



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Fischer

DATE: 25 Apr 2012

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Checked:

: M1449

DETAILS:

Below are the results from the survey inspection carried out on the SRF cavity alignment fixtures. A right handed coordinate system was established based on the center of the support rails the fixtures were resting on. The origin is centered on the right rail where the fixture is locked in the X and Y direction. Values are in inches.

FIXTURE 1

LOCATION	X	Y	Z	DIAMETER
BEAM RIGHT RAIL CENTER	0.000	0.000	0.000	1.999
BEAM LEFT RAIL CENTER	33.972	0.000	0.000	1.999
TOP BEAM RIGHT SURVEY POINT	-19.497	32.493	-0.223	2.251
TOP BEAM LEFT SURVEY POINT	53.508	32.489	-0.262	2.248
X DIST BETWEEN SURVEY POINTS	73.005			

FIXTURE 2

LOCATION	X	Y	Z	DIAMETER
BEAM RIGHT RAIL CENTER	0.000	0.000	0.000	2.000
BEAM LEFT RAIL CENTER	33.992	0.000	0.000	1.999
TOP BEAM RIGHT SURVEY POINT	-19.494	32.491	-0.192	2.250
TOP BEAM LEFT SURVEY POINT	53.514	32.500	-0.226	2.248
X DIST BETWEEN SURVEY POINTS	73.007			