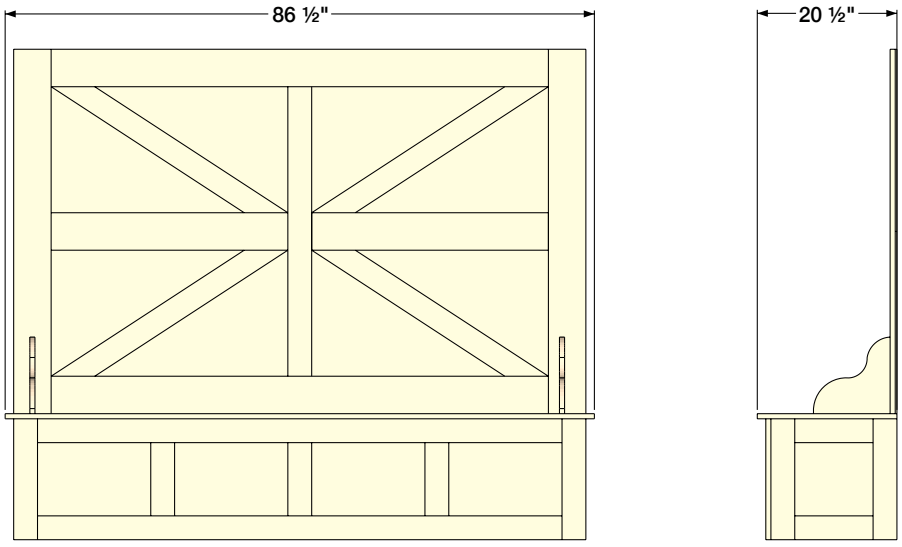
High-back Bench

This eye-catching addition to your dinning room will stop your guest in their tracks. Built for royalty, this bench can comfortably sit four people but will impress countless. Easy to build and small in price compared to similar pieces.

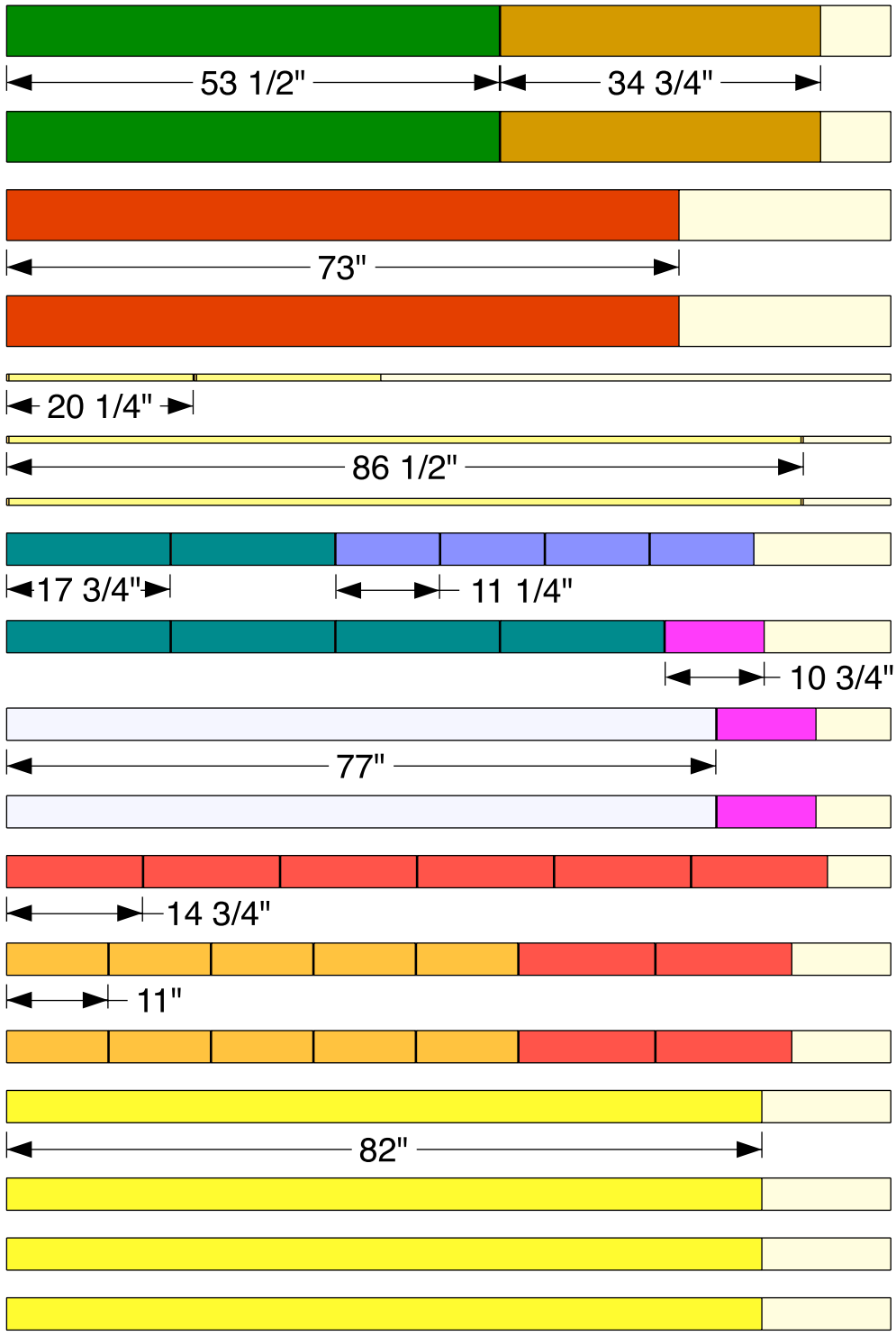


FRONT SIDE

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



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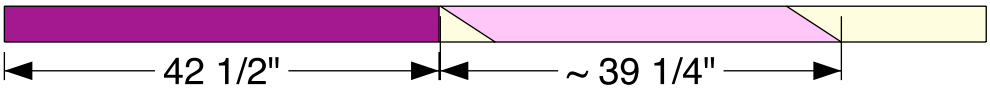
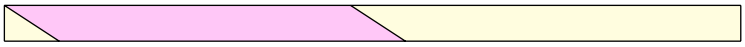
CUT LIST

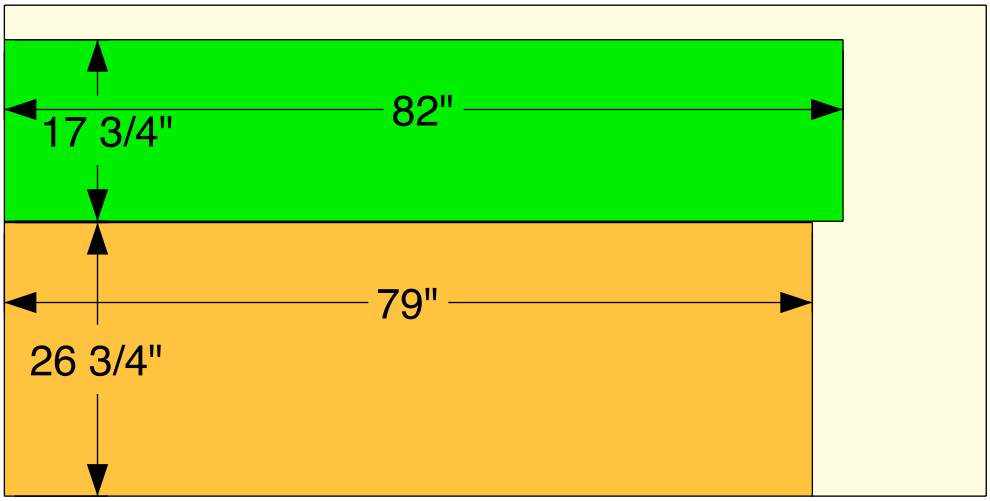
1" x 4" x 8'



1" x 4" x 6'



¼" x 4' x 8' plywood



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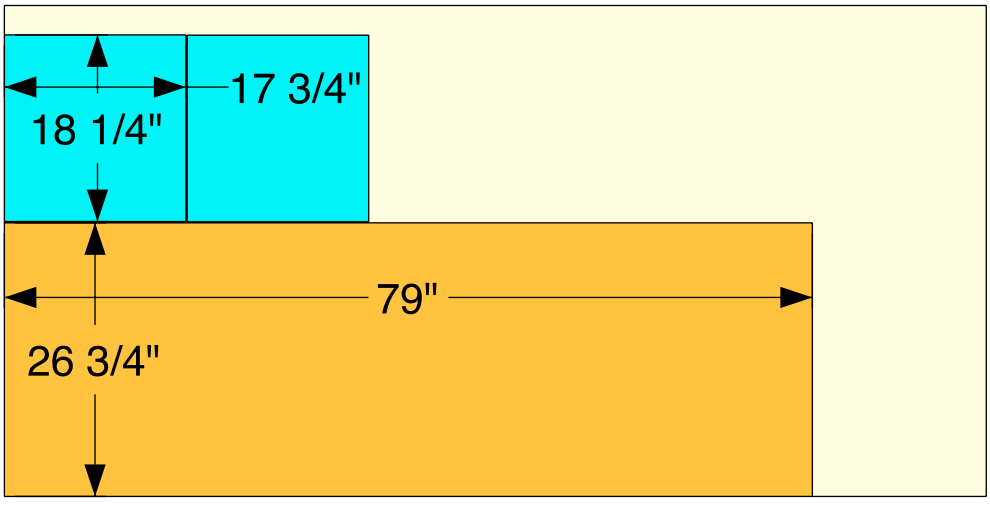
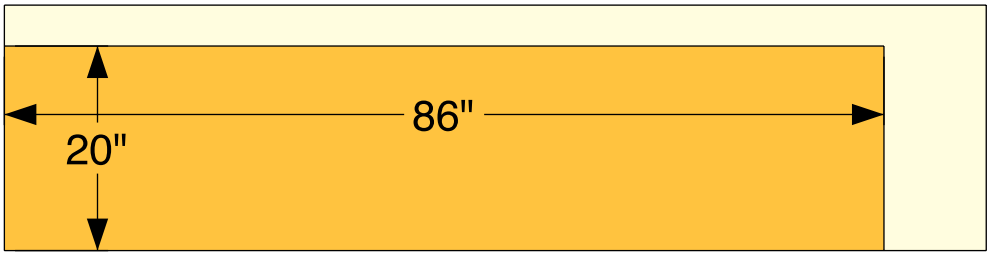


¾" x 2' x 8' plywood



MATERIALS LIST

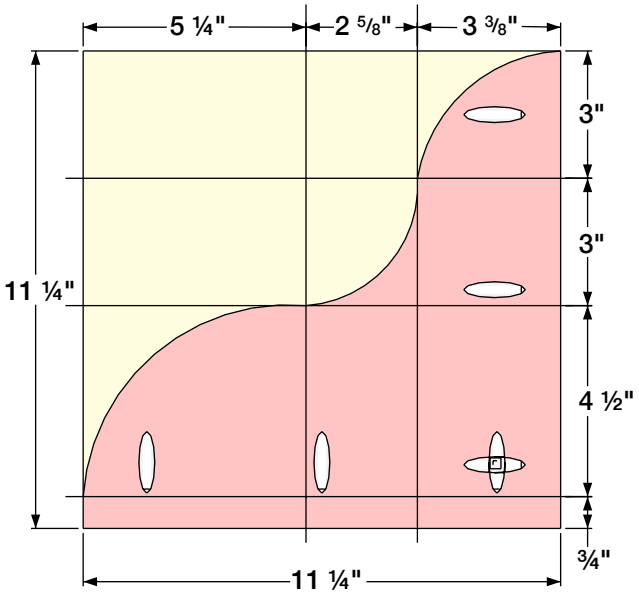
Material	Qty
¾" X 2' X 8' plywood	1
¼" X 4' X 8' plywood	2
1" x 4" x 6' pine board	1
1" x 4" x 8' pine board	5
1" x 6" x 8' pine board	4
¼" x ¾" x 8' screen molding	3
2" x 4" x 8' pine board	7

Material	Qty
2-½" pocket screws	
1-¼" pocket screws	
¾" staples	
¾" brad nails	
1-¼" brad nails	
10" Mending Plat	2
wood glue	

NOTES

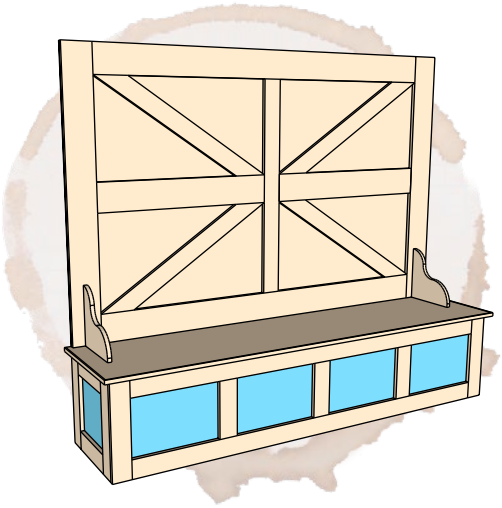
Everbilt 10" Zinc-Plated Mending Plate
Part #:202034036
http://www.homedepot.com/p/Everbilt-10-in-Zinc-Plated-Mending-Plate-15390/202034036?key-

