

A HEAVY-DUTY WORKBENCH

*A large, heavy-duty workbench that's easy to build.
Combining traditional joinery and modern materials is the key.*

Although the size of this bench is what you first notice (it's nearly eight feet long and three feet wide, not including the vise), it's really the construction that makes it interesting. It's a blend of old and new technology.

The base is built of heavy, solid lumber, using traditional mortise and tenon joinery. But the top is constructed primarily of MDF (medium-density fiberboard). So as

well as being flat and stable, it has the additional benefit of being quick and easy to make (unlike a top that is glued up from solid wood).

Another nice feature are the rows of dog holes along the front and left side of the bench. Combined with a few simple accessories (which are described on page 13), these make it easy to hold a workpiece while routing, sanding, or planing.

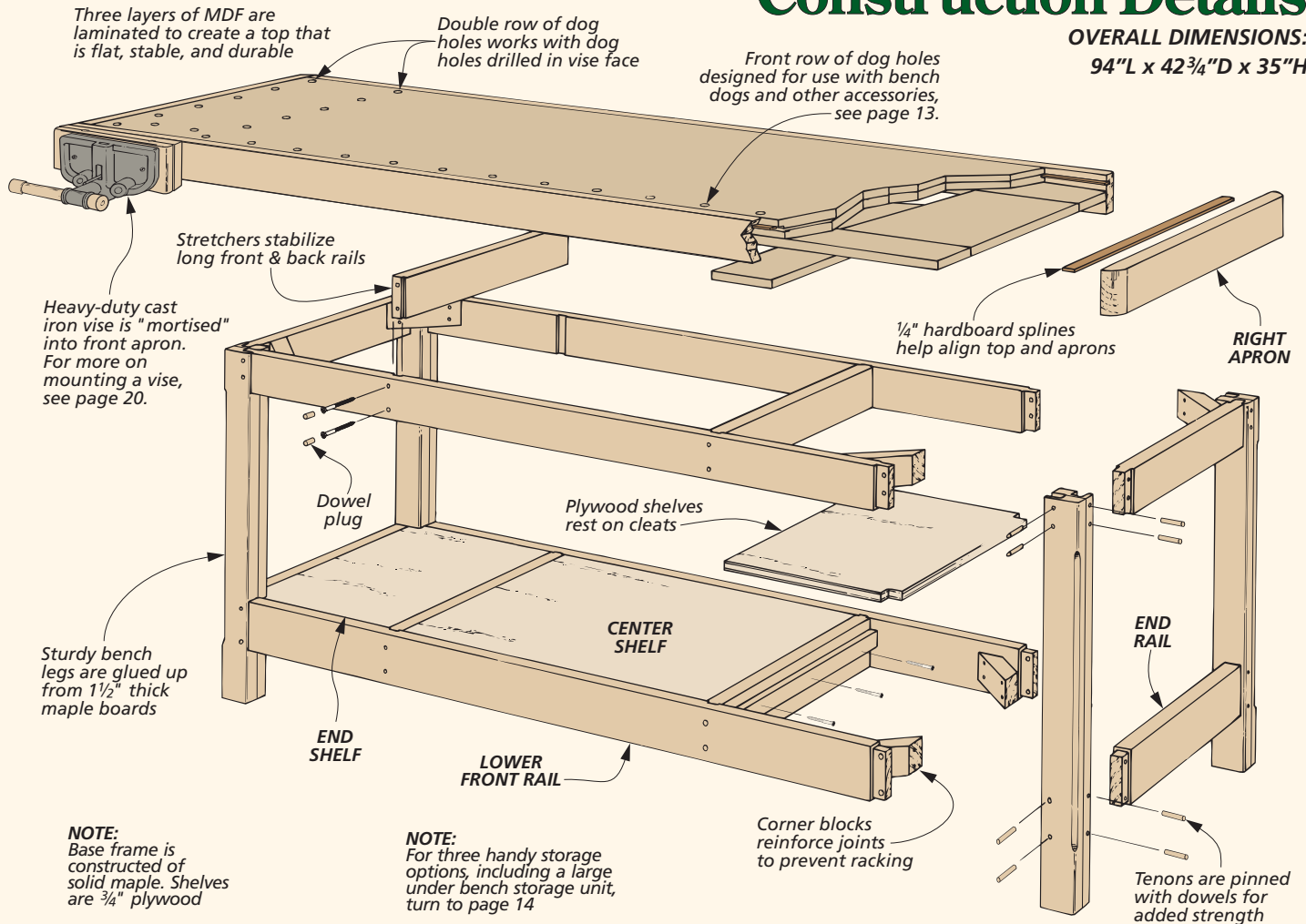
OPTIONAL STORAGE. As great as this workbench is to work on, you can make it even better by adding some optional storage units underneath (see inset photo below). With the bank of drawers, the cupboards at each end, and the open shelving at the back, you won't be running out of space anytime soon. You can read the story behind these storage units on page 14.



