

# Adjustable Board Bunks



Make as many of these adjustable racks as you need to store boards flat and out of the way. Wall-mount them over studs.

**1** To make each rack, start by cutting two pieces of  $\frac{1}{2}$ " plywood to the sizes shown on **Drawing 1** to create the side plates for the board bunk.

**2** From an 8'-long 2x4 cut a piece 40" long. Rip about  $\frac{1}{2}$ " from one edge. Then rip the other edge to achieve the final  $2\frac{1}{2}$ " width.

**3** From the ripped stock, cut the dividers to length, as shown, making sure to miter both ends at  $5^\circ$ . (Note that the bottom divider is  $4\frac{1}{8}$ " long.) The workpiece is longer than you'll need, but this allows you to work around knots to make the dividers as strong as possible.

**4** Cut a spacer  $2\frac{13}{16}$ "-wide from a scrap of 2x4 stock, and use this as a spacer to align the dividers. Now glue and screw the dividers to the plates, where shown.

**5** To make the arms, rip a second piece of 2x4 to  $2\frac{3}{4}$ " wide. Again, avoid sections with knots to ensure maximum strength. (We made four arms for each rack assembly.) Miter one end of each arm at  $5^\circ$ . Then rout  $\frac{1}{4}$ " round-overs on the edges and ends where shown. Don't rout the mitered end. Sand all the parts through 150-grit, and apply a clear finish if desired.

**6** To mount the rack assembly, locate your wall studs, and then drill  $\frac{3}{8}$ " holes through four of the dividers, as shown. Use these holes to mark your wall, and then drill  $\frac{1}{4}$ " pilot holes 2" deep into the studs. (If the studs are exposed—no drywall—then make the pilot holes  $2\frac{1}{2}$ "-deep.)

**7** Screw the rack assembly onto the studs using  $\frac{3}{8}\times 5$ " lag screws, spacing them every 16" or 24". Slip in the arms, and add your prized lumber stock.

