

## HARDWARE ORGANIZER

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A very simple-to-make hardware organizer that helps keep your garage shop under control. The dimensions of this particular cabinet are 20" x 12.5" x 7.5", and it contains eleven drawers for organization, each of which can be divided further if necessary. The wider bottom drawers, in particular, are sized to fit two 100-packs of Kreg pocket-hole screws each.

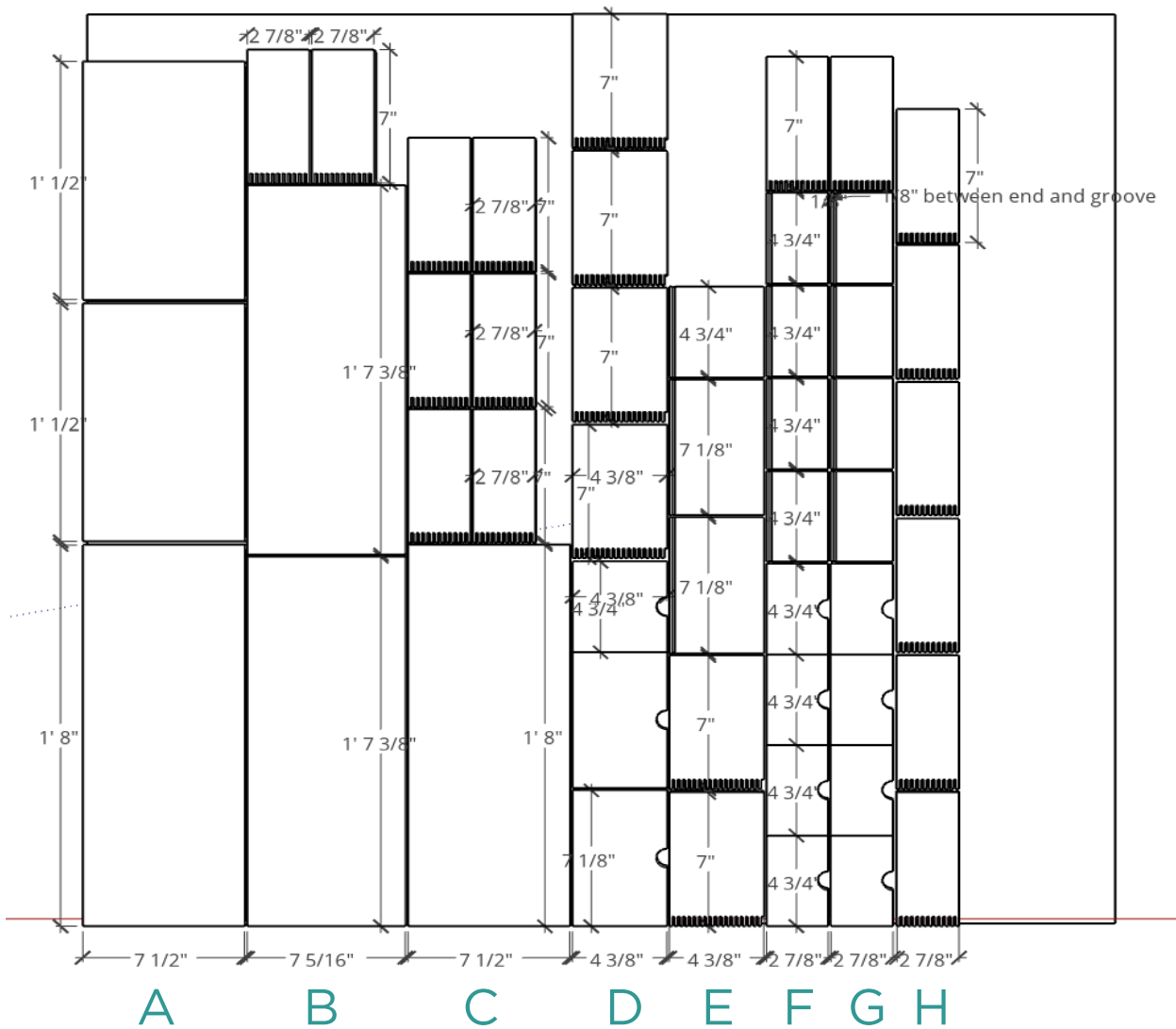
## MATERIAL LIST

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- (1x) 4' x 4' sheet of 1/2" plywood
- (1x) 4' x 2' sheet of 1/8" plywood

**PARTS LIST**

Part	Description	Qty	Dimensions (L x W)	Material
A	Cabinet top/bottom	2	20" x 7-1/2"	1/2" ply
B	Cabinet sides	2	13-1/2" x 7-1/2"	1/2" ply
C	Cabinet shelves	2	19-3/8" x 7-5/16"	1/2" ply
D	Drawer sides - short	16	7" x 2-7/8"	1/2" ply
E	Drawer sides - tall	6	7" x 4-3/8"	1/2" ply
F	Drawer fronts/back - short	16	4-3/4" x 2-7/8"	1/2" ply
G	Drawer fronts/back - tall narrow	2	4-3/4" x 4-3/8"	1/2" ply
H	Drawer fronts/back - tall wide	4	7-1/8" x 4-3/8"	1/2" ply
I	Cabinet backer	1	19-1/2" x 12"	1/8" ply
J	Drawer bottoms - wide	2	6-1/2" x 6-5/8"	1/8" ply
K	Drawer bottoms - narrow	9	6-1/4" x 4-1/4"	1/8" ply
L	Drawer dividers - shallow (optional)	8	4-1/4" x 2-5/8"	1/8" ply
L	Drawer dividers - deep wide (optional)	2	6-5/8" x 4-1/8"	1/8" ply
M	Drawer dividers - deep narrow (optional)	1	4-1/4" x 4-1/8"	1/8" ply



