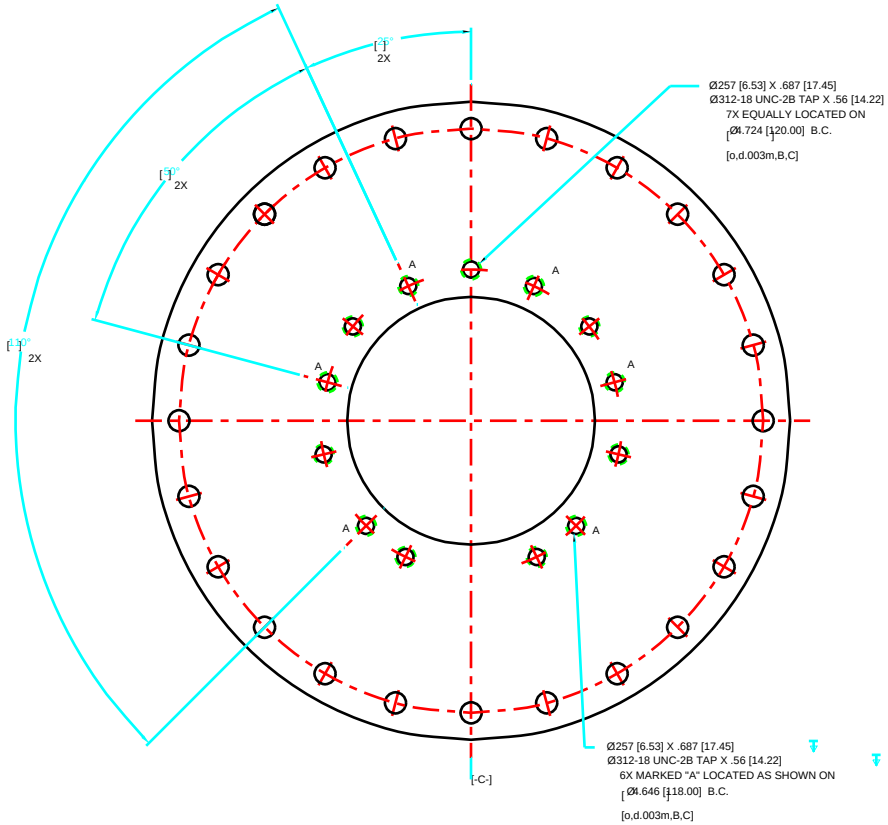

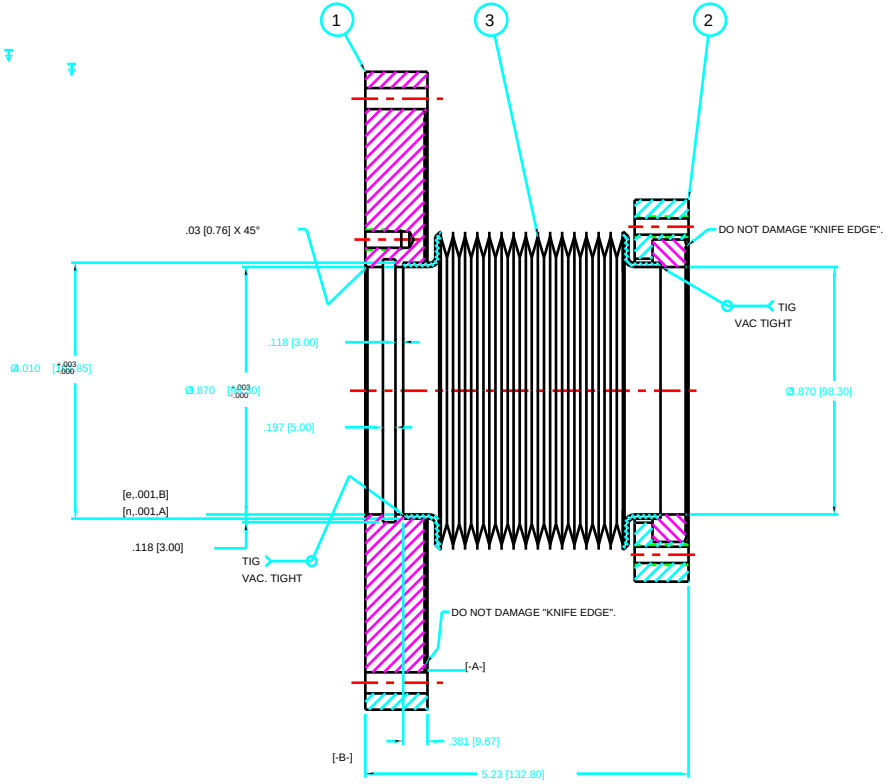

2 STANDARD WELDED BELLOWS Co.
375 TURNPIKE AVE
WINDSOR LOCKS, CONN. 06096
PHONE: 203/ 623-2307

1 ADVENT ASSOCIATES
5808 NORTH ST. LOUIS AVE
CHICAGO, IL 60659
PHONE: 312/ 583-7979
FAX: 312/ 583-7260

NOTES:

1. MAKE FROM MDC VACUUM COMPONENTS, #100008 OR EQUAL.
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE, SULPHUR-BASED CUTTING FLUIDS AND ABRASIVES IS PROHIBITED. USE TRIM SOL OR APPROVED EQUAL LUBRICANT.
3. FOR COMPLETE SPECIFICATIONS ON MACHINING, CLEANING, VACUUM REQUIREMENTS, TESTING AND DELIVERY PREPARATION, SEE ANL DOCUMENT #410201-00095.
4. FOR COMPLETE WELDING SPECIFICATION, SEE ANL DOCUMENT #AMS 26A5C.
5. DIMENSIONS IN BRACKETS [ ] ARE MILLIMETERS.

	ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
2	3	497-400-3-EE	BELLOWS WITH TWO END FLANGES		1
1	2	120026	FLANGE ROTATABLE 6" O.D.		1
1	1	110032	FLANGE NONROTATABLE 10" O.D.		1

PARTS LIST

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE

REVISIONS

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: .X ± .015 [.381]; .XX ± .010 [.254]; .XXX ± .005 [.127]
ANGULAR ± .35
SURFACE ROUGHNESS 125
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5
DO NOT SCALE DRAWING

LOG NUMBER A16685

THIS DRAWING IS THE PROPERTY OF
ARGONNE NATIONAL LABORATORY

		DATE
DRAWN BY	E. GALINOVSKAYA	2/94
CHECKED BY	V. TCHESKIDOV	2/94
DESIGNER	E. GALINOVSKAYA, V. TCHESKIDOV	2/94
RESPONSIBLE ENGINEER	V. TCHESKIDOV	2/94
CHIEF DESIGN ENGINEER	D. SHU	
GP LEADER	T. M. KUZAY	
PROJECT MGR		
APPROVED/RELEASED		

TITLE
ADVANCED PHOTON SOURCE
A2-82 HEAVY LOAD STEPPING
70mm-10"O.D. LINEAR
ACTUATOR
BELLOWS WELDING
ASSEMBLY

MATERIAL SEE B.O.M.
SCALE 1:1
SHEET 1 of 1
SIZE D
DRAWING NUMBER P4105090102-820100-00