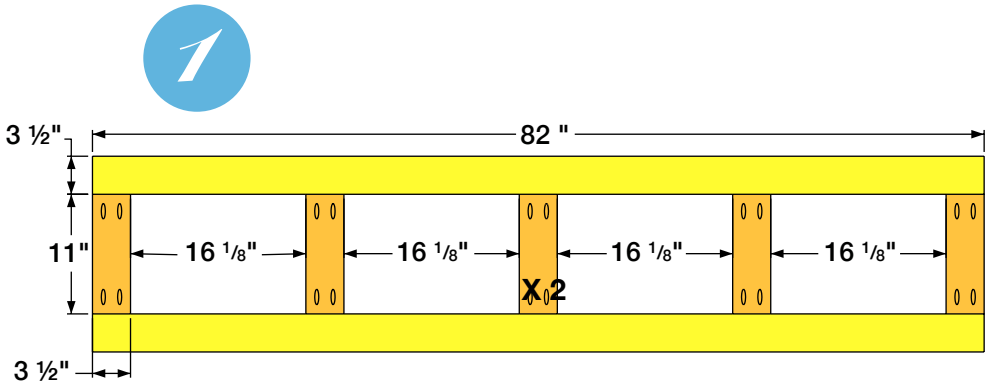
Corbel Plan

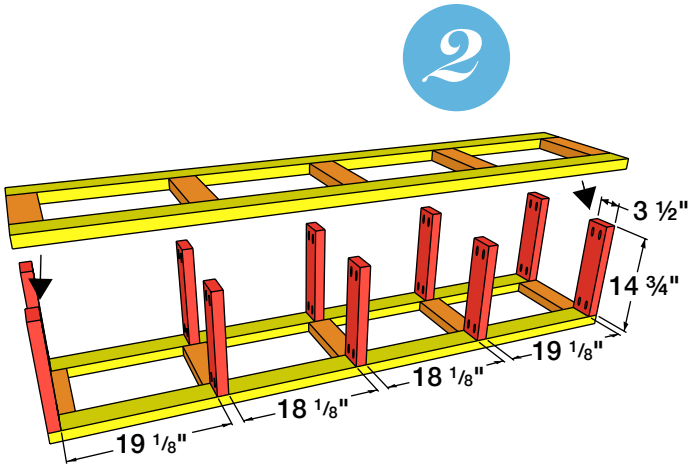


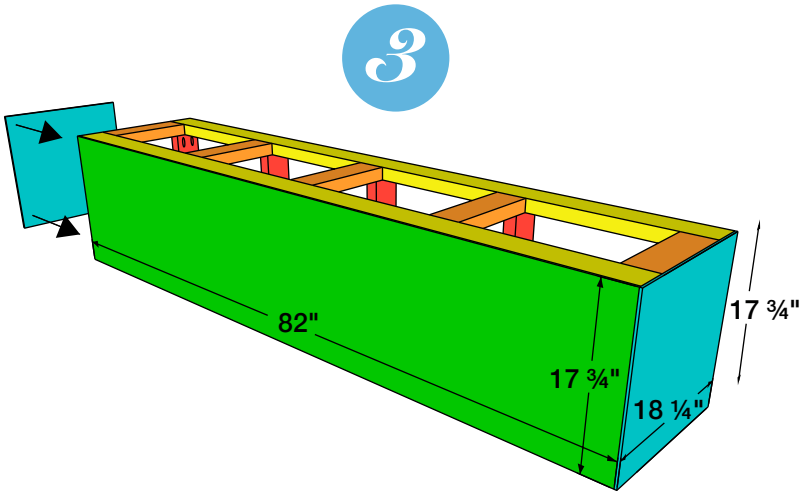
Here is a rough diagram to help you make your own corbels. Don't worry if your corbels aren't exactly the same. Just make sure to cut one and then use that as a diagram.

First mark your grid and then use those lines to help give you reference for the curves. Now just cut with a jigsaw, sand and drill your pilot holes.









1.

The sturdiness of this bench comes from the inner skeleton of 2x4s. Begin by cutting your long rail 2x4s at 82" and your cross brace 2x4s at 11" long. Drill ¾" pocket holes and attach with wood glue and 1-¼" pocket screws, matching the spacing shown in the illustration above and making sure your outside edges are flush. You will need two of these structures, repeat for second.

2.

Now attach the two structures. Cut your 14 ¾" vertical stiles. Drill ¾" pocket holes in the ends. First attach the stiles as shown in the illustration above with wood glue and 1-¼" pocket screws, making sure your outside edges are flush and your stiles centered by way of the 11" cross braces.

