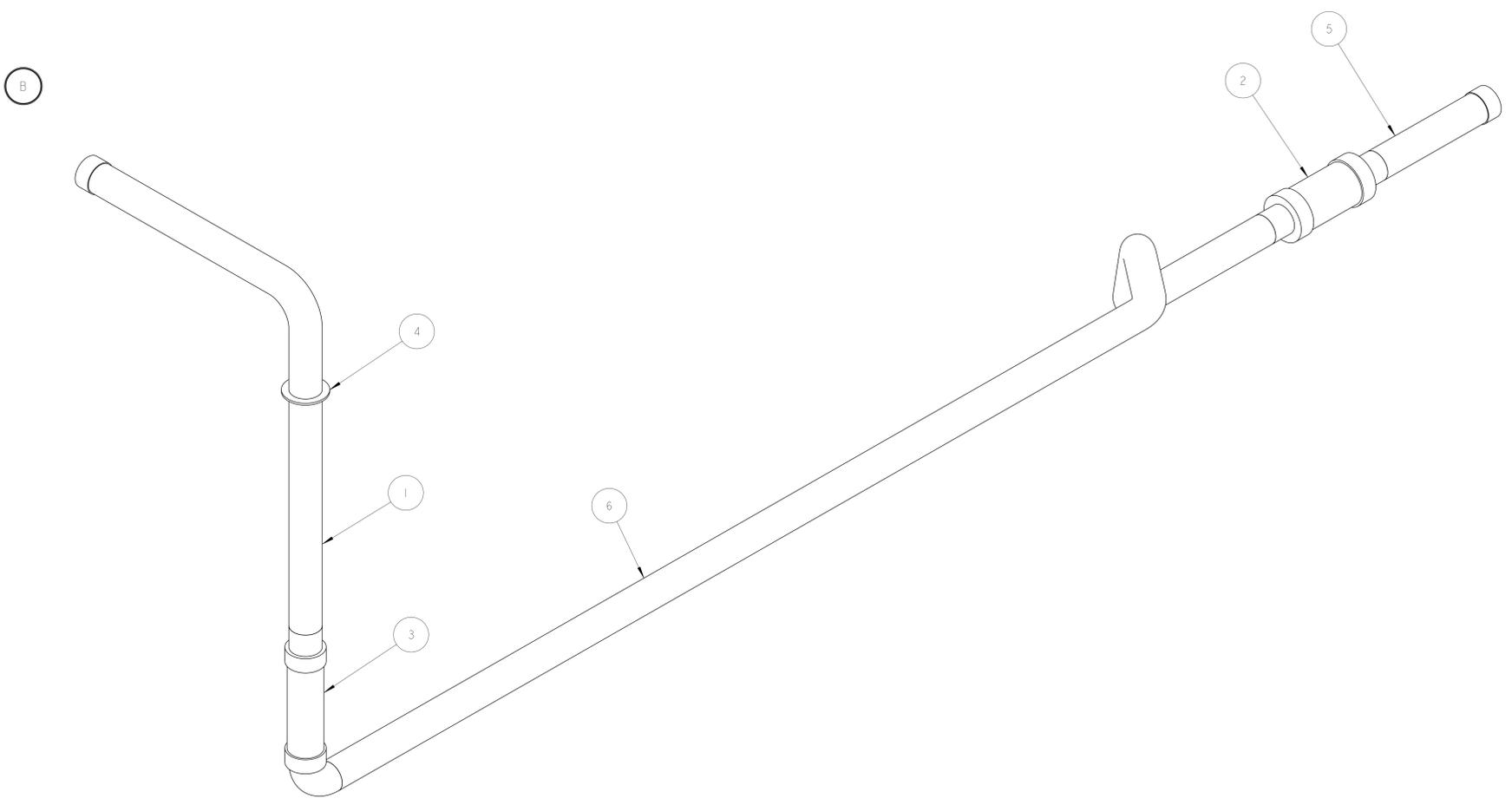
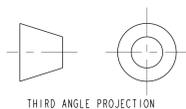


NOTES: (UNLESS OTHERWISE SPECIFIED)

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 LBNL SPECIFICATION M989.
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 1.5" ON EITHER SIDE OF THE CENTER-PLANE OF THE SUPPORT.
17. CAP BOTH ENDS OF PIPE TO FACILITATE ACCEPTANCE TESTS.



SCALE 5/16



REV	DWG	CHK	ZONE	DATE	CHANGES
A	ARH	SPV		11-04-02	INITIAL RELEASE
B	ARH	SPV		01/15/03	MINOR DRAWING DIMENSIONAL CHANGES, REVISED DRAWING NOTE 16, ADDED CENTER SUPPORT DIM.
C	RLM	JPZ		6/9/03	R2.25 WAS R3.5, PIPE CALL OUT CHANGE

ITEM	PART NO.	QTY	DESC	MATERIAL
1		1	PIPE, PER ASTM A312	SS 304L
2		1	BRAIDED FLEX HOSE, 2"ID X 4" LL	SS 300 SERIES
3		1	BRAIDED FLEX HOSE, 2"ID X 6.1" LL	SS 300 SERIES
4		1	SUPPORT COLLAR	SS 304L
5		1	PIPE, PER ASTM A312	SS 304L
6		1	PIPE, PER ASTM A312	SS 304L

**ERNEST ORLANDO LAWRENCE**  
**BERKELEY NATIONAL LABORATORY**  
 UNIVERSITY OF CALIFORNIA - BERKELEY

LHC IR FEEDBOX  
 CRYOGENICS  
 PIPE WELDMENT, LