Jefferson Lab — Accelerator Division, Institute for SRF Science & Technology

DATE=4/27/2009 TIME=8:34:12 AM

**********Overall lenght**********

MM	DIM LOC1= LOCATION OF POINT PNT2					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
Y	1247.400	0.000	0.000	1250.877	3.477	3.477

**********Pi Flange**********

MM	DIM LOC2= LOCATION OF POINT PNT7					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
X	-88.000	0.200	0.200	-88.111	-0.111	0.000
Z	0.000	0.200	0.200	-0.423	-0.423	0.223

**********End Flange(Pi) Perpendicularity********

MM	DIM PERP1= PERPEND OF PLANE PLN2,RFS TO LINE CL_FINAL,RFS EXTEND=0.000					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.000	0.000	0.737	0.737	0.737

**********End Flange(Pt)Perpendicularity**********

MM	DIM PERP2= PERPEND OF PLANE PLN5,RFS TO LINE CL_FINAL,RFS EXTEND=0.000					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.000	0.000	0.813	0.813	0.813

**********Pt flange height**********

MM	DIM LOC3= LOCATION OF POINT PNT3					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
X	53.800	0.200	0.200	54.247	0.447	0.247

**********Distance Between Pi flange and Cell1********

MM	DIM DIST1= 2D DISTANCE FROM CIRCLE CELL1 TO POINT PNT7 PAR TO YAXIS					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	100.100	0.254	0.254	101.829	1.729	1.475

**********Cell concentricities**********

MM	DIM CONCEN10= CONCENTRICITY FROM CIRCLE CELL1 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	2.397	2.397	1.997

MM	DIM CONCEN2= CONCENTRICITY FROM CIRCLE CELL2 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	3.293	3.293	2.893

MM	DIM CONCEN3= CONCENTRICITY FROM CIRCLE CELL3 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	3.990	3.990	3.590

◎ MM	DIM CONCEN4= CONCENTRICITY FROM CIRCLE CELL4 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	4.325	4.325	3.925

◎ MM	DIM CONCEN5= CONCENTRICITY FROM CIRCLE CELL5 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	4.928	4.928	4.528

◎ MM	DIM CONCEN6= CONCENTRICITY FROM CIRCLE CELL6 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	4.939	4.939	4.539

◎ MM	DIM CONCEN7= CONCENTRICITY FROM CIRCLE CELL7 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	4.726	4.726	4.326

◎ MM	DIM CONCEN8= CONCENTRICITY FROM CIRCLE CELL8 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	3.910	3.910	3.510

◎ MM	DIM CONCEN9= CONCENTRICITY FROM CIRCLE CELL9 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	2.247	2.247	1.847

**********End flange(Pi) concentricity**********

◎ MM	DIM CONCEN9= CONCENTRICITY FROM CIRCLE CIR3 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	0.079	0.079	0.000

**********End flange(Pt) concentricity**********

◎ MM	DIM CONCEN9= CONCENTRICITY FROM CIRCLE CIR4 TO LINE CL_FINAL					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0.000	0.400	0.000	0.108	0.108	0.000

END OF MEASUREMENT FOR

PN=4904010MD440001 DWG=R2.0 SN=ILC-AES9

TOTAL # OF MEAS =18 # OUT OF TOL =15 # OF HOURS =00:00:00