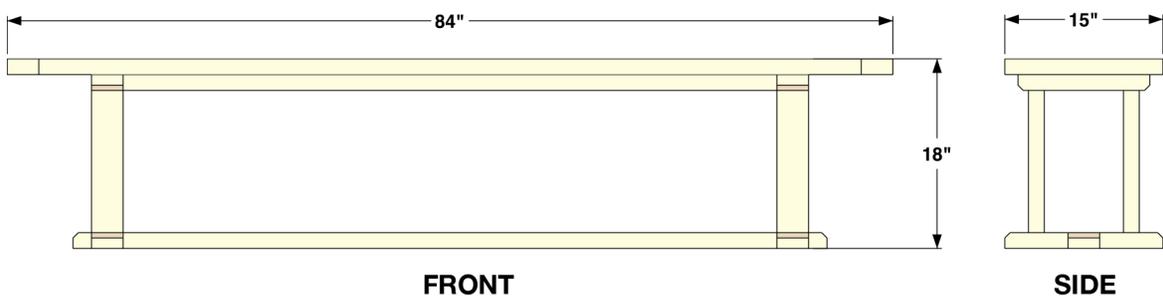




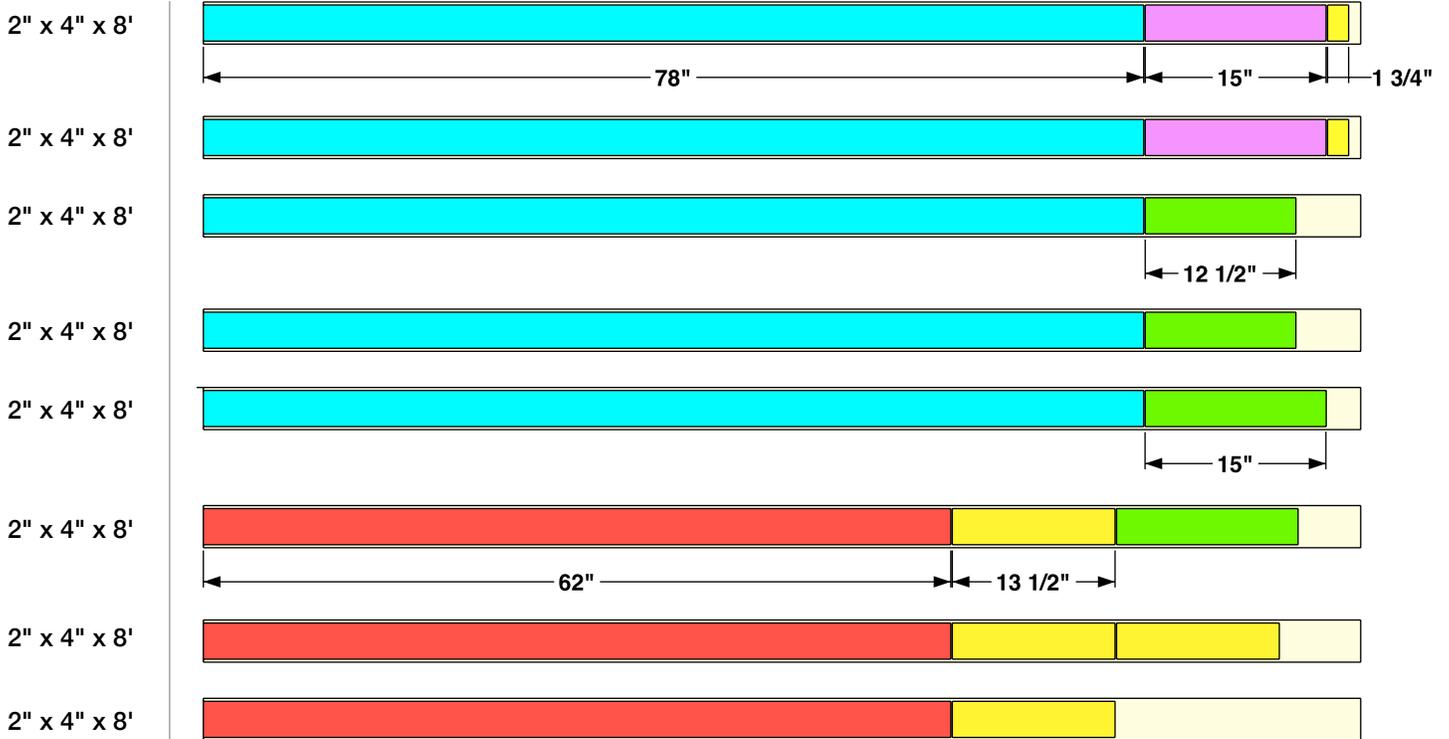
DIY FARMHOUSE DINING BENCH



Make sure you read through the instructions carefully and take notice of any special construction notes prior to making any cuts. And always practice safe DIY'ing. Have fun!

