

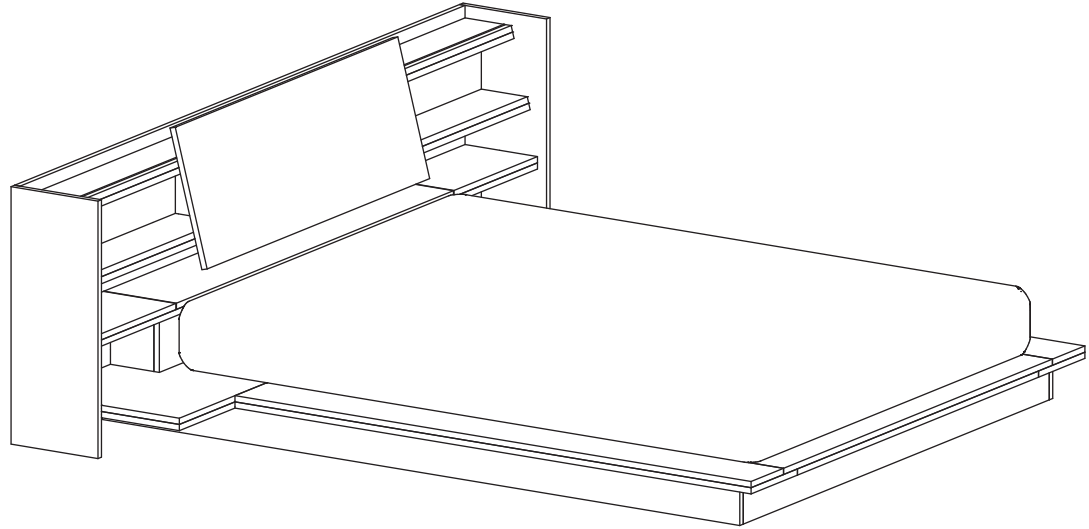
DIY Plywood Bed With A Sliding Headboard

For the full build video, go to the HomeMade