



Jefferson Lab Alignment Group

Data Transmittal

TO: S. Mandal

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FROM: Jacob Walker

Checked:

: B1611

DETAILS:

M:\align\DATA\Inspection\HallB\SVT\150313A

Below are the results of the recent Hall B SVT Region 2 inspection. The coordinate system was established using the following: The XY plane was established on the face of the upstream flange. Roll was controlled by a line between survey marks 2 and 3. And the origin was established as the center of the constructed circle through the three survey marks. A positive Y is up, a positive X is beam left and a positive Z is downstream. All values are in mm.

TRANSFORMED	Measured coordinates			CAD Ideal			Deltas from CAD Ideals		
Name	X	Y	Z	X	Y	Z	DX	DY	DZ
Cu Circle	0.14	0.08	504.48		0.00	0.00		0.14	0.08
Peek Circle	0.08	-0.01	907.63		0.00	0.00		0.08	-0.01
Cu Pin									
1	0.25	93.00	504.47		0.00	93.01	504.30	0.25	-0.01
2	40.62	83.75	504.51		40.35	83.80	504.30	0.27	-0.05
4	90.87	20.59	504.48		90.67	20.70	504.30	0.20	-0.10
5	90.71	-20.63	504.54		90.67	-20.70	504.30	0.04	0.06
7	40.35	-83.66	504.48		40.35	-83.80	504.30	-0.01	0.13
8	-0.02	-92.85	504.48		0.00	-93.01	504.30	-0.02	0.16
9	-40.34	-83.62	504.48		-40.35	-83.80	504.30	0.01	0.18
11	-90.53	-20.58	504.41		-90.67	-20.70	504.30	0.14	0.12
12	-90.47	20.80	504.45		-90.67	20.70	504.30	0.21	0.10
14	-40.06	83.82	504.50		-40.35	83.80	504.30	0.29	0.02
Peek pin									
1	-0.05	92.82	907.66		0.00	93.01	907.43	-0.05	-0.18
2	40.41	83.77	907.59		40.35	83.80	907.43	0.05	-0.03
4	90.57	20.99	907.61		90.67	20.70	907.43	-0.10	0.30
5	90.68	-20.41	907.69		90.67	-20.70	907.43	0.00	0.28
7	40.48	-83.52	907.66		40.35	-83.80	907.43	0.13	0.28
8	0.17	-92.87	907.55		0.00	-93.01	907.43	0.17	0.14
9	-40.29	-83.79	907.74		-40.35	-83.80	907.43	0.06	0.00
11	-90.43	-20.86	907.60		-90.67	-20.70	907.43	0.24	-0.16
12	-90.48	20.50	907.63		-90.67	20.70	907.43	0.19	-0.20
14	-40.19	83.59	907.61		-40.35	83.80	907.43	0.16	-0.21