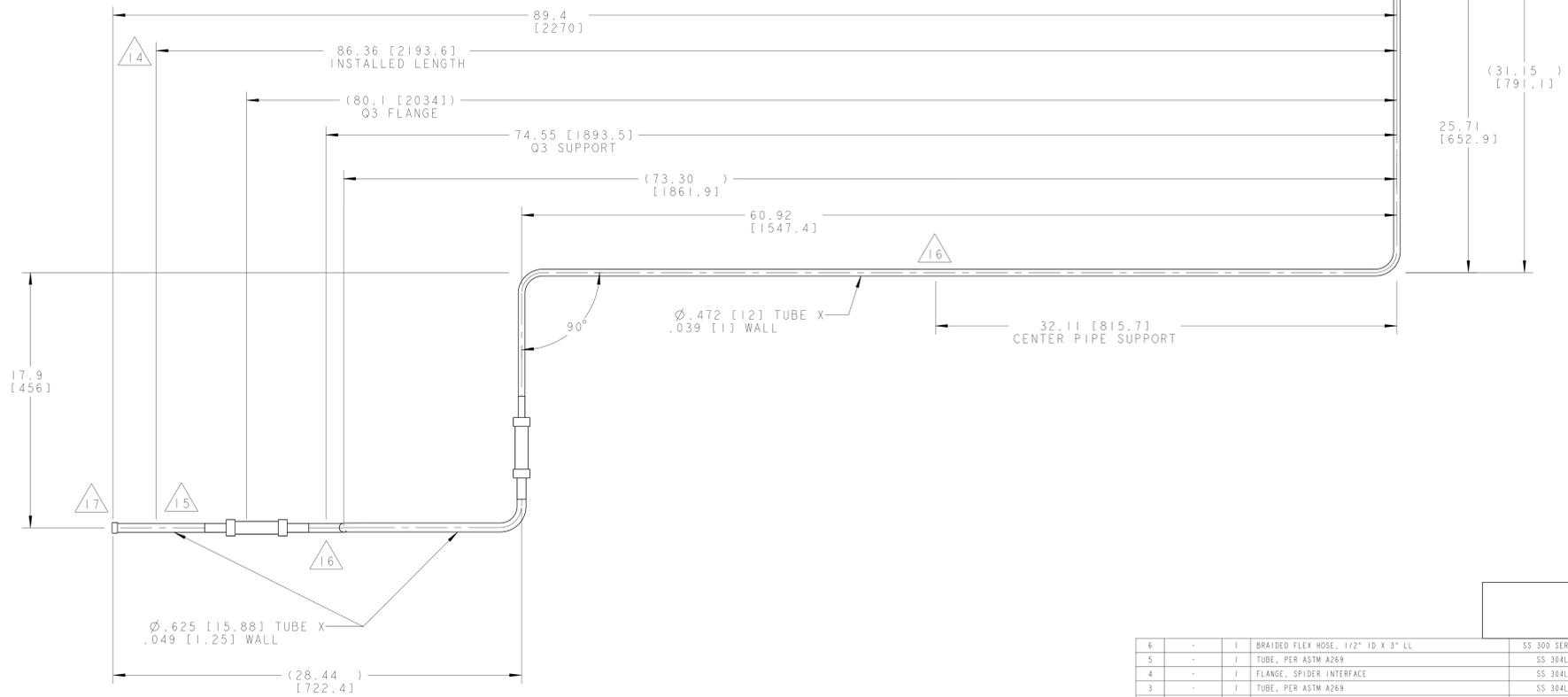
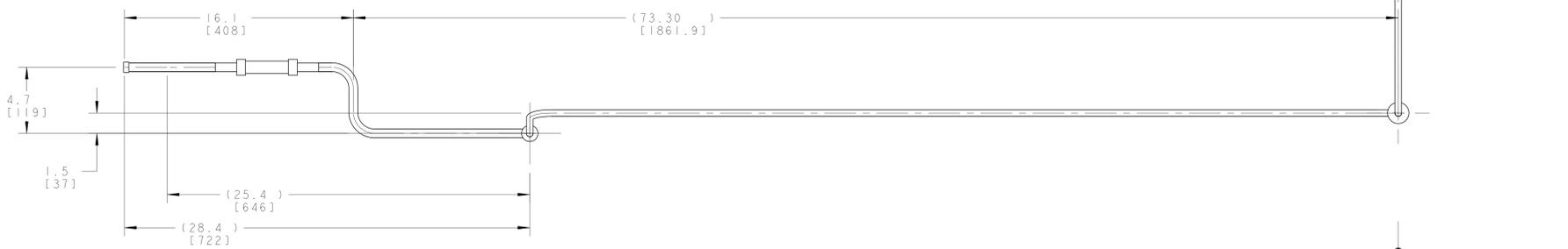
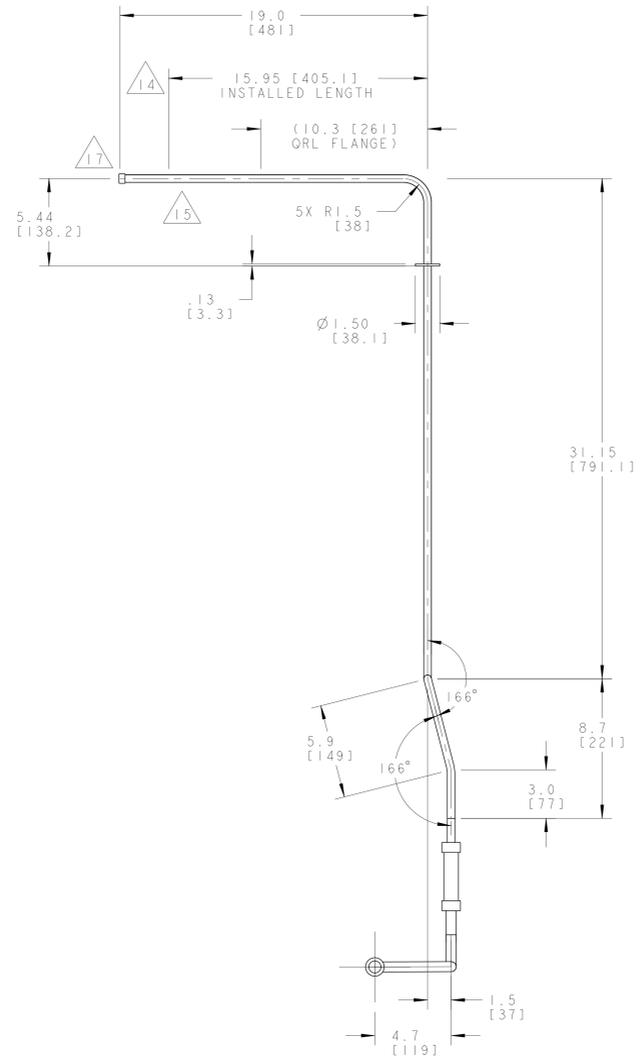
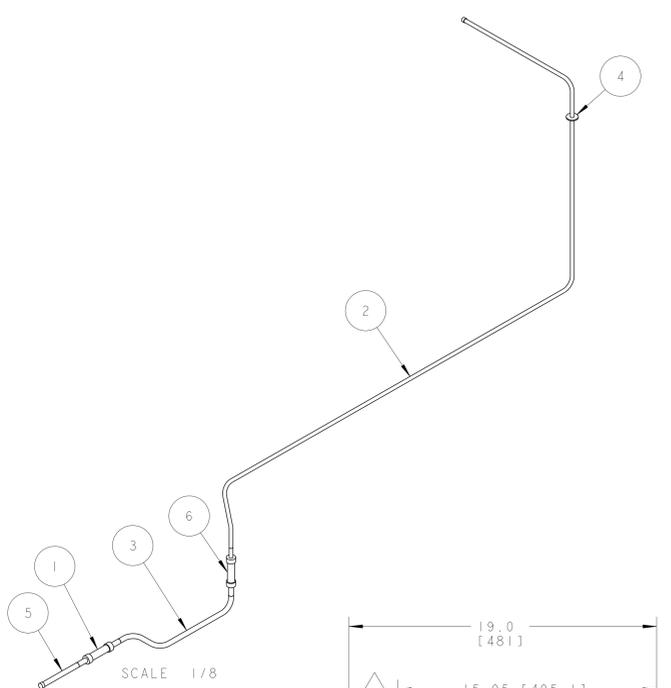


