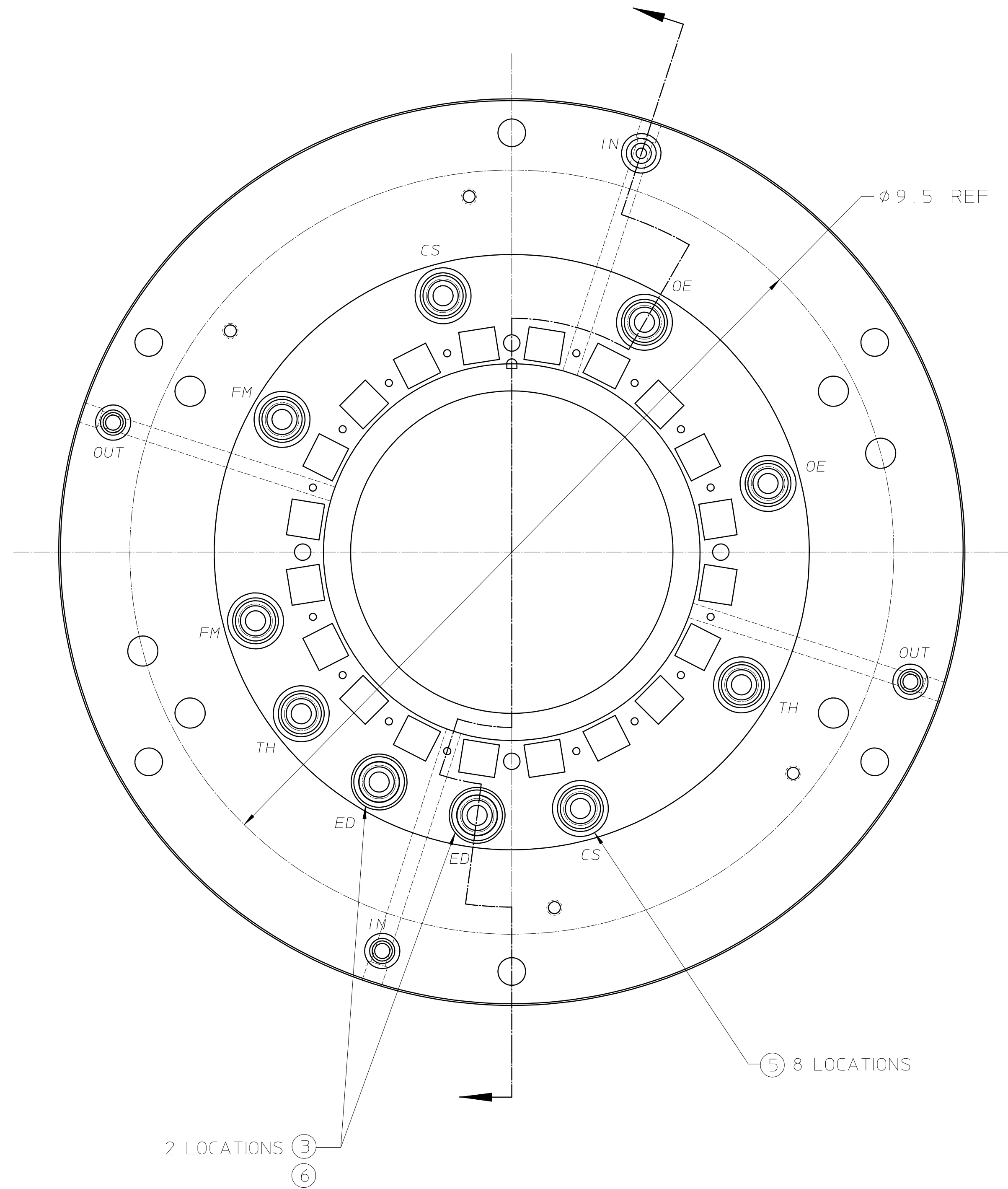
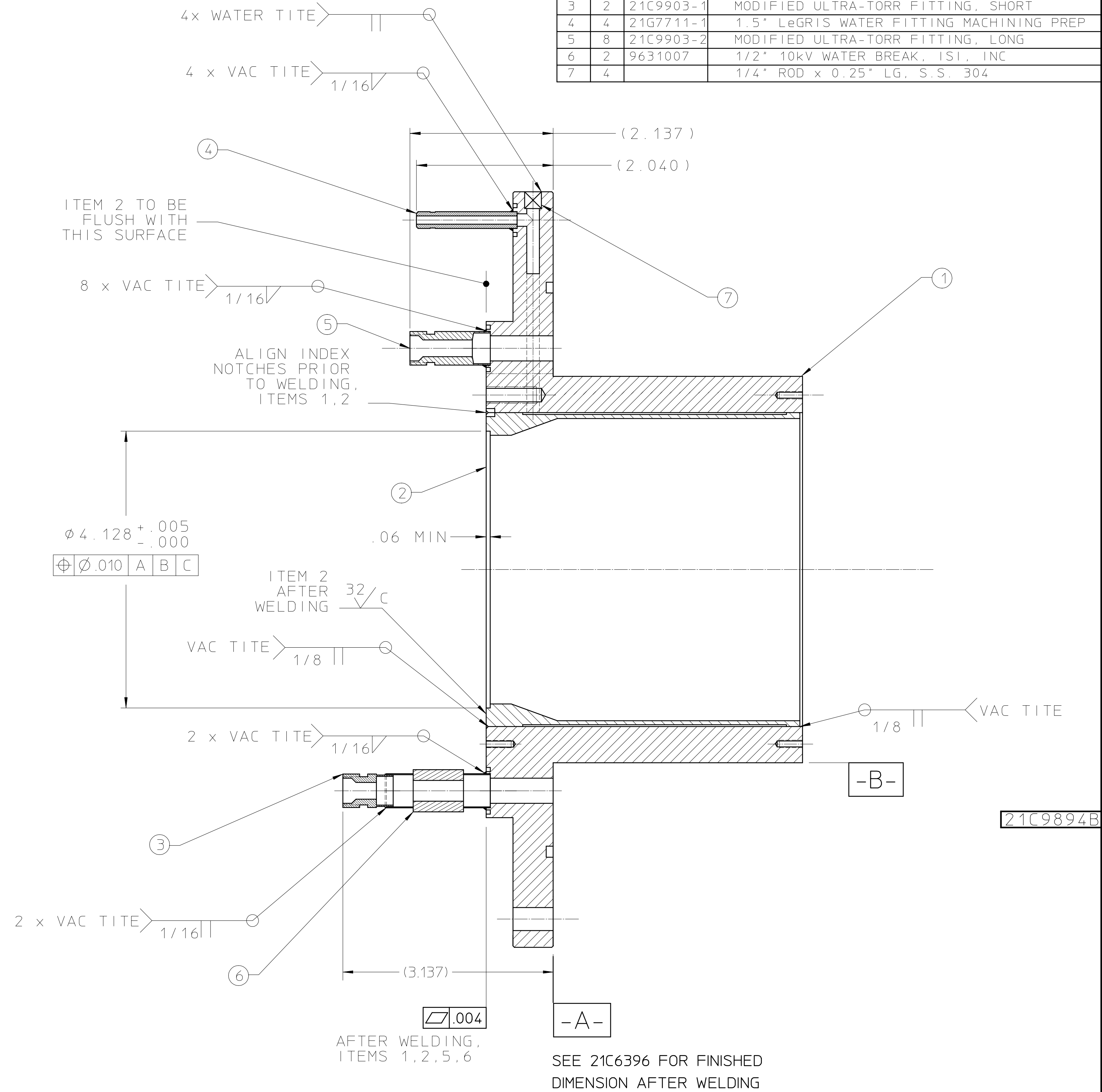


