Easelectric
Group #4

Weekly Report
Week #6
March 3, 2006
Adam Ross
Work Completed

This week, the easel was cleaned up by Jackie and myself and prepared for final welding by Frank over break. Additionally, the 80/20 aluminum tracking was cut to length using a hacksaw and cleaned up on the ends with a grinder. Holes were also drilled in the aluminum by me and Frank to allow for the pins to be put through, completing the major fabrication on the carriage portion. Jon was able to finalize and test his circuitry for actuator control, so we will now be able to finalize the position of the actuators and fabricate mounts for them. The newly cut 80/20 tracking will be attached to the frame over the break by Frank utilizing the end caps that were designed in previous weeks.

Figure 1. Marking Out and Cutting 80/20 Extrusion
Future Work

All that remains for us to finish on the easel is the placement of the actuators, finalizing of the vertical motion, and running the wiring. We need to order one last part from 80/20 along with a power supply and we will be finished with our ordering. Frank will be welding up the remaining parts this weekend, and we should be able to finish the easel up in about 2 weeks.

Project Review

We still seem to be running right on time with about 5 weeks remaining to work after break. Everything’s looking very good and we’re all very optimistic.
Hours Worked

In Lab Time: 4 Hours

Out-of Lab Time: 5 Hours

*Total Time:* 9 Hours