Modern YouTube Channel

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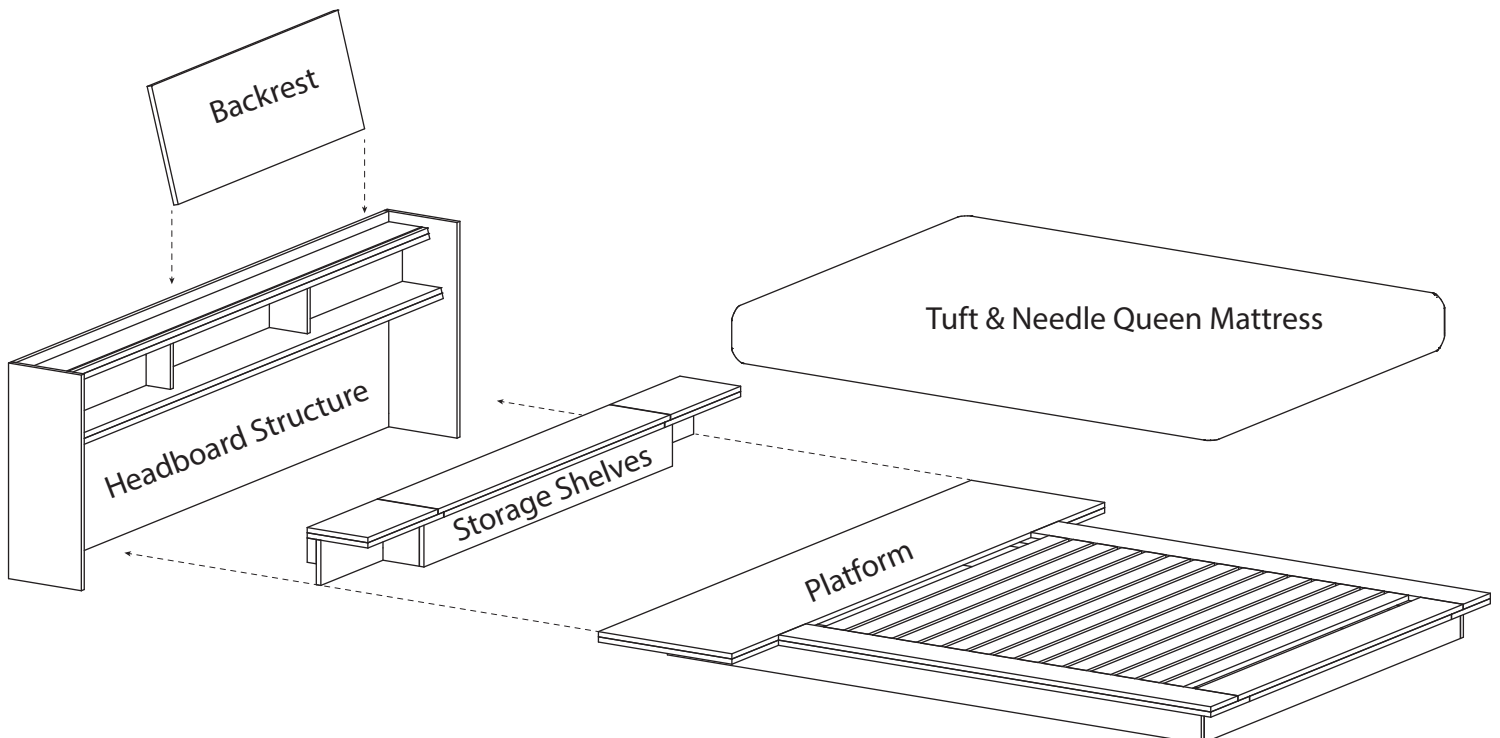
Overview:

