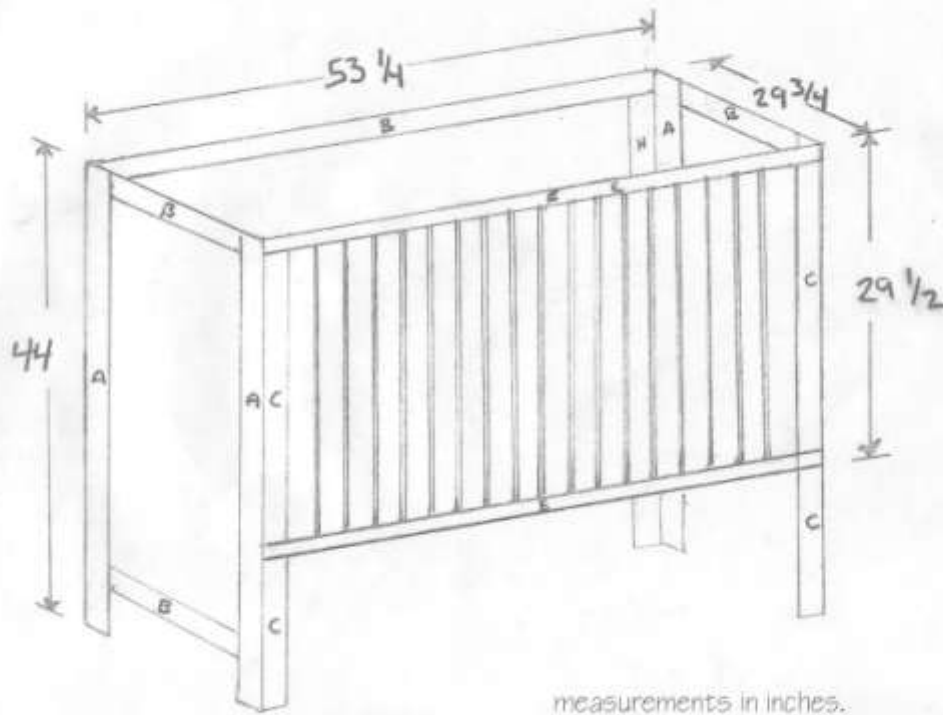


## Crib main view

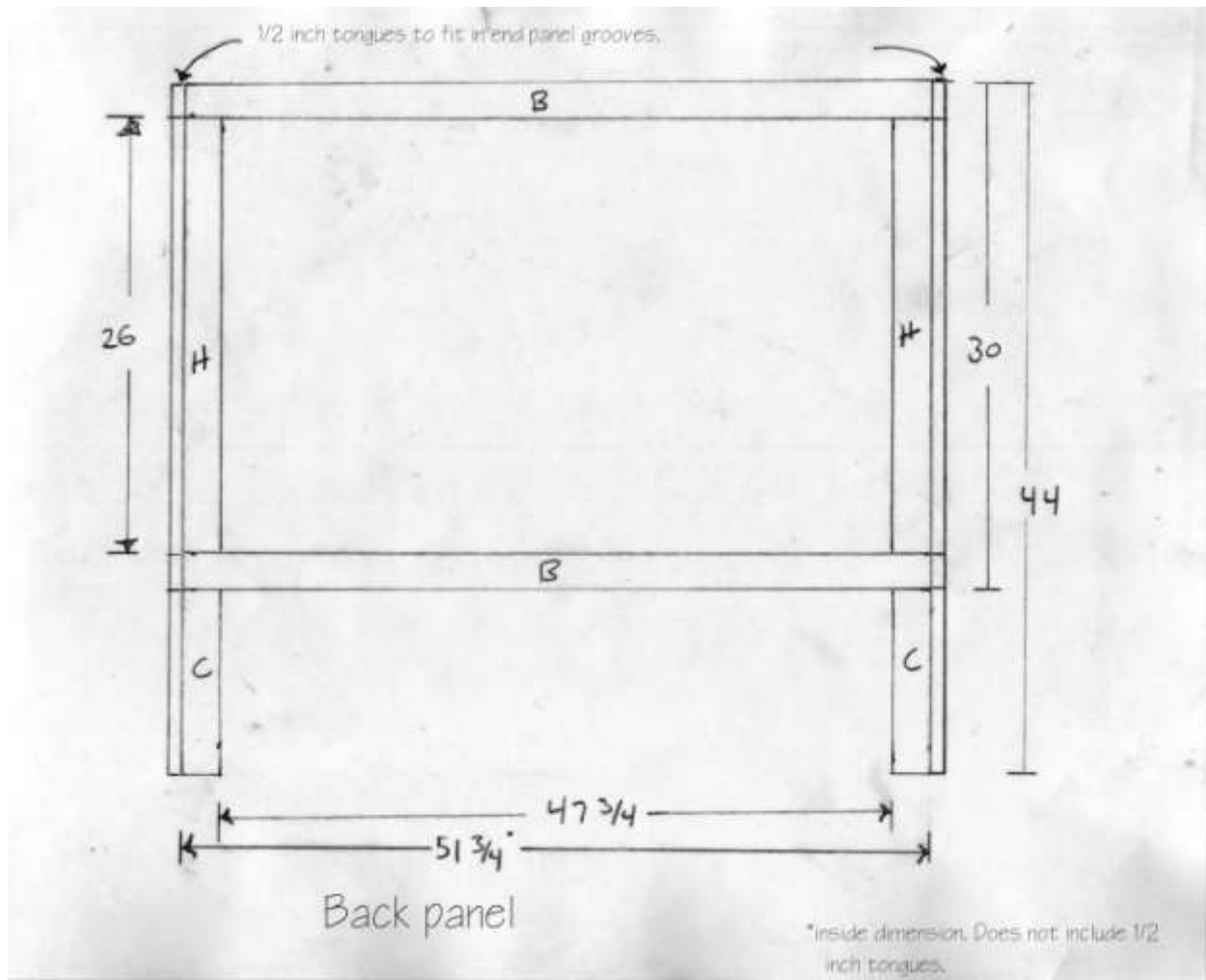
Note: dimensions should be checked against mattress size and adjusted accordingly



