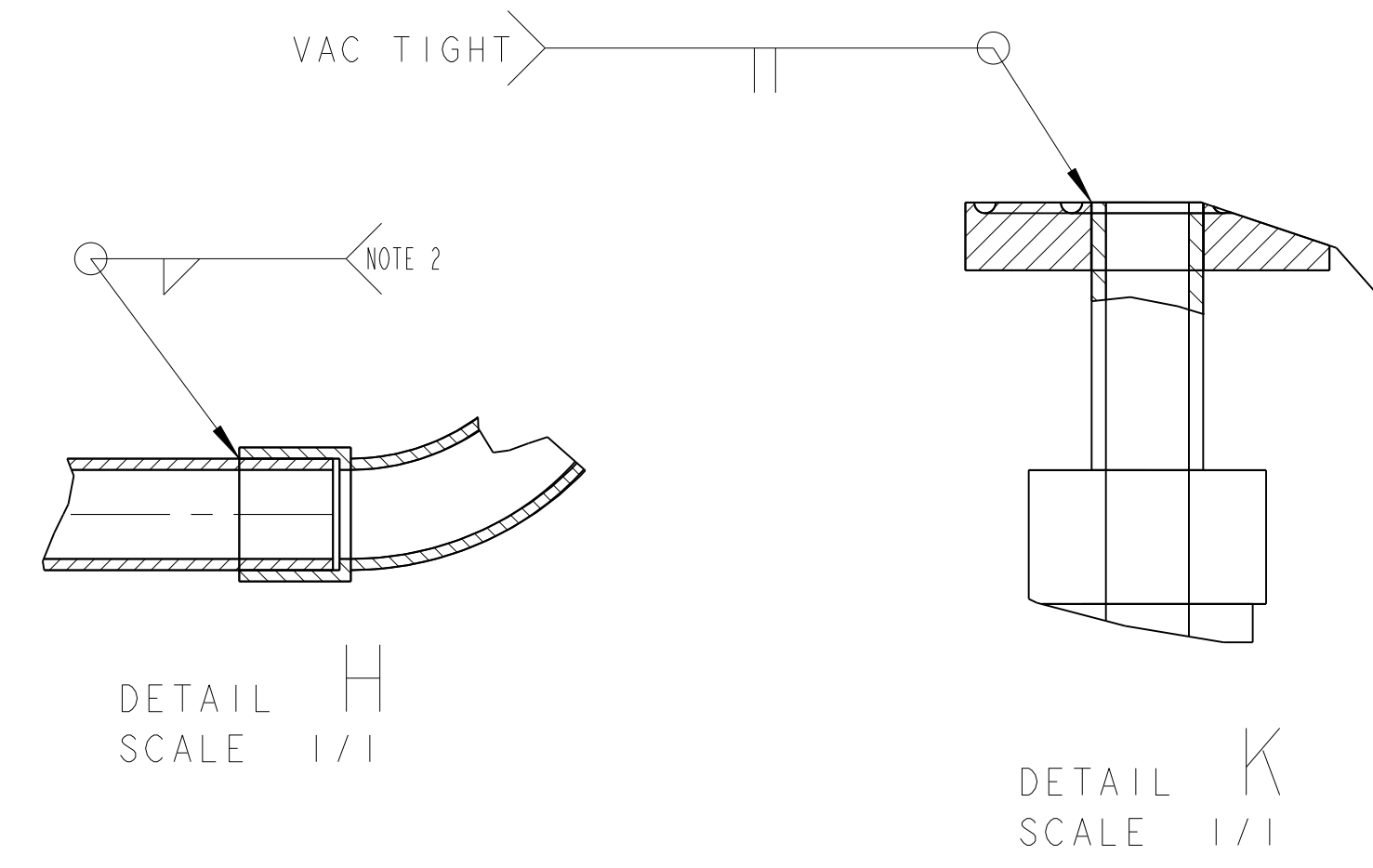
