DATE=3/28/2007 TIME=9:20:36 AM
PART NAME : ILC AES 1.3GHZ RF CAVITY ASSEMBLY 180 AES004 IR
REV NUMBER :
SER NUMBER :
STATS COUNT : 1

'Inspected by' : Robert Riley
'Cavity Number' : AES 004 180 RUN 1

BEAM PIPE FLANGE NEAR

MM	DIM LOC1= LOCATION OF PLANE PL-NEAR-END-FLANGE					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	0.000	0.000	0.000	0.200	0.200	0.000
V	-0.001	-1.000	0.000			
FL	0.000	0.036	0.036	0.200	0.000	0.000

// MM	DIM PARL1= PARALLEL OF PLANE PL-NEAR-END-FLANGE,RFS TO WORKPLANE YMINUS EXTEND=0.000					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.100	0.100	0.200	0.000	0.000

DEG	DIM ANGL1= 3D ANGLE (COMPLEMENT) FROM PLANE PL-NEAR-END-FLANGE TO YAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	0.000	0.044	0.044	0.100	0.100	0.000

MM	DIM LOC2= LOCATION OF CIRCLE CR-NEAR-END -FLANGE					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.085	-0.085	0.200	0.200	0.000
Z	0.000	0.029	0.029	0.200	0.200	0.000
D	140.000	140.005	0.005	0.300	0.300	0.000
RN	0.000	0.017	0.017	0.200	0.000	0.000

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BEAM PIPE FLANGE FAR

MM	DIM LOC3= LOCATION OF PLANE PL-FAR-END					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	1283.400	1272.509	-10.891	3.000	3.000	7.891
V	-0.002	1.000	-0.001			
FL	0.000	0.044	0.044	0.200	0.000	0.000

// MM	DIM PARL2= PARALLEL OF PLANE PL-FAR-END,RFS TO WORKPLANE YMINUS EXTEND=0.000					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.341	0.341	0.200	0.000	0.141

DEG	DIM ANGL2= 3D ANGLE (COMPLEMENT) FROM PLANE PL-FAR-END TO YAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	0.000	0.158	0.158	0.100	0.100	0.058

MM	DIM LOC4= LOCATION OF CIRCLE CR-FAR-END					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.233	-0.233	0.200	0.200	0.033
Z	0.000	-0.035	-0.035	0.200	0.200	0.000
D	140.000	140.025	0.025	0.300	0.300	0.000
RN	0.000	0.036	0.036	0.200	0.000	0.000

DATUM-1-PLANE

MM	DIM LOC-DATUM-1-PLANE= LOCATION OF PLANE PLC-DAT-1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	128.800	127.181	-1.619	0.200	0.200	1.419
V	0.001	-1.000	-0.002			
FL	0.000	0.070	0.070	0.200	0.000	0.000

// MM	DIM PARL5= PARALLEL OF PLANE PLC-DAT-1,RFS TO WORKPLANE YMINUS EXTEND=0.000					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.266	0.266	0.200	0.000	0.066

DEG	DIM ANGL7= 3D ANGLE (TRUE) FROM PLANE PLC-DAT-1 TO YAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	0.000	0.139	0.139	0.100	0.100	0.039

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DATUM-2-PLANE

MM	DIM LOC-DATUM-2-PLANE= LOCATION OF PLANE PLC-DAT-2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	1190.000	1183.914	-6.086	0.200	0.200	5.886
V	0.000	1.000	-0.002			
FL	0.000	0.076	0.076	0.200	0.000	0.000

// MM	DIM PARL6= PARALLEL OF PLANE PLC-DAT-2,RFS TO WORKPLANE YMINUS EXTEND=0.000					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.267	0.267	0.200	0.000	0.067

DEG	DIM ANGL8= 3D ANGLE (TRUE) FROM PLANE PLC-DAT-2 TO YAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	0.000	0.141	0.141	0.100	0.100	0.041

PICKUP ANTENNA FLANGE NW8

MM	DIM LOC5= LOCATION OF PLANE PL-NW8-ANTENNA-FLANGE					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-53.800	-54.238	-0.438	0.200	0.200	0.238
V	-1.000	0.004	-0.001			
FL	0.000	0.006	0.006	0.200	0.000	0.000

// MM	DIM PARL3= PARALLEL OF PLANE PL-NW8-ANTENNA-FLANGE,RFS TO WORKPLANE XMINUS EXTEND=0.000					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.103	0.103	0.200	0.000	0.000

DEG	DIM ANGL3= 3D ANGLE (TRUE) FROM PLANE PL-NW8-ANTENNA-FLANGE TO XAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	0.000	0.216	0.216	0.100	0.100	0.116

MM	DIM LOC6= LOCATION OF CIRCLE CR-NW8-ANTENNA-FLANGE					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	96.600	96.786	0.186	0.200	0.200	0.000
Z	0.000	-0.664	-0.664	0.200	0.200	0.464
D	33.808	33.817	0.009	0.150	0.000	0.000
RN	0.000	0.013	0.013	0.150	0.000	0.000

MAIN COUPLER FLANGE NW40

MM	DIM LOC7= LOCATION OF PLANE PL-NW-40-FLANGE					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	88.000	88.067	0.067	0.200	0.200	0.000
V	1.000	0.003	-0.013			
FL	0.000	0.016	0.016	0.200	0.000	0.000

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// MM	DIM PARL4= PARALLEL OF PLANE PL-NW-40-FLANGE,RFS TO WORKPLANE XMINUS EXTEND=0.000					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.842	0.842	0.200	0.000	0.642

DEG	DIM ANGL4= 3D ANGLE (TRUE) FROM PLANE PL-NW-40-FLANGE TO XAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	0.000	0.774	0.774	0.100	0.100	0.674

MM	DIM LOC8= LOCATION OF CIRCLE CR-NW-40-FLANGE					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	1222.800	1213.614	-9.186	0.200	0.200	8.986
Z	0.000	-1.203	-1.203	0.200	0.200	1.003
D	76.000	76.024	0.024	0.200	0.000	0.000
RN	0.000	0.011	0.011	0.200	0.000	0.000

MM	DIM DIST1= 2D DISTANCE FROM CIRCLE CR-NW-40-FLANGE TO PLANE PL-FAR-END PAR TO YAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	60.600	58.895	-1.705	0.200	0.200	1.505

HOM-1 FLANGE NW12

MM	DIM FLAT1= FLATNESS OF PLANE PL-NW12-FLANGE-HOM1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.001	0.001	0.200	0.000	0.000

DEG	DIM ANGL16= 2D ANGLE (TRUE) FROM PLANE PL-NW12-FLANGE-HOM1 TO ZAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	15.000	15.456	0.456	0.500	0.500	0.000

DEG	DIM ANGL17= 2D ANGLE (COMPLEMENT) FROM PLANE PL-NW12-FLANGE-HOM1 TO ZAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	30.000	29.409	-0.591	0.500	0.500	0.091

MM	DIM LOC= LOCATION OF CIRCLE CR-NW12-FLANGE-HOM1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	38.596	38.596	100.000	100.000	0.000
Y	0.000	93.405	93.405	100.000	100.000	0.000
Z	0.000	-62.480	-62.480	100.000	100.000	0.000
D	33.800	33.862	0.062	0.150	0.000	0.000
RN	0.000	0.028	0.028	0.150	0.000	0.000

