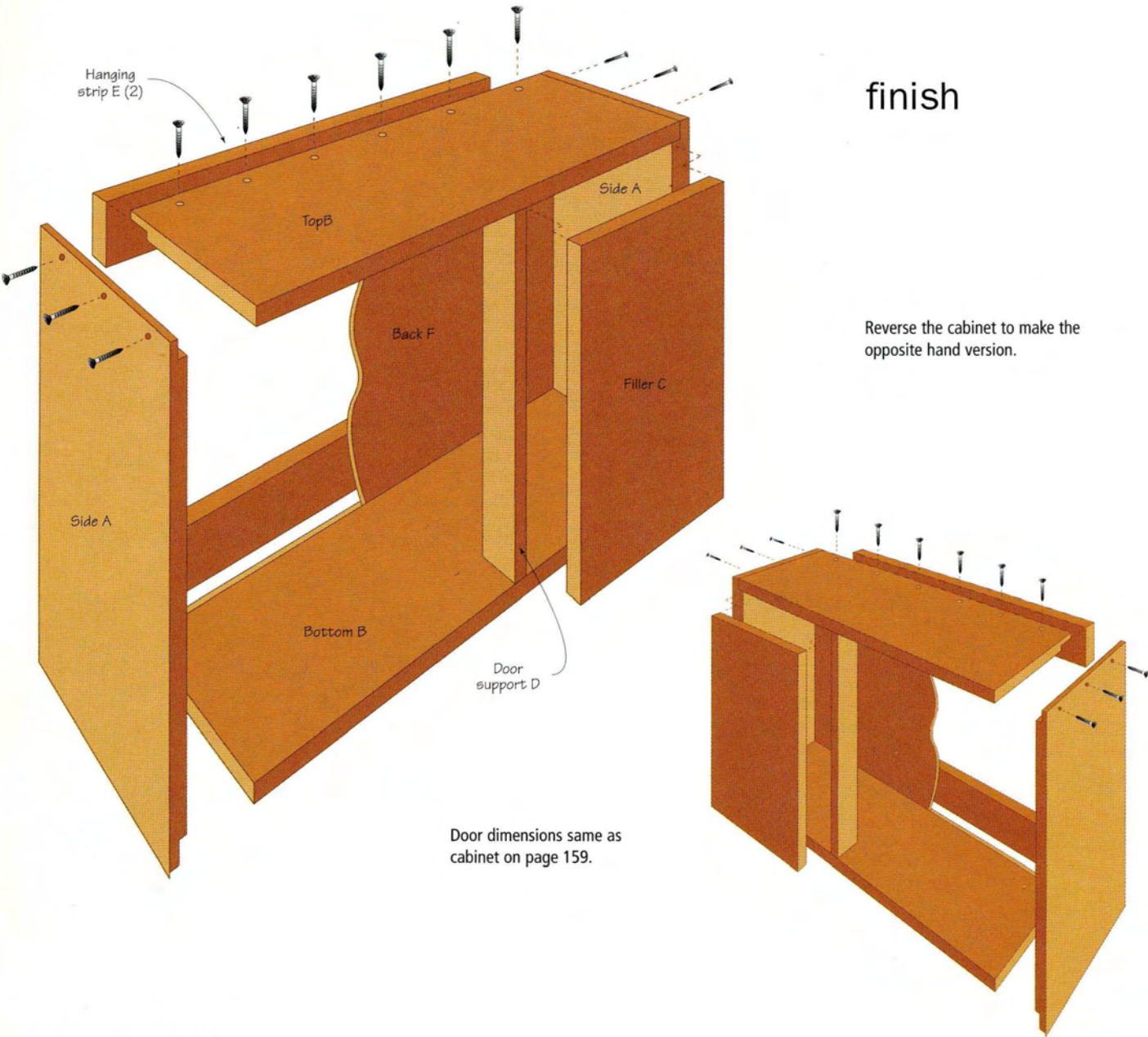
HARDWARE NEEDED:

- 2 95°- opening European hinges
- 1 handle or pull for the door

color

finish

Reverse the cabinet to make the opposite hand version.



Door dimensions same as cabinet on page 159.

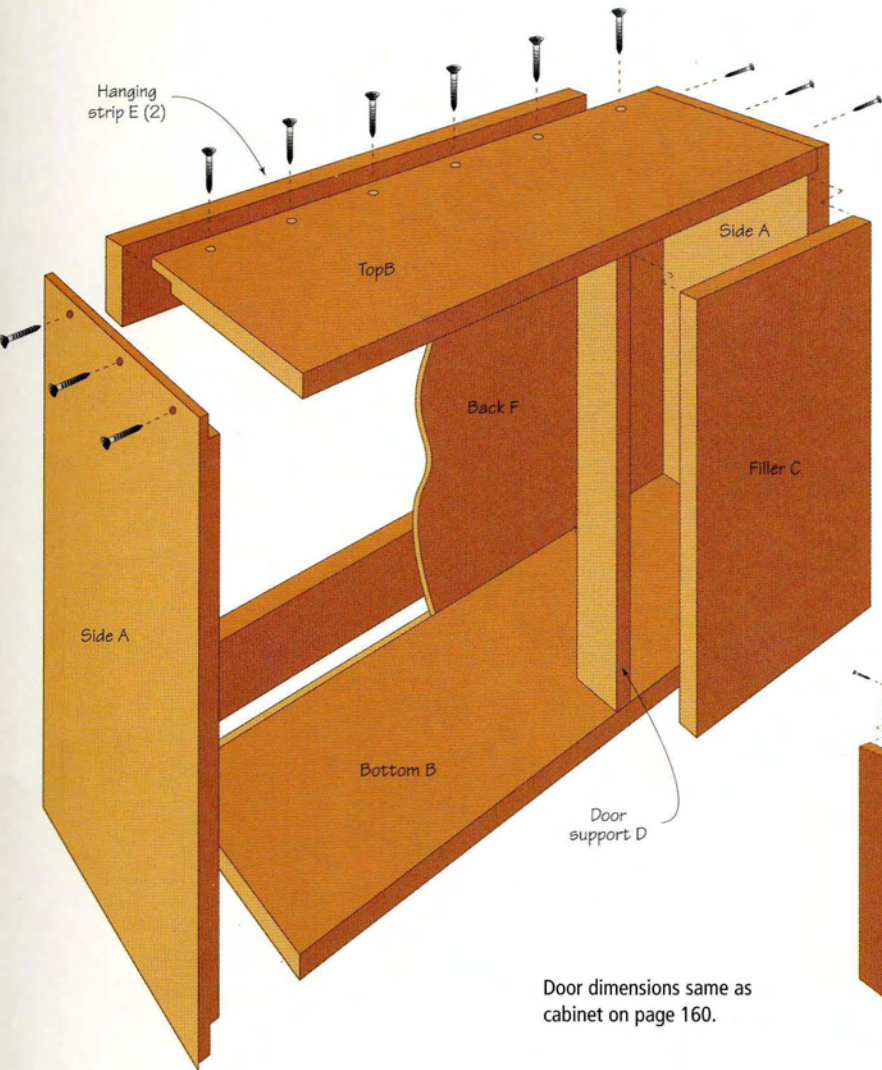
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	24	(610)	cut 3/8 x 1 rabbet on back edge, 3/8 x 3/4 rabbet top and bottom
B	2	top and bottom	plywood	3/4	(19)	13	(330)	33 1/4	(844)	cut 3/8 x 1 rabbet on back edge
C	1	filler	plywood	3/4	(19)	12 1/4	(311)	22 1/2	(572)	
D	1	door support	plywood	3/4	(19)	2 1/4	(57)	22 1/2	(572)	
E	2	hanging strips	plywood	3/4	(19)	3	(76)	33 1/4	(844)	
F	1	back	plywood	3/4	(19)	33 1/4	(844)	23 1/4	(590)	

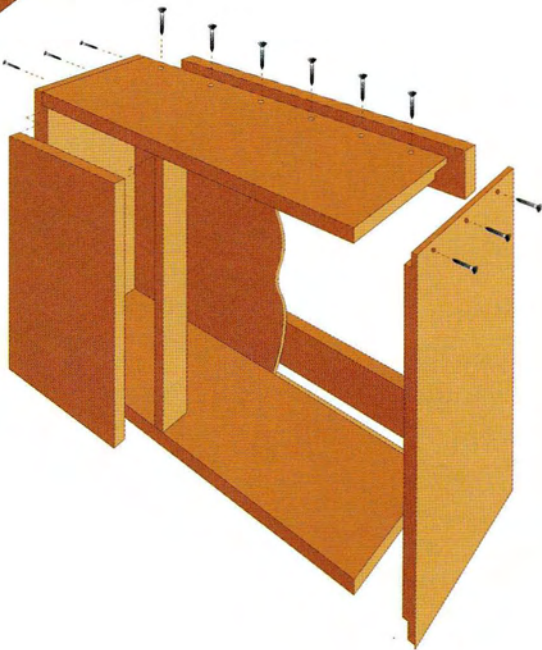
- HARDWARE NEEDED:**
- 4 95°- opening European hinges
 - 2 handles or pulls for the doors

color

finish



Reverse the cabinet to make the opposite hand version.



Door dimensions same as cabinet on page 160.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	24	(610)	cut 3/8 x 1 rabbet on back edge, 3/8 x 3/4 rabbet top and bottom
B	2	top and bottom	plywood	3/4	(19)	13	(330)	36 1/4	(920)	cut 3/8 x 1 rabbet on back edge
C	1	filler	plywood	3/4	(19)	12 1/4	(311)	22 1/2	(572)	
D	1	door support	plywood	3/4	(19)	2 1/4	(57)	22 1/2	(572)	
E	2	hanging strips	plywood	3/4	(19)	3	(76)	36 1/4	(920)	
F	1	back	plywood	3/4	(19)	36 1/4	(920)	23 1/4	(590)	

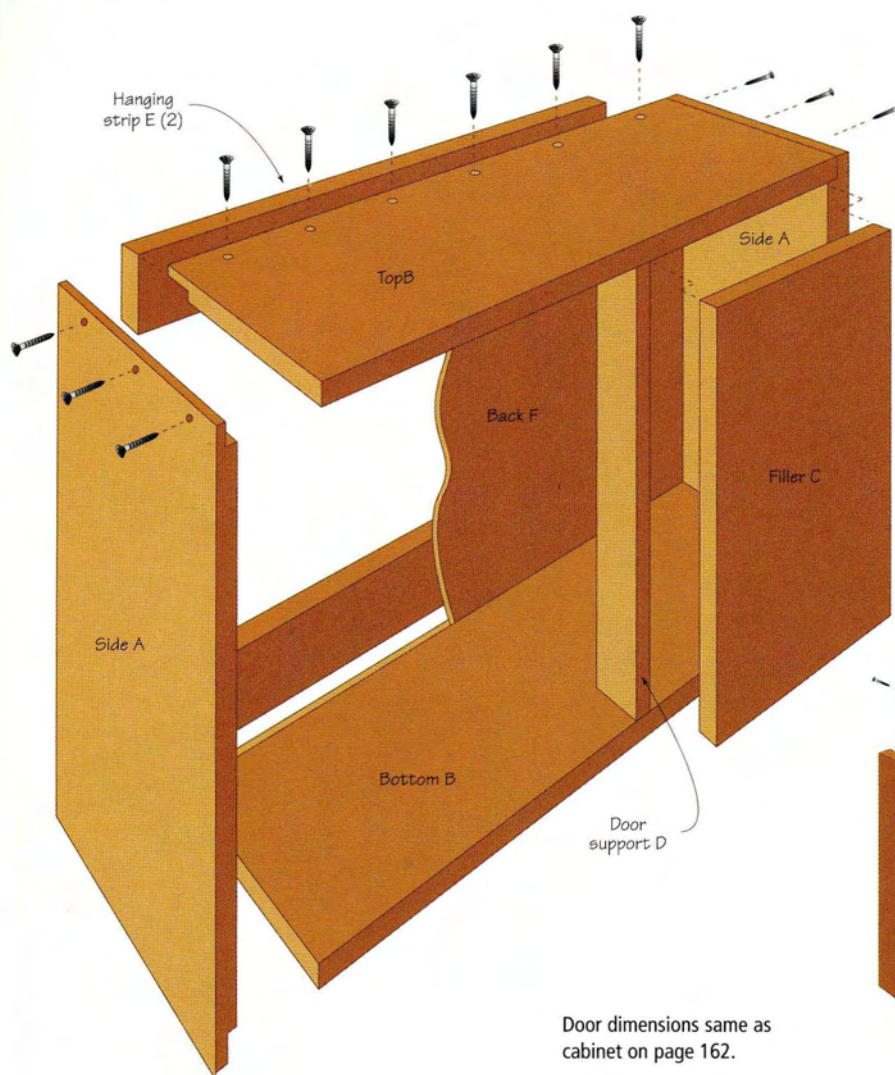
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	BCW3024		

HARDWARE NEEDED:

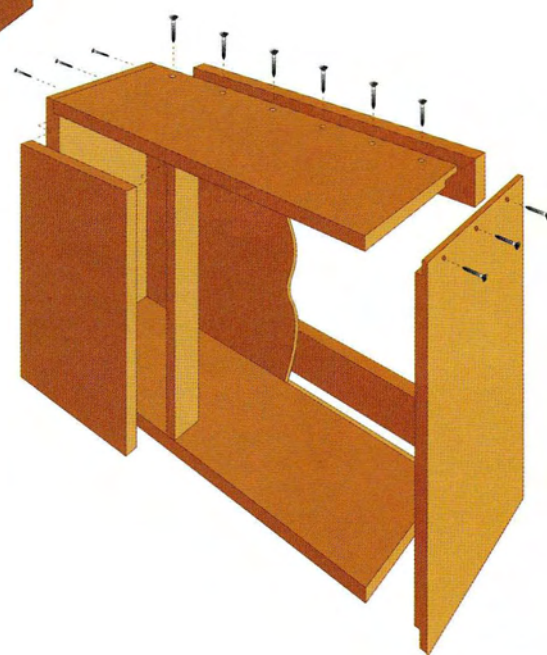
- 4 95°-opening European hinges
- 2 handles or pulls for the doors

color

finish



Reverse the cabinet to make the opposite hand version.



Door dimensions same as cabinet on page 162.

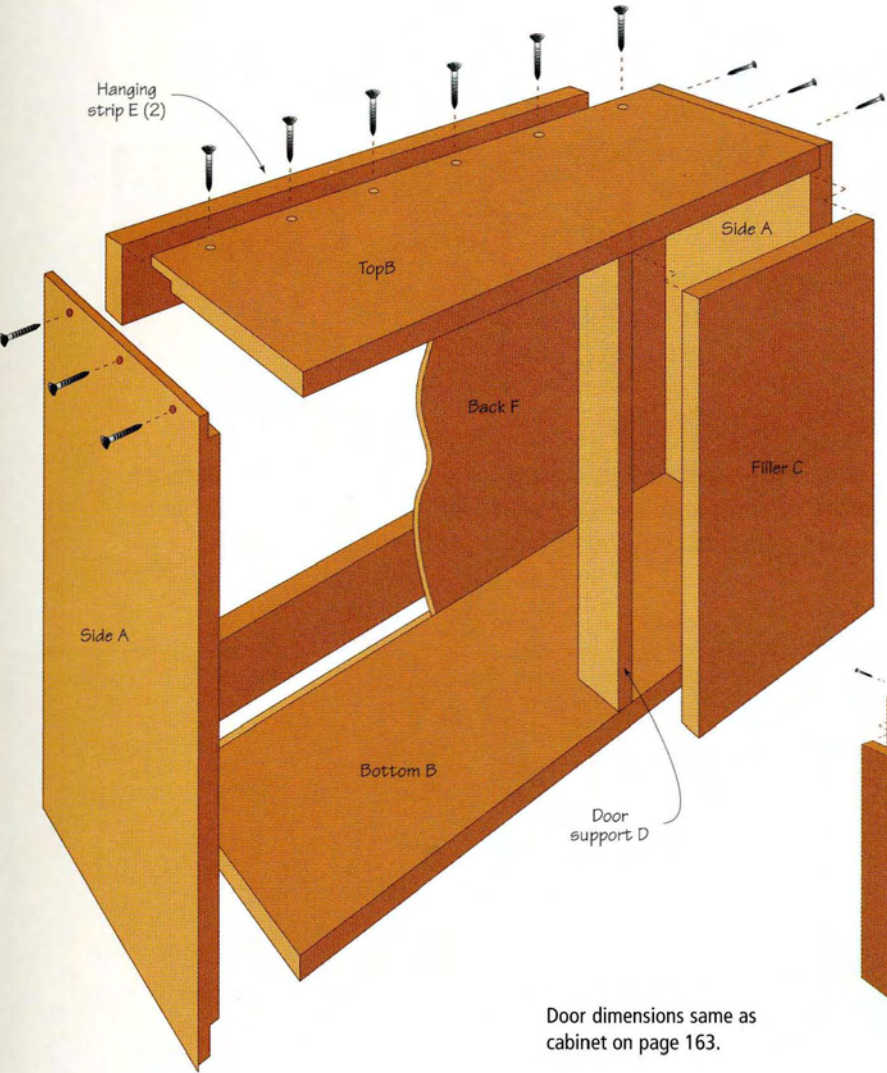
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	13	(330)	24	(610)	cut $\frac{3}{8}$ x 1 rabbet on back edge, $\frac{3}{8}$ x $\frac{3}{4}$ rabbet top and bottom
B	2	top and bottom	plywood	$\frac{3}{4}$	(19)	13	(330)	42 $\frac{1}{4}$	(1073)	cut $\frac{3}{8}$ x 1 rabbet on back edge
C	1	filler	plywood	$\frac{3}{4}$	(19)	12 $\frac{1}{4}$	(311)	22 $\frac{1}{2}$	(572)	
D	1	door support	plywood	$\frac{3}{4}$	(19)	2 $\frac{1}{4}$	(57)	22 $\frac{1}{2}$	(572)	
E	2	hanging strips	plywood	$\frac{3}{4}$	(19)	3	(76)	42 $\frac{1}{4}$	(1073)	
F	1	back	plywood	$\frac{3}{4}$	(19)	42 $\frac{1}{4}$	(1073)	23 $\frac{1}{4}$	(590)	

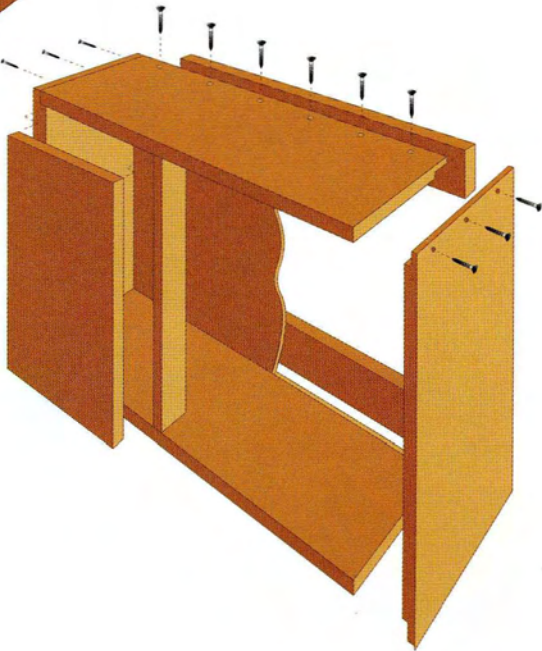
- HARDWARE NEEDED:**
- 4 95°- opening European hinges
 - 2 handles or pulls for the doors

color

finish



Reverse the cabinet to make the opposite hand version.



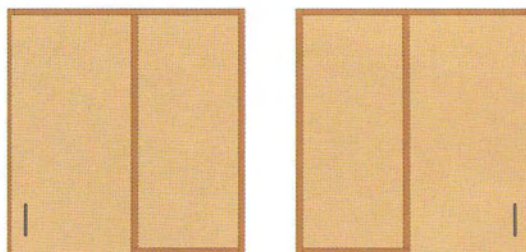
Door dimensions same as cabinet on page 163.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	13 (330)	24 (610)	cut 3/8 x 1 rabbet on back edge, 3/8 x 3/4 rabbet top and bottom
B	2	top and bottom	plywood	3/4 (19)	13 (330)	WX-3/4 (-19)	cut 3/8 x 1 rabbet on back edge
C	1	filler	plywood	3/4 (19)	12 1/4 (311)	22 1/2 (572)	
D	1	door support	plywood	3/4 (19)	2 1/4 (57)	22 1/2 (572)	
E	2	hanging strips	plywood	3/4 (19)	3 (76)	WX-3/4 (-19)	
F	1	back	plywood	3/4 (19)	WX-3/4 (-19)	23 1/4 (590)	

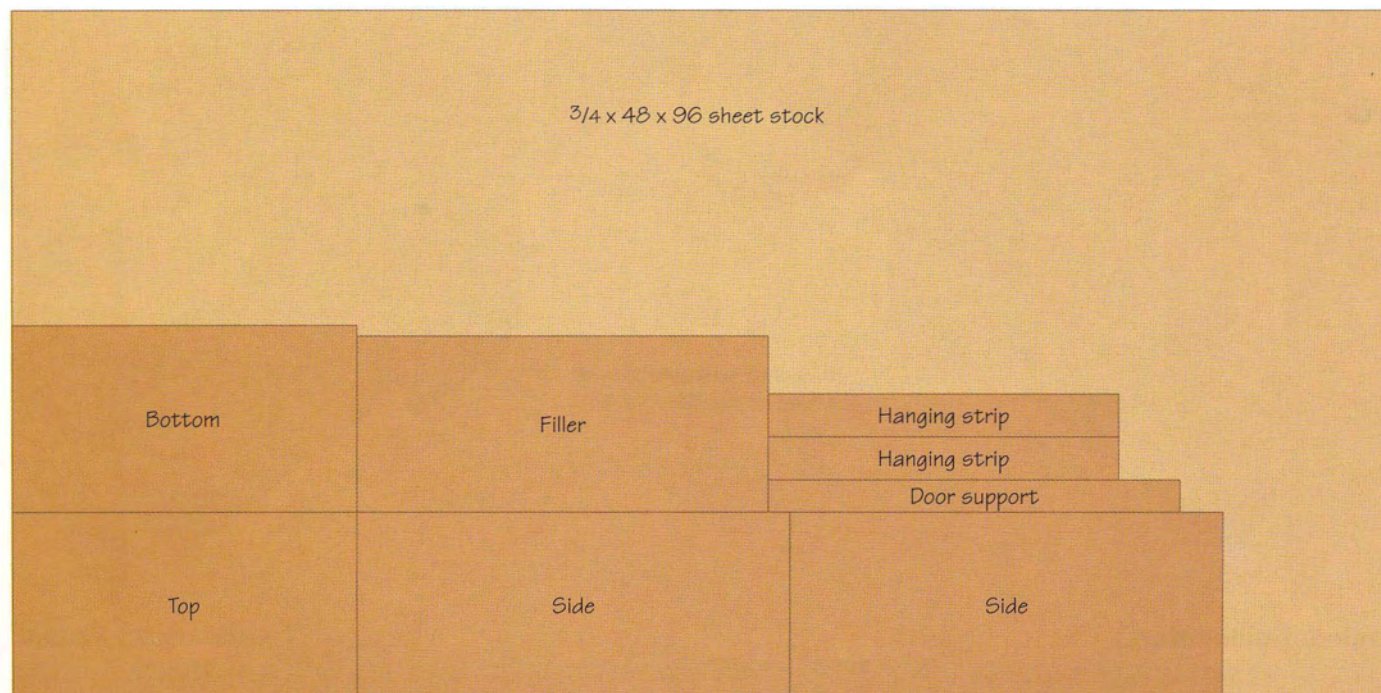


30"-tall blind-corner wall cabinets

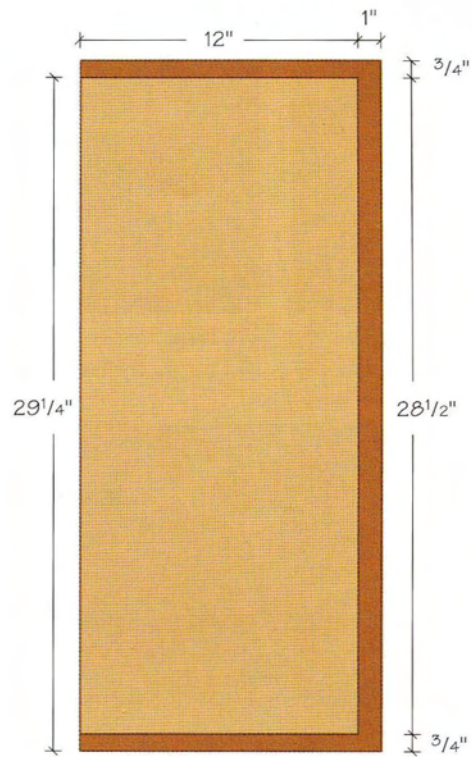


OPTIMIZATION OF PARTS

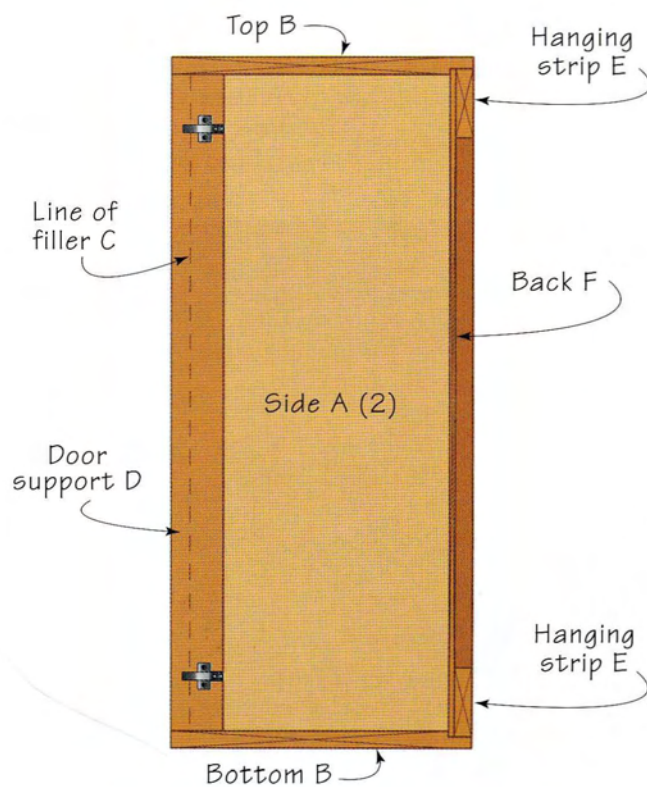
This optimization drawing is for a 30"-tall blind-corner wall cabinet. The layout of the parts will be similar for all sizes of 30"-tall blind-corner wall cabinets. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL





1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router set up on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to $29\frac{1}{4}$ " and cut the dados for the bottom and top panels first. See the illustration for layout details.



2 Reset the fence to 12" and cut the rabbet for the back panel and hanging rails.



3 Reset the fence to $12\frac{1}{2}$ " and finish cutting the rabbets.



4 When starting the assembly of the cabinets, have some wood glue, a brush and a damp cloth handy. Apply a bead of glue to the bottom panel dado of the right side and brush the glue evenly in the dado.



5 Stand the side face edge up and slide the top panel into the rabbet. Flush the face edges and nail through the side into the top panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 2-3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



6 Attach the other side panel.



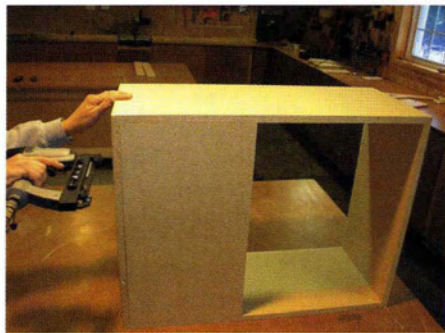
7 Drop the bottom in place and attach.



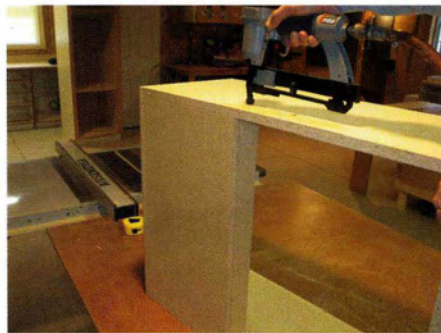
8 Use staples or screws to attach the bottom panel.



9 Install the filler panel between the top and bottom panels and next to one side.



10 Attach the filler to the side, top and bottom panels.



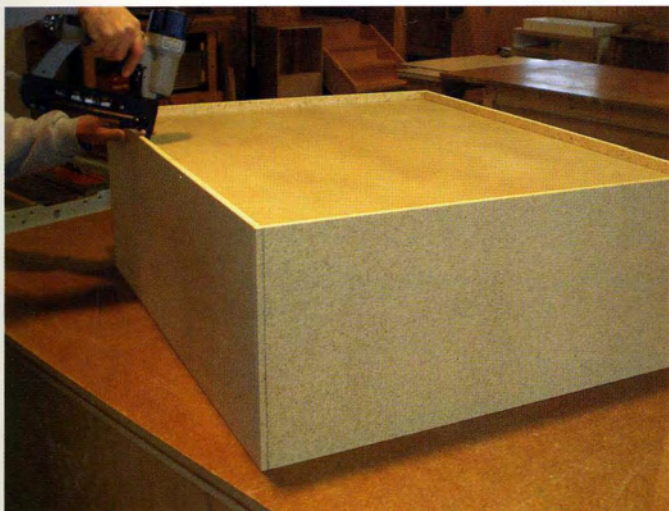
11 Install the door support.



12 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



13 Add glue to the rabbets.



14 Check for squareness and attach the back.



15 Glue and staple or screw the nailers in place on the back of the cabinet.

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	BCW1230		

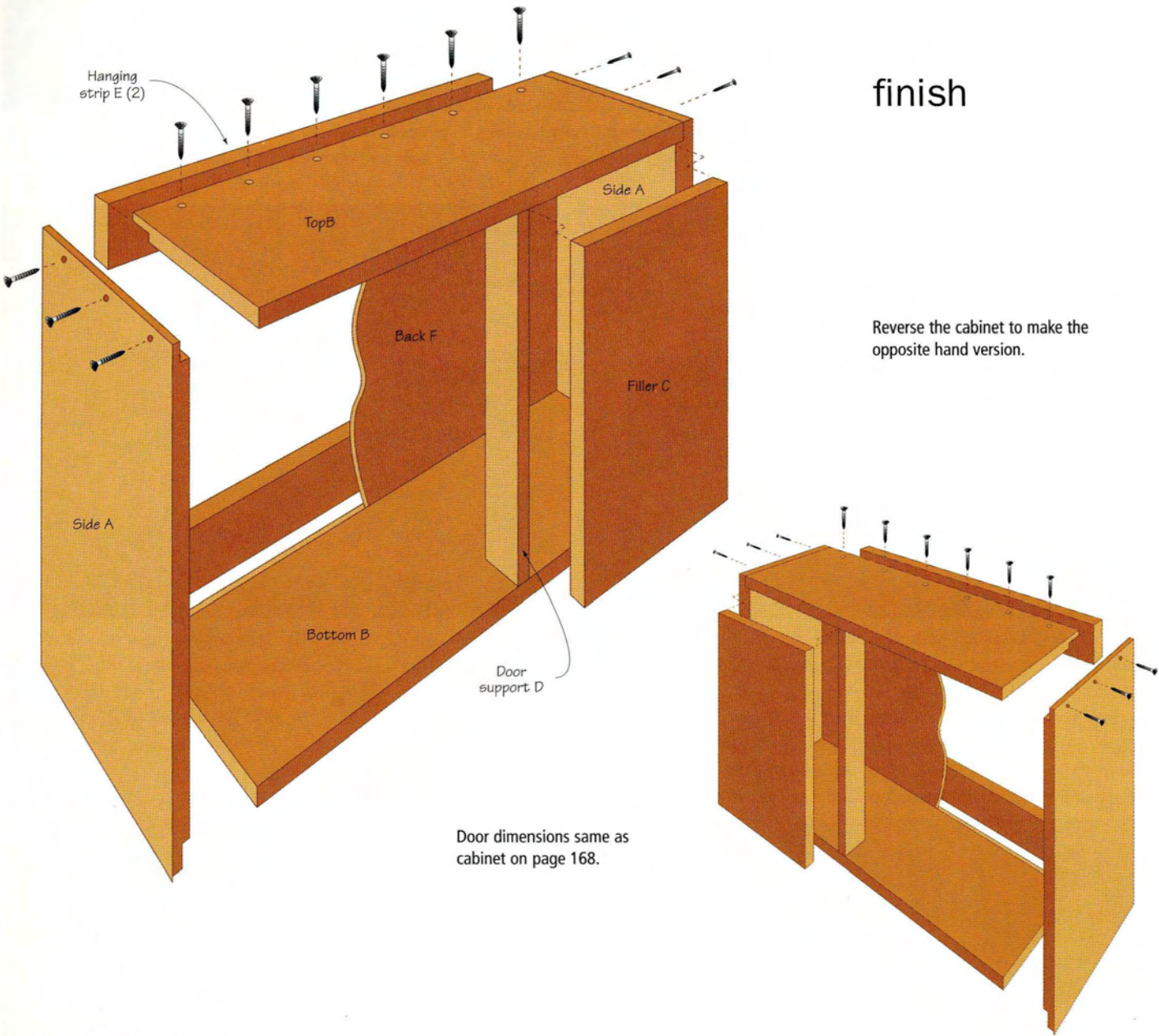
HARDWARE NEEDED:

- 2 95°- opening European hinges
- 1 handle or pull for the door

color

finish

Reverse the cabinet to make the opposite hand version.



