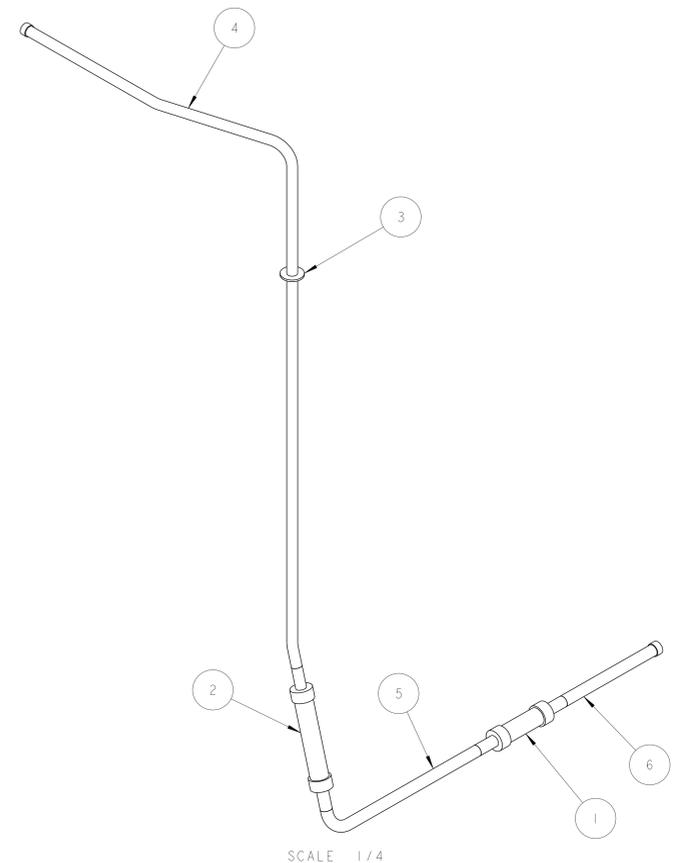
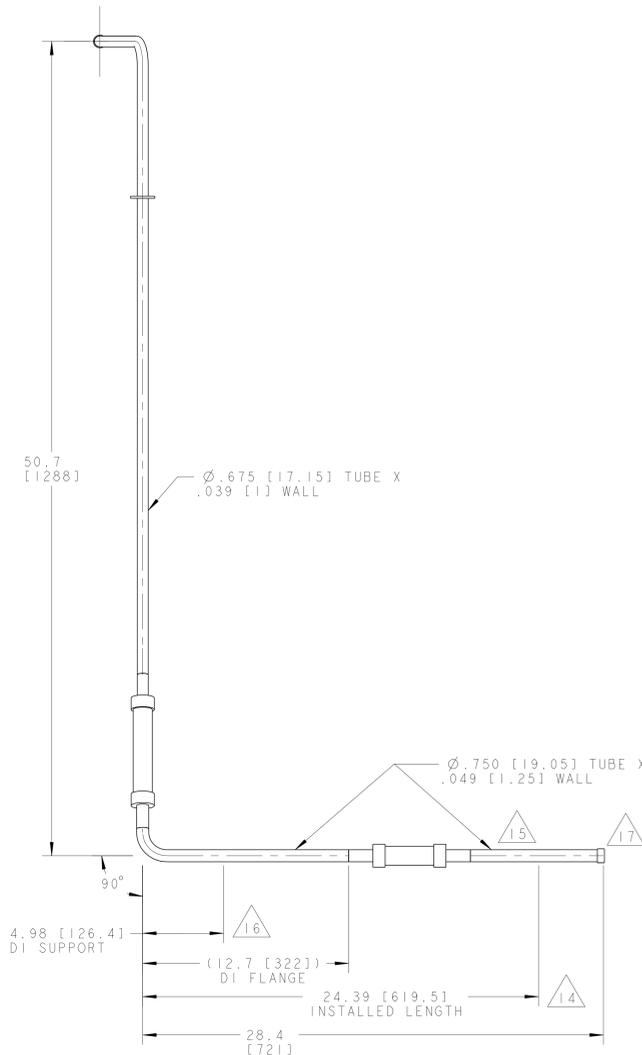
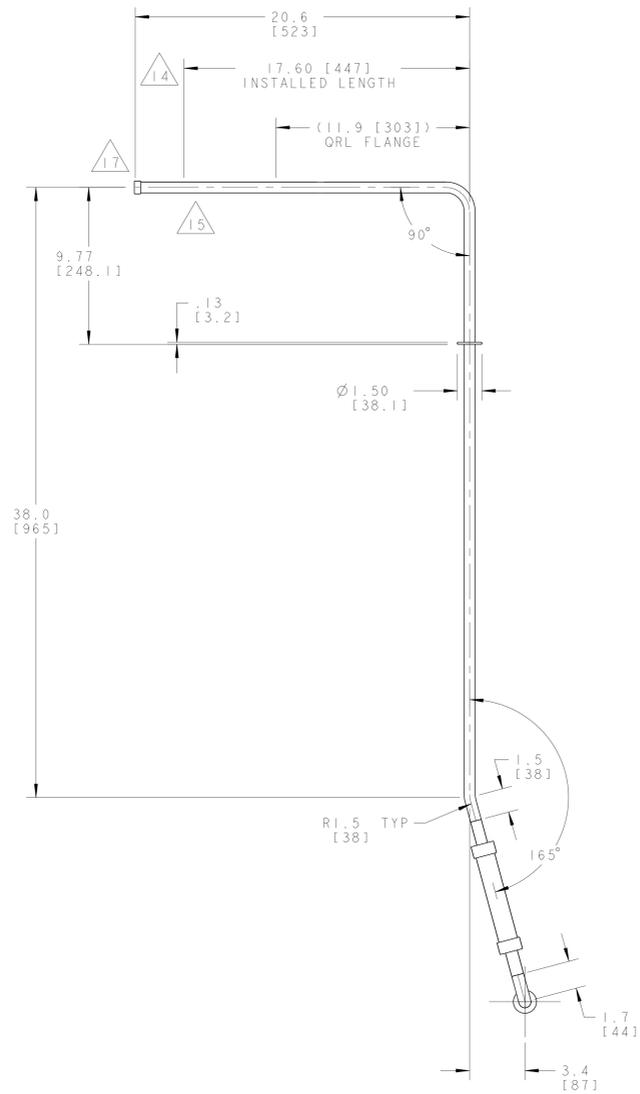
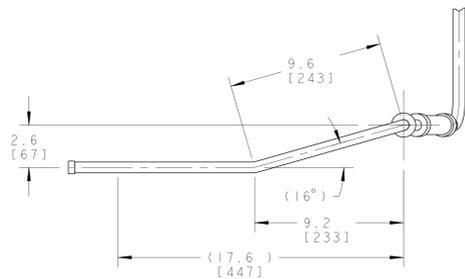


