

## G0 Target Turnaround Work Division

### **Caltech:**

1. Extension of loop by 2' (extension piece already exists). (~Jan. 2005)
2. Extension of services internal to the service module (H<sub>2</sub>, He gas and coolant lines, electrical). (Electrical: ~Jan. 2005, Plumbing: ~Aug. 2005)
3. Perform measurements on Ferris wheel, construct template, rotate actuators on service module, and verify clearance with template. (~Jan. 2005)
4. Fabricate new pump housing and impellers for spare motor. (~Mar. 2005)
5. Manufacture new/spare manifold. (~Sept. 2005)
6. Manufacture new/spare cells (communicate with "Precision Jim", solder and plate cell). (~Sept. 2005)
7. Replace pressure sensors on gas panel. (~Sept. 2005).
8. Update "How – to " user manual. (~Aug. 2005)

### **Hall C:**

1. Design and manufacture new beam line spool piece. (Design complete: ~June 2005, Fab complete: ~Sept. 2005)
2. Check that external cryo lines reach new cross position. (Done, Mike Fowler)
3. Repair flyswatter, improve design. (~Sept. 2005)
4. Obtain and install new ballast tank for deuterium. (~Aug. 2005)
5. Investigate motor controller with Barber/Nichols (~Jan. 2005)
6. Support for cryolines, gas & electrical, in Hall C (~Aug. 2005)
7. New dummy target frame (~Aug. 2005)

### **JLab Target Group:**

1. New motor controller (if B/N do not provide new one) (~April 2005)
2. Valve panel on new ballast tank. (~Sept. 2005)

### **Additional items:**

1. Software modification/coordination (Caltech & Jlab)
  - New coordinates, target locations
  - New PID constants for LD<sub>2</sub>