

# Mudroom Lockers – with CHARACTER!

By **Reality Daydream**

Difficulty  
[Advanced](#)

As we restore our historic home, we strive to make every detail look original to the home. So the arches and fluting on these mudroom lockers mirror other features in our home! We love the character it adds, AND the function it will bring to our family!



# Tools

## Kreg Tools



[Kreg® Pocket-Hole Jig 720PRO](#)



[Adaptive Cutting System Saw + Guide Track Kit](#)



[Precision Router Table System](#)



[True-FLEX™ Featherboard - Single](#)

## Other Tools



[Table Saw](#)



[Orbital Sander](#)



[Impact Driver](#)



[Drill](#)



[Router](#)



[Miter Saw](#)

Planer

Biscuit Joiner

18ga Brad Nailer

# Materials

## Wood Products

- 1** Red Oak , 23 Bd Ft , 5/4
- 1** Poplar , 80 Bd Ft , 4/4
- 4** Birch , 48" X 96" , 1/2 Ply
- 3** Birch , 48" X 96" , 3/4 Ply
- 2** Poplar, Crown Moulding , 11/16" X 3 1/4" X 96" , 11/16"

## Hardware & Supplies

- 50** 1 1/4 Fine Thread Screw (SML-F125S5-100)
- 50** 1 1/4 Coarse Thread Screw (SML-C125S5-100)



# Cut List & Parts

- 3** (6/4 Red Oak, Bench Seat) Seat Long [Glue Up Panel] Note: Glue Up Is Oversized , 7/8" X 5 3/16" X 53"
- 3** (6/4 Red Oak, Bench Seat) Seat Long [Glue Up Panel] Note: Glue Up Is Oversized , 7/8" X 5 3/16" X 50"
- 3** (4/4 Poplar, Bench Face Frame) Stile , 3/4" X 1 1/2" X 20"
- 3** (4/4 Poplar, Bench Face Frame) Center Stile , 3/4" X 3" X 20"
- 1** (4/4 Poplar, Bench Face Frame) Adjoining Stile , 3/4" X 2 3/4" X 20"
- 10** (4/4 Poplar, Bench Face Frame) Rail , 3/4" X 1 1/2" X 14 3/4"
- 5** (4/4 Poplar, Bench Face Frame) Lower Stile , 3/4" X 2" X 14 3/4"
- 15** (4/4 Poplar, Top Face Frame) Rail Arch [Glue Up Panel] Note: Glue Up Is Oversized , 3/4" X 1 7/8" X 15 1/4"
- 10** (4/4 Poplar, Top Face Frame) Rail , 3/4" X 1 1/2" X 14 3/4"
- 3** (4/4 Poplar, Top Face Frame) Center Stile , 3/4" X 3" X 76"
- 1** (4/4 Poplar, Top Face Frame) Adjoining Stile Wide , 3/4" X 5 1/2" X 76"
- 1** (4/4 Poplar, Top Face Frame) Adjoining Stile Short , 3/4" X 4 1/4" X 76"
- 2** (4/4 Poplar, Top Face Frame) Stile , 3/4" X 1 1/2" X 76"
- 5** (4/4 Poplar, Top Trim) Cap Stone , 7/8" X 3" X 3 5/16"
- 2** (4/4 Poplar, Top Trim) Arch Full , 5/8" X 5 1/8" X 13 7/8"
- 8** (4/4 Poplar, Top Trim) Arch , 5/8" X 5 1/8" X 12 7/8"
- 5** (4/4 Poplar, Top Trim) Column , 5/8" X 3" X 62"
- 2** (4/4 Poplar, Top Trim) Colum Thin , 5/8" X 1 1/2" X 62"
- 1** (4/4 Poplar, Top Trim) Crown Moulding, Pillars , 5/8" X 1 7/8" X 96"
- 10** (4/4 Poplar, Top Trim) Shelf Bull Nose , 1/4" X 1 1/8" X 14 3/4"
- 2** Crown Moulding , 11/16" X 3 1/4" X 96"
- 8** (3/4 Ply, Bench Carcass) Shelves , 3/4" X 12 13/32" X 17 5/32"
- 2** (3/4 Ply, Bench Carcass) Shelves Middle , 3/4" X 12 13/32" X 17 33/64"
- 4** (3/4 Ply, Bench Carcass) Sides , 3/4" X 13 3/4" X 20"
- 3** (3/4 Ply, Bench Carcass) Vertical Divider , 3/4" X 13 3/4" X 20"
- 4** (1/2 Ply, Bench Carcass) Back , 1/2" X 17 5/32" X 20"
- 1** (1/2 Ply, Bench Carcass) Back Middle , 1/2" X 17 33/64" X 20"
- 4** (3/4 Ply, Top Carcass) Side , 3/4" X 10 1/2" X 76"
- 3** (3/4 Ply, Top Carcass) Vertical Divider , 3/4" X 10 1/2" X 76"
- 12** (3/4 Ply, Top Carcass) Shelves , 3/4" X 9 21/32" X 17 5/32"
- 3** (3/4 Ply, Top Carcass) Middle Shelves , 3/4" X 9 21/32" X 17 33/64"
- 4** (1/2 Ply, Top Carcass) Back , 1/2" X 17 5/32" X 76"
- 1** (1/2 Ply, Top Carcass) Middle Back , 1/2" X 17 33/64" X 76"