NOTES: (UNLESS OTHERWISE SPECIFIED)

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 DEEDBOX 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.

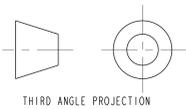
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ITEM	PART NO.	QTY	DESCRIPTION	MATERIAL
6	-	1	BRAIDED FLEX HOSE, 1/2" ID X 3" LL	SS 300 SERIES
5	-	1	TUBE, PER ASTM A269	SS 304L
4	-	1	FLANGE, SPIDER INTERFACE	SS 304L
3	-	1	TUBE, PER ASTM A269	SS 304L
2	-	1	TUBE, PER ASTM A269	SS 304L
1	-	1	BRAIDED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

SHOP ORDERS UNLESS OTHERWISE SPECIFIED X.X ± 0.1 FRACTION ± 1/64 X.XX ± 0.03 ANGLES ± 1.00° X.XXX ± 0.010 FINISH 125 μm DO NOT SCALE PRINT THREADS ARE CLASS 2 CHAMFER ENDS OF ALL SCREW THREADS 30° CUT ROUNDS, 1.5 THREAD RELIEF ON MACHINED THREADS BREAK EDGES .015 MAX. ON MACHINED WORK REMOVE BURRS, WELD SPATTER & LOOSE SCALE IN ACCORDANCE WITH ASME B16.5 PART 1		ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY LHC IR FEEDBOX CRYOGENICS PIPE, CC2
A ARH SPV 11-01-02 INITIAL RELEASE REV DWG CHK ZONE DATE CHANGES	DATE 13-Dec-01 DATE 01-Nov-02 DATE 25-Oct-02	MICROFILMED: [] DWG. TYPE: ASSEM SHEET 1 OF 1 SCALE: 1/4 DO NOT SCALE PRINTS SHEET 1 OF 1 DWG. NO. 2512376 LHC IR FEEDBOX CRYOGENICS PIPE, CC2



2512376 A 1