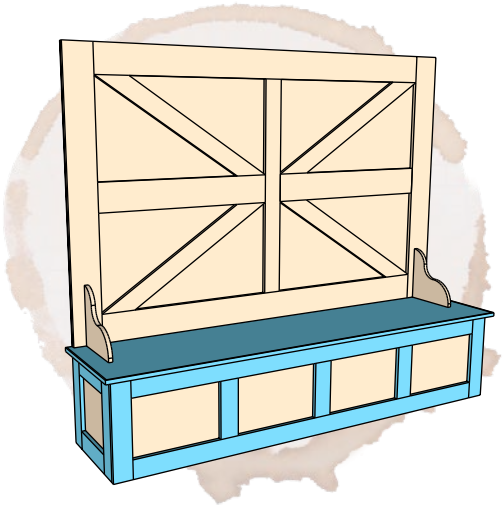
Mark on your second structure where the adjoining stiles will attach. Carefully lay the second structure on top of the assembly. Attach with wood glue and 1-¼" pocket screws

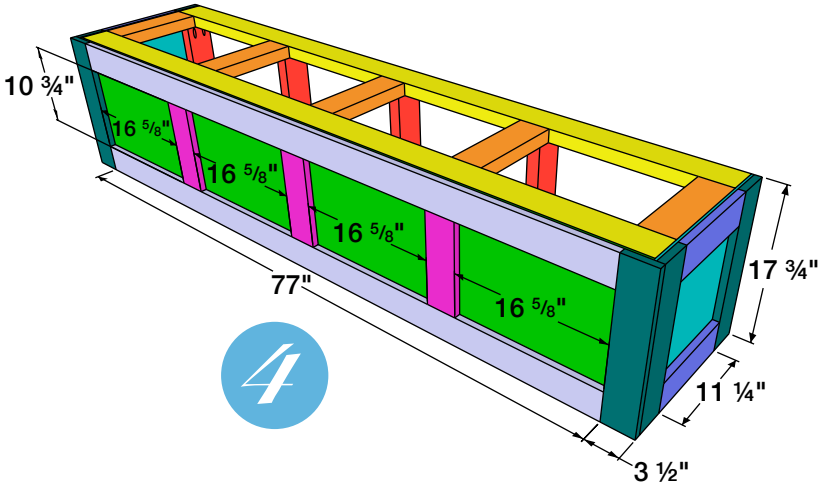
.

3.

Now time to 'skin' the bench assembly with the ¼" plywood. Cut your front panel to size, making sure it is flush with the outside edges and the top edge. Attach with wood glue and ¾" staples.

Now repeat the same process with the plywood sides. Don't worry about the plywood showing. You'll take care of that in the next steps.





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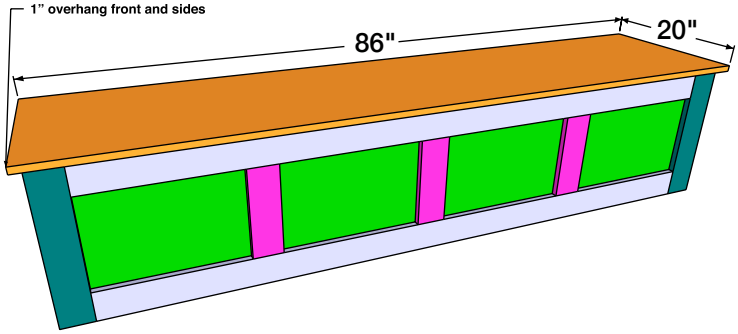

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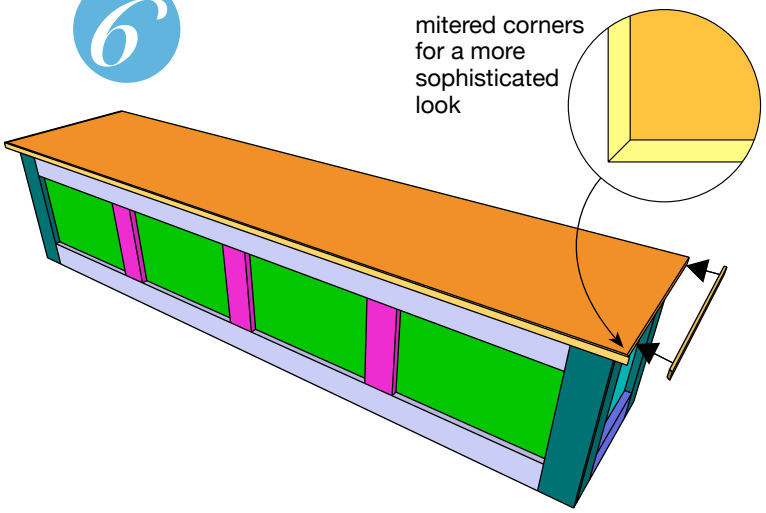


4.

