



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** M. Bevens

**DATE:** 28 Feb 2008

**FROM:** J. Dahlberg

**Checked:** kjt

**# :** U1158

**DETAILS:**

Data: Inspection\NLNC\080222A

Below are the results from the as found survey on the north linac magnet support stands. Values are based on machine coordinates in meters. For each stand, the two inside corners (beam right side), of the base plate and the two inside corners for the support post are given. The base plate corners were measured at the top surface of the plate, and the support posts were measured close to beam height when feasible (some posts were obstructed at beam height). Some of the base plates were hard to access and covered with grout and therefore, the accuracy of the post points is estimated to be within 2 millimeters, and the accuracy of the base plates within 6 millimeters. The downstream end of the downstream flange attached to the differential pump is also listed below.

LOCATION	Z	X	Y	LOCATION	Z	X	Y
DSFLANGE	-214.750	80.601	100.004	6USBRBASE	-204.982	80.778	99.414
1USBRBASE	-213.732	79.456	99.417	6DSBRBASE	-204.467	80.789	99.413
1DSBRBASE	-213.280	79.516	99.417	6USBRPOST	-204.782	80.908	100.104
1USBRPOST	-213.563	79.632	99.917	6DSBRPOST	-204.680	80.908	100.103
1DSBRPOST	-213.463	79.651	99.917	7USBRBASE	-204.283	80.792	99.414
2USBRBASE	-212.545	79.697	99.416	7DSBRBASE	-203.771	80.809	99.413
2DSBRBASE	-212.092	79.744	99.416	7USBRPOST	-204.137	80.992	100.234
2USBRPOST	-212.366	79.869	99.968	7DSBRPOST	-203.934	81.003	100.234
2DSBRPOST	-212.267	79.889	99.968	8USBRBASE	-201.966	80.782	99.414
3USBRBASE	-210.249	80.064	99.421	8DSBRBASE	-201.459	80.798	99.414
3DSBRBASE	-209.796	80.123	99.423	8USBRPOST	-201.780	80.904	99.913
3USBRPOST	-210.141	80.237	100.019	8DSBRPOST	-201.677	80.904	99.913
3DSBRPOST	-209.938	80.266	100.020	9USBRBASE	-200.769	80.798	99.414
4USBRBASE	-208.564	80.644	99.414	9DSBRBASE	-200.262	80.786	99.413
4DSBRBASE	-208.059	80.700	99.413	9USBRPOST	-200.561	80.903	100.024
4USBRPOST	-208.414	80.771	100.087	9DSBRPOST	-200.458	80.903	100.024
4DSBRPOST	-208.213	80.802	100.086				
5USBRBASE	-206.272	80.806	99.413				
5DSBRBASE	-205.757	80.821	99.413				
5USBRPOST	-206.123	81.008	100.661				
5DSBRPOST	-205.920	81.017	100.661				