HOM-2 FLANGE NW12

MM	DIM = FLATNESS OF PLANE PL-NW12-FLANGE-HOM-2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.002	0.002	0.200	0.000	0.000

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DEG	DIM ANGL5= 2D ANGLE (COMPLEMENT) FROM PLANE PL-NW12-FLANGE-HOM-2 TO ZAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	15.000	17.991	2.991	0.500	0.500	2.491

DEG	DIM ANGL6= 2D ANGLE (TRUE) FROM PLANE PL-NW12-FLANGE-HOM-2 TO ZAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	35.000	34.004	-0.996	0.500	0.500	0.496

MM	DIM LOC9= LOCATION OF CIRCLE CR-NW12-FLANGE-HOM-2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-72.413	-72.413	100.000	100.000	0.000
Y	0.000	1219.518	1219.518	2000.000	2000.000	0.000
Z	0.000	-8.084	-8.084	100.000	100.000	0.000
D	33.800	33.842	0.042	0.150	0.000	0.000
RN	0.000	0.009	0.009	0.150	0.000	0.000

HOM 1 LOCATION

MM	DIM LOC-HOM1= LOCATION OF CYLINDER CY-HOM-1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	69.288	69.288	100.000	100.000	0.000
Y	96.600	96.547	-0.053	0.200	0.200	0.000
Z	0.000	-38.712	-38.712	100.000	100.000	0.000
D	44.000	43.743	-0.257	0.000	0.100	0.157
RN	0.000	0.201	0.201	0.100	0.000	0.101
V	-0.871	0.002	0.490			

DEG	DIM ANGL9= 3D ANGLE (COMPLEMENT) FROM CYLINDER CY-HOM-1 TO XAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	30.000	29.368	-0.632	0.500	0.500	0.132

DEG	DIM ANGL10= 3D ANGLE (TRUE) FROM CYLINDER CY-HOM-1 TO YAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	90.000	89.880	-0.120	0.500	0.500	0.000

DEG	DIM ANGL11= 3D ANGLE (TRUE) FROM CYLINDER CY-HOM-1 TO ZAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	60.000	60.633	0.633	0.500	0.500	0.133

MM	DIM LOC-HOM3= LOCATION OF POINT PT-RT-HOM-1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
PR	116.000	116.326	0.326	0.200	0.200	0.126

INTERSECTION OF HOM1 & YZ PLANE

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MM	DIM LOC-HOM1 X PLANE= LOCATION OF POINT PTC-HOM1 X YZ PLANE					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	0.000	0.000	0.200	0.200	0.000
Y	96.000	96.713	0.713	0.200	0.200	0.513
Z	0.000	0.278	0.278	0.200	0.200	0.078

HOM 2 LOCATION

MM	DIM LOC-HOM2= LOCATION OF CYLINDER CY-HOM-2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-65.209	-65.209	100.000	100.000	0.000
Y	1222.800	1216.184	-6.616	3.000	3.000	3.616
Z	0.000	-44.226	-44.226	100.000	100.000	0.000
D	44.000	43.828	-0.172	0.000	0.100	0.072
RN	0.000	0.135	0.135	0.100	0.000	0.035
V	-0.828	-0.003	-0.560			

MM	DIM DIST2= 2D DISTANCE FROM POINT PT-HOM-2 TO PLANE PL-FAR-END PAR TO YAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	60.600	55.111	-5.489	0.200	0.200	5.289

DEG	DIM ANGL12= 3D ANGLE (TRUE) FROM CYLINDER CY-HOM-2 TO XAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	35.000	34.057	-0.943	0.500	0.500	0.443

DEG	DIM ANGL13= 3D ANGLE (COMPLEMENT) FROM CYLINDER CY-HOM-2 TO YAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	90.000	90.157	0.157	0.500	0.500	0.000

DEG	DIM ANGL14= 3D ANGLE (TRUE) FROM CYLINDER CY-HOM-2 TO ZAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	55.000	55.943	0.943	0.500	0.500	0.443

MM	DIM LOC-HOM4= LOCATION OF POINT PT-HOM-2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
PR	116.000	116.354	0.354	0.200	0.200	0.154

INTERSECTION OF HOM2 & YZ PLANE

MM	DIM LOC-HOM2 X PLANE= LOCATION OF POINT PTC-HOM2 X YZ PLANE					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	0.000	0.000	0.200	0.200	0.000
Y	1222.800	1216.400	-6.400	3.000	3.000	3.400
Z	0.000	-0.148	-0.148	0.200	0.200	0.000

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LOCATIONS OF CONSTRUCTED CIRCLES
ON 18 HALF CELLS & 2 DATUM SURFACES & 2 VACUUM SURFACES

MM DIM LOC-CC1= LOCATION OF CIRCLE CRC-DAT-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	0.000	0.000	0.200	0.200	0.000
Y	0.000	129.038	129.038	2000.000	2000.000	0.000
Z	0.000	0.000	0.000	0.200	0.200	0.000
D	111.000	110.680	-0.320	0.200	0.200	0.120
RN	0.000	0.067	0.067	0.200	0.000	0.000

MM DIM LOC-CC2= LOCATION OF CIRCLE CRC-VAC-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.017	-0.017	0.200	0.200	0.000
Y	0.000	157.199	157.199	2000.000	2000.000	0.000
Z	0.000	0.083	0.083	0.200	0.200	0.000
D	191.200	191.294	0.094	0.200	0.200	0.000
RN	0.000	0.050	0.050	0.200	0.000	0.000

MM DIM LOC-CC3= LOCATION OF CIRCLE CRC-CAV-1-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.140	-0.140	0.200	0.200	0.000
Y	0.000	192.166	192.166	2000.000	2000.000	0.000
Z	0.000	0.194	0.194	0.200	0.200	0.000
D	210.300	211.079	0.779	0.200	0.200	0.579
RN	0.000	0.151	0.151	0.200	0.000	0.000

MM DIM LOC-CC4= LOCATION OF CIRCLE CRC-CAV-1-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.120	-0.120	0.200	0.200	0.000
Y	0.000	200.356	200.356	2000.000	2000.000	0.000
Z	0.000	0.185	0.185	0.200	0.200	0.000
D	210.300	211.034	0.734	0.200	0.200	0.534
RN	0.000	0.157	0.157	0.200	0.000	0.000

MM DIM LOC-CC5= LOCATION OF CIRCLE CRC-CAV-2-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.101	-0.101	0.200	0.200	0.000
Y	0.000	307.674	307.674	2000.000	2000.000	0.000
Z	0.000	0.359	0.359	0.200	0.200	0.159
D	210.300	211.483	1.183	0.200	0.200	0.983
RN	0.000	0.197	0.197	0.200	0.000	0.000

MM DIM LOC-CC6= LOCATION OF CIRCLE CRC-CAV-2-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.123	-0.123	0.200	0.200	0.000
Y	0.000	315.878	315.878	2000.000	2000.000	0.000
Z	0.000	0.372	0.372	0.200	0.200	0.172
D	210.300	211.399	1.099	0.200	0.200	0.899
RN	0.000	0.167	0.167	0.200	0.000	0.000