Door dimensions same as cabinet on page 168.

inches (millimeters)

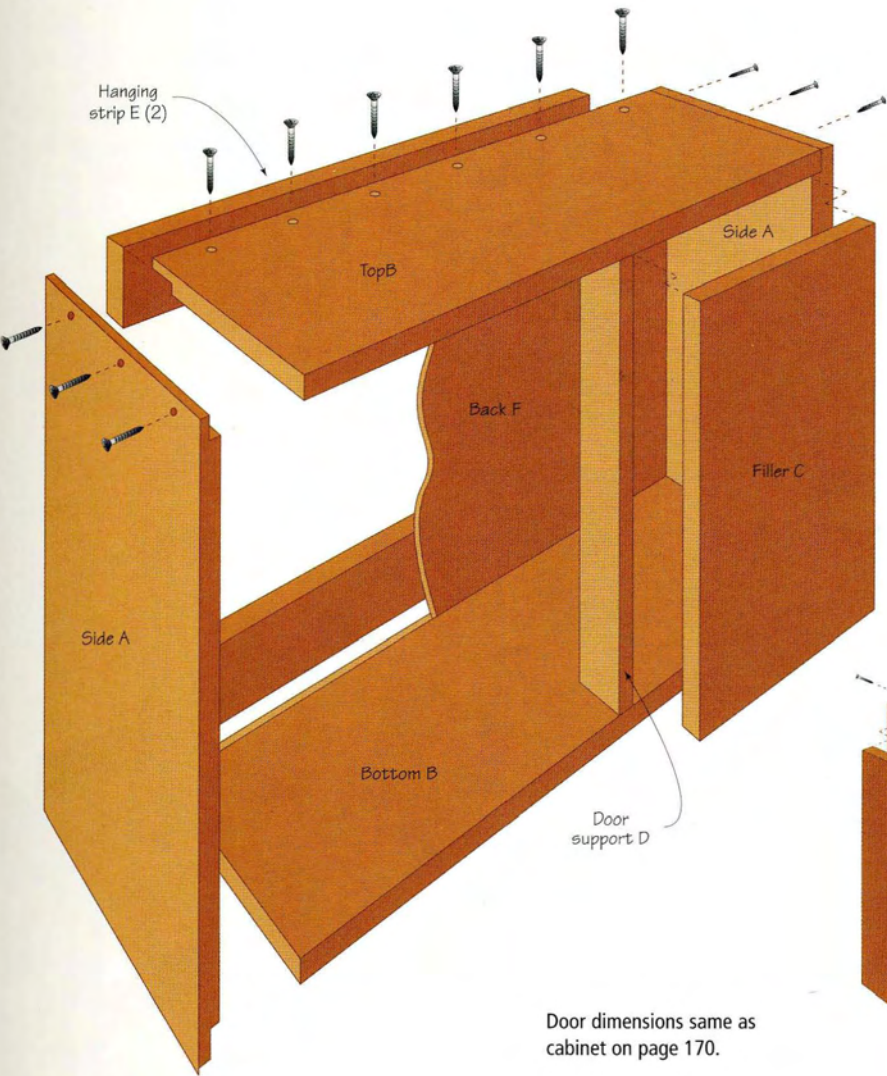
REFERENCE	QUANTITY	PART	STOCK	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	COMMENTS
A	2	sides	plywood	3/4 (19)	13 (330)	30 (762)	cut 3/8 x 1 rabbet on back edge, 3/8 x 3/4 rabbet top and bottom
B	2	top and bottom	plywood	3/4 (19)	13 (330)	24 1/4 (616)	cut 3/8 x 1 rabbet on back edge
C	1	filler	plywood	3/4 (19)	12 1/4 (311)	28 1/2 (724)	
D	1	door support	plywood	3/4 (19)	2 1/4 (57)	28 1/2 (724)	
E	2	hanging strips	plywood	3/4 (19)	3 (76)	24 1/4 (616)	
F	1	back	plywood	3/4 (19)	24 1/4 (616)	29 1/4 (743)	

HARDWARE NEEDED:

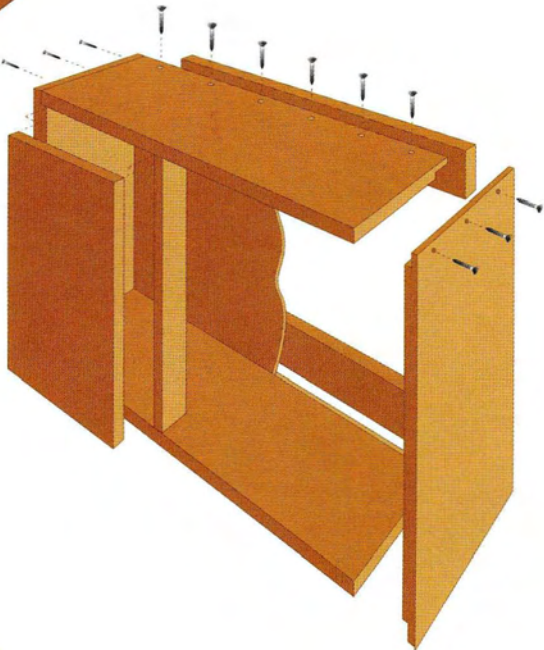
- 295° opening European hinges
- 1handle or pull for the door

color

finish



Reverse the cabinet to make the opposite hand version.



Door dimensions same as cabinet on page 170.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	13 (330)	30 (762)	cut 3/8 x 1 rabbet on back edge, 3/8 x 3/4 rabbet top and bottom
B	2	top and bottom	plywood	3/4 (19)	13 (330)	30 1/4 (768)	cut 3/8 x 1 rabbet on back edge
C	1	filler	plywood	3/4 (19)	12 1/4 (311)	28 1/2 (724)	
D	1	door support	plywood	3/4 (19)	2 1/4 (57)	28 1/2 (724)	
E	2	hanging strips	plywood	3/4 (19)	3 (76)	30 1/4 (768)	
F	1	back	plywood	3/4 (19)	30 1/4 (768)	29 1/4 (743)	

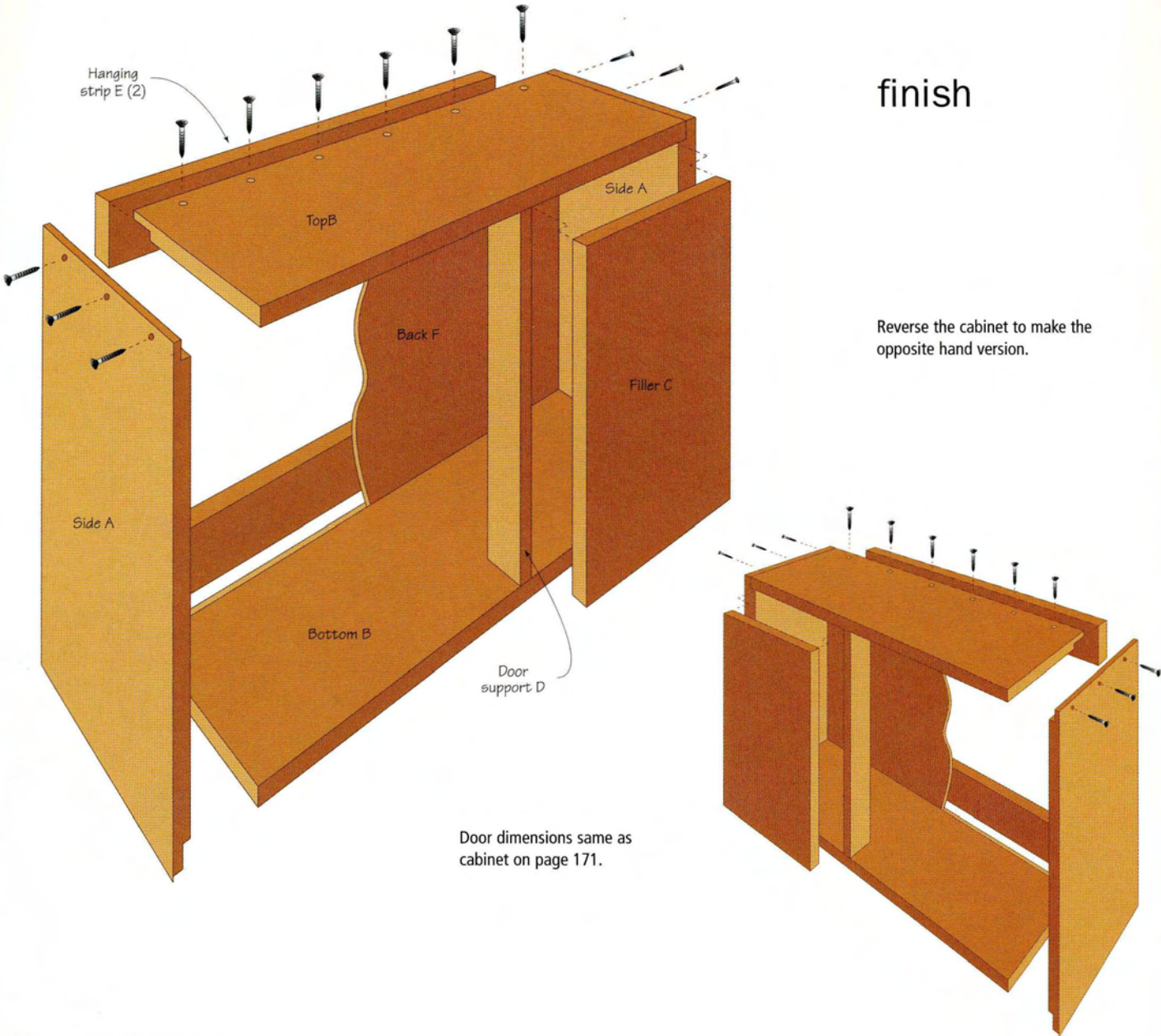
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	BCW2130		

- HARDWARE NEEDED:**
- 2 95° opening European hinges
 - 1 handle or pull for the door

color

finish

Reverse the cabinet to make the opposite hand version.



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	$\frac{3}{4}$ (19)	13 (330)	30 (762)	cut $\frac{3}{8}$ x 1 rabbet on back edge, $\frac{3}{8}$ x $\frac{3}{4}$ rabbet top and bottom
B	2	top and bottom	plywood	$\frac{3}{4}$ (19)	13 (330)	$33\frac{1}{4}$ (844)	cut $\frac{3}{8}$ x 1 rabbet on back edge
C	1	filler	plywood	$\frac{3}{4}$ (19)	$12\frac{1}{4}$ (311)	$28\frac{1}{2}$ (724)	
D	1	door support	plywood	$\frac{3}{4}$ (19)	$2\frac{1}{4}$ (57)	$28\frac{1}{2}$ (724)	
E	2	hanging strips	plywood	$\frac{3}{4}$ (19)	3 (76)	$33\frac{1}{4}$ (844)	
F	1	back	plywood	$\frac{3}{4}$ (19)	$33\frac{1}{4}$ (844)	$29\frac{1}{4}$ (743)	

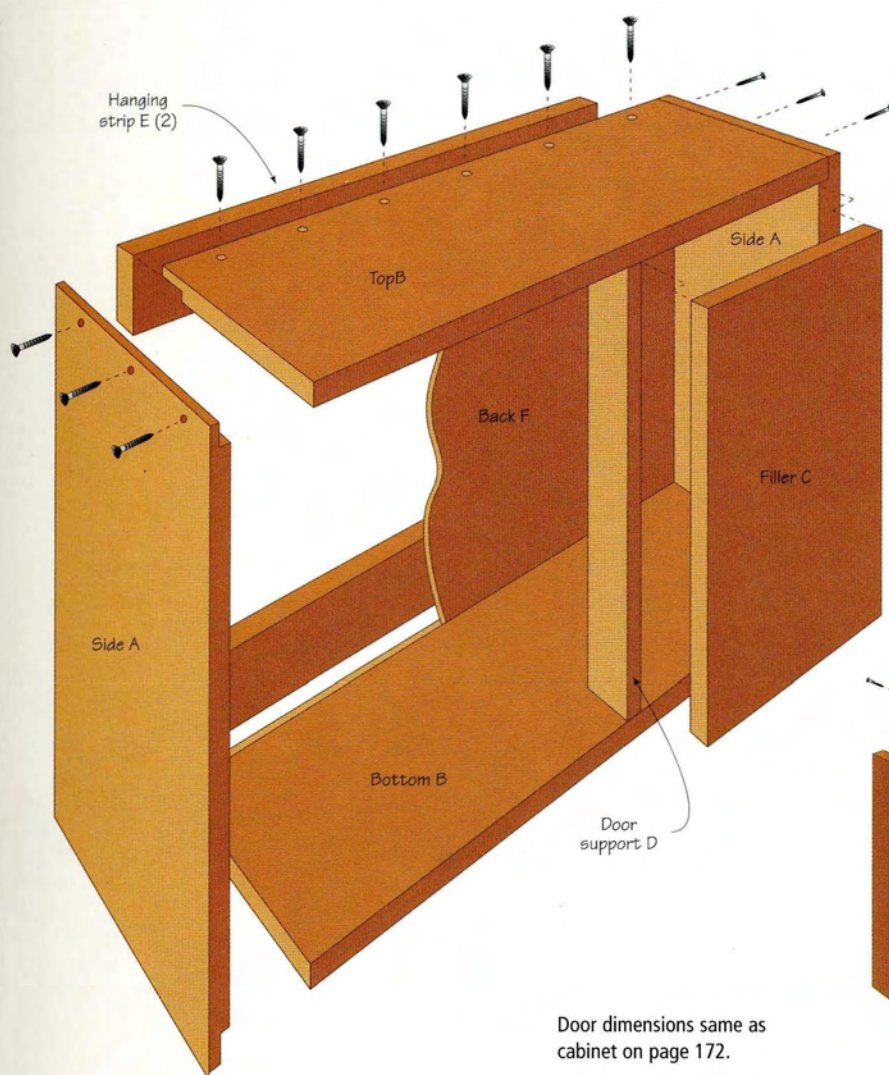
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	BCW2430		

HARDWARE NEEDED:

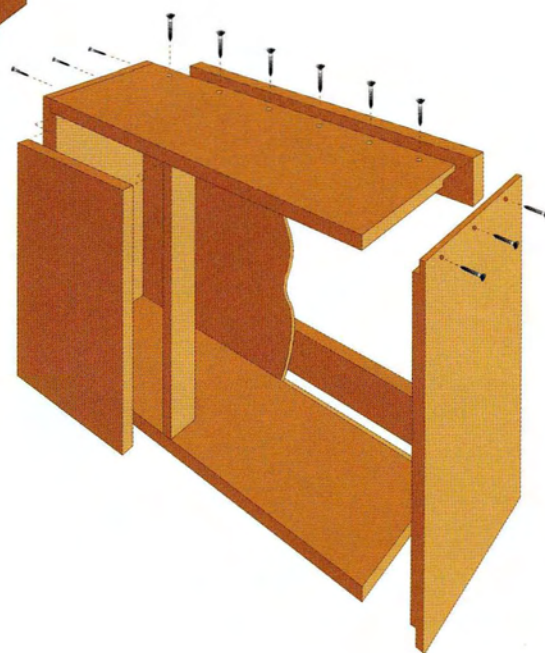
- 4 95°- opening European hinges
- 2 handles or pulls for the doors

color

finish



Reverse the cabinet to make the opposite hand version.



Door dimensions same as cabinet on page 172.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	13	(330)	30	(762)	cut $\frac{3}{8}$ x 1 rabbet on back edge, $\frac{3}{8}$ x $\frac{3}{4}$ rabbet top and bottom
B	2	top and bottom	plywood	$\frac{3}{4}$	(19)	13	(330)	$36\frac{1}{4}$	(920)	cut $\frac{3}{8}$ x 1 rabbet on back edge
C	1	filler	plywood	$\frac{3}{4}$	(19)	$12\frac{1}{4}$	(311)	$28\frac{1}{2}$	(724)	
D	1	door support	plywood	$\frac{3}{4}$	(19)	$2\frac{1}{4}$	(57)	$28\frac{1}{2}$	(724)	
E	2	hanging strips	plywood	$\frac{3}{4}$	(19)	3	(76)	$36\frac{1}{4}$	(920)	
F	1	back	plywood	$\frac{3}{4}$	(19)	$36\frac{1}{4}$	(920)	$29\frac{1}{4}$	(743)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	BCW3030		

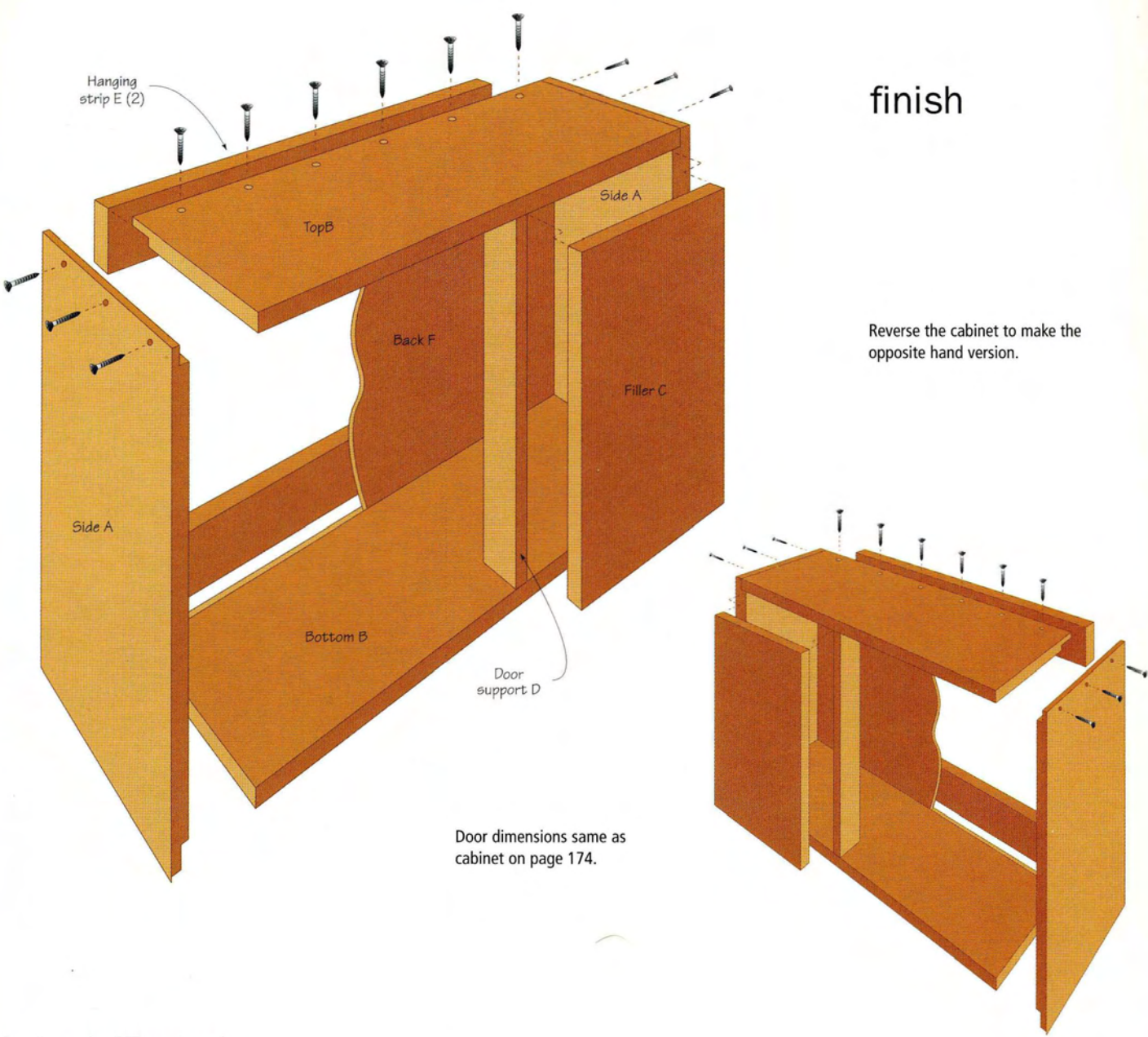
HARDWARE NEEDED:

- 4 95°- opening European hinges
- 2 handles or pulls for the doors

color

finish

Reverse the cabinet to make the opposite hand version.



Door dimensions same as cabinet on page 174.

inches (millimeters)

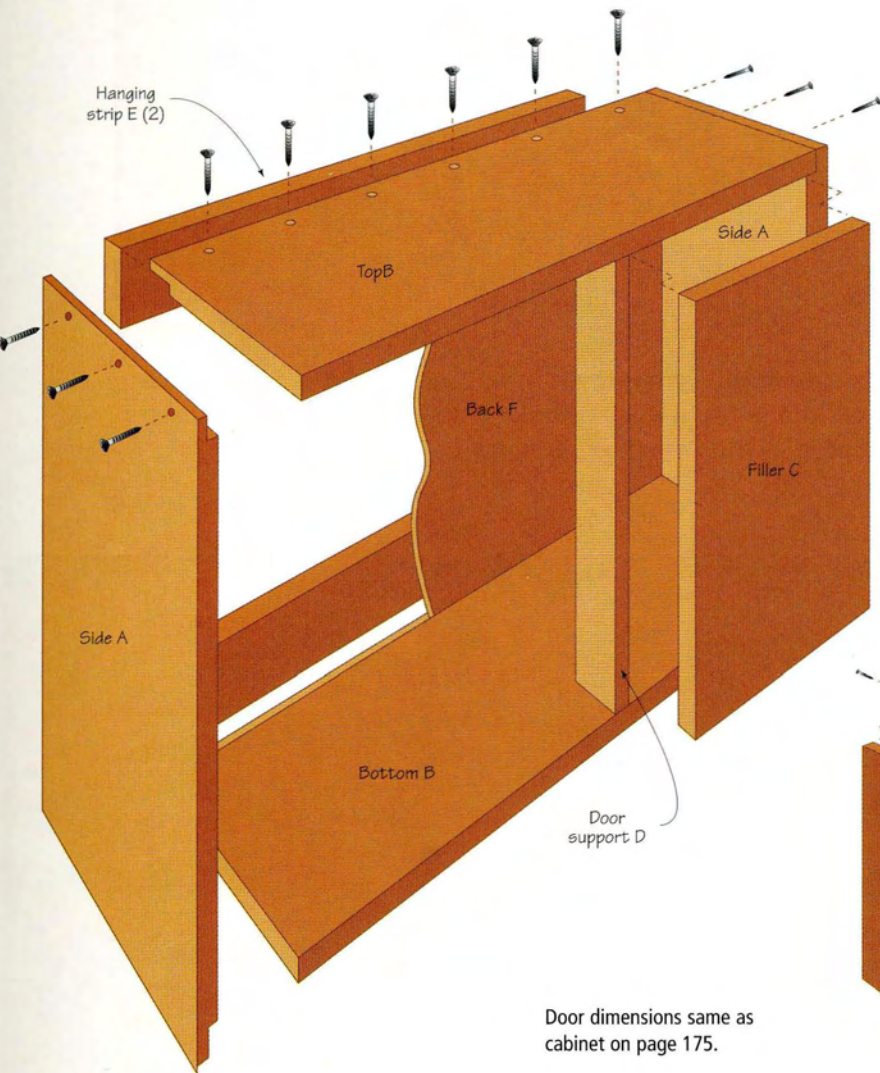
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	30	(762)	cut 3/8 x 1 rabbet on back edge, 3/8 x 3/4 rabbet top and bottom
B	2	top and bottom	plywood	3/4	(19)	13	(330)	42 1/4	(1073)	cut 3/8 x 1 rabbet on back edge
C	1	filler	plywood	3/4	(19)	12 1/4	(311)	28 1/2	(724)	
D	1	door support	plywood	3/4	(19)	2 1/4	(57)	28 1/2	(724)	
E	2	hanging strips	plywood	3/4	(19)	3	(76)	42 1/4	(1073)	
F	1	back	plywood	3/4	(19)	42 1/4	(1073)	29 1/4	(743)	

HARDWARE NEEDED:

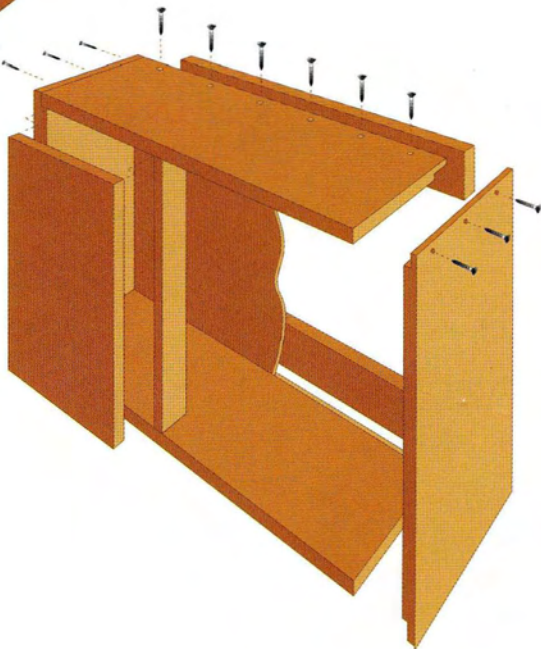
- 4 95°- opening European hinges
- 2 handles or pulls for the doors

color

finish



Reverse the cabinet to make the opposite hand version.



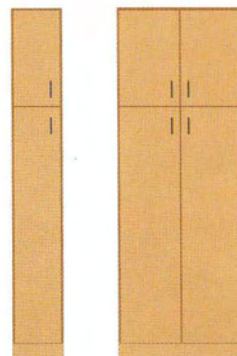
Door dimensions same as cabinet on page 175.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	30	(762)	cut 3/8 x 1 rabbet on back edge, 3/8 x 3/4 rabbet top and bottom
B	2	top and bottom	plywood	3/4	(19)	13	(330)	WX-3/4	(-19)	cut 3/8 x 1 rabbet on back edge
C	1	filler	plywood	3/4	(19)	12 1/4	(311)	28 1/2	(724)	
D	1	door support	plywood	3/4	(19)	2 1/4	(57)	28 1/2	(724)	
E	2	hanging strips	plywood	3/4	(19)	3	(76)	WX-3/4	(-19)	
F	1	back	plywood	3/4	(19)	WX-3/4	(-19)	29 1/4	(743)	

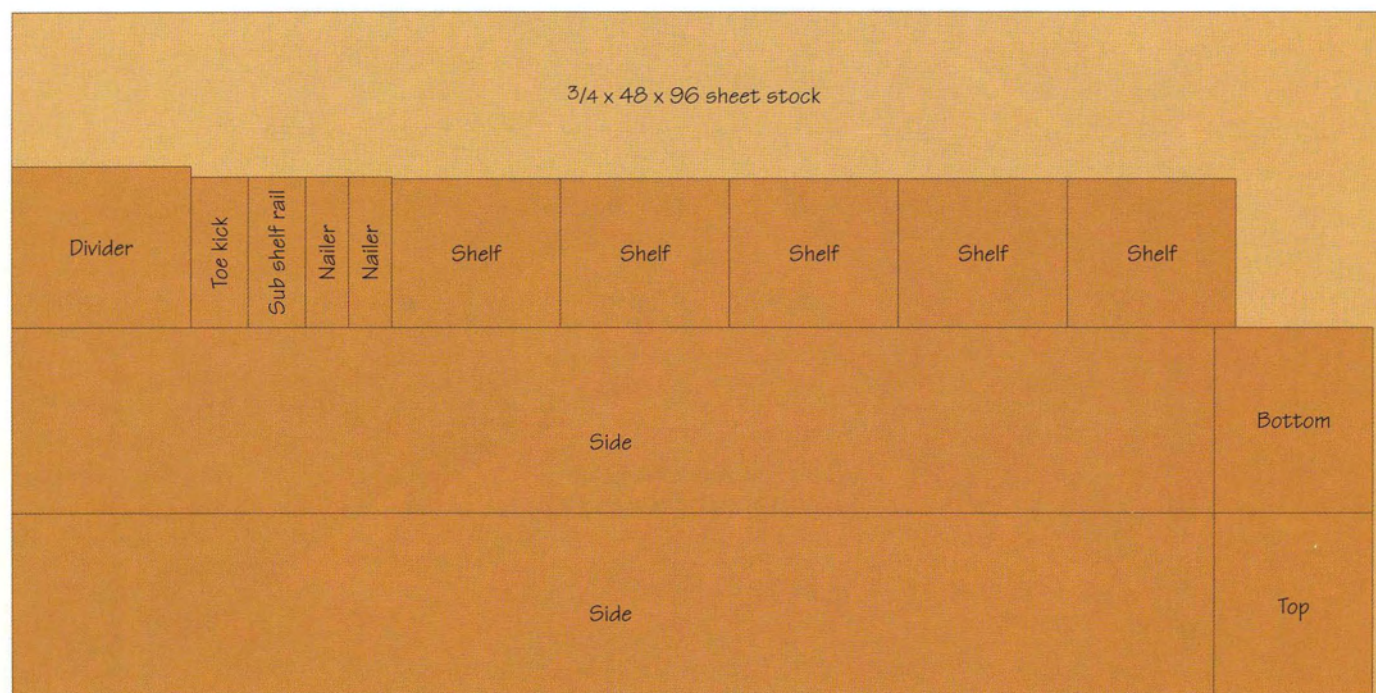


12"-deep pantry cabinets

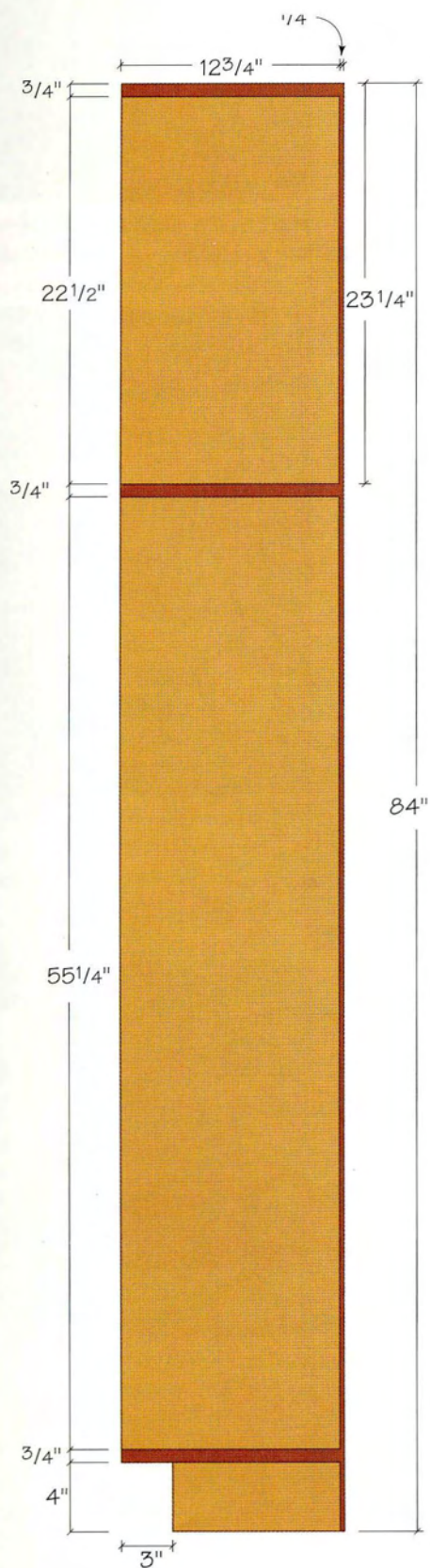


OPTIMIZATION OF PARTS

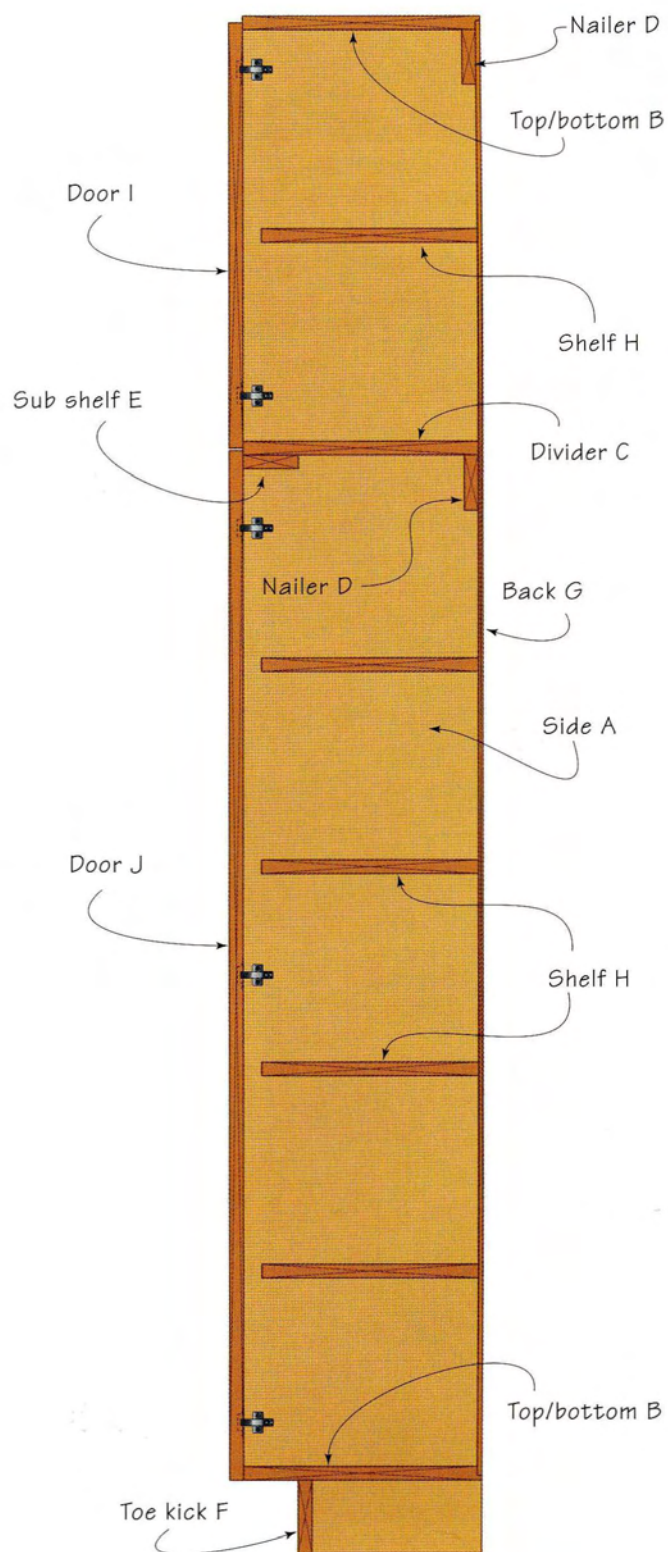
This optimization drawing is for a 12"-deep pantry cabinet. The layout of the parts will be similar for all sizes of 12"-deep pantry cabinets. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL





1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router setup on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to 4" and cut the dado for the bottom panel first. See the illustration for layout details.



