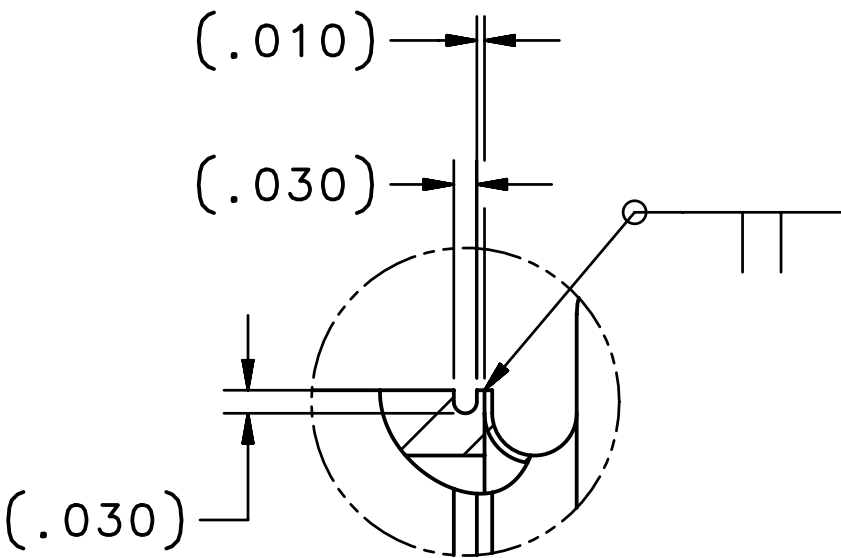
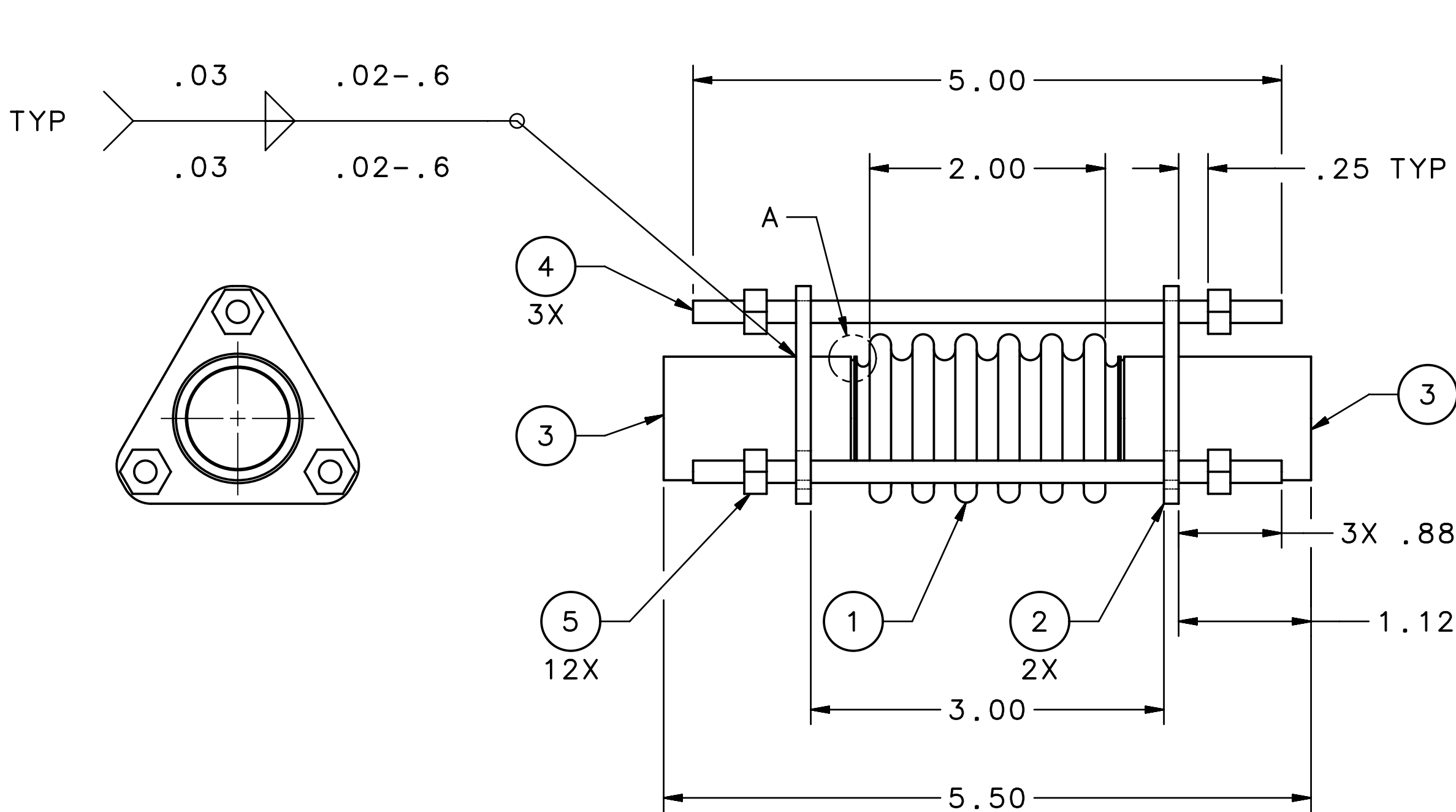