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MM DIM LOC-CC7= LOCATION OF CIRCLE CRC-CAV-3-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.167	-0.167	0.200	0.200	0.000
Y	0.000	422.834	422.834	2000.000	2000.000	0.000
Z	0.000	0.480	0.480	0.200	0.200	0.280
D	210.300	211.433	1.133	0.200	0.200	0.933
RN	0.000	0.248	0.248	0.200	0.000	0.048

MM DIM LOC-CC8= LOCATION OF CIRCLE CRC-CAV-3-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.107	-0.107	0.200	0.200	0.000
Y	0.000	430.941	430.941	2000.000	2000.000	0.000
Z	0.000	0.565	0.565	0.200	0.200	0.365
D	210.300	211.266	0.966	0.200	0.200	0.766
RN	0.000	0.183	0.183	0.200	0.000	0.000

MM DIM LOC-CC9= LOCATION OF CIRCLE CRC-CAV-4-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.170	-0.170	0.200	0.200	0.000
Y	0.000	537.619	537.619	2000.000	2000.000	0.000
Z	0.000	0.702	0.702	0.200	0.200	0.502
D	210.300	211.400	1.100	0.200	0.200	0.900
RN	0.000	0.183	0.183	0.200	0.000	0.000

MM DIM LOC-CC10= LOCATION OF CIRCLE CRC-CAV-4-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.190	-0.190	0.200	0.200	0.000
Y	0.000	545.695	545.695	2000.000	2000.000	0.000
Z	0.000	0.684	0.684	0.200	0.200	0.484
D	210.300	211.364	1.064	0.200	0.200	0.864
RN	0.000	0.126	0.126	0.200	0.000	0.000

MM DIM LOC-CC11= LOCATION OF CIRCLE CRC-CAV-5-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.210	-0.210	0.200	0.200	0.010
Y	0.000	652.964	652.964	2000.000	2000.000	0.000
Z	0.000	0.726	0.726	0.200	0.200	0.526
D	210.300	211.601	1.301	0.200	0.200	1.101
RN	0.000	0.144	0.144	0.200	0.000	0.000

MM DIM LOC-CC12= LOCATION OF CIRCLE CRC-CAV-5-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.127	-0.128	0.200	0.200	0.000
Y	0.000	661.281	661.281	2000.000	2000.000	0.000
Z	0.000	0.714	0.714	0.200	0.200	0.514
D	210.300	211.536	1.236	0.200	0.200	1.036
RN	0.000	0.227	0.227	0.200	0.000	0.027

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MM DIM LOC-CC13= LOCATION OF CIRCLE CRC-CAV-6-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.157	-0.157	0.200	0.200	0.000
Y	0.000	768.113	768.113	2000.000	2000.000	0.000
Z	0.000	0.663	0.663	0.200	0.200	0.463
D	210.300	211.517	1.217	0.200	0.200	1.017
RN	0.000	0.162	0.162	0.200	0.000	0.000

MM DIM LOC-CC14= LOCATION OF CIRCLE CRC-CAV-6-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.211	-0.211	0.200	0.200	0.011
Y	0.000	776.196	776.196	2000.000	2000.000	0.000
Z	0.000	0.638	0.637	0.200	0.200	0.437
D	210.300	211.446	1.146	0.200	0.200	0.946
RN	0.000	0.179	0.179	0.200	0.000	0.000

MM DIM LOC-CC15= LOCATION OF CIRCLE CRC-CAV-7-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.179	-0.179	0.200	0.200	0.000
Y	0.000	883.127	883.127	2000.000	2000.000	0.000
Z	0.000	0.476	0.475	0.200	0.200	0.275
D	210.300	211.453	1.153	0.200	0.200	0.953
RN	0.000	0.295	0.295	0.200	0.000	0.095

MM DIM LOC-CC16= LOCATION OF CIRCLE CRC-CAV-7-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.154	-0.154	0.200	0.200	0.000
Y	0.000	891.220	891.220	2000.000	2000.000	0.000
Z	0.000	0.556	0.556	0.200	0.200	0.356
D	210.300	211.383	1.083	0.200	0.200	0.883
RN	0.000	0.208	0.208	0.200	0.000	0.008

MM DIM LOC-CC17= LOCATION OF CIRCLE CRC-CAV-8-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.199	-0.200	0.200	0.200	0.000
Y	0.000	997.795	997.795	2000.000	2000.000	0.000
Z	0.000	0.374	0.374	0.200	0.200	0.174
D	210.300	211.357	1.057	0.200	0.200	0.857
RN	0.000	0.202	0.202	0.200	0.000	0.002

MM DIM LOC-CC18= LOCATION OF CIRCLE CRC-CAV-8-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.153	-0.153	0.200	0.200	0.000
Y	0.000	1005.804	1005.804	2000.000	2000.000	0.000
Z	0.000	0.373	0.373	0.200	0.200	0.173
D	210.300	211.452	1.152	0.200	0.200	0.952
RN	0.000	0.192	0.192	0.200	0.000	0.000

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MM DIM LOC-CC19= LOCATION OF CIRCLE CRC-CAV-9-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.245	-0.245	0.200	0.200	0.045
Y	0.000	1112.857	1112.857	2000.000	2000.000	0.000
Z	0.000	0.190	0.190	0.200	0.200	0.000
D	210.300	211.050	0.750	0.200	0.200	0.550
RN	0.000	0.115	0.115	0.200	0.000	0.000

MM DIM LOC-CC20= LOCATION OF CIRCLE CRC-CAV-9-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.111	-0.112	0.200	0.200	0.000
Y	0.000	1120.919	1120.919	2000.000	2000.000	0.000
Z	0.000	0.141	0.141	0.200	0.200	0.000
D	210.300	210.909	0.609	0.200	0.200	0.409
RN	0.000	0.206	0.206	0.200	0.000	0.006

MM DIM LOC-CC21= LOCATION OF CIRCLE CRC-VAC-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.035	-0.035	0.200	0.200	0.000
Y	0.000	1150.855	1150.855	2000.000	2000.000	0.000
Z	0.000	0.069	0.068	0.200	0.200	0.000
D	200.000	200.088	0.088	0.200	0.200	0.000
RN	0.000	0.069	0.069	0.200	0.000	0.000

MM DIM LOC-CC22= LOCATION OF CIRCLE CRC-DAT-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	0.000	0.000	0.200	0.200	0.000
Y	0.000	1181.841	1181.841	2000.000	2000.000	0.000
Z	0.000	0.000	0.000	0.200	0.200	0.000
D	110.999	110.781	-0.219	0.200	0.200	0.019
RN	0.000	0.083	0.083	0.200	0.000	0.000

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TRUE POSITIONS OF CONSTRUCTED CIRCLES
ON 18 HALF CELLS & 2 DATUM SURFACES & 2 VACUUM SURFACES

⊕ MM DIM LOC-TP-CC1= TRUE POSITION OF CIRCLE CRC-DAT-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	0.000	0.000				
Z	0.000	0.000	0.000				
TP	RFS		0.000	0.200		0.000	0.000

⊕ MM DIM LOC-TP-CC2= TRUE POSITION OF CIRCLE CRC-VAC-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.017	-0.017				
Z	0.000	0.083	0.083				
TP	RFS		0.169	0.200		0.000	0.000

