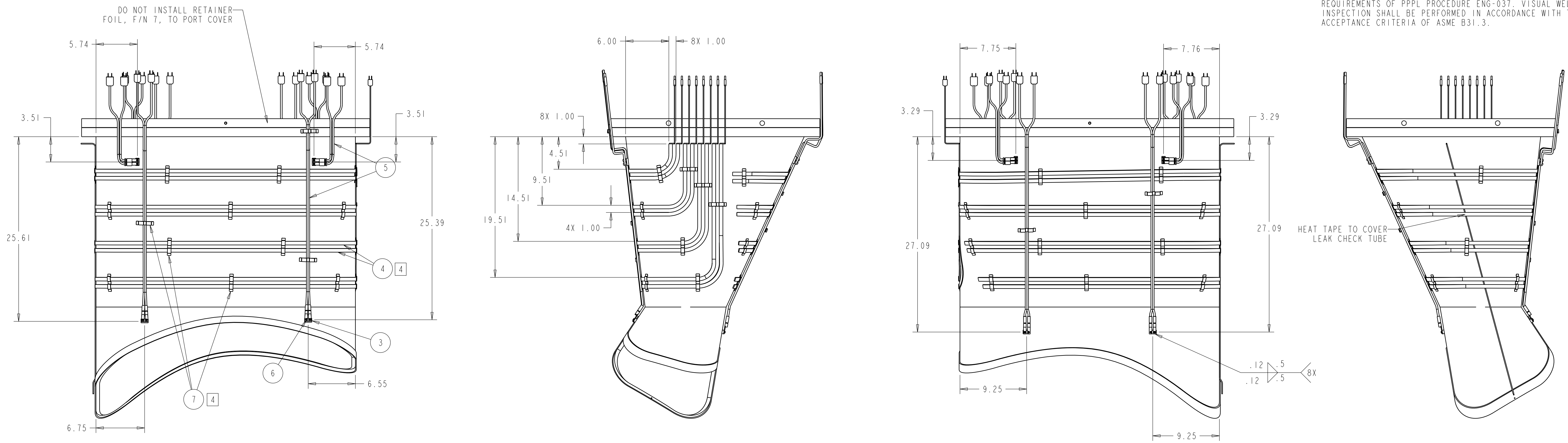
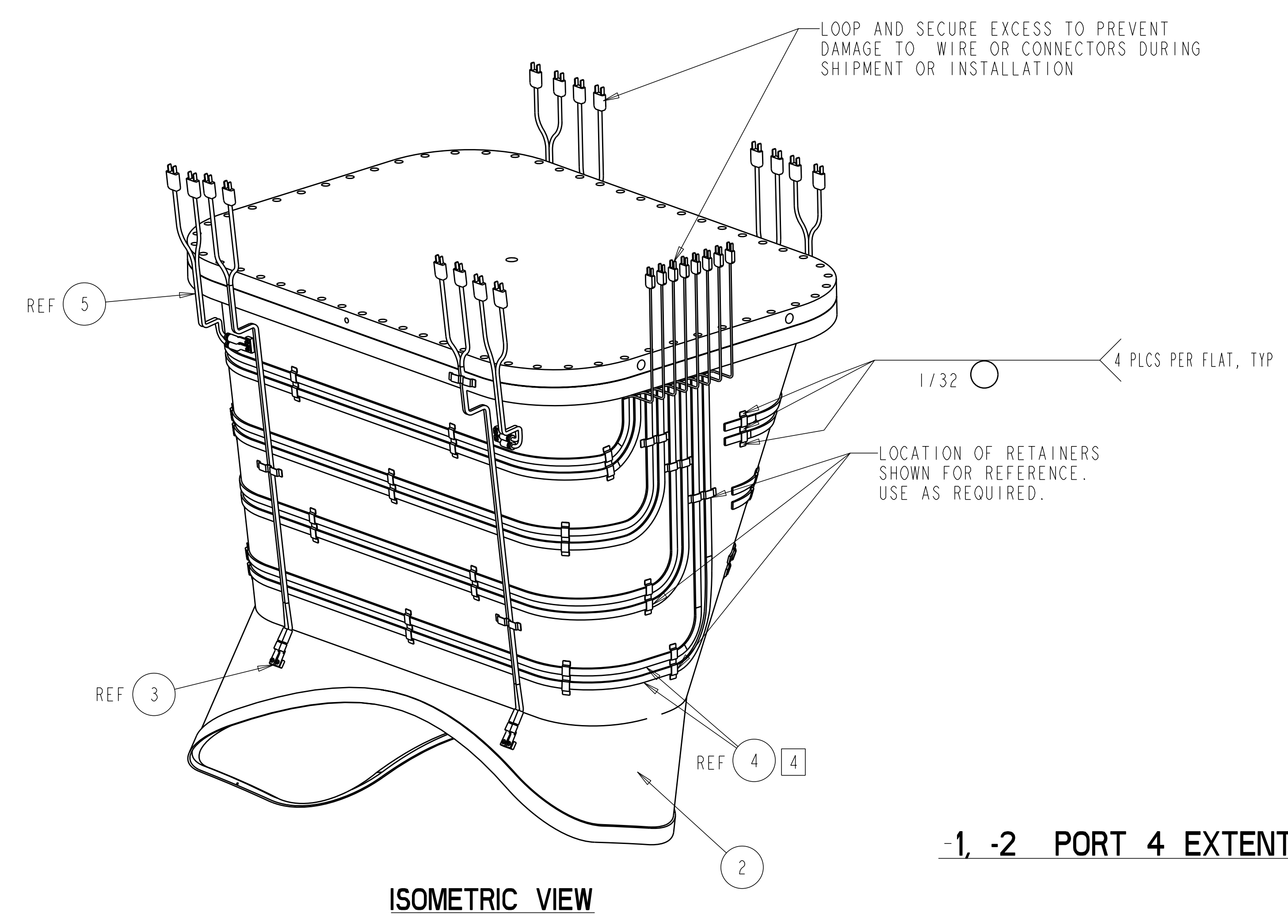


