

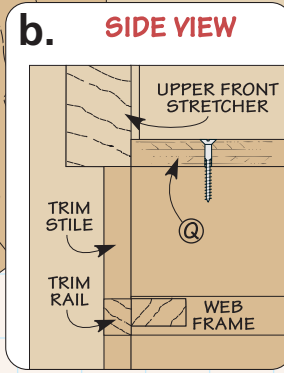
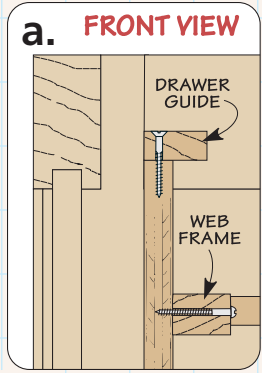
4 OVERVIEW

Q DRAWER GUIDE
($\frac{3}{4} \times 1\frac{1}{2} - 22\frac{3}{4}$)

#8 x $1\frac{1}{2}$ " Fh WOODSCREW

NOTE: SIZE AND INSTALL DRAWER GUIDES AFTER CABINETS ARE INSTALLED

REMOVE UPPER FRONT STRETCHER TO INSTALL CABINETS



NOTE: TWO CABINET SETUP SHOWN. SEE BOX ON OPPOSITE PAGE FOR OPTIONAL SETUP

adding storage with a set of **Drawer Cabinets**

You could leave the base of the workbench open if you'd like, but adding a storage system is one of the best ways to keep all the tools and supplies you'll be using organized and close at hand.

I built a couple cabinets that each hold a set of four drawers, like you see above. Later, the space between the cabinets will be enclosed by a

pair of doors. Or instead, you can add additional drawers by checking out the box at the bottom of the opposite page.

Adding a Drawer Cabinet. The nice thing about the cabinets is that they're identical and consist of only a few modular components: two side panels, four web frames, and some trim pieces (Figure 5).

The sides are just pieces of $\frac{3}{4}$ " plywood. To cover up the edges, I used a tongue and groove joint to add a solid wood trim piece to the front edge. If you take a close look at Figure 5a, you can see how the trim piece extends past the inside face of the plywood. This provides a solid stop for locating the web frames that are added next.

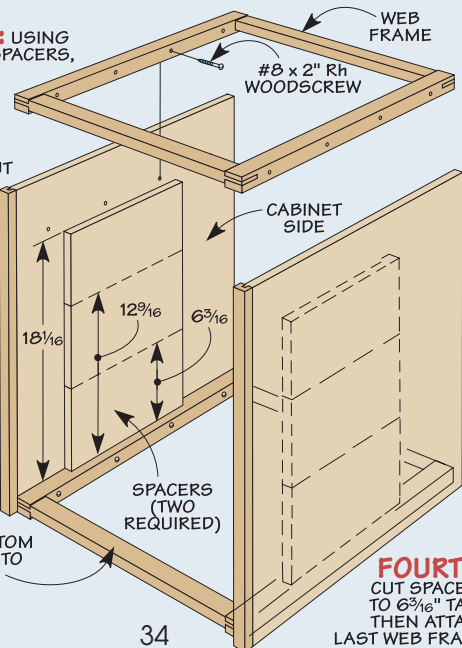
Alignment Tip

SECOND: USING $18\frac{1}{16}$ "-TALL SPACERS, ATTACH TOP WEB FRAME

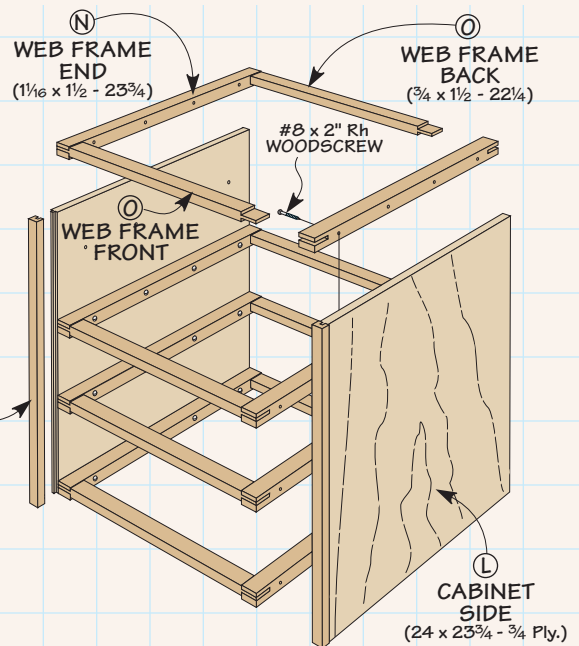
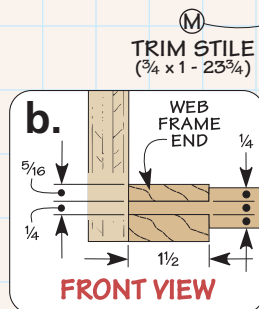
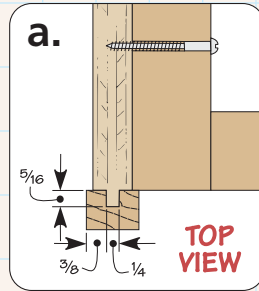
THIRD: CUT SPACERS TO $12\frac{9}{16}$ " TALL AND ATTACH NEXT WEB FRAME

FIRST: ATTACH BOTTOM WEB FRAME TO SIDE FLUSH AT BOTTOM

FOURTH: CUT SPACERS TO $6\frac{3}{16}$ " TALL, THEN ATTACH LAST WEB FRAME



5 FIGURE



Web Frames. In keeping with the classic style of an old-time workbench, the drawers rest on wood web frames instead of metal drawer slides. Besides supporting the drawer, the frame above each drawer acts as a guide to prevent the drawer from tipping as it's pulled out of the cabinet.