### Materials:

- 5 8 foot 1x6
- 1 8 foot 2x4 (or something you can cut down to 1"x1 1/2")
- 9 6 foot dowels.
- one sheet 1/4" mdf
- one sheet of 1/2" mdf
- polyurethane or wood glue

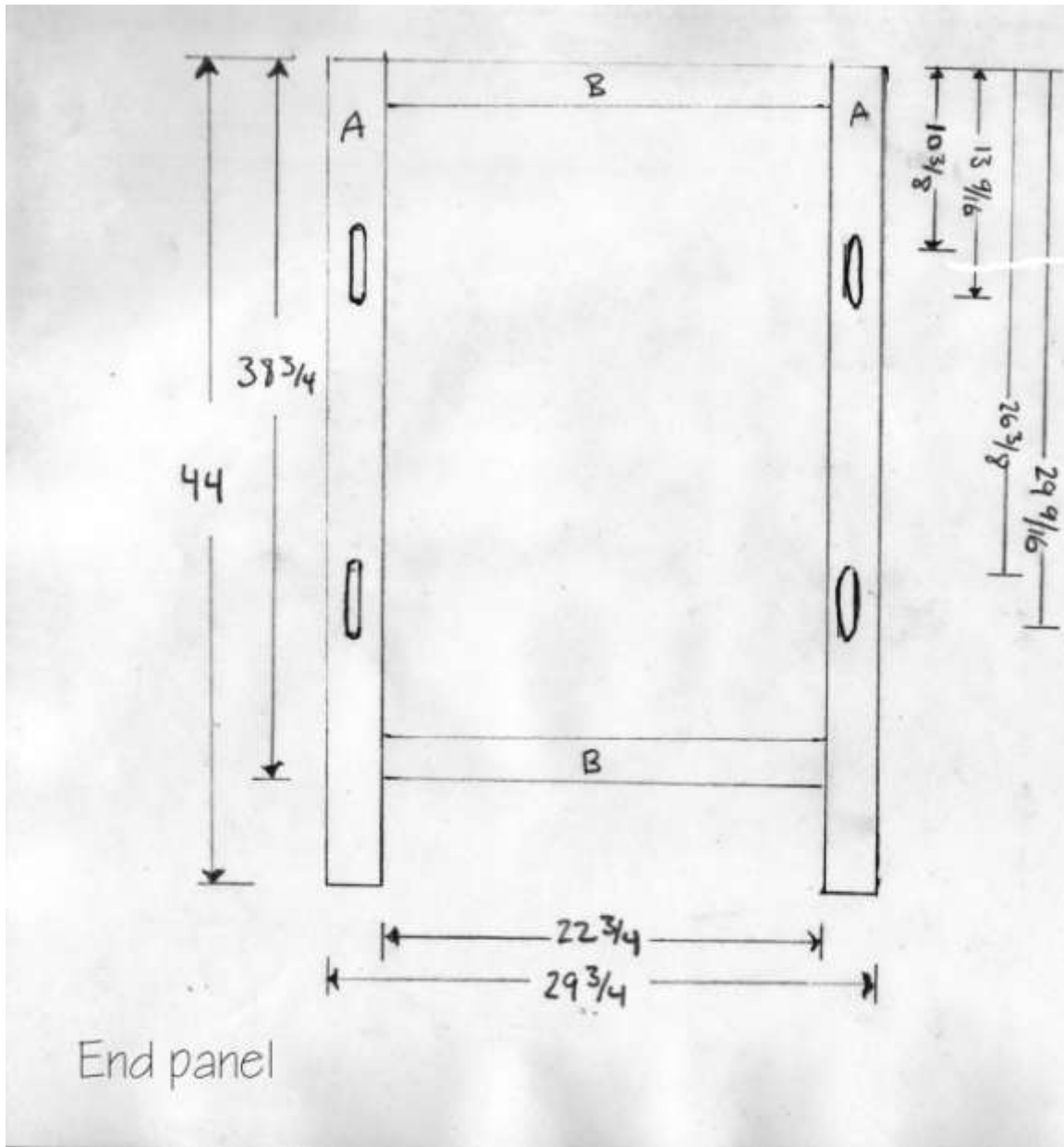
Assemble front by securely gluing all dowels into rails E and clamping until set. It is important that the front be square. Filler pieces C should be cut to final length determined by the space remaining after rails and bars are assembled. This can be done by dry-fitting the rails and bars and measuring the remaining space. C can then be cut to length and can be joined to E with biscuits or dowels. However, C gets continuously glued to A, which is likely strong enough.