# Directions

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1

**Break down sheet goods**

Using a Track saw, cut down all the sheet goods.

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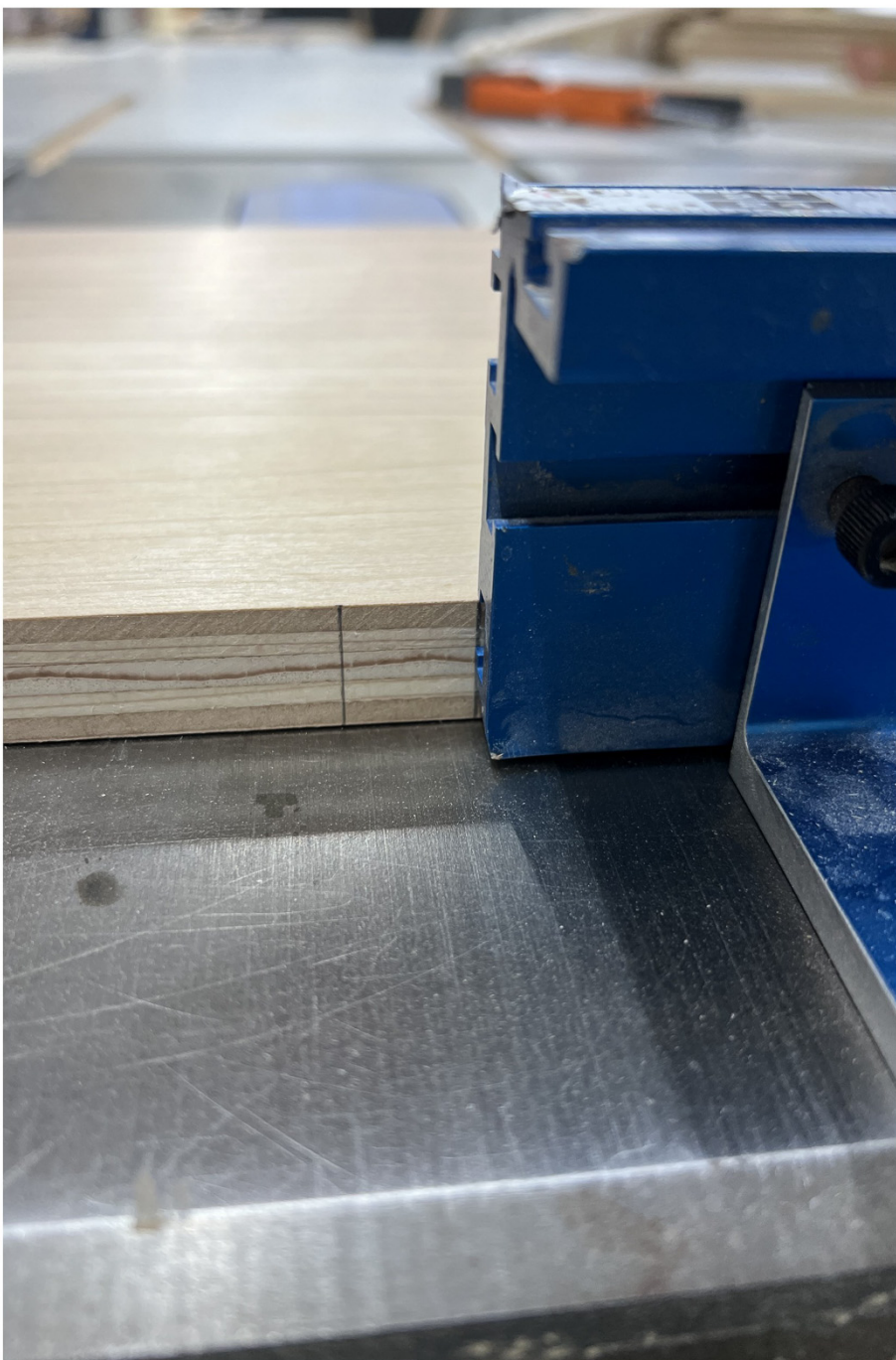
## 2