To trim out the bench you will start on the sides. That way the front corner stiles will cover the edge of the side corner stiles.

Cut to fit the 17 ¾" front and side vertical corner stiles and attach with wood glue and 1-¼" brad nails. Repeat that process with the side back vertical stiles.

Now cut to fit the end horizontal stiles. Attach with wood glue and 1-¼" brad nails.

Attach the front horizontal trim pieces. Hold in place and cut to fit to about 77". Attach with wood glue and 1-¼" brad nails.

And finally, the front shorter vertical stiles in the middle. Cut to fit at roughly 10 ¾". Attach with wood glue and 1-¼" brad nails.

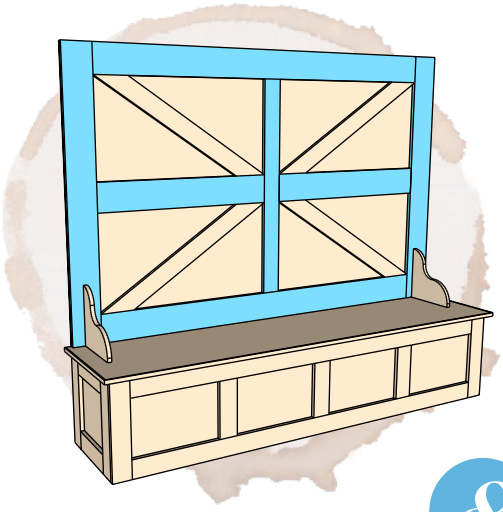
5.

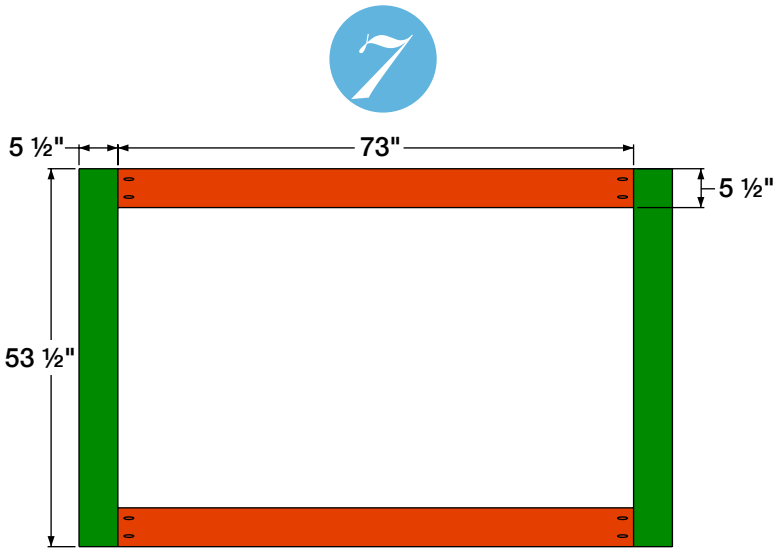
Cut to fit the bench top. You will want the top to be flush against the back and overhang the sides and front by 1". Secure in place with wood glue and 1-¼" brad nails.

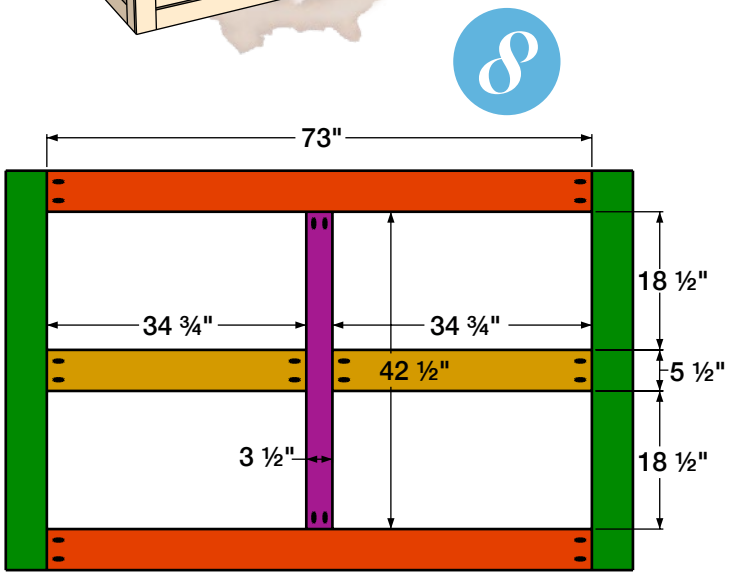
6.