This bed can be made out of 4-5 sheets of 3/4" plywood using just a circular saw, orbital sander and a cordless drill. I used wood glue and finish screws to connect the pieces. The plywood was finished with a water-based polyurethane.



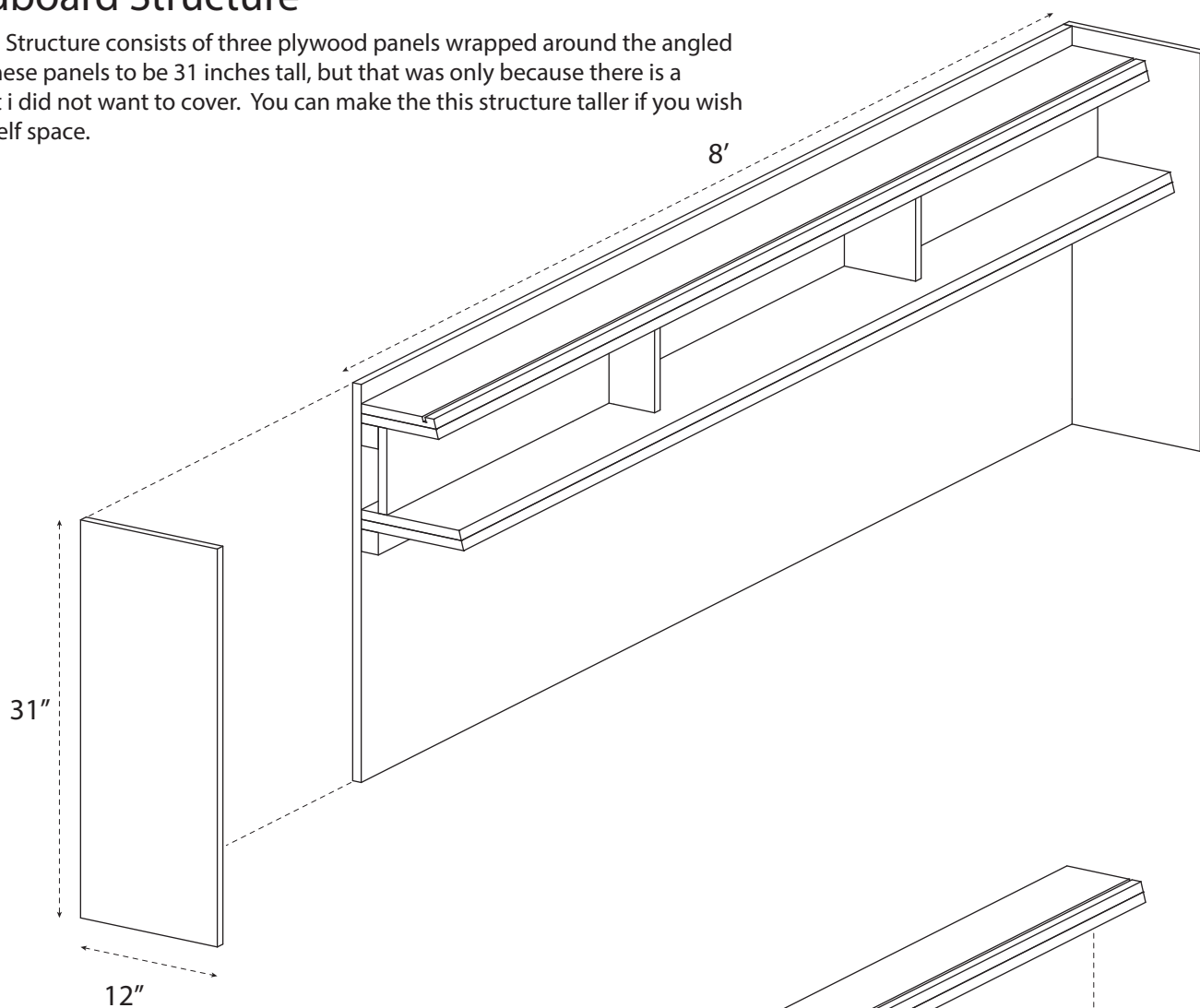
Sections:

The bed consists of three main sections, the Headboard Structure that has the angled shelves that support the sliding backrest, the Platform that holds the mattress and has integrated side tables, and the storage shelves that sit on top of the platform behind the mattress. I assembled these independently before screwing them together. The bed is quite large, and this way i can take it apart and move it piece by piece, if needed.



