

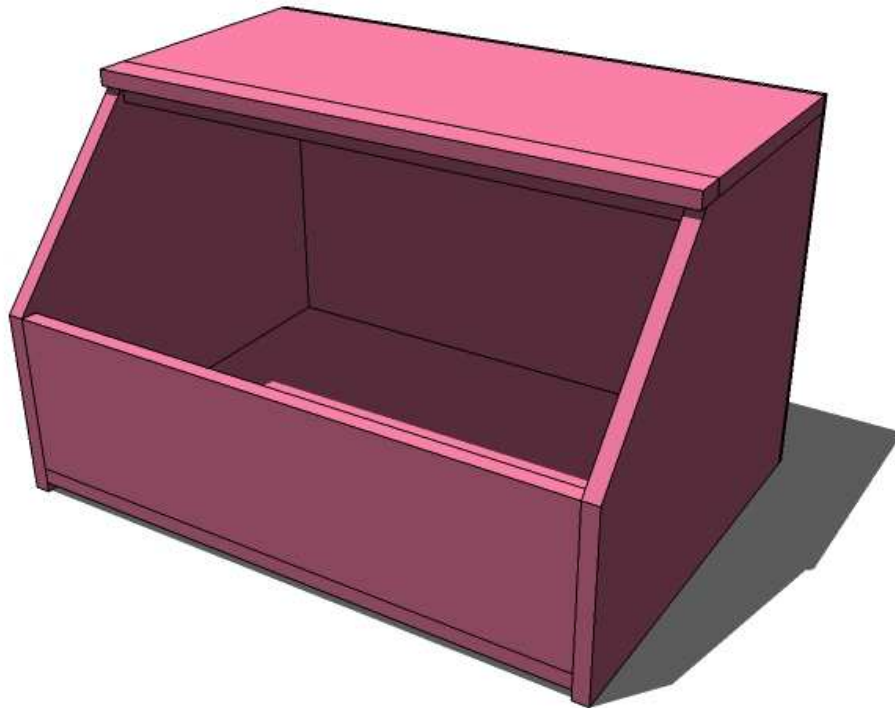
ANAWHITEKNOCK-OFFWOOD

100s OF FREE AND EASY KNOCK-OFF FURNITURE PLANS TO SAVE YOU \$1000s

PLANS: Open Base for the Cube Collection

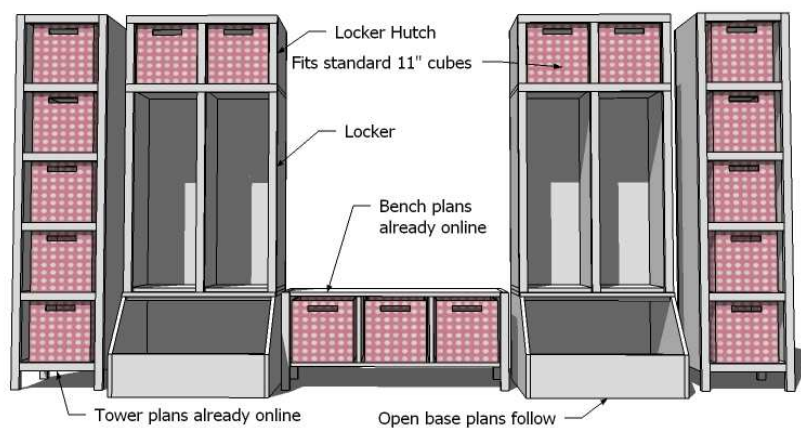
Compare to: Land of Nod Cube Collection, Open Base Locker System

Skill Level: Beginner



Easy Open Base

This stuff all open base works with the lockers and the rest of the Cube collection to create organization and order to any room in your home.



