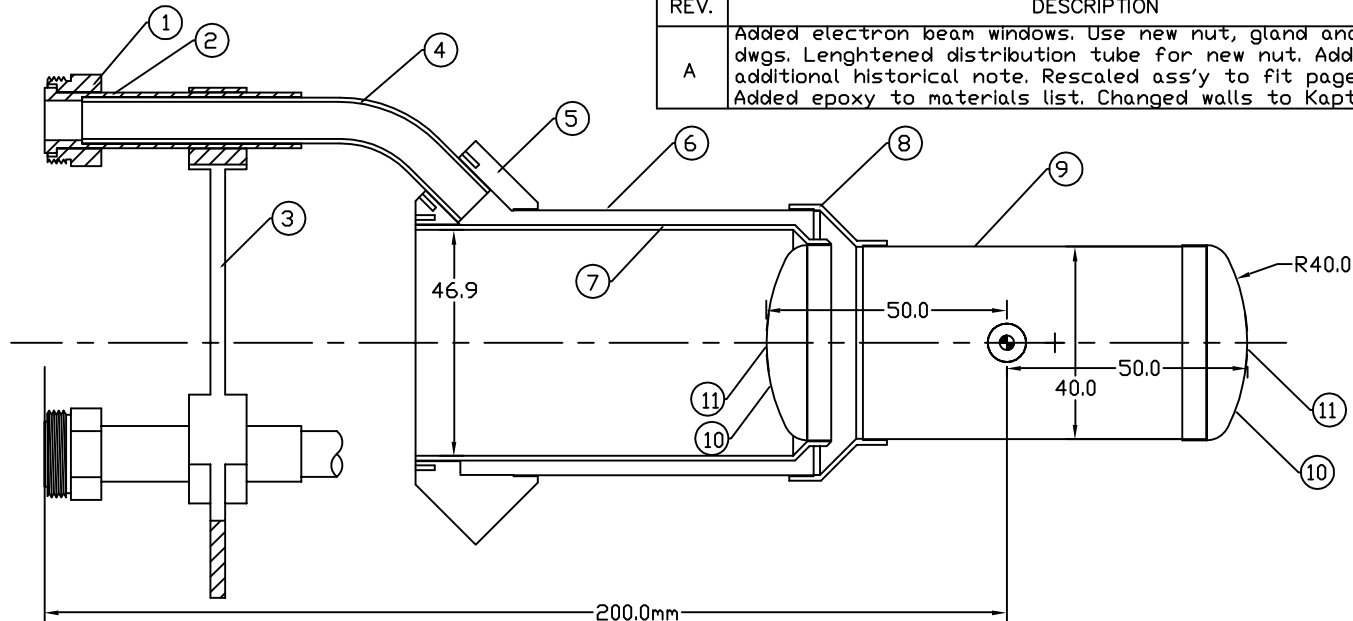



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	Added electron beam windows. Use new nut, gland and ring dwgs. Lengthened distribution tube for new nut. Added additional historical note. Rescaled ass'y to fit page. Added epoxy to materials list. Changed walls to Kapton.		



QTY REQD	ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
3	1	66850-A-03259, rev A	CONDENSER CONNECTING NUT	304 STAINLESS STEEL
3	2	66850-A-03259, rev A	GLAND	6061 T6 ALUMINUM
1	3	66850-A-03322	GAS MANIFOLD SUPPORT RING	1100 SERIES ALUMINUM
3	4	66850-A-02981 s6, rev A	DISTRIBUTION TUBE	3/8" TUBE, 6061 T6 ALUMINUM
1	5	66850-A-02981 s2	OUTER BASE RING	TORLON 4203, 1" PLATE
1	6	Note 2	OUTER BASE WALL	0.005" KAPTON
1	7	66850-A-02981 s3	INNER BASE TUBE	TORLON 4203, 2" ROD
1	8	66850-A-02981 s4	CELL WALL COLLAR	TORLON 4203, 1" PLATE
1	9	Note 3	CELL WALL	0.005" KAPTON
2	10	66850-A-02982 s1, rev B	END CAP	0.005" KAPTON
2	11	GOODFELLOW, 000392	ELECTRON BEAM WINDOW	15um AL, 99.0% x 10mm dia. Glue to inside of item 10.
2	12	3M DP-190 GRAY	EPOXY	0.001-0.005" FILM ON ALL CONTACT SURFACES

Notes:
 1) Original G2 cell was made with Mylar walls. A second, identical cell was made using Kapton walls. This cell replaces both.
 2) Use form 66850-A-03018, s3 to form this item. Cut Kapton with 5 mm overlap on the seam and 2-3 mm longer than the form. Use mold release agent on form then wrap Kapton tightly and glue seam using DP-190. Use Mylar tape to hold seam while epoxy cures. Trim ends of Kapton to ends of form when epoxy has cured.
 3) Use form 66850-A-03018, s2 to form this item. Follow procedure in note 2.

PARTS LIST			
DIM & TOL PER ANSI Y14.5 - UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE IN MM TOLERANCES ARE: FRACTIONS DECIMAL ANGLES ± .xx ± .xxx ± 0.05	CADD I.D. NO.		 Thomas Jefferson National Accelerator Facility NEWPORT NEWS, VIRGINIA UNITED STATES DEPARTMENT OF ENERGY
	christo\\c:\r13\dwg1\tar_g2_g3.dwg		
MATERIAL	APPROVALS	DATE	G2 TARGET CELL ASSEMBLY
	DRAWN s. christo	7/14/99	
FINISH UNLESS OTHERWISE NOTED DEBURR & BREAK ALL SHARP EDGES	CHECKED DHK	10/22/99	SIZE DWG. NO. REV. A 66850-A-02981 A
	APPROVED/ORIGINATOR s. christo	10/22/99	
DO NOT SCALE DRAWING	APPROVED DHK	10/22/99	SCALE 2:3 USED ON ASSY NO. SHEET 1 OF 6