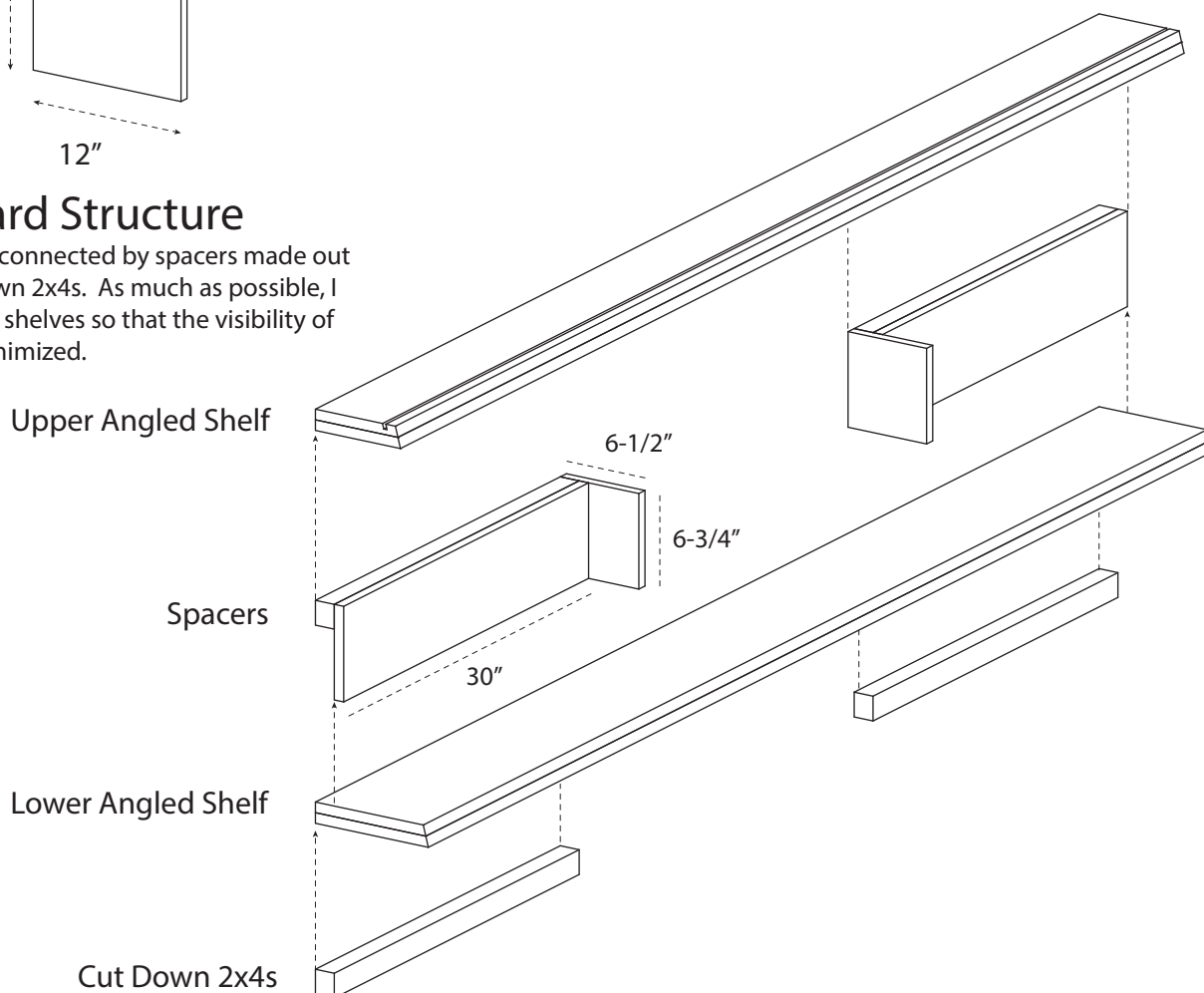
The Headboard Structure

The Headboard Structure consists of three plywood panels wrapped around the angled shelves. I cut these panels to be 31 inches tall, but that was only because there is a lightswitch that i did not want to cover. You can make the this structure taller if you wish to add more shelf space.