H to have tenons in ends to match grooves in B. So, H should be 27" long.

Cut mdf panel 27x48 <sup>3</sup>/<sub>4</sub> to fit in the groove of the frame. Dry fit the pieces. Glue both H parts to panel first, then parts B. C is a filler to be added after this back panel is attached to the end panels. Biscuit slots or dowel holes can be made between C and B to improve the eventual joining.

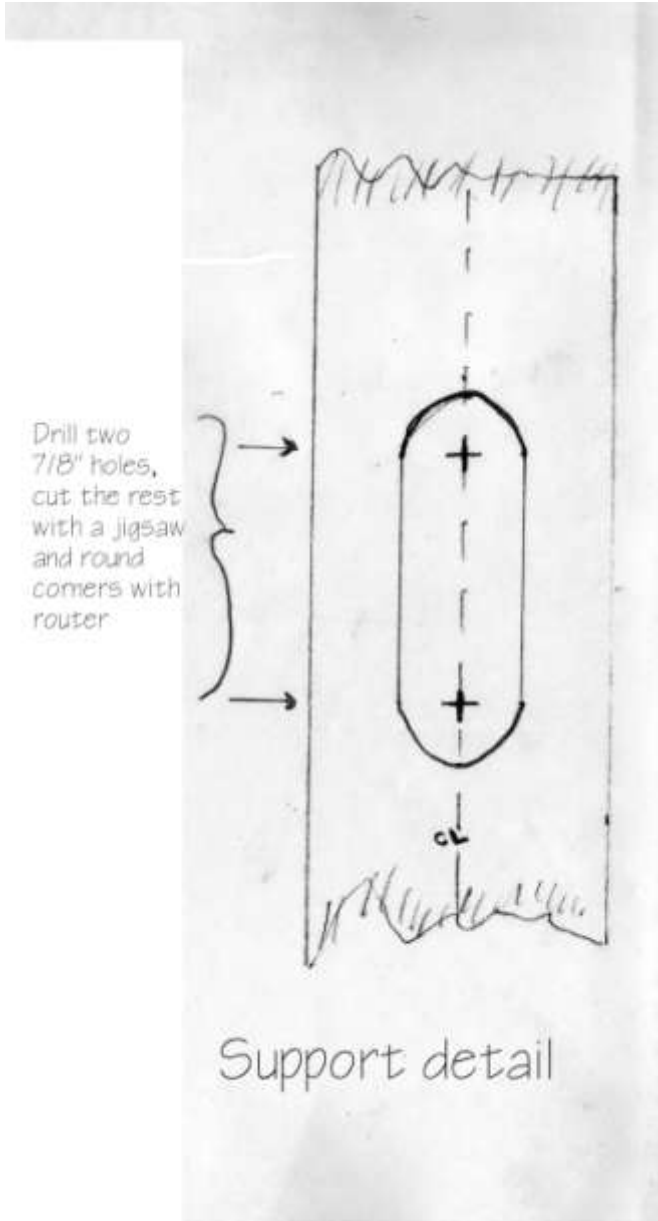
Not that the actual width of the back panel is 52 <sup>3</sup>/<sub>4</sub>, allowing for the tongues which slip in the end panel grooves.