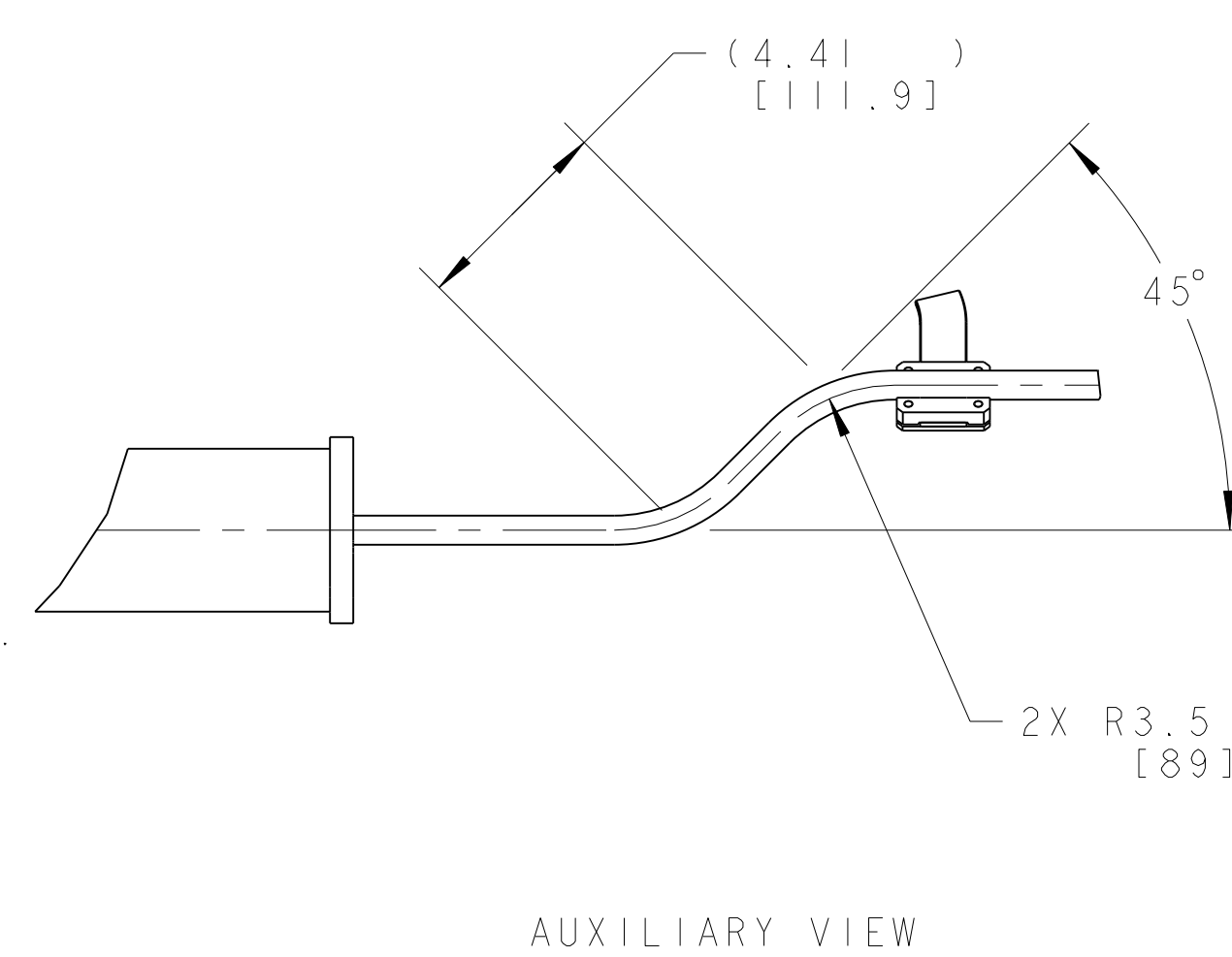
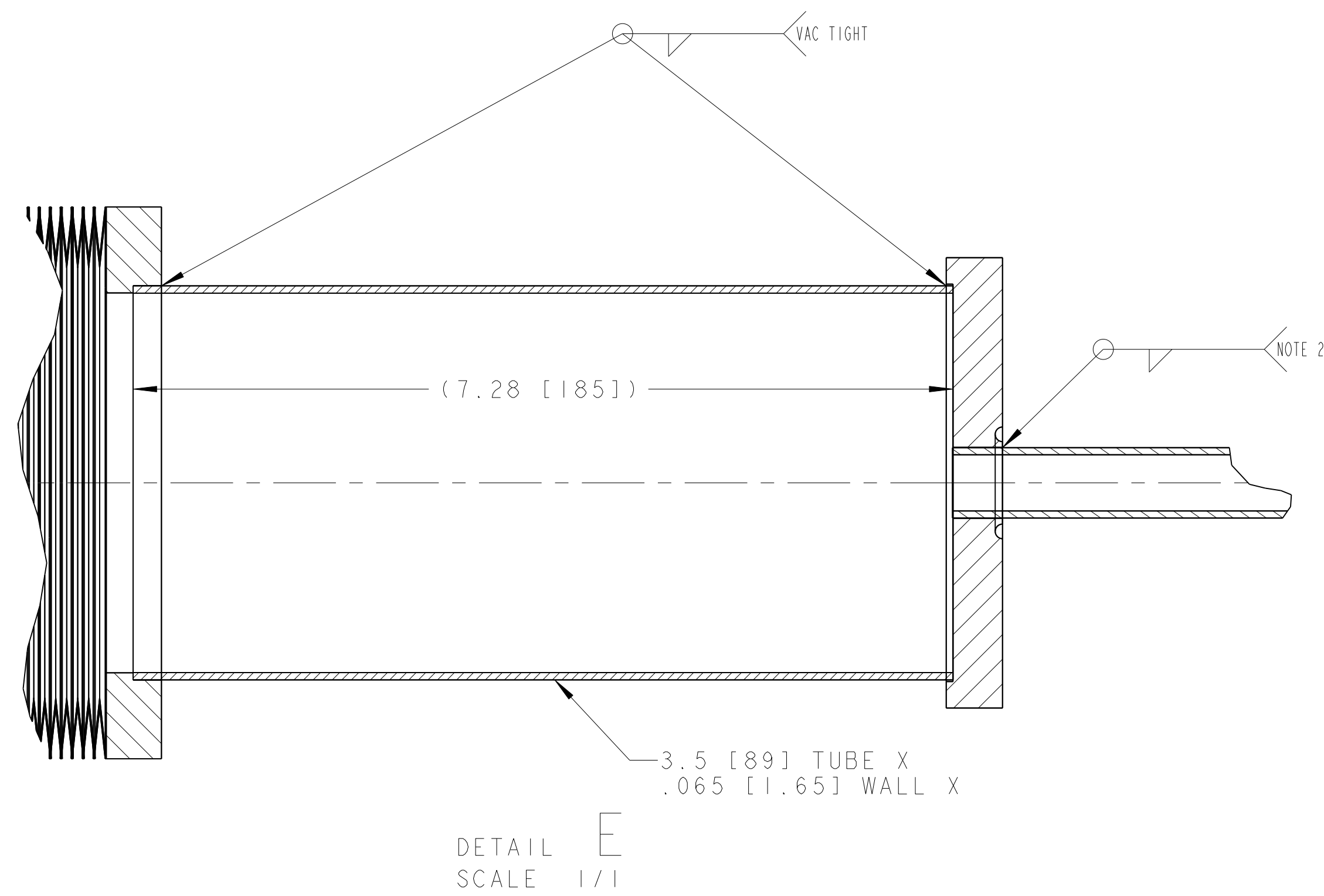
