Team: House Rules

Date: Monday, February 14, 2011

Place: SR Learning Center

Leader: Paul Scanlon

Minutes: Tom Enzweiler

**Week 4 Meeting Agenda**

* Mechanical System – 10 minutes
  + Done:
    - Met with Professor Stanisic about parts solutions
    - Used CAD machine to cut HDPE blocks for pulley assembly
    - Received all pulleys/belts/bolts and only waiting on aluminum track to arrive
  + To do:
    - Need to order rollers for x-axis
    - Start construction of XY table – discuss timeline
    - Decide whether to move forward with a smooth or threaded shaft
* Software – 5 minutes
  + Progress update
* Magnetic System – 5 minutes
  + Done:
    - Talked to Professor Seabaugh and can acquire NdFeB magnets for testing
    - Acquired a servo motor for engaging/disengaging magnetic latching
  + To do:
    - Figure out if servo motor can interface with computer through Arduino or if Motor Bee must be used instead
    - Work on acquiring metal sheet to test NdFeB magnet’s ability to latch to metal sheet in all cups
* Plan for upcoming week – 5 minutes
  + Construct as much of the XY table as is possible
  + Continue progress on magnetic latching and software subsystems
* Questions/Comments – 5 minutes