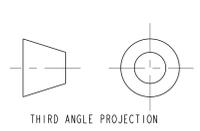
NOTES: (UNLESS OTHERWISE SPECIFIED)

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.
14. A MARK DESIGNATING THE INSTALLED LENGTH WILL BE UTILIZED DURING FINAL INSTALLATION OF THE FEEDBOX ASSEMBLY. MARK, SCRIBE OR ETCH THIS LOCATION IN A PERMANENT MANNER, SUBJECT TO LBNL APPROVAL, TO AN ACCURACY OF 0.063".
15. PROVIDE A MINIMUM LENGTH OF 4.0" OF STRAIGHT, SMOOTH PIPE ON THE INDICATED SIDE OF THE INSTALLED LENGTH MARK FOR PIPE WELDING DURING FINAL INSTALLATION OF THE FEEDBOX ASSEMBLY.
16. PIPE MUST BE STRAIGHT AND SMOOTH (NO BUMPS) FOR 0.5" ON EITHER SIDE OF THE CENTER-PLANE OF THE SUPPORT.
17. CAP BOTH ENDS OF PIPE AFTER ACCEPTANCE TESTS PER SECTION 3.2 OF LBNL SPECIFICATION M856.



ITEM	PART NO.	QTY	DESCRIPTION	MATERIAL
6	-	1	TUBE, PER ASTM A269	SS 304L
5	-	1	TUBE, PER ASTM A269	SS 304L
4	-	1	TUBE, PER ASTM A269	SS 304L
3	-	1	COLLAR	SS 304L
2	-	1	BRAIDED FLEX HOSE, 3/4" ID X 5.4' LL	SS 300 SERIES
1	-	1	BRAIDED FLEX HOSE, 3/4" ID X 3' LL	SS 300 SERIES

UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		ERNEST ORLANDO LAWRENCE	
TOLERANCES	X.X ± 0.1 FRACTION ± 1/64	NO.	DATE	UNIVERSITY OF CALIFORNIA - BERKELEY	
	X.XX ± 0.03 ANGLES ± 1.00°	REV.	DATE	LHC IR FEEDBOX	
	X.XXX ± 0.010 FINISH 125 μm	APP.	DATE	CRYOGENICS	
DO NOT SCALE PRINT	THREADS PER CLASS?	DATE	DATE	PIPE, E2	
CHAMFER ENDS OF ALL SCREW THREADS 30°	DO NOT SCALE PRINT	DATE	DATE	SCALE: 1/4	
DO NOT SCALE PRINT	DO NOT SCALE PRINT	DATE	DATE	SHEET 1 OF 1	
BREAK EDGES .016 MAX. ON MACHINED WORK	REMOVE BURRS, WELD SPATTER A LOOSE SCALE	DATE	DATE	DWG. NO. 2512436	
IN ACCORDANCE WITH ASME Y14.5M-1982	IN ACCORDANCE WITH ASME Y14.5M-1982	DATE	DATE	REV. A	



THIRD ANGLE PROJECTION

REV	DATE	BY	CHK	ZONE	DATE
A	11-24-02	SPV			
INITIAL RELEASE CHANGES					