2 Reset the fence to $23\frac{1}{4}$ " and cut the dado for the divider. If you're using your router, you can reset the fence on the router table (if the table is large enough) or use a straightedge to guide the router for this cut.



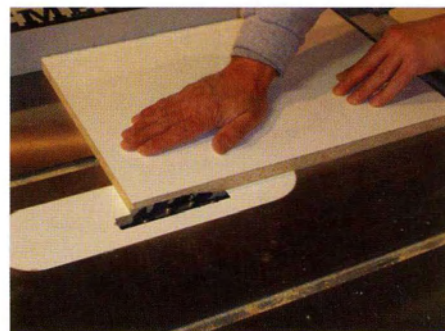
3 To cut the rabbet for the top, attach a sacrificial fence to the table saw's fence. Move the fence towards the dado cutter until the fence just touches the cutter. Make test cuts until the rabbet is the correct width.



4 Cut the rabbet for the top panel into the sides.



5 Reset the fence to $12\frac{3}{4}$ " and cut the rabbet for the back.



6 Cut the rabbets for the back panel in the top and bottom panels. Then cut the toe kick cutouts in the sides. See "Cutting Toe Kick Notches" on page 8.



7 Run a bead of glue in the dado for the bottom panel.



8 Stand the side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 2-3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



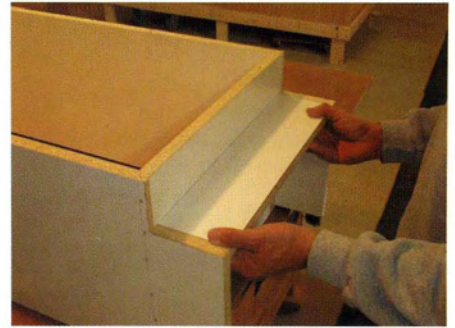
9 Attach the divider using staples or screws.



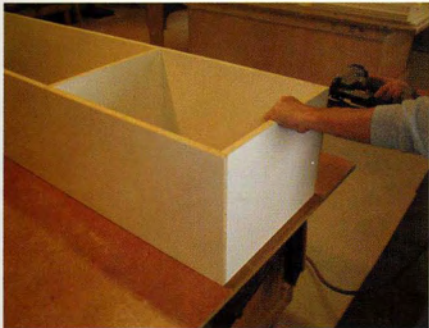
10 Starting at the bottom, attach the other side.



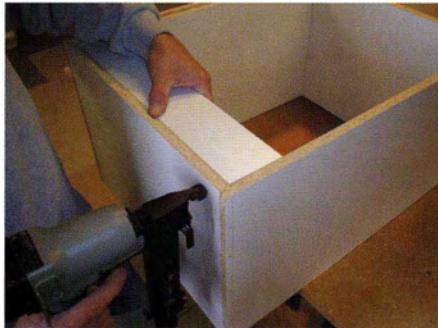
11 Continue up the cabinet and attach the divider to the side.



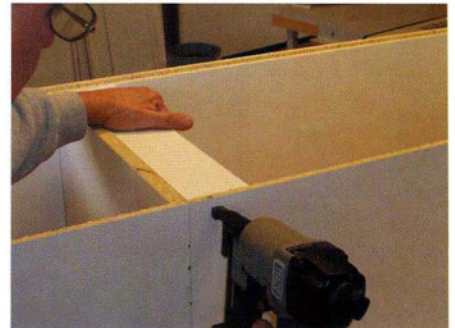
12 Install the toe kick between the sides.



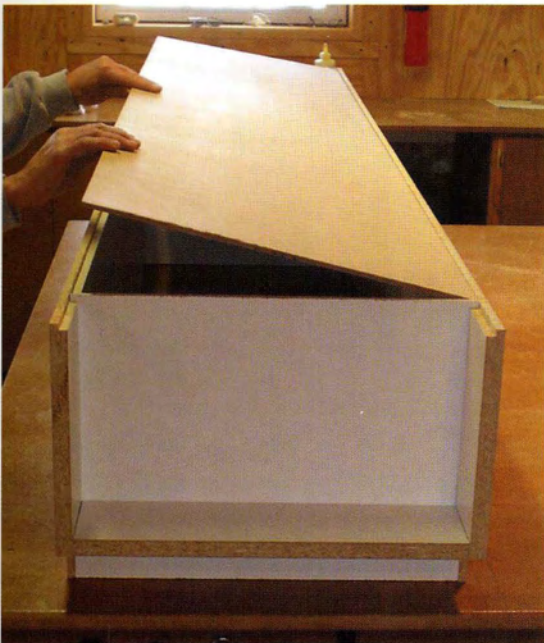
13 Attach the top panel using glue and staples or screws.



14 Attach the top nailer to the top panel.



15 Attach the second nailer to the divider.



16 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



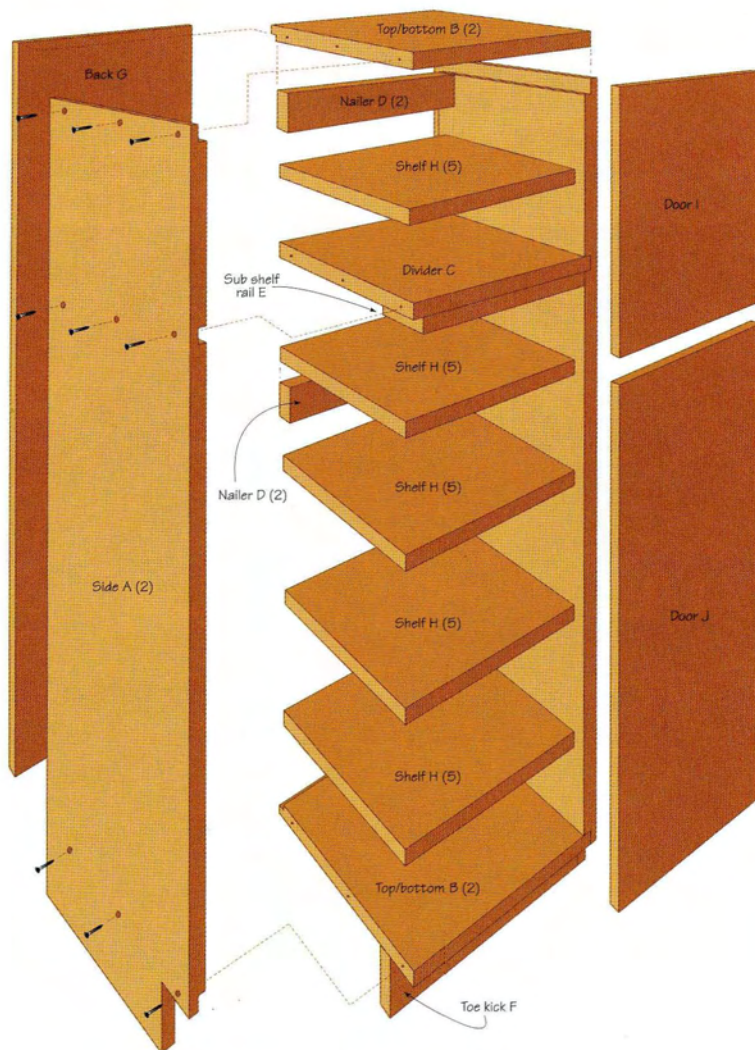
17 Finally, attach the back with glue and staples or nails.

P1212**HARDWARE NEEDED:**

- 5 95°- opening European hinges
 20 shelf supports (pins), either 5mm or 1/4" hole size required
 2 handles or pulls for the doors

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	13	(330)	11 1/4	(285)	cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	12 3/4	(324)	11 1/4	(285)	
D	2	nailers	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	10 1/2	(267)	
G	1	back	plywood	1/4	(6)	11 1/4	(285)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	11 3/4	(298)	10 3/8	(264)	
I	1	door	plywood	3/4	(19)	11 1/4	(285)	23 1/4	(591)	
J	1	door	plywood	3/4	(19)	11 1/4	(285)	56 1/4	(1429)	

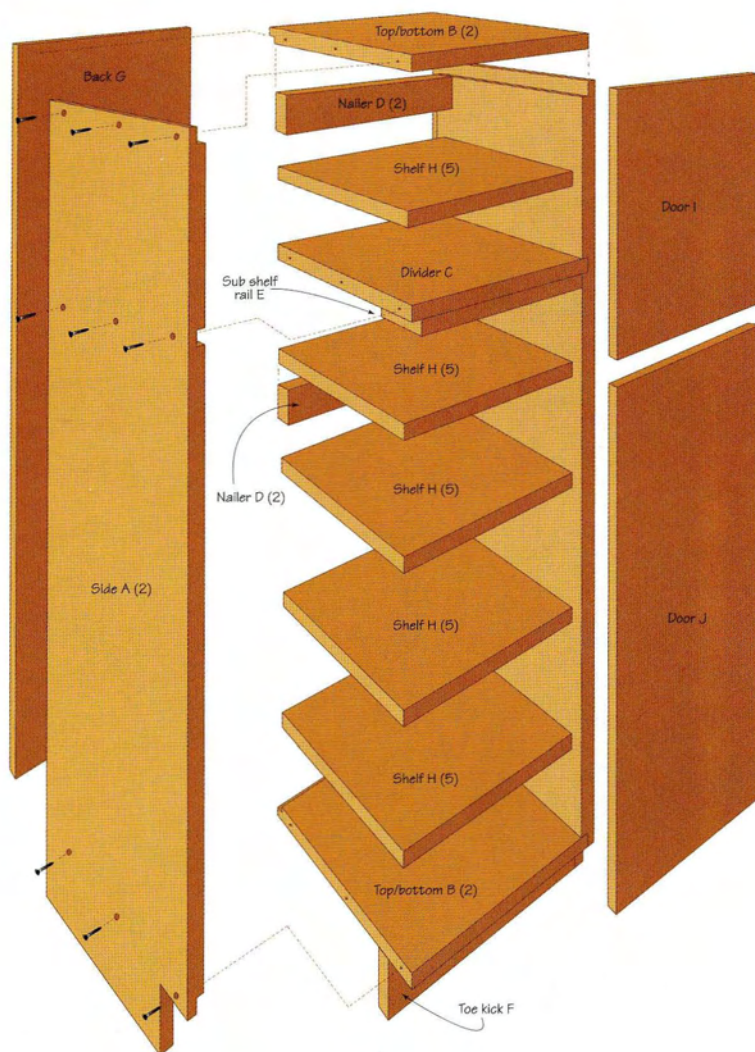
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	P1812		

HARDWARE NEEDED:

- 5 95°- opening European hinges
- 20 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish



inches (millimeters)

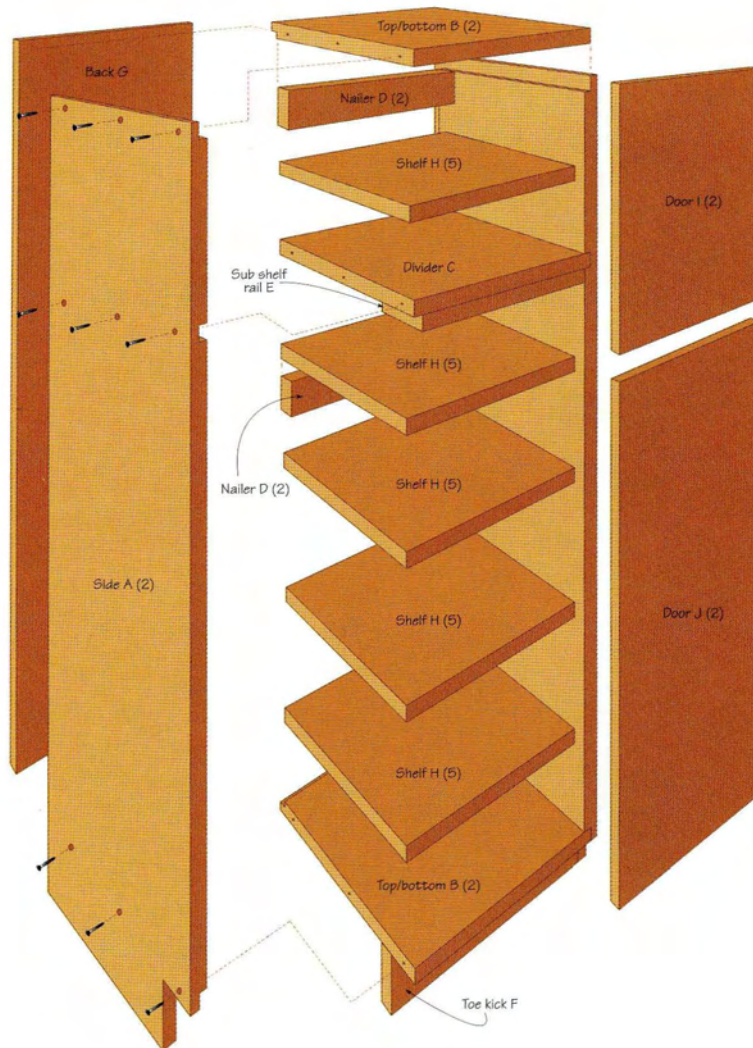
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	13	(330)	17 1/4	(438)	cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	12 3/4	(324)	17 1/4	(438)	
D	2	nailers	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	16 1/2	(419)	
G	1	back	plywood	1/4	(6)	17 1/4	(438)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	11 3/4	(298)	16 3/8	(416)	
I	1	door	plywood	3/4	(19)	17 1/4	(438)	23 1/4	(591)	
J	1	door	plywood	3/4	(19)	17 1/4	(438)	56 1/4	(1429)	

P2412**HARDWARE NEEDED:**

- 10 95°- opening European hinges
 20 shelf supports (pins), either 5mm or 1/4" hole size required
 4 handles or pulls for the doors

color

finish

**inches (millimeters)**

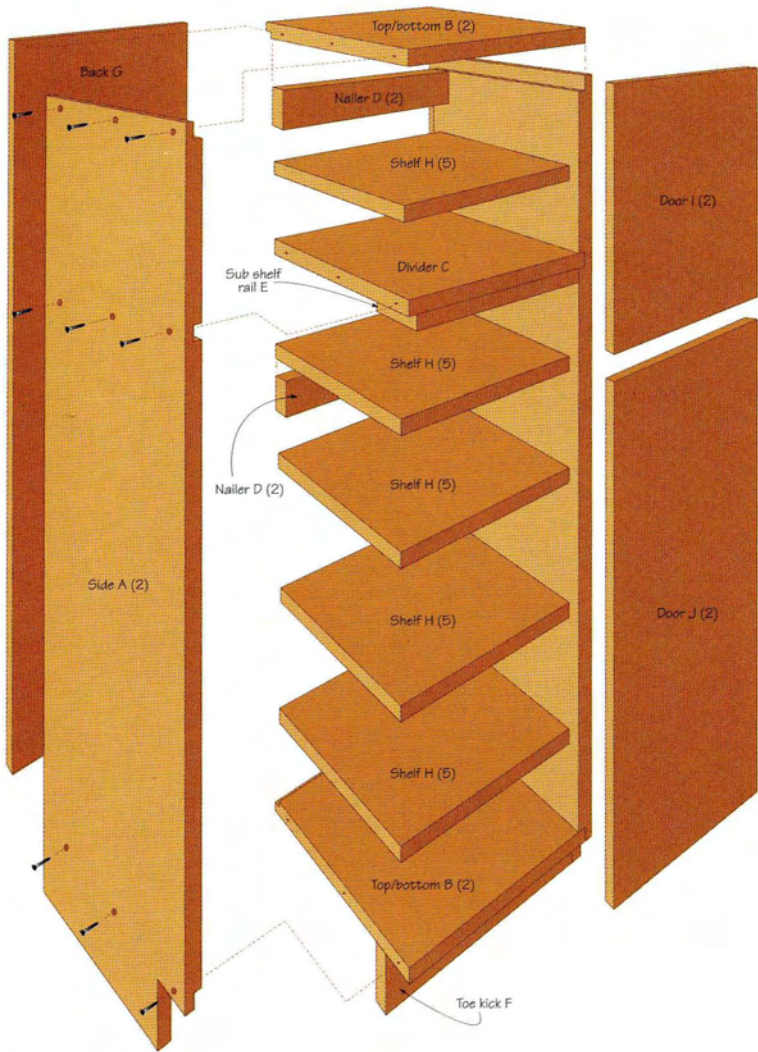
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	13	(330)	23 1/4	(590)	cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	12 3/4	(324)	23 1/4	(590)	
D	2	nailers	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	22 1/2	(572)	
G	1	back	plywood	1/4	(6)	23 1/4	(590)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	11 3/4	(298)	22 3/8	(569)	
I	2	doors	plywood	3/4	(19)	11 9/16	(293)	23 1/4	(591)	
J	2	doors	plywood	3/4	(19)	11 9/16	(293)	56 1/4	(1429)	

HARDWARE NEEDED:

- 1095°- opening European hinges
- 20shelf supports (pins), either 5mm or 1/4" hole size required
- 4handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	13	(330)	26 1/4	(666)	cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	12 3/4	(324)	26 1/4	(666)	
D	2	nailers	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	25 1/2	(648)	
G	1	back	plywood	1/4	(6)	26 1/4	(666)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	11 3/4	(298)	25 3/8	(645)	
I	2	doors	plywood	3/4	(19)	13 1/16	(332)	23 1/4	(591)	
J	2	doors	plywood	3/4	(19)	13 1/16	(332)	56 1/4	(1429)	

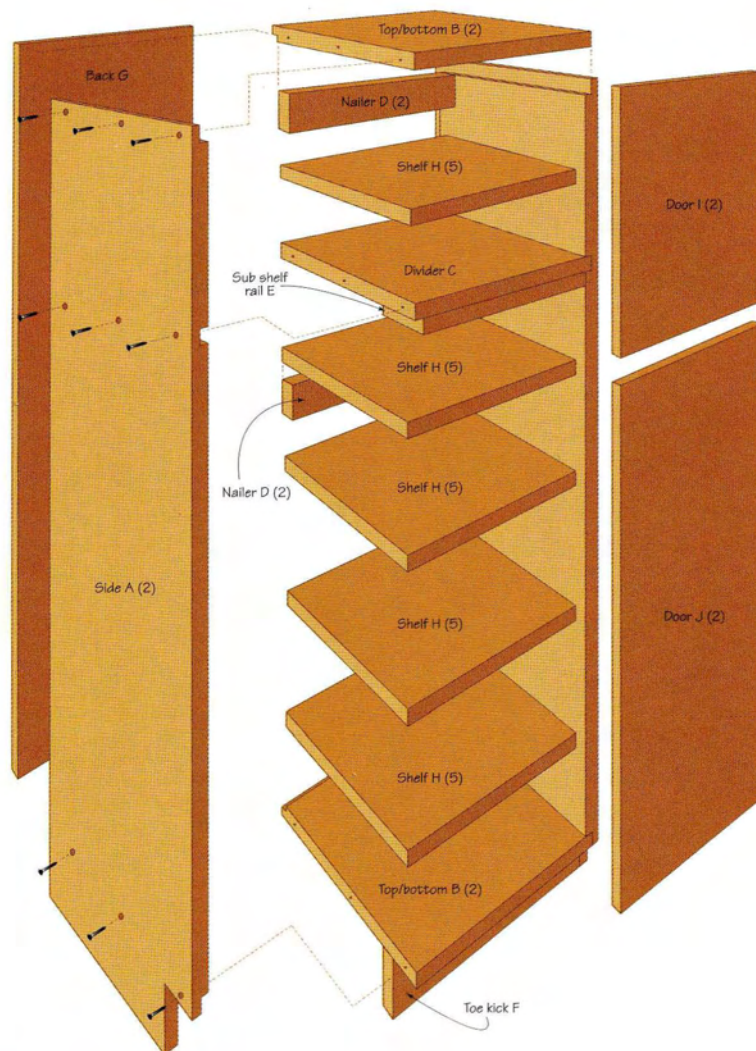
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	P3012		

HARDWARE NEEDED:

- 10 95°- opening European hinges
- 20 shelf supports (pins), either 5mm or 1/4" hole size required
- 4 handles or pulls for the doors

color

finish



inches (millimeters)

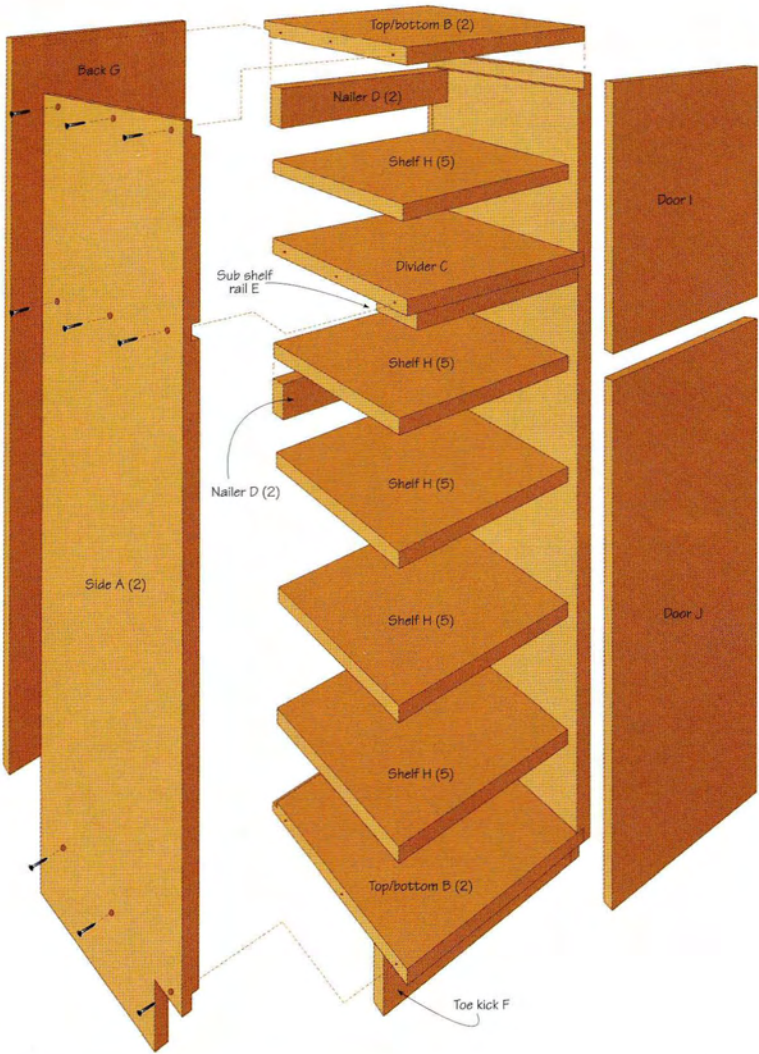
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	13	(330)	29 1/4	(743)	cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	12 3/4	(324)	29 1/4	(743)	
D	2	nailers	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	28 1/2	(724)	
G	1	back	plywood	1/4	(6)	29 1/4	(743)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	11 3/4	(298)	28 3/8	(721)	
I	2	doors	plywood	3/4	(19)	14 9/16	(370)	23 1/4	(591)	
J	2	doors	plywood	3/4	(19)	14 9/16	(370)	56 1/4	(1429)	

HARDWARE NEEDED:

- 10 95°- opening European hinges
- 20 shelf supports (pins), either 5mm or 1/4" hole size required
- 4 handles or pulls for the doors

color

finish

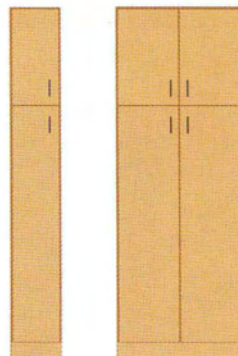


inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	13	(330)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	13	(330)	WX-3/4	(-19)	WX = width of cabinet, cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	12 3/4	(324)	WX-3/4	(-19)	
D	2	nailers	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	WX-1 1/2	(-38)	
G	1	back	plywood	1/4	(6)	WX-3/4	(-19)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	11 3/4	(298)	WX-1 5/8	(-41)	
I	2	doors	plywood	3/4	(19)	WX-3/4	(-19)	23 1/4	(591)	if two doors WX-7/8÷2 (-22÷2)
J	2	doors	plywood	3/4	(19)	WX-3/4	(-19)	56 1/4	(1429)	

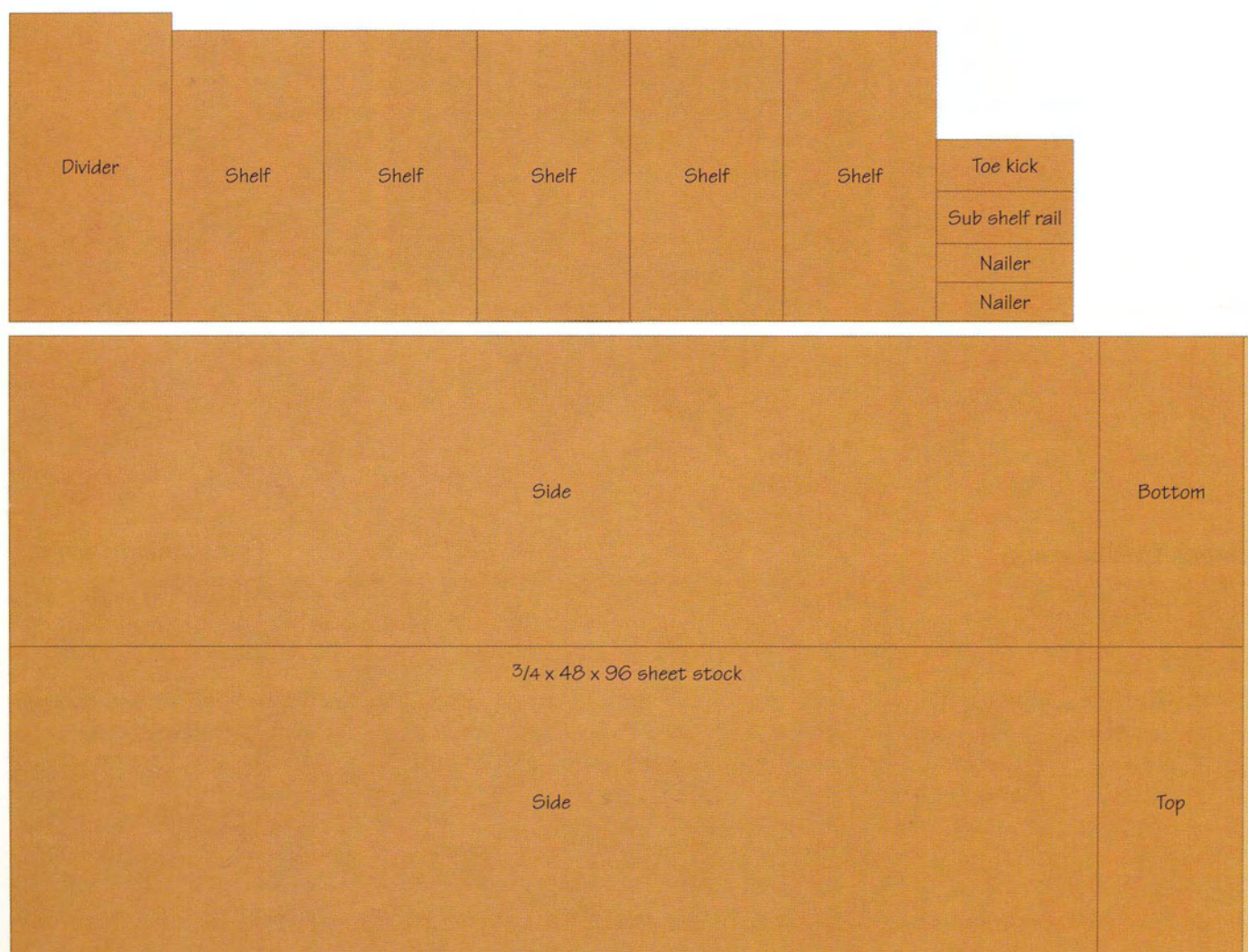


24"-deep pantry cabinets

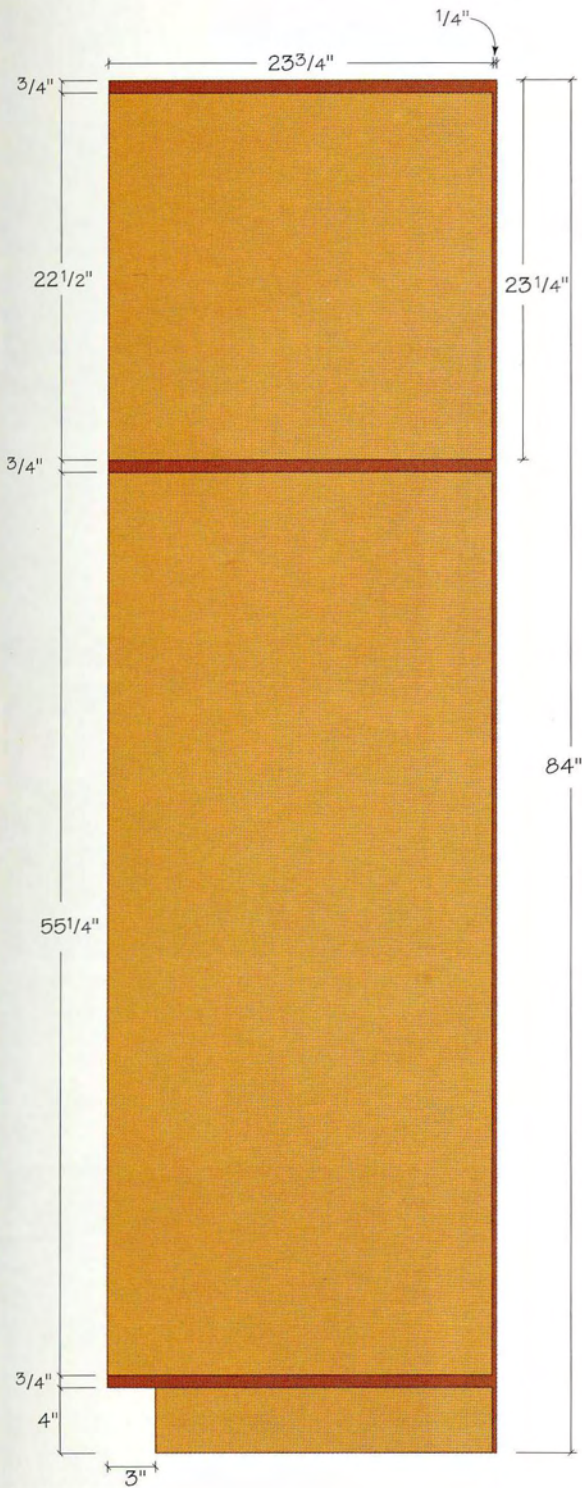


OPTIMIZATION OF PARTS

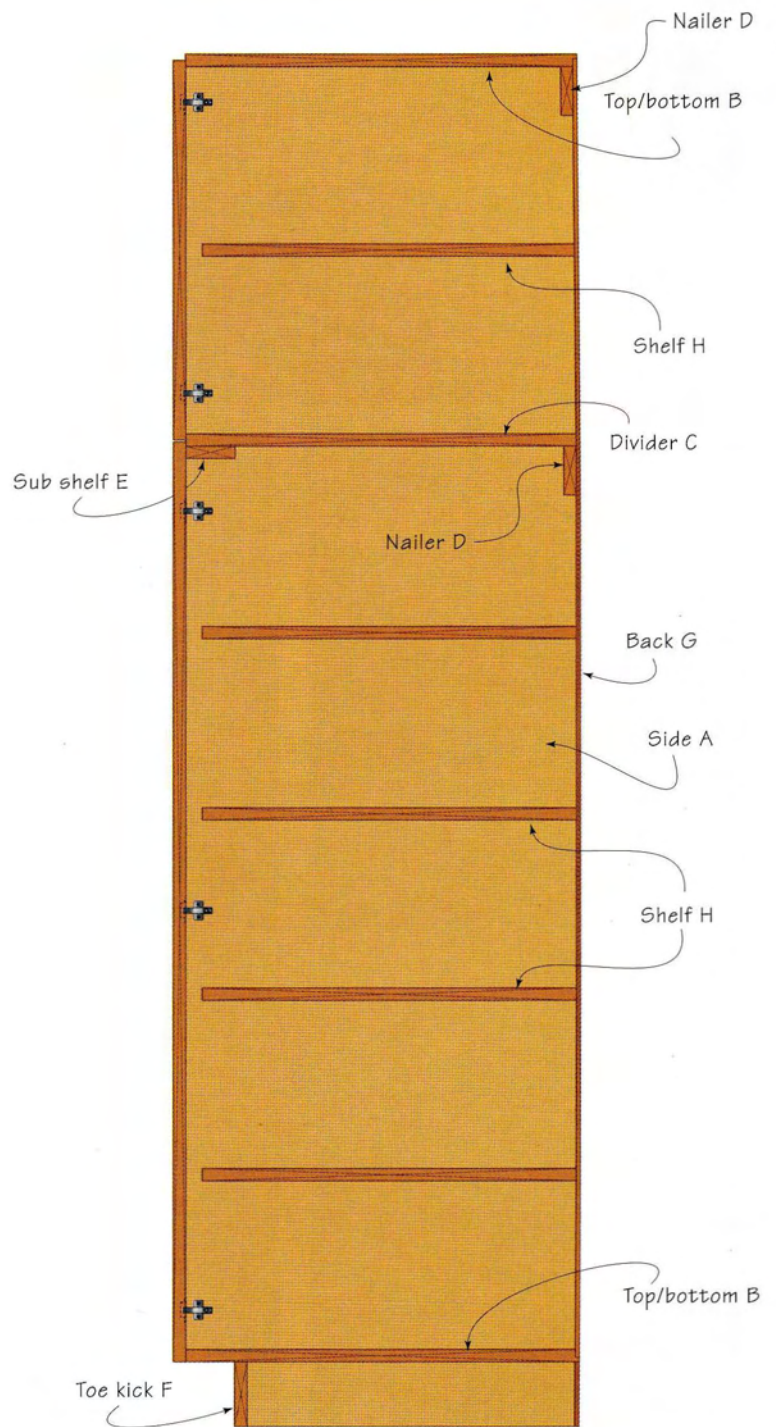
This optimization drawing is for a 24"-deep pantry cabinet. The layout of the parts will be similar for all sizes of 24"-deep pantry cabinets. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL





1 Cut all parts to size, then make the dado cuts. Set the dado-head cutter on your table saw to match the thickness of the panels you're using. (You can also use a router setup on a router table.) Cut the dados $\frac{3}{8}$ " deep. Set the fence to 4" and cut the dado for the bottom panel first. See the illustration for layout details.

