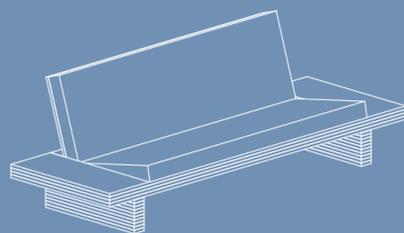


DIY PLYWOOD SOFA 1.0

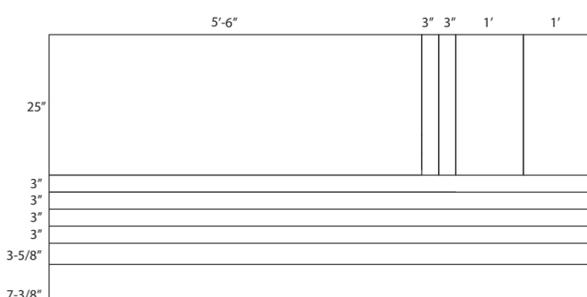
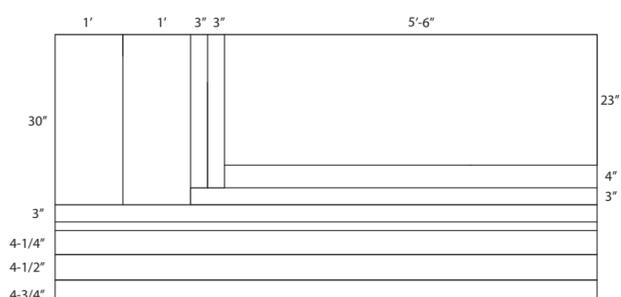
By Ben Uyeda of HomeMade-Modern.com

A modern DIY sofa made from 2.25 sheets of 4'by8' plywood.
Go to the HomeMade Modern YouTube channel to watch Ben make this sofa!

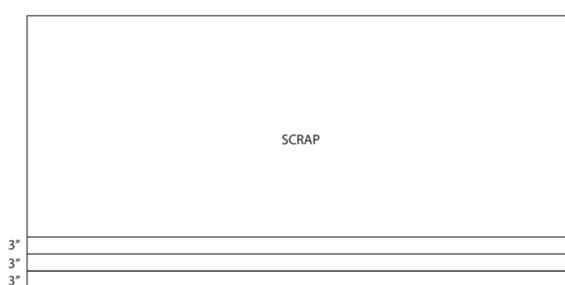


STEP 1. RIP CUTS

I used my circular saw to cut 3/4" thick plywood.



Note: Start with the measurements and cuts shown. Additional cuts will be needed but i recomend starting with these and then doing field measurements for the rest of them.



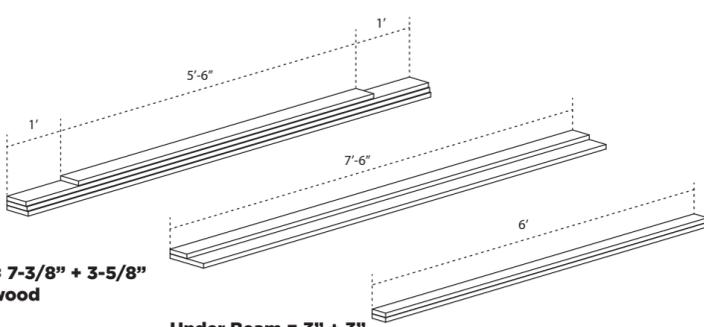
STEP 2. GLUE STRIPS OF PLYWOOD

I glued strips of plywood together to make the beams that will support the sofa.

Back Beam = 4-3/4" + 4-1/2" + 4-1/4" + 4" Strips of plywood

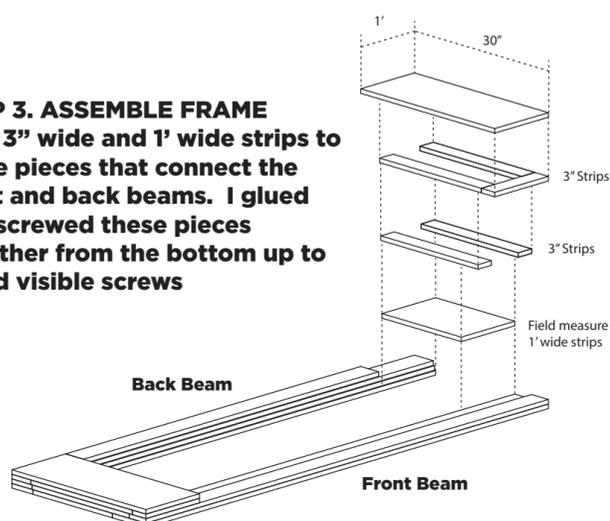
Front Beam = 7-3/8" + 3-5/8" Strips of plywood

