

Chicken Coop/Cubby hole storage unit

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Note: this is an adaptation of a preexisting design. My wife showed me a picture of a storage unit and asked me to make something similar.

Dimensions:

Large unit 48w x 40h. 11" deep. 16 cubbies (4x4)

Small unit 40w x 26 h. 8" deep. 12 cubbies (4w x 3h)

Materials:

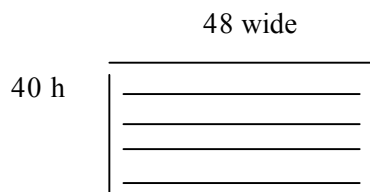
Cedar or redwood fence panels (5.5" wide; 1/2" thick)

The sides, shelves, and dividers are made from 2 fence panels that are joined with biscuits. The panels were used as is (not jointed or trimmed) for a rustic look. Panels for the small unit were joined then ripped to width. These could also be joined by other methods or made from larger pieces of wood.

Save cutoffs for trim pieces

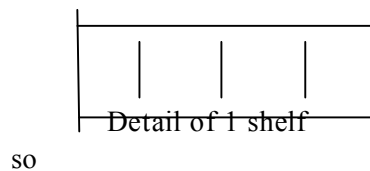
These instructions are for the larger unit.

1) Construct the main carcass



Note that the top panel is full width to cover the end grain of the sides. Other shelves (including the bottom) are attached to the sides. Shelves are equally spaced and attached to the sides with biscuits.

2) Add vertical dividers



Each shelf is divided into 4 equal boxes (3 for small unit).

Vertical dividers are cut to exactly fit the opening, then

nailed in place. Start with center shelves and work out

Then it will be possible to nail them.

Repeat for all shelves.

3) Make back panel

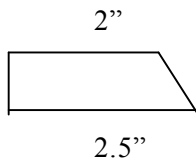
Lay the unit face-down on a flat, level workspace. Ensure that the carcass is square by measuring diagonally from corner to corner. Adjust until the diagonals are equal (ensuring that the carcass is square).

Cut fence panels to fit the back and nail to both horizontal and vertical dividers for rigidity.

4) Chicken Coop detail

The bottom front edge of each cubby has an angled strip of wood. Patterned after a chicken's nesting cubicle, it keeps stored items in the cubby and adds visual interest.

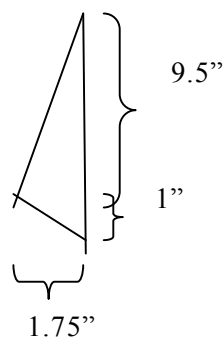
Rip one side of a trim piece to a 35 degree angle. The wide edge will be 2.5"; the narrow edge will be 2 "



Cut the trim piece to the width of the carcass (48" for large unit)

1 trim piece will be needed for the bottom of each shelf (4 for large, 3 for small)

Cut triangular spacers – 1 for each vertical divider and the side pieces (20 for large, 15 for small). For best fit, you may want to hold the front trim piece in position and trace the actual dimensions of the triangle. Use this as a pattern for the rest of the triangles.



Glue and nail the triangle spacers on each vertical piece. The bottom point should line up with the top of the horizontal shelf.

Glue and nail the horizontal trim piece to the horizontal shelf and the triangular spacer.