

# Jefferson Lab Alignment Group

## DATA TRANSMITTAL

TO: Steve Lassiter

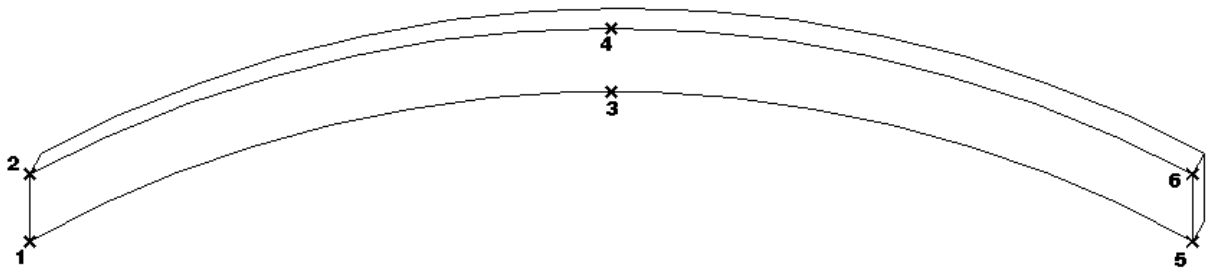
DATE: June 14, 2000

FROM: K. Tremblay / S. Hardisty

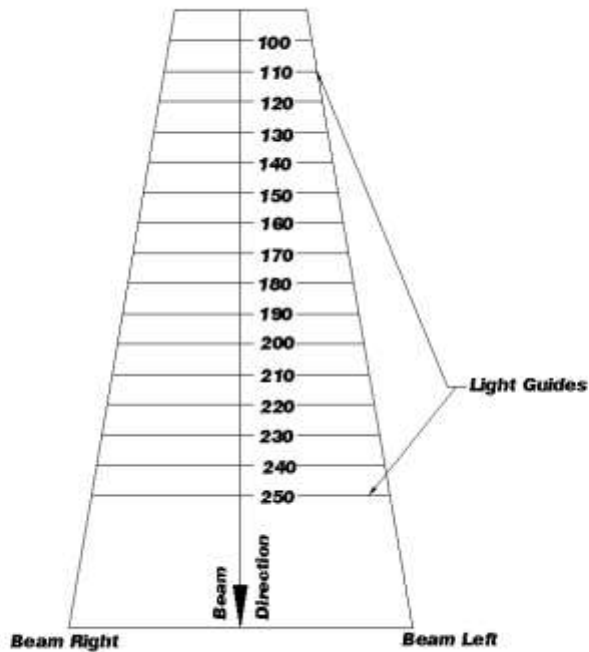
Checked: # : C610

### DETAILS:

The light guide scintillators in the 1<sup>st</sup> G Zero detector were surveyed on May 23, 2000 to check the sag of each guide. The methodology used to determine the sag was to survey 6 points on the each of the guides, and then use the outer 4 points (points 1,2,5 and 6) to form a plane. Deviation from this plane was then determined using the remaining 2 central points (3 and 4), and reported as the amount of sag in millimeters (see page 2).



The light guides were numbered, starting with 100 and increasing by 10, from the upstream end towards the downstream end.



Light Guide Number	Deviations From Plane at Centers	
	Bottom (mm - pt 3)	Top (mm - pt 4)
100	-0.7	-0.3
110	-0.2	-0.1
120	-0.3	-0.2
130	0.1	0.0
140	-0.2	-0.1
150	-0.4	-0.2
160	0.1	0.3
170	0.2	0.2
180	-0.4	-0.3
190	-1.5	-1.4
200	-1.5	-1.5
210	-3.4	-3.5
220	-4.1	-4.3
230	-6.3	-6.2
240	-9.9	-10.0
250	-8.3	-8.4