Each web frame consists of a pair of thick ends joined to a thinner front and back. A quick look at Figure 5 shows how a bridle joint is used to assemble the front and back to the ends. This is an easy joint to cut on the table saw and the large gluing surface makes for a solid assembly. Figure 5b provides all the information you'll need.

You'll also notice in Figure 5b that the front and back pieces aren't flush with the ends along the top edge. This offset ensures the drawers are supported on just the ends of the web frame and keeps the drawer front from rubbing against the trim rail and front piece of the web frame.

Assemble the Cabinet. With the web frames complete, the next step

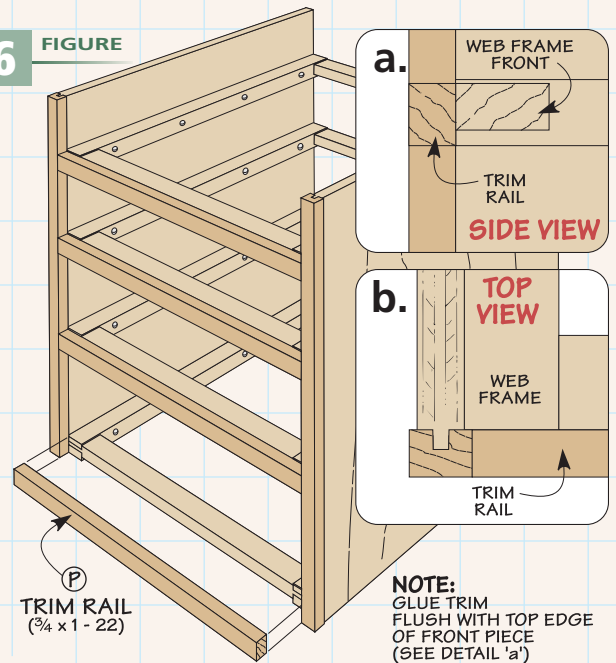
is to attach them to the sides. I spaced the frames to allow for graduated drawers joined with half-blind dovetails. But you can space them any way you'd like. The only thing to keep in mind as you do this is to maintain a consistent gap around the edges of each drawer.

To ensure the frames were level from side to side, I started by screwing the bottom frame in place so it was flush with the bottom edge of the sides. Then I used a pair of identical spacers to install the remaining frames, as shown in the box on the opposite page.

Trimming it Out. To complete the cabinets, all that's left to do is add the solid wood trim pieces shown in Figure 6. The trim pieces are cut to fit between the sides of the cabinet and are glued in place so the top edge is flush with the top face of each front piece (Figure 6a).

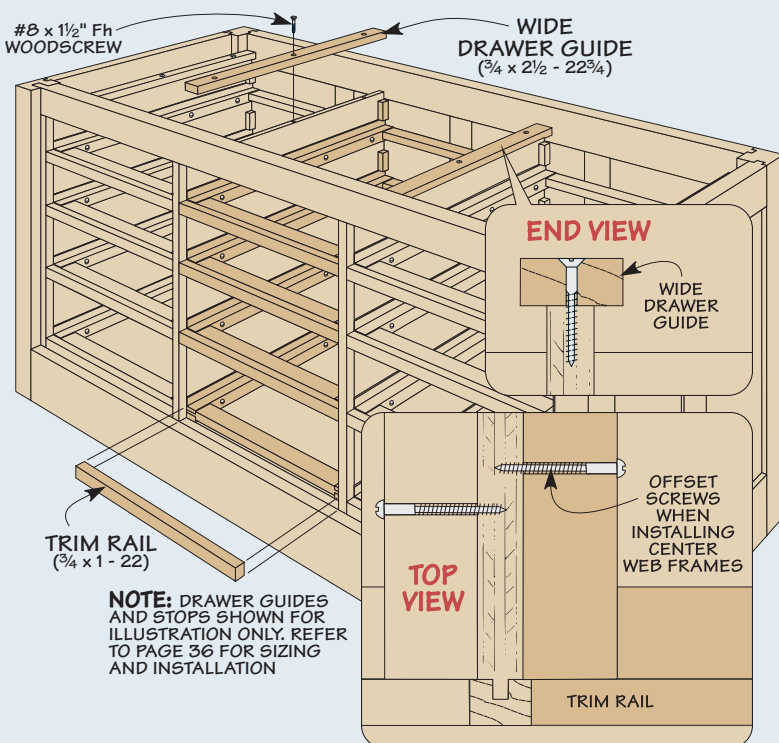
Install the Cabinets. With the cabinets complete, you can set them inside the base of the workbench (main drawing on opposite page). You'll need to remove the upper front stretcher to do this.

6 FIGURE



Once the stretcher is back in place, there's one last thing to do. And that's to install a pair of drawer guides on each cabinet (Figure 4). These guides serve two purposes. First, they lock each cabinet in place, preventing it from sliding front to back. And second, the guides prevent the upper drawer from tipping as it's pulled out.

Optional Set of Drawers



If you'd like to add a third set of drawers to the workbench, all you need to do is make a few more web frames and trim pieces (see drawing).

Size the Frames. The first step is to build the frames to fit the opening between the cabinets. To install each frame, you'll need to slide it down between the cabinets and then screw it in place (see Top View at left).

Trim & Drawer Guides. With the frames in place, you can add the trim rails as before. Finally, to keep the upper center drawer from tipping as it's pulled out, make wider drawer guides for the top.