B to be cut so ends fit in groove in A. Actual measurement of B is  $23 \frac{3}{4}$ ".

Mdf panel to be cut  $39 \frac{3}{4} \times 23 \frac{3}{4}$  to fit in grooves of frame. Dry fit all parts and then assemble B parts to panel first. Slots should be cut in A parts in following the dimensions on the drawing. Slots to be  $\frac{7}{8}$ " wide and centred on the width of A. Dimensions given locate the centre point for drilling  $\frac{7}{8}$ " holes.

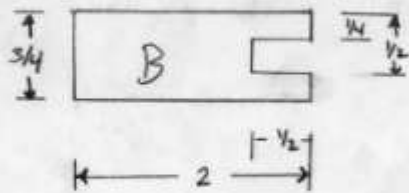
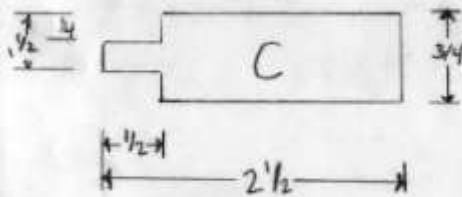
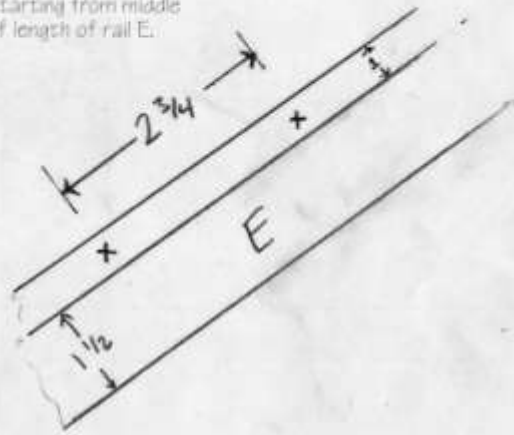
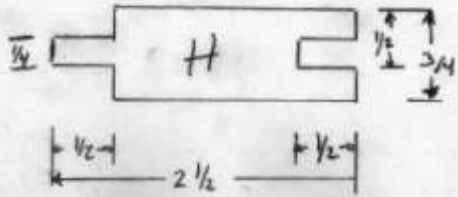
Groove in A continues below bottom of panel. It can be filled by gluing in  $\frac{1}{2}$ " strips.



Holes to be located according to dimensions on previous page. A rasp, file, or small drum sander can smooth the cutout. You can set up a jig for a router and cut them that way.

## Details

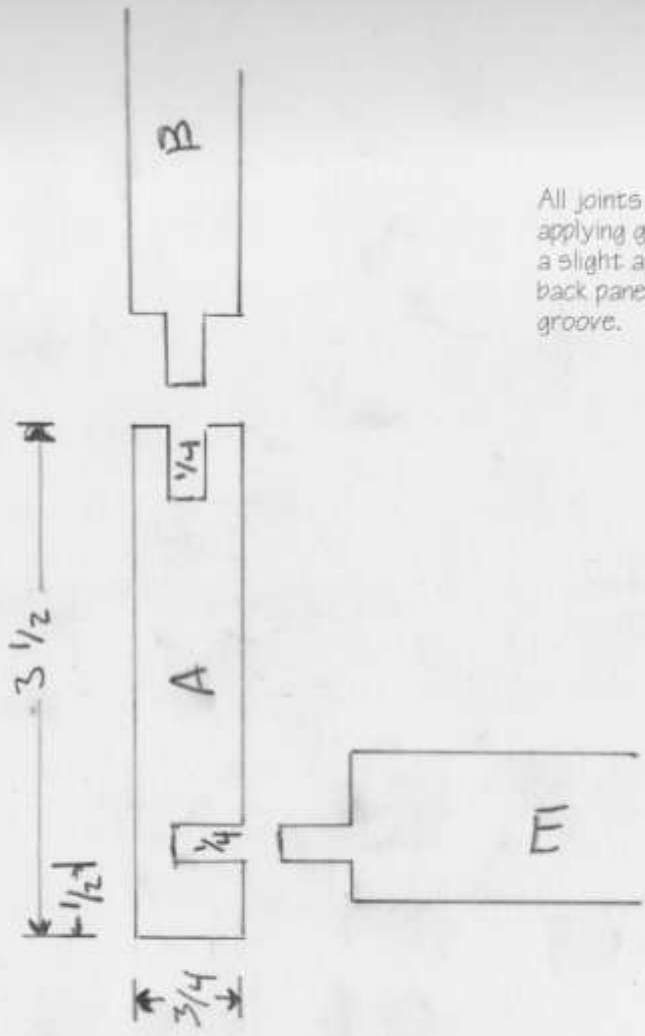
Drill 5/8" inch holes 1/2" deep to receive 17 dowels. Mark holes starting from middle of length of rail E.



