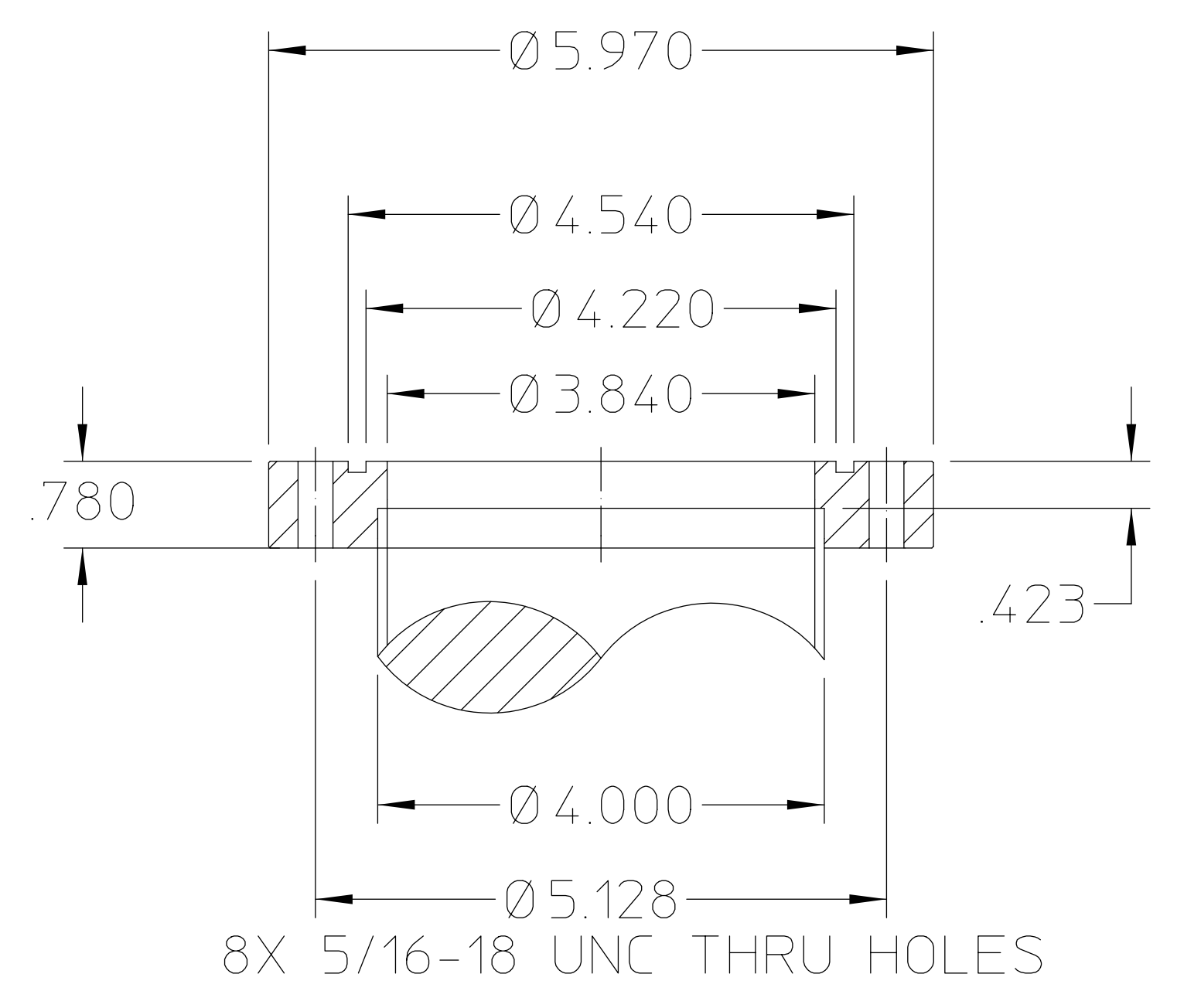
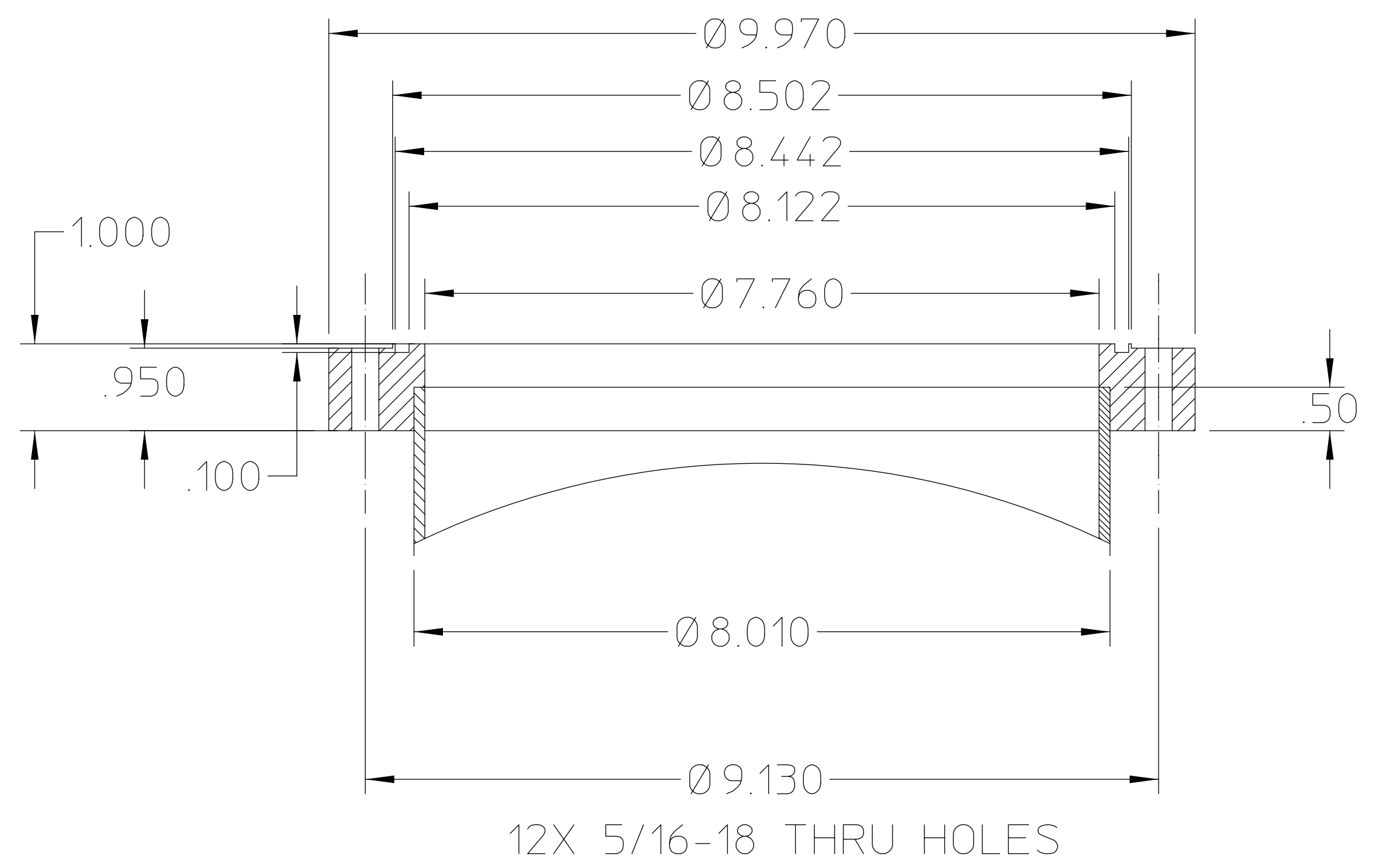
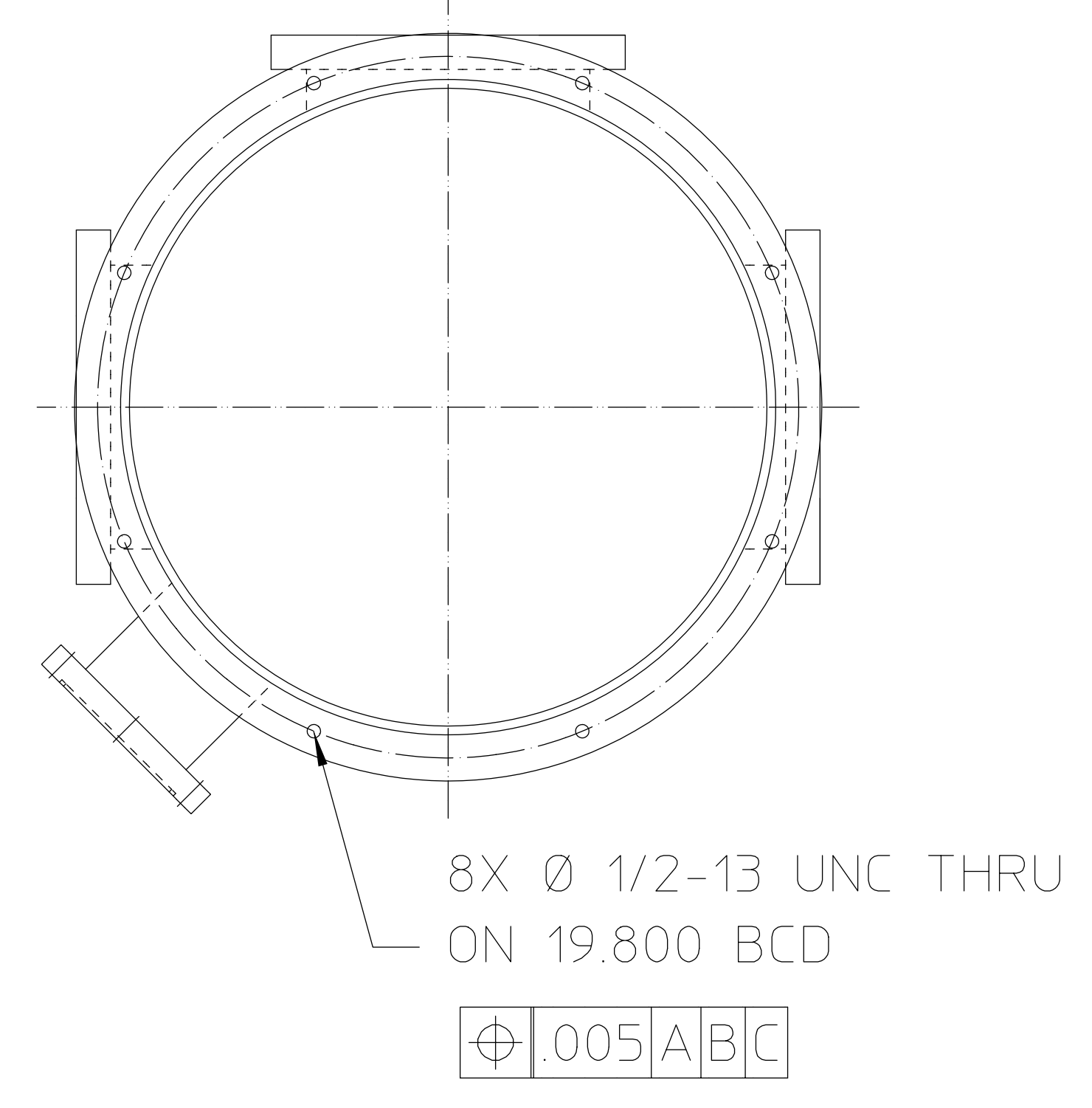
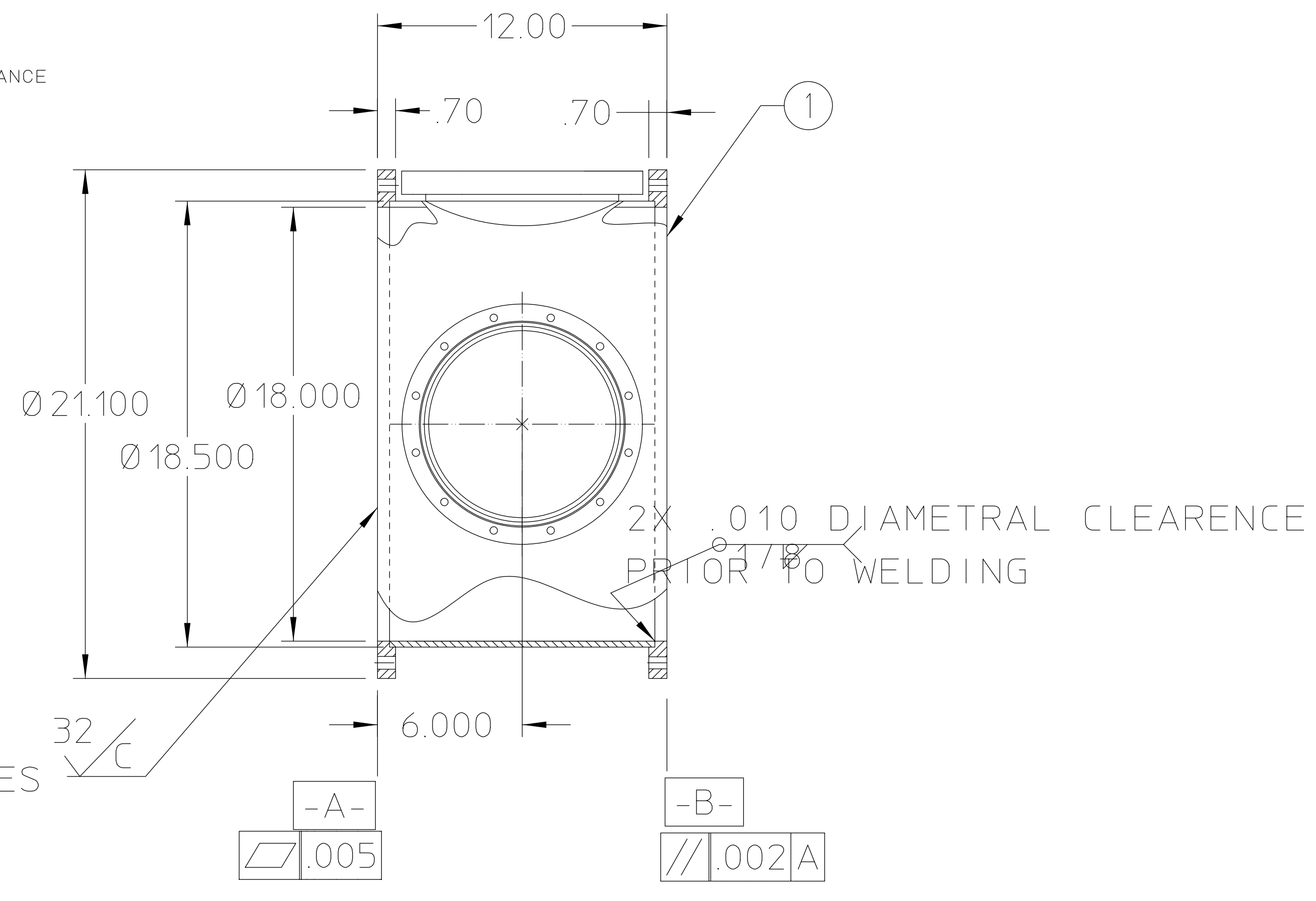
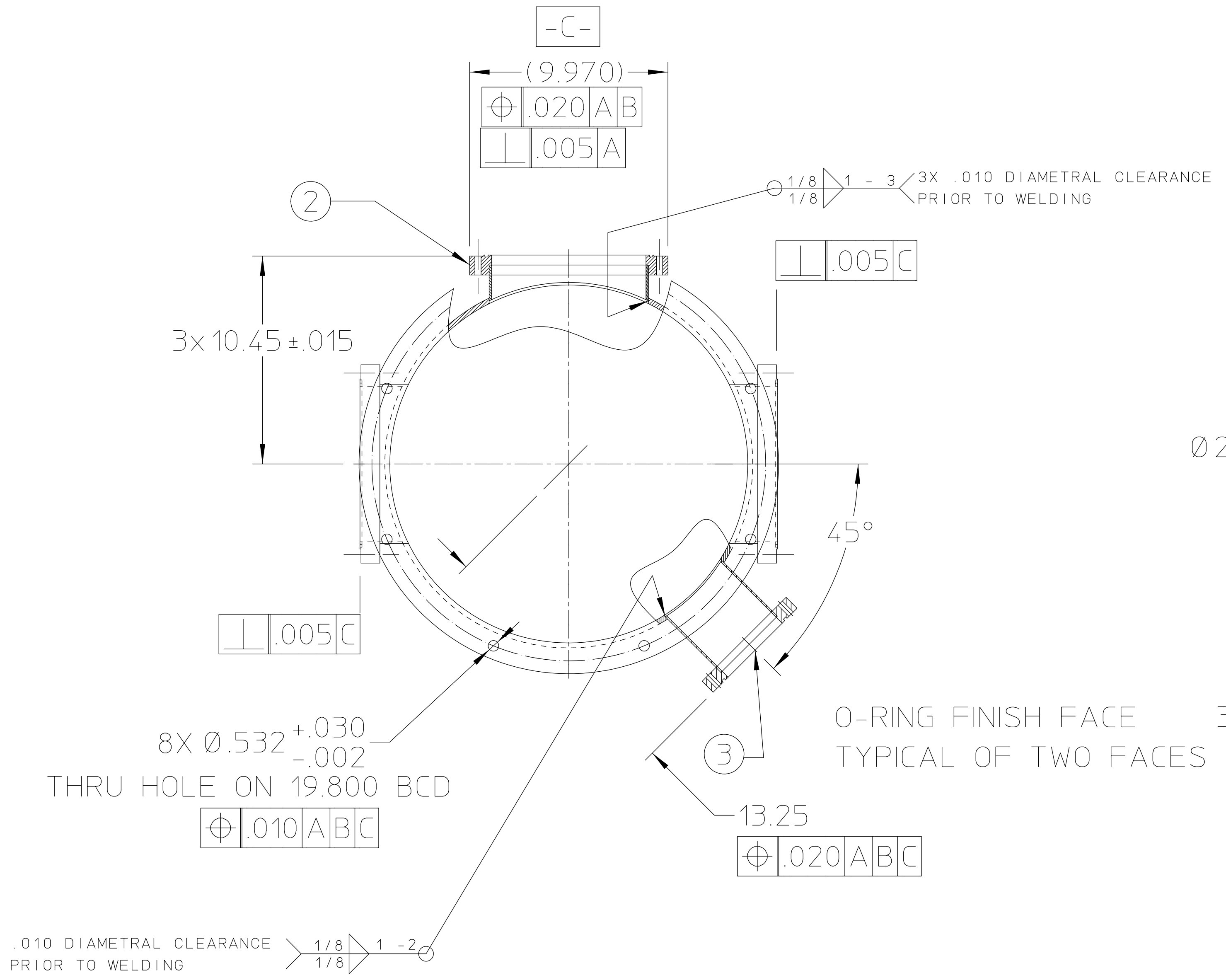


- NOTES:  
 1.THIS IS A VACUUM VESSEL  
 2.ALL JOINTS TO BE LEAK TESTED  
