These plans are meant to be a general guide/template as opposed to step-by-step instructions.

Table specs:

4' x 8'

34" high (from floor to benchtop). Different casters will cause the height to vary.

Material list:

Qty	Item
1	¾" 4x8' oak plywood sheet (or another hardwood)
1	½" 4x8' plywood sheet (I used sanded) – ***tip: get this ripped into two 2x8' sections when purchasing***
1	2'x2'x½" sanded plywood (I used birch) for table saw platform.
16	2x4x8' pine studs
1	2x3x8' pine stud
6	Swivel casters 4" with brake (I paid a premium for mine at Home Depot, well worth it)
1	5lb box of #10 deck screws (tan, torx/star head) – for framing
1	1lb box of #8 tan deck screws – for the benchtop
1	Box of 50 lag screws 5/16x2" (for casters. best price was the box for me)
4	5/15x3" carriage bolts, washers and nuts **(for miter saw, your needs may vary)**
4	¼x2" carriage bolts, washers and nuts **(for table saw, your needs may vary)**

Tools I used:

Cordless Drill
Cordless impact
Jig saw
Speed square
Framing square
Tape measure
Level
Large and small clamps (6" and 12" speed clamps, one 6' pipe clamp)
Right angle clamps (not needed but I had them so I used them)
1/8" drill bit
¼" drill bit
5/16 socket and wrench
¼ socket and wrench
3/8 socket adapter for impact
Small sander with coarse and medium grit sandpaper
Miter saw
Circular saw
Table saw
Hand saw (to finish the table and miter saw cutouts)
Router (to recess the carriage bolts on the miter saw)
Patience

Cuts:

*Note: If you decide your table needs to be taller than 34", you **might** need more 2x4s. The amount needed will depend on the height you decide.*

Qty	Measurement	Use
12	2x4 x 28 ¼"	Legs (8) and mid bench support (4) **see tip on #2 below**
12	2x4 x 45"	Cross members (upper and lower, side to side)
2	2x3 45"	Cross member (miter base "in use" railing)
2	2x4 x 21 5/8	Table saw back end vertical support
1	2x4 x 18"	Bottom shelf support
2	2x4 x 8"	Middle caster support (actual size can vary, I used scraps)
1	2x4 x 24"	Miter saw cross member (not in use resting support) the size on this may vary depending on the width of your miter saw cutout. Mine was 24".

I tried to keep this simple and as inclusive as possible however I likely missed something. I probably got a few things out of order as well.

Framing:

Important: I predrilled all framing with a 1/8" drill bit to avoid splitting wood.

1. Frame the base perimeter first using (2) 2x4x8' and (2) 2x4x45" studs.

2. Make the first three legs using 2x4 x8' studs. Butt two 8' boards together perpendicularly to make one leg. Mark where the 28 ¼" cuts will be and drive in screws about every 5-6 inches, avoiding the marks. Now cut the leg to 28 ¼" sections. You will get three from that one 8' section. Cut the remaining two 28 ¼" pieces for the last leg from an 8' section. (no pic here, this was a lesson learned for me)

