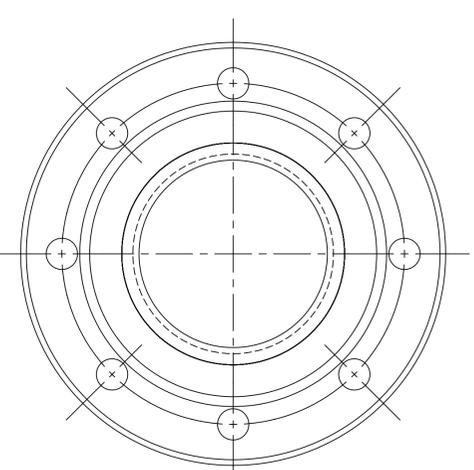
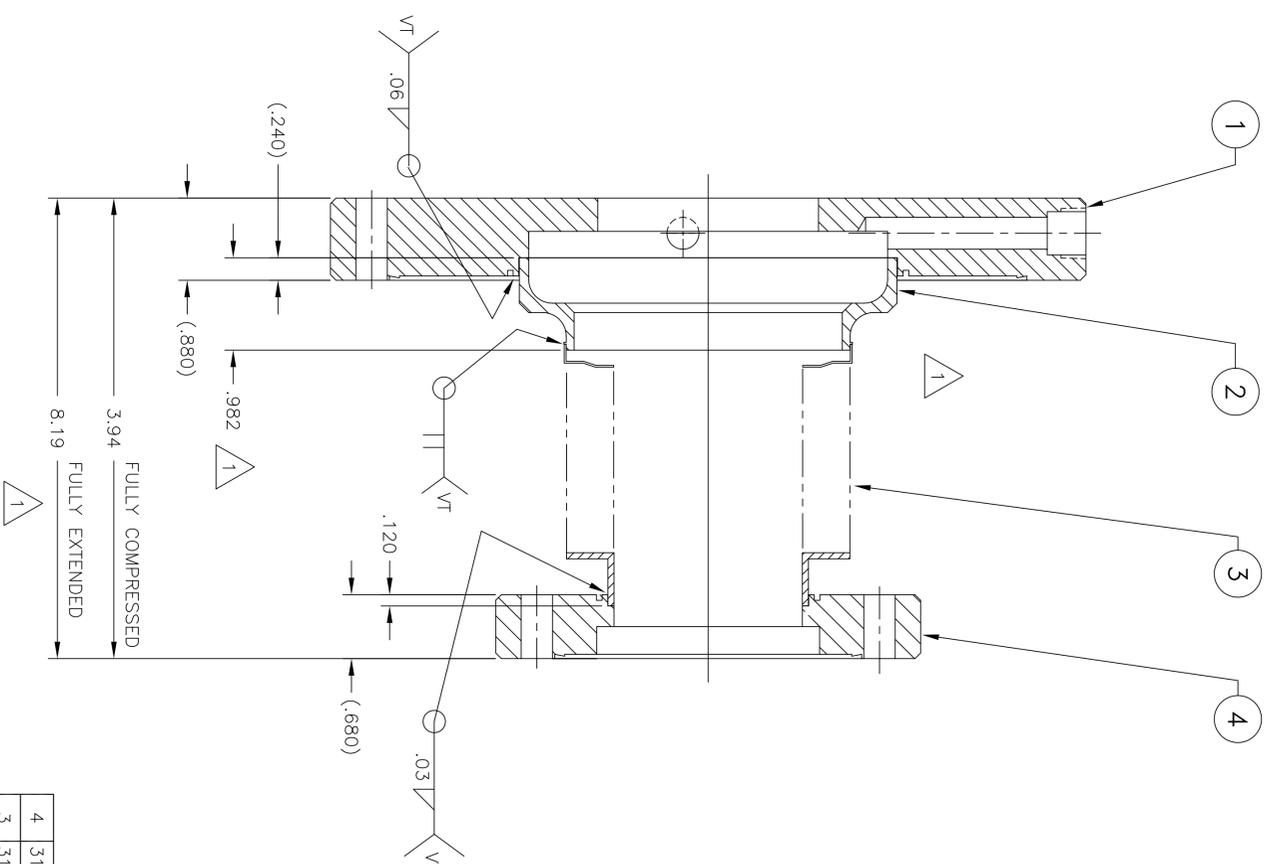
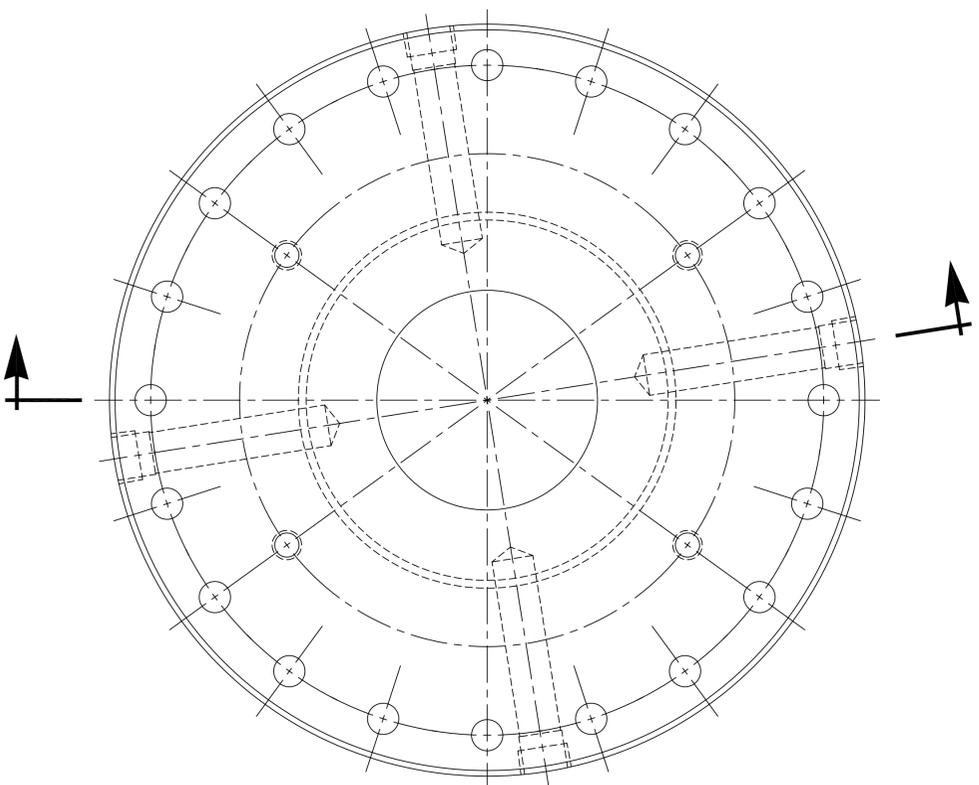