### Length cuts

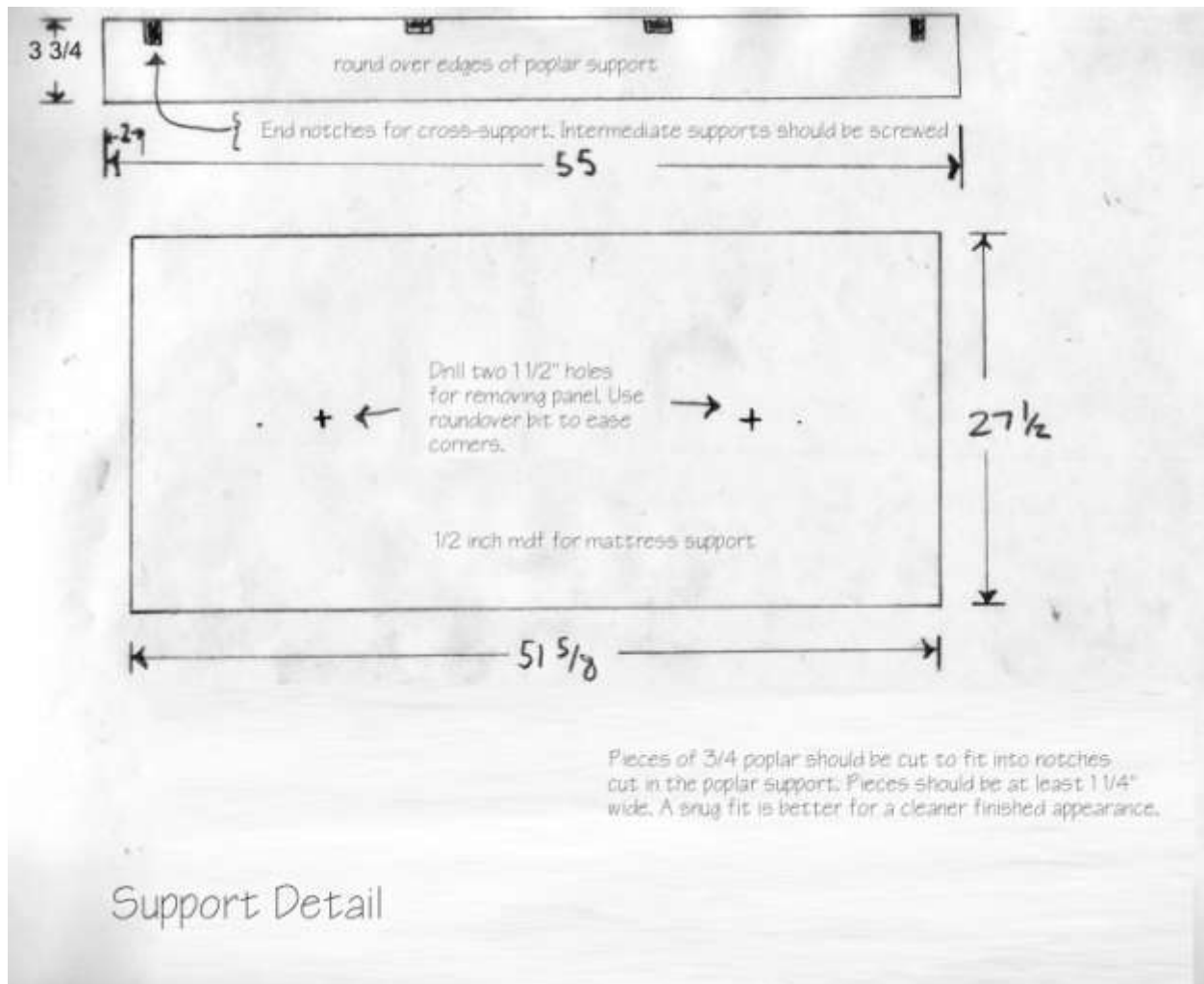
- Back Panel
- 2 x B @ 52 3/4"
  - 2 x H @ 27
  - 2 x C @ ~14 1/2" (finalize measurement after panel is assembled)
- End Panels
- 4 x A @ 44"
  - 4 x B @ 23 3/4"
- Front
- 2 x E @ 52 3/4" with 17 x 5/8" holes spaced 2 3/4" apart set out from middle of piece. Holes should be 3/4" deep.
  - 17 # 5/8" dowels @ 27 1/2"
  - 2 x C @ ~26 1/2 (determine actual length from build)
  - 2 x C @ ~15 (finalize measurement after rail and bar assembly is installed in end panels)

