**Project Identity:** Easelectric  
**Week #4**  (02/06/06 – 02/12/06)  
02/17/06  
Jackie Tabor

**Work Completed:**  
This week was spent deciding on how to split up the work load a little better than we have in the past. After taking a closer look on how we have already progressed with the project a few decisions have been made. I researched power supplies for the easel. The power supply wasn’t ordered earlier in the semester because you have to be sure that the right one for the project is purchased. I have done a lot of work so far trying different web sites as well the Jameco and the Big Book to find appropriate power supplies for consideration. Pictures of some of the initial options can be found in my lab notebook. It will take quite a lot of work until I find a suitable power supply. I have to be sure to keep in mind that we want one that will keep 12 volts while maintaining 6 amps. Chris reminded us to keep a graph in mind while doing this research. I will have to keep consulting with Jon as to the specifications that the power supply has to have as he progresses with his calculations for the electrical components.

Another part of the design that I did this week was to file down the pieces of the easel which had rough edges. The pieces of the easel have to be safe as well as secure for the client. It is important to pay close attention to the aesthetics of the easel so that it will look better when we are completely finished fabricating the easel. Getting small things, like filing the edges out to be smooth, out of the way will be an advantage at the end of the project. Below is a picture of the grinding of the pieces that I did this week. The pieces will be fit to the rest of the easel and finally welded into place.
Figure 1: Pieces of easel that needed filing.

Figure 2 shows what the pieces that I was filing should look like after I finishing making them clean edges. Most pieces that I am filing require an immense amount of work since I am doing it by hand.

Future Work:
The future work that will be done is to continue doing research for the power supply and make sure that when I make the order that it is the correct choice for the project. I will also make plans for how to house all the wires in the easel’s design. I will
also continue to file more pieces of the easel so that all the edges are rounded and that the metal itself looks polished. I will also look into getting some levelers that will be attached to the clamps that are attached to the bottom of the table to stabilize the easel for the client.

**Project Review:**

Thus far, I think that the easel is making very much progress. The design features that I am responsible for are the things that are going to make the easel look much better when we are completely finished. The power supply is a very important part of the project and the research that has been done is thorough.

**Hours Worked:**

The hours worked this week was 10.