Week 9 Report

Standing Gardener

Work Completed

This week for the standing gardener a piece was made to hold the knee pads we will be making. This piece connects to the legs of the standing gardener allowing it to be slid up or down so accommodate the client. It will be connected to the two legs in the center of the standing gardener. Also this piece has two slots which run down the length of it to allow the knee pads to be set to different distances apart. With this design the knee pads can be moved wherever the client feels most comfortable. This bracket is shown in figure 1 below.

Figure 1: Knee pad bracket.
Also for the standing gardener pads have been worked on. Currently three designs have been made. The attributes we are looking for are comfortable, aesthetically pleasing, durable, and the one we are struggling with most, water resistant. The pads currently made, look nice and are very comfortable. If we can strengthen them and make them water tight we will have a good design.

**Future Work**

In the future for the standing gardener we will keep working on our pad design. Also we have been looking into table tops to cover the top plate of the standing gardener. We have been through many different materials which are too brittle, too expensive, not corrosion resistant, or not heat resistant. Hopefully this upcoming week we will make a decision on which material we are going to use. We have been given the okay to buy any material as long as it fits our needs. However being engineers we are not taking the expensive easy way out.

**Multi-Terrain Wheelchair**

**Work Completed**

The wheelchair is done, except for a couple thing.

**Future Work**

We will be adding an umbrella holder in the future. Also we need to add foot stabilizers.

**Hours Worked: 5**