REVISIONS					
ZONE	REV	DESCRIPTION	BY	APPROVED	DATE
1	1	SEE DCN NO. 970828-01	RHP		970828-01



NOTE:

1. PARTS ARE ULTRA-HIGH VACUUM COMPONENTS.
2. MACHINE ALL PARTS TO FINAL DIMENSIONS. GRINDING, POLISHING, AND OTHER PROCESSES THAT CAN RESULT IN EMBEDDING CONTAMINATION MUST BE APPROVED BY A.N.L.
3. MACHINING SHALL BE DONE DRY OR USING A WATER SOLUBLE COOLING FLUID WHICH IS FREE OF SILICONE, PHOSPHOROUS AND HALOGENS. TRIMSOL OR CIMCOOL DILUTED TO 5% CONCENTRATION IN DI WATER IS ACCEPTABLE.
4. ALL WELDS ARE VACUUM TIGHT AND MUST PASS A HELIUM LEAK RATE TEST OF 0.76X10⁻¹⁰ TORR-LITER/SEC.

ITEM	DRAWING / PART NUMBER	QUANTITY	MATERIAL / SPEC
4	31040101-340303 FLANGE, Ø4.5	1	DETAIL
3	31040101-340302 BELLOWS ASSEMBLY	1	DETAIL
2	31040101-340304 REDUCER, BELLOWS	1	DETAIL
1	31040101-340301 FLANGE, Ø8 BASE	1	DETAIL

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES		DRAWN BY: RH PIECH		DATE: 960514
TOLERANCES: DECIMALS: .015 ANGULAR: .25°		CHECKED BY: S STARMA		DATE: 9606
X ±.1 DESIGNED BY: RICHARD H. PIECH		DATE: 960514		
XXX ±.005 SURFACE FINISH: 125		DATE: 9606		
SURFACE ROUGHNESS: 125		DATE: 9606		
REMOVE ALL BURS AND BREAK SHARP EDGES TO MAX.		DATE: 9606		
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1		DATE: 9606		
MATERIAL: SEE PARTS LIST		DATE: 9606		
ELECTRONIC FILE NAME: A2421401		DATE: 9606		

USED ON 31040101-340000

THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY ADVANCED PHOTON SOURCE

TITLE: STORAGE RING, TECHNICAL COMPONENTS STORAGE RING, TECHNICAL COMPONENTS RF SYSTEMS 352 MHZ SYSTEM CAVITY

SIZE FROM No. D OHRHS 31040101-340300 01

SCALE: 1:1 DO NOT SCALE DRAWING SHEET 1 OF 1