⊕ MM DIM LOC-TP-CC3= TRUE POSITION OF CIRCLE CRC-CAV-1-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.140	-0.140				
Z	0.000	0.194	0.194				
TP	RFS		0.478	0.200		0.000	0.278

⊕ MM DIM LOC-TP-CC4= TRUE POSITION OF CIRCLE CRC-CAV-1-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.120	-0.120				
Z	0.000	0.185	0.185				
TP	RFS		0.440	0.200		0.000	0.240

⊕ MM DIM LOC-TP-CC5= TRUE POSITION OF CIRCLE CRC-CAV-2-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.101	-0.101				
Z	0.000	0.359	0.359				
TP	RFS		0.747	0.200		0.000	0.547

⊕ MM DIM LOC-TP-CC6= TRUE POSITION OF CIRCLE CRC-CAV-2-2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.123	-0.123				
Z	0.000	0.372	0.372				
TP	RFS		0.783	0.200		0.000	0.583

⊕ MM DIM LOC-TP-CC7= TRUE POSITION OF CIRCLE CRC-CAV-3-1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.167	-0.167				
Z	0.000	0.480	0.480				
TP	RFS		1.016	0.200		0.000	0.816

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⊕ MM	DIM LOC-TP-CC8= TRUE POSITION OF CIRCLE CRC-CAV-3-2						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.107	-0.107				
Z	0.000	0.565	0.565				
TP	RFS		1.150	0.200		0.000	0.950

⊕ MM	DIM LOC-TP-CC9= TRUE POSITION OF CIRCLE CRC-CAV-4-1						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.170	-0.170				
Z	0.000	0.702	0.702				
TP	RFS		1.445	0.200		0.000	1.245

⊕ MM	DIM LOC-TP-CC10= TRUE POSITION OF CIRCLE CRC-CAV-4-2						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.190	-0.190				
Z	0.000	0.684	0.684				
TP	RFS		1.419	0.200		0.000	1.219

⊕ MM	DIM LOC-TP-CC11= TRUE POSITION OF CIRCLE CRC-CAV-5-1						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.210	-0.210				
Z	0.000	0.726	0.726				
TP	RFS		1.512	0.200		0.000	1.312

⊕ MM	DIM LOC-TP-CC12= TRUE POSITION OF CIRCLE CRC-CAV-5-2						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.127	-0.128				
Z	0.000	0.714	0.714				
TP	RFS		1.451	0.200		0.000	1.251

⊕ MM	DIM LOC-TP-CC13= TRUE POSITION OF CIRCLE CRC-CAV-6-1						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.157	-0.157				
Z	0.000	0.663	0.663				
TP	RFS		1.363	0.200		0.000	1.163

⊕ MM	DIM LOC-TP-CC14= TRUE POSITION OF CIRCLE CRC-CAV-6-2						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.211	-0.211				
Z	0.000	0.638	0.637				
TP	RFS		1.343	0.200		0.000	1.143

⊕ MM	DIM LOC-TP-CC15= TRUE POSITION OF CIRCLE CRC-CAV-7-1						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.179	-0.179				
Z	0.000	0.476	0.475				
TP	RFS		1.016	0.200		0.000	0.816

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⊕ MM	DIM LOC-TP-CC16= TRUE POSITION OF CIRCLE CRC-CAV-7-2						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.154	-0.154				
Z	0.000	0.556	0.556				
TP	RFS		1.154	0.200		0.000	0.954

⊕ MM	DIM LOC-TP-CC17= TRUE POSITION OF CIRCLE CRC-CAV-8-1						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.199	-0.200				
Z	0.000	0.374	0.374				
TP	RFS		0.847	0.200		0.000	0.647

⊕ MM	DIM LOC-TP-CC18= TRUE POSITION OF CIRCLE CRC-CAV-8-2						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.153	-0.153				
Z	0.000	0.373	0.373				
TP	RFS		0.807	0.200		0.000	0.607

⊕ MM	DIM LOC-TP-CC19= TRUE POSITION OF CIRCLE CRC-CAV-9-1						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.245	-0.245				
Z	0.000	0.190	0.190				
TP	RFS		0.620	0.200		0.000	0.420

⊕ MM	DIM LOC-TP-CC20= TRUE POSITION OF CIRCLE CRC-CAV-9-2						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.111	-0.112				
Z	0.000	0.141	0.141				
TP	RFS		0.359	0.200		0.000	0.159

⊕ MM	DIM LOC-TP-CC21= TRUE POSITION OF CIRCLE CRC-VAC-2						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	-0.035	-0.035				
Z	0.000	0.069	0.068				
TP	RFS		0.154	0.200		0.000	0.000

⊕ MM	DIM LOC-TP-CC22= TRUE POSITION OF CIRCLE CRC-DAT-2						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	BONUS	OUTTOL
X	0.000	0.000	0.000				
Z	0.000	0.000	0.000				
TP	RFS		0.000	0.200		0.000	0.000