### layout the dado's and grooves

Layout and cut the dado's and grooves. we use a dado stack on the upper carcasses and a router on the bench carcasses.

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### 3

#### Assembly carcasses

Glue and assembly the carcasses.





**4****Prep Rough stock**

Plane the rough lumber to desired thickness. This is really an ongoing process only planning the boards needed at the time.





5

## Glue up bench seats

We prepped the edges for the bench seat and then, biscuit, glued and clamped the bench seats.



6

## Layout and cut face frames

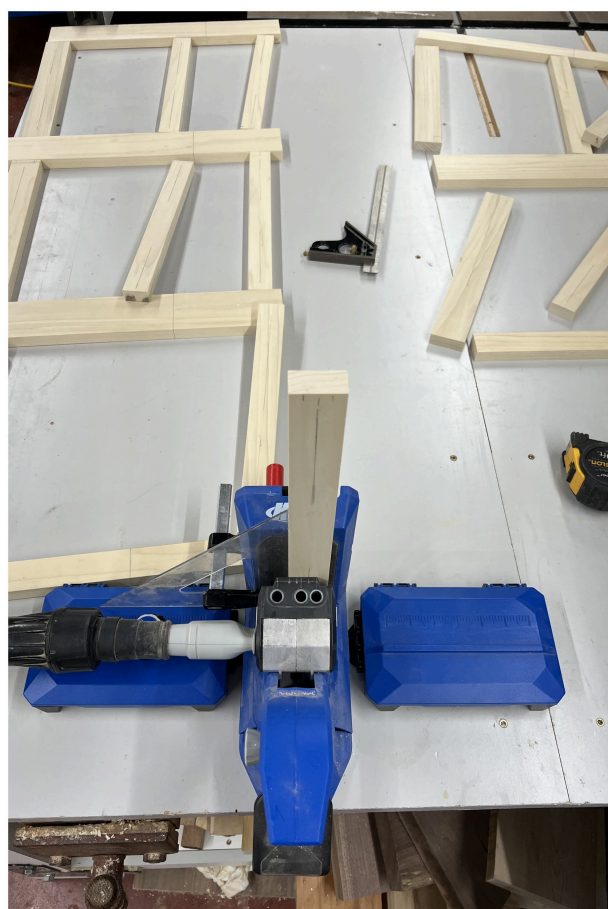
After planing the boards down to desired thickness, We laid out all the individual components on the board, cut them the width and length and then placed them where they per their assembly.





**7****Pocket holes**

Drill pocket holes in the rails of the face frames.