2 Reset the fence to $23\frac{3}{4}$ " and cut the dado for the divider. If you're using your router, you can reset the fence on the router table (if the table is large enough) or use a straightedge to guide the router for this cut.



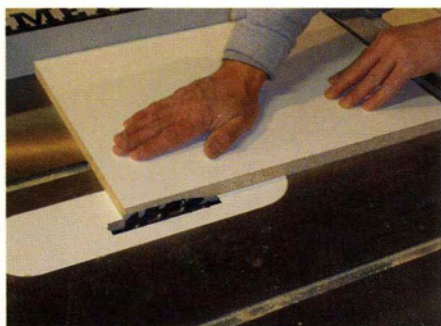
3 To cut the rabbet for the back, attach a sacrificial fence to the table saw's fence. Move the fence towards the dado cutter until the fence just touches the cutter. Make test cuts until the rabbet is the correct width.



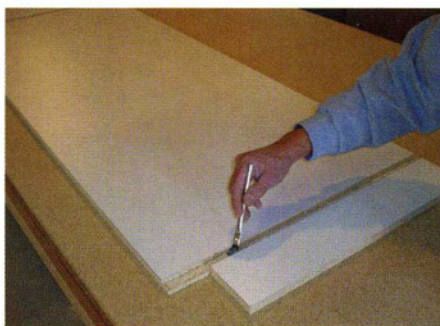
4 Cut the rabbets for the top panel into the sides.



5 Reset the fence to $23\frac{3}{4}$ " and cut the rabbet for the back in the sides.



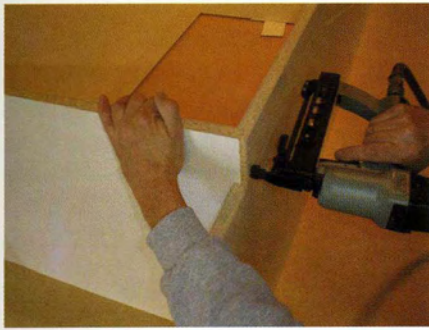
6 Cut the rabbets for the back panel in the top and bottom panels. Then cut the toe kick cutouts in the sides. See "Cutting Toe Kick Notches" on page 8.



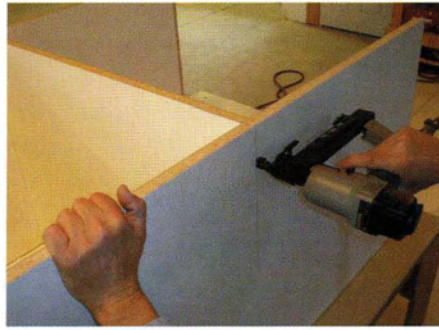
7 Run a bead of glue in the dado for the bottom panel.



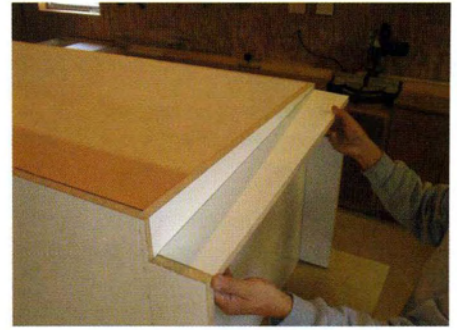
8 Stand the side face edge up and slide the bottom panel into the dado. Flush the face edges and nail through the side into the bottom panel. Use $1\frac{1}{4}$ " narrow-crown staples (spaced 2-3" apart) or 2"-long No.8 drywall screws (spaced about 4" apart).



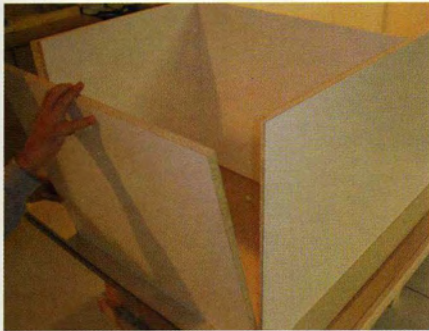
9 Attach the other side to the bottom.



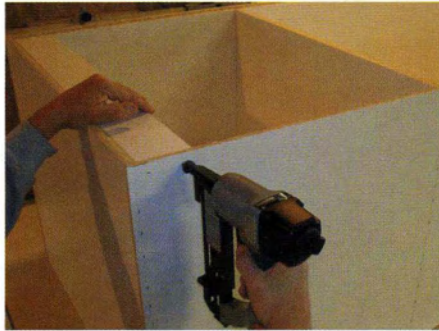
10 Attach the divider using staples or screws.



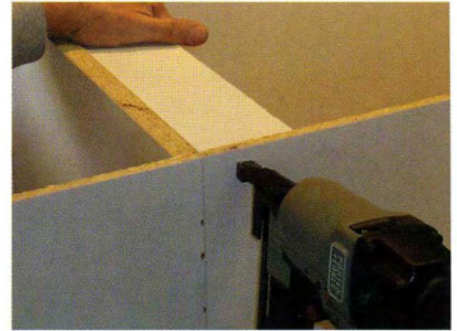
11 Install the toe kick between the sides.



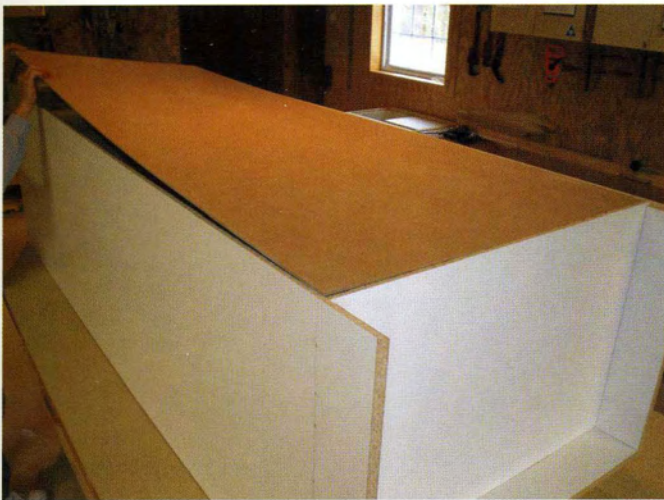
12 Attach the top panel using glue and staples or screws.



13 Attach the top nailer to the top panel.



14 Attach the second nailer to the divider.



15 Lay the cabinet face down. The back should fit snugly into the rabbets. The back will help square the cabinet, so a good fit is important. You can use a framing square or measure diagonally from top to bottom. Repeat with the opposite corners. If the cabinet is square, both measurements will be the same. If the measurements are not the same, adjust the longest dimension by pulling the corners diagonally together until the cabinet is square.



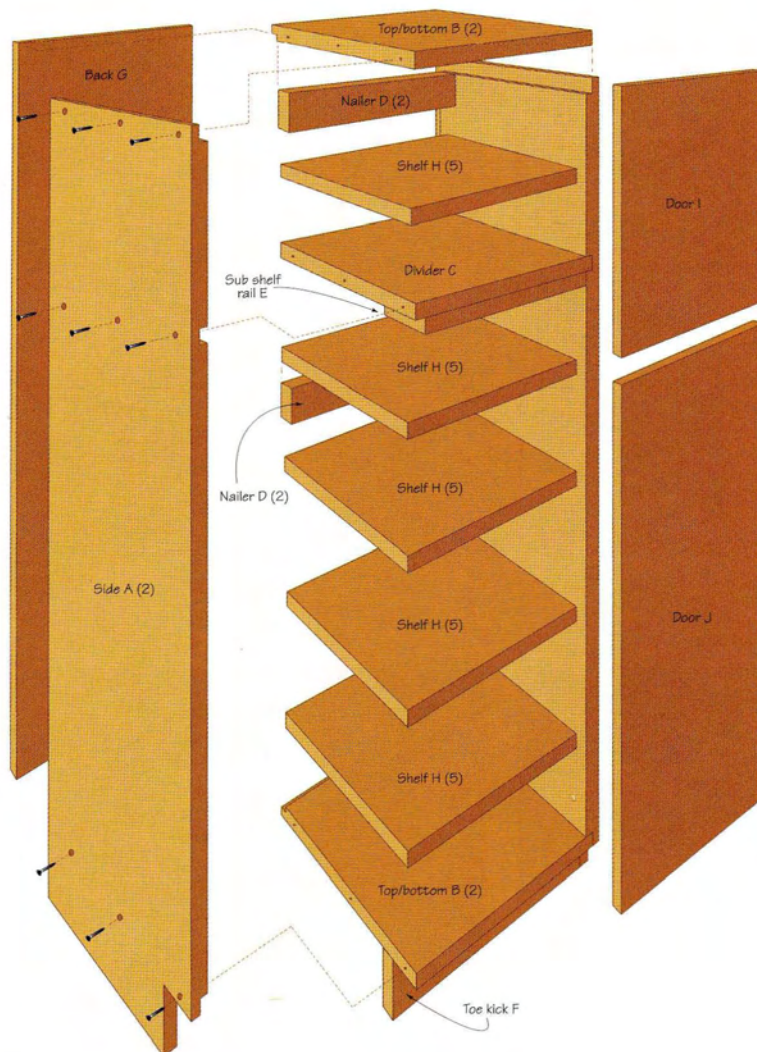
16 Finally, attach the back with glue and staples or nails.

P1224**HARDWARE NEEDED:**

- 5 95°- opening European hinges
 20 shelf supports (pins), either 5mm or 1/4" hole size required
 2 handles or pulls for the doors

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	24	(610)	11 1/4	(285)	cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	23 3/4	(603)	11 1/4	(285)	
D	2	nailers	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	10 1/2	(267)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	10 1/2	(267)	
G	1	back	plywood	1/4	(6)	11 1/4	(285)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	22 3/4	(578)	10 3/8	(264)	
I	1	door	plywood	3/4	(19)	11 1/4	(285)	23 1/4	(590)	
J	1	door	plywood	3/4	(19)	11 1/4	(285)	56 1/4	(1429)	

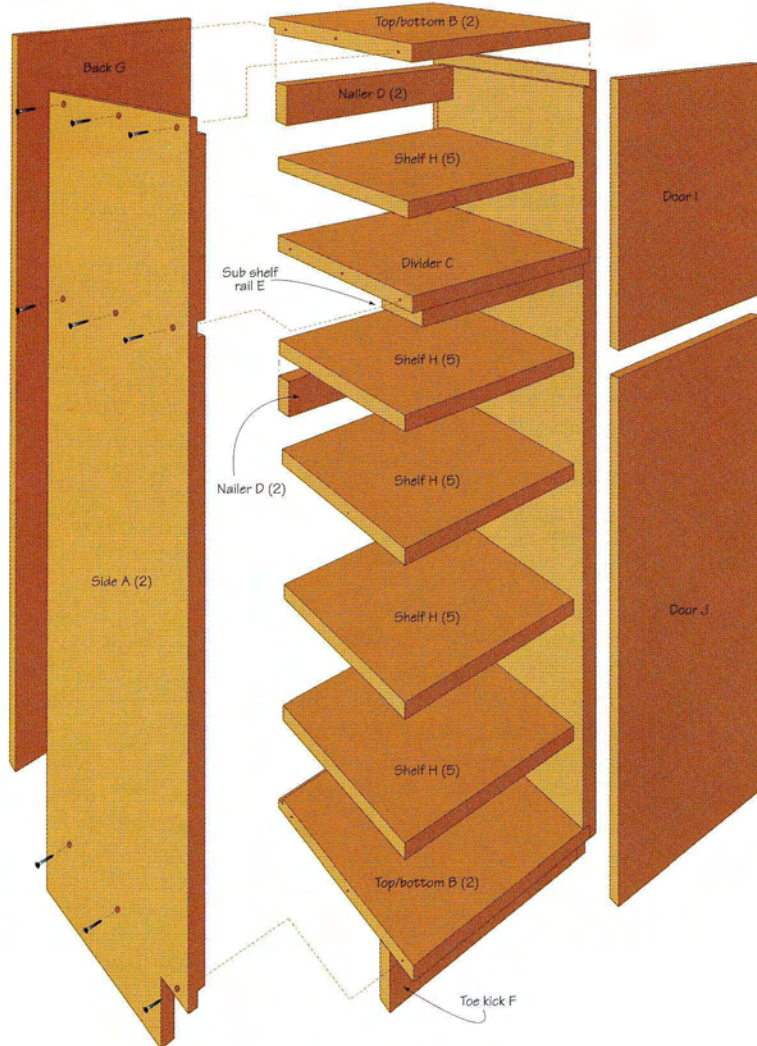
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	P1824		

HARDWARE NEEDED:

- 5 95°- opening European hinges
- 20 shelf supports (pins), either 5mm or 1/4" hole size required
- 2 handles or pulls for the doors

color

finish



P1824

inches (millimeters)

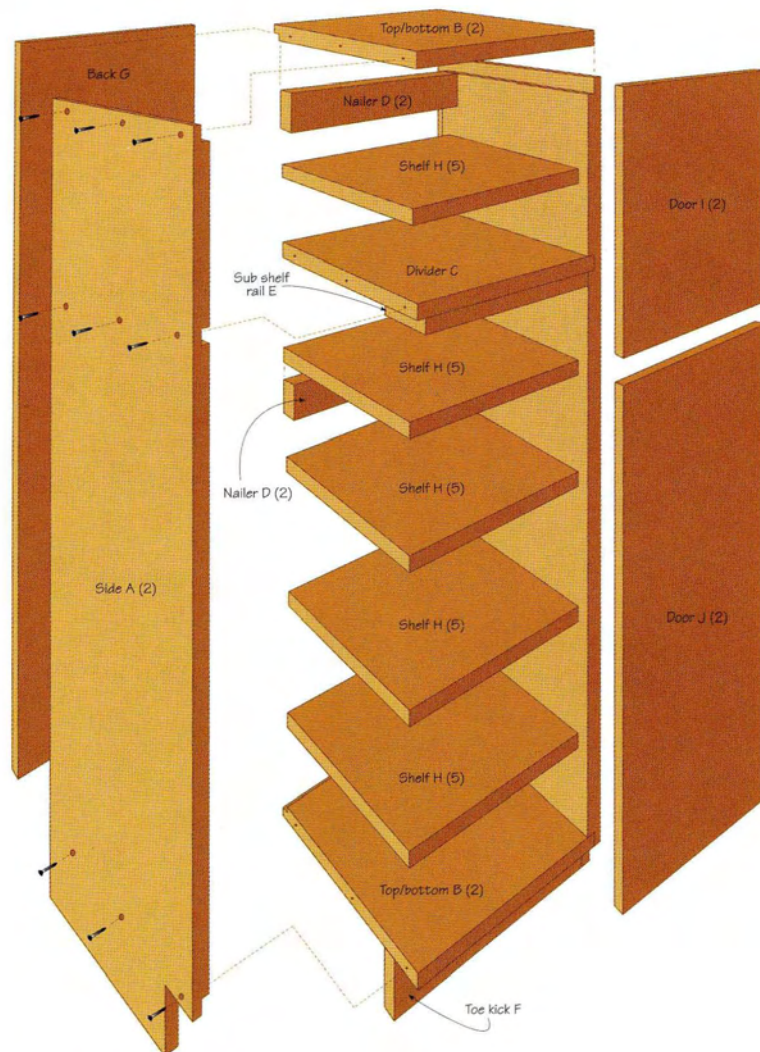
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	24	(610)	17 1/4	(438)	cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	23 3/4	(603)	17 1/4	(438)	
D	2	nailers	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	16 1/2	(419)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	16 1/2	(419)	
G	1	back	plywood	1/4	(6)	17 1/4	(438)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	22 3/4	(578)	16 3/8	(416)	
I	1	door	plywood	3/4	(19)	17 1/4	(438)	23 1/4	(590)	
J	1	door	plywood	3/4	(19)	17 1/4	(438)	56 1/4	(1429)	

P2424**HARDWARE NEEDED:**

- 10 95°- opening European hinges
 20 shelf supports (pins), either 5mm or 1/4" hole size required
 4 handles or pulls for the doors

color

finish

**inches (millimeters)**

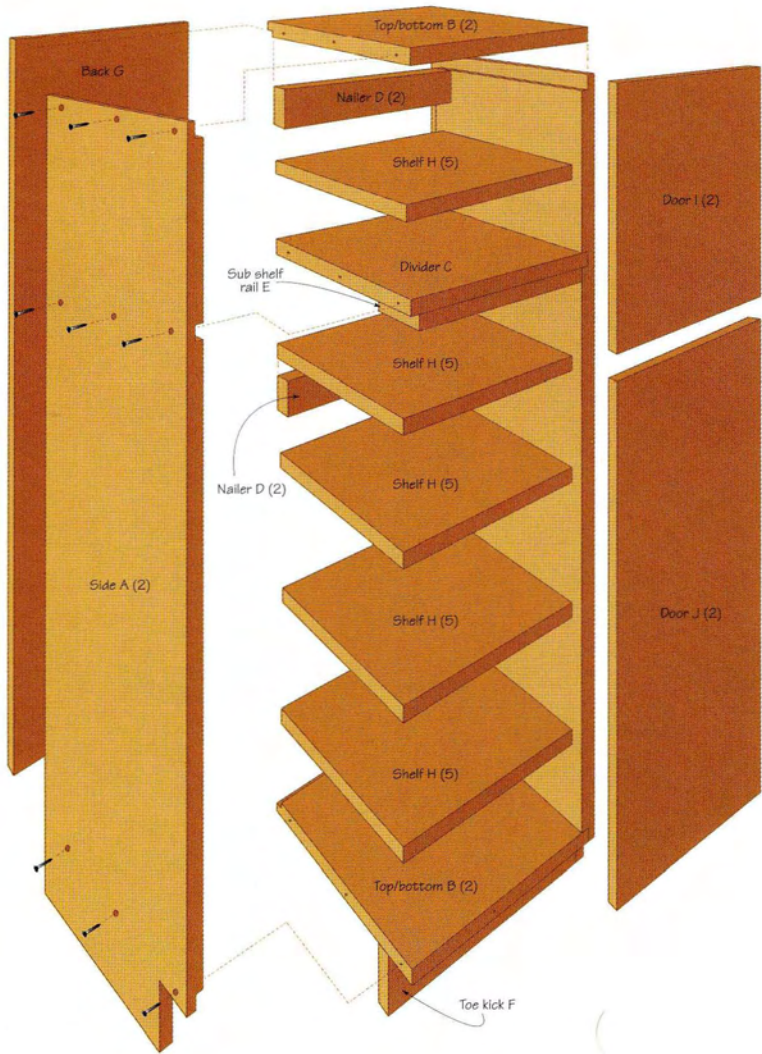
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	24	(610)	23 1/4	(590)	cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	23 3/4	(603)	23 1/4	(590)	
D	2	nailers	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	22 1/2	(572)	
G	1	back	plywood	1/4	(6)	23 1/4	(590)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	22 3/4	(578)	22 3/8	(569)	
I	2	doors	plywood	3/4	(19)	11 9/16	(293)	23 1/4	(590)	
J	2	doors	plywood	3/4	(19)	11 9/16	(293)	56 1/4	(1429)	

HARDWARE NEEDED:

- 10 95°- opening European hinges
- 20 shelf supports (pins), either 5mm or 1/4" hole size required
- 4 handles or pulls for the doors

color

finish



P2724

inches (millimeters)

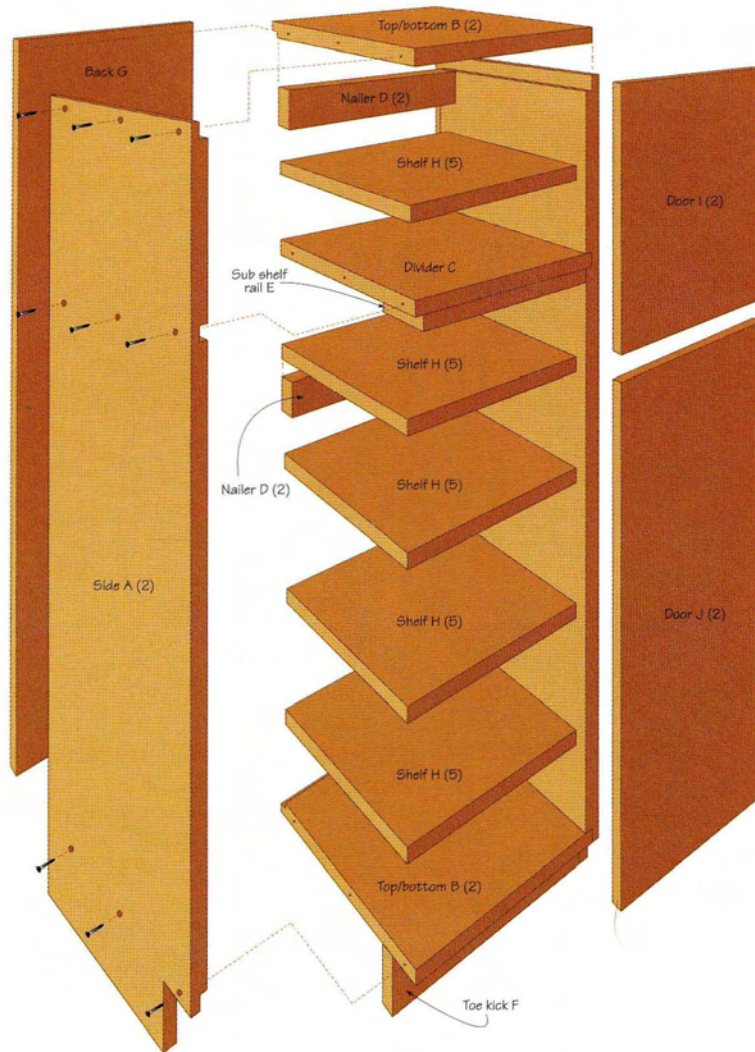
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	24	(610)	26 1/4	(666)	cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	23 3/4	(603)	26 1/4	(666)	
D	2	nailers	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	25 1/2	(648)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	25 1/2	(648)	
G	1	back	plywood	1/4	(6)	26 1/4	(666)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	22 3/4	(578)	25 3/8	(645)	
I	2	doors	plywood	3/4	(19)	13 1/16	(332)	23 1/4	(590)	
J	2	doors	plywood	3/4	(19)	13 1/16	(332)	56 1/4	(1429)	

P3024**HARDWARE NEEDED:**

- 10 95°- opening European hinges
 20 shelf supports (pins), either 5mm or 1/4" hole size required
 4 handles or pulls for the doors

color

finish

**inches (millimeters)**

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	24	(610)	29 1/4	(743)	cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	23 3/4	(603)	29 1/4	(743)	
D	2	nailers	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	28 1/2	(724)	
G	1	back	plywood	1/4	(6)	29 1/4	(743)	79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	22 3/4	(578)	28 3/8	(721)	
I	2	doors	plywood	3/4	(19)	14 9/16	(370)	23 1/4	(590)	
J	2	doors	plywood	3/4	(19)	14 9/16	(370)	56 1/4	(1429)	

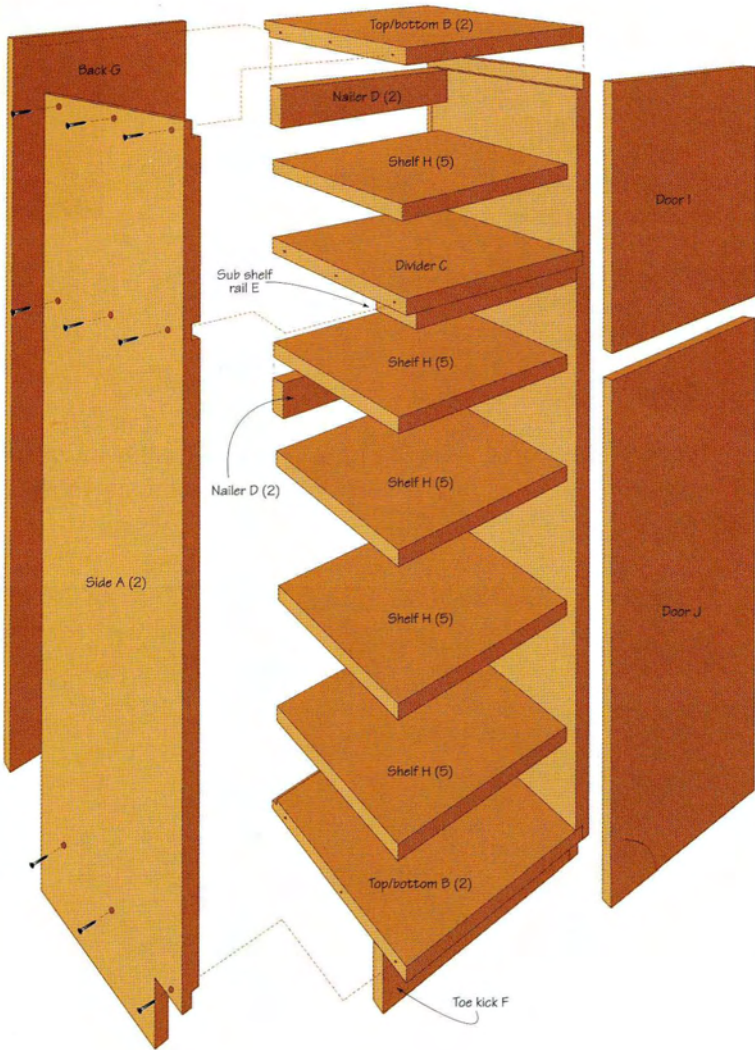
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	PWX24		

HARDWARE NEEDED:

- 10
- 95°- opening European hinges
- 20
- shelf supports (pins), either 5mm or 1/4" hole size required
- 4
- handles or pulls for the doors

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	84	(2134)	cut 1/4 x 3/8 dado back edge and 3/8 x 3/4 dado top, bottom and divider
B	2	top and bottom	plywood	3/4	(19)	24	(610)	WX-3/4 (-19)		WX = width of cabinet, cut 1/4 x 3/8 dado back edge
C	1	divider	plywood	3/4	(19)	23 3/4	(603)	WX-3/4 (-19)		
D	2	nailers	plywood	3/4	(19)	3	(76)	WX-1 1/2(-38)		
E	1	sub shelf rail	plywood	3/4	(19)	3	(76)	WX-1 1/2(-38)		
F	1	toe kick	plywood	3/4	(19)	4	(102)	WX-1 1/2(-38)		
G	1	back	plywood	1/4	(6)	WX-3/4 (-19)		79 1/2	(2020)	
H	5	shelves	plywood	3/4	(19)	22 3/4	(578)	WX-1 5/8(-41)		
I	2	doors	plywood	3/4	(19)	WX-3/4 (-19)		23 1/4	(590)	if two doors WX-7/8÷2
J	2	doors	plywood	3/4	(19)	WX-3/4 (-19)		56 1/4	(1429)	



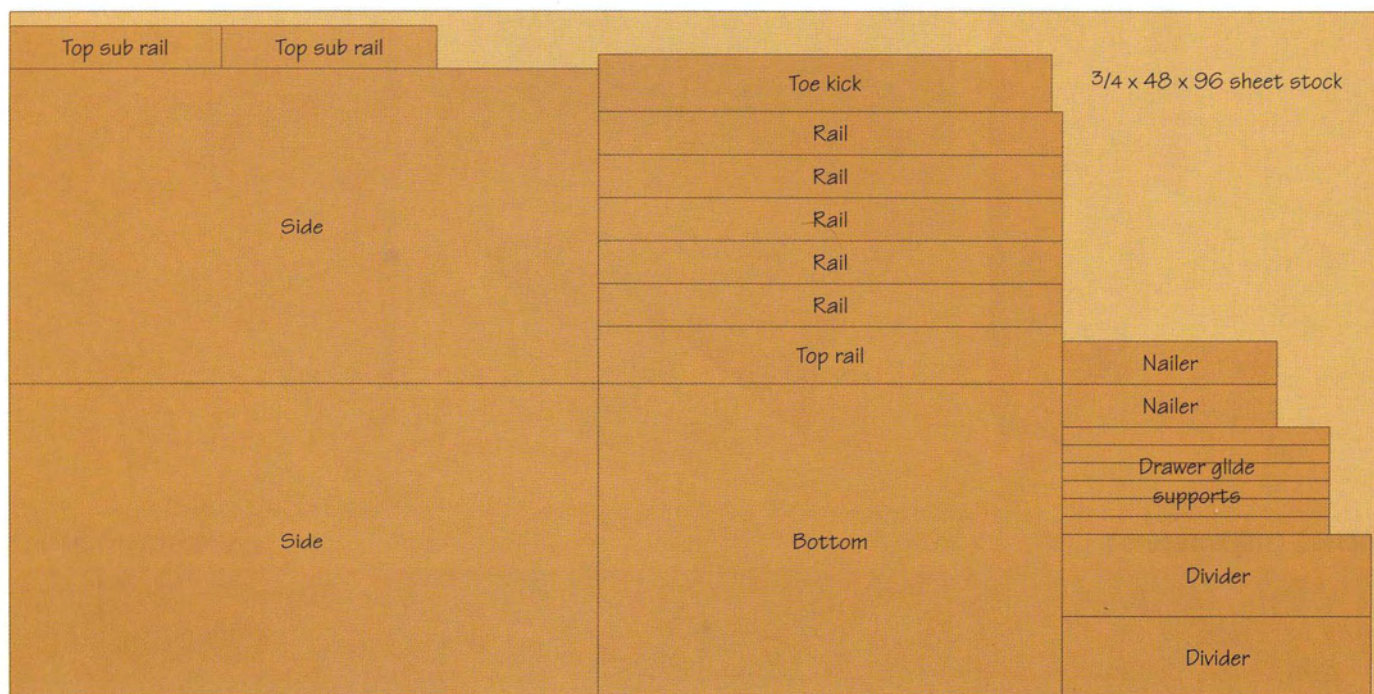
dressers

Dressers can be fitted with the tops described on pages 233 and 235. Make the tops to match the dresser cabinet's dimensions.

