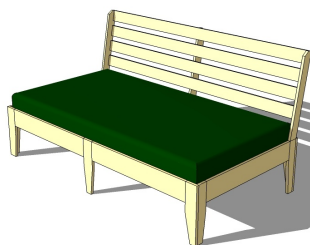




SIMPLE WOODWORKING: DAY BED WITH BACK

TWIN SIZE MATTRESS



PARTS

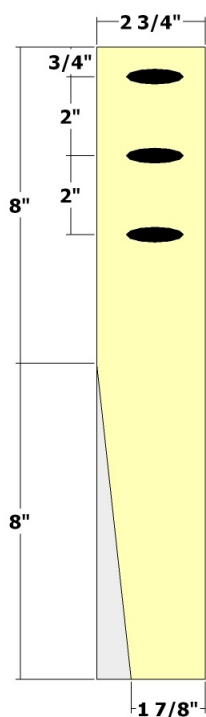
End Legs (4) - 3/4 x 2 3/4 x 16
Side Legs (4) - 3/4 x 3 1/2 x 16
Center Legs (2) - 3/4 x 3 1/2 x 16
End Rails (2) - 3/4 x 5 1/2 x 34 1/2
Side Rails (4) - 3/4 x 5 1/2 x 34
Stretchers (5) - 3/4 x 2 1/2 x 40
Slats (9) - 3/4 x 3 1/2 x 76
Back Leg (1) - 3/4 x 2 x 16
Outer Back Supports (2) - 3/4 x 2 3/4 x 24 1/2
Center Back Support (1) - 3/4 x 2 3/4 x 24
Back Slats (4) - 3/4 x 3 1/2 x 24 76

LUMBER

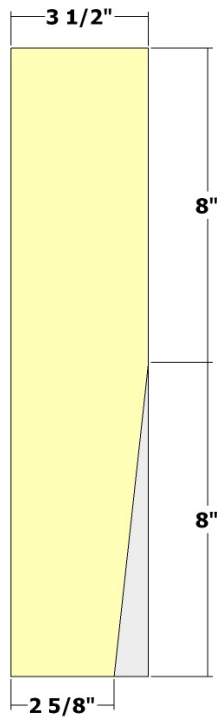
3 - 1 x 6 x 6
15 - 1 x 4 x 8
2 - 1 x 2 x 8

HARDWARE

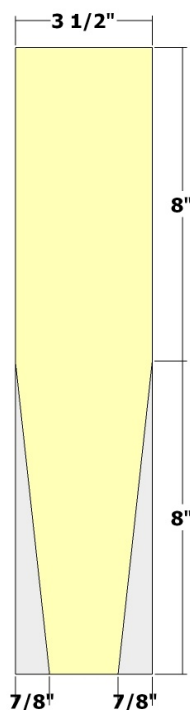
1 1/4" pocket hole screws
(thread appropriate for the
lumber species used)