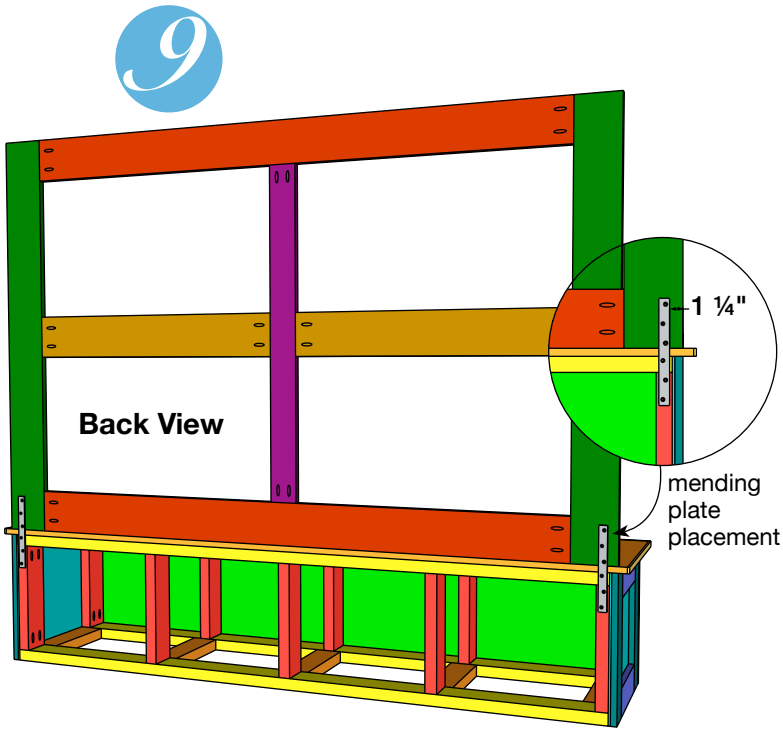
Now we will attach the screen molding to cover up the plywood edges.

Our favorite method to miter small molding in situations like this is to first cut a miter onto one end of the molding. Hold it in place along the front and mark for the opposite miter. Cut the miter and attach with wood glue and ¾" brad nails. Making sure the top and bottom edges are flush and the miters line up in the corners.









7.

For the high-back of the bench it begins simply with a frame. Cut your 1x6s to length according to the illlustration above; two 73" rails and two 53 ½" stiles. Drill ¾" pocket holes and attach with wood glue and 1-¼" pocket screws.

8.

NOTE - your middle vertical stile (purple) is a 1x4. Your middle horizontal rails (light brown) are 1x6s.

Cut your middle virtical 42 ½" stile to fit. Drill ¾" pocket holes and attach, centered as shown, with wood glue and 1-¼" pocket screws.

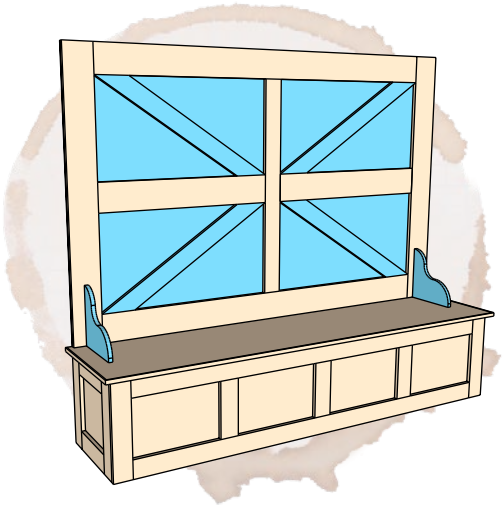
Cut your 2 middle horizontal 34 ¾" rails to fit. Drill ¾" pocket holes and attach, centered as shown, with wood glue and 1-¼" pocket screws.

9.

NOTE - you may need a friend to help hold the frame in place while you attach the mending plates.

To attach the high-back to the bench simply have a friend hold it in place and refer to the above illustration for correct placement. Hold the mending plate in place and trace circles where each hole is. Drill a pilot hole just deep enough for the wood thickness, being careful not to drill out the other side.

Lay your back portion on the ground and attach the mending plate to it first. Then simply set your high-back in place and attach that piece too.



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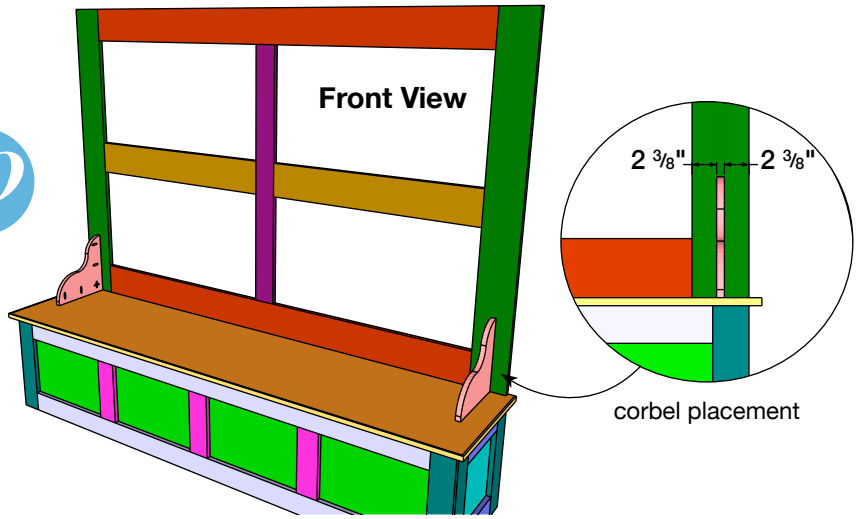

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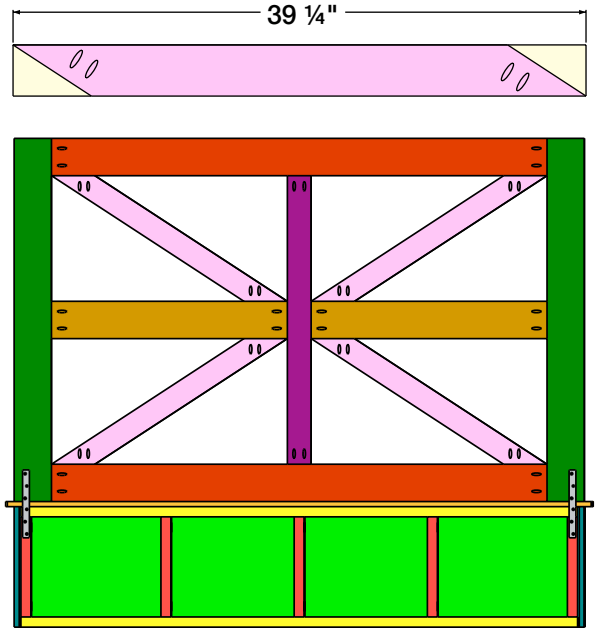
Back View



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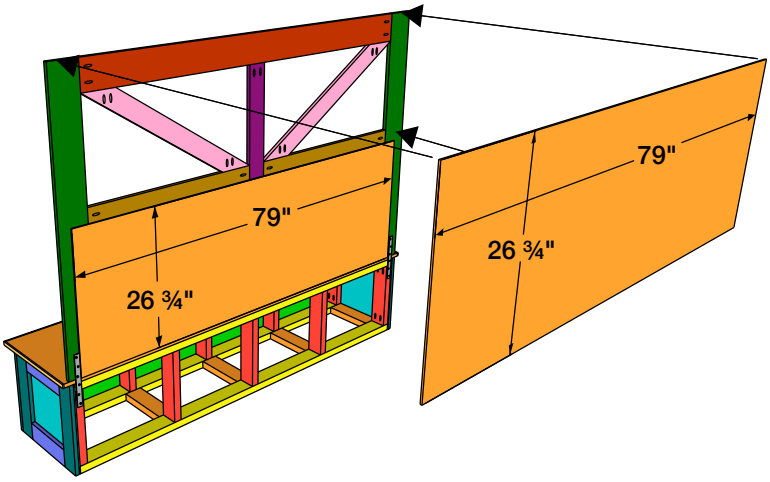
Back View



10.

Refer to the NOTES section on page 2 for instructions on how to cut out your own corbel out of a 1x12 scrap.

Drill ¾" pocket holes and attach with wood glue and 1-¼" pocket screws. Refer to the above illustration for placement advice, pretty much centered on the 1x6 vertical stile.

11.

To cut the diagonal 1x4 to fit lay it in place, mark for your angles and cut. Then drill for 3/4" pocket holes and attach with wood glue and 1-¼" pocket screws. Pay attention to the illustration above for proper lining up of angles.

12.

Now simply cut your plywood back to fit according to the measurements in the above illustration. NOTE - the plywood backs fit between the mending plate. The back will go on in two sections. Attach with wood glue and ¾" staples.