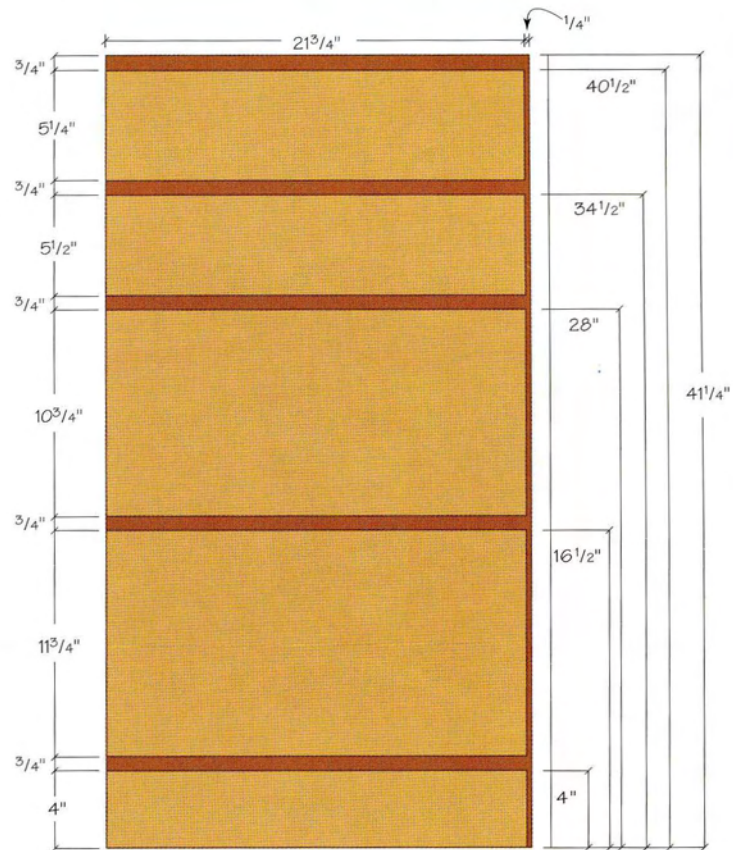


OPTIMIZATION OF PARTS

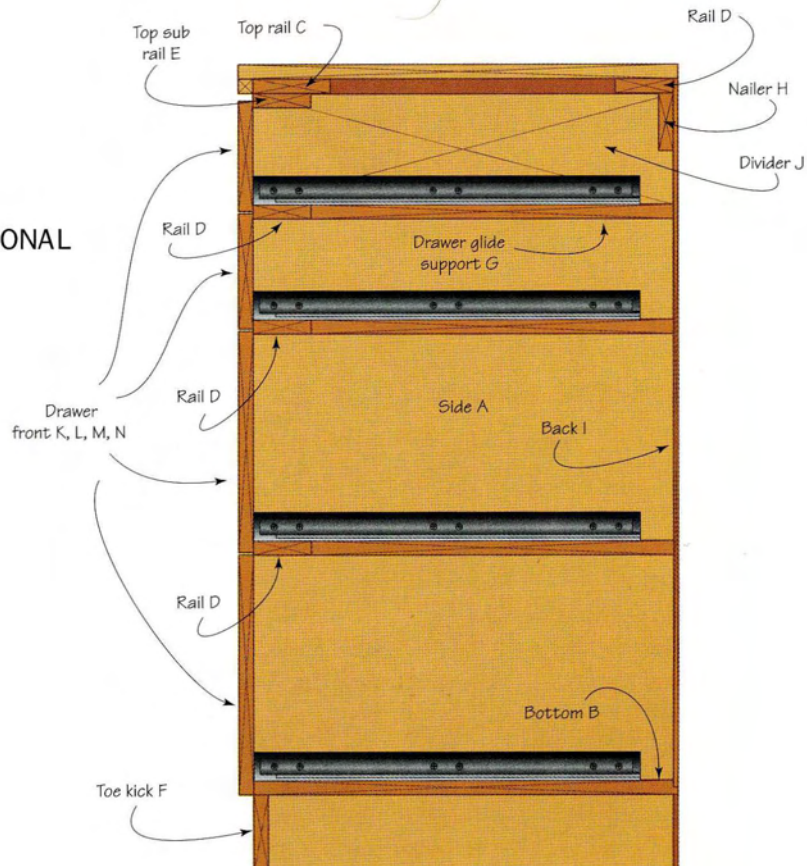
This optimization drawing is for a dresser. The layout of the parts will be similar for all sizes of dressers. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL

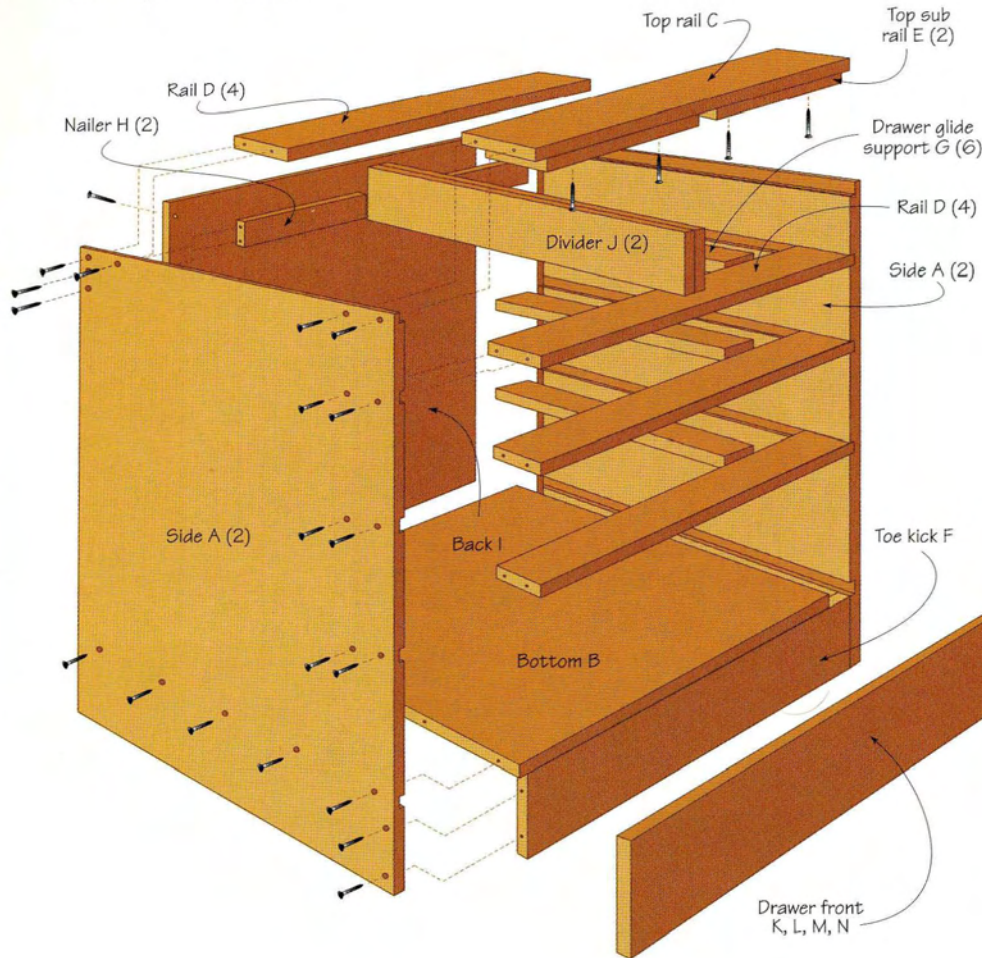


DRESSER30**HARDWARE NEEDED:**

5 sets 20" - full extension drawer slides
 5 handles or pulls for the drawers

color

finish



Assembly of the dresser is the same as for the base cabinet with drawers except there is no toe-kick cutout.

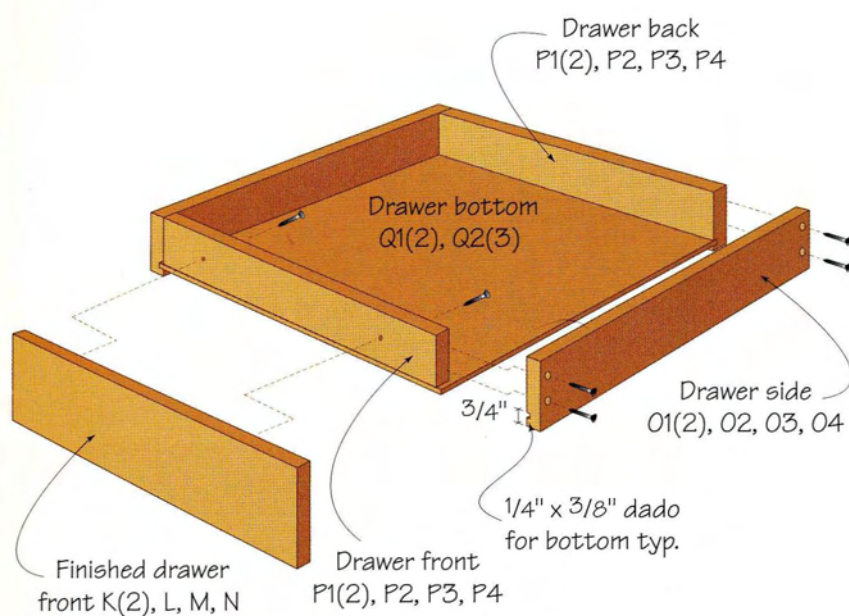
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	$\frac{3}{4}$	(19)	22	(559)	$41\frac{1}{4}$	(1047)	$\frac{3}{8} \times \frac{3}{4}$ dadoes top, bottom, drawers and $\frac{1}{4} \times \frac{3}{8}$ for back
B	1	bottom	plywood	$\frac{3}{4}$	(19)	22	(559)	$WX - \frac{3}{4}$	(-19)	$\frac{1}{4} \times \frac{3}{8}$ dado in back edge WX= width of cabinet
C	1	top rail	plywood	$\frac{3}{4}$	(19)	4	(102)	$WX - \frac{3}{4}$	(-19)	
D	4	rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$WX - \frac{3}{4}$	(-19)	
E	2	top sub rails	plywood	$\frac{3}{4}$	(19)	3	(76)	$WX - 3 \div 2$	(-76)	
F	1	toe kick	plywood	$\frac{3}{4}$	(19)	4	(102)	$WX - 1\frac{1}{2}$	(-38)	
G	6	drawer glide supports	plywood	$\frac{3}{4}$	(19)	$1\frac{1}{4}$	(32)	$18\frac{3}{4}$	(476)	
H	2	nailers	plywood	$\frac{3}{4}$	(19)	3	(76)	$WX - 3 \div 2$	(-76)	
I	1	back	plywood	$\frac{1}{4}$	(6)	$WX - \frac{3}{4}$	(-19)	$36\frac{7}{8}$	(936)	
J	2	dividers	plywood	$\frac{3}{4}$	(19)	$5\frac{3}{4}$	(146)	$21\frac{3}{4}$	(552)	nailed together
K	2	finished drawer fronts	plywood	$\frac{3}{4}$	(19)	$5\frac{3}{4}$	(146)	$WX - 1\frac{1}{2} \div 2$	(-38)	
L	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	6	(152)	$WX - \frac{3}{4}$	(-19)	
M	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$11\frac{1}{2}$	(292)	$WX - \frac{3}{4}$	(-19)	
N	1	finished drawer front	plywood	$\frac{3}{4}$	(19)	$12\frac{1}{2}$	(318)	$WX - \frac{3}{4}$	(-19)	

DRESSER DRAWERS

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
O1	4	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	
O2	2	drawer sides	plywood	3/4	(19)	4	(102)	20	(508)	
O3	2	drawer sides	plywood	3/4	(19)	9	(229)	20	(508)	
O4	2	drawer sides	plywood	3/4	(19)	10	(254)	20	(508)	
P1	4	drawer fronts and backs	plywood	3/4	(19)	4	(102)	11	(279)	cut fronts 3/4 narrower than backs
P2	2	drawer fronts and backs	plywood	3/4	(19)	4	(102)	26	(660)	cut fronts 3/4 narrower than backs
P3	2	drawer fronts and backs	plywood	3/4	(19)	9	(229)	26	(660)	cut fronts 3/4 narrower than backs
P4	2	drawer fronts and backs	plywood	3/4	(19)	10	(254)	26	(660)	cut fronts 3/4 narrower than backs
Q1	2	bottoms	plywood	1/4	(6)	19 9/16	(497)	11 3/4	(298)	
Q2	3	bottoms	plywood	1/4	(6)	19 9/16	(497)	26 3/4	(679)	



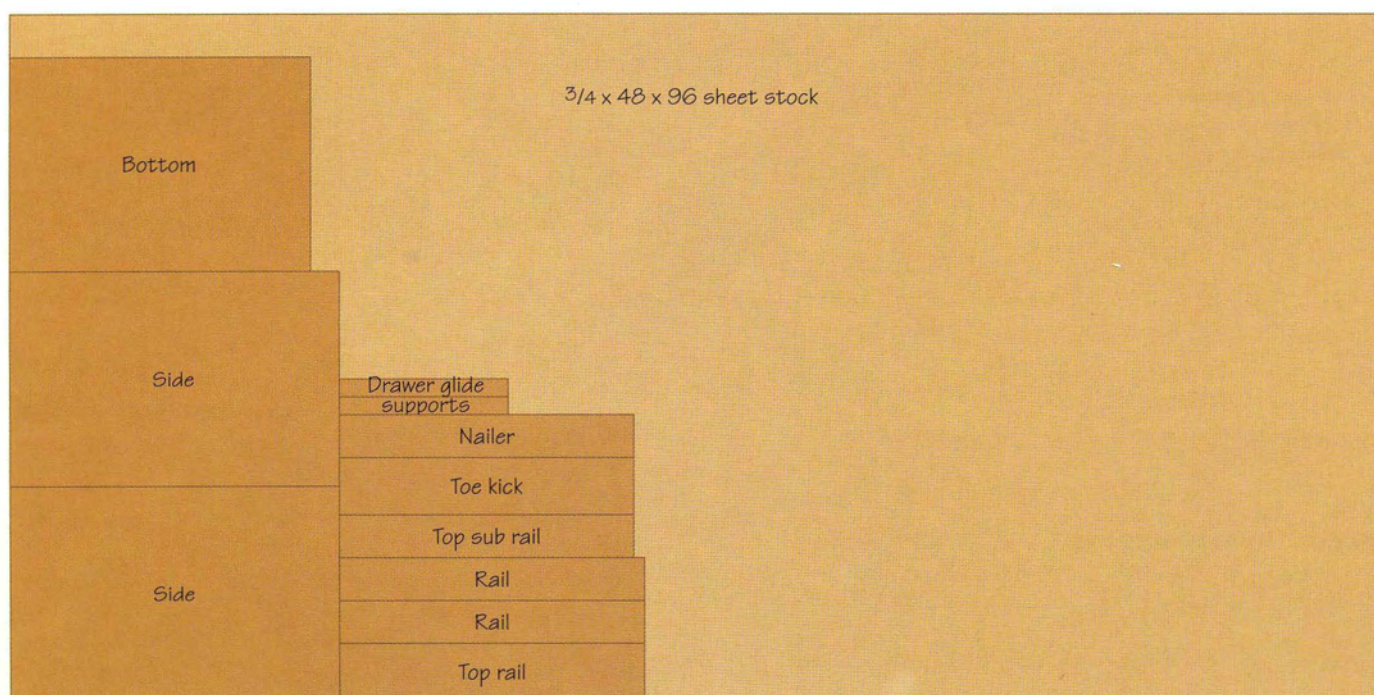
nightstands

Nightstands can be fitted with the tops described on pages 233 and 235. Make the tops to match the nightstand cabinet's dimensions.

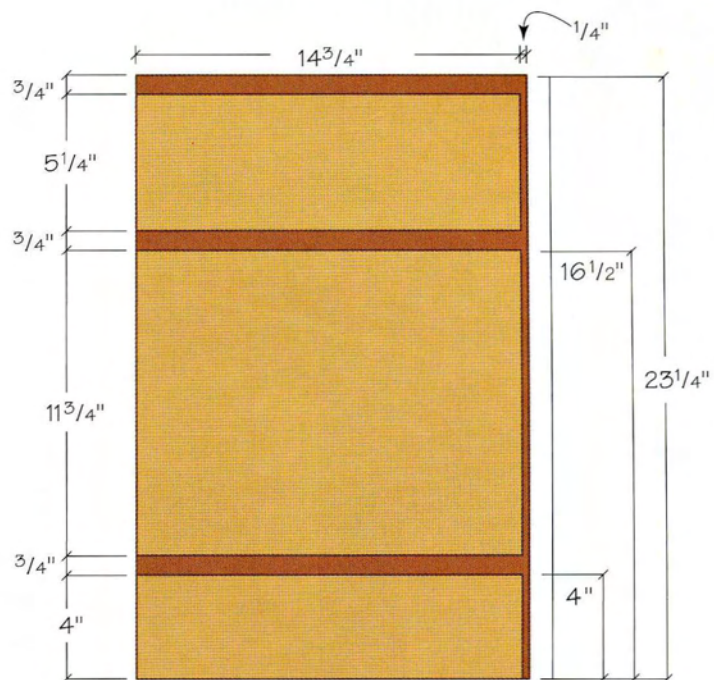


OPTIMIZATION OF PARTS

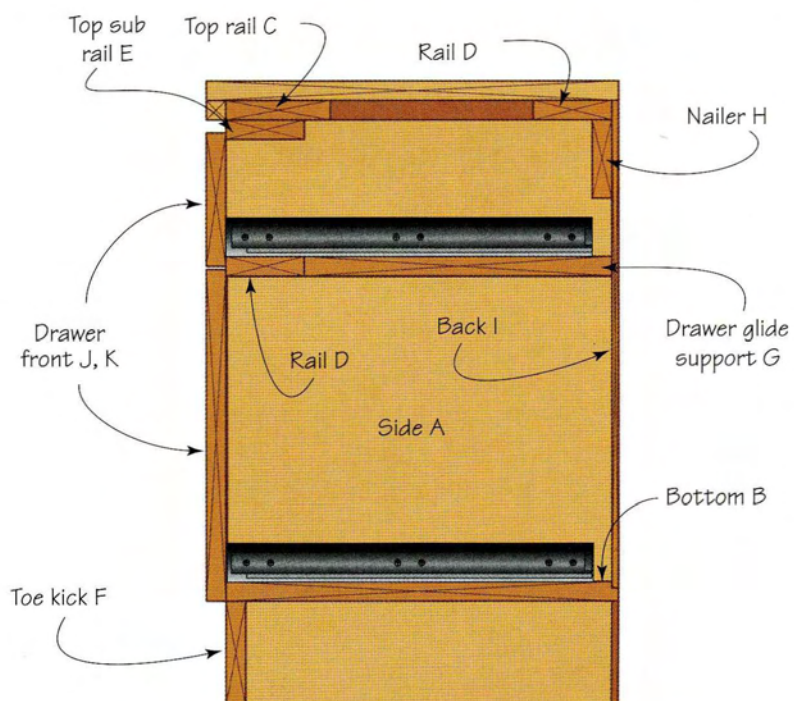
This optimization drawing is for a nightstand will be similar for all sizes of nightstands. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL



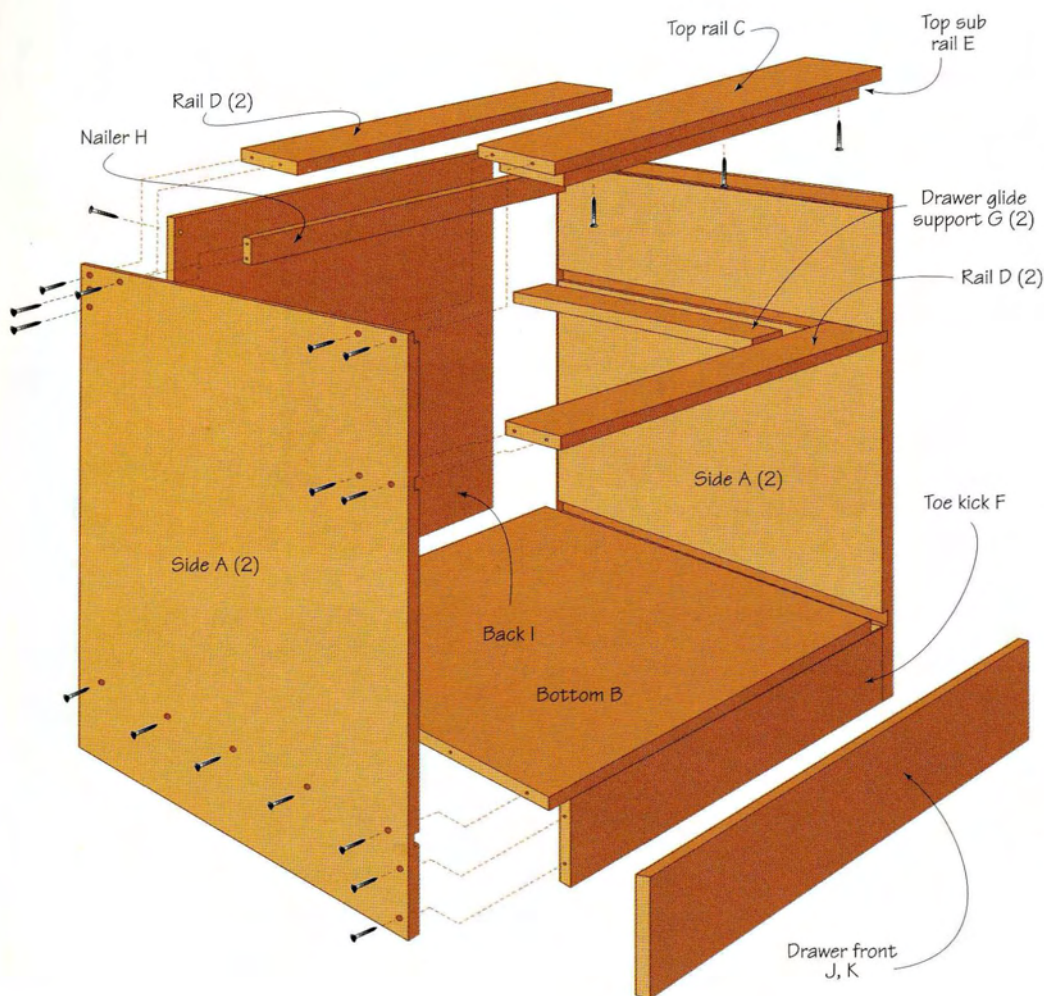
NIGHTSTAND22**HARDWARE NEEDED:**

2 sets 20" - full extension drawer slides

2 handles or pulls for the drawers

color

finish



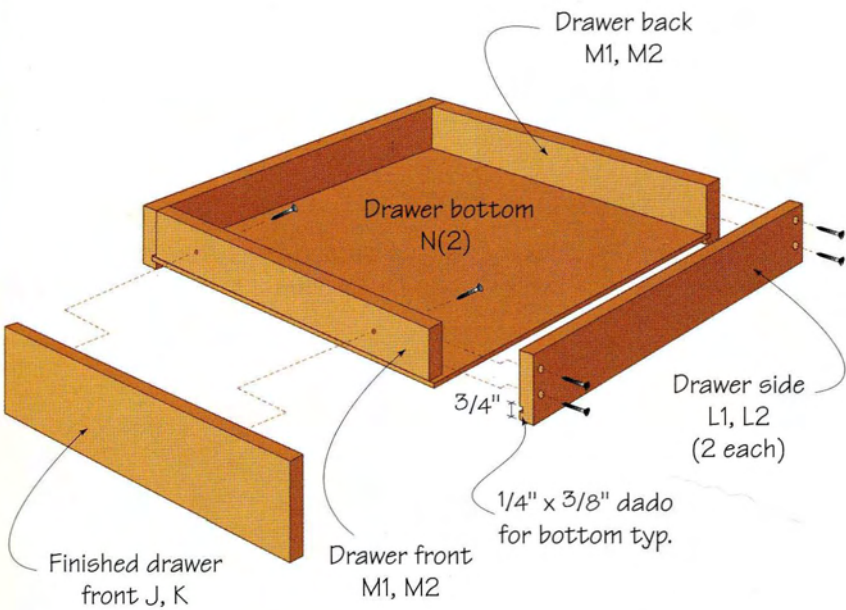
Assembly of the nightstand is the same as for the base cabinet with drawers except there is no toe-kick cutout.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	15	(381)	23 1/4	(590)	3/8 x 3/4 dadoes top, bottom, drawers and 1/4 x 3/8 for back
B	1	bottom	plywood	3/4	(19)	15	(381)	WX-3/4	(-19)	1/4 x 3/8 dado in back edge WX=width of cabinet
C	1	top rail	plywood	3/4	(19)	4	(102)	WX-3/4	(-19)	
D	2	rails	plywood	3/4	(19)	3	(76)	WX-3/4	(-19)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	WX-1 1/2	(-38)	
G	2	drawer glide supports	plywood	3/4	(19)	1 1/4	(32)	11 3/4	(298)	
H	1	nailer	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
I	1	back	plywood	1/4	(6)	WX-3/4	(-19)	18 7/8	(479)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(146)	WX-3/4	(-19)	
K	1	finished drawer front	plywood	3/4	(19)	12 3/4	(311)	WX-3/4	(-19)	

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
L1	2	drawer sides	plywood	3/4	(19)	4 1/2	(115)	14	(356)	
L2	2	drawer sides	plywood	3/4	(19)	8	(203)	14	(356)	
M1	2	drawer fronts and backs	plywood	3/4	(19)	4 1/2	(115)	18	(457)	cut fronts 3/4 narrower than backs
M2	2	drawer fronts and backs	plywood	3/4	(19)	8	(203)	18	(457)	cut fronts 3/4 narrower than backs
N	4	drawer bottoms	plywood	1/4	(6)	18 3/4	(476)	13 9/16	(344)	



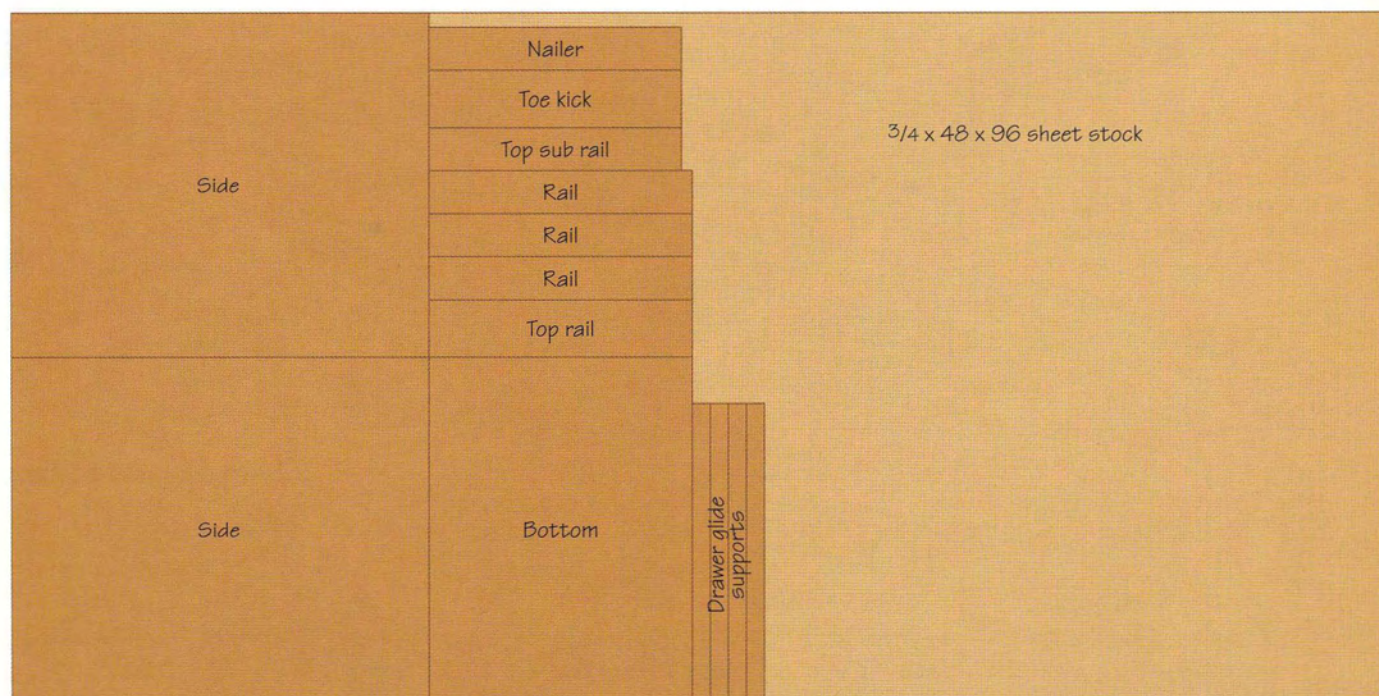
desk & file cabinets



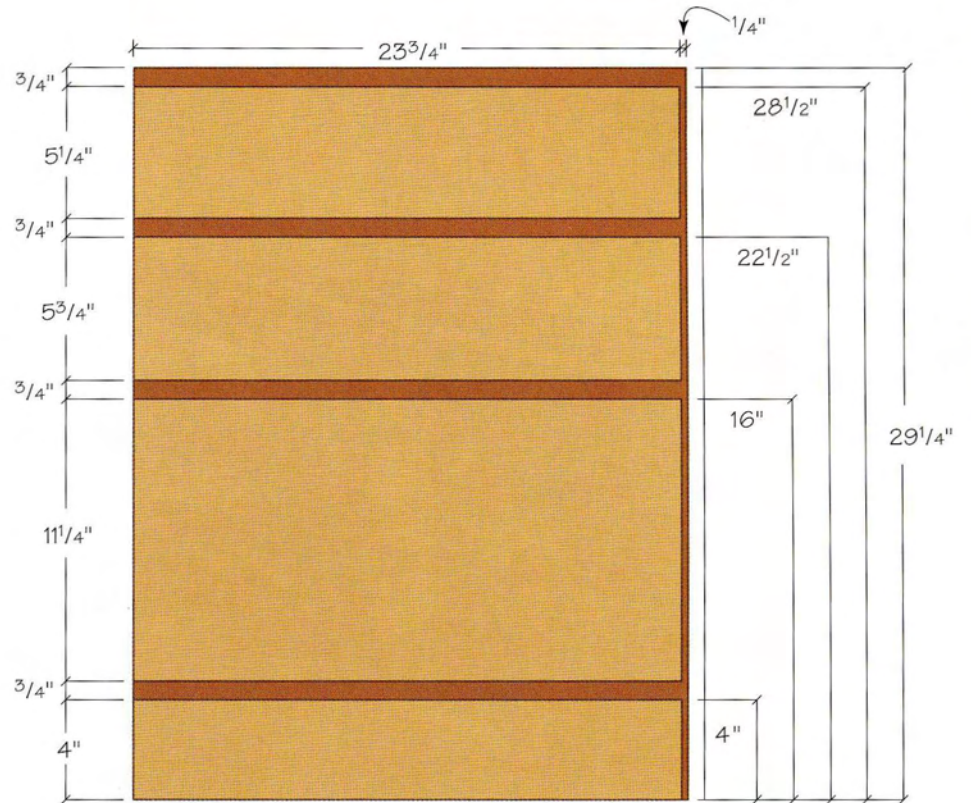
Desks and file cabinets can be fitted with the tops described on pages 233 and 235. Make the tops to match the desk or file cabinet's dimensions. The top can be extended to create a desktop if desired.

OPTIMIZATION OF PARTS

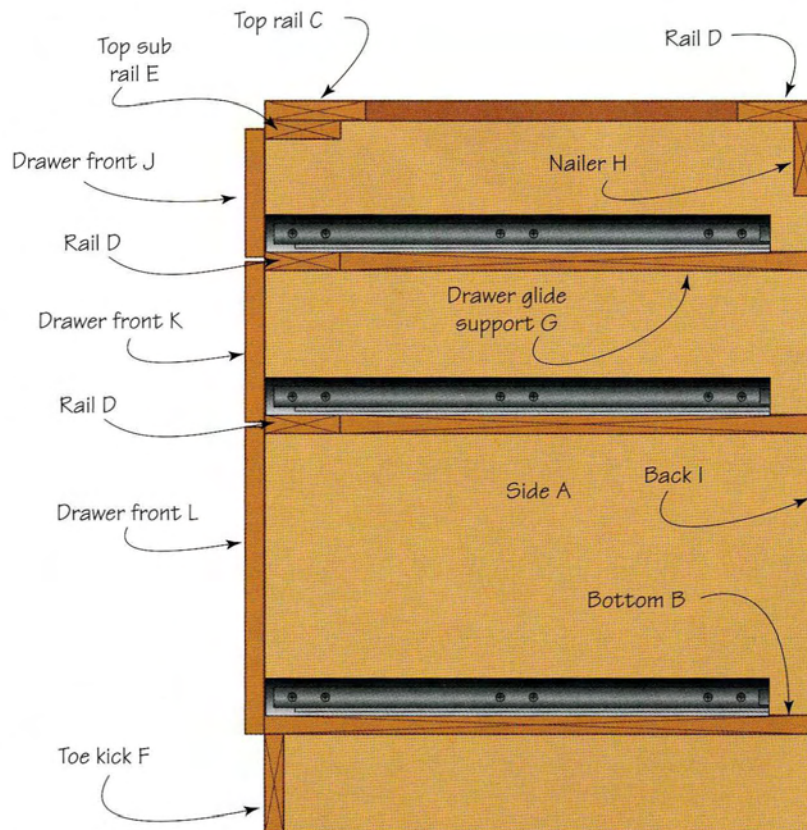
This optimization drawing is for desk and file cabinets and will be similar for all sizes of desk and file cabinets. Widths of some parts will be increased.