End Leg



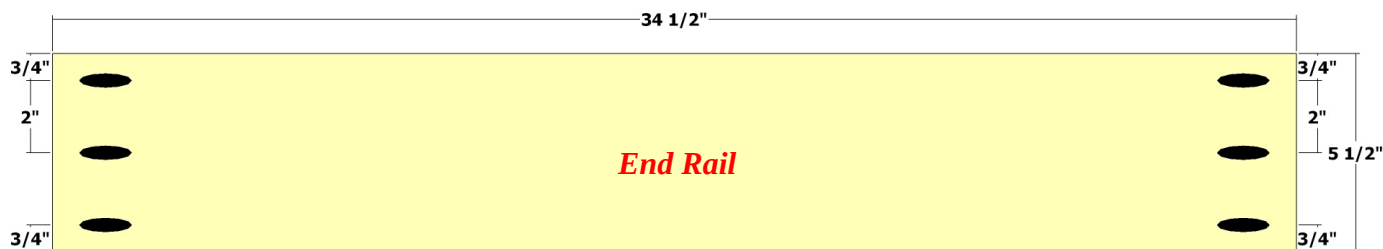
Side Leg



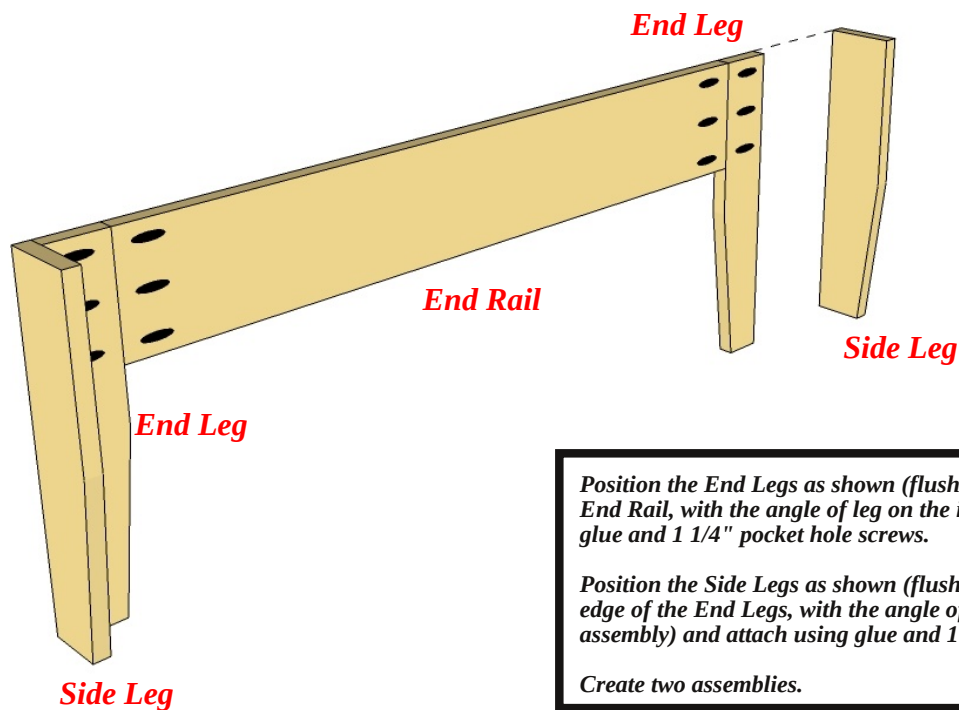
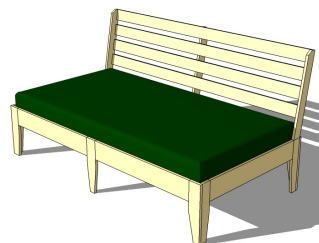
Center Leg

LEFT: Use the layouts as guides to cut the End Legs, Side Legs and Center legs to size and shape. Drill pocket holes as shown on the End Legs. **Set your Kreg Jig and drill bit for 3/4" stock.** Note: You need to create two End Legs as shown, and two that are mirror images of the layout shown.

BELOW: Use the layout as a guide for drilling pocket holes in the End Rails.



End Rail

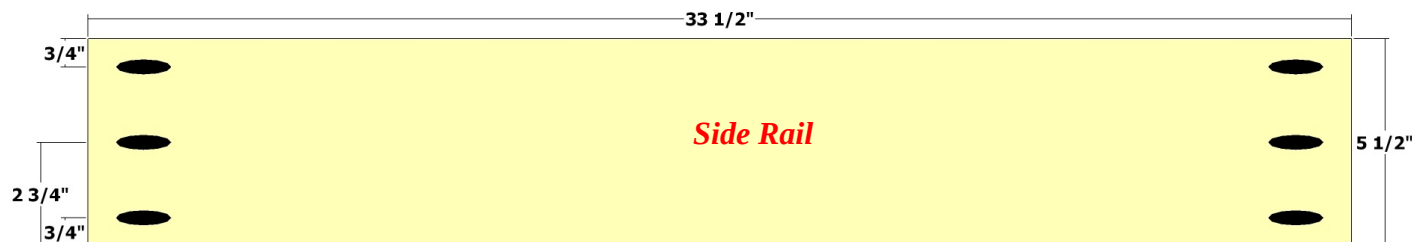


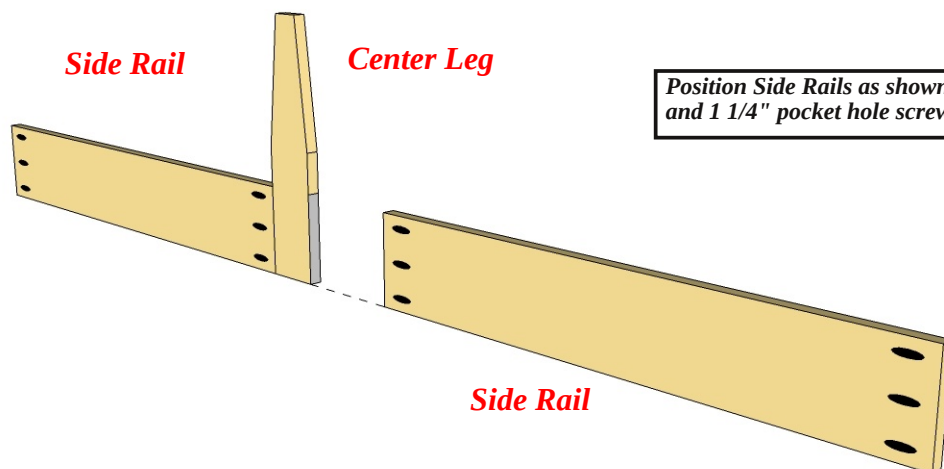
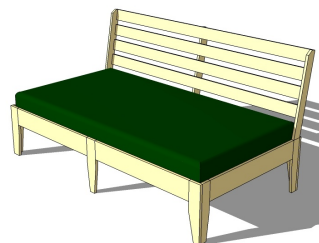
Position the End Legs as shown (flush with the top edge of the End Rail, with the angle of leg on the inside) and attach using glue and 1 1/4" pocket hole screws.

Position the Side Legs as shown (flush with the top and outer edge of the End Legs, with the angle of the leg away from the assembly) and attach using glue and 1 1/4" pocket hole screws.