8

## Assemble face frames

Glue, clamp and screw together face frame.





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### Glue the Face frame to the carcass

Glue the face of the carcass position and clamp the face frame to the carcass.





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### Glue up boards for the arches

Glue up boards for the arches, cut to final dimension on a track saw or tablesaw. Then cut on a band saw and sand or use a template with a router/pattern bit to have consistent arches.

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## Pocket hole the arches and rails

Pocket hole arches and rails for upper lockers.





12

## Assemble face frame

Join the face frames together.

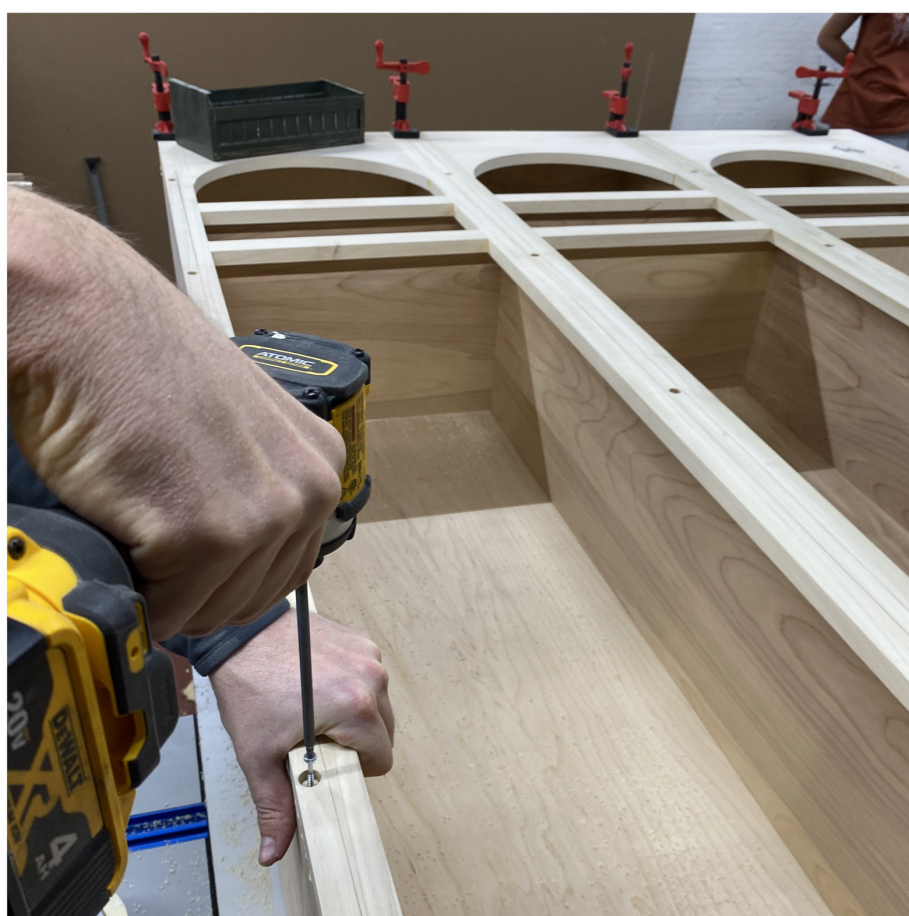




13

### Glue face frames to upper lockers

Glue face frames to upper lockers, it seemed impossible to clamp the long stiles, so we drilled counterbores and screwed them to the carcass.





# 14

## Installing the lowers

This is very similar to installing cabinets. Making sure the are level vertically and horizontally, shim and screw using cabinet screws.