1. Rip the 1/2" plywood into strips.
  2. Set a stop block to 20". Crosscut **Strip A**. Using the same length setting, crosscut **Strip C** to 20".
  3. Reset the stop block to 19-3/8". Crosscut **Strip B** twice.
  4. Reset stop block to 13-1/2". Crosscut the remaining **Strip A** twice to make the two cabinet sides.
  5. Reset stop block to 7":
    - Crosscut the remaining section of **Strip B** once.
    - Crosscut the remaining section of **Strip C** three times.
    - Crosscut **Strip D** four times.
  6. Reset the stop block to 7-1/8":
    - Crosscut **Strip D** twice.
    - Crosscut the remaining section of **Strip E** twice.
  7. Finally, reset the stop block to 4-3/4":
    - Crosscut **Strip D** once.
    - Crosscut **Strip E** once.
    - Crosscut **Strip F** seven times.
    - Crosscut **Strip G** seven times.
- Crosscut **Strip E** twice.
  - Crosscut **Strip F** once.
  - Crosscut **Strip G** once.
  - Crosscut **Strip H** six times.

## DRAWER BOTTOMS

1. Cut one strip of 1/8" plywood to 8-5/8".
2. Set a stop block to 6-1/2" and make two crosscuts for two 6-1/2" pieces
3. Rip the remaining section to two 4-1/4" wide strips.
4. Reset the stop block to 6-1/2" and crosscut each 4-1/4" strip five times to make 10 drawer bottoms.
5. Reset the stop block to 6-5/8" and crosscut the wider drawer bottom pieces to 6-1/2" x 6-5/8".

## FINGER PULLS

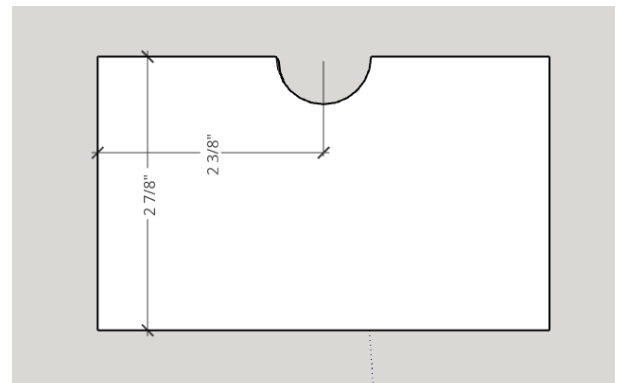
Using a drill press, cut a finger pull in eleven of the drawer fronts/back. The pocket can be cut with a 1" forstner or spade bit, and should be centered along the front and the center of the bit should be on the edge.

## FINGER JOINTS

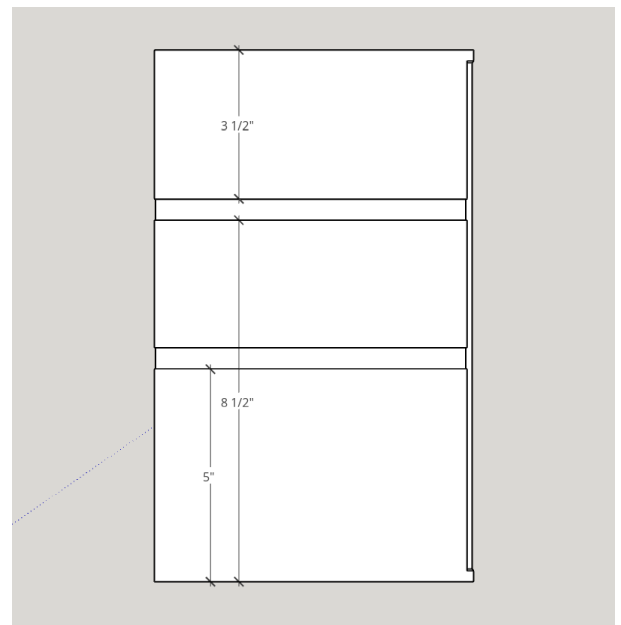
1. Cut finger joints on the cabinet sides.
2. Cut mating finger joints on the cabinet bottoms and tops.
3. Assemble cabinet with glue & clamps.
4. Take a pair of drawer sides, a front and a back.
5. Cut finger joints on all drawer fronts and backs.
6. Cut mating finger joints on all drawer sides.
7. Cut the grooves in the sides, fronts, and backs for drawer bottoms

## DADOS & ASSEMBLY

1. Cut dados in the cabinet sides to accept the shelves.
2. Cut the grooves in the sides, fronts, and backs for drawer bottoms
3. Assemble cabinet with glue & clamps.
4. Assemble each drawer (including drawer bottoms) with glue and clamps.



*Shallow drawer finger pull detail*



*Cabinet sides dado detail*