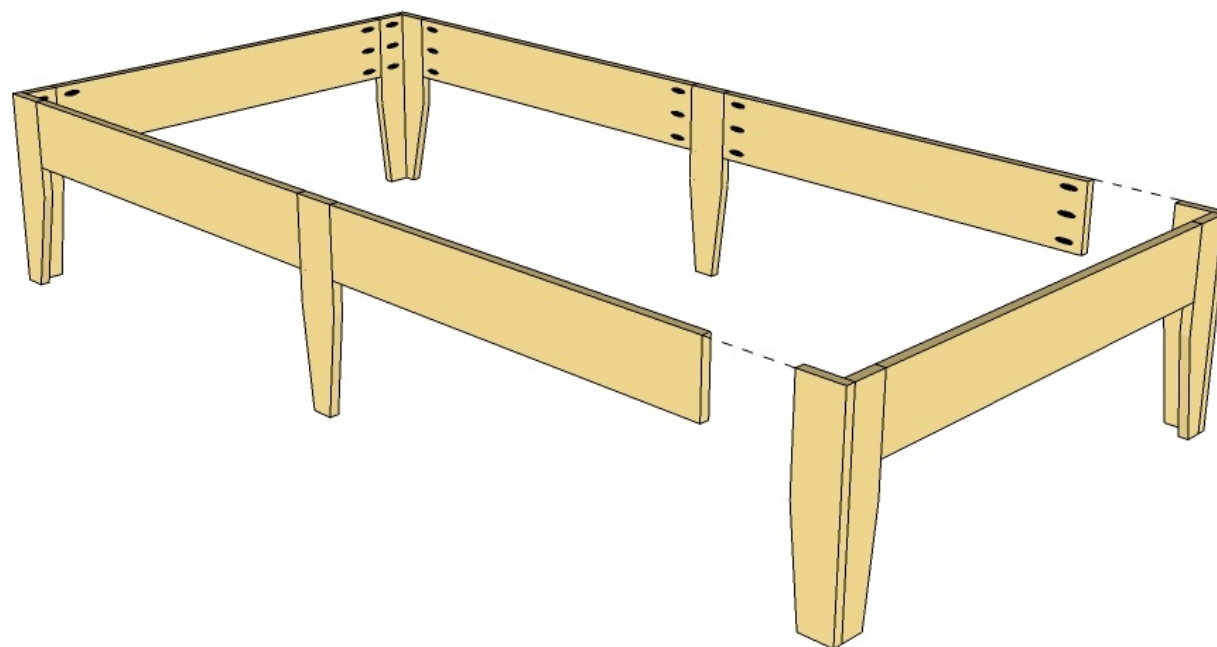
Create two assemblies.

BELOW: Use the layout as a guide for drilling pocket holes in the Side Rails.

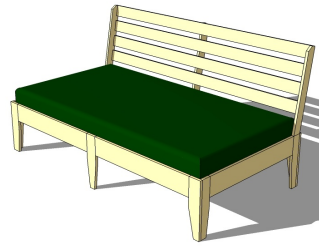




Position Side Rails as shown at left, and attach using glue and 1 1/4" pocket hole screws. Create two assemblies.



Position the End Assemblies as shown (you may want to turn the assemblies over) and attach using glue and 1 1/4" pocket hole screws. Check for square and adjust if needed.

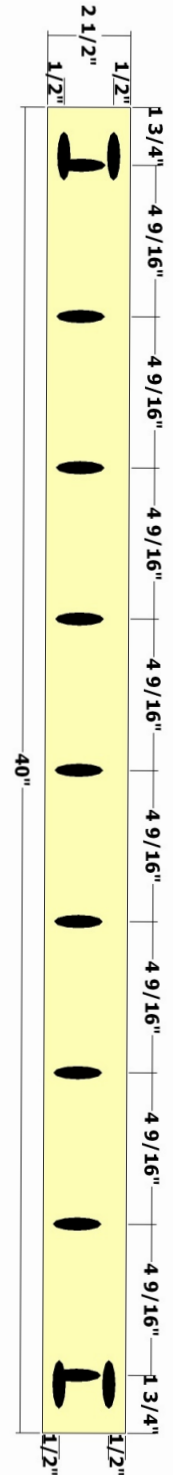
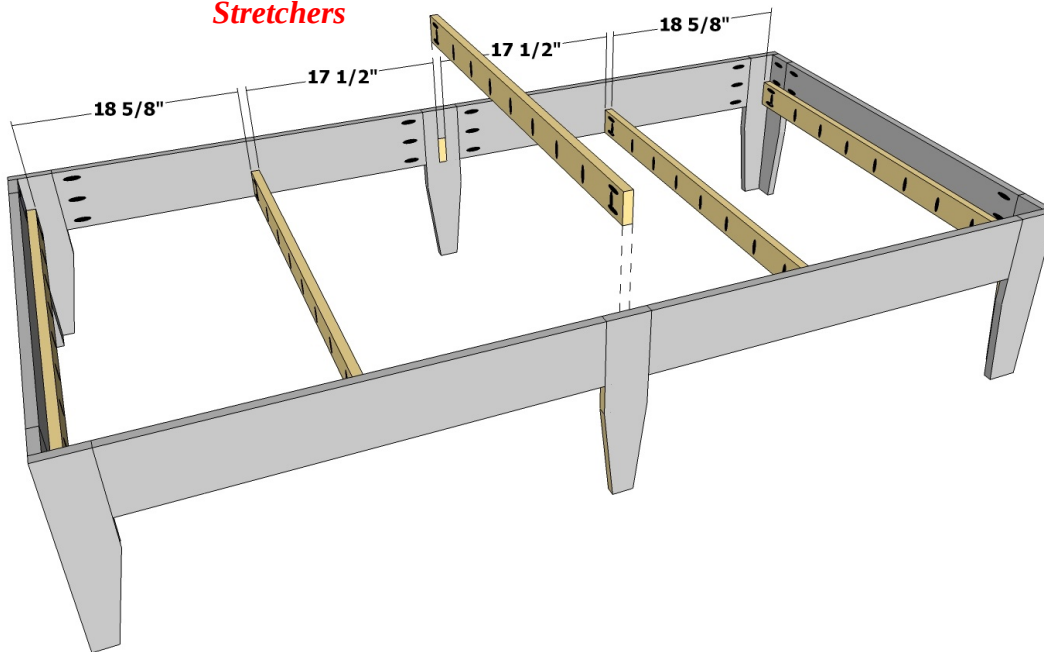