DADO LAYOUT



SIDE SECTIONAL

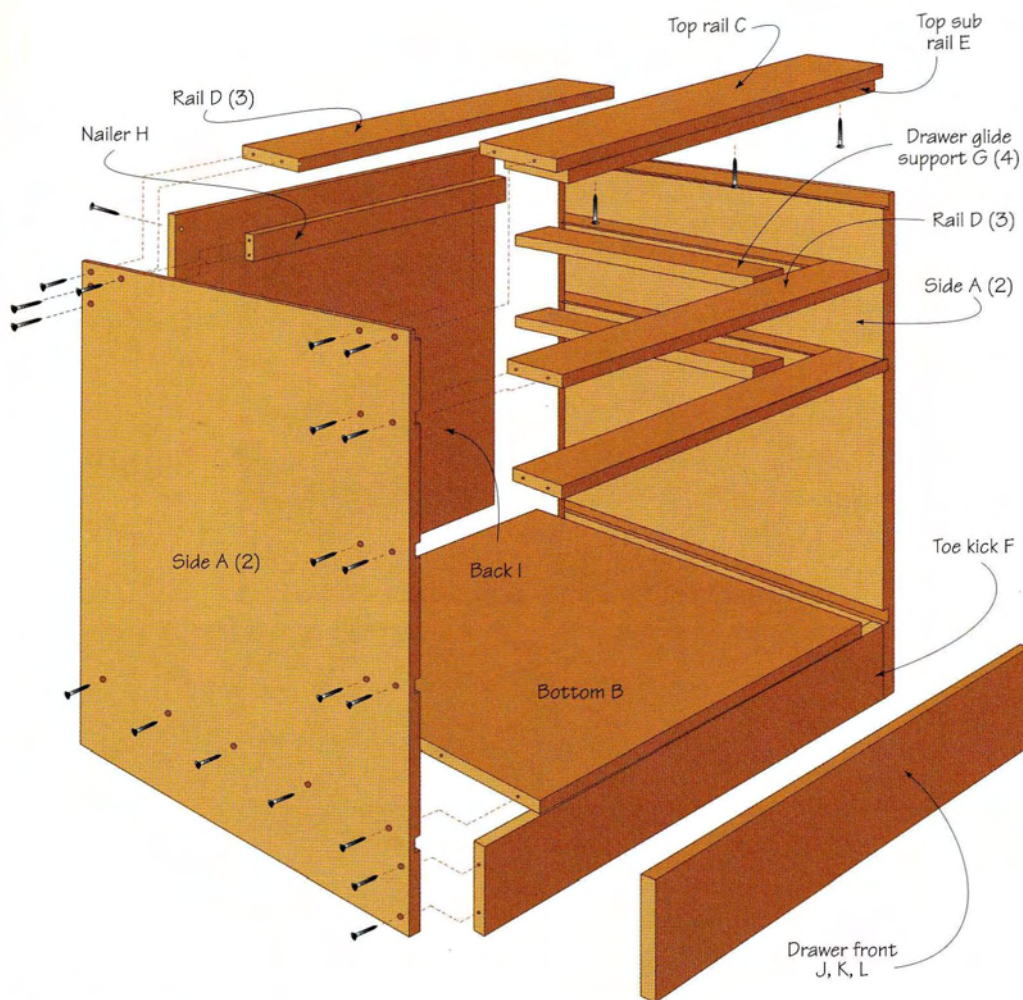


DESK & FILE CABINET19**HARDWARE NEEDED:**

3 sets 20" - full extension drawer slides
 3 handles or pulls for the drawers

color

finish



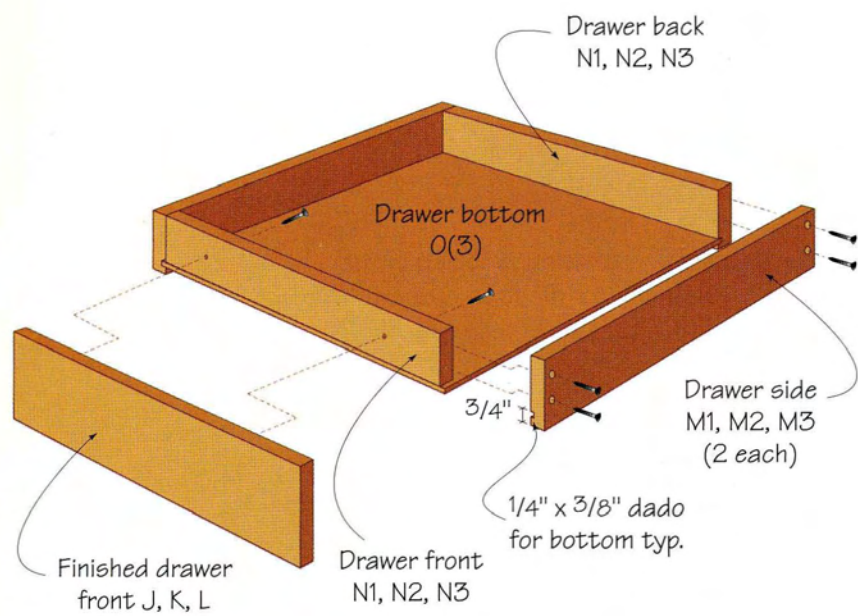
Assembly of the desk or file cabinet is the same as for the base cabinet with drawers except there is no toe-kick cutout.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	24	(610)	29 1/4	(743)	3/8 x 3/4 dadoes top and bottom edges
B	1	bottom	plywood	3/4	(19)	24	(610)	18 1/4	(463)	1/4 x 3/8 dado in back edge
C	1	top rail	plywood	3/4	(19)	4	(102)	18 1/4	(463)	
D	3	rails	plywood	3/4	(19)	3	(76)	18 1/4	(463)	
E	1	top sub rail	plywood	3/4	(19)	3	(76)	17 1/2	(445)	
F	1	toe kick	plywood	3/4	(19)	4	(102)	17 1/2	(445)	
G	4	drawer glide supports	plywood	3/4	(19)	1 1/4	(32)	20 3/4	(527)	
H	1	nailer	plywood	3/4	(19)	3	(76)	17 1/2	(445)	
I	1	back	plywood	1/4	(6)	18 1/4	(463)	24 7/8	(632)	
J	1	finished drawer front	plywood	3/4	(19)	5 1/8	(130)	18 1/4	(463)	
K	1	finished drawer front	plywood	3/4	(19)	6 3/8	(162)	18 1/4	(463)	
L	1	finished drawer front	plywood	3/4	(19)	12 1/4	(311)	18 1/4	(463)	

color

finish



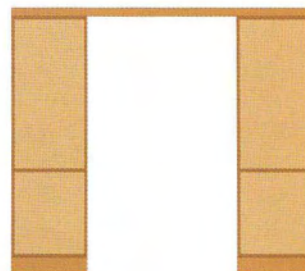
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
M1	2	drawer sides	plywood	3/4	(19)	3	(76)	22	(559)	
M2	2	drawer sides	plywood	3/4	(19)	3 1/2	(89)	22	(559)	
M3	2	drawer sides	plywood	3/4	(19)	10	(254)	22	(559)	
N1	2	drawer fronts and backs	plywood	3/4	(19)	3	(76)	15	(381)	cut fronts 3/4 narrower than backs
N2	2	drawer fronts and backs	plywood	3/4	(19)	3 1/2	(89)	15	(381)	cut fronts 3/4 narrower than backs
N3	2	drawer fronts and backs	plywood	3/4	(19)	10	(254)	15	(381)	cut fronts 3/4 narrower than backs
O	3	drawer bottoms	plywood	1/4	(6)	15 3/4	(400)	21 9/16	(547)	



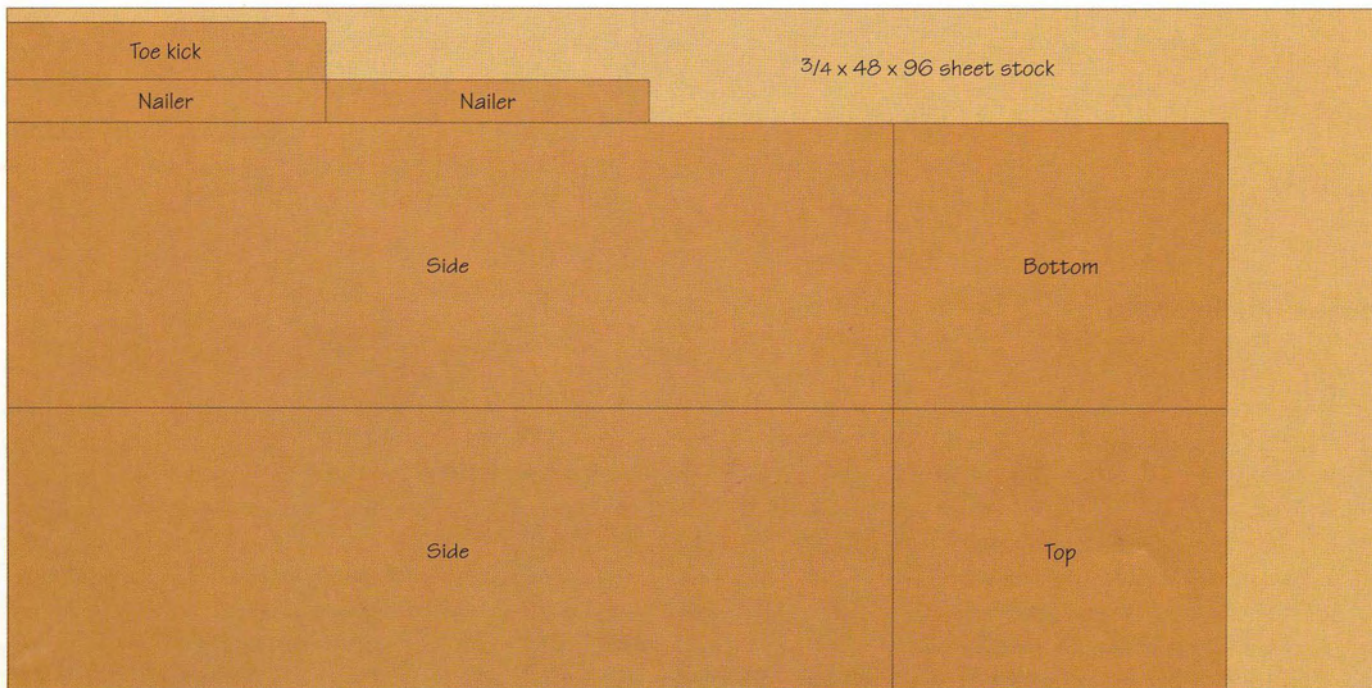
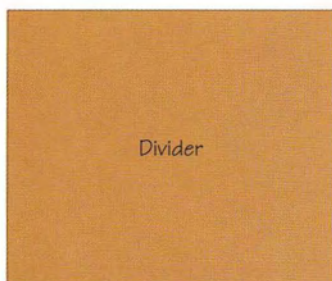
entertainment centers

Entertainment centers can be fitted with the tops described on pages 233 and 235. An extended top can be made that would span two entertainment center cabinets to house a large-screen television. The length of the top would be determined by the width of the two cabinets plus the width of the television.

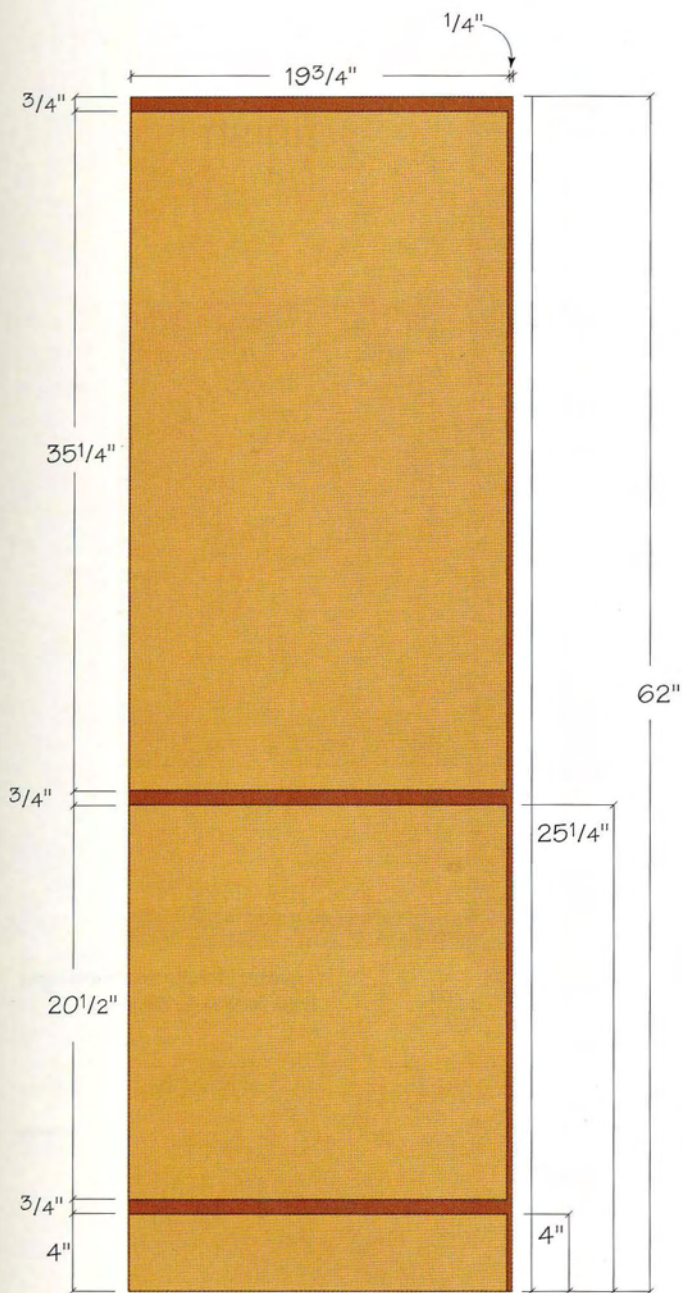


OPTIMIZATION OF PARTS

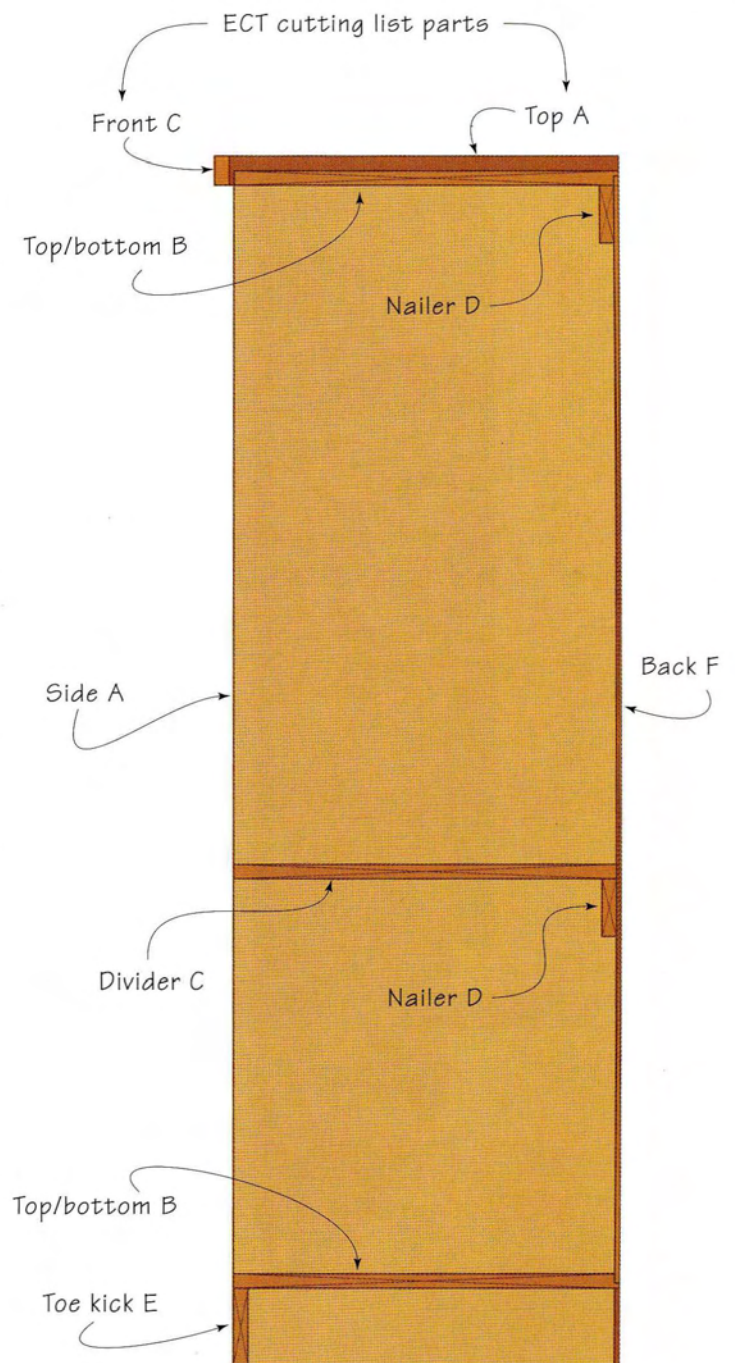
This optimization drawing is for an entertainment center and will be similar for all sizes of entertainment centers. Widths of some parts will be increased.



DADO LAYOUT

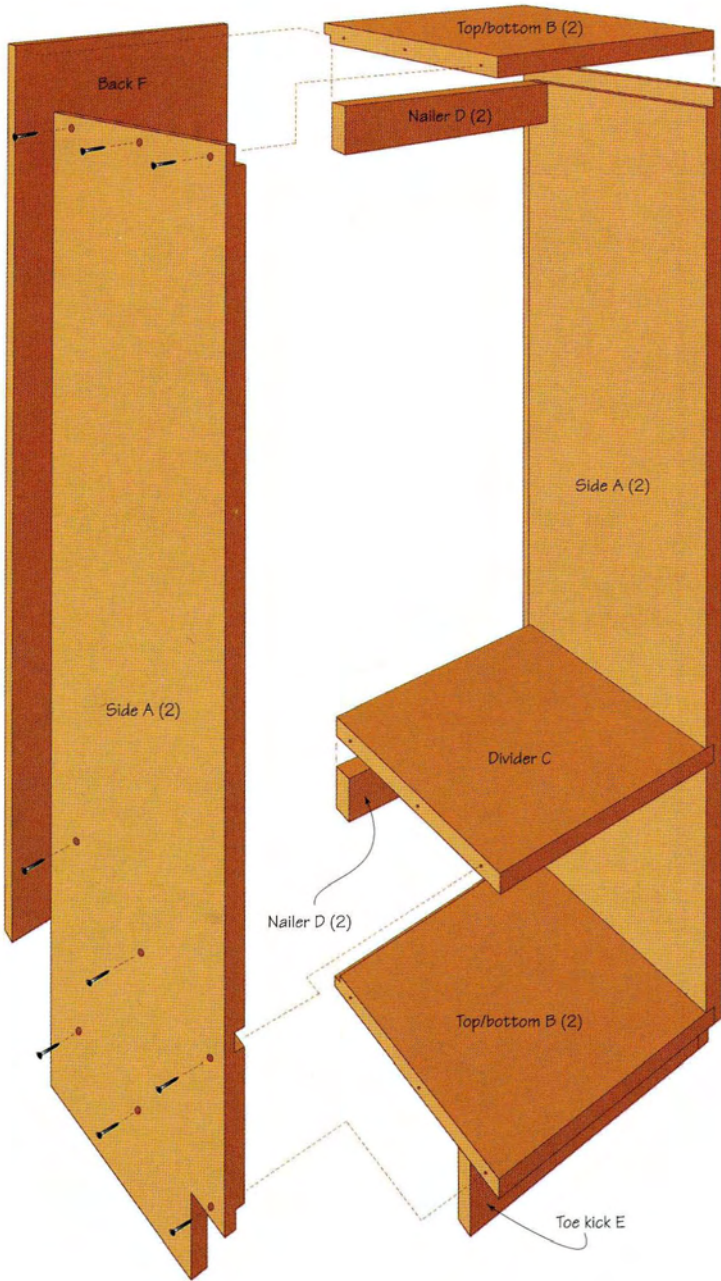


SIDE SECTIONAL



color

finish



Assembly of the entertainment center is the same as for the pantry.

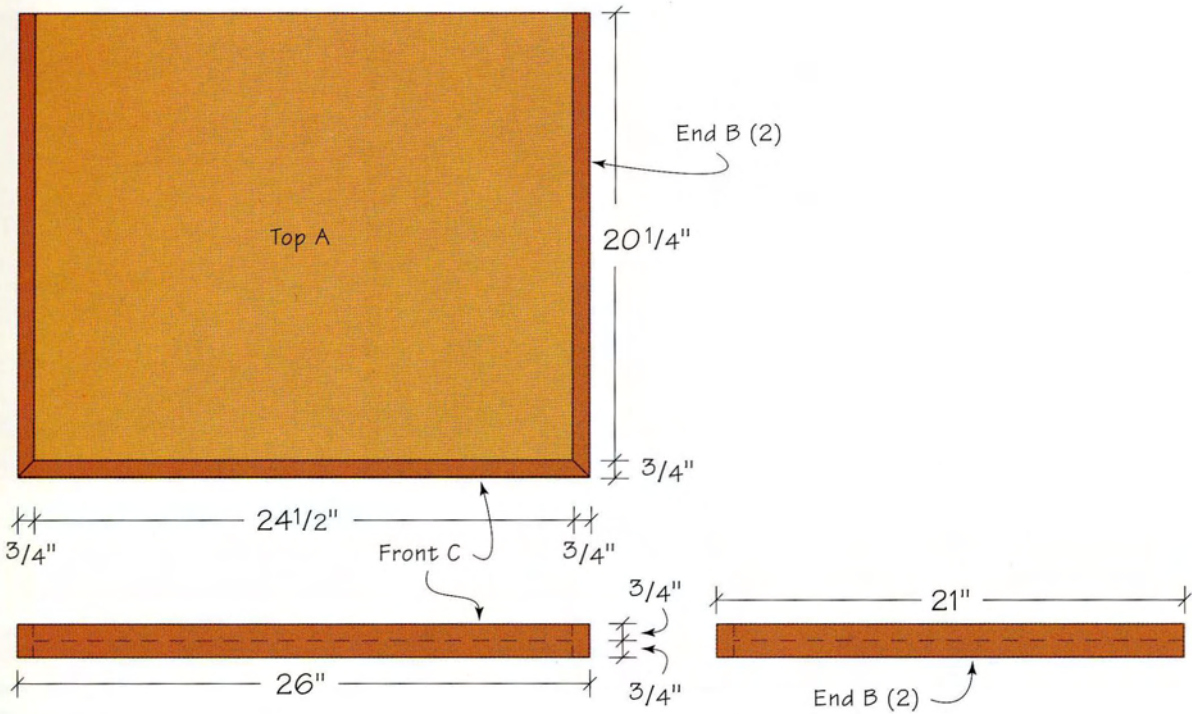
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	62	(1575)	3/8 x 3/4 dadoes top and bottom edges
B	2	top and bottom	plywood	3/4	(19)	20	(508)	23 1/4	(590)	1/4 x 3/8 dado in back edge
C	1	divider	plywood	3/4	(19)	19 1/4	(489)	23 1/4	(590)	
D	2	nailers	plywood	3/4	(19)	3	(76)	22 1/2	(572)	
E	1	toe kick	plywood	3/4	(19)	4	(102)	22 1/2	(572)	
F	1	back	plywood	1/4	(6)	23 1/4	(590)	57 1/4	(1454)	

color

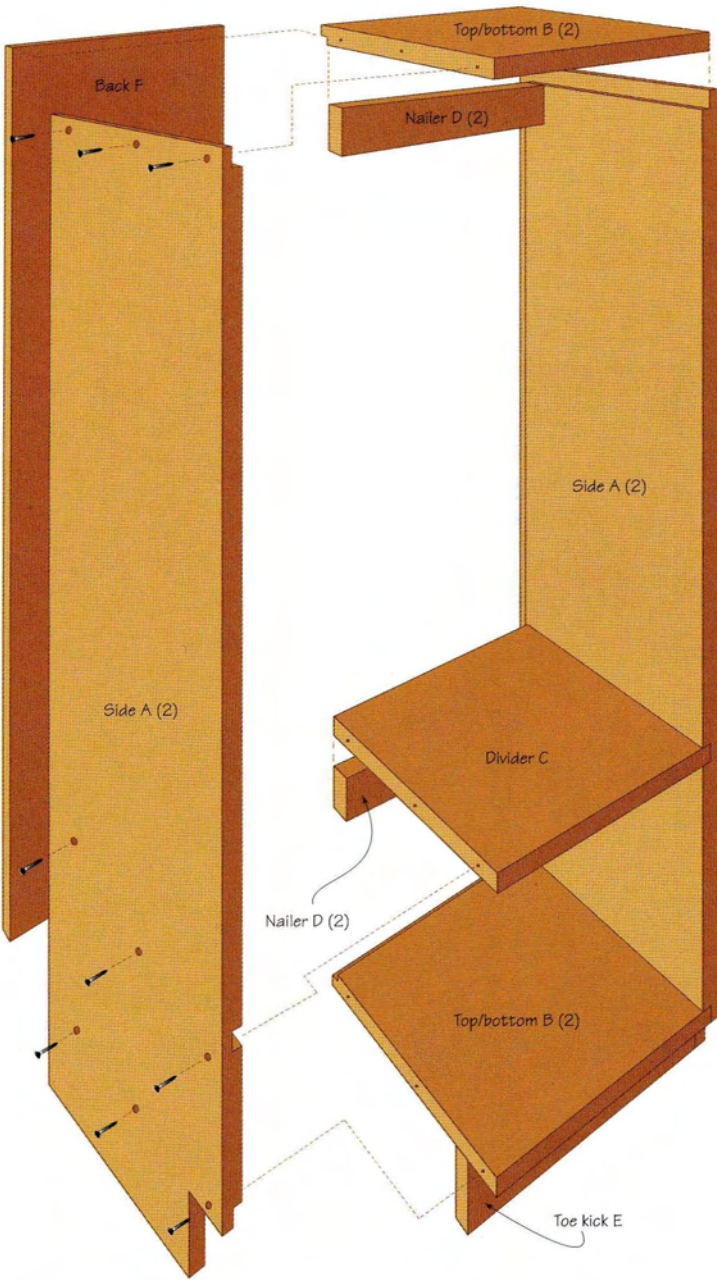
finish

ECT24



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	1	top	plywood	$\frac{3}{4}$	$20\frac{1}{4}$ (514)	$24\frac{1}{2}$ (622)	
B	2	ends	hardwood	$\frac{3}{4}$	$1\frac{1}{2}$ (38)	21 (533)	45° miter one end
C	1	front	hardwood	$\frac{3}{4}$	$1\frac{1}{2}$ (38)	26 (660)	45° miter both ends



color

finish

Assembly of the entertainment center is the same as for the pantry.

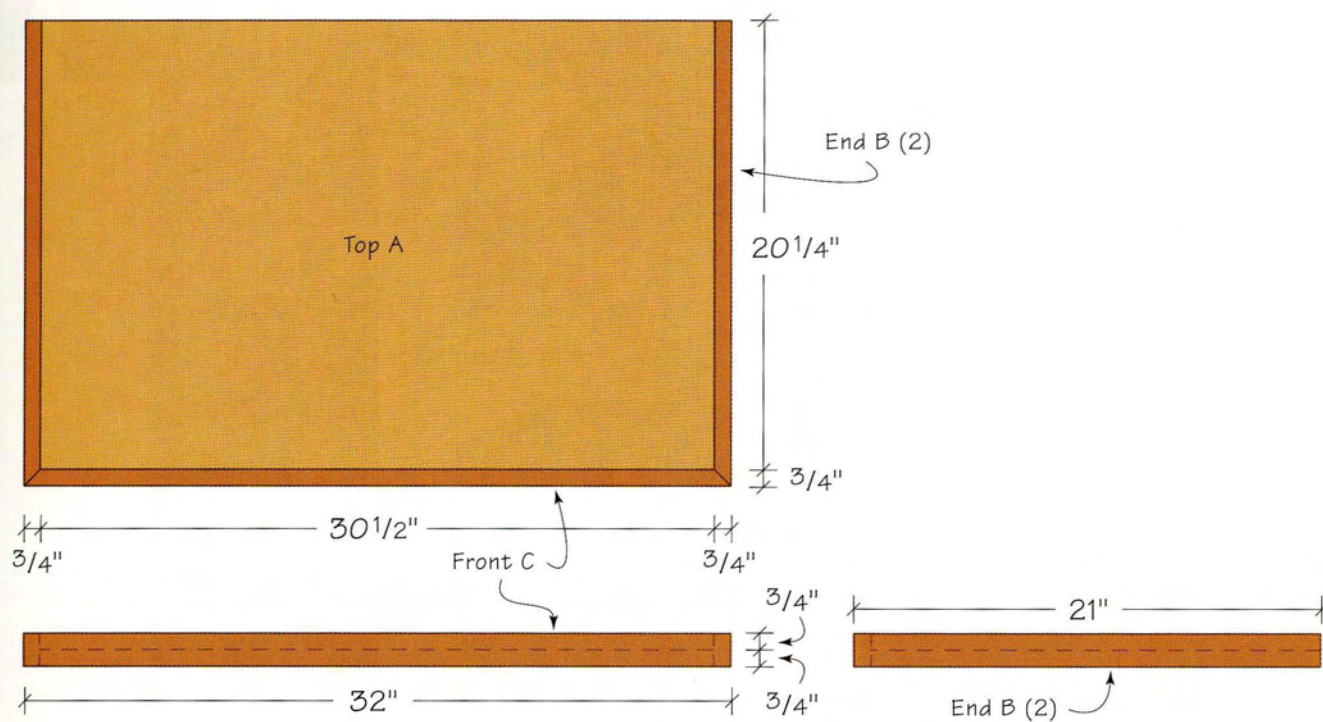
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	20	(508)	62	(1575)	3/8 x 3/4 dadoes top and bottom edges
B	2	top and bottom	plywood	3/4	(19)	20	(508)	29 1/4	(743)	1/4 x 3/8 dado in back edge
C	1	divider	plywood	3/4	(19)	19 1/4	(489)	29 1/4	(743)	
D	2	nailers	plywood	3/4	(19)	3	(76)	28 1/2	(724)	
E	1	toe kick	plywood	3/4	(19)	4	(102)	28 1/2	(724)	
F	1	back	plywood	1/4	(6)	29 1/4	(743)	57 1/4	(1454)	

JOB	TYPE OF CABINET	# OF CABINETS	DATE
	ECT30		

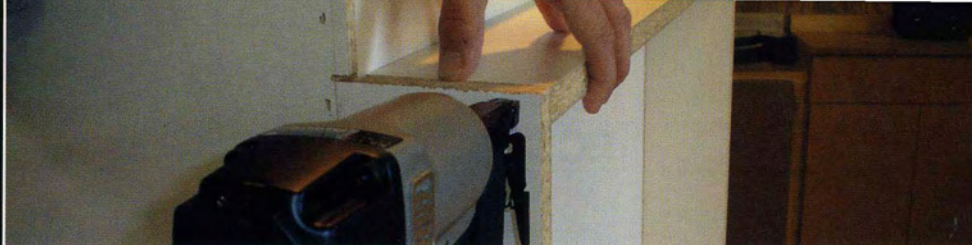
color

finish



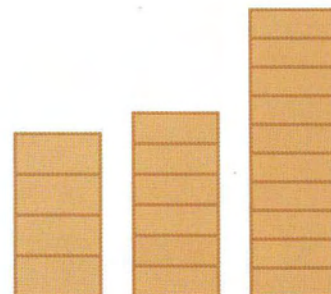
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	1	top	plywood	3/4	(19)	20 1/4	(514)	30 1/2	(775)	
B	2	ends	hardwood	3/4	(19)	1 1/2	(38)	21	(533)	45° miter one end
C	1	front	hardwood	3/4	(19)	1 1/2	(38)	32	(813)	45° miter both ends

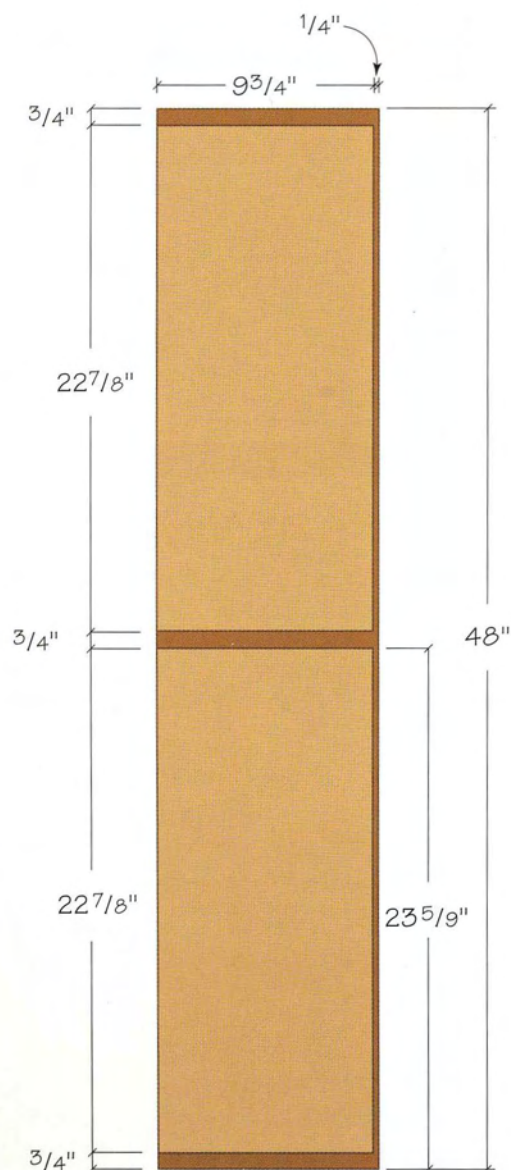


bookcases

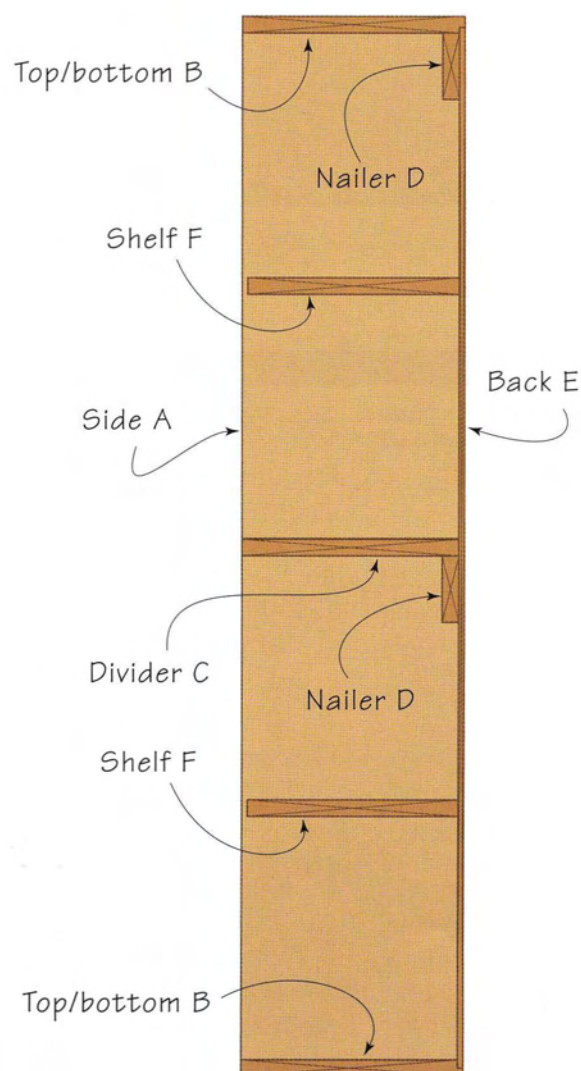
These bookcases are designed to match the overall height of kitchen cabinets, which are 84". There are plans for an 84"-tall freestanding bookcase. Also included are plans for a 52"-tall bookcase that can sit on top of a vanity base (32"-high cabinet) or a 48"-tall bookcase that can sit on top of a kitchen cabinet (36"-high cabinet), both will finish out at 84"-high.



