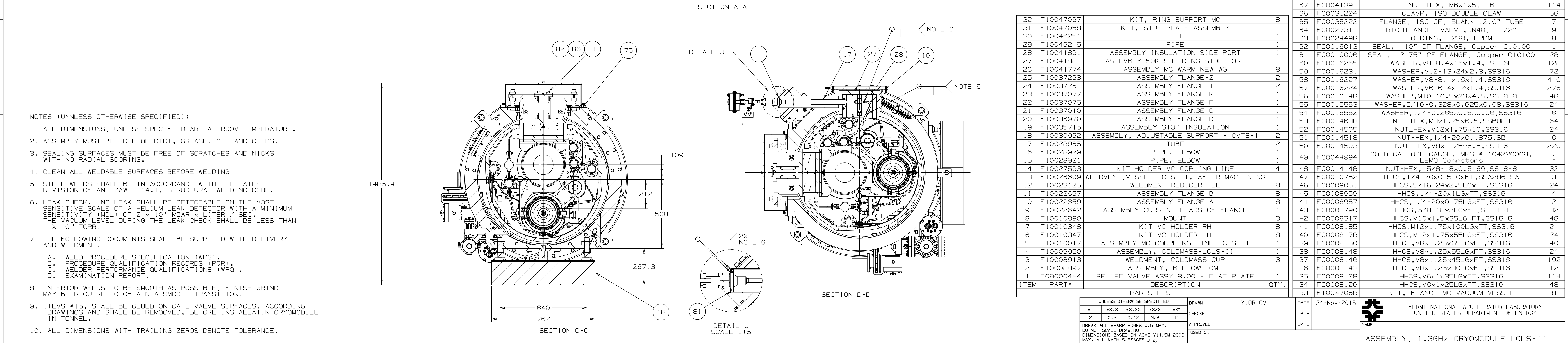
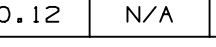
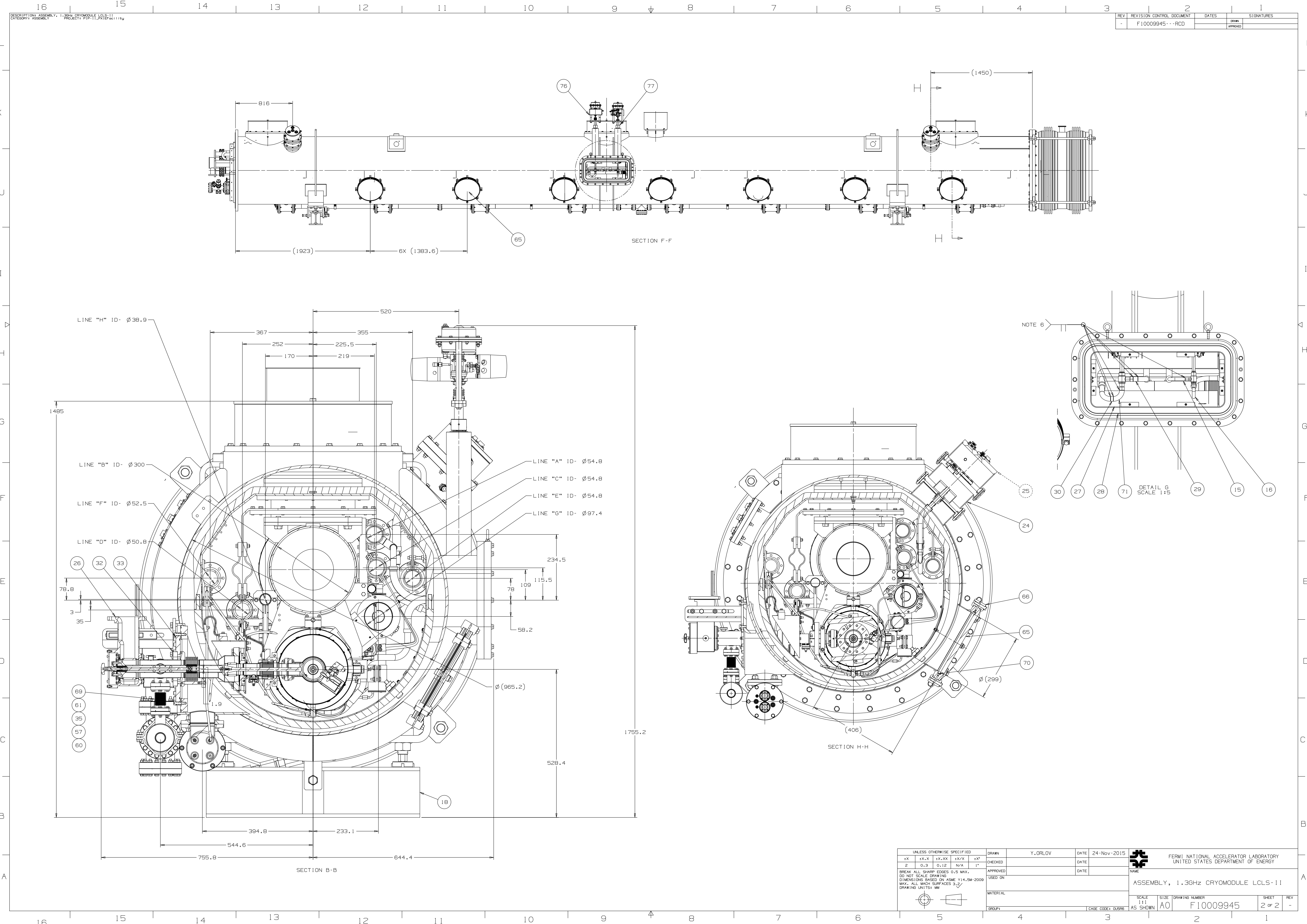