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SHOPPING LIST

Quantity	Description
1	20" wide project panel or MDF shelving, 72" long
1	1x2, 8' Length
1	1x12, 4' Length (or less, you only need 30")
1	1x8, 4' Length (or less, you only need 30")
1	¼" Plywood, ¼ sheet
2"	Screws
	1 1/4" Finish Nails
	2" Finish Nails
1	Small Tube Wood Glue
	Sandpaper
	Finishing Supplies including wood filler

RECOMMENDED TOOLS

Measuring Tape, Square, Saw, Drill with Countersink Bit, Finish Nailer, Sander, Clamps

CUT LIST

	Quantity	Board	Length	Description
A	2	20" Project Panel	17 1/4"	Sides
B	1	20" Project Panel	27 "	Sides
C	1	1x12	28 1/2"	Top
D	1	1x2	28 1/2"	Top Trim
E	1	1x2	27"	Top Support Trim
F	1	¼" Plywood	28 ½" x 18"	Back
G	1	1x8	27"	Front

IN GENERAL

Refer to the blog at www.knock-offwood.com for any comments or suggestions for this plan. Always wear necessary safety equipment and take safety precautions. Check for square after each step. Measure all joints out and mark clearly with a square on BOTH sides of the joint (so you know where to nail). Use glue unless otherwise stated. Always predrill and countersink any screws. If you are using MDF, avoid fastening too close to the edges to avoid splitting your MDF.

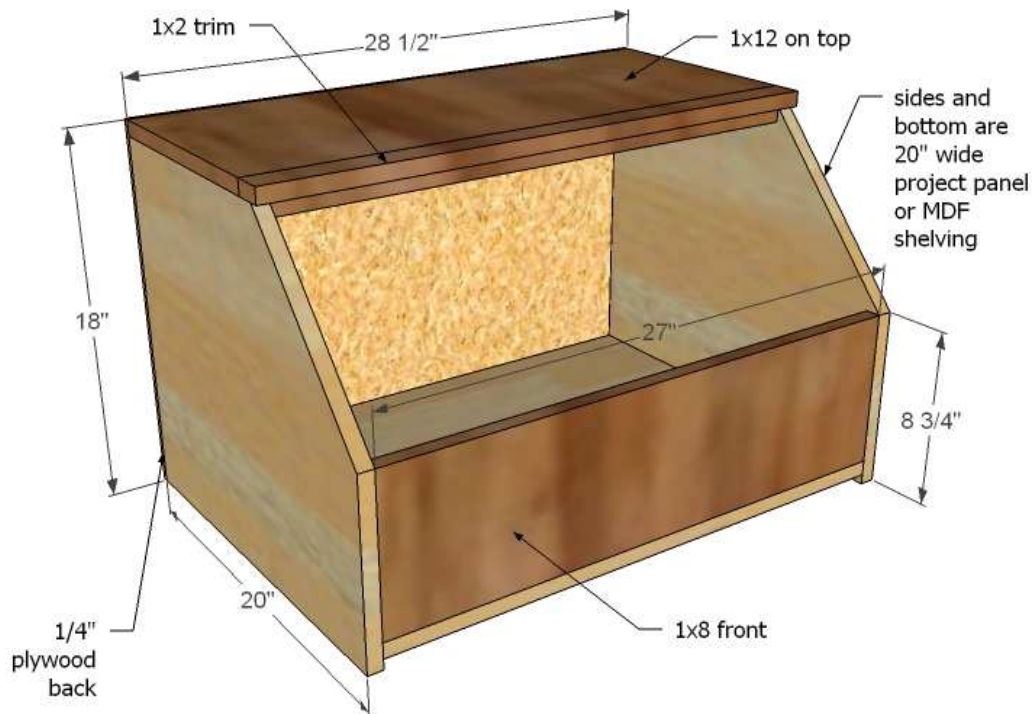
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DIMENSIONS AND COMPOSITION

Dimensions and composition are shown above. The most inexpensive options for the finish are detailed below.