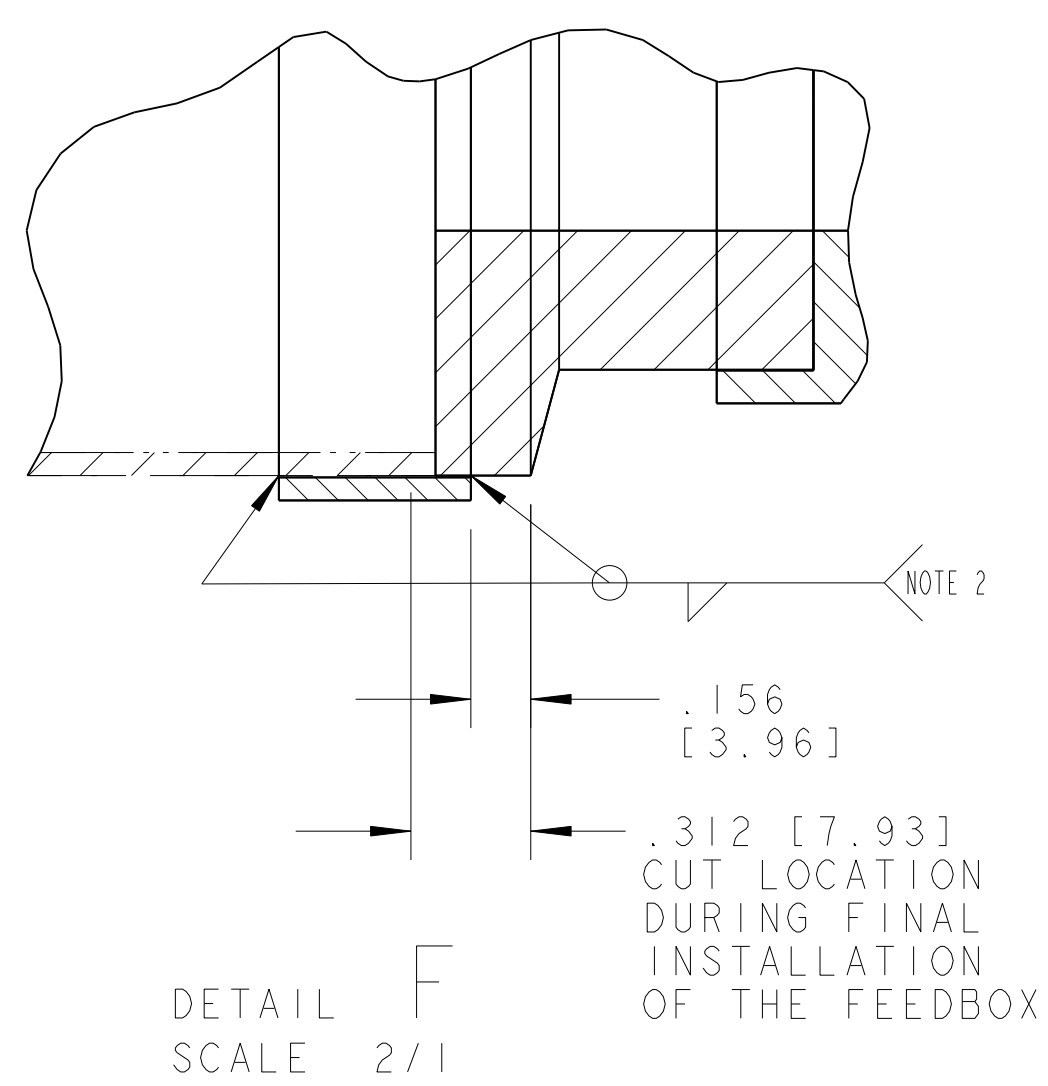