NOTES (UNLESS OTHERWISE SPECIFIED):

- 1) DIMENSIONS IN INCHES.
- 2) ALL WELDS SHOULD BE PERFORMED IN AN INERT GAS GLOVE-BOX ENVIRONMENT TO PREVENT ANY OXIDATION TO WELDED SURFACES.



ITEM	REQD	PART NUMBER	DESCRIPTION
1	1	21C6396	CUSP MAGNET BODY
2	1	21C9786	PLASMA CHAMBER
3	2	21C9903-1	MODIFIED ULTRA-TORR FITTING, SHORT
4	4	21G7711-1	1.5" LeGRIS WATER FITTING MACHINING PREP
5	8	21C9903-2	MODIFIED ULTRA-TORR FITTING, LONG
6	2	9631007	1/2" 10kV WATER BREAK, ISI, INC
7	4		1/4" ROD x 0.25" LG. S.S. 304



SEE 21C6396 FOR FINISHED DIMENSION AFTER WELDING

				UNLESS OTHERWISE SPECIFIED		SHOP ORDERS			LAWRENCE BERKELEY NATIONAL LABORATORY			
C	PL	PL	11/21/03	ADDED Ø 4.128 C-BORE FOR HYBRIS RETROFIT. ADDED DATUM B. CORRECTED ITEM 5 P/N.	.X ± .1	FRAC. ± 1/64	ACCT. NO.	SERIAL NO.	UNIVERSITY OF CALIFORNIA-BERKELEY			
B	DWC		10/18/01	ADDED NOTE 2 REGARDING GLOVE-BOX WELDS ADDED MARKERS FOR WATER FEEDTHRUS	.XX ± .01	ANGLES ± 0.5°	DATE ISSD	DATE RECD	SNS - FRONT END SYSTEM		ION SOURCE PROTOTYPE DESIGN	
A	JM	DWC	9/18/01	ADDED WELDMENTS OF ITEMS 3 THRU 7 CHANGES	.XXX ± .005	FINISH 125/7	DELIVER TO		PLASMA CHAMBER WELDMENT		PATENT CLEAR	
REV	DWG	CHK	ZONE	DATE	TOLERANCES		SURFACE TREATMENT		DWG. TYPE		SCALE	
					THREADS ARE CLASS 2		CLEAN		DETAIL		FULL	
					CHAMFER ENDS OF ALL SCREW THREADS 30°		TAG		MICROFILMED		DO NOT SCALE PRINTS	
					CUT 1.5 PITCH THRD RELIEF WITH ROUND NOSE TOOL ON MACHINING CUT THREADS.		DATE 02-01-99		DESIGN ACCT. NO.		DWG. NO.	
					BREAK EDGES .016 MAX. ON MACHINED WORK REMOVE BURRS WELD SPATTER & LOOSE SCALE REF. ASME Y14.3M & ANSI B46.1.		DATE 02-02-99		8210-14		21C9894	
							CHK BY SKM		CATEGORY CODE		REV. C	