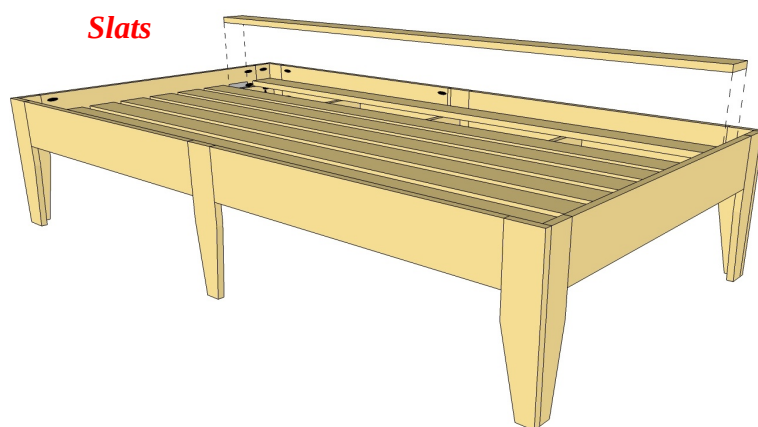
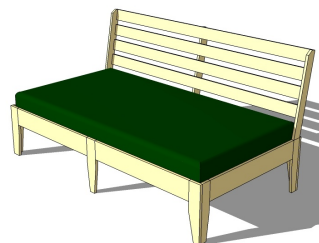
Use the layout at right as a guide for drilling pocket holes in the Stretchers.

Stretcher

Position the Stretchers as shown (flush with the bottom edge of the Rails and spaced as shown) and attach using glue and 1 1/4" pocket hole screws.

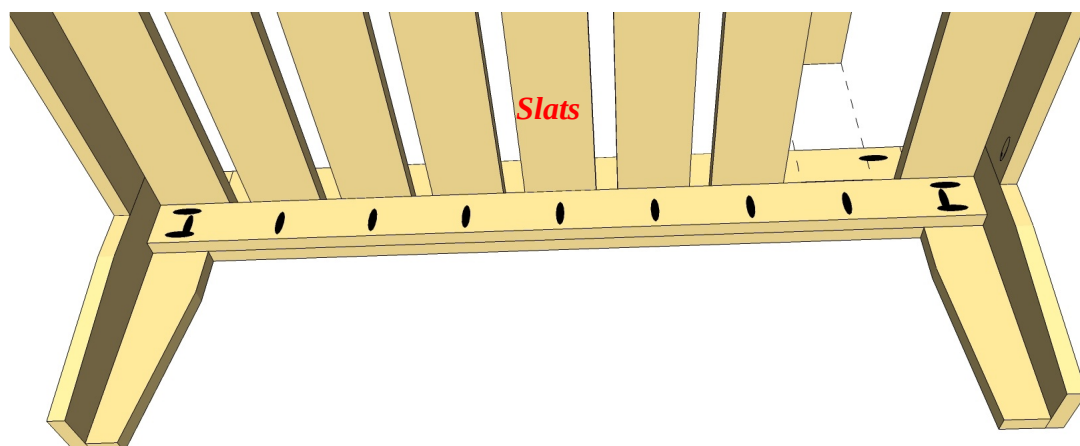
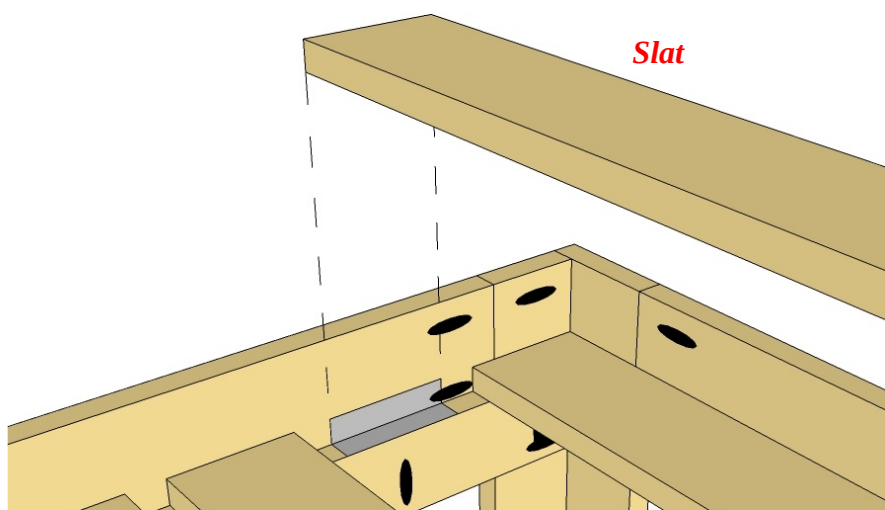
Stretchers