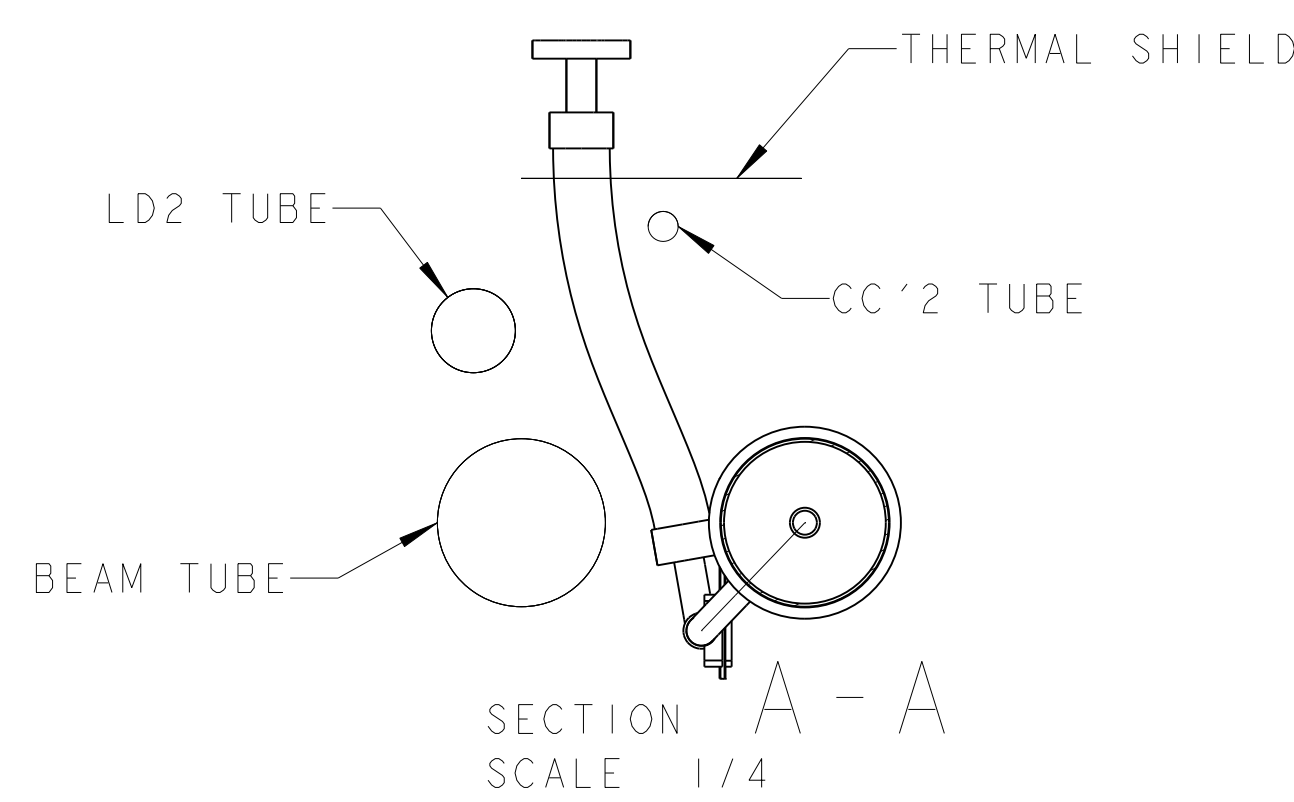
