



Jefferson Lab Alignment Group

Data Transmittal

TO: David Green, Mike Bevins, Mike Spata, Paul Hansen

DATE: 25 Jul 2008

FROM: Kelly Tremblay

Checked:

: L1174

DETAILS:

Our records indicate the MBQ magnets were last surveyed in April, 1994. The magnets were placed using optical tooling methods because of sight limitations. All 4 MBQ magnets were set to less than 0.1 millimeters in the X/Y transverse coordinates from their design position except for one Y position which was set at 0.11 mm. Tolerance for this dipole is +/- 0.28 mm. Note that the magnets steel edge is parallel to the south linac and the beam trajectory does not follow a standard "optimized path" of JLab's "C" style magnets. An old 1994/95 sketch (next page) is attached that illustrates the design location and the beam path through the magnet.

