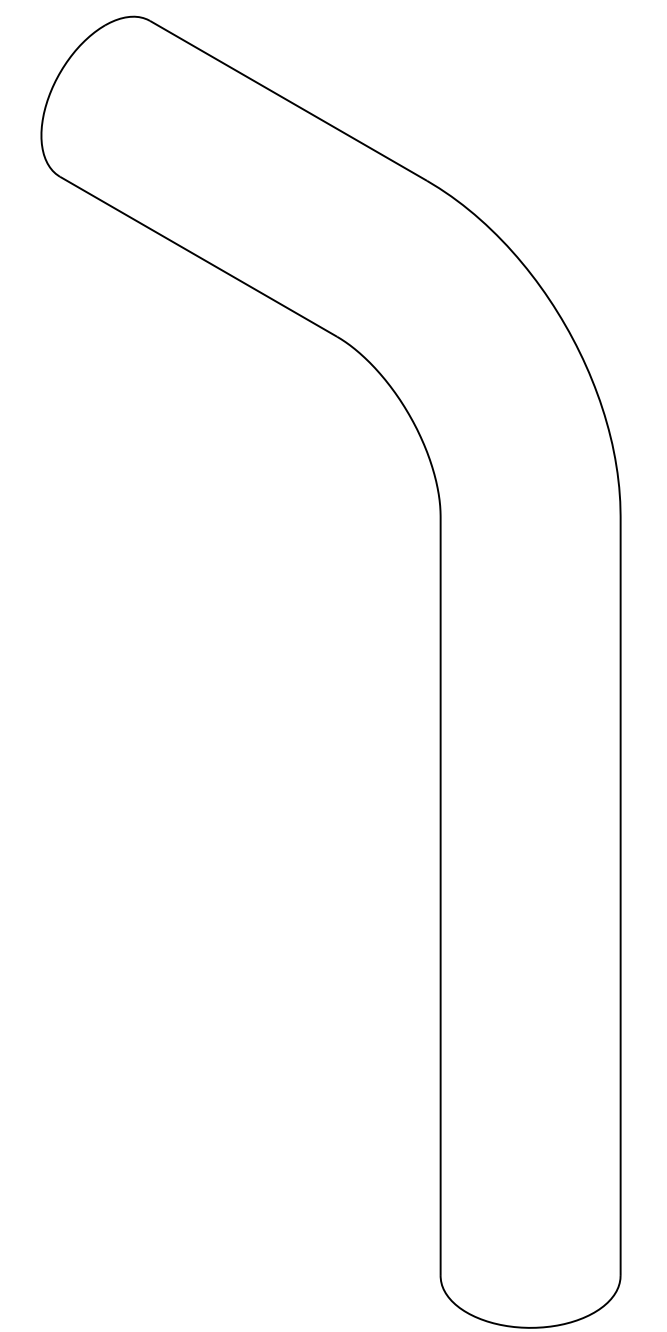
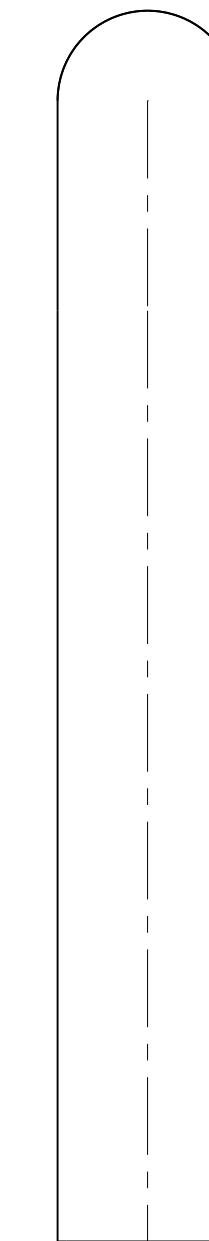