True Position plots from 3 views
x1000

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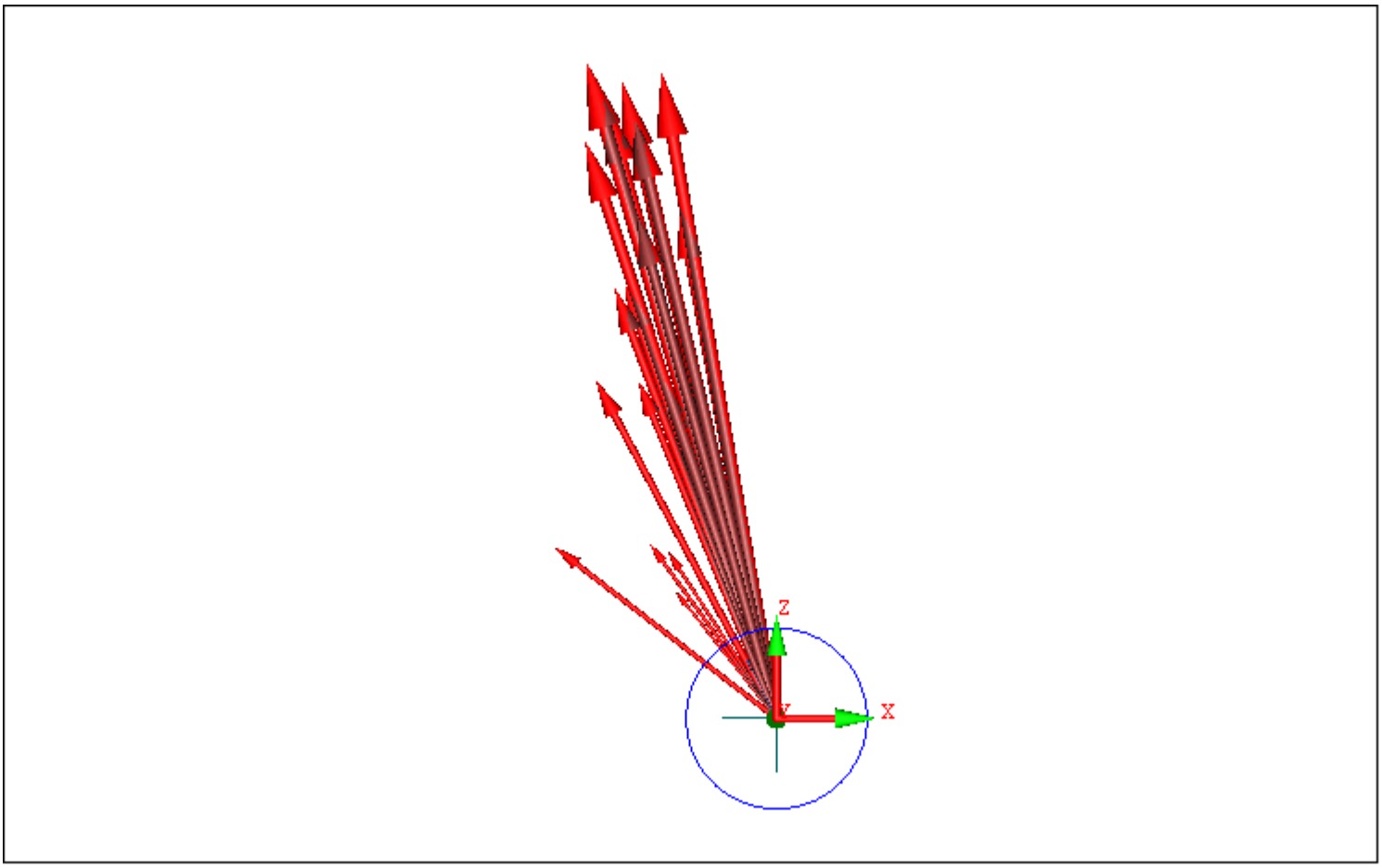
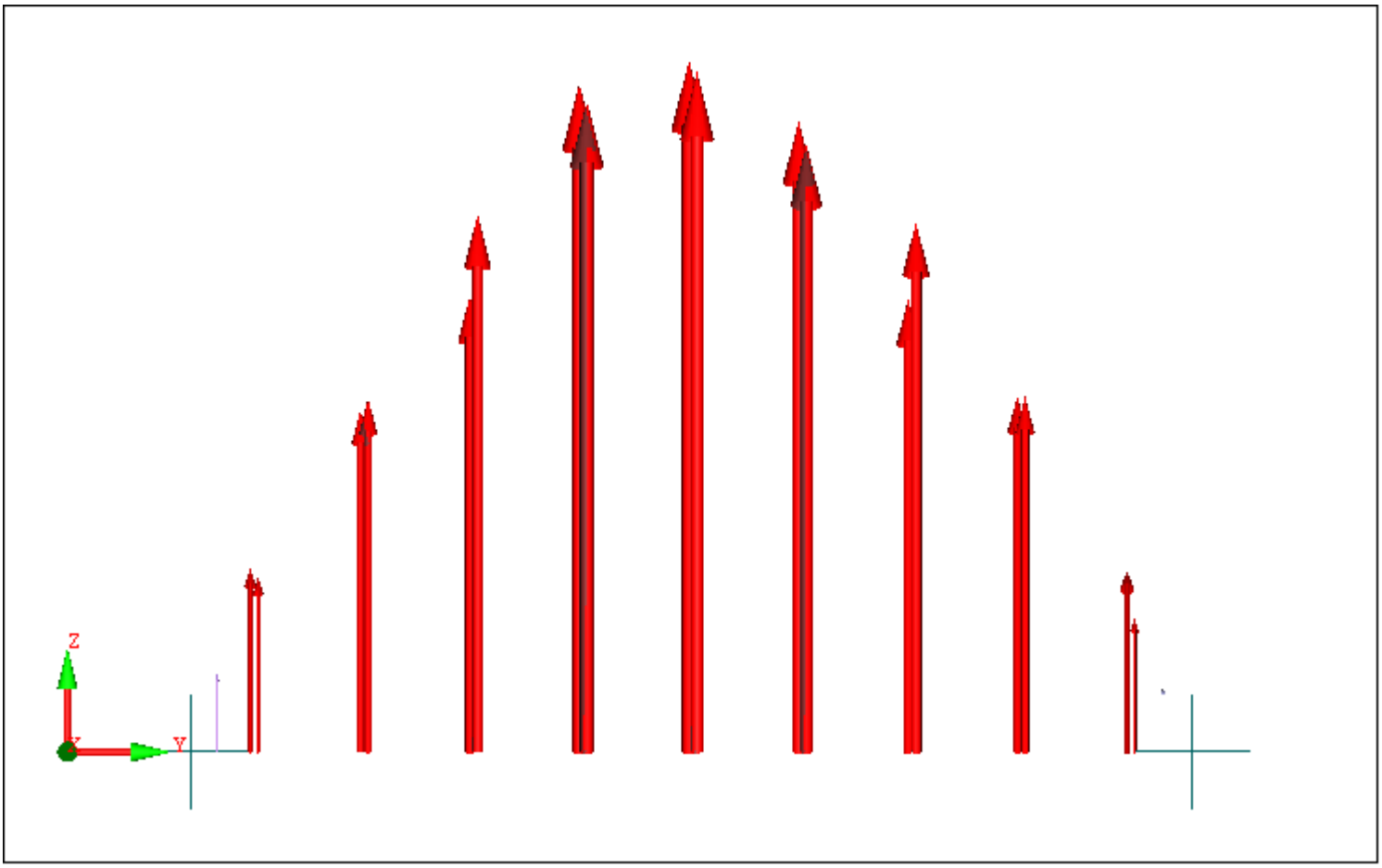