- NOTES
- DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004.
 - INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
 - DIMENSIONS ARE IN INCHES.
 - EVENLY DISTRIBUTE THE ENTIRE LENGTH OF HEAT TAPE ACROSS THE SURFACE OF THE PORT. ADJUST PITCH OF HEATER TAPE TO ENSURE FULL COVERAGE. USE FOIL, F/N 8, SPOT WELDED ACROSS HEAT TAPE AND THERMOCOUPLES TO SECURE IN PLACE.
 - MAGNETIC PERMEABILITY NOT TO EXCEED 1.02 AS TESTED BY A SEVERN INDICATOR. AVAILABLE FROM:
 SEVERN ENGINEERING
 AUBURN, ALABAMA 36830
 WWW.SEVERNGINEERING.COM
 - WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF PPPL PROCEDURE ENG-037. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF ASME B31.3.

NOTE: ALL DIMENSIONS WITH 2 PLACE DECIMALS TOL = ± 0.25



RELEASED FOR FABRICATION / INSTALLATION
 PPPL Drafting:



-1, -2 PORT 4 EXTENTION WITH HEAT TAPE AND THERMOCOUPLES
 SCALE 0.180

REV	QTY	UNIT	DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO		
4	AR	AR	HEAT TAPE RETENTION FOIL	36 GA. (.005 THK) X 1.00 WIDE INCONEL 625 OR 316 SST	ASTM B443 ASTM A240	7		
16	16		#6-32 UNC X .38 LG PAN HEAD PHILIPS MACHINE SCREW	316 SST		6		
16	16		THERMOCOUPLE - 36" LEADS ISOLATED	McMASTER-CARR ATLANTA, GA 30336-2852 (404) 346-7000 WWW.MCMMASTER.COM		5		
8	8		HEAT TAPE .50 WIDE X 120" LONG LEADS ON SAME END NON MAGNETIC		OMEGA ENGINEERING, INC. STAMFORD, CONNECTICUT 06907 (800)-848-4286 WWW.OMEGA.COM	4		
8	8		THERMOCOUPLE MOUNT PLATE			3		
1			PORT 4B EXTENTION WELDMENT			2		
1			PORT 4A EXTENTION WELDMENT			2		
AR			-2			1		
AR			-1			1		
SE122-002	-2		CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
				NEXT ASSEMBLY	PARTS LIST			

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF, ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES, AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

P THIS DRAWING PRODUCED ON PRO-ENGINEER

WELDING ENGINEER
 APPROVED G. GETTELFINGER DATE: 01/2007

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
0	ORIGINAL ISSUE	GWM	01/07	SP		01/07						
	REVISION OR ISSUE PURPOSE											

SCALE NOTED
 TOLERANCES UNLESS OTHERWISE SPECIFIED

FRACTIONS :
 XX DECIMALS ± .25
 XXX DECIMALS ± .005
 ANGLES ±0°15'
 BREAK SHARP EDGES .06 MAX
 FINISH .125 UNLESS OTHERWISE SPECIFIED

DES: PL GORANSON 01/07
 DRW: G MCGINNIS 01/07
 CHK: S PARSON 01/07

UT-BATTELLE
 NATIONAL COMPACT STELLARATOR EXPERIMENT
 PORT 4 EXTENTION WITH HEAT TAPE AND THERMOCOUPLES

PPPL DRFT J SIEGEL 01/07
 VERSION NO. 16
 PLANT ORNL
 BLDG 5700
 FL 3
 SHT 1
 TYPE A
 CLASS U
 REV 0

RELEASE LEVEL Fabrication
 SE123-156