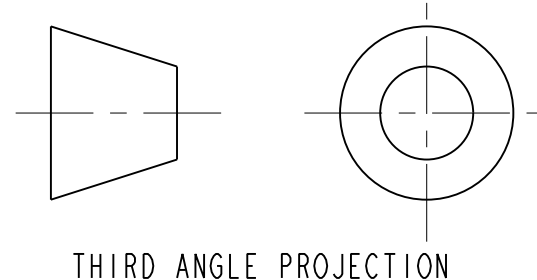
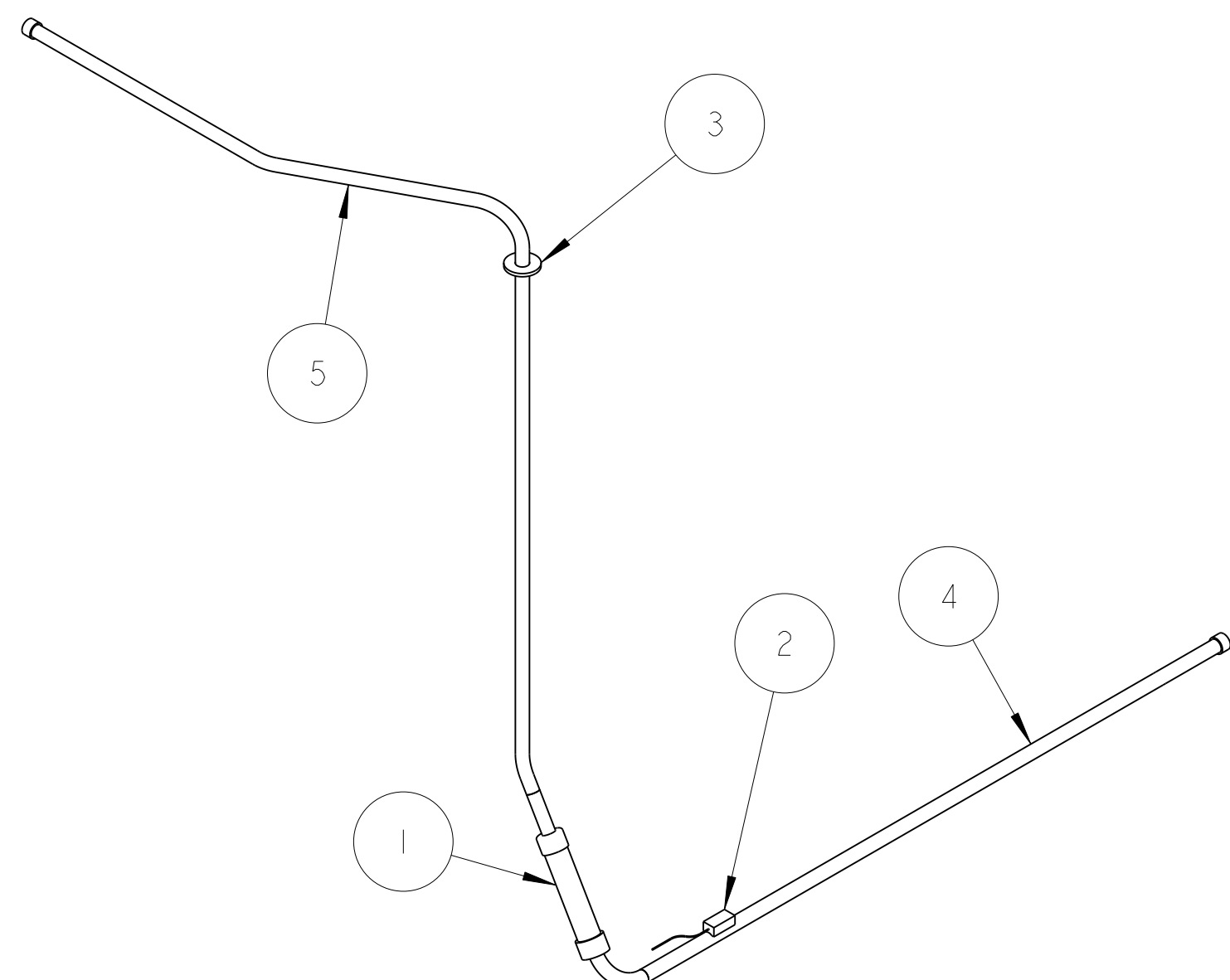