PLEASE NOTE - many pieces may require you to cut them to fit a certain size while you are building it. Its best not to cut pieces until you need them. Take your time and study all the diagrams.

CUT LIST



MATERIALS LIST

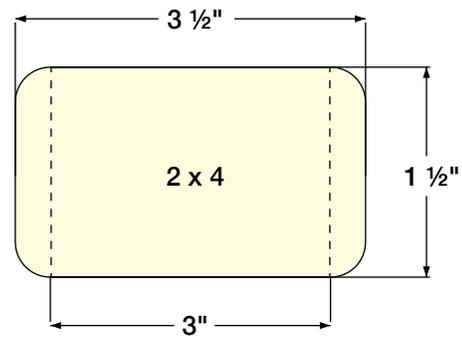
Material	Qty
2" X 4" X 8' wall stud	8

Material	Qty
2-1/2" pocket screws	
2-1/2" brad nails	
2-1/2" SPAX wood screws	
wood glue	

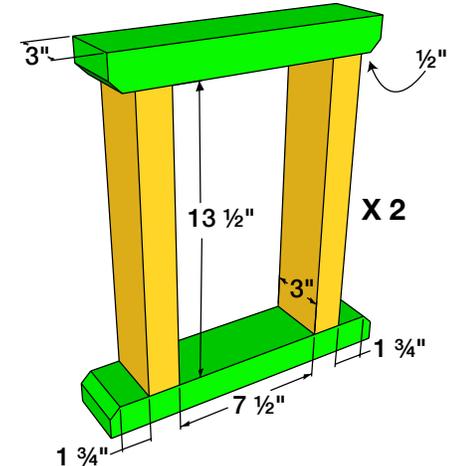
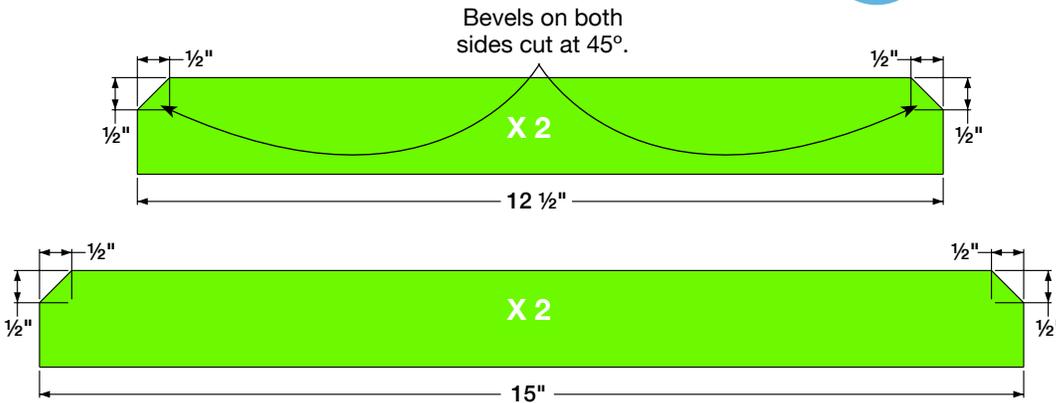
NOTES



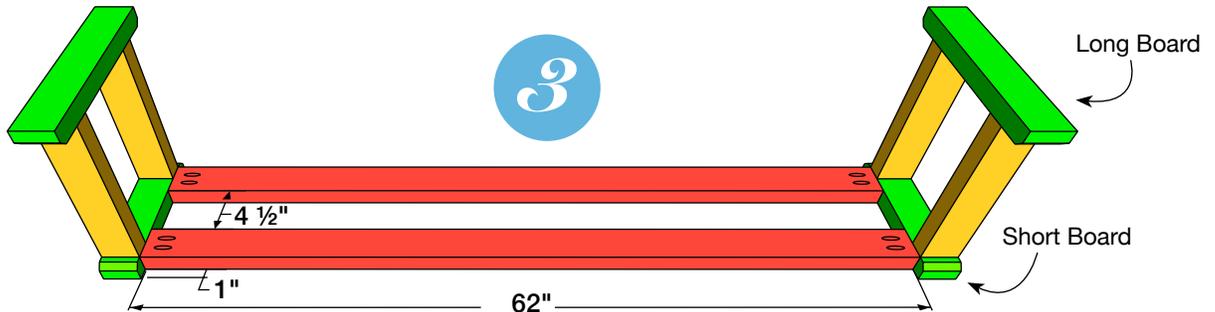
1



2



3



1.

For a slightly more sophisticated look we will be ripping the rounded edges off the 2x4 lumber. For consistency sake rip all boards at the same time so you know all the boards are exactly 3" wide.

First rip just enough off of one side of all the 2x4 boards to remove the rounded edges. Then, set your table saw fence at 3" and rip the other rounded side off. Repeat for the rest of your boards.

2.

Now we will form the two leg assemblies.

First cut the two different lengths of the green feet, the upper length at 12 1/2" and the lower at 15". Cut two of each. Then, using the above illustration, cut the 45° bevel as shown.

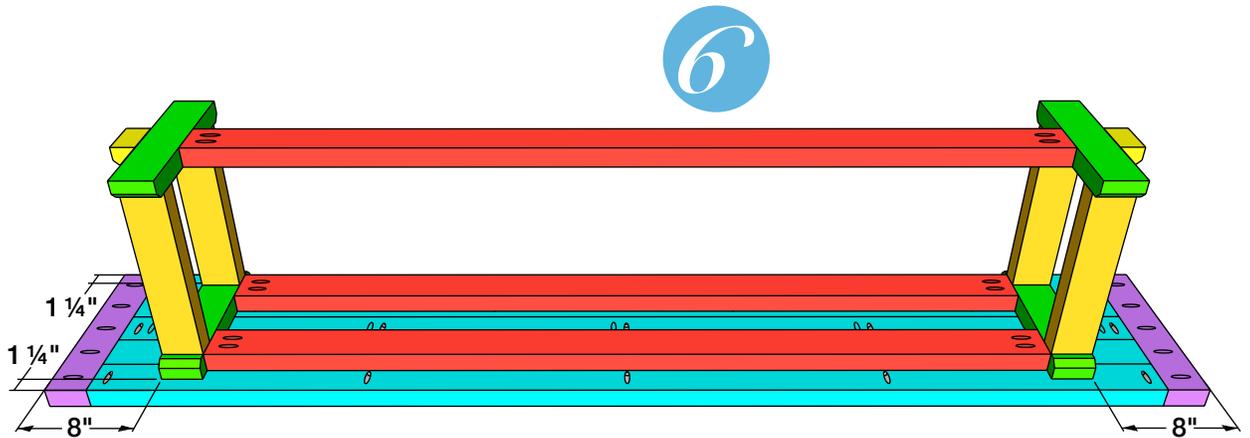
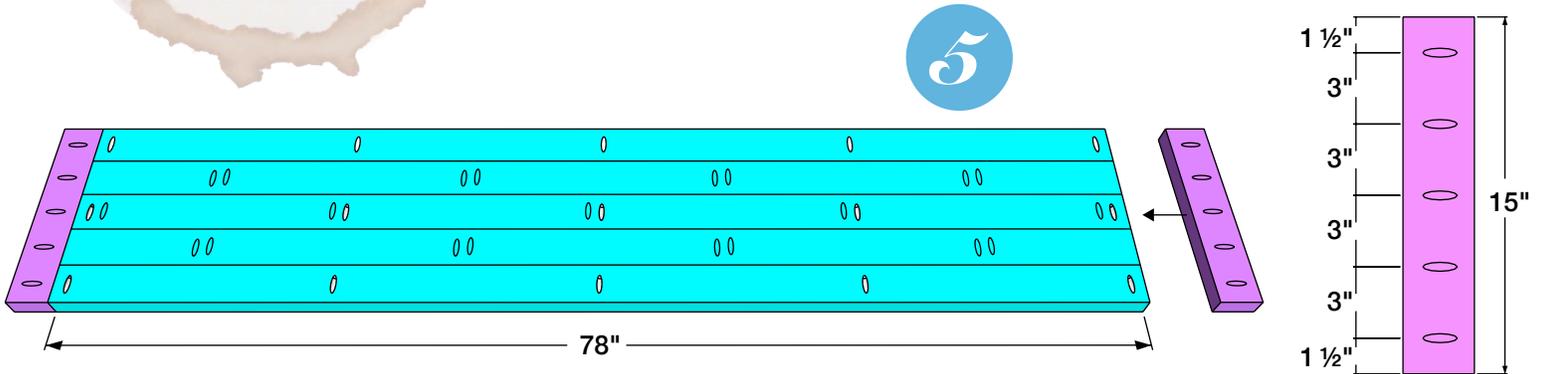
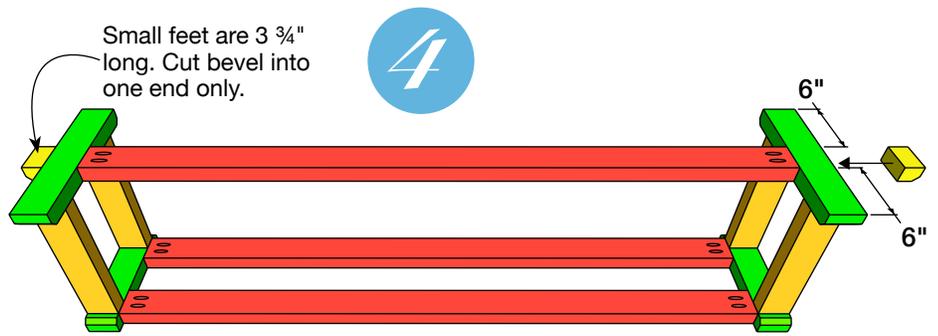
Now cut the orange vertical leg supports to length. Each leg

