

## **The Project: Four (4) Adirondack Chairs and two (2) foot stools.**

**Start date: August 9, 2014**

It all began with a set of plans: [www.plansinwood.com](http://www.plansinwood.com)

Then a lot of wood: 50 - 5/4" x 6" x 8' Western Red Cedar from Lowes. It took two trips to pick up.

Eight (8) days later (nights & weekends) - all of the patterns were cut, as well as all of the individual pieces to make the chairs. In total, 215 individual pieces. It took 8 pieces of wood for each chair and 3 pieces for both footstools.



Special notes: A "Table sled" had to be made. This tool allowed me to cut the angled pieces for the back of the chairs and the vertical support arms. In right front of picture with wing nut affixed.

This picture shows the chair ARM's. Each Arm was made with two pieces of lumber, glued, along with biscuit joints for added strength. To make them 'nice' - I had to match the wood grain and knots on each board and then ultimately sand the edge down smooth.



Most of the pieces had to be "paired" for grain and matching hole location. Then identified as part of Chair 1, 2, 3, and 4 early in the process. Sharpie to the rescue! It took about a week to drill all of the necessary holes. Below are the Forstner bits required and the Stain [Sikkens Cetol 1, Dark Oak].





This picture shows the Drill Press. Of course I had to make the table top for wood working. This was my favorite tool during the project. Also had to purchase and install wheels to roll this outdoors.



Table Saw, Clamps, also made the Square to help assemble the chair.



The white washers are 1/4" UHMW Polyethylene. Made these too!  
3/8" Stainless Steel carriage bolts, washers, and nuts. The clear tube slides over the bolt, which helps the chair collapse without harm (1/2" holes in the wood).

More drill bits and drivers needed during the process.





To get the project ready for Stain - each piece had to be sanded with 80, 100, or 120 grit. Just the sanding took over a week to complete. There were also two other hand held sanders used.

*The chairs start to take life in the Surgi-Center . . .*

Each chair had to be assembled, some pieces glued & screwed, and then dis-assembled for finishing.





Quick glimpse of first assembled chair -



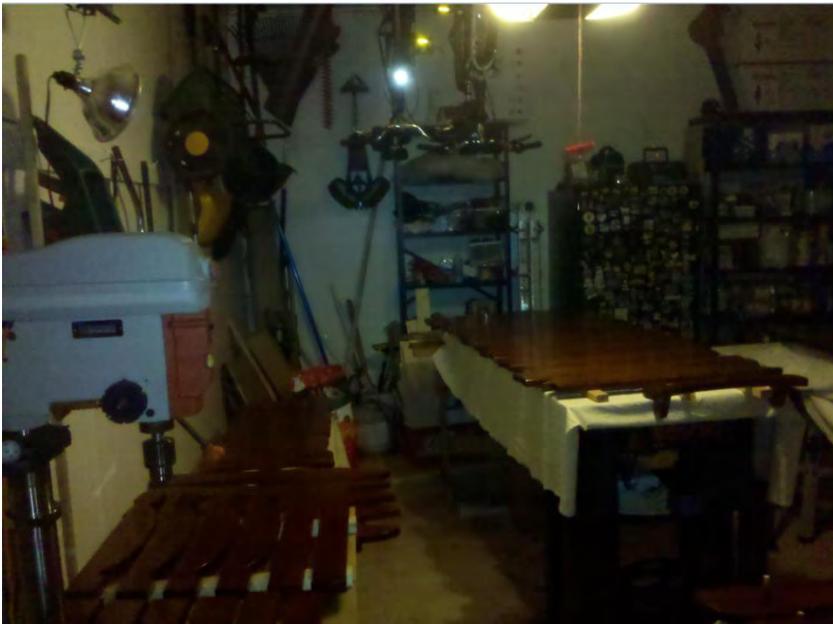
Now the Staining . . . This part took the longest. Each coat had to dry for 24 hours. Had to flip each set every other night. Took about two + weeks. Three (3) coats in total to get the proper finish.







The night shift didn't disappoint either . . .



***Get ready == => It's all worth it now!***



### ***Special Thanks to all my Suppliers out there!***

- The Barley Harvest: Plans in Wood.
- Lowes: Lumber and lots of other materials
- Harbor Freight: Sandpaper, Drum sanders, Clamps
- Home Depot: Lots of misc stuff.
- Barnett Tool: Stainless hardware; bolts, nuts, deck screws.
- Albany County Fasteners: Stainless deck screws.
- Casino Gaming Supply (CGS): Cup Holders
- McMaster Carr: Stuff
- Amazon: Impact-Resistant UHMW Polyethylene. Router bit kit.