3. Connect legs to the base frame, maintain square.

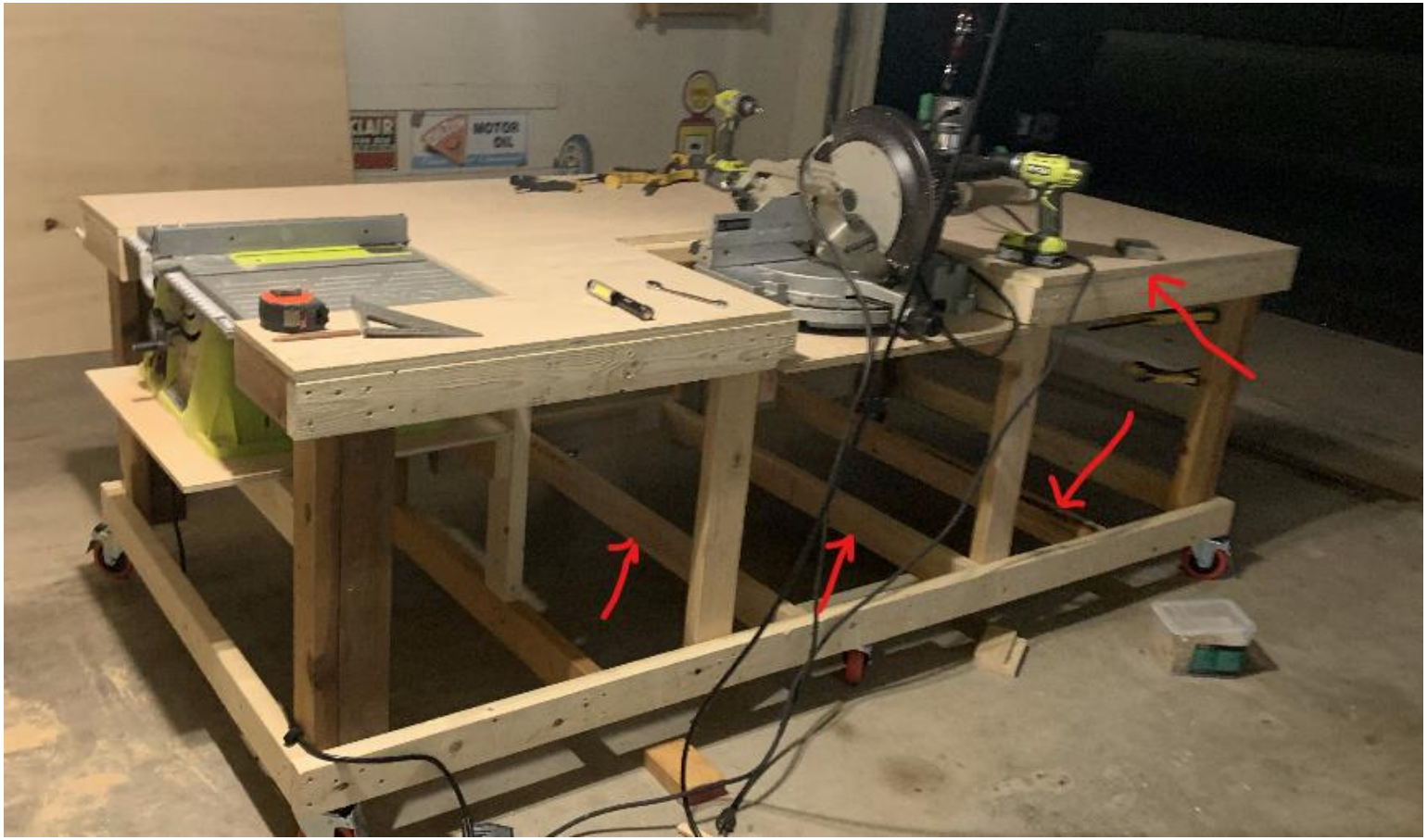
4. Make the top frame much like the bottom. Note that you will end up cutting out part of one side where the miter saw will live. For now, keeping the frame “complete” will help maintain square. (another lesson learned). Additionally, one of the 45” 2x4s (on the end where the table saw will live) is temporary.
5. Flip the base frame over and connect the top frame to the legs, maintain square. Flip back over.

6. At this point, you should figure out the depth of your table saw as well as the width of your miter saw. I added about half an inch on each side of the miter saw. I measured the depth of the table saw with the fence on it and with room to remove it.
    a. The middle vertical supports and cross members are determined by the width of your miter saw.