assembly will have a shorter green board on top and a longer on the bottom. Dab some glue on the ends of the orange vertical leg supports and clamp the boards together so that the vertical boards are offset as shown and side edges flush. The bevels of the upper and lower feet will face towards each other. Check for square. Attach with 2-1/2" SPAX screws. Repeat for second assembly.

3.

Cut three red stretcher boards to 62". Drill 1-1/2" pocket holes into both ends of each board. Save one board for Step 4.

First we will attach the two stretchers that will end up being the top to the shorter green feet. The stretchers will be 1" from the outer edges of the leg assemblies as shown, attach with wood glue and 2-1/2" pocket screws. Make sure the top and bottom edges are as flush as possible.



4.

Center the third stretcher as shown, making sure the top and bottom surfaces are as flush as possible as this will be the bottom of your bench and you don't want it to rock. Attach with wood glue and 2-1/2" pocket screws.

The safest way to cut the small yellow feet is to cut the bevel (same as Step 2 but only into one end) and then cut it to length. Repeat for second foot. Clamp in place, centered, as shown and attach with wood glue and 2-1/2" brad nails.

5.

Now we will plank the remaining boards to form the seat of your bench. Cut your long blue boards to length and drill 1-1/2" pocket holes as shown. For even pressure distribution from the pocket screws we like to stagger the pocket holes so that the screws 'pull' the boards together evenly. Attach with wood glue and 2-1/2" pocket screws. Make sure the boards are as flush as possible.

Measure the width of your planked boards, it should be about 15". Cut your purple breadboards (those that run perpendicular to the long boards and cap the ends of your bench seat) to that length. Drill 1-1/2" pocket holes and attach with wood glue and 2-1/2" pocket screws. Make sure boards are as flush as possible.

6.

Now all we have to do is attach the leg assembly to the bench seat.

Lay the top on a clean surface with the pocket holes facing up. Lay the leg assembly on top, centered as shown in the illustration above. Make sure the leg assembly is set in place with the double stretchers connecting to the seat and the single stretcher is facing up. Clamp in place so nothing shifts and attach with 2-1/2" SPAX screws. We don't use wood glue here because you want to allow for the wood to expand and contract so use plenty of screws but be careful that you don't drive them too far and they come out the other side of the bench seat. Also, make sure you don't drive them into a pocket screw or a seam between the long blue boards.