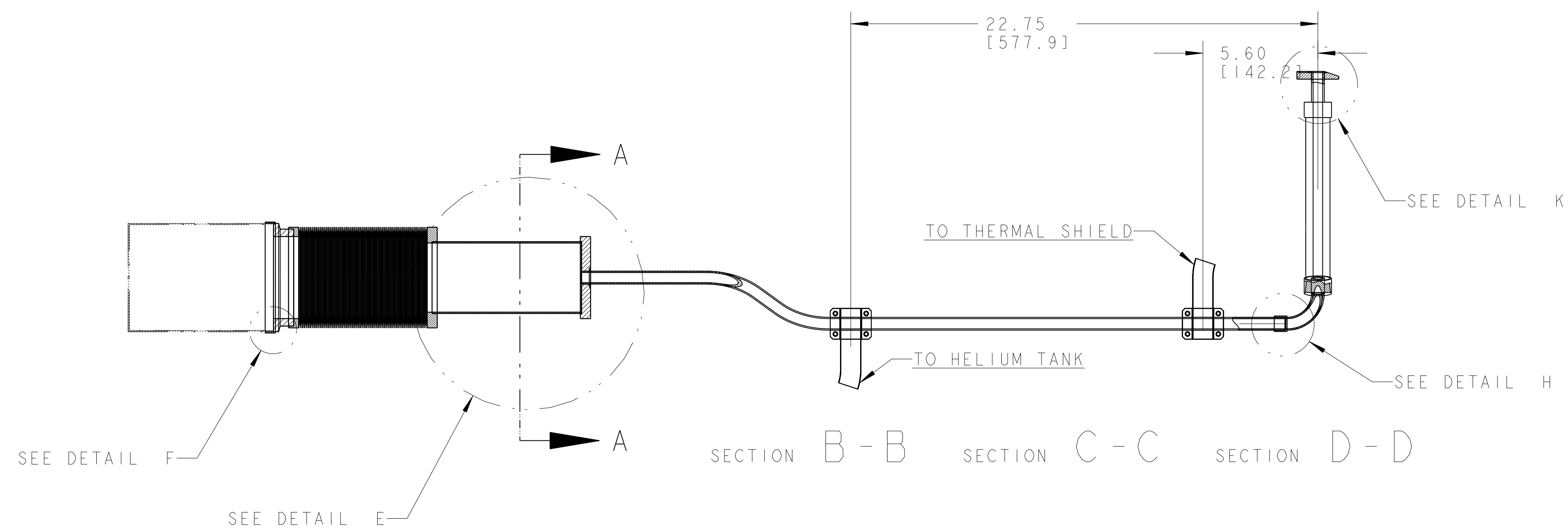