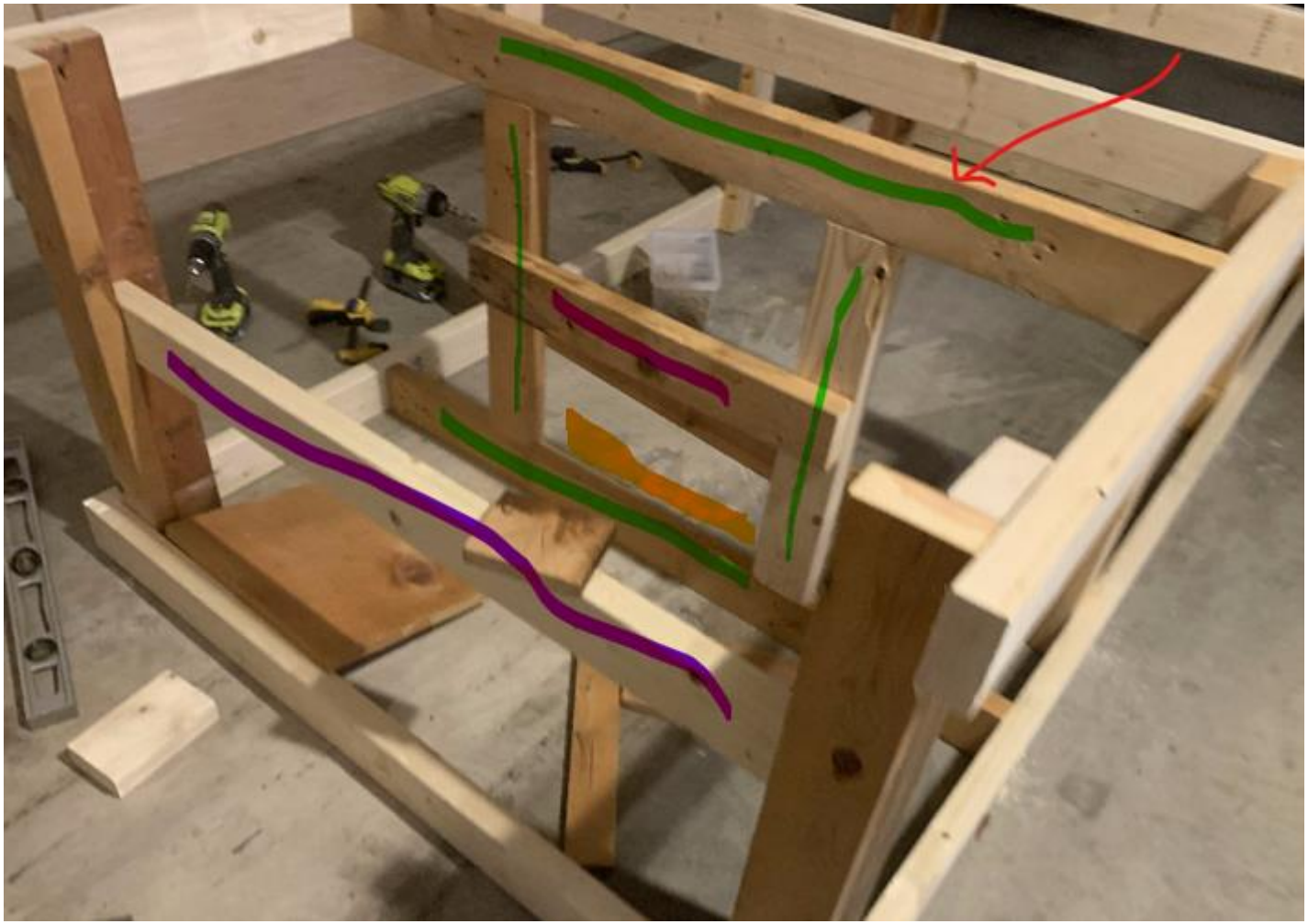
    b. The table saw back end (looks like an H) vertical support and cross member are determined by the depth of your table saw.

7. Once you have determined those measurements, mount the vertical supports and use the 2x3x 45” as the two cross members for the miter saw. I left a ½” lip on the inside of each side for the miter saw board to rest on.

