



ASSEMBLY INSTRUCTIONS

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Workbench

WOOD: We used construction-grade lumber, but this stock can vary in quality. Try to pick straight, dry pieces with a minimum of knots or other defects. And, while we used budget materials, it doesn't mean clear hardwood wouldn't work, too.

M Classics

BASIC TOOLS:
Circular saw
Handsaw
Hacksaw
Drill/driver
Block plane
Doweling jig



Tape measure
Square
 $\frac{9}{16}$ -in. wrench
1-in. spade or
mortise bit
Twist bits

Tools & Materials

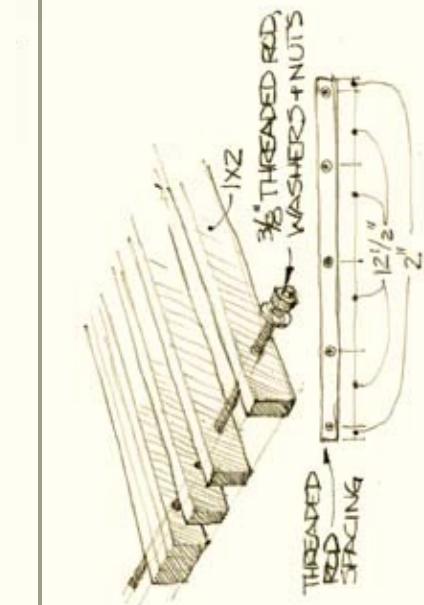
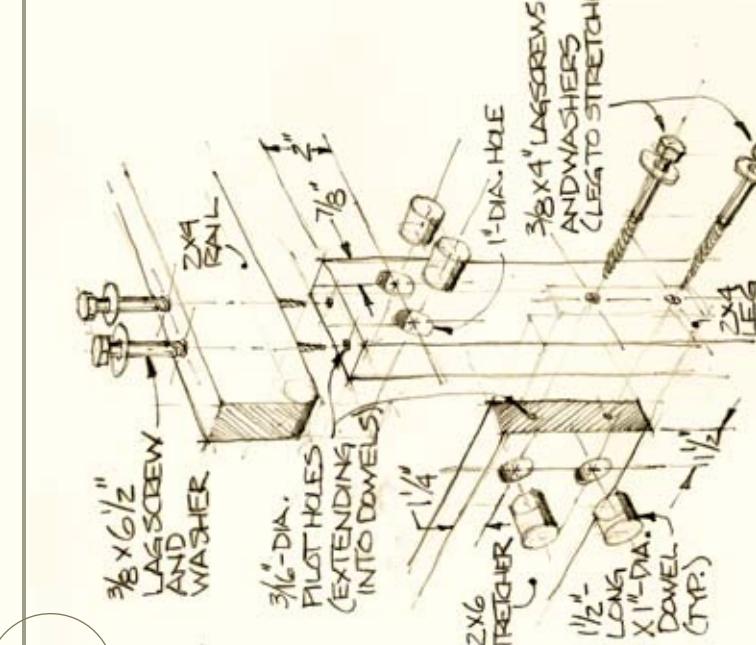
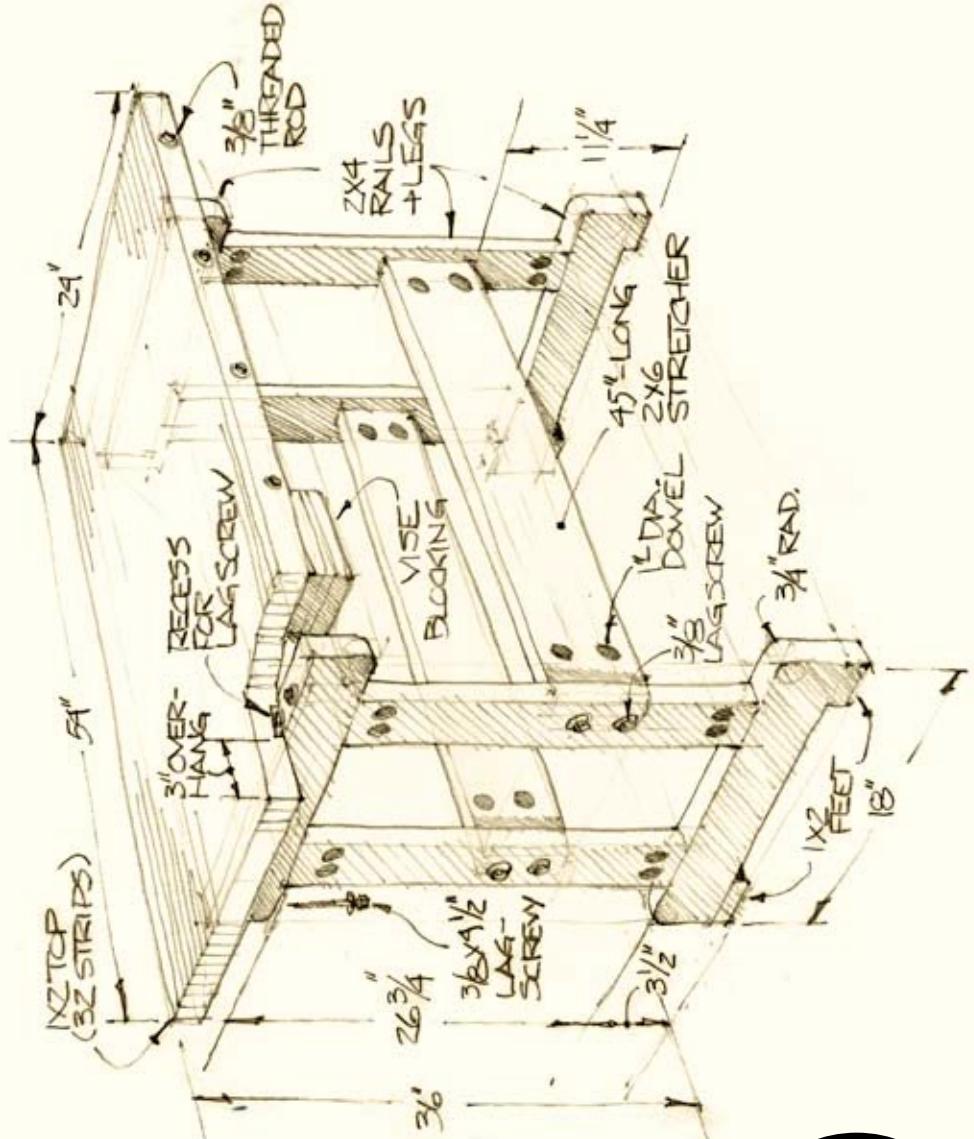
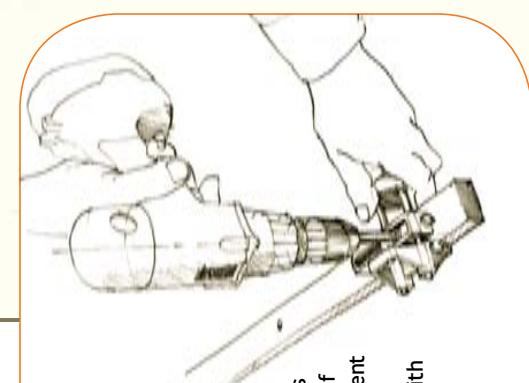
HARDWARE AND SUPPLIES:
 $\frac{3}{8}$ -in. threaded rod
 $\frac{3}{8} \times 4\frac{1}{2}$ -in.
lagscrews,
 $\frac{3}{8} \times 4\frac{1}{2}$ -in.
lagscrews
 $\frac{3}{8}$ -in. washers