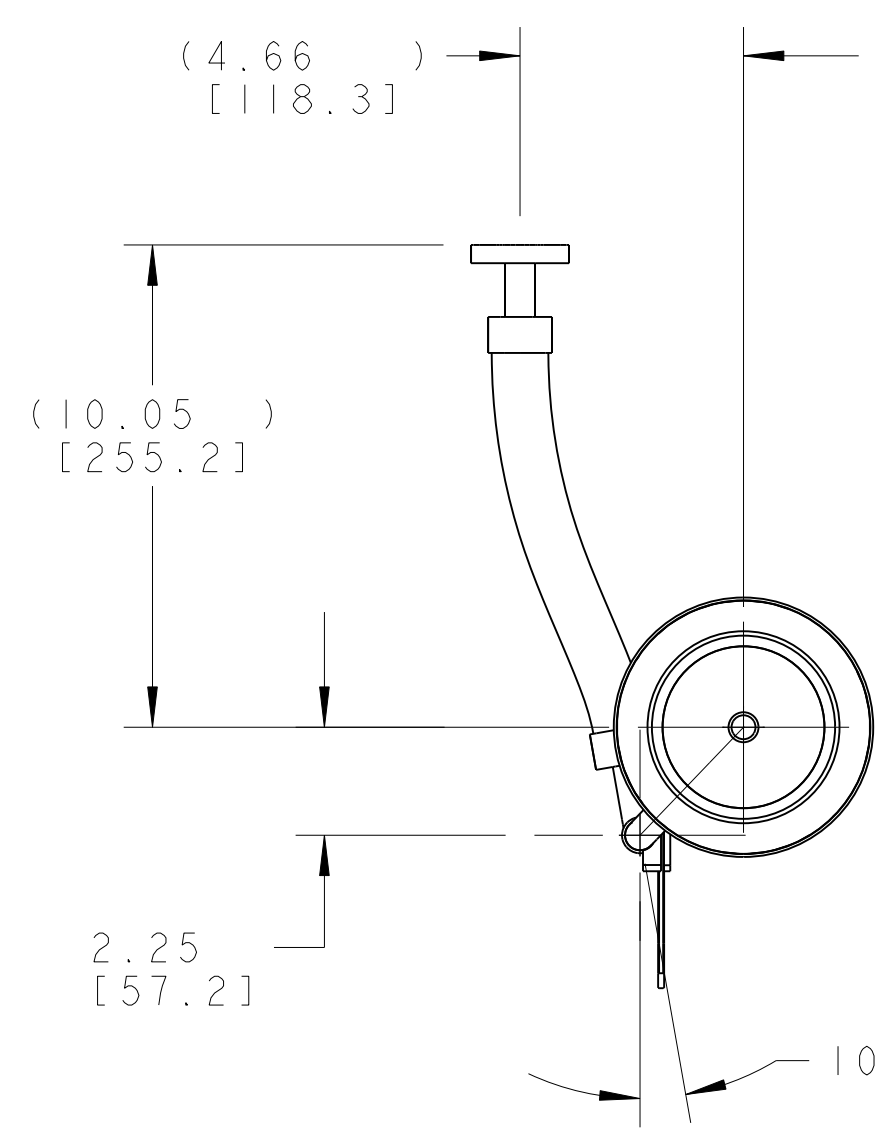
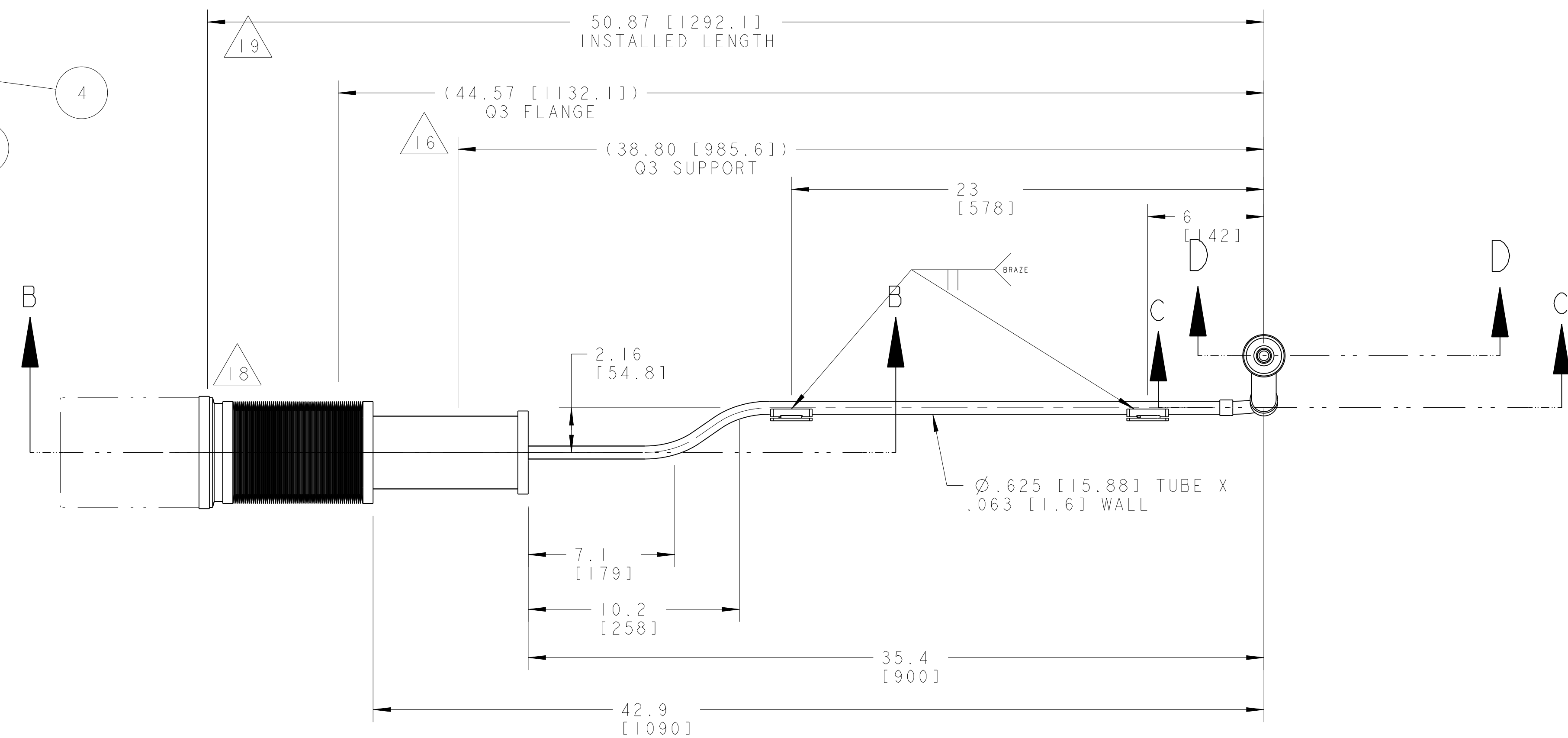