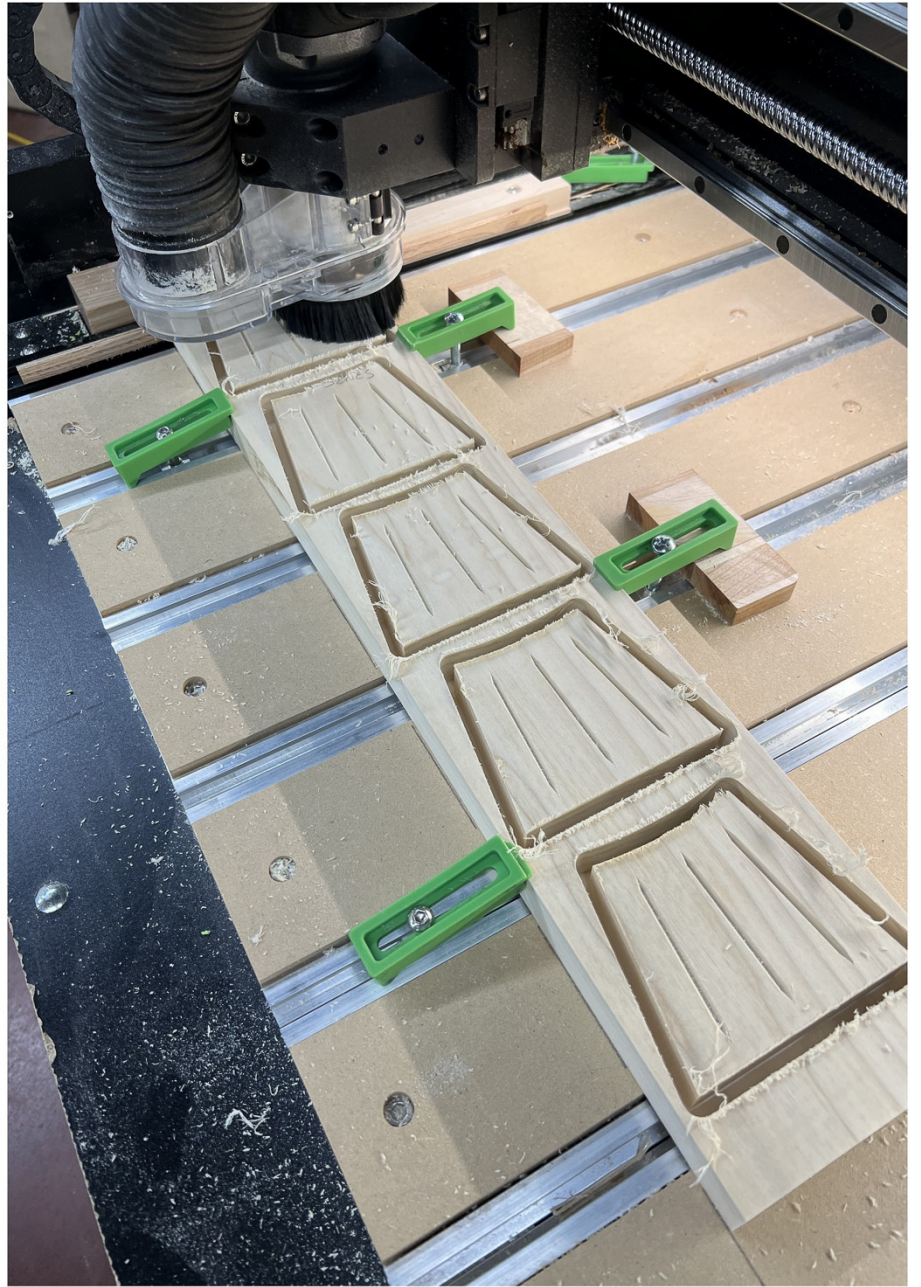
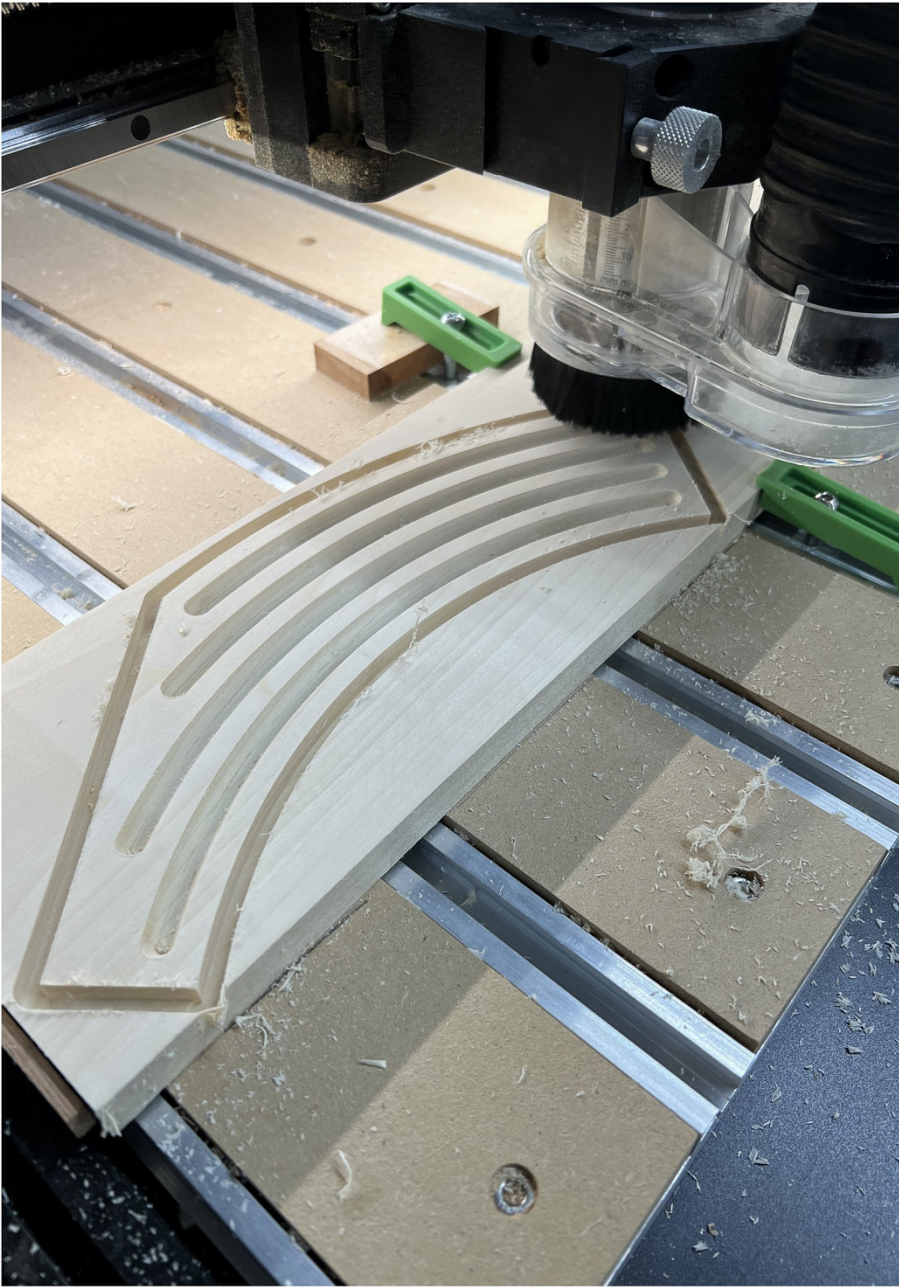
15

### **Install the uppers and trim out.**

We provided 1:1 prints if printed on a Size C Sheet, you can use these as a template to cut out the upper arches, or you can draw them out and then use that as a template.

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16

## Creating fluting with a palm router

Using a palm router and an edge guide we routed the fluting into the tall columns.





**17****Trim out**

We glues and nailed the trim to the face frames.





**18****Add crown moulding**

We created the column crown moulding with the router and then glued and nailed them to the columns.





**19****Route the bullnose**

Using a Bullnose router bit we routed the face of a 7/8" board, then cut the pieces on the table saw.





20

## Shelf face details

Glue and nail the shelf face details.





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**All done!**

You're ready for prime and paint!