Under Beam = 3" + 3" Strips of plywood



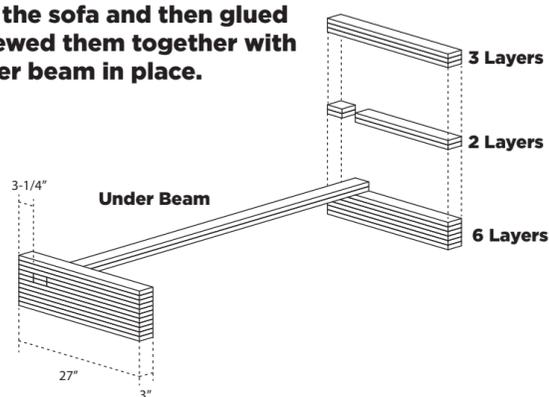
STEP 3. ASSEMBLE FRAME

I cut 3" wide and 1' wide strips to make pieces that connect the front and back beams. I glued and screwed these pieces together from the bottom up to avoid visible screws



STEP 4. ASSEMBLE BASE

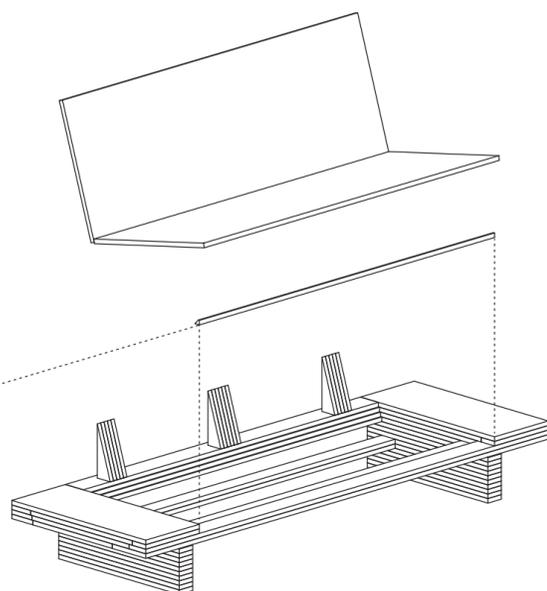
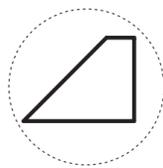
I cut 3" wide strips to make the legs for the sofa and then glued and screwed them together with the under beam in place.



STEP 5. TEST FIT

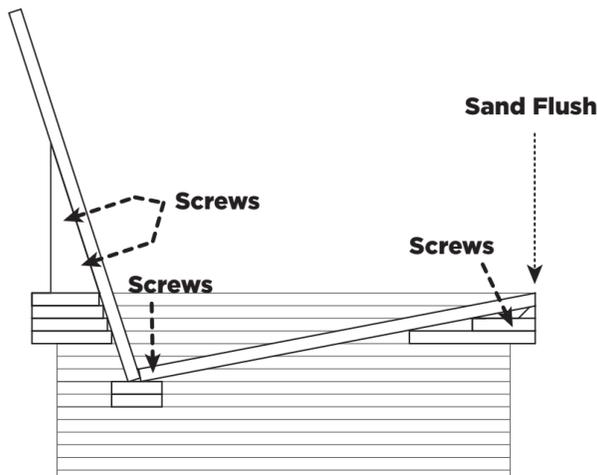
I placed the back piece and the seat in the frame and then made some field measurements for the back triangle supports and for the filler piece that goes in the front. I cut the triangles from the 3" wide strips. For the filler piece I ripped a thin piece of plywood at a 45 degree angle to make a piece that fits right under the seat.

Side view of filler piece



STEP 6. SCREW AND SAND FLUSH

I used finish screws to fasten the pieces together. I used my orbital sander to sand the frame flush and remove the overhang of the seat piece.



STEP 7. FINISH AND ADD CUSHIONS

I sealed the plywood with Minwax Polycrylic and made cushions out of foam and leather. Instructions for the cushions are in the HomeMade Modern YouTube channel.

