

# Elshire Kitchen Console Instructions

March 2020

66x40x16 finished dimension

## Determining Frame dimensions:

- 1) Subtract 5" from height for:
  - a) Feet = 4.5"
  - b) Top = .5"
- 2) Subtract 4" from width for:
  - a) Top Overhang = 2" per side
- 3) Subtract 2" from depth for:
  - a) Front Trim = .75"
  - b) Crown Trim = 1"
  - c) Top Overhang = .25"

## Frames (bottom and top) = 61x35x13

Cut 4 - 2x2 pine – 61"

Cut 4 – 2x2 pine – 10"



Screw 10" pieces between the two 61" pieces.

Check for square by measuring corner to corner both angles. Very important that the base is square as it affects the whole project.

Tip: When buying wood pieces look for the straightest available. Hold the piece at an angle and look down the length for any obvious curves. Turn on end and look again. Straight pieces make a world of difference once construction begins. Many a time I have looked at 10 pieces to get one or two good ones.

## Rails for frames – 1x4 pine

Cut 8 – 1x4 pine – 10"

Drill five evenly (with one in the center) between the two long pieces of the bottom frame.

Drill three evenly (with one in the center) between the two long pieces of the top frame.

## Feet Supports

Screw small 1x2 pieces of wood in each of the 4 corners of bottom frame (for feet plate to attach)

## Support Boards - Subtract 3" for top and bottom rail – 1x4 nicer pine

Cut 6 - 1x4 pine – 32" - stain front and back (Minwax Fruitwood)

Drill shelf clip holes in four legs on outside edge. Be sure to hold template at top so holes line up. I used a shelf pin drilling jig purchase on Amazon:

[https://www.amazon.com/gp/product/B014A1Z8J2/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B014A1Z8J2/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1)

Drill shelf clip holes in two legs on outside edge of both sides (back-to-back). These legs are in the center. Be sure and line holes up with outside legs.  
Drill legs onto bottom frame from below.

### **Attach top frame**

Screw top frame to legs by drilling through top into support boards – check corner to corner for square

### **Aspen Panels for Side and Doors**

Purchase 6 – 3'x16' panels from Menards (check that they are straight and have no flaws)

Stain one side (inside)

Cut two side panels to fit frame exactly and glue and drill into place.

### **Back**

Stain ¼" nicer plywood on both sides – 61"x35"

Attach to back with glue and screws

### **Trim – 1x4 nicer pine** (remember it is actually ¾" and 3.5")

Cut 2 – 35" long for sides

Cut 2 – 55.5" long top and bottom (subtracted 7" for top & bottom trim)

Cut 1 – 30" for middle (subtracted 5" for top and bottom trim)

Stain one side of all pieces (inside)

Attach side trim to front (cover side panel ends) with glue and brad nails

Attach top and bottom trim with glue and brad nails

Attach middle trim to center leg with glue and brad nails

### **Doors**

Cut Aspen panel doors to fit - ~12.625" x 27" – allow for small gap so door can open and close

Stain one side (inside)

Cut a 2x1 stained piece ~ 24" long with cut ~30 degree angled top and stain. Screw 1" side to inside of door ~2" from middle to add support

Cut a 1x 3 stained piece ~8" long and stain. Screw perpendicular to support board ~ 1/3 way down from top to support handle.

Attach 3 no mortise hinges (<https://www.hardwaresource.com/shop?Search=286004>) to each door side using screws (<https://www.hardwaresource.com/shop?Search=286253>) and then attach hinges to trim

Cut door gap trim the length of door and angle ~30 degree at top. Attach trim piece to right door with glue and brad nail from behind

Screw small pieces of stained wood inside middle top and bottom for roller female catch to be attached

Attach roller male side catches to top and bottom of each door

## **Top**

Aspen Panel 6'x16" from Menards

Stain under side

Attached top with glue and screw from beneath

## **Crown Molding**

Miter cut molding to fit under top panel on top and sides – attach with brad nails

Turn molding upside down and do the same at the bottom – attach with brad nails

Add small angled wood pieces with brad nails between bottom molding and frame for support

Difficult to cut miter for crown molding – best video was: <https://youtu.be/Ro-VK5mw28>

## **Handles**

Buy eye bolts (large enough to fit rings), washers, and nuts

Buy unfinished 3 ¾" iron rings purchased at: <https://customironworks.com/rings-steel-c-37/40901-p-442.html>

Open eye bolt, insert iron ring, close eye bolt

Spray paint bolt, ring, and washer black

Screw pilot hole in the center of the cabinet door ~10 from top.

Screw hook and ring into hole – attach with nut from behind

## **Feet**

Attach four feet plates to each corner of the bottom frame

Screw feet into plate

## **Shelves**

Stain ½" nice plywood both sides

Cut to fit inside sideboard – remember to make allowance for projected door support

Stain front ends

**Prime and paint entire exterior including hinges and feet**