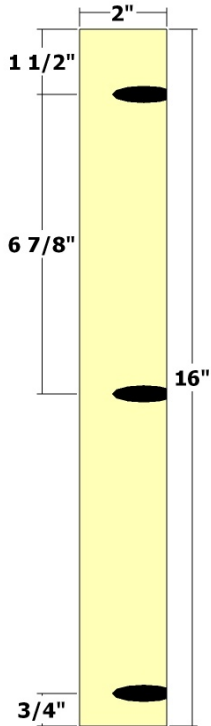
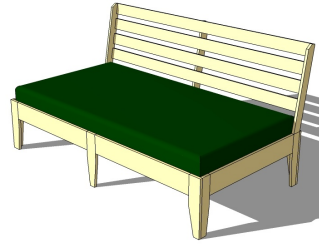




Position the outer Slats flush against the Sides and Ends and attach using glue and 1 1/4" pocket hole screws. Drive the screws through the Stretchers and into the Slats.

Position the remaining Slats spaced equidistantly apart (roughly 1 - 1 1/16 inch apart) and attach using glue and 1 1/4" pocket hole screws. Drive the screws through the Stretchers and into the Slats.

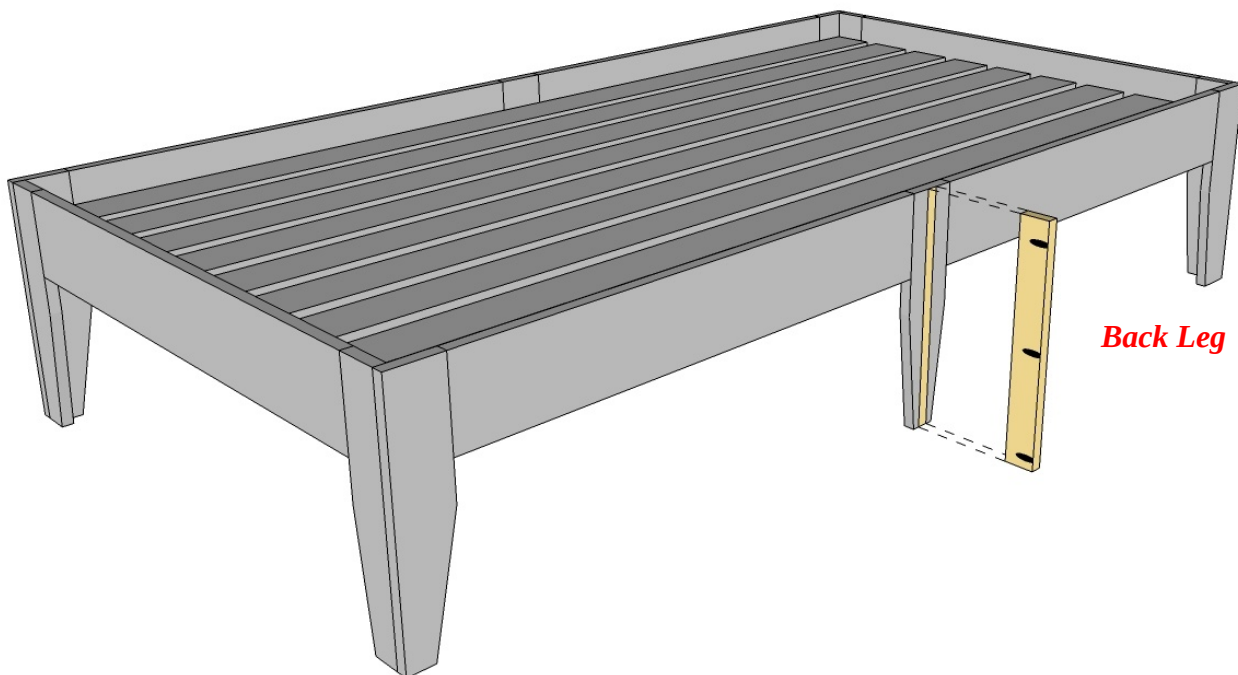




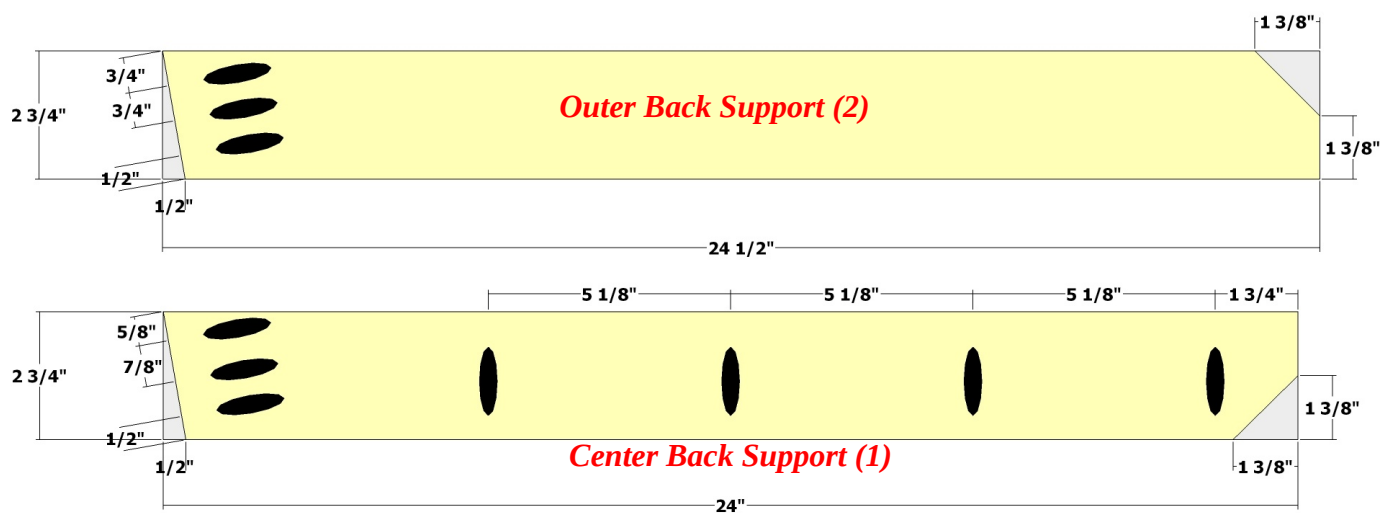
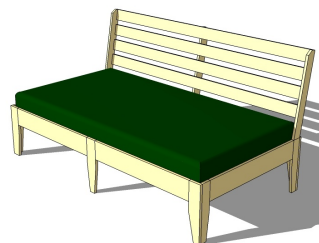
Back Leg

Use the layout at left as a guide for drilling pocket holes in the Back Leg.

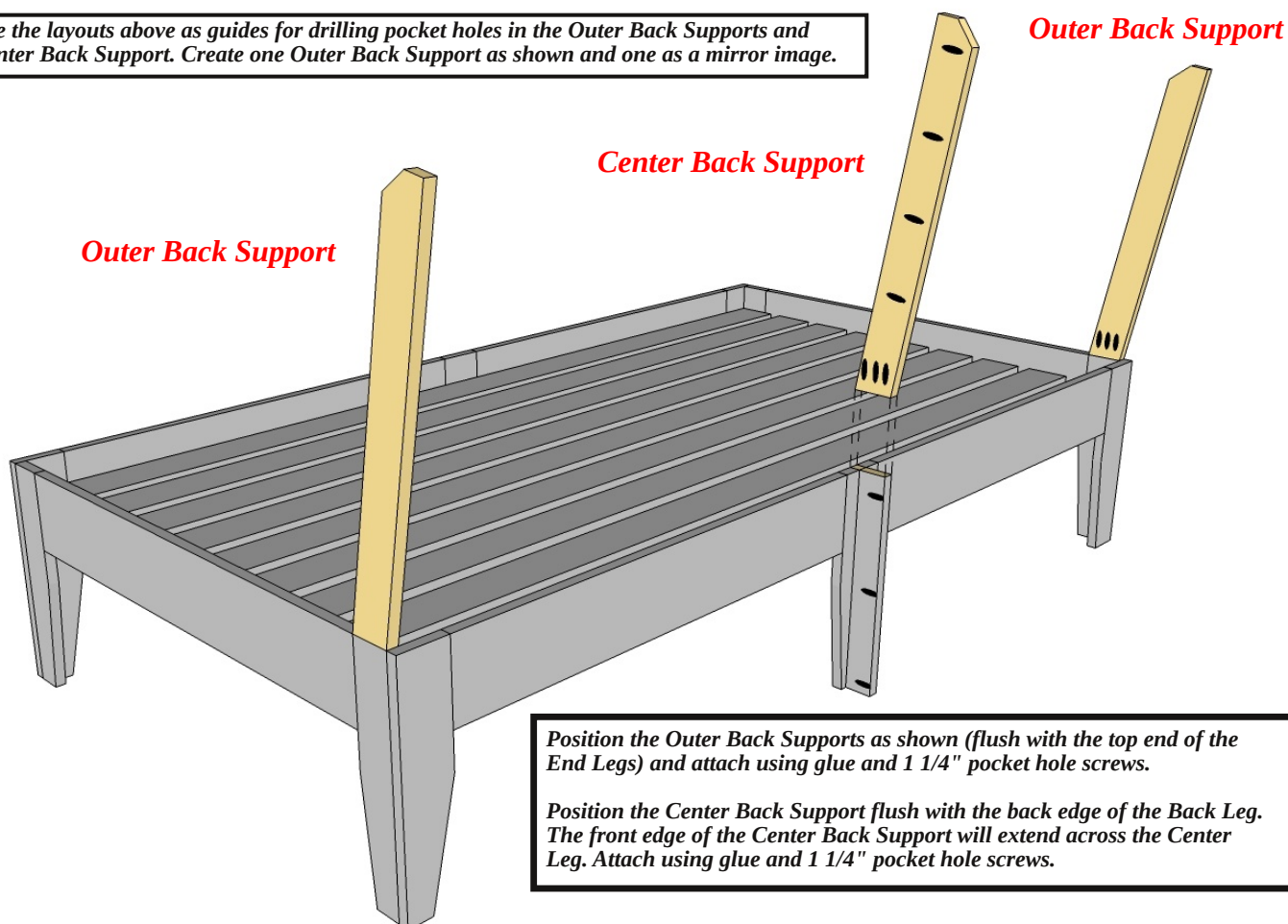
Position the Back Leg as shown (centered on the Center Leg and flush with the ends) and attach using glue and 1 1/4" pocket hole screws.