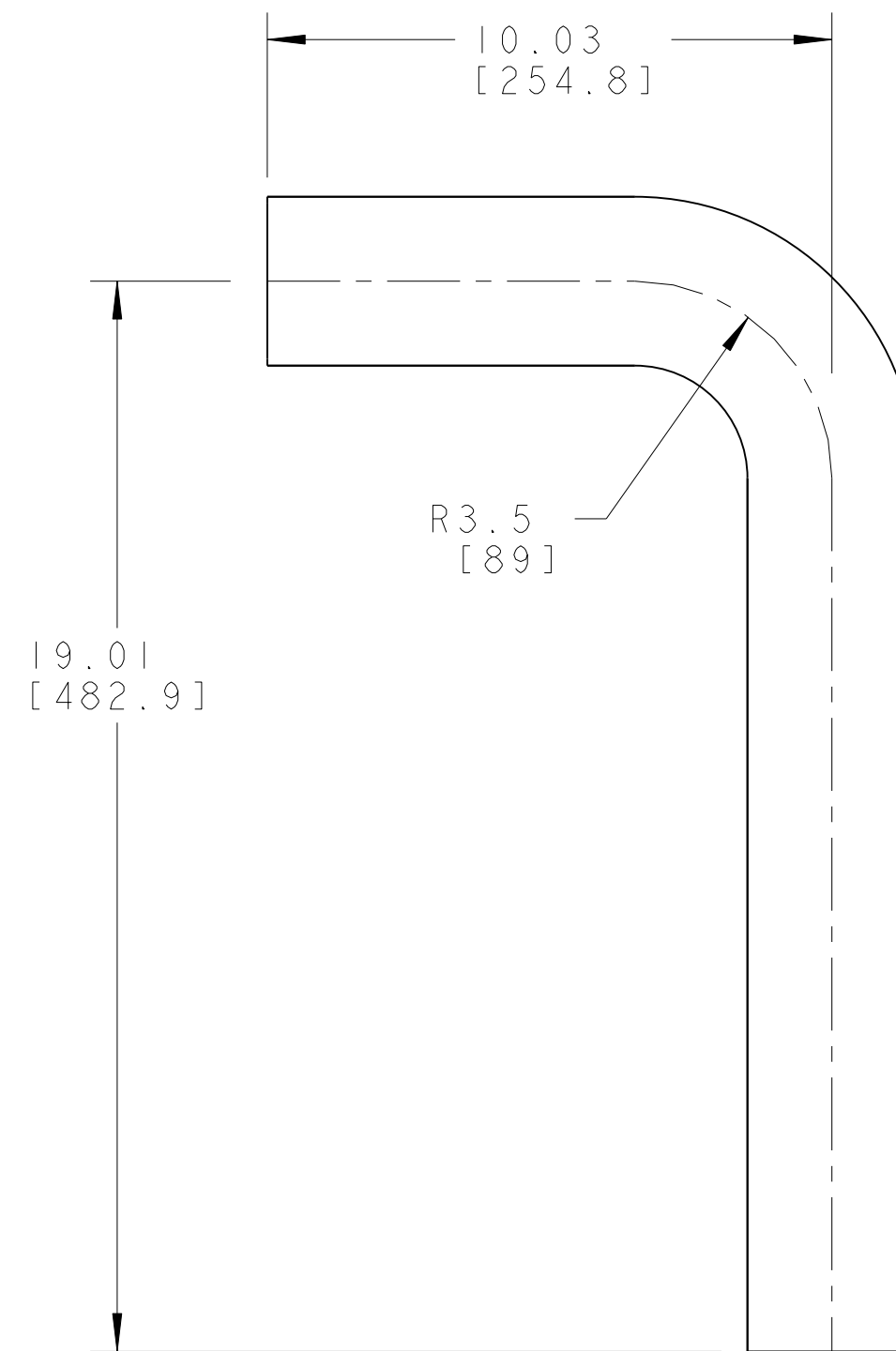