87	FC0044993	CONVECTION GAYGE, MKS # 1031700245	1
88	FC0053995	DOWEL PIN, M6X20MM, 316SS	3
89	FC0019010	SEAL, 6" CF FLANGE, Copper C10100	1
84	FC0015588	WASHER, 5/8"-0, 656x1, 312x0, 13, SS316	32
82	FC0008149	HCMS, M6x1.25x80LxGxT, SS316	16
83	FC0006090	SHCS, M6x1.2x20LxGxT, SS316	9
81	FC0049991	RING ADAPTOR JT VALVE	2
80	FC0053913	PLATE NUT 5/16"-24 NUT-100, KURT J. LESKER	12
79	FC0053886	PUMP ION 755 TITAN, DI, 6"CF, SAFECONN	1
78	FC0053882	TEE 2.75 CF, MDC 4040002	1
77	FC0053866	VALVE 0020, CRYO DN 6	1
76	FC0053865	VALVE 0010, CRYO DN 10	1
75	FC0051591	O-RING, 579MM-OD, 5.334MM-DIA, EPDM	3
74	FC0051590	O-RING, 1138MM-OD, 6.985MM-DIA, EPDM	1
73	FC0051589	O-RING, 1104MM-OD, 6.985MM-DIA, EPDM	1
72	FC0051588	O-RING, 1071MM-OD, 6.985MM-DIA, EPDM	1
71	FC0048573	ELBOW, PIPE-90, LONG, 1/2"x105, 316 SS	51
70	FC0047775	CENTERING RING AND SPASER RING-AL, WITH 5/8" EPDM O-RING	1
69	FC0047475	WELDMENT BELLOWS, 2.75" MDC400003	8
68	FC0042062	WASHER, 1/4"-0, 265x0.5x0.06, SS316L	3
67	FC0041391	NUT HEX, M6x1x5, SB	114
66	FC0035224	CLAMP, ISO DOUBLE CLAW	56
65	FC0035222	FLANGE, ISO OF, BLANK 12.0" TUBE	7
64	FC0027311	RIGHT ANGLE VALVE, DN40, 1/-1/2"	9
63	FC0024498	O-RING, -23B, EPDM	8
62	FC0019013	SEAL, 10" CF FLANGE, Copper C10100	1
61	FC0019006	SEAL, 2.75" CF FLANGE, Copper C10100	28
60	FC0016265	WASHER, M8-8, 4x16x1, 4, SS316L	128
59	FC0016231	WASHER, M12-1, 3x24x2, 3, SS316	72
58	FC0016227	WASHER, M8-8, 4x16x1, 4, SS316	140
57	FC0016224	WASHER, M6-6, 4x12x1, 4, SS316	276
56	FC0016148	WASHER, M10-10, 5x23x4, 5, SS18-8	48
55	FC0016133	WASHER, 5/16"-0, 328x0, 625x0, 98, SS316	24
54	FC0015587	WASHER, 1/4"-0, 265x0, 58, SS316	64
53	FC0014568	NUT HEX, M6x1, 25x6, 5, SS808	5
52	FC0014505	NUT HEX, M12x1, 75x10, SS316	2
51	FC0014518	NUT HEX, 1/4"-20x0, 1875, SB	3
50	FC0014503	NUT HEX, M6x1, 25x6, 5, SS316	220
49	FC0044994	COLD CATHODE GAUGE, MKS # 104220008, LEMO Connectors	1
48	FC0014148	NUT-HEX, 5/8-18x0, 5469, SS18-8	32
47	FC0010752	HCMS, 1/4"-20x0, 5LxGxT, SS2A86-SA	3
46	FC0009051	HCMS, 1/4-26-24x2, 5LxGxT, SS316	24
45	FC0008959	HCMS, 1/4-20x1LxGxT, SS316	4
44	FC0008957	HCMS, 1/4-20x0, 75LxGxT, SS316	2
43	FC0007990	HCMS, 5/8-18x2LxGxT, SS18-8	32
42	FC0008732	HCMS, M10x1, 5x38, SS316	48
41	FC0008185	HCMS, M12x1, 75x100LxGxT, SS316	24
40	FC0008178	HCMS, M12x1, 75x55LxGxT, SS316	24
39	FC0008150	HCMS, M8x1, 25x65LxGxT, SS316	40
38	FC0008148	HCMS, M8x1, 25x55LxGxT, SS316	24
37	FC0008146	HCMS, M8x1, 25x45LxGxT, SS316	192
36	FC0008143	HCMS, M8x1, 25x30LxGxT, SS316	12
35	FC0008128	HCMS, M6x1x35LxGxT, SS316	114
34	FC0008126	HCMS, M6x1x25LxGxT, SS316	48
33	FC0047068	KIT, FLANGE MC VACUUM VESSEL	8

