ITEM	REQD	PART NUMBER	DESCRIPTION

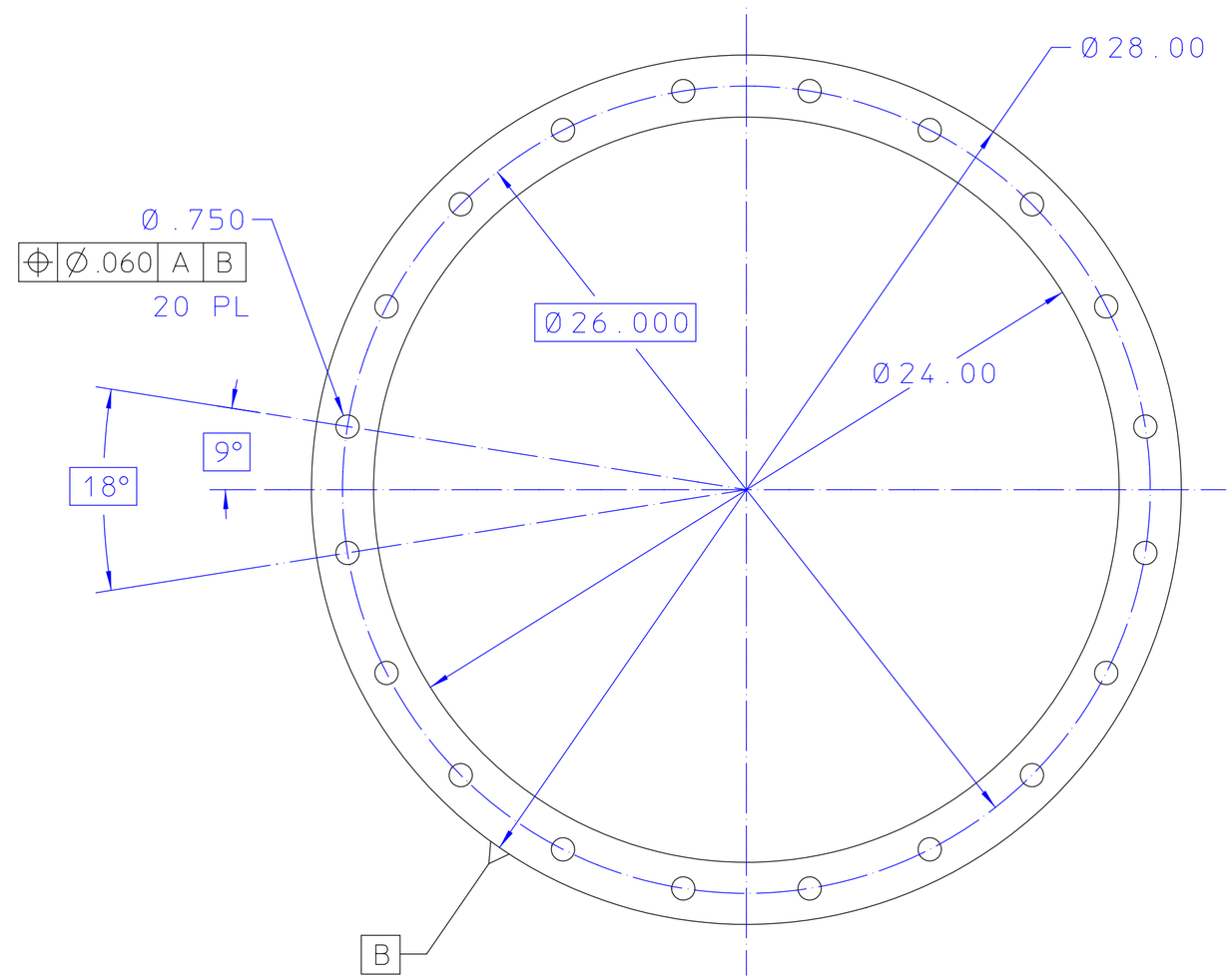
NOTES (UNLESS OTHERWISE SPECIFIED):

1) DIMENSIONS IN INCHES.

2) SEAL:
   2.1) DESIRED SEAL LIFE: 10 YEARS
   2.2) NO. OF PRESSURE CYCLES: 12/YEAR
   2.3) NO. OF MECHANICAL DEFLECTIONS:
        INCIDENTAL PERSONNEL TRAFFIC - MINOR.
   2.4) NO. OF TIMES DISASSEMBLED: 2/YEAR

3) ENVIRONMENTAL CONDITIONS:
   3.1) VAPOR TO BE SEALED: LIQUID SCINTILLATOR =
        80% N12 + 20% PSEUDOCUMENE + 1.5 g/l PPO.
          N12 = DEDECANE - CH3(CH2)10CH3
          PSEUDOCUMENE = 1,2,4-TRIMETHYLBENZENE
          PPO = 2,5-DIPHENYLOXAZOLE
   3.2) TEMPERATURE EXTREMES: 15°C TO 25°C
   3.3) EXTERNAL ATMOSPHERE: CLEAN, UNDER-
        GROUND, CONTROLLED
   3.4) PRIMARY GAS TO MINIMIZE DIFFUSION: RADON.

4) SOURCE SPECIFICATION:
   MATL: DUPONT VITON, 1/8_IN THICK,
   70 DUROMETER, VULCANIZED JOINTS.
   FROM: AMERICAN PACKING & RUBBER, INC.
   538 STONE ROAD, STE. H
   BENICIA, CA 94510
   800-499-8362
   RICH BENNALLACK
   2 WEEKS ARO, APPROX: $513.00



21F9193

REV	DWG	CHK	ZONE	DATE	CHANGES
1	PL	CF		06-23-00	UPDATED FOR RELEASE

UNLESS OTHERWISE SPECIFIED

TOLERANCES			
	.X ± .1	FRAC. ±1/64	
	.XX ± .01	ANGLES ± 0.5°	
	.XXX ± .005	FINISH 125√	

THREADS ARE CLASS 2
CHAMFER ENDS OF ALL SCREW THREADS 30°.
CUT 1.5 PITCH THRD RELIEF WITH ROUND NOSE TOOL
ON MACHINE CUT THREADS.
BREAK EDGES .016 MAX. ON MACHINED WORK
REMOVE BURRS WELD SPLATTER & LOOSE SCALE
REF: ASME Y14.5M & ANSI B46.1.

SHOP ORDERS

ACCT. NO.	SERIAL NO.	
DATE ISSD	DATE REQD.	NO. REQD.
DELIVER TO		
SURFACE TREATMENT	CLEAN	
IDENT. METH.	TAG	
DWG. BY	PAL	DATE 06-22-00
CHK. BY	CGF	DATE 06-23-00

LAWRENCE BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA-BERKELEY

KamLAND
CALIBRATION & MONITORING
GASKET, M5B

PATENT CLEAR	DWG. TYPE	SHOWN ON	SCALE	DO NOT SCALE PRINTS
	DETAIL		FULL	
MICROFILMED	DESIGN ACCT. NO.	CATEGORY CODE	DWG. NO.	SIZE / REV.
	KLNK155		21F9193	1