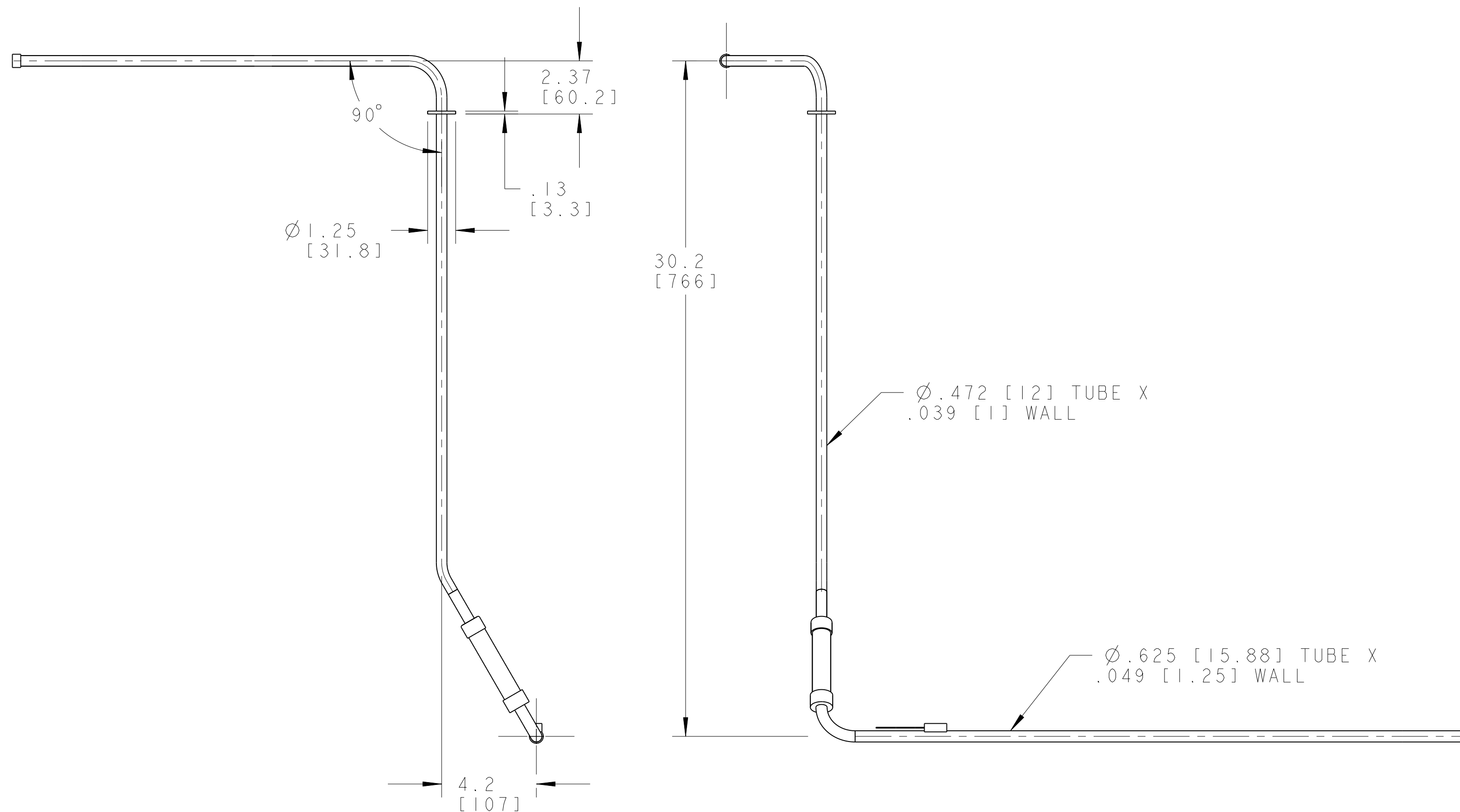
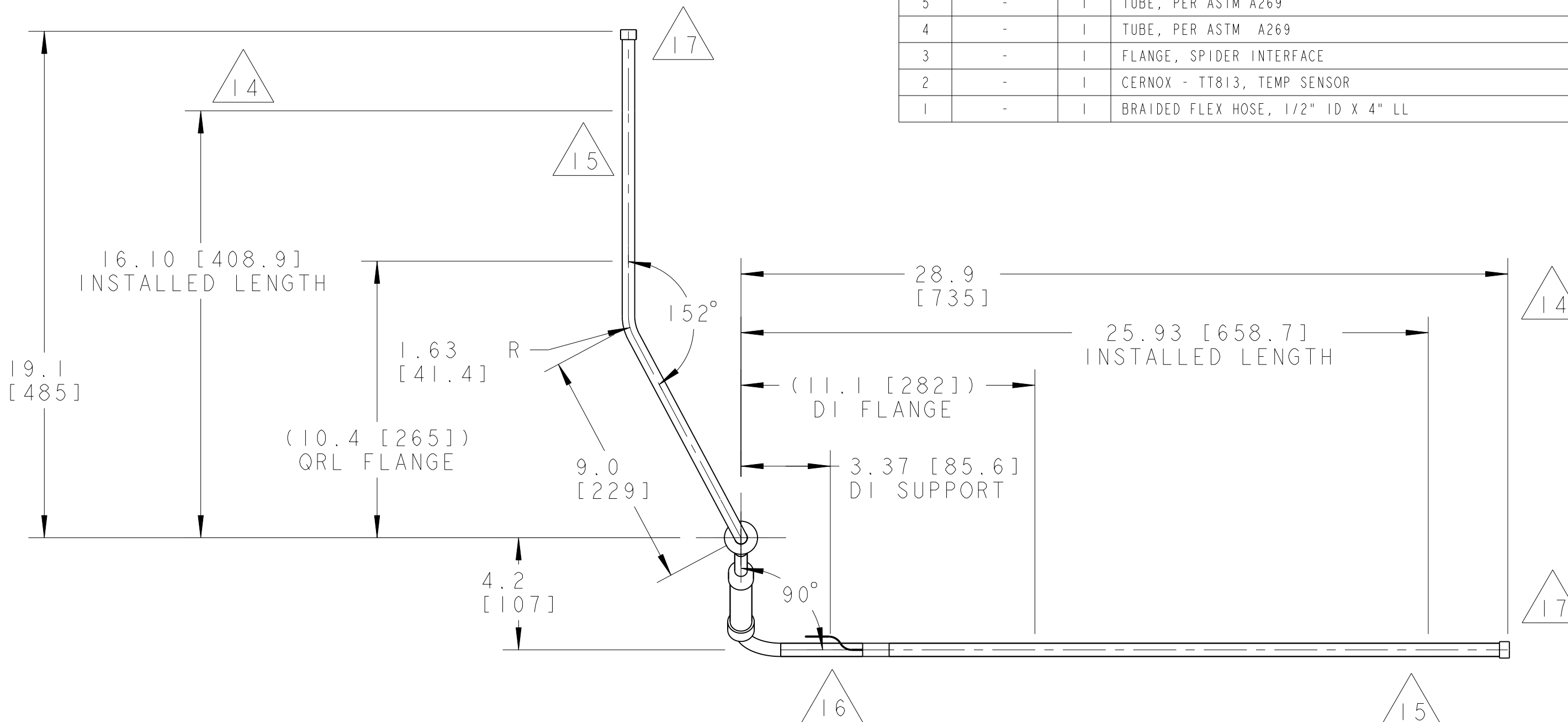


NOTES: (UNLESS OTHERWISE SPECIFIED)

- THIS IS A CRYOGENIC VACUUM COMPONENT.