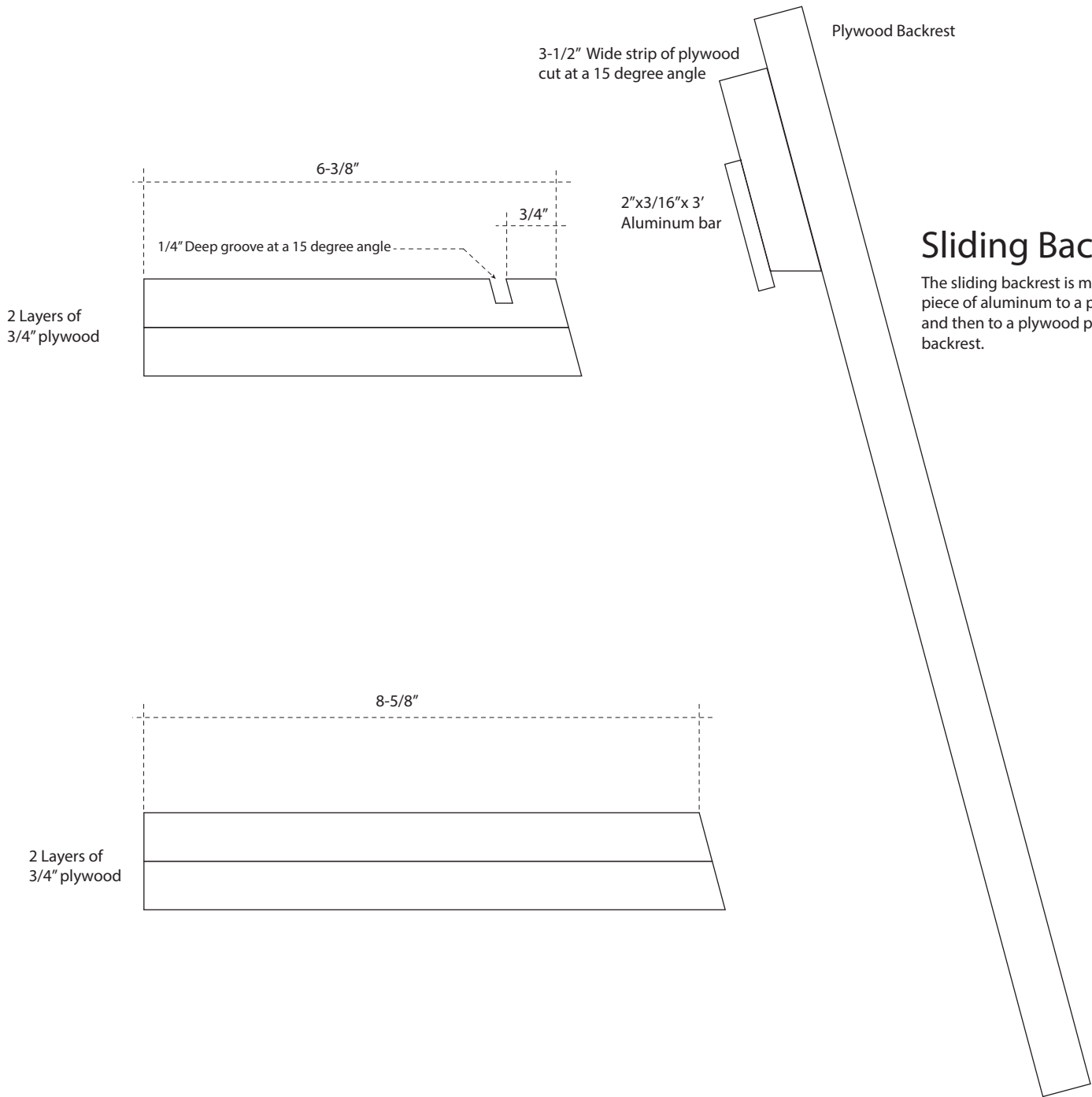
The Headboard Structure

The angled shelves are connected by spacers made out of plywood and cut down 2x4s. As much as possible, I tried to assemble these shelves so that the visibility of the screwheads is minimized.



