Jefferson Lab Alignment Group

Data Transmittal

TO: R. Getz, B. Malzof		**DATE:** 10 Nov 2014
FROM: Chris Gould	**Checked:**	**# :** B1587

DETAILS:

Step2A\HALLB\HPS\140815A
Inspection\HallB\I-BEAM AS-FOUNDS\141106A
Step2B\HALLB\HPS\140814A

Below are the Hall B Level 1 and Subway (solenoid) rail elevations. The coordinates are in the CEBAF Mechanical system and in meters. The deltas are the differences from ideal beam height.

Level 1	CEBAF MECH				Ideal E- Beam Elevation	Delta
	X	Y	Z		Y	Y
BL1	-81.338	101.17355	-387.898		103.35526	-2.18171
BL2	-81.338	101.17262	-389.247		103.35526	-2.18264
BL3	-81.338	101.17254	-391.118		103.35526	-2.18272
BL4	-81.338	101.17352	-392.876		103.35526	-2.18174
BL5	-81.337	101.17611	-394.558		103.35526	-2.17915
BL6	-81.333	101.18216	-396.784		103.35526	-2.17310
BR1	-79.867	101.17363	-387.666		103.35526	-2.18163
BR2	-79.863	101.17484	-389.634		103.35526	-2.18042
BR3	-79.865	101.17490	-390.395		103.35526	-2.18036
BR4	-79.865	101.17567	-392.791		103.35526	-2.17959
BR5	-79.865	101.17903	-394.919		103.35526	-2.17623
BR6	-79.864	101.18296	-396.758		103.35526	-2.17230

Subway	CEBAF MECH				Ideal E- Beam Elevation	Delta
(solenoid)	X	Y	Z		Y	Y
BR_Y1	-80.190	100.03663	-399.870		103.35526	-3.31863
BR_Y2	-80.191	100.03631	-399.347		103.35526	-3.31895
BR_Y3	-80.193	100.03610	-398.817		103.35526	-3.31916
BR_Y4	-80.195	100.03614	-398.404		103.35526	-3.31912
BR_Y5	-80.195	100.03608	-397.984		103.35526	-3.31918
BR_Y6	-80.194	100.03595	-397.618		103.35526	-3.31931
BR_Y7	-80.191	100.03627	-397.313		103.35526	-3.31899
BR_Y8	-80.193	100.03622	-396.916		103.35526	-3.31904
BR_Y9	-80.194	100.03612	-396.602		103.35526	-3.31914
BR_Y10	-80.190	100.03624	-396.181		103.35526	-3.31902
BR_Y11	-80.191	100.03625	-395.745		103.35526	-3.31901
BR_Y12	-80.196	100.03648	-395.366		103.35526	-3.31878
BR_Y13	-80.198	100.03630	-394.965		103.35526	-3.31896
BR_Y14	-80.195	100.03626	-394.541		103.35526	-3.31900
BR_Y15	-80.194	100.03633	-394.170		103.35526	-3.31893
BR_Y16	-80.191	100.03670	-393.650		103.35526	-3.31856
BR_Y17	-80.188	100.03672	-393.194		103.35526	-3.31854
BR_Y18	-80.191	100.03666	-392.744		103.35526	-3.31860
BR_Y19	-80.191	100.03659	-392.306		103.35526	-3.31867
BR_Y20	-80.193	100.03643	-391.979		103.35526	-3.31883
BR_Y21	-80.192	100.03644	-391.696		103.35526	-3.31882
BL_Y1	-81.005	100.03763	-400.052		103.35526	-3.31763
BL_Y2	-81.010	100.03687	-399.726		103.35526	-3.31839
BL_Y3	-81.009	100.03560	-399.345		103.35526	-3.31966
BL_Y4	-81.006	100.03540	-398.909		103.35526	-3.31986
BL_Y5	-81.012	100.03586	-398.458		103.35526	-3.31940
BL_Y6	-81.006	100.03567	-397.960		103.35526	-3.31959
BL_Y7	-81.012	100.03543	-397.483		103.35526	-3.31983
BL_Y8	-81.009	100.03516	-397.108		103.35526	-3.32010
BL_Y9	-81.012	100.03520	-396.723		103.35526	-3.32006
BL_Y10	-81.003	100.03547	-396.343		103.35526	-3.31979
BL_Y11	-81.007	100.03630	-395.899		103.35526	-3.31896
BL_Y12	-81.012	100.03673	-395.454		103.35526	-3.31853
BL_Y13	-81.012	100.03660	-394.980		103.35526	-3.31866
BL_Y14	-81.011	100.03588	-394.543		103.35526	-3.31938
BL_Y15	-81.003	100.03568	-394.067		103.35526	-3.31958
BL_Y16	-81.012	100.03593	-393.659		103.35526	-3.31933
BL_Y17	-81.008	100.03624	-393.277		103.35526	-3.31902
BL_Y18	-81.009	100.03642	-392.899		103.35526	-3.31884
BL_Y19	-81.005	100.03660	-392.457		103.35526	-3.31866
BL_Y20	-81.008	100.03670	-392.140		103.35526	-3.31856
BL_Y21	-81.007	100.03664	-391.710		103.35526	-3.31862