Back Leg

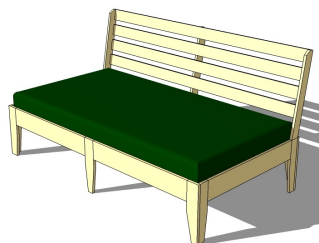


Use the layouts above as guides for drilling pocket holes in the Outer Back Supports and Center Back Support. Create one Outer Back Support as shown and one as a mirror image.



Position the Outer Back Supports as shown (flush with the top end of the End Legs) and attach using glue and 1 1/4" pocket hole screws.

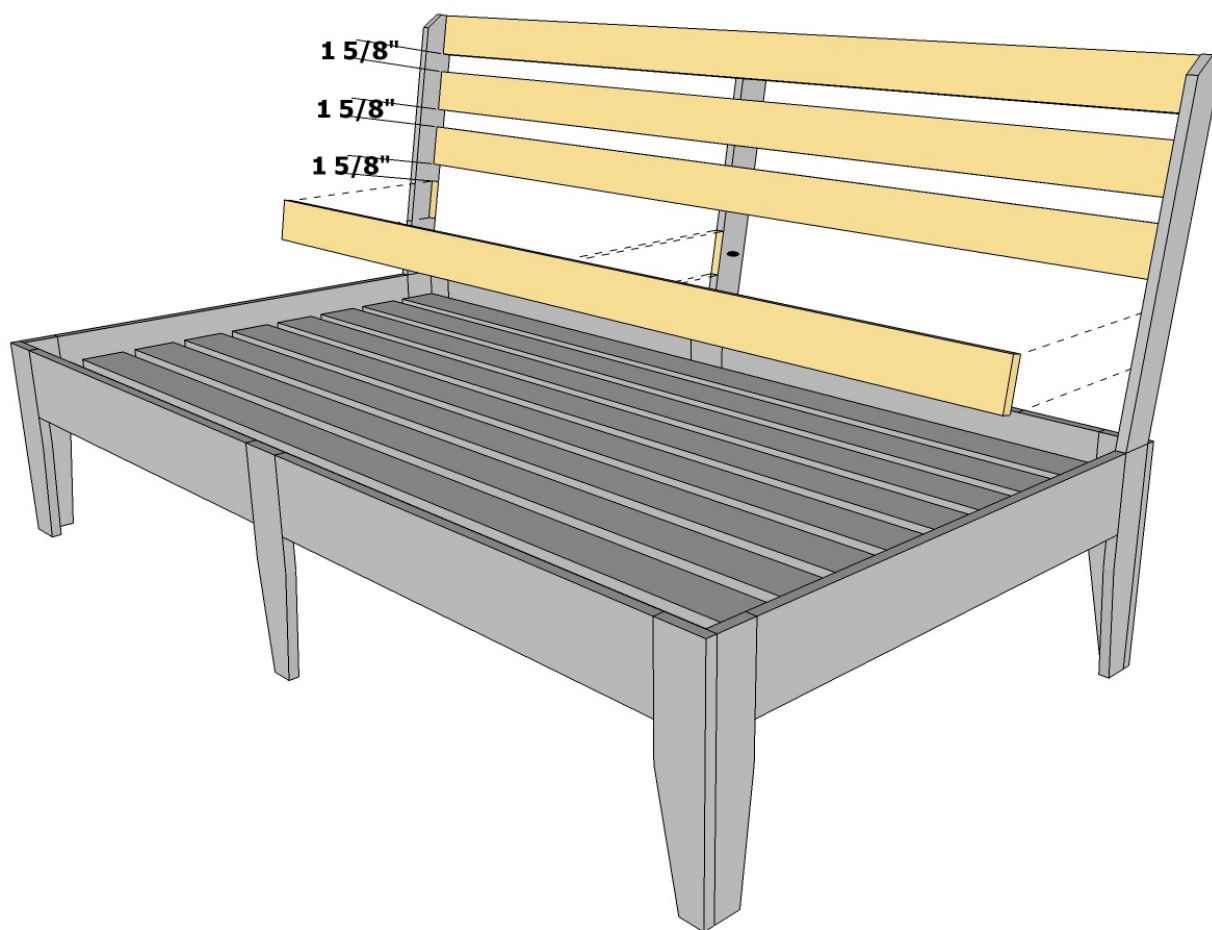
Position the Center Back Support flush with the back edge of the Back Leg. The front edge of the Center Back Support will extend across the Center Leg. Attach using glue and 1 1/4" pocket hole screws.