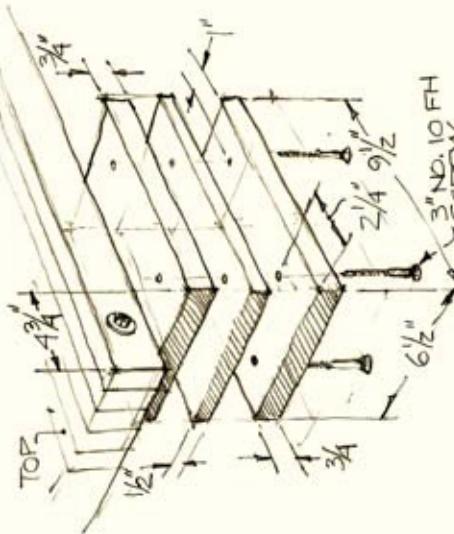
3-in. No. 10 ft
woodscrew
Glue
Vise shown: 9-in.
quick-release vise
(No. 10G0412),
available from
Lee Valley Tools
(leevalley.com)

BORING ALIGNED HOLES

A doweling jig is the best tool for aligning the threaded-rod holes across the top strips. If there's any misalignment after assembly, simply trim the high points with a block plane.



With the top strips cut uniformly oversize, lay out and bore $\frac{3}{8}$ -in. holes for the threaded rods. Cut the rods slightly long, install a washer and nut on one end of each and feed each strip onto the rods. When they're all in place, add the remaining washers and nuts, tighten and trim the benchtop ends and hacksaw the rods to length.



The vise we installed required a 2-in. spacer to bring the vise top flush with the benchtop, which we made from three layers of wood. Depending on the kind of work you do most often, you could install a top-mounted mechanic's vise, instead.