32	F10047067	KIT, RING SUPPORT MC	8
31	F10047058	KIT, SIDE PLATE ASSEMBLY	1
30	F10046251	PIPE	1
29	F10046245	PIPE	1
28	F10041891	ASSEMBLY INSULATION SIDE PORT	1
27	F10041881	ASSEMBLY 50K SHIELDING SIDE PORT	1
26	F10041774	ASSEMBLY MC WARM NEW WG	9
25	F10037263	ASSEMBLY FLANGE-Z	2
24	F10037261	ASSEMBLY FLANGE-1	2
23	F10037077	ASSEMBLY FLANGE K	1
22	F10037075	ASSEMBLY FLANGE F	1
21	F10037010	ASSEMBLY FLANGE C	1
20	F10036970	ASSEMBLY FLANGE D	1
19	F10035715	ASSEMBLY STOP INSULATION	1
18	F10030992	ASSEMBLY, ADJUSTABLE SUPPORT - CMTS-1	2
17	F10028965	TUBE	2
16	F10028929	PIPE, ELBOW	1
15	F10028921	PIPE, ELBOW	1
14	F10027593	KIT HOLDER MC COPLING LINE	4
13	F10026609	WELDMENT,VESSEL LCLS-11, AFTER MACHINING	1
12	F10023125	WELDMENT REDUCER TEE	8
11	F10022867	ASSEMBLY FLANGE B	8
10	F10022859	ASSEMBLY FLANGE A	8
9	F10018442	ASSEMBLY CURRENT LEADS CF FLANGE	1
8	F10010890	MOUNT	3
7	F10010349	KIT MC HOLDER RH	9
6	F10010347	KIT MC HOLDER LH	9
5	F10010017	ASSEMBLY MC COUPLING LINE LCLS-11	1
4	F10009950	ASSEMBLY, COLDMASS-LCLS-11	1
3	F10008913	WELDMENT, COLDMASS CUP	3
2	F10008987	ASSEMBLY, BELLQWS CM3	1
1	F09000444	RELIEF VALVE ASSY 8.00 - FLAT PLATE	1
ITEM	PART#	DESCRIPTION	QTY.
PARTS LIST			

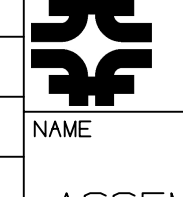
UNLESS OTHERWISE SPECIFIED					DRAWN	Y. ORLOV		DATE	24-Nov-2015			FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY
1X	1X.X	2X.XX	1X/X	1X"	CHECKED							
2	0.3	0.12	N/A	1"	APPROVED			DATE			NAME _____	ASSEMBLY, 1.3GHz CRYMODULE LCLS-II
BREAK ALL SHARP EDGES 0.5 MAX. DO NOT SCALE DRAWING DIMENSIONS BASED ON ASME 14.5M-2009 MAX. ALL MACH SURFACES 3.3 DRAWING UNITS: MM					USED ON							
					MATERIAL							
GROUP1					CASE CODE1	QUSRB		SCALE 1:1 A5 SHOWN	SIZE A0	DRAWING NUMBER F10009945	SHEET 1 of 2	REV -



DESCRIPTION: ASSEMBLY, 1.3GHz CRYOMODULE LCLS-II
CATEGORY: ASSEMBLY

PROJECT: P1P-11 LCLS-II
DRAWING: F10009945

REV	REVISION CONTROL DOCUMENT	DATES	DRAWN	SIGNATURES
-	F10009945---RCD		APPROVED	

UNLESS OTHERWISE SPECIFIED					DRAWN		Y. ORLOV		DATE		24-Nov-2015				FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY							
±X	±X.X	±X.XX	±X/X	±X"	CHECKED				DATE													
2	0.3	0.12	N/A	1"	APPROVED				DATE													
BREAK: ALL SHARP EDGES 0.5 MAX. DO NOT SCALE DRAWING DIMENSIONS BASED ON ASME Y14.5M-2009 MAX. ALL MACH SURFACES 3.2 DRAWING UNITS: MM					USED ON																	
					MATERIAL								ASSEMBLY, 1.3GHZ CRYOMODULE LCLS-II									
					GROUP:																	
													SCALE		SIZE		DRAWING NUMBER		SHEET		REV	
													1:1		A0		F10009945		2 of 2		-	
													AS SHOWN									