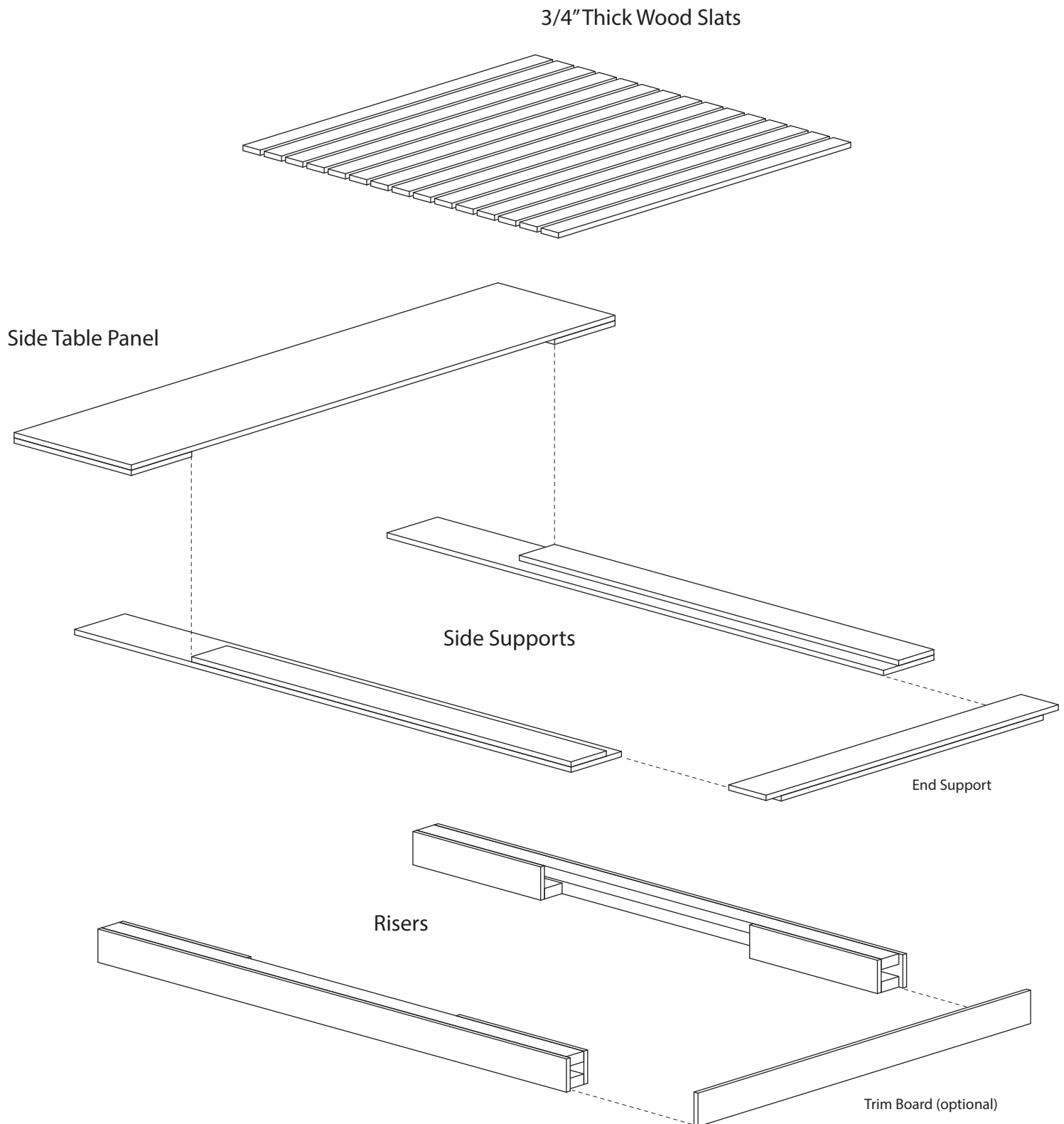
Angled Shelves

The angled shelves are made by gluing 8-foot long strips of plywood together and then cutting these 1-1/2" pieces at a 15 degree angle. The upper shelf has a groove about 1/4" wide and deep that is also at a 15 degree angle.