All lengths should have all exposed corners rounded over and should be sanded prior to any assembly.



All joints should be dry-fit prior to applying glue. It may be necessary to trim a slight amount from the tongue of the back panel for it to fit into the end panel groove.

Details

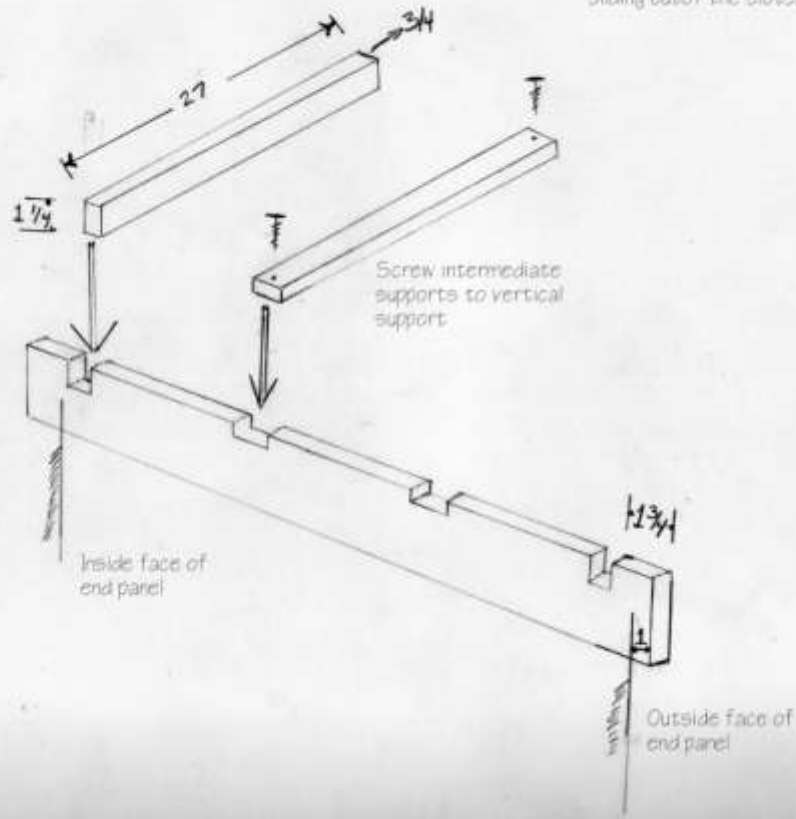


Check mdf mattress support for fit in crib. It should fit without being forced but it should also not be able to move from side to side.

The supports have notches for cross-supports. The ones on the ends will not slip out because of their position. Intermediate ones, however, should be screwed to prevent them from sliding out. Check the actual spacing of the vertical supports prior to cutting these cross-supports to length. The intermediate ones should be flush with the visible face of the vertical support.

## Support Detail

Slide vertical support through slots in end panels. Drop end supports in notches. These will prevent the vertical supports from sliding out of the slots.



All 4 cross-support pieces can be cut to the same dimensions. The ones at the end will not slip out through the bars because of the filler piece in the ends of the front. The intermediate ones should be held flush on the outside of the visible vertical support and screwed down to both.