*Tired of looking for your tools? ▶
They'll always be within reach if
you build this slide-in storage unit.
Turn to page 14 for complete plans.*

Construction Details

OVERALL DIMENSIONS:
94"L x 42³/₄"D x 35"H

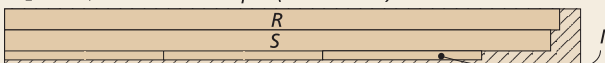


MATERIALS, SUPPLIES & CUTTING DIAGRAM

A Legs (4)	3 x 3 - 32 ³ / ₄	L Top Layers (2)*	3/4" MDF - 33 x 91	W Top Cleats (2)	3/4" MDF - 1 1/2 x 26 ⁷ / ₁₆
B Upper End Rails (2)	1 1/2 x 3 3/4 - 26 1/2	M Support Block (1)	1 1/2 x 6 - 15	• (50) #8 x 1 1/4" Fh Woodscrews	
C Lower End Rails (2)	1 1/2 x 4 1/2 - 26 1/2	N Top End Pieces (2)	3/4" MDF - 15 x 21	• (12) #8 x 1 1/2" Fh Woodscrews	
D Upr. Fr./Bk. Rails (2)	1 1/2 x 3 3/4 - 68 1/2	O Top Frt. Piece (1)	3/4" MDF - 6 x 76	• (48) #8 x 2 1/2" Fh Woodscrews	
E Lwr. Fr./Bk. Rails (2)	1 1/2 x 4 1/2 - 68 1/2	P Top Bk. Piece (1)	3/4" MDF - 6 x 91	• (4) #14 x 2" Fh Woodscrews	
F Upper Stretchers (2)	1 1/2 x 3 3/4 - 27	Q Top Ctr. Pieces (2)	3/4" MDF - 6 x 21	• (2) 5/16" x 4 1/2" Hex Head Bolts	
G Lower Stretchers (2)	1 1/2 x 4 1/2 - 27	R Front Apron (1)	1 1/2 x 3 1/2 - 92 1/2	• (2) 5/16" Lock Nuts	
H Corner Blocks (8)	1 1/2 x 2 1/2 - 7 1/2	S Back Apron (1)	1 1/2 x 3 1/2 - 91	• (4) 5/16" Flat Washers	
I Shelf Cleats (4)	1 1/2 x 3/4 - 26 1/2	T Left Apron (1)	1 1/2 x 3 1/2 - 34 1/4	• (1) Woodworking Vise	
J Ctr. Shelf (1)	3/4 ply. - 26 ⁷ / ₁₆ x 32 ⁷ / ₁₆	U Right Apron (1)	1 1/2 x 3 1/2 - 35 1/2	• (1) 3/8"-dia. Hardwood Dowel (48" long)	
K End Shelves (2)	3/4 ply. - 26 ⁷ / ₁₆ x 16 ⁷ / ₁₆	V Face Block (1)	3 x 4 1/2 - 18	• (1) 1/4" Hardboard (1" x 240" In. in.)	

*Note: One top layer starts out oversized.

1 1/2" x 9 1/4" - 96" Hard Maple (12.3 Bd. Ft.)



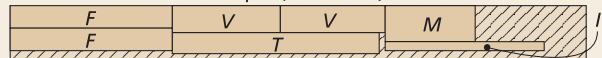
1 1/2" x 9 1/4" - 96" Hard Maple (Two Boards @ 12.3 Bd. Ft. Each)



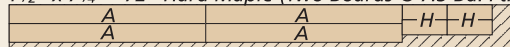
1 1/2" x 5 1/2" - 96" Hard Maple (7.3 Bd. Ft.)



1 1/2" x 9 1/4" - 96" Hard Maple (9.6 Bd. Ft.)



1 1/2" x 7 1/4" - 72" Hard Maple (Two Boards @ 7.3 Bd. Ft. Each)



ALSO NEEDED: Two 4x8 sheets of 3/4" MDF and one 4x8 sheet of 3/4" maple plywood