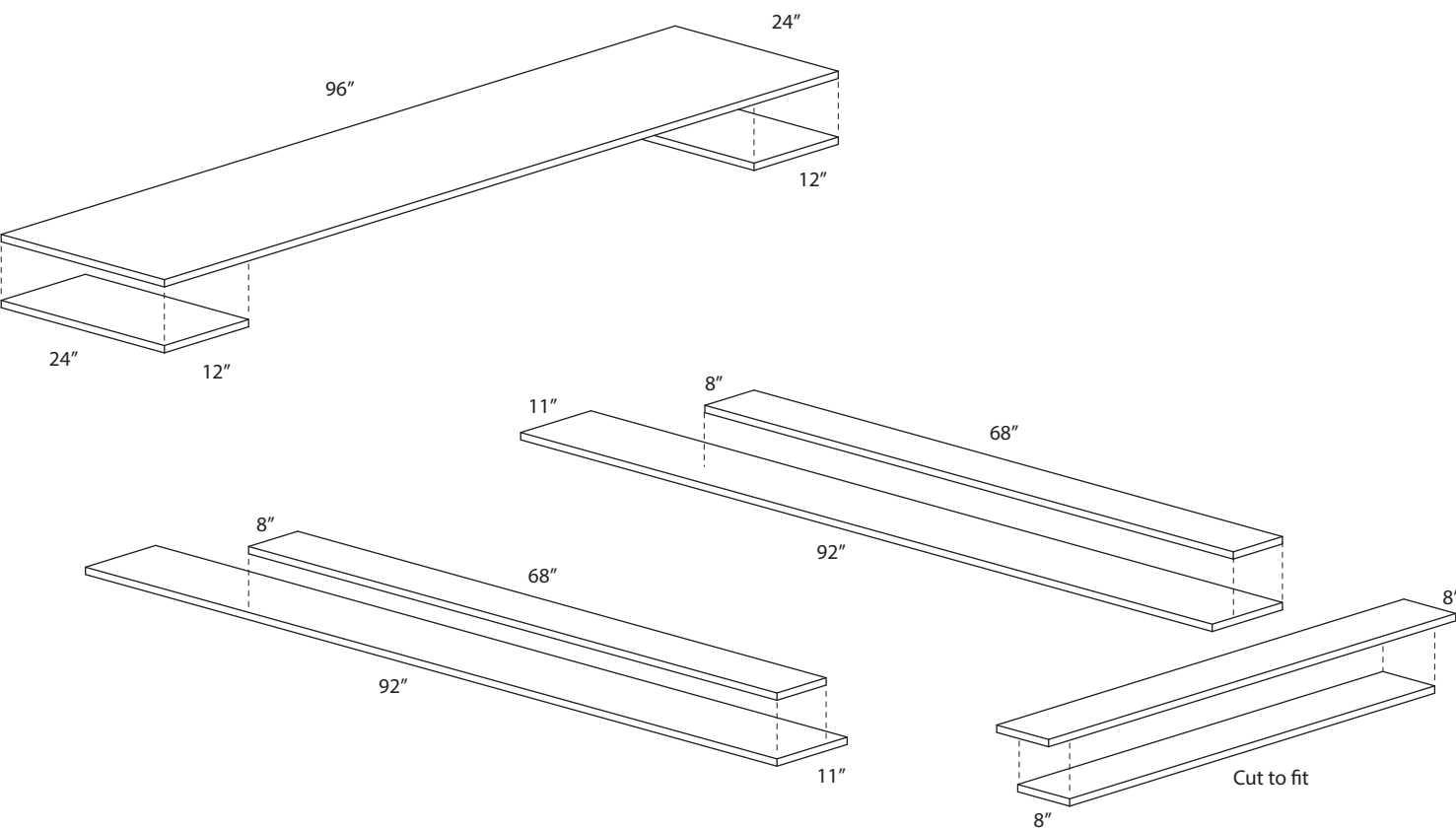
The Platform

The Platform consists of a large panel that creates the side tables, 2 side supports, and an end support that is all supported by risers made out of plywood and 2x4s. If you want a higher platform simply make taller risers. If you want less of a platform showing around the perimeter of the bed, make narrower side and end supports. For the wood slats that support the mattress you can use leftover plywood or get some cheap 1x4 slats like I did.



Cutting and Gluing the Platform Pieces

The main pieces of the platform are made by cutting and then gluing pieces of plywood together to create panels that have lap joints.



Storage Shelves

The storage shelves are comprised of spacers made out of plywood and 2x4s that support the shelves and a lid made out of 2-layers of plywood glued together. The plywood is cut and glued to create lap joints that support the lid. All of these pieces can be screwed to the headboard structure once the bed is ready for final assembly.

