Robert Knapp
BME 4910

Week 11 Report

Standing Gardener

Work Completed

This week for the standing gardener parts and materials came in. Last week our table top material came in and was cut to the shape of the top of the gardener. Also a piece has been made which go in the hole of the table top material. This piece will be interchangeable with the pot holder template and will be used to make the standing gardener into a table in case it is to be used for some other than gardening. This piece was made out of the same material as the table cover which is Kleer. A picture of the table cover and hole cover is shown in figure 1 below.

Figure 1: Table top material.
The table top cover will be screwed to the top of the gardener via wood screws. There will go in from the bottom of the top plate. The holes for these screws have been punched through the top of the gardener.

Also pad making has begun. The knee supports which will hold the pads are finished being made except for the holes which will bolt the pad to the support. These holes depend on where the bolts will go in the pads so the pads must be made first. All of the wood blocks for the pads are cut and drilled these are shown in figure two below.

Figure 2: Wood for pads.
Some chest pads and some knee pads are finished being made. The process is as follow. First the cut and drilled wood is placed together with the foam. The bolts are placed into the holes in the wood. Next the foam and wood are covered in saran wrap for extra waterproofing. Finally the pad is covered in its final material. A finished pad and its process of being made is shown in the following three figures 3, 4, and 5.

Figure 3: Wood foam and bolts. 
Figure 4: Saran wrap covered pad. 
Figure 5: Finished pad.
Future Work

Pads will finish being made as well as mounted to the standing gardener. All of the bolts will be replaced in the standing gardener with stainless steel bolts. Also the pot template and pot tray holder will be made.

Mulit-Terrain Wheelchair

Work Completed

Just about done.

Future Work

Acquire and attach foot straps, umbrella holder, and cup holder.

Hours Worked: 14.5