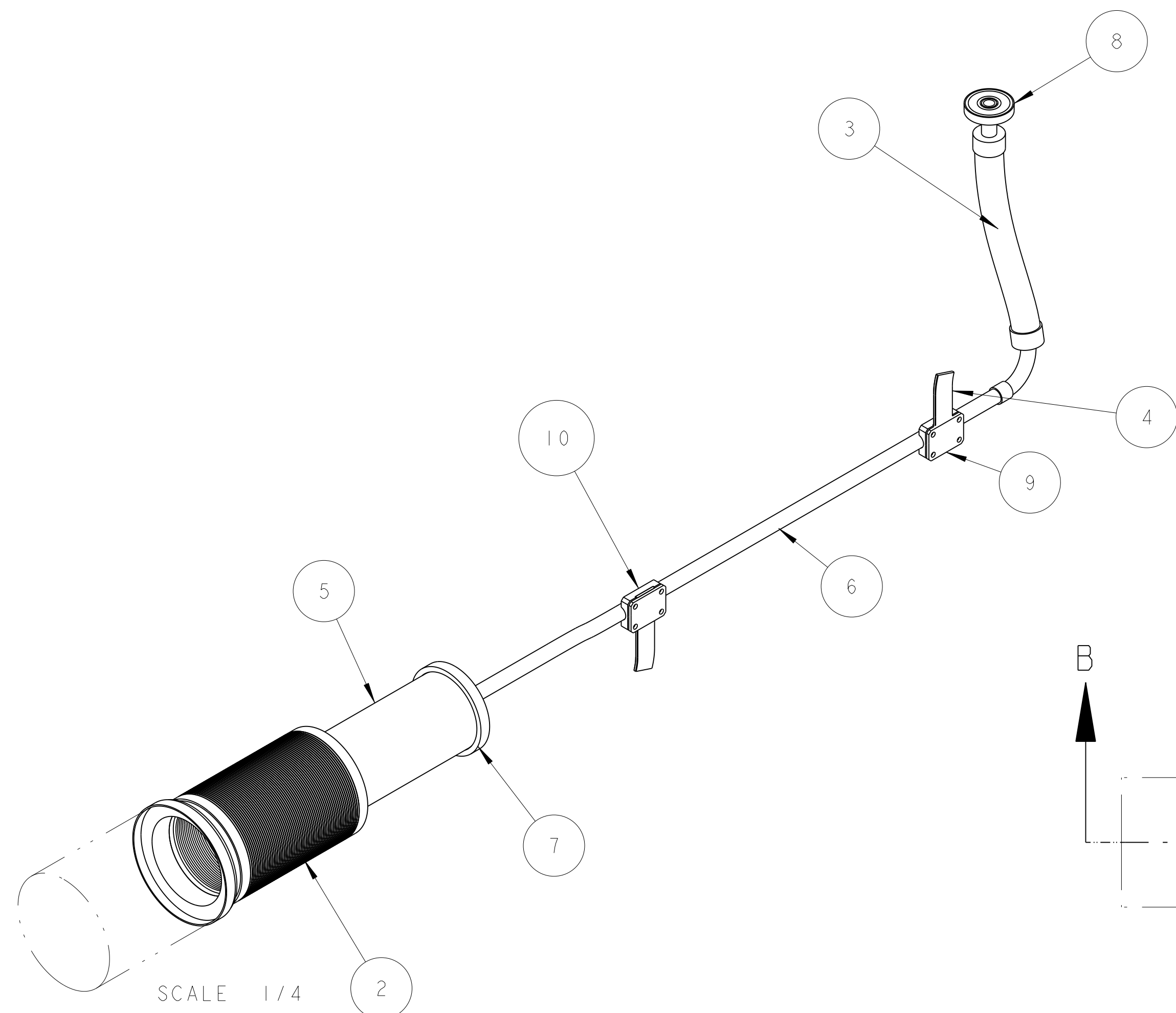