DADO LAYOUT



SIDE SECTIONAL

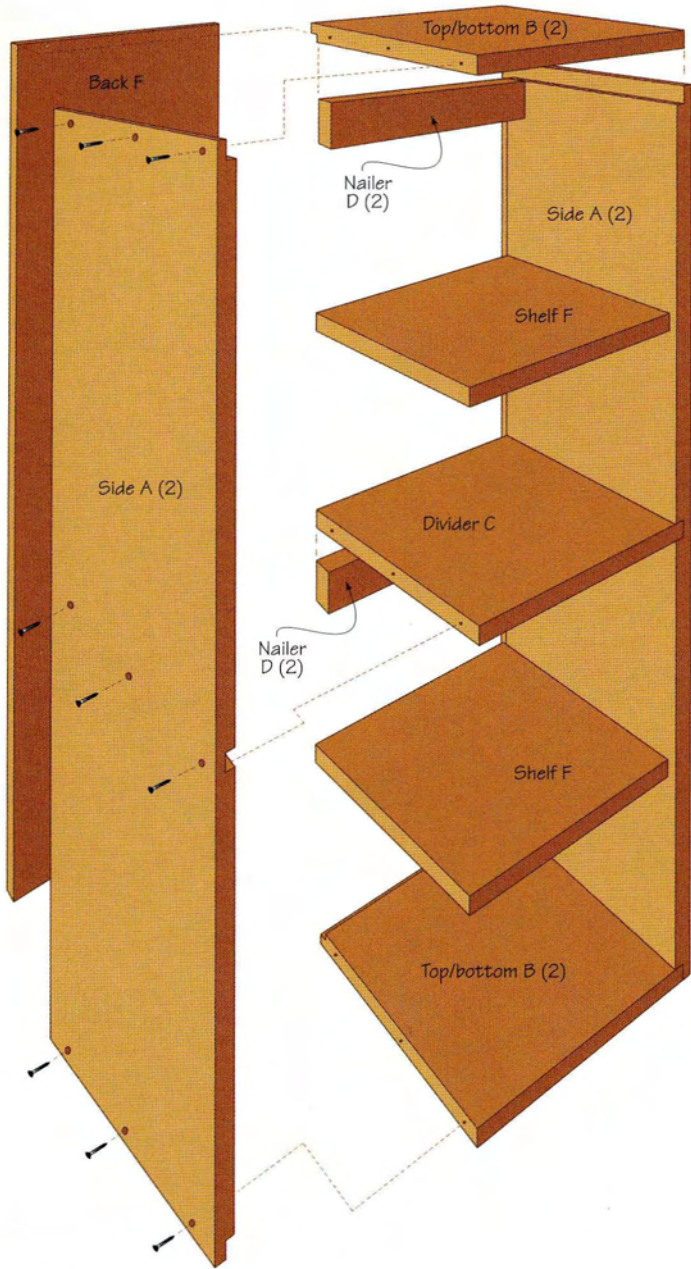


HARDWARE NEEDED:

8 shelf supports (pins), either 5mm or 1/4" hole size required

color

finish



It is recommended that bookcases be no wider than 30".

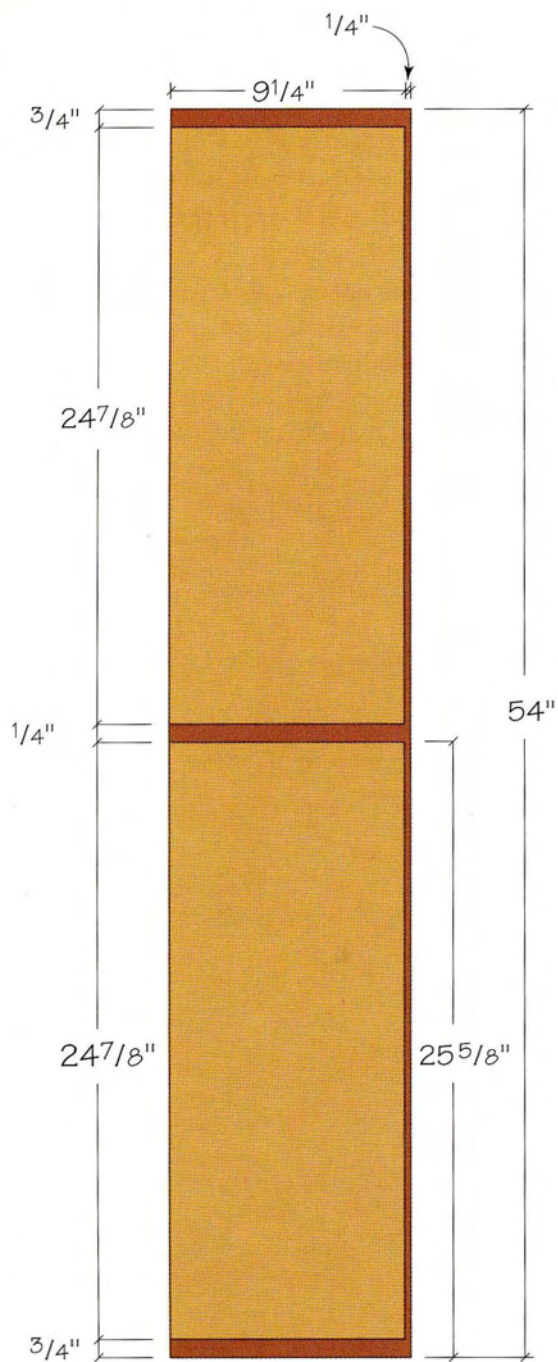
Assembly of the bookcase is the same as for the pantry except their is no toe-kick cutout.

See page 200, steps 3-4 for cutting the rabbets for the top and bottom panels.

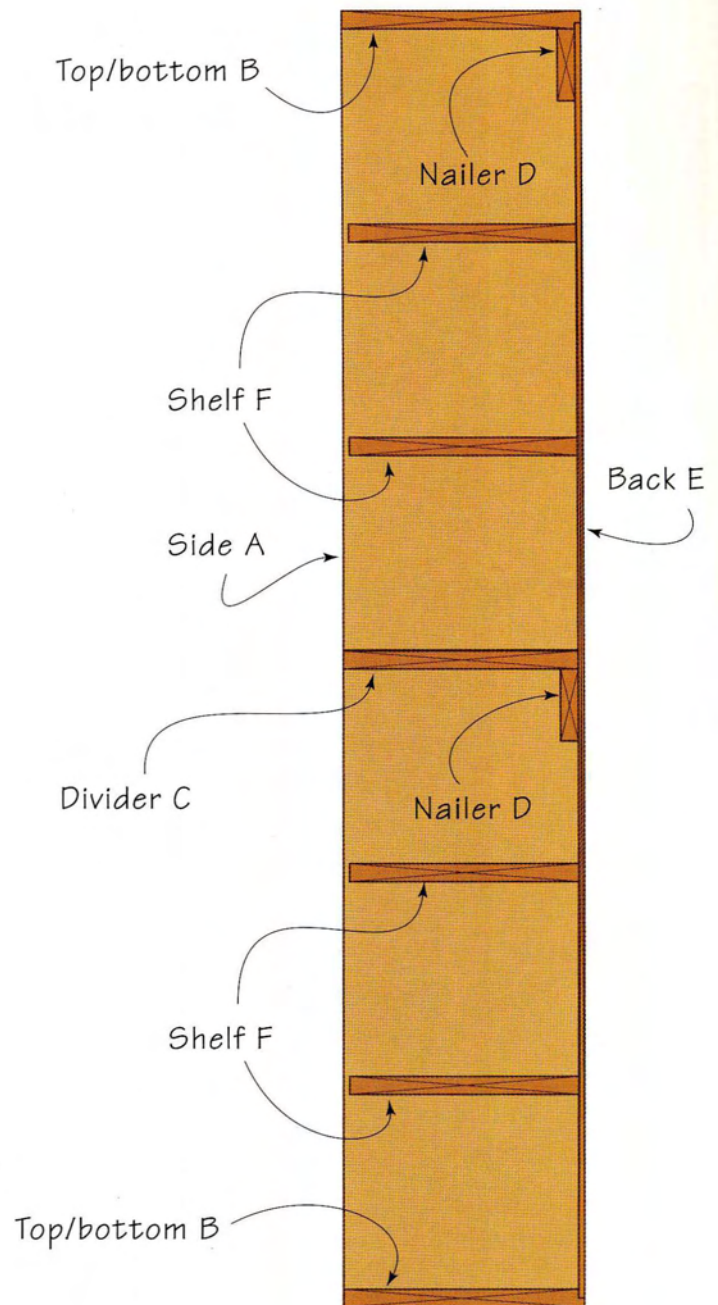
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	10	(254)	48	(1219)	3/8 x 3/4 dadoes top, bottom, divider and 1/4 x 3/8 for back
B	2	top and bottom	plywood	3/4	(19)	10	(254)	WX-3/4	(-19)	1/4 x 3/8 dado back edge WX=width of cabinet
C	1	divider	plywood	3/4	(19)	9 3/4	(248)	WX-3/4	(-19)	
D	2	nailers	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
E	1	back	plywood	1/4	(6)	WX-3/4	(-19)	47 1/4	(1200)	
F	2	shelves	plywood	3/4	(19)	9 1/2	(242)	WX-1 5/8	(-41)	

DADO LAYOUT



SIDE SECTIONAL

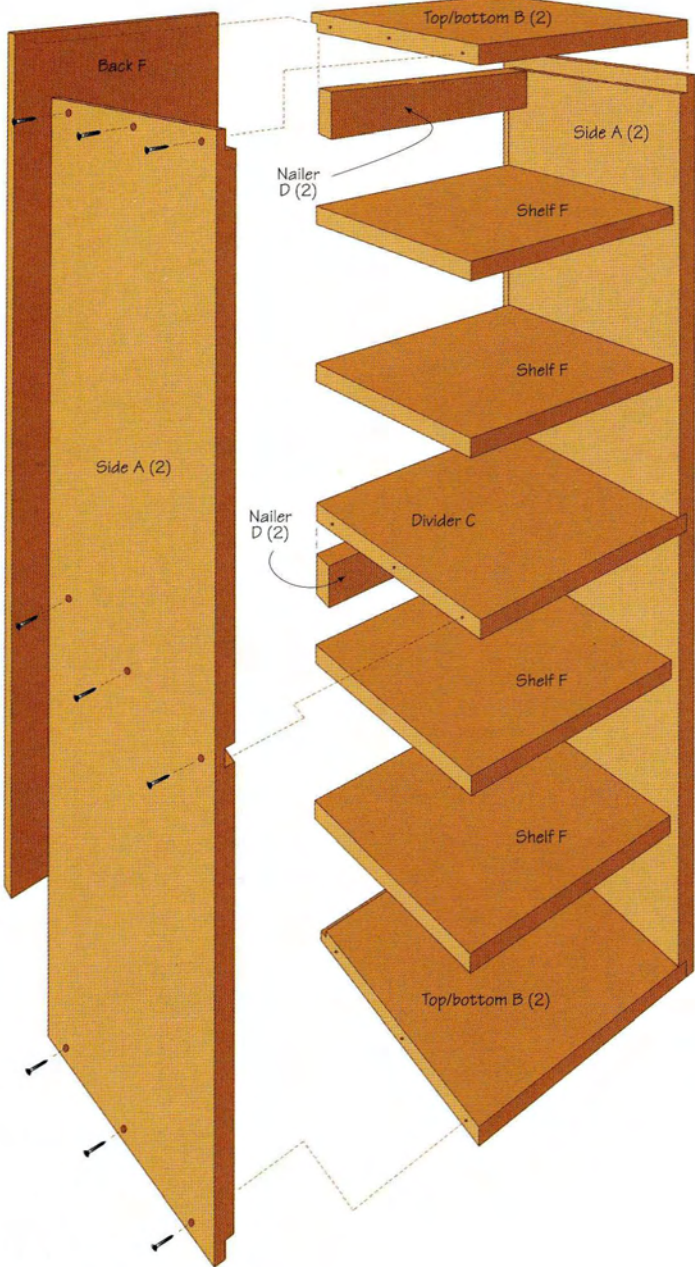


HARDWARE NEEDED:

16 shelf supports (pins), either 5mm or 1/4" hole size required

color

finish



It is recommended that bookcases be no wider than 30".

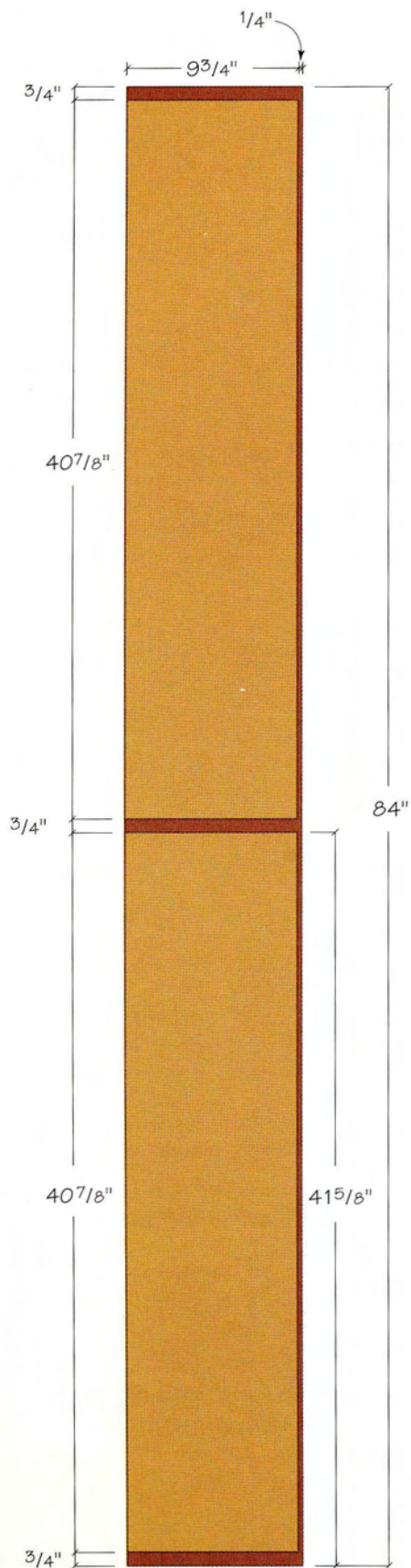
Assembly of the bookcase is the same as for the pantry except their is no toe-kick cutout.

See page 200, steps 3-4 for cutting the rabbets for the top and bottom panels.

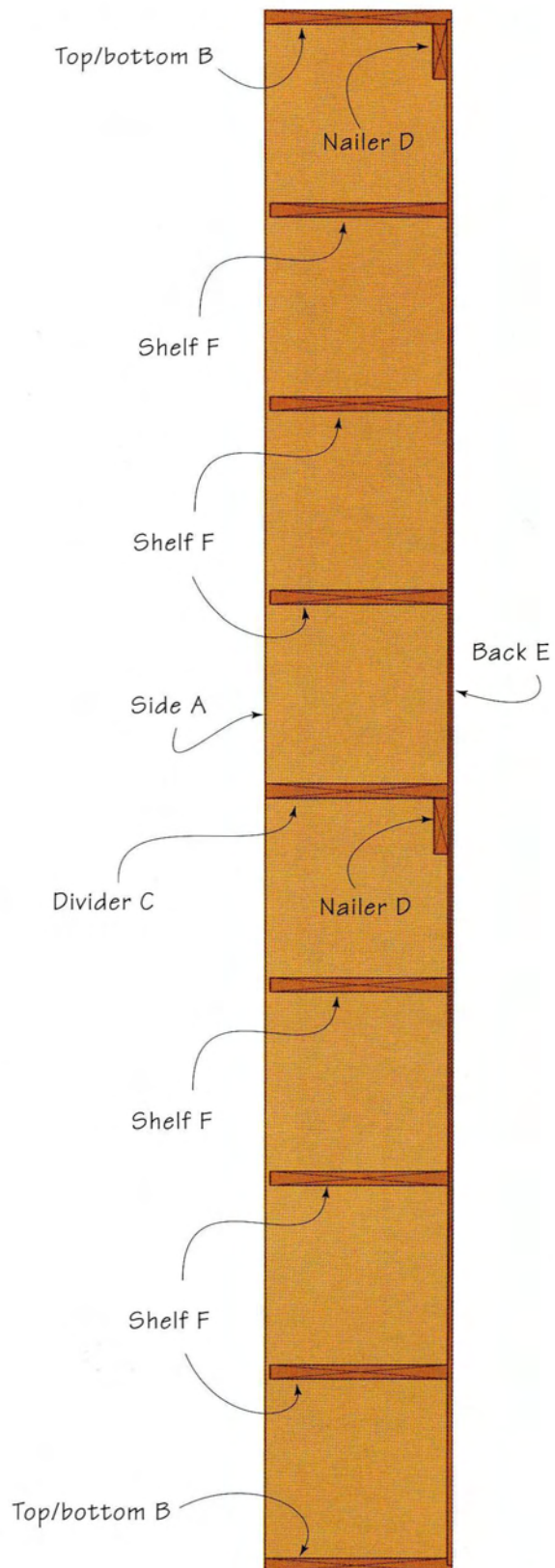
inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	10	(254)	54	(1372)	1/8 x 3/4 dados top, bottom, divider and 1/4 x 3/8 for back
B	2	top and bottom	plywood	3/4	(19)	10	(254)	WX-3/4	(-19)	1/4 x 3/8 dado back edge WX=width of cabinet
C	1	divider	plywood	3/4	(19)	9 3/4	(248)	WX-3/4	(-19)	
D	2	nailers	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
E	1	back	plywood	1/4	(6)	WX-3/4	(-19)	53 1/4	(1352)	
F	4	shelves	plywood	3/4	(19)	9 1/2	(242)	WX-1 5/8	(-41)	

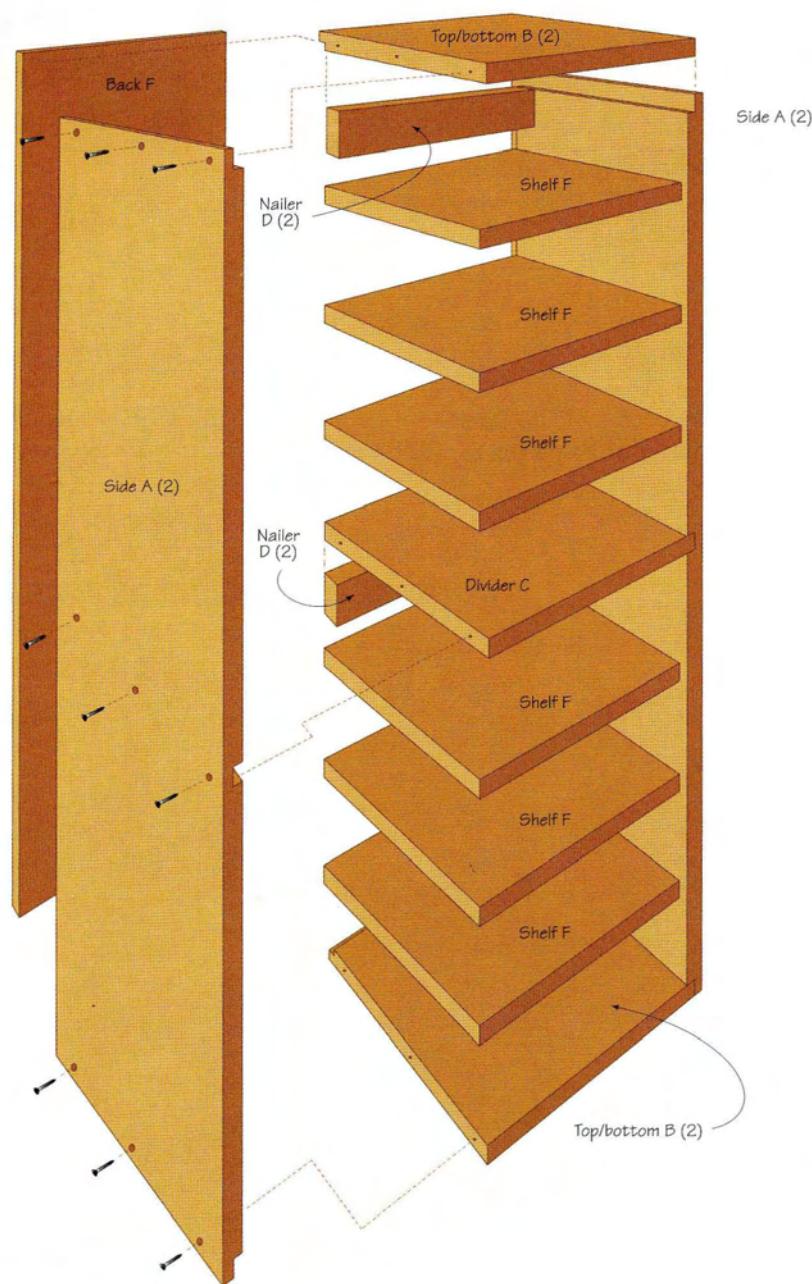
DADO LAYOUT



SIDE SECTIONAL



HARDWARE NEEDED:
24 shelf supports (pins), either 5mm or 1/4" hole size required



color

finish

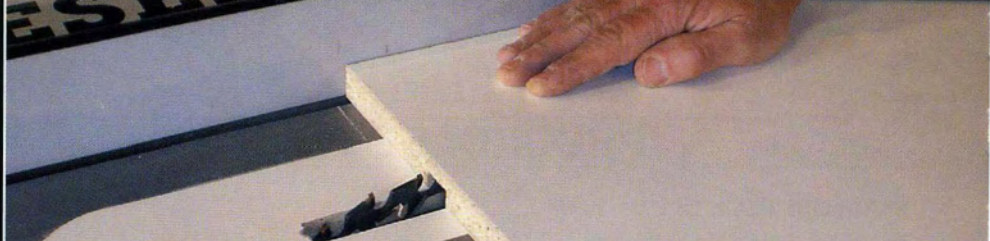
It is recommended that bookcases be no wider than 30".

Assembly of the bookcase is the same as for the pantry except their is no toe-kick cutout.

See page 200, steps 3-4 for cutting the rabbets for the top and bottom panels.

inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	2	sides	plywood	3/4	(19)	10	(254)	84	(2134)	1/8 x 3/4 dados top, bottom, divider and 1/4 x 3/8 for back
B	2	top and bottom	plywood	3/4	(19)	10	(254)	WX-3/4	(-19)	1/4 x 3/8 dado back edge WX=width of cabinet
C	1	divider	plywood	3/4	(19)	9 3/4	(248)	WX-3/4	(-19)	
D	2	nailers	plywood	3/4	(19)	3	(76)	WX-1 1/2	(-38)	
E	1	back	plywood	1/4	(6)	WX-3/4	(-19)	83 1/4	(2114)	
F	6	shelves	plywood	3/4	(19)	9 1/2	(242)	WX-1 5/8	(-41)	



pencil drawers

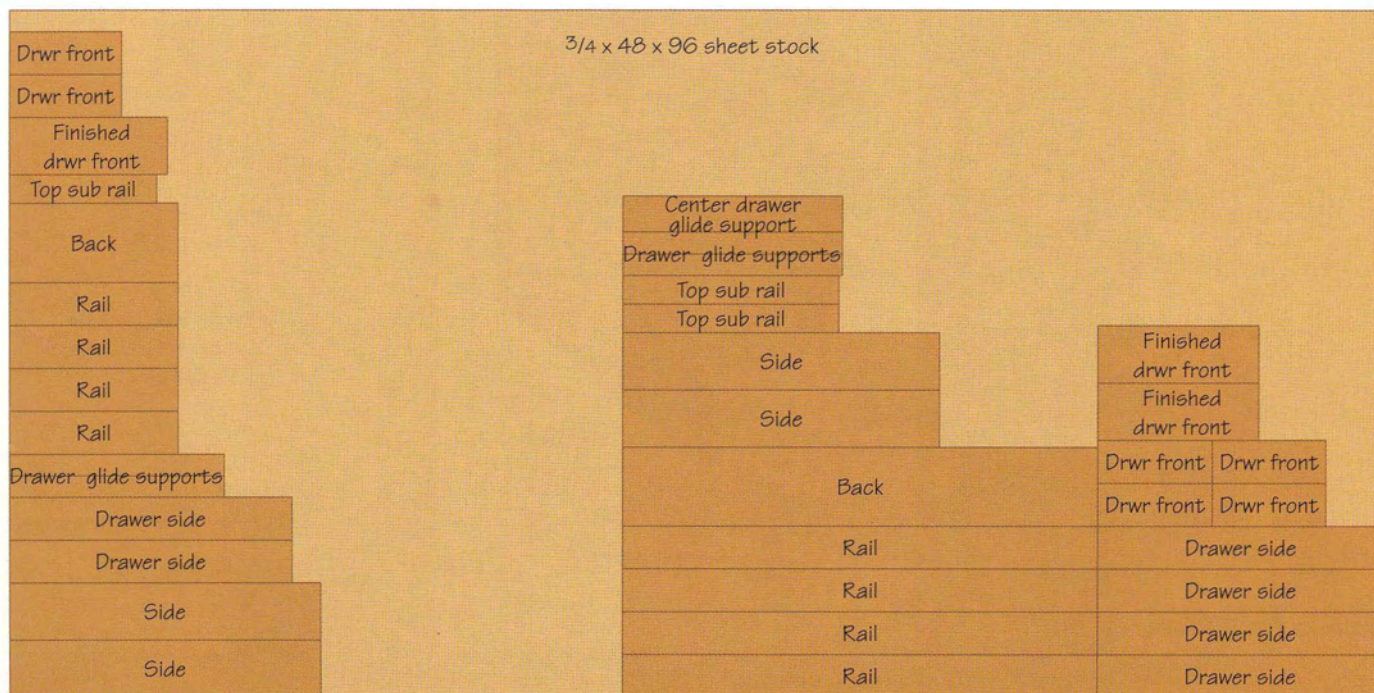


OPTIMIZATION OF PARTS

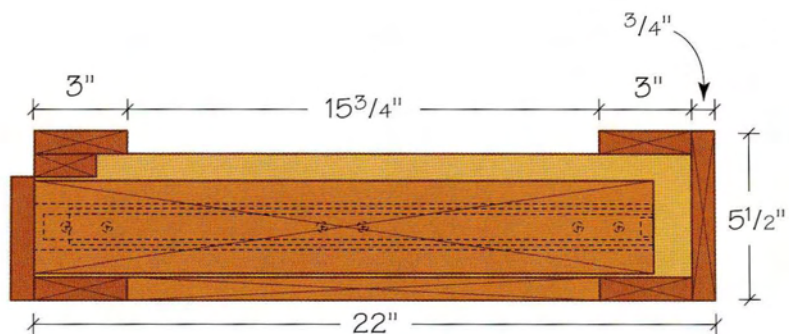
The layout of the parts will be similar for all sizes of pencil drawers. Widths of some parts will be increased.

ONE-PENCIL-DRAWER UNIT 12"-WIDE

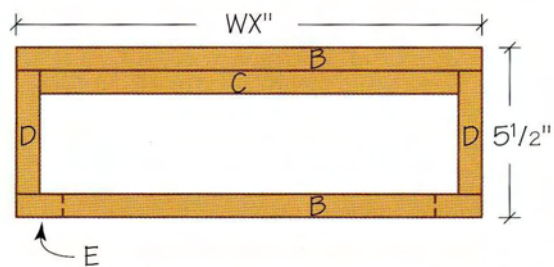
TWO-PENCIL-DRAWER UNIT 33"-WIDE



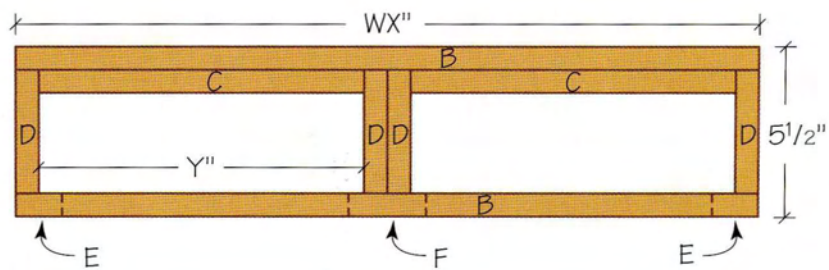
SIDE SECTIONAL



FRONT ELEVATION



FRONT ELEVATION

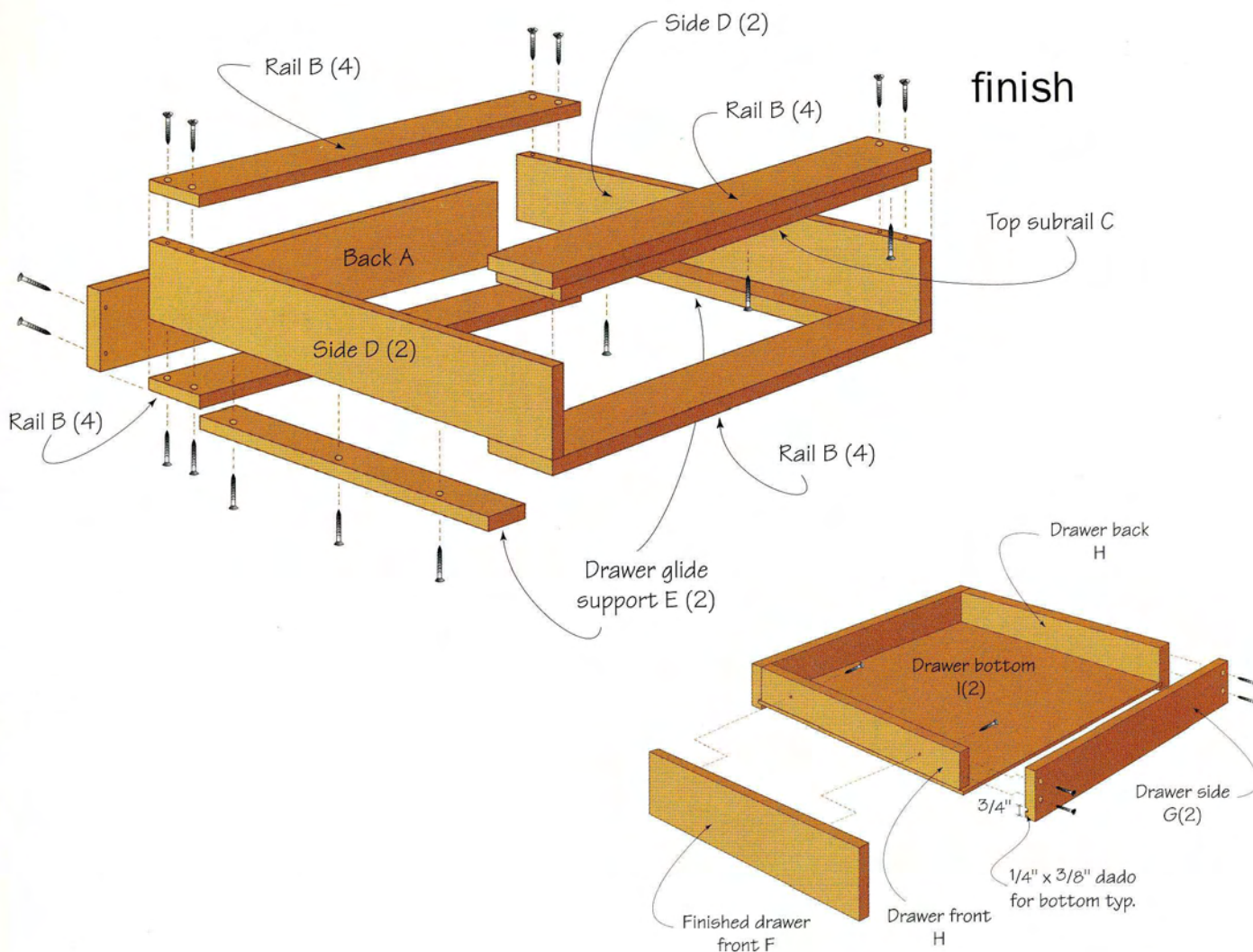


HARDWARE NEEDED:

1 set 20" - full extension drawer slides

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	1	back	plywood	3/4	(19)	5 1/2	(140)	WX	(WX)	WX=width of drawer frame
B	4	rails	plywood	3/4	(19)	3	(76)	WX	(WX)	
C	1	top sub rail	plywood	3/4	(19)	2	(51)	WX-1 1/2	(-38)	
D	2	sides	plywood	3/4	(19)	4	(102)	21 1/4	(539)	
E	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	15 1/4	(387)	
F	1	finished drawer front	plywood	3/4	(19)	4 1/4	(108)	WX-3/4	(-19)	
G	2	drawer sides	plywood	3/4	(19)	3	(76)	20	(508)	
H	2	drawer front and back	plywood	3/4	(19)	3	(76)	WX-4	(-102)	
I	1	drawer bottom	plywood	1/4	(6)	19 9/16	(497)	WX-4 3/4	(-121)	

