Senior Design 4910

Team 2
Standing Gardener
Multi-Terrain Wheelchair
Team Members

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Products

• Standing Gardener
  – A device which will allow our client to remain in the standing position and be able to do gardening work also.

• Multi-Terrain Wheelchair
  – A device Which will aid our client in moving on snow and sand.
Work Done

• Approval of optimal designs for both devices.
• Finalization and ordering of parts for both devices.
• Ordering of 304 stainless steel for the standing gardener.
• Ordering of aluminum for the multi-terrain wheelchair.
Work Done

- The castor wheels for the standing gardener are polyurethane tread which can hold up to 250 lbs. each.
Work Done

• The pads for the standing gardener are poly foam covered by naugahyde.

  – Poly Foam = Medium Firmness
  – Naugahyde = Waterproof
Work Done

• For the multi-terrain wheelchair two sets of wheels were ordered.
  – Polyurethane, 19.3 inch diameter, 9 inch wide.
  – PVC, 11.8 inch diameter, 7.3 inch wide.
Future Work

• First we will drill holes in the stainless steel tubes and pipes.

• After the holes are finished we will be welding.

• A lot!

• We will weld all of the tubes and pipes to the two sheets of stainless steel.
Standing Gardener
Multi-Terrain Wheelchair