FOR PAINTED FINISH use MDF cut into 11 ½" wide strips or primed MDF boards at least 11" wide or MDF shelving 11 ½" wide. Boards do not need to be exactly 11 ½" wide (as a standard dimensional 1x12 is). Frame the piece out in pine 1x2s or hardwood 1x2s for increased strength. Seal with primer before painting.

FOR RUSTIC SOLID WOOD FINISH (Think Pottery Barn Kid's Thomas Collection) Build the box out of 1x12 boards (choose straight 1x12s) and trim with 1x2s made of pine or whitewood. You may need to add wood conditioner to the wood to keep the stain from going on "blotchy."

FOR THE FRAMED IN SOLID HARDWOOD FINISH Buy A1 Plywood in the hardwood of choice (for example, maple) and have the plywood cut at the hardware store into 11 ½" wide strips. These strips are now referred to as 1x12s. Buy matching hardwood 1x2s for the legs and face framing.

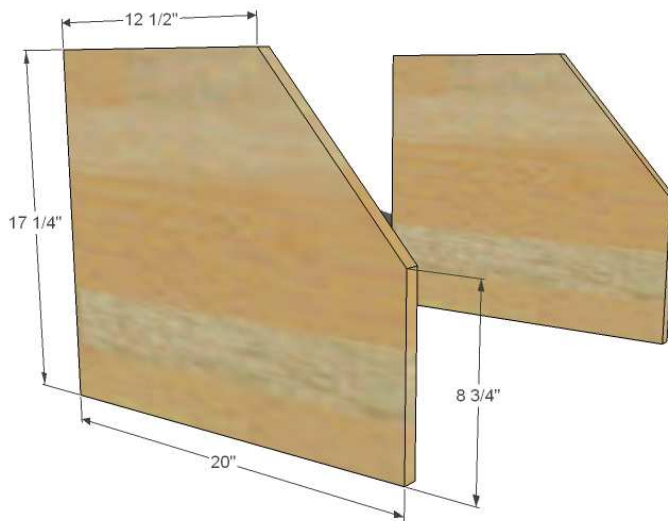
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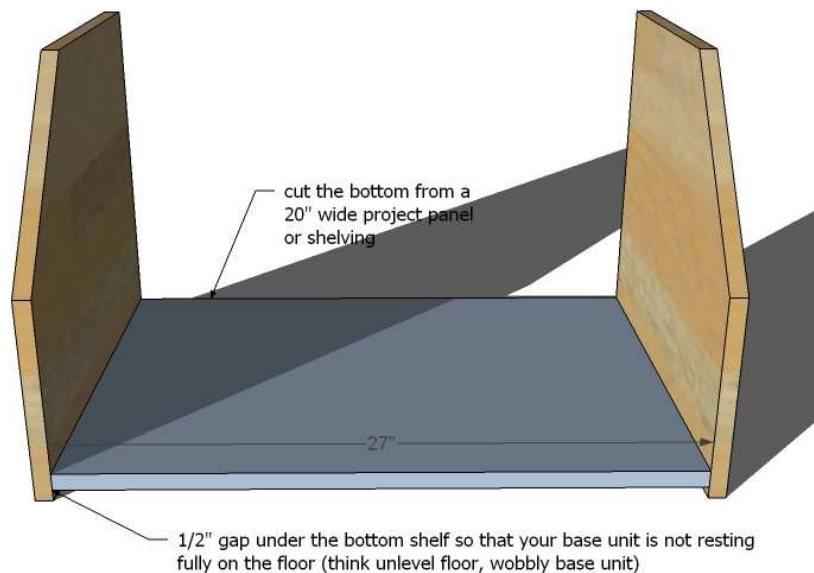


STEP 1: CUT THE SIDES

From the side pieces cut from the 20" wide project panel, cut the sides as shown here. Just mark a straight line and cut with either a jigsaw or circular saw. Sand the edge smooth – it'll be much easier to sand now than to sand when the base unit is assembled.