- WELDING PROCEDURE: PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
- CLEANING PROCEDURE : PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
- PACKAGING AND STORAGE PROCEDURE OF THE COMPONENTS: PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
- DIMENSIONS AND TOLERANCING PER ANSI Y14.5M-1982. UNITS ARE IN INCHES [mm] UNLESS OTHERWISE SPECIFIED.
- USE OF SULFUR OR SILICONE BEARING OILS, LUBRICANTS, OR COOLANTS ARE STRICTLY PROHIBITED.
- USE OF RESIN OR RUBBER BONDED ABRASIVES UNDER POWER IS STRICTLY PROHIBITED. USE VITREOUS BONDED ABRASIVES ONLY.
- VENDOR SUGGESTED CHANGES TO WELD PREPS; SUBJECT TO LBNL APPROVAL.
- FITTINGS MAY BE USED IN PLACE OF BENDS; SUBJECT TO LBNL APPROVAL.
- VENDOR SUGGESTED CHANGES TO TOLERANCES TO FACILITATE FABRICATION OR ASSEMBLY; SUBJECT TO LBNL APPROVAL.
- REMOVE ALL THE BURRS AND REAM THE ENDS FOR CIRCULARITY AND CLEAN ENDS.
- TUBE END SURFACE MUST BE PERPENDICULAR TO THE TUBE AXIS WITHIN +/- .010.
- PERFORM ACCEPTANCE TESTS PER SECTION 3.2 OF LBNL SPECIFICATION M856.
- 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".
- 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.
- PIPE MUST BE STRAIGHT AND SMOOTH (NO BUMPS) FOR 0.5" ON EITHER SIDE OF THE CENTER-PLANE OF THE SUPPORT.
- CAP BOTH ENDS OF PIPE AFTER ACCEPTANCE TESTS PER SECTION 3.2 OF LBNL SPECIFICATION M856.

ITEM	PART NO	REQD	DESCRIPTION	MATERIAL
5	-	I	TUBE, PER ASTM A269	SS 304L
4	-	I	TUBE, PER ASTM A269	SS 304L
3	-	I	FLANGE, SPIDER INTERFACE	SS 304L
2	-	I	CERNOX - TT813, TEMP SENSOR	-
1	-	I	BRAIDED FLEX HOSE, 1/2" ID X 4" LL	SS 300 SERIES



TOLERANCES				UNLESS OTHERWISE SPECIFIED				SHOP ORDERS				ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
X.X ± 0.1		FRAC. ± 1/64		X.XX ± 0.03		Angles ± 1.00°		X.XXX ± 0.010		FINISH 125 $\sqrt{\mu\text{m}}$		DO NOT SCALE PRINT		LHC IR FEEDBOX CRYOGENICS PIPE, CY2	
DO NOT SCALE PRINT				THREADS ARE CLASS 2				CHAMFER ENDS OF ALL SCREW TRENDS 30°				CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS			
BREAK EDGES .016 MAX. ON MACHINED WORK				REMOVE BURRS, WELD SPLATTER & LOOSE SCALE				IN ACCORDANCE WITH ASME Y14.5M & B46.1				MICROFILMED: DWG. TYPE: SHOWN ON: SCALE: 1/4 DO NOT SCALE PRINTS			
A ARH SPV 11-01-02 INITIAL RELEASE				REV DWG CHK ZONE DATE CHANGES				DWG BY: R. LA MANTIA DATE: 12-DEC-01				DESIGN ACCT. NO.: Z5LCE2 CATEGORY CODE: LH2003 SHEET 1 OF 1			
DWG. NO. 2512394				SIZE A				REV. 1				PATENT CLEAR: Z5LCE2 LH2003 DWG. NO. 2512394			