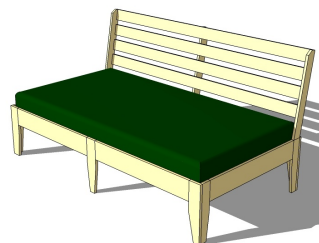


Use the layout at right as a guide for drilling pocket holes in the Back Slats.

Back Slat

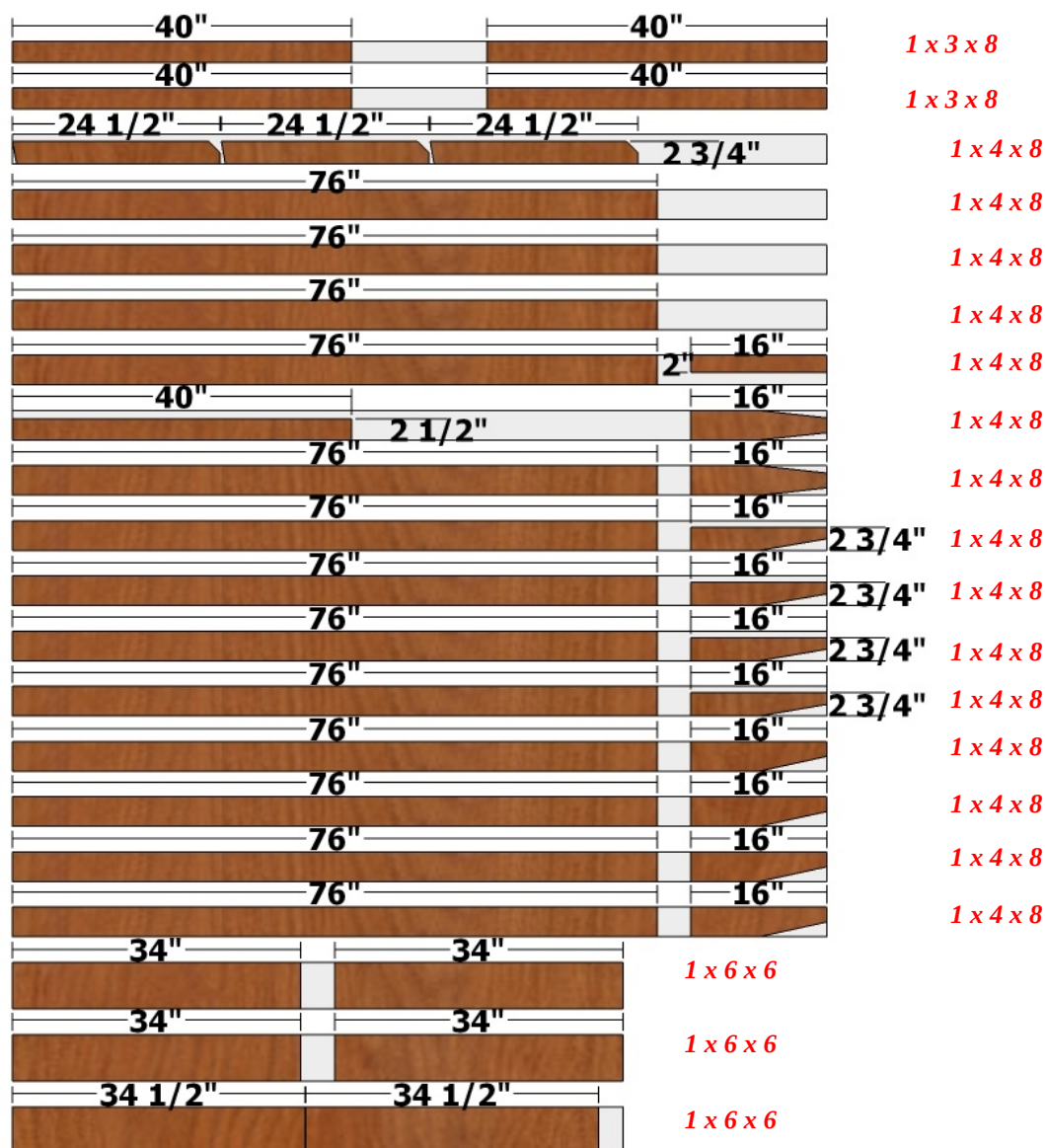
Position the Slats as shown (with the pocket holes facing the back) and attach using glue and 1 1/4" pocket hole screws.





CUTTING DIAGRAM

Note: Cut parts AS YOU NEED THEM, and not all at once.



Follow ALL SAFETY GUIDELINES AND RECOMMENDATIONS provided by the manufacturers of your tools, and any chemicals such as glue and finishes you use in this project. YOU are responsible for your safety, so use common sense when working in the shop!