NAME: ARHARRIS OBJECT: 251549 DATE: 08-Nov-02 09:11:25

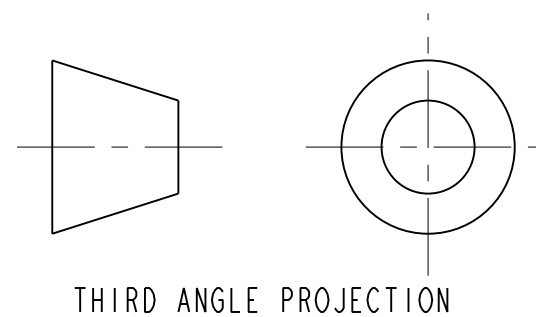
DWG. NO. 2515494	SIZE A	REV. 1	SH.
DESCRIPTION TUBE, PER ASTM A269		MATERIAL SS 304L	MAT. LOCATION

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. THIS IS A CRYOGENIC VACUUM COMPONENT.
2. WELDING PROCEDURE: PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
3. CLEANING PROCEDURE : PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
4. PACKAGING AND STORAGE PROCEDURE OF THE COMPONENTS: PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
5. DIMENSIONS AND TOLERANCING PER ANSI Y14.5M-1982. UNITS ARE IN INCHES [mm] UNLESS OTHERWISE SPECIFIED.
6. USE OF SULFUR OR SILICONE BEARING OILS, LUBRICANTS, OR COOLANTS ARE STRICTLY PROHIBITED.
7. USE OF RESIN OR RUBBER BONDED ABRASIVES UNDER POWER IS STRICTLY PROHIBITED. USE VITREOUS BONDED ABRASIVES ONLY.
8. VENDOR SUGGESTED CHANGES TO WELD PREPS; SUBJECT TO LBNL APPROVAL.
9. FITTINGS MAY BE USED IN PLACE OF BENDS; SUBJECT TO LBNL APPROVAL.
10. VENDOR SUGGESTED CHANGES TO TOLERANCES TO FACILITATE FABRICATION OR ASSEMBLY; SUBJECT TO LBNL APPROVAL.
11. REMOVE ALL THE BURRS AND REAM THE ENDS FOR CIRCULARITY AND CLEAN ENDS.
12. TUBE END SURFACE MUST BE PERPENDICULAR TO THE TUBE AXIS WITHIN +/- .010.
13. PERFORM ACCEPTANCE TESTS PER SECTION 3.2 OF LBNL SPECIFICATION M856.



SCALE 5/16



REV	DWG	CHK	ZONE	DATE	CHANGES
A	ARH	SV		11-01-02	INITIAL RELEASE

UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		SER NO.	-
TOLERANCES	X.X ± 0.1	FRAC.	± 1/64	NO.	REGD.
	X.XX ± 0.03	DEL		DATE	ISSD
	X.XXX ± 0.010	FINISH	125 \sqrt{Ra}	DATE	REQD.
DO NOT SCALE PRINT		SURFACE TREATMT		-	
THREADS ARE CLASS 2		TIDENT METHOD		TAG	
CHAMFER ENDS OF ALL SCREW THREADS 30°		PROJECT NUMBER		N/A	
CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS		PROJECT NAME		N/A	
BREAK EDGES .016 MAX. ON MACHINED WORK		DWG BY		KNOLLS	
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE		CHK BY		Jon Zbosnik/S.Virastek	
IN ACCORDANCE WITH ASME Y14.5M & B46.1		APR BY		Jon Zbosnik/D.Oshatz	
		DATE		13-Aug-01	
		DATE		29-Oct-02	
		DATE		29-Oct-02	

ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
LHC IR FEEDBOX CRYOGENICS PIPE, XB, SURGE TANK ATTACHMENT			
MICROFILMED:	DWG. TYPE	SHOWN ON	SCALE: 5/16
	PART	-	DO NOT SCALE PRINTS
PATENT CLEAR:	DESIGN ACCT. NO.	CATEGORY CODE	SHEET 1 OF 1
	Z5LCE2	LH2003	DWG. NO. 2515494
			SIZE A