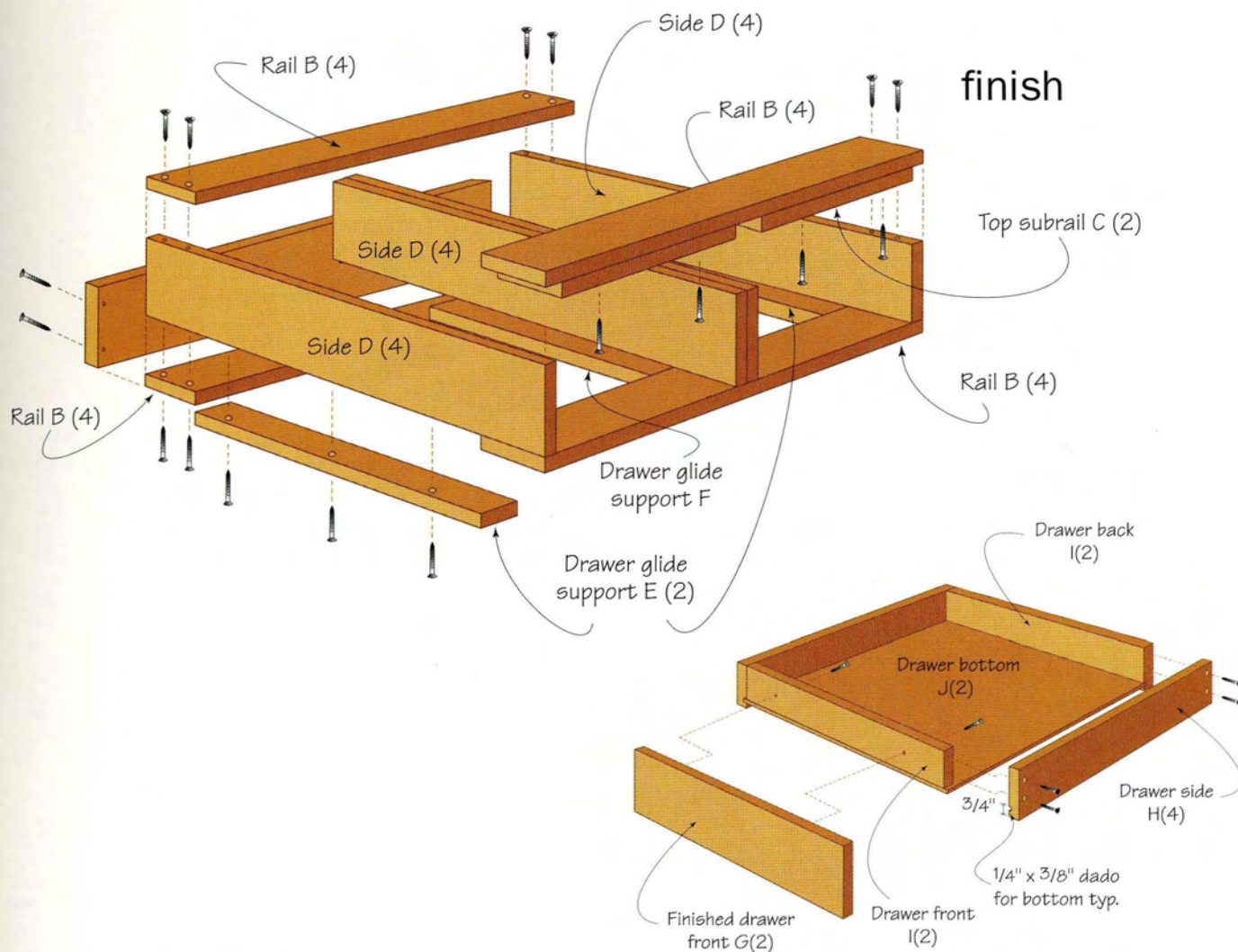
JOB	TYPE OF CABINET	# OF CABINETS	DATE
	PD2		

HARDWARE NEEDED:

2 sets 20" - full extension drawer slides

color

finish



inches (millimeters)

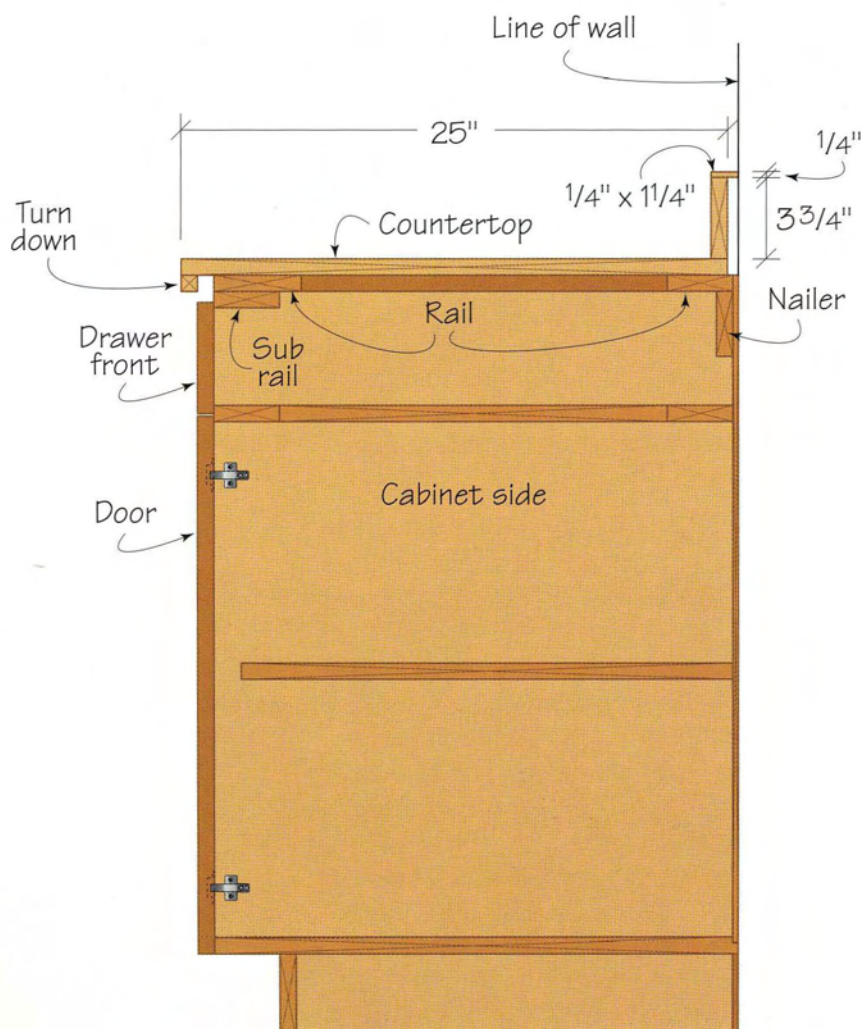
REFERENCE	QUANTITY	PART	STOCK	THICKNESS	(mm)	WIDTH	(mm)	LENGTH	(mm)	COMMENTS
A	1	back	plywood	3/4	(19)	5 1/2	(140)	WX	(WX)	WX=width of drawer frame
B	4	rails	plywood	3/4	(19)	3	(76)	WX	(WX)	
C	1	top sub rail	plywood	3/4	(19)	2	(51)	WX-3(-76) ÷ 2		
D	4	sides	plywood	3/4	(19)	4	(102)	21 1/4	(539)	
E	2	drawer glide supports	plywood	3/4	(19)	1 1/2	(38)	15 1/4	(387)	
F	1	center drawer glide support	plywood	3/4	(19)	2 1/2	(64)	15 1/4	(387)	
G	2	finished drawer fronts	plywood	3/4	(19)	4 1/4	(108)	WX-1(-25) ÷ 2		
H	4	drawer sides	plywood	3/4	(19)	3	(76)	20	(508)	
I	4	drawer front and back	plywood	3/4	(19)	3	(76)	Y-1 1/2	(-38)	Y=WX-5 ÷ 2 (-127)
J	2	drawer bottoms	plywood	1/4	(6)	19 9/16	(497)	Y-3/4	(-19)	



countertops and corbels

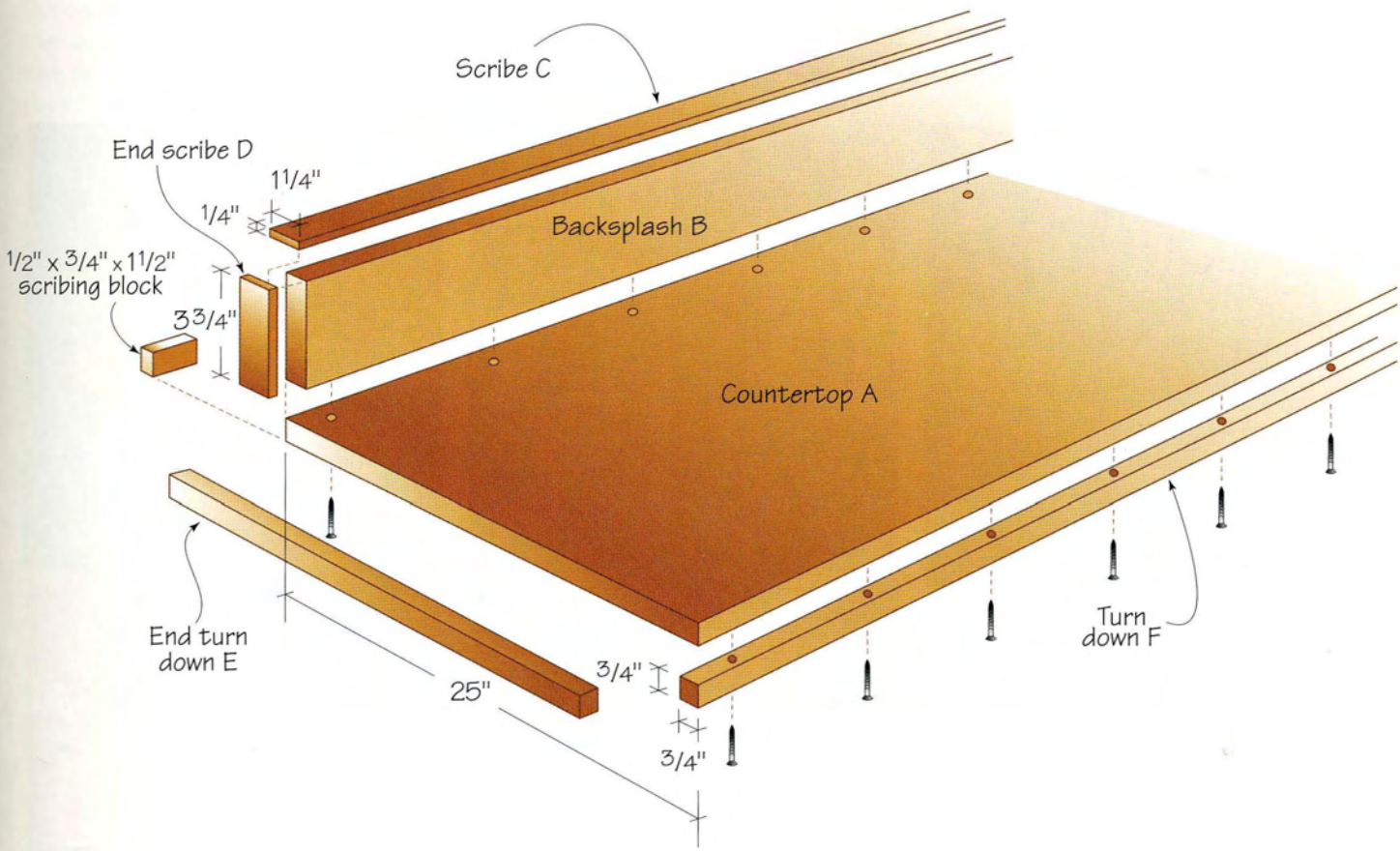
The drawing below shows how the countertops and cabinets in this book work with each other. The top and sides of the backsplash are made of $\frac{1}{4}$ "-thick plywood that can be easily sanded to scribe the top to the wall when installing the top. The $\frac{3}{4}$ " x $\frac{3}{4}$ " turn down is used to mask the top of the cabinet. For each finished end, add $1\frac{1}{4}$ " to the overall length of the countertop. If the top has both ends finished, add $2\frac{1}{2}$ " to the overall length.

ANATOMY OF A COUNTERTOP



color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	1	top	plywood	3/4 (19)	25 (635)	CL (XL)	CL = needed length of countertop
B	1	backsplash	plywood	3/4 (19)	3 3/4 (95)	BL (BL)	BL = needed length of backsplash
C	1	scribe	plywood	1/4 (19)	1 1/4 (32)	SL (SL)	SL = needed length of scribe
D	1or2	end scribe(s)	plywood	1/4 (6)	1 1/4 (32)	3 3/4 (95)	
E	1or2	end turn down(s)	plywood	3/4 (19)	3/4 (19)	24 1/4 (616)	
F	1	turn down	plywood	3/4 (19)	3/4 (19)	TD (TD)	TD = needed length of turn down

Making a Countertop

The countertop is laminated in an order that both hides the “end grains” and best protects it from water. For best results, follow these step-by-step instructions.



1 After cutting all the parts to size, attach the turn down starting at the front of the top. Cut the turn down to length and add glue.



2 Attach the turn down using $1\frac{1}{4}$ " narrow-crown staples.



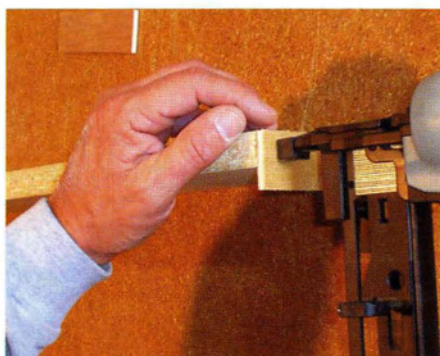
3 Cut the end turn downs (if needed at the finished ends of cabinets) and attach the same way as the front turn down.



4 If necessary, attach a $\frac{1}{2}$ " $\times$ $\frac{3}{4}$ " $\times$ $1\frac{1}{2}$ " filler piece to the back edges and/or end (if the top goes into a corner) of the top. The filler pieces rest against the walls where the top will be installed.



5 When cutting the backsplash to length, use the $\frac{1}{4}$ "-thick end piece(s) as spacers.



6 Now, attach the $\frac{1}{4}$ "-thick by $1\frac{1}{4}$ "-wide by $3\frac{3}{4}$ "-tall end piece(s). If the countertop is going into a corner, only one end will be needed (on the end opposite the corner).



7 Measure and cut the $\frac{1}{4}$ "-thick top piece for the backsplash.



8 Glue and staple or screw the top backsplash piece in place.



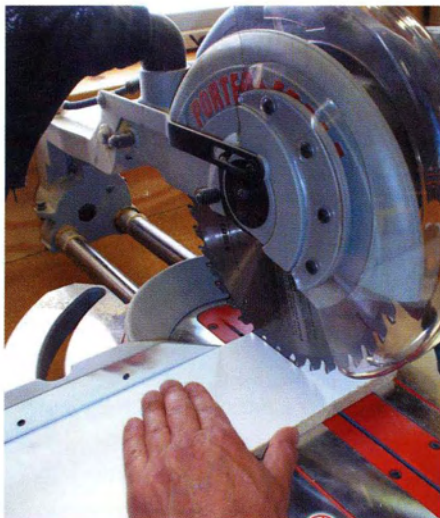
9 Sand the top piece of the backsplash flush with the ends.



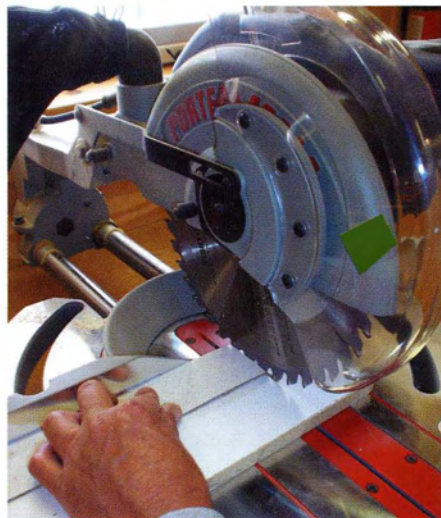
10 Temporarily clamp the backsplash to the countertop and sand the ends of them flush to each other.



11 Before gluing the high-pressure laminate to the countertop's edges, level and smooth them using a large sanding block. The sanding block I'm using is a sanding belt from my belt sander that is fitted over a flat piece ($\frac{3}{4}$ "-thick particle board is perfect) of wood. This fast-cutting sanding block makes a short work of smoothing these edges.



12 Before cutting the high-pressure laminate, cut a saw-kerf notch in a $\frac{3}{4}$ "-thick scrap.



13 The scrap helps backup the saw to cut the laminate cleanly.



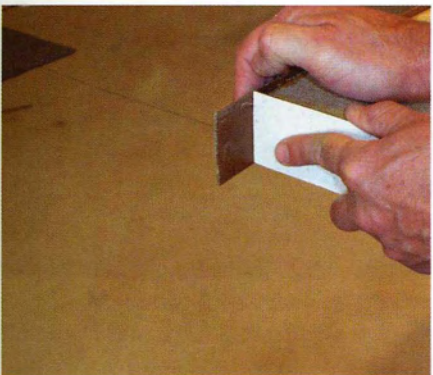
14 Be sure the edges of the countertop are clean and free of chips. (One little chip can cause a dimple in the laminate.) Apply contact cement to the edges of the countertop. Then, apply contact cement to the back side of the laminate strips.



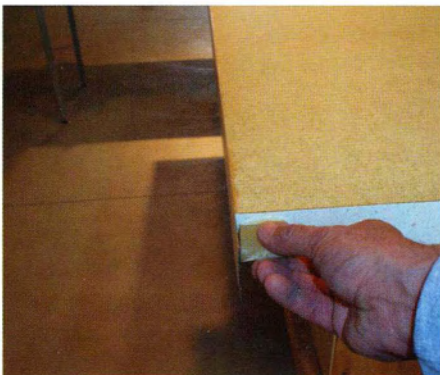
15 When the contact cement is dry to the touch, attach the laminate to the front edge. The laminate is cut oversize, so center it on the edge top to bottom and side to side and press in place.



16 Use a roller (the roller I'm using is called a J-roller) to press the laminate tightly to the countertop.



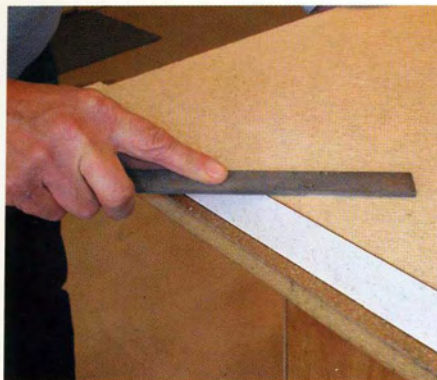
17 Attach the side laminate strips. Keep them tight against the front strip.



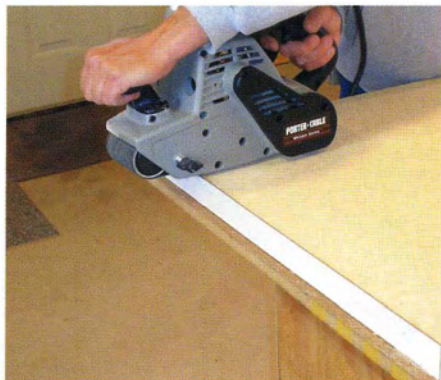
18 Lubricate the surface of the laminate where the trimmer router bit will rub. Use candle wax or spray lubricant.



19 Trim the excess laminate using a router with a straight-cutting bit and a bearing. This will cut the laminate flush.



20 Flush the edge of the laminate using a file. Be sure to hold the file flat with the surface of the countertop.



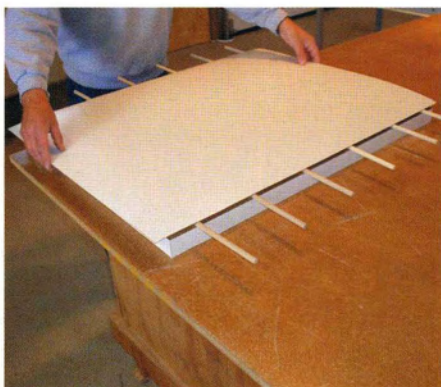
21 A belt sander can be used to flush the laminate to the countertop's surface. Be careful not to over sand.



22 Clean, clean, clean and then apply the contact cement to the countertop and the back side of the laminate. Let the glue dry to the touch on both surfaces.



23 Use dowels as spacers to keep the contact cement from sticking before you want it to.



24 Lay the laminate on the dowels and line it up with the countertop. Let it hang evenly over all the countertop's edges.



25 Remove the center dowel first and press the laminate to the countertop. Be sure to start at the center and work your way to the edges. This will keep you from trapping any air bubbles between the laminate and the countertop.



26 Remove the remaining dowels and roll the top flat.



27 Trim the top laminate flush to the edges.



28 To laminate the backsplash, start with the ends. Glue, attach and trim the laminate. Sand the laminate flush to the face of the backsplash.



29 Laminate the face and trim.



30 Sand both the top and bottom of the backsplash.



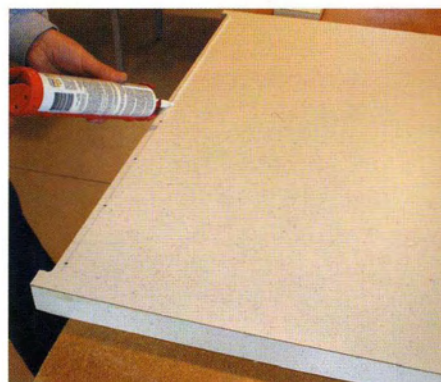
31 Then laminate the top of the backsplash. The top edge is always last.



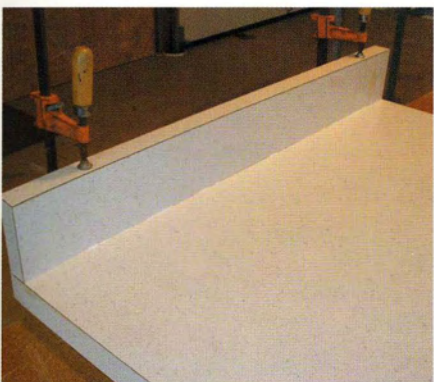
32 Scribe a line $\frac{3}{8}$ " from the back of the countertop and drill $\frac{1}{8}$ "-diameter pilot holes for the screws that will be used to connect the backsplash to the countertop. Start drilling the holes $1\frac{1}{2}$ " from the ends and then about every 4".



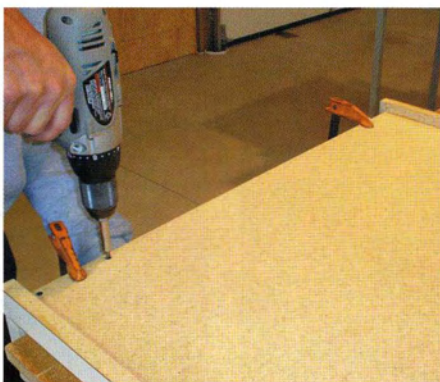
33 Counter sink the pilot holes from the bottom of the countertop.



34 Apply a bead of caulk to the countertop along the line you scribed. The caulk will create a water-resistant fit for the backsplash.



35 Clamp the backsplash in place on the countertop.



36 Attach the backsplash using 2" dry-wall screws installed from the bottom of the countertop. Be careful not to overtighten the screws or they will stripped of their holding strength.



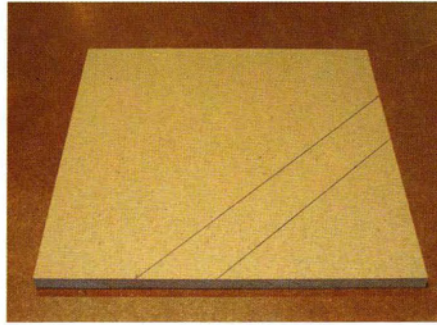
37 Hold a file screwed and at an angle to the countertop's surface. File the edges of the top laminate smooth with the front edge. Clean up any glue and/or caulk and you're ready to install the countertop.

Making a Corbel

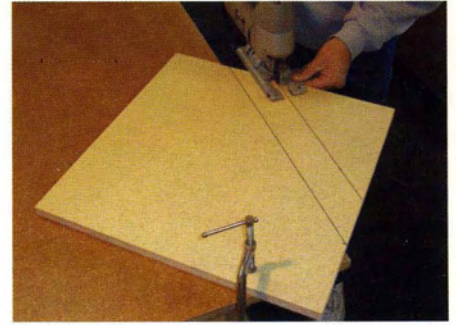
These corbels are designed to match the countertops they will be supporting in that they are made of the same materials as the countertops.

Install the corbels by attaching them to the walls with screws inserted through the back nailer of the corbels. Install the corbels before setting the countertop in place.

After the countertop is in place, attach the countertop to the corbels using screws inserted through the top nailer of the corbel.



1 Cut all parts to size, then cut the angle on the brace. Draw a cut line $4\frac{5}{8}$ " in from opposite corners. Draw another line 3" away and parallel to the first line.



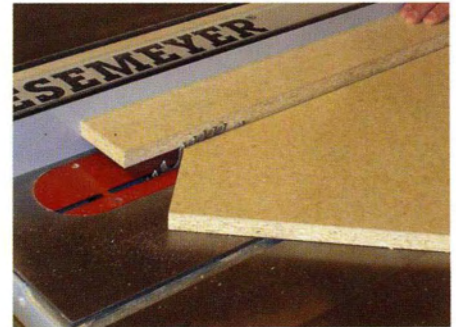
2 Cut on the second line as shown in the photo.



3 Cut a scrap piece of $\frac{3}{4}$ "-thick stock $3\frac{1}{2}$ "-wide and 14"-long. Leave the fence set to make a $3\frac{1}{2}$ " cut.



4 Nail the scrap to the brace $\frac{1}{8}$ " from the cut line.



5 Cut the corbel as shown in the photo.



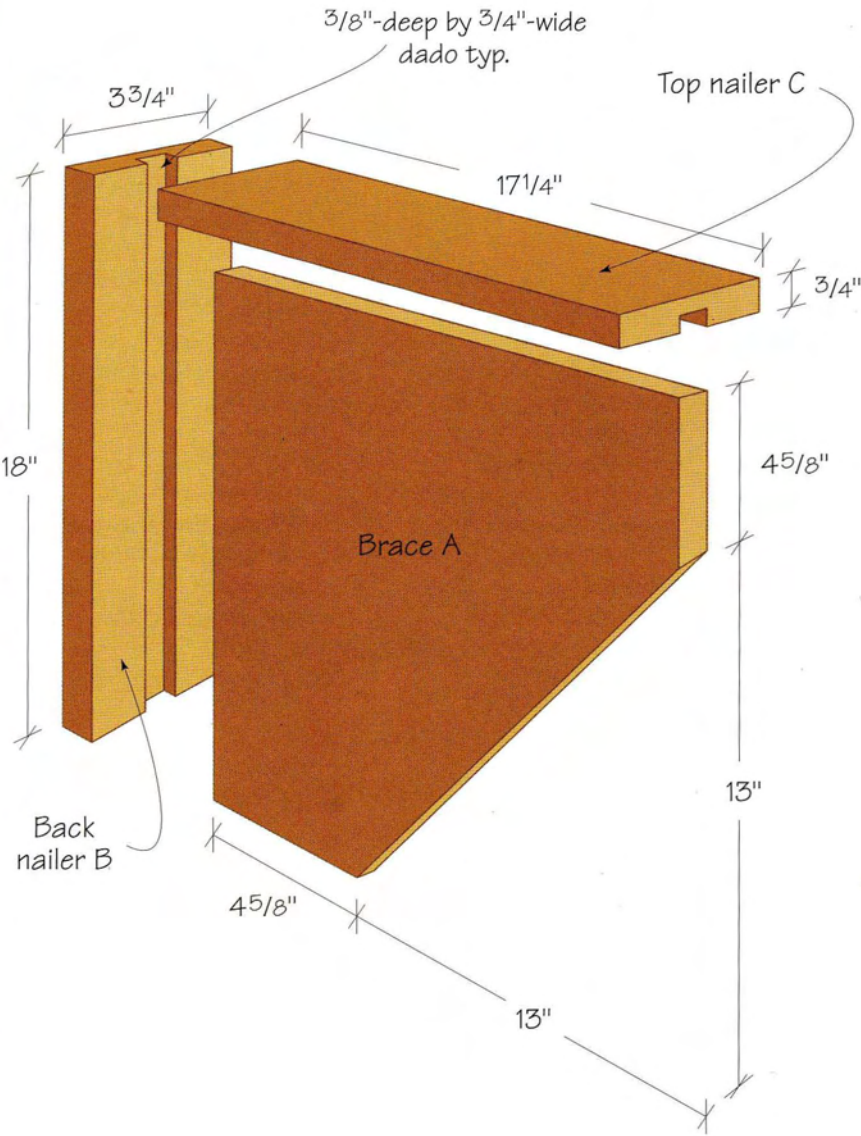
6 If you are laminating or veneering the brace, do it before cutting the dados in the top and back nailers. Adjust the dado cutter to cut the proper width and then cut the dados.



7 Attach the nailers with glue and staples or screws.

color

finish



inches (millimeters)

REFERENCE	QUANTITY	PART	STOCK	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	1	brace	plywood	3/4 (19)	17 5/8 (448)	17 5/8 (448)	cut off 13 x 13 45° corner
B	1	back nailer	plywood	3/4 (19)	3 3/4 (95)	18 (457)	cut a 3/8 x 3/4 dado in one long side
C	1	top nailer	plywood	3/4 (19)	3 3/4 (95)	17 1/4 (438)	cut a 3/8 x 3/4 dado in one long side

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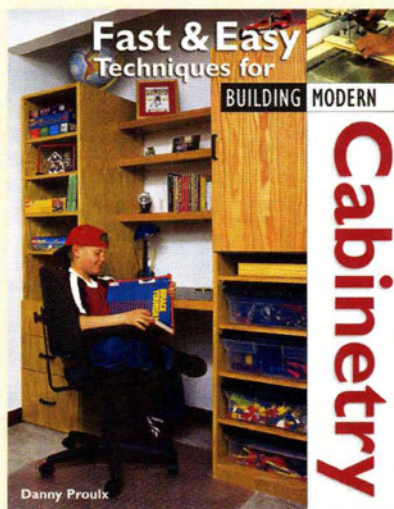


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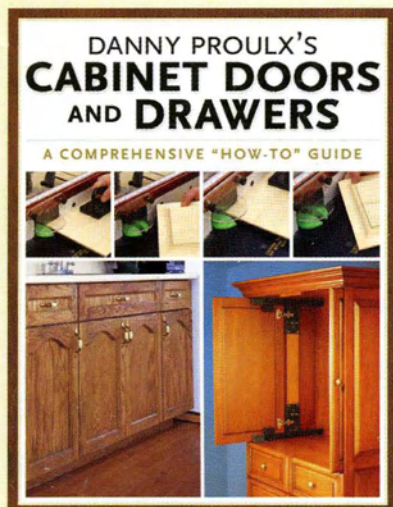
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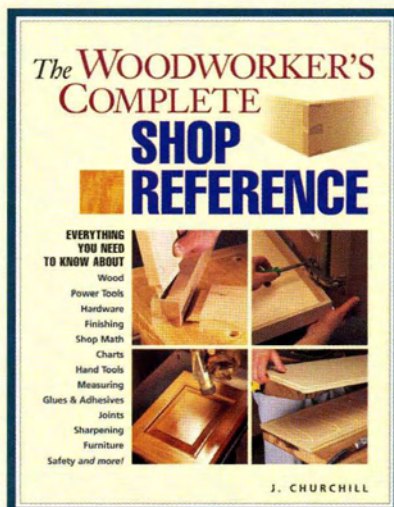
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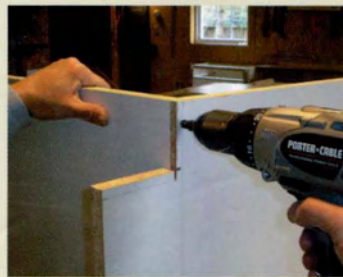
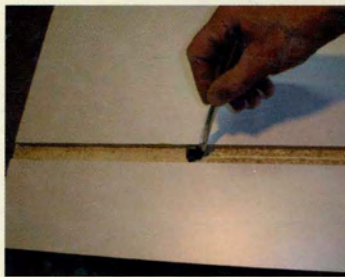
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JOB _____ **TYPE OF CABINET** **VBw/o24** **# OF CABINETS** _____ **DATE** _____

HARDWARE NEEDED:
 4 95° opening European hinges
 8 shelf supports (pins), either 5mm or 1/4" hole size required
 2 handles or pulls for the doors

color _____ **finish** _____

JOB _____

HARDWARE NEEDED:
 4 95° opening European hinges
 2 handles or pulls for the doors

3D Exploded Drawing Labels: Top rail C, Top sub rail E, Rail D, Nailers H, Side A (2), Back I, Shelf K (2), Bottom B, Door J (2), Toe kick F.

inches (millimeters)

REFERENCE	QUANTITY	PART	SPEC	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	20 (508)	31 1/4 (794)	cut 1/4 x 1/2 dados for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch cut 1/4 x 1/2 dado on top back edge
B	1	bottom	plywood	3/4 (19)	20 (508)	23 1/4 (590)	
C	1	top rail	plywood	3/4 (19)	4 (102)	23 1/4 (590)	
D	1	rail	plywood	3/4 (19)	3 (76)	23 1/4 (590)	
E	1	top sub rail	plywood	3/4 (19)	3 (76)	22 1/2 (572)	
F	1	toe kick	plywood	3/4 (19)	3 (76)	22 1/2 (572)	
H	1	nailer	plywood	3/4 (19)	4 (102)	22 1/2 (572)	
I	1	back	plywood	3/4 (19)	3 (76)	22 1/2 (572)	
J	2	doors	plywood	3/4 (19)	11 1/2 (294)	26 (660)	
K	2	shelves	plywood	3/4 (19)	18 1/2 (470)	22 1/4 (569)	

inches (m)

REFERENCE	QUANTITY	PART	SPEC	THICKNESS	WIDTH	LENGTH	COMMENTS
				(mm)	(mm)	(mm)	
A	2	sides	plywood	3/4 (19)	20 (508)	31 1/4 (794)	cut 1/4 x 1/2 dados for bottom, drawers, top rail, back panel and 3" x 4" toe kick notch cut 1/4 x 1/2 dado on top back edge
B	1	bottom	plywood	3/4 (19)	20 (508)	23 1/4 (590)	
C	1	face	plywood	3/4 (19)	4 (102)	23 1/4 (590)	
D	1	rail	plywood	3/4 (19)	3 (76)	23 1/4 (590)	
E	4	corners	plywood	3/4 (19)	3 (76)	22 1/2 (572)	
F	1	toe	plywood	3/4 (19)	3 (76)	22 1/2 (572)	
I	1	back	plywood	3/4 (19)	3 (76)	22 1/2 (572)	
J	1	false drawer front	plywood	3/4 (19)	17 1/2 (444)	24 3/4 (629)	
K	2	doors	plywood	3/4 (19)	11 1/2 (294)	26 (660)	

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