

# ***Jefferson Lab Alignment Group***

## **DATA TRANSMITTAL**

**TO:** Bert Metzger

**DATE:** May 15, 02

**FROM:** C. J. Curtis

**Checked:** # : C771

### **DETAILS:**

Below are the locations of the Hall C pivot post bolt holes which were measured in March 1993. The original survey was carried out using horizontal angles only, and as such there is no information on the vertical position.

Since 1993, the survey network in Hall C has been re-measured several times resulting in a change in coordinates of approx. 1.0mm in Z, and 1.3mm in X. These shifts have been applied to the results in order to approximate a current survey. It should be pointed out that although the accuracy of the original survey was approx +/-0.15mm (1 sigma), given the length of time that has passed and the amount of activity in the Hall no real indication of current accuracy can be given. This should be treated as reference information, therefore, and not as the basis for precision work.

The coordinates are given in millimeters in a right handed system with the Hall C target as origin and the beam as the Z axis.

<b>Point</b>	<b>Z</b>	<b>X</b>
BH1	-478.5	99.8
BH2	-327.4	-364.6
BH3	151.1	-466.6
BH4	477.9	-103.4
BH5	326.3	361.4
BH6	-151.4	463.1