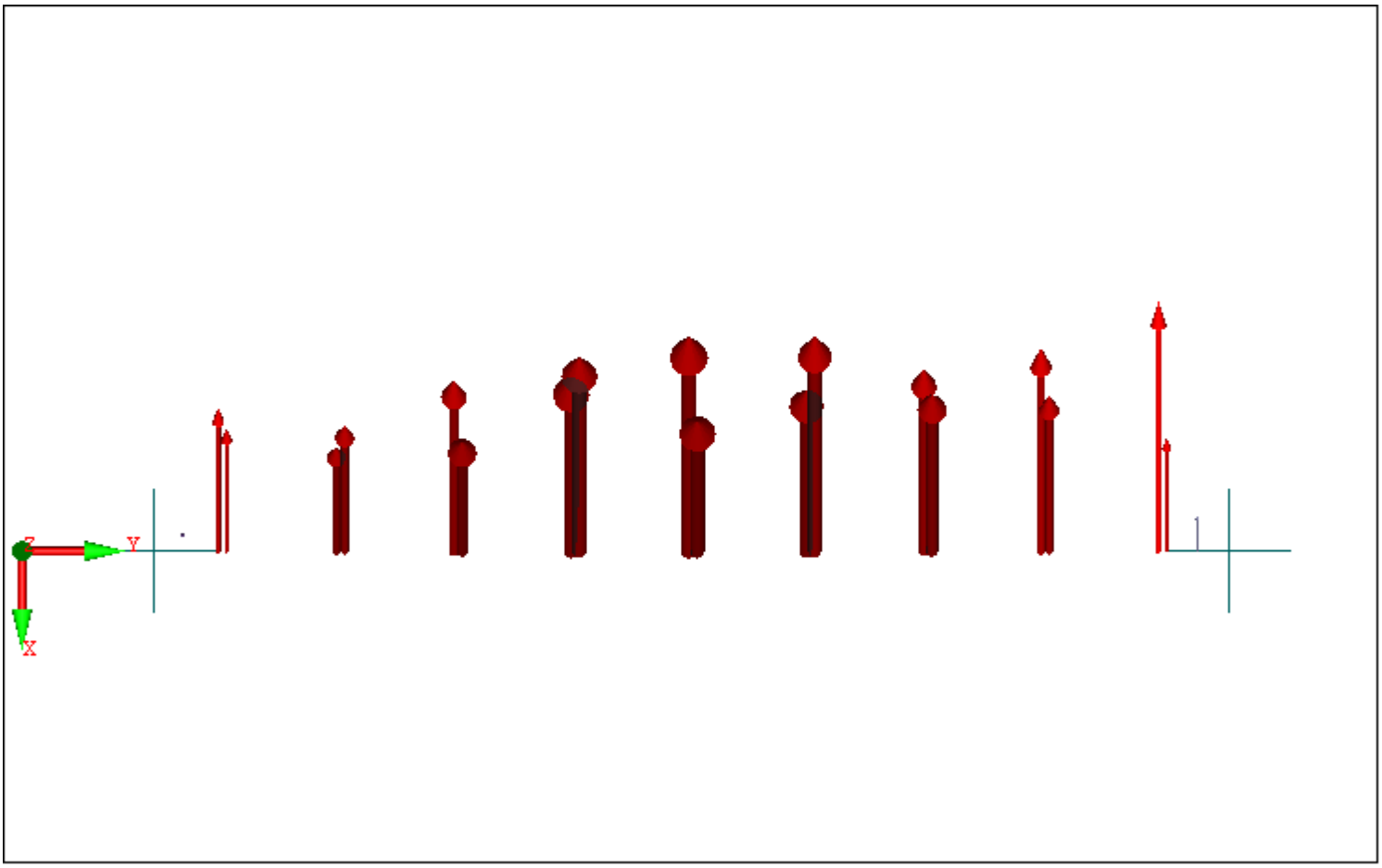
-Y View
x1000

PART NUMBER=ILC AES 1.3GHZ RF CAVITY ASSEMBLY 180 AES004 IR DATE=3/28/2007 TIME=9:20:3



+X View
x1000

PART NUMBER=ILC AES 1.3GHZ RF CAVITY ASSEMBLY 180 AES004 IR DATE=3/28/2007 TIME=9:20:3



+Z View
x1000

MM	DIM LOC-BEST FIT CONSTRUCTED LINE= LOCATION OF LINE LNC-BEST-FIT					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.133	-0.133	0.200	0.200	0.000
Y	0.000	656.471	656.471	2000.000	2000.000	0.000
Z	0.000	0.388	0.388	0.200	0.200	0.188
ST	0.000	0.756	0.756	0.200	0.000	0.556

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SUPPORT RING CIRCLE LOCATIONS

MM	DIM LOC-SUPPORT RING-1= LOCATION OF CIRCLE CR-SUPPORT-RING-T12					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	0.122	0.122	0.200	0.200	0.000
Y	0.000	252.275	252.275	2000.000	2000.000	0.000
Z	0.000	0.209	0.209	0.200	0.200	0.009
R	56.500	56.487	-0.013	0.200	0.200	0.000
RN	0.000	0.029	0.029	0.200	0.000	0.000

MM	DIM LOC-SUPPORT RING-2= LOCATION OF CIRCLE CR-SUPPORT-RING-T23					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.282	-0.282	0.200	0.200	0.082
Y	0.000	367.408	367.408	2000.000	2000.000	0.000
Z	0.000	0.509	0.509	0.200	0.200	0.309
R	56.500	56.824	0.324	0.200	0.200	0.124
RN	0.000	0.090	0.090	0.200	0.000	0.000

MM	DIM LOC-SUPPORT RING-3= LOCATION OF CIRCLE CR-SUPPORT-RING-T34					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.213	-0.213	0.200	0.200	0.013
Y	0.000	482.738	482.738	2000.000	2000.000	0.000
Z	0.000	0.459	0.459	0.200	0.200	0.259
R	56.500	56.883	0.383	0.200	0.200	0.183
RN	0.000	0.112	0.112	0.200	0.000	0.000

MM	DIM LOC-SUPPORT RING-4= LOCATION OF CIRCLE CR-SUPPORT-RING-T45					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.696	-0.696	0.200	0.200	0.496
Y	0.000	598.072	598.072	2000.000	2000.000	0.000
Z	0.000	0.748	0.748	0.200	0.200	0.548
R	56.500	57.032	0.532	0.200	0.200	0.332
RN	0.000	0.126	0.126	0.200	0.000	0.000

MM	DIM LOC-SUPPORT RING-5= LOCATION OF CIRCLE CR-SUPPORT-RING-T56					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.795	-0.795	0.200	0.200	0.595
Y	0.000	713.174	713.174	2000.000	2000.000	0.000
Z	0.000	0.712	0.712	0.200	0.200	0.512
R	56.500	56.828	0.328	0.200	0.200	0.128
RN	0.000	0.036	0.036	0.200	0.000	0.000

MM	DIM LOC-SUPPORT RING-6= LOCATION OF CIRCLE CR-SUPPORT-RING-T67					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.454	-0.454	0.200	0.200	0.254
Y	0.000	828.373	828.373	2000.000	2000.000	0.000
Z	0.000	0.835	0.835	0.200	0.200	0.635
R	56.500	56.787	0.287	0.200	0.200	0.087
RN	0.000	0.098	0.098	0.200	0.000	0.000

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MM	DIM LOC-SUPPORT RING-7= LOCATION OF CIRCLE CR-SUPPORT-RING-T78					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.673	-0.673	0.200	0.200	0.473
Y	0.000	943.272	943.272	2000.000	2000.000	0.000
Z	0.000	-0.045	-0.045	0.200	0.200	0.000
R	56.500	57.318	0.818	0.200	0.200	0.618
RN	0.000	0.008	0.008	0.200	0.000	0.000

MM	DIM LOC-SUPPORT RING-8= LOCATION OF CIRCLE CR-SUPPORT-RING-T89					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.015	-0.015	0.200	0.200	0.000
Y	0.000	1058.572	1058.572	2000.000	2000.000	0.000
Z	0.000	-0.282	-0.282	0.200	0.200	0.082
R	56.500	56.967	0.467	0.200	0.200	0.267
RN	0.000	0.157	0.157	0.200	0.000	0.000

SUPPORT RING POINT LOCATIONS

MM	DIM LOC-SUPPORT RING-PT1= LOCATION OF POINT PT-SUPPORT-RING-T12					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.868	0.368	0.200	0.200	0.168
Y	0.000	246.277	246.277	2000.000	2000.000	0.000
Z	0.000	0.024	0.024	0.200	0.200	0.000

MM	DIM LOC-SUPPORT RING-PT2= LOCATION OF POINT PT-SUPPORT-RING-T23					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.628	0.128	0.200	0.200	0.000
Y	0.000	361.507	361.507	2000.000	2000.000	0.000
Z	0.000	0.026	0.026	0.200	0.200	0.000