8. At this point, you can add the remaining cross member on the top and three on the bottom, spaced out evenly. Maintain square.
Sorry, some pics are out of order. I thought about making these plans more than half way through the project.

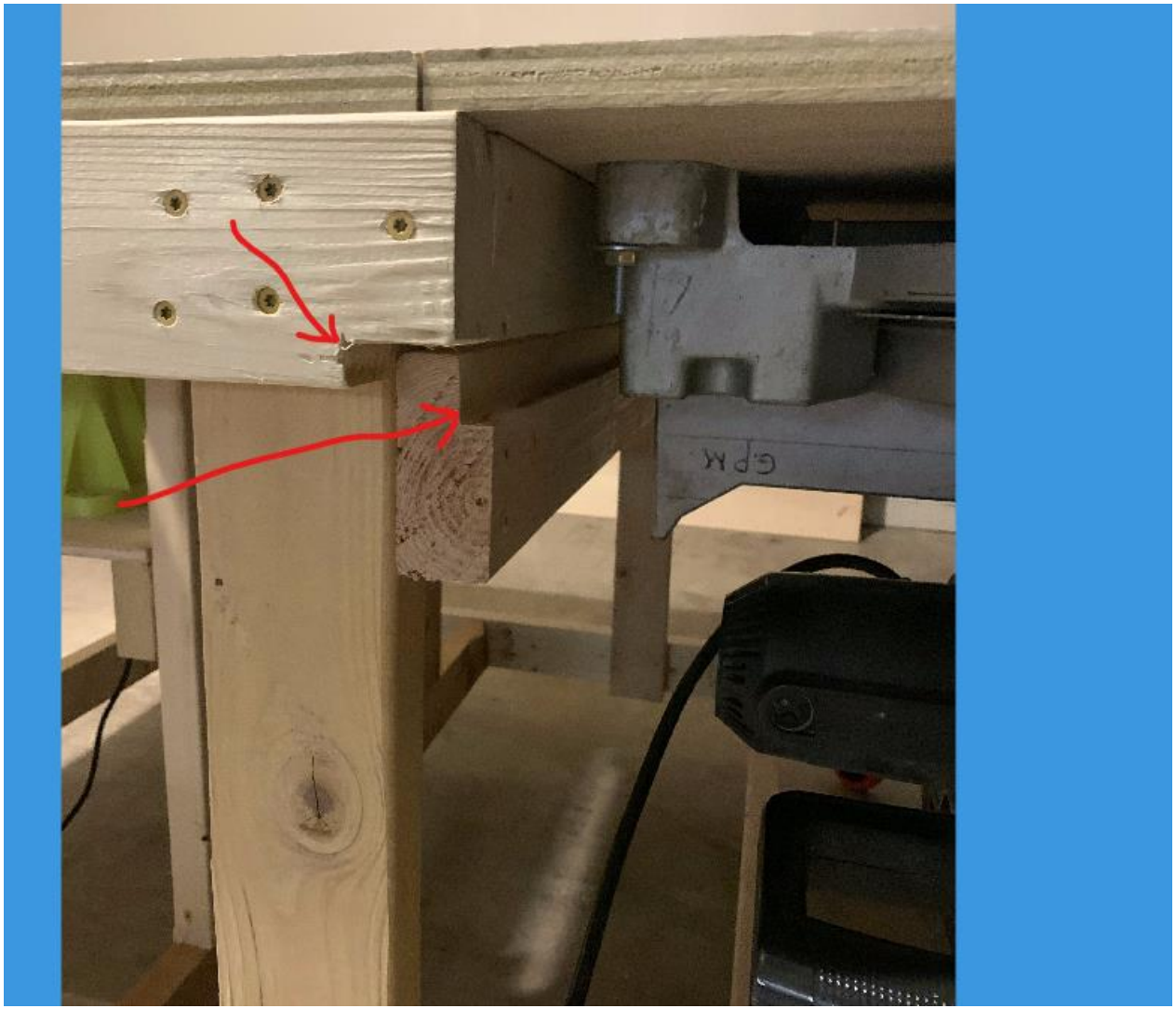


9. Mount the table saw back end support (marked in green below). Also (not in pic but marked in orange) mount an 18” 2x4 on the back of the bottom cross member (in the middle), it will be used to support the ½” bottom shelf
   Do not mount the cross members (marked in purple) just yet. The height will vary depending on your table saw height.