 ALLOWABLE LEAK RATE IS  $1 \times 10^{-7}$  T-L/SECOND  
 3.BREAK ALL SHARP CORNERS  
 4.MATERIAL IS 6061-T4 ALUMINUM



DETAIL OF ITEM 2  
(SIZE 3X)

DETAIL OF ITEM-3  
(SIZE 3X)

21C9926

1	3	-3	HALF NIPPLE WITH SPECIAL 6.00 OD FLANGE
3	2	-2	SPECIAL FLANGE, 10.00 OD, 6061-T4 ALUMINUM
1	1	-1	TUBE, 18.50 OD, 6061-T4 ALUMINUM
REVISION			DESCRIPTION
LAWRENCE BERKELEY LABORATORY			UNIVERSITY OF CALIFORNIA-BERKELEY
SNS-FRONT END SYSTEM			ION SOURCE PROTOTYPE DESIGN
NEW DIAGNOSTIC SPOOL			
IDENT. TAG	PATENT CLEAR	DWG. TYPE	SCALE 1:4
BY: S. MUKHERJEE	DATE: 03-25-99	REV. NO. 00X000	DWG. NO. 21C9926
CHK: [ ]	DATE: [ ]	DESIGN CODE 8210-14	FE1100

UNLESS OTHERWISE SPECIFIED	FRAC. ± 1/64	ACCT. NO.	SHOP ORDERS
ANGLES ± 1°	FINISH 125.7	DATE	SERIAL NO.
THREADS ARE CLASS 2	CHAMFER ENDS OF ALL SCREW THREADS 30°	ISSUE	NO. RECD.
CUT 1.5 PITCH AND RELIEF WITH BRAD NOSE TOOL	ON MACHINE CUT THREADS	BY	DATE
BREAK EDGES .016 MAX. ON MACHINED WORK	REMOVE BURRS WELD SPATTER & LOOSE SCALE	DATE	DATE
REFERENCES: ANSI Y14.5 & B46.1			

REV	DWG	CHK	ZONE	DATE	CHANGES