Work Completed:

This week a list was constructed deciding what was left to both purchase and fabricate on the project. I contacted a company that distributes the Meanwell RS-150 power supply that we finally chose. Along with that, the quote that I requested included two more slides for the horizontal motion. I also added to that more clamps to hold on these slides. After the quotes were attained we placed a purchase order for the pieces. The total orders that we completed at the end of last week were a little more than our budget. We made some considerations and made suggestions on how we can make up the difference. A suggestion was that we might return the extra actuator that we have. There are pros and cons to this decision and we’ll have to weight both and see if it is work it. Another part of the list that we created required us to go to the hardware store. Adam and I went to Mansfield supply to purchase some of the remaining materials.
We got more sandpaper to help reduce the size of the rods that I lathed. The vertical motion was getting stuck on the rods causing the actuator to freeze. Hopefully, sanding down the rods will remove this glitch.

We also purchased some ¼” x 2” carriage bolts and lock washers, and cotter pins. The extra length is so that Frank and cut it down if necessary. These will slide into the tracking that we got from 80/20 to provide some extra support. We also purchased an extension cord which is a specification of the easel.

**Future Work:**

In the next week we will be anxiously awaiting the power supply to arrive. Jon and I will be setting up the wiring for the easel and he will put in a purchase order for the final parts that he needs for the electrical work. Frank will be finishing cleaning up the pieces of the easel so that they will be ready to go to paint. A box either needs to be constructed or bought to house the power supply and wiring. Adam will be fabricating
enclosures for the motor and the rest of the parts we have decided that need to be
encased.

**Project Review:**

Thus far, the easel is coming along very close to schedule. It’s exciting to see the parts all together and actually moving with the actuators. There are a few little things that we need to split up and get out of the way. One thing that we need to focus on is how we are going to attach the joystick so that the client can use it efficiently. This week, we should contact Passionworks to get a few last details on the client to make sure that the easel will be perfect for him once he receives it.

**Hours Worked:**

The hours worked this week were 10 - 11.