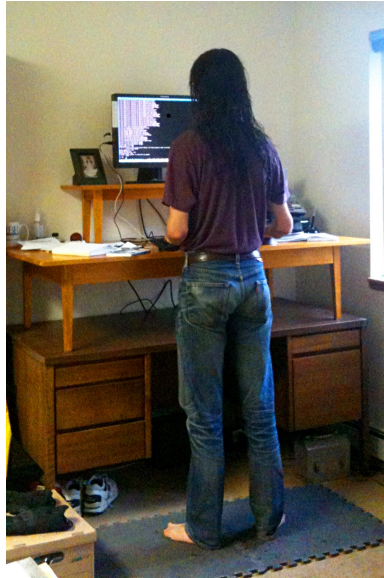


Standing Desk Plans

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Introduction

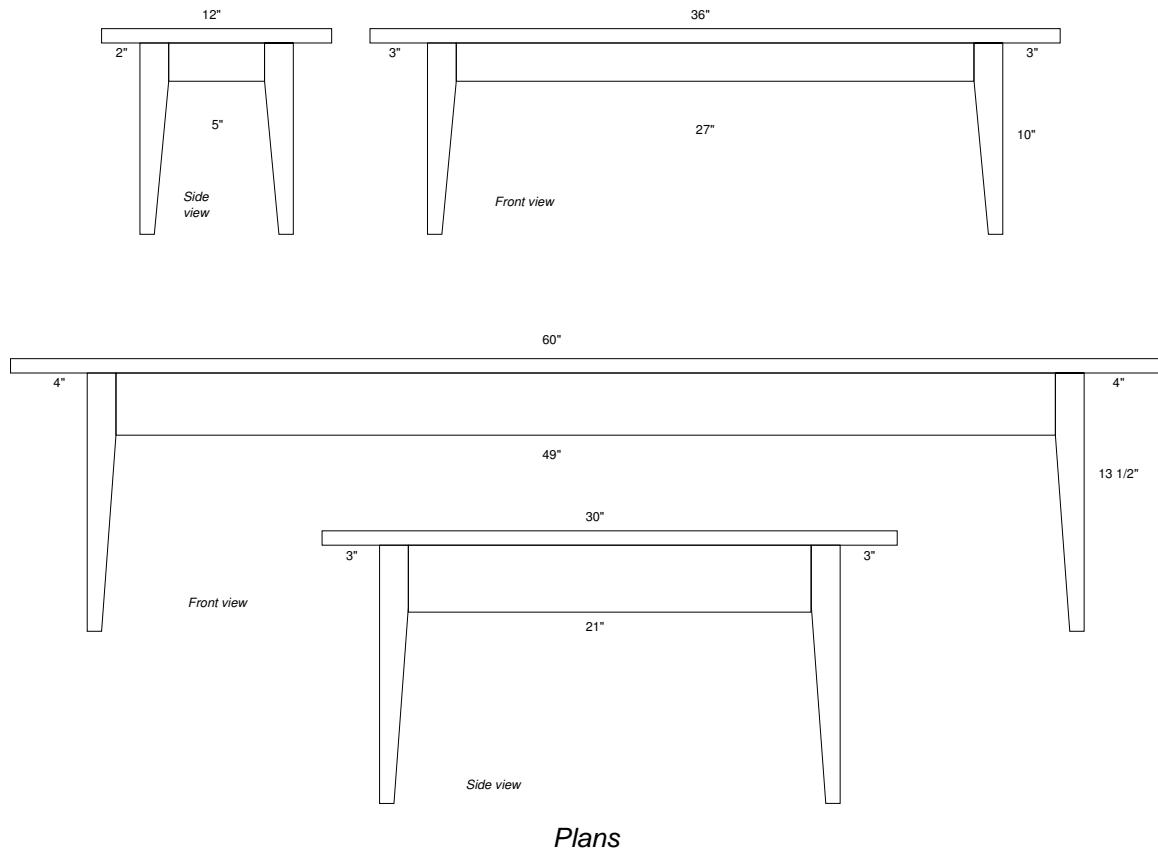


Standing desk

These plans are for a two-level platform that sits on top of an existing desk to bring the height of the main surface to a comfortable standing height. My original desk is 28½" high, and the first platform raises this up 14¼" so the primary surface becomes 42¾" from the ground. This results in my forearms (I'm 6' 3" tall) resting parallel to the ground when I'm typing at a keyboard. The second platform holds one or more LCD monitors at eye level and sits on top of the first.

The primary surface is ¾" birch plywood, wrapped with a thin strip of wood. This is supported by a frame of 1 x 4" rails and 1½" tapered legs. The rails and legs can be joined with mortise and tenon joints, dowels or pocket screws (I used 5/16" dowel pins, two in each side of the rails). The monitor stand is similar, but with 1 x 2" rails.

My standing desk is finished with several coats of amber and superblonde shellac, then waxed with a good paste wax.



Tools

I used a circular saw with a plywood cutting blade to cut the plywood tops and to rip the trim I used to wrap the edges of the plywood. The legs and rails were cut to length using a Millers Falls Langdon miter box, and I used a Henry Peace rip saw to taper the legs. The tapers were cleaned up with a Stanley #6 corrugated sole hand plane. Dowels were located with a self-centering dowel jig and drilled with a power drill. I used Titebond III to glue the legs to the rails, and fastened the tops to the rails using small corner brackets.

Cut List

Count	Dimensions	Notes
1	3/4" x 30" x 60" birch plywood	Main platform top
1	3/4" x 12" x 36" birch plywood	Monitor platform top
4	1 1/2" x 13 1/2" hemlock, tapered	Main legs
2	3/4" x 3 1/2" x 49" hemlock	Front and back rails
2	3/4" x 3 1/2" x 21" hemlocks	Side rails
4	1 1/2" x 10" hemlock, tapered	Second platform legs
2	3/4" x 2" x 27" hemlock	Front and back rails
2	3/4" x 2" x 5" hemlock	Side rails