REVISION HISTORY			
ZONE	REV	DESCRIPTION	DATE/REVISER



DETAIL A
(2 PLACES)
SCALE 4:1

BELLOWS INFO:

FREE LENGTH	-----	5.50 "
I.D.	-----	.97 "
O.D.	-----	1.43 "
WALL	-----	.010 "
DESIGN PRESS.	-----	200 PSIG
SPRING RATE	-----	235 LB/IN MAX
AXIAL TRAVEL	-----	±.5 "
LATERAL TRAVEL	---	±.18 "
OPERATING TEMP.	---	30-300K
CYCLES	-----	2,000

NOTES:

- FABRICATE PER STATEMENT OF WORK 104211100-M8U-8200-A002-SOW
- CLEAN AND HANDLE PER TJNAF SPECIFICATION 11141-S-0035
- ASSEMBLY SHALL COMPLY WITH THE REQUIREMENTS OF ASME B31.3,
- BELLOWS SQUIRM PREVENTION SHALL BE INHERENT IN THE DESIGN/CONSTRUCTION OF THE BELLOWS ASSEMBLY. THE PRESENCE OF BELLOWS SQUIRM DURING THE ASME B31.3 LEAK TEST IS NOT PERMISSIBLE.

6	5	-	HEX NUT-SELF LOCK #10-24 UNC	STAINLESS STEEL 304	
3	4	-	THREADED ROD #10-24 UNC X 5LG	BRASS	
A/R	3	-	3/4 IPS SCH 10S PIPE	STAINLESS STEEL 304 ASTM A312	
2	2	CRM9005010-1044	SHIELD BELLOWS PLATE		
1	1	-	BELLOWS-1.43 O.D.	STAINLESS STEEL 321	
QTY REQD	ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	NOTES

PARTS LIST

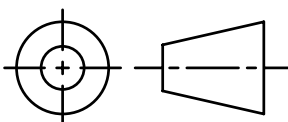
FOR JLAB INTERNAL USE ONLY

SEE ES&H MANUAL CHAPTER 6151 FOR PRESSURE AND VACUUM SYSTEMS SAFETY SUPPLEMENT AND WELDING AND BRAZING SUPPLEMENT

WELD CLASS	PRESSURE/VACUUM CLASS
CODE	ASME B31.3
	PRESSURE SYSTEMS NUMBER
	PS-CRM-18-001

DIM & TOL PER ASME Y14.5 2009
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMAL ANGLES
± 1/8 .XX ±.1 ±.50°
.XX ±.01
.XXX ±.005

THIRD ANGLE PROJECTION



MATERIAL

SEE PARTS LIST

FINISH 125 UNLESS
MACHINED SURFACES OTHERWISE
DEBURR & BREAK ALL SHARP EDGES

DO NOT SCALE DRAWING

DRAWN
J.ARMSTRONG

DATE
11JUN19

United States
Department
of Energy

Jefferson Lab
Thomas Jefferson National Accelerator Facility

Newport News
Virginia

CRM
SPALLATION NEUTRON SOURCE - PPU
50K SHIELD
SHIELD BELLOWS ASSEMBLY

SIZE	DWG. NO.	REV.
C	104211100-M8U-8200-A042	-
SCALE 1:1	USED ON ASSY NO.104211100-M8U-8200-A003	SHEET 1 OF 1