10. Remove the temporary 45” cross member from the side the table saw will live on
11. Cut out the 2x4 section between the miter cross members.

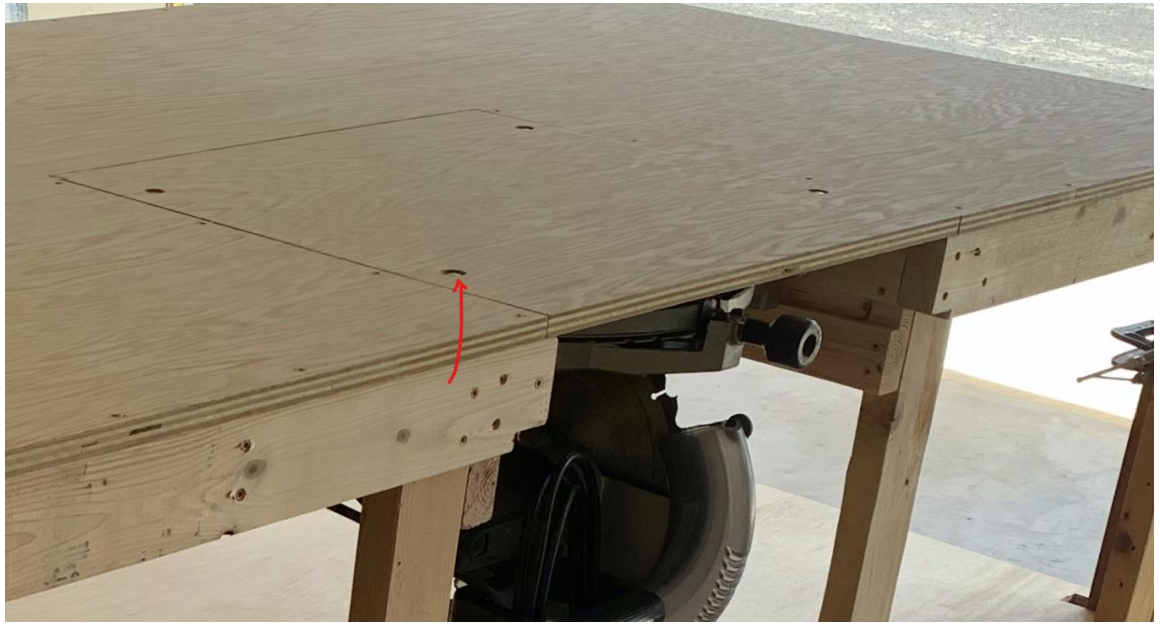
12. The rail for the miter saw will be two more 2x4 x 45” pieces. They will need to be notched out with the table saw to accommodate the wood cut out. I used a scrap piece to get the notch right. I also had to notch out the 2x4 face.
    The height will depend on the height of your table saw. I used clamps along with trial and error to get it right.



Mount the miter saw (back) cross member support. The width (and where it will mount depth-wise) vary depending on your miter saw width. Leave room for the back end of the miter saw to rest.

At this point, you there are a few things left.
Again, this is not a step-by-step plan. The intent is to help someone do more assembly rather than reinvent the wheel.

- Install middle support and casters (predrill with ¼" bit) – *do this next*
- Set the height for the table saw; mount the cross members and shelf.
- Cut out for the table saw.
- Cut out for the miter saw and mount miter saw to it.
    - Route out the holes for the carriage bolts if you prefer.



- Mount benchtop (predrill and use 2" deck screws)

- Cut out for the bottom shelf – *tip (more like a must): make the bottom shelf 4 pieces. The pics show the first two.*