NOTES: (UNLESS OTHERWISE SPECIFIED)

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 END OF PIPE AFTER ACCEPTANCE TESTS PER SECTION 3.2 OF LBNL SPECIFICATION M856.
18. PIPE SHIPPED WITH CAPPED TUBE WELDED TO BELLOWS FLANGE. THE TUBE WILL BE CUT AS SHOWN AND USED AS A WELD SLEEVE DURING FINAL INSTALLATION OF THE FEEDBOX.
19. THE INTERIOR OF ALL COMPONENTS MUST BE FREE OF BURRS TO PREVENT WIRE INSULATION FROM ABRASION DURING THERMAL CYCLING.



10	25M877	2	CLAMP BASE PLATE, 5/8" TUBE	COPPER, OFHC, C101
9	25M813	2	CLAMP COVER 1"	COPPER, OFHC, C101
8	25I641	1	INSERT, 5/8" TUBE WELD FLANGE	SS 304L
7	25I300	1	WELD CONNECTOR, MOX2	SS 304L
6	-	1	TUBE, PER ASTM A269	SS 304L
5	-	1	TUBE, PER ASTM A269	SS 304L
4	-	2	COPPER BRAID, 1" X 1/8"	SS 304L
3	-	1	BRAIDED FLEX HOSE, 3/4" ID, ELBOW & WELD SOCKET - 8.2" LL 12.1" OVERALL	SS 300 SERIES
2	-	1	BELLOWS, FNAL # 5520-MB-390073	SS 300 SERIES
1	-	1	-	-

UNLESS OTHERWISE SPECIFIED: SHOP ORDERS

DO NOT SCALE PRINT

THIRD ANGLE PROJECTION

ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

LHC IR FEEDBOX
CRYOGENICS
PIPE, MOX2

SCALE: 1/4

SHEET 1 OF 1

25I3016

REV: DWG/CHK/ZONE/DATE

CHANGES

DATE: 11-Aug-02

DATE: 4-02-02

DATE: 4-02-02