

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 $2\frac{1}{16}$ "-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° . 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 walls 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 $\frac{3}{8}$ x5" lag screws, spacing them every 16" or 24". Slip in the arms, and add your prized lumber stock.

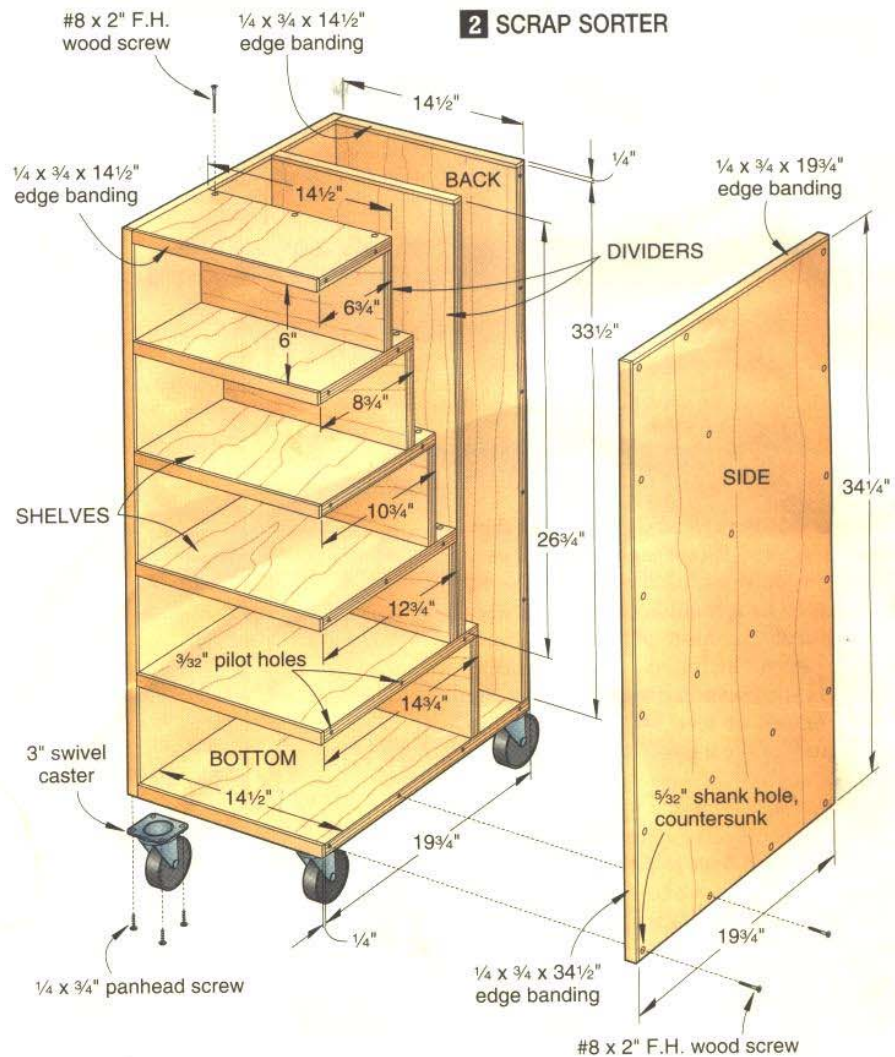
Storage Solution 2: Shop-smart scrap sorter



Corral your cutoffs with this handy mobile cart. It lets you organize your stock by length so you'll always know exactly what you have at a glance.

1 Begin by cutting the plywood sides, shelves, and dividers to the sizes shown on **Drawing 2**.

2 Rip stock (we used poplar) to size to create the edge banding. Then apply the edge banding, where shown. This will dress up the project while protecting the plywood edges from nicks.



3 Place both side pieces face to face and drill shank holes for the #8x2" screws that will hold the cart together. Also drill shank and pilot holes, and then assemble each of the divider cubbies.

4 Sand the parts through 150-grit, and apply two coats of clear finish to all the cart's pieces.

5 Now assemble the cart. We used screws only—no glue—to allow tweaking the fit of each piece.

6 Install four 3" swivel casters to the bottom corners of the cart, where shown. To do this, turn the cabinet upside down, place a castor at each corner, mark and drill the holes, and screw the castors in place.