MM	DIM LOC-SUPPORT RING-PT3= LOCATION OF POINT PT-SUPPORT-RING-T34					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.716	0.216	0.200	0.200	0.016
Y	0.000	476.777	476.777	2000.000	2000.000	0.000
Z	0.000	0.027	0.027	0.200	0.200	0.000

MM	DIM LOC-SUPPORT RING-PT4= LOCATION OF POINT PT-SUPPORT-RING-T45					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.499	-0.001	0.200	0.200	0.000
Y	0.000	592.177	592.177	2000.000	2000.000	0.000
Z	0.000	0.029	0.029	0.200	0.200	0.000

MM	DIM LOC-SUPPORT RING-PT5= LOCATION OF POINT PT-SUPPORT-RING-T56					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.137	-0.363	0.200	0.200	0.163
Y	0.000	707.177	707.177	2000.000	2000.000	0.000
Z	0.000	0.031	0.031	0.200	0.200	0.000

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MM	DIM LOC-SUPPORT RING-PT6= LOCATION OF POINT PT-SUPPORT-RING-T67					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.395	-0.105	0.200	0.200	0.000
Y	0.000	822.477	822.477	2000.000	2000.000	0.000
Z	0.000	0.032	0.032	0.200	0.200	0.000

MM	DIM LOC-SUPPORT RING-PT7= LOCATION OF POINT PT-SUPPORT-RING-T78					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.715	0.215	0.200	0.200	0.015
Y	0.000	937.277	937.277	2000.000	2000.000	0.000
Z	0.000	0.034	0.034	0.200	0.200	0.000

MM	DIM LOC-SUPPORT RING-PT8= LOCATION OF POINT PT-SUPPORT-RING-T89					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	57.056	0.556	0.200	0.200	0.356
Y	0.000	1052.677	1052.677	2000.000	2000.000	0.000
Z	0.000	0.036	0.036	0.200	0.200	0.000

SUPPORT RING CIRCLES IN Z

MM	DIM LOC Z SUPPORT RING CIRCLES 1= LOCATION OF CIRCLE CR-SUPPORT-RING-T1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Z	0.000	0.209	0.209	0.200	0.200	0.009

MM	DIM LOC Z SUPPORT RING CIRCLES 2= LOCATION OF CIRCLE CR-SUPPORT-RING-T2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Z	0.000	0.509	0.509	0.200	0.200	0.309

MM	DIM LOC Z SUPPORT RING CIRCLES 3= LOCATION OF CIRCLE CR-SUPPORT-RING-T3					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Z	0.000	0.459	0.459	0.200	0.200	0.259

MM	DIM LOC Z SUPPORT RING CIRCLES 4= LOCATION OF CIRCLE CR-SUPPORT-RING-T4					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Z	0.000	0.748	0.748	0.200	0.200	0.548

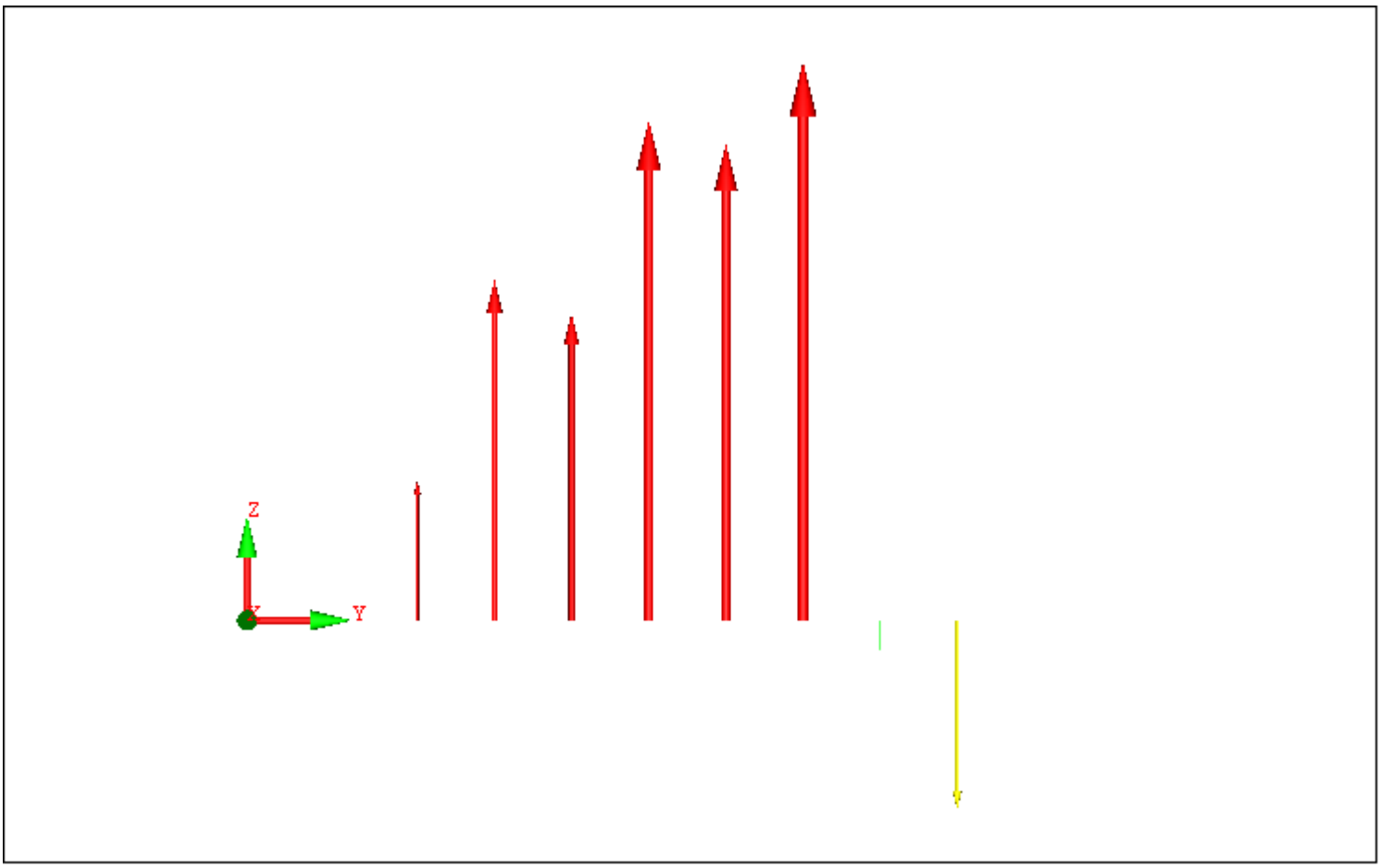
MM	DIM LOC Z SUPPORT RING CIRCLES 5= LOCATION OF CIRCLE CR-SUPPORT-RING-T5					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Z	0.000	0.712	0.712	0.200	0.200	0.512

MM	DIM LOC Z SUPPORT RING CIRCLES 6= LOCATION OF CIRCLE CR-SUPPORT-RING-T6					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Z	0.000	0.835	0.835	0.200	0.200	0.635

PART NUMBER=ILC AES 1.3GHZ RF CAVITY ASSEMBLY 180 AES004 IR DATE=3/28/2007 TIME=9:20:3

MM	DIM LOC Z SUPPORT RING CIRCLES 7= LOCATION OF CIRCLE CR-SUPPORT-RING-T7					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Z	0.000	-0.045	-0.045	0.200	0.200	0.000

MM	DIM LOC Z SUPPORT RING CIRCLES 8= LOCATION OF CIRCLE CR-SUPPORT-RING-T8					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Z	0.000	-0.282	-0.282	0.200	0.200	0.082



SUPPORT RING CIRCLES IN Z
x1000

SUPPORT RING POINTS IN X

MM	DIM LOC Z SUPPORT RING POINTS 1= LOCATION OF POINT PT-SUPPORT-RING-T12					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.868	0.368	0.200	0.200	0.168

PART NUMBER=ILC AES 1.3GHZ RF CAVITY ASSEMBLY 180 AES004 IR DATE=3/28/2007 TIME=9:20:3

MM	DIM LOC Z SUPPORT RING POINTS 2= LOCATION OF POINT PT-SUPPORT-RING-T23					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.628	0.128	0.200	0.200	0.000

MM	DIM LOC Z SUPPORT RING POINTS 3= LOCATION OF POINT PT-SUPPORT-RING-T34					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.716	0.216	0.200	0.200	0.016

MM	DIM LOC Z SUPPORT RING POINTS 4= LOCATION OF POINT PT-SUPPORT-RING-T45					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.499	-0.001	0.200	0.200	0.000

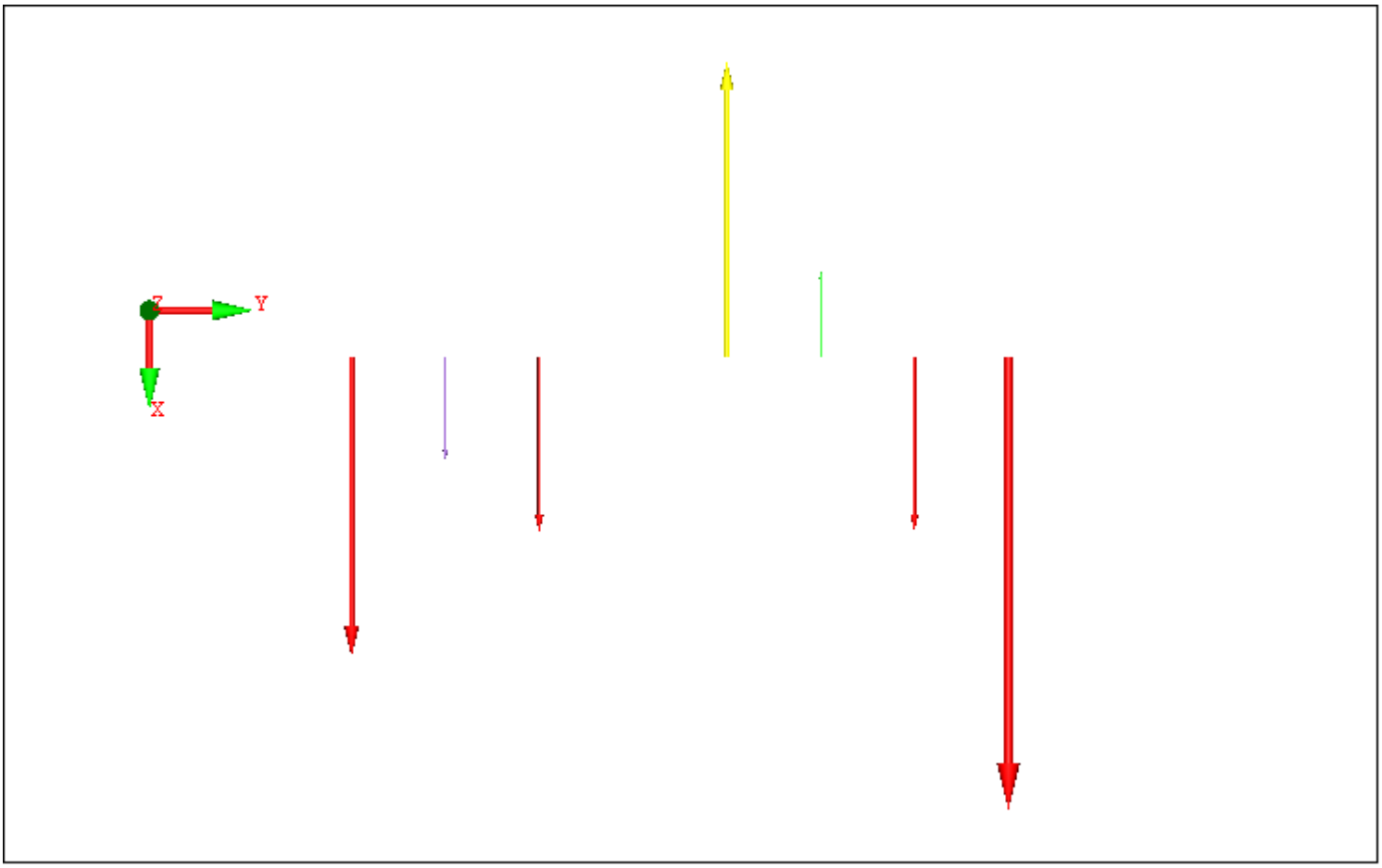
MM	DIM LOC Z SUPPORT RING POINTS 5= LOCATION OF POINT PT-SUPPORT-RING-T56					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.137	-0.363	0.200	0.200	0.163

MM	DIM LOC Z SUPPORT RING POINTS 6= LOCATION OF POINT PT-SUPPORT-RING-T67					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.395	-0.105	0.200	0.200	0.000

MM	DIM LOC Z SUPPORT RING POINTS 7= LOCATION OF POINT PT-SUPPORT-RING-T78					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	56.715	0.215	0.200	0.200	0.015

MM	DIM LOC Z SUPPORT RING POINTS 8= LOCATION OF POINT PT-SUPPORT-RING-T89					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	56.500	57.056	0.556	0.200	0.200	0.356

PART NUMBER=ILC AES 1.3GHZ RF CAVITY ASSEMBLY 180 AES004 IR DATE=3/28/2007 TIME=9:20:3



SUPPORT RING POINTS IN Z
x1000

DEG	DIM ANGL15= 2D ANGLE (TRUE) FROM LINE LNC-FOR 180 OFFSET TO ZAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
A	15.029	15.031	0.001	0.500	0.500	0.000

(9) ANGLE I: 0.2631146 - 15.25495207
ANGLE K: 0.9647646
(7) ANGLE I: 0.2588121 - 14.99958804
ANGLE K: 0.9659277
(6) ANGLE I: 0.2439225 - 14.11816578
ANGLE K: 0.9697947

MM	DIM DIST3= 2D DISTANCE FROM PLANE PL-NW12-FLANGE-HOM2 TO PLANE PL-NW12-FLANGE-HOM3 PAR TO YAXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1283.400	1275.365	-8.035	0.200	0.200	7.835

END OF MEASUREMENT FOR
PN=ILC AES 1.3GHZ RF CAVITY ASSEMBLY 180 AES004 IR DWG=
SN=
TOTAL # OF MEAS =297 # OUT OF TOL =136 # OF HOURS =00:00:08