

## Rowley how-to guide: **Workroom Storage Racks**

Well-designed storage racks can make your workroom space more organized and efficient. Building customized racks that are catered to your workroom can be a fast and easy way to make the best use of usable square footage.



### MATERIALS & SUPPLIES

#### Rowley Products

12' Long Tape Measure

#### SKU

**DT12**

#### Other Materials Needed:

1/2" Plywood – one side sanded

Pneumatic Nailer / Nails

Various Saws (Compound Miter Saw, Table Saw)

1 x 2 x 8 for frame and shelf support

Markers

Carpenter's Square

Casters – swivel is best

#### Optional Materials:

1/2" decorative trim strips

Wood Filler

Putty Knife

Sand paper

Paint, Paint Roller, Paint Brush

## WORKROOM STORAGE RACKS: STEP-BY-STEP INSTRUCTIONS

This project guide covers the steps to design and build customized storage racks for your workroom. These can be made in any size or shape and are only limited to your available floor space and imagination. These storage units finished at 64 1/4" W x 30" T x 12" D and were each made with a different shelf arrangement. This guide will share steps for these measurements – if you plan to change any measurements, you will need to adjust the materials needed.

### Planning and Cutting:

- 1 Measure the area you want to utilize.
  - I opted to use a 12" space on the outside of my sewing machines for quick access to product both from the machines and from the work table.

- 2** Do a cut plan (a layout of needed pieces) to determine the amount of wood you will need.
  - You will need a top frame and a bottom frame. These will be the same.
  - You will need a back. This could be done in pieces if needed.
  - You will need two side pieces.
  - You will need a center shelf and support piece.
  
- 3** For the top and bottom frame and for the shelf you will need to cut:
  - Two 1 x 2's at 63 ¾" (total of 5) and two 1 x 2's at 9" (total of 6) for the frame. You will also need a piece of plywood cut to 63 ¼" x 12" (total of 3).
  - For the sides you will need to cut two 12" x 30" pieces of plywood (total of 2).
  - For the back you will need to cut one 64 ¼" x 30" piece of plywood (total of 1).
  - Keep the wood scraps because you may need to cut support pieces for the shelf.

## Building the Cabinet:

- 1** Place two 1 x 2 x 63 ¾" on 1 ½" sides and butt them up to two of the 9" pieces to form a rectangle with the longer pieces on the outside.
- 2** Nail together checking for square.
- 3** Place a piece of 63 ¾" x 12" plywood onto the top of the frame and nail to secure.
- 4** Complete steps 1-3 for the bottom.
- 5** Complete the above steps for the middle shelf but do not put a long 1 x 2 at the front of the shelf.



- A.** If you need to cut shelf supports, cut a piece of plywood the depth of the shelf x the height you want the shelf to be.
- B.** Add an additional small piece of 1 x 2 to the inside corner for additional support.



- 6 Align the three frame pieces on their sides with the front facing your work table.
- 7 Align end pieces and nail.
- 8 Nail in any additional shelf supports.
- 9 Align and nail on the back piece.
- 10 If adding decorative trim to front edges, cut and add now.



## Adding the Casters:

- 1 With the cabinet on it's side, measure and mark for the casters.
- 2 Align caster holes to marks and screw into frame.



## Finishing the Cabinets:

- 1 Fill any nail holes that are visible. Sand as needed.
- 2 Apply a coat of Kilz to the raw wood. Let dry.
- 3 Apply a coat of paint. Let dry.