STEP 2: BUILD THE BOX

Mark the sides $\frac{1}{2}$ " from the bottom. Attach the bottom with 2" screws or nails to the sides, lining the bottom up with the mark $\frac{1}{2}$ " up. By leaving a small gap under the bottom shelf, you give your base unit room to breathe and if your floor isn't perfectly level, your base unit won't "wobble" on the floor.



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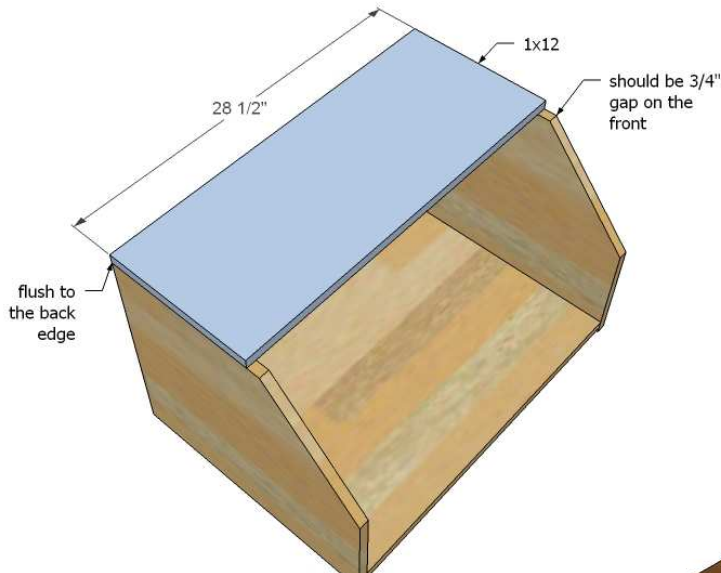
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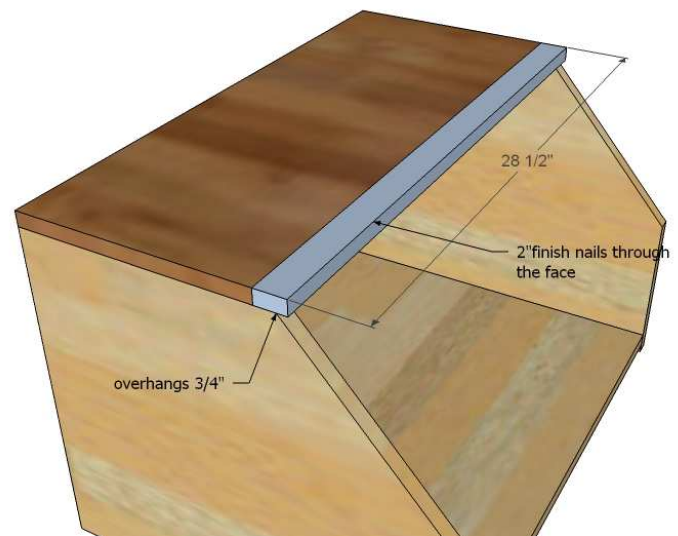
STEP 4: TOP



Attach the top directly to the sides, flush with the back. Use 2" finish nails and glue. Check for square.

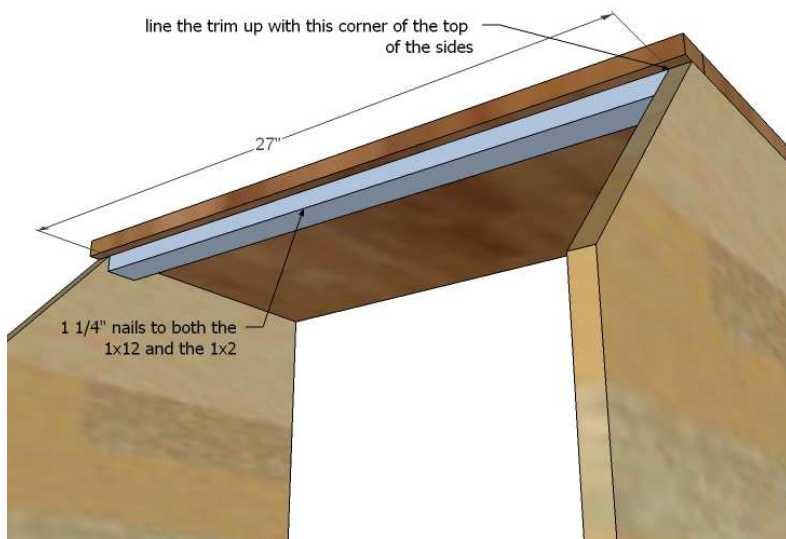
STEP 5: TOP TRIM

Attach the top trim directly to the sides, as shown to the right. Use 2" finish nails and glue. Check for square.



STEP 5: TOP SUPPORT TRIM

Attach the support trim to the underside of the top as shown here. Use 1 1/4" finish nails and glue.



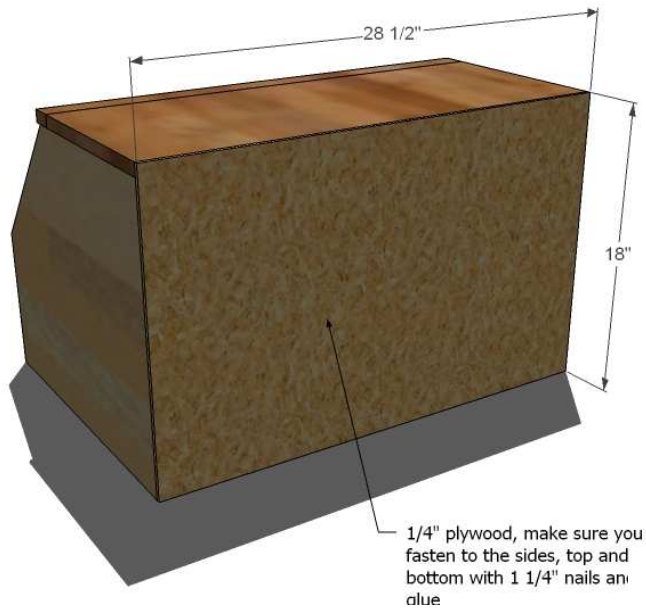
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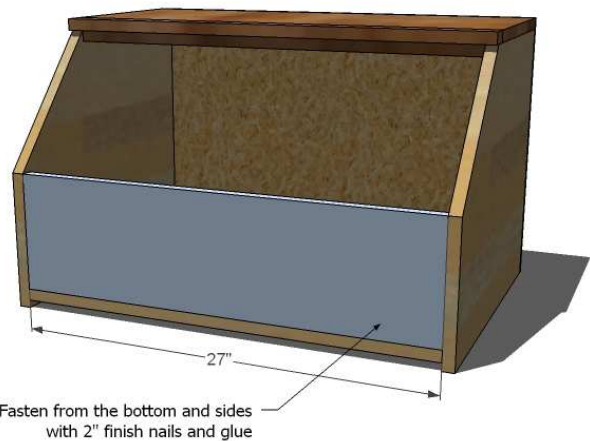


STEP 5: BACK

Adjust the base unit for square. Attach the back with 1 1/4" finish nails and glue.

STEP 5: FRONT

Attach the front inset to the sides and bottom as shown here. Use 2" finish nails and glue.



FINISHING

Fill all holes with wood filler. Sand with coarse sandpaper. Fill holes with wood filler again, and sand with medium grit sandpaper. Then finish with a fine sandpaper. Always sand in the direction of the wood grain. If you are painting, prime, painting the insides first, outsides last. Add two coats of paint. You can add a clear top coat if you wish. For staining, always test out a scrap piece, with wood filler. If the wood filler is not taking stain, you may wish to buy a color coordinated wood filler and fill your holes with this. If the stain is going on blotchy, you may need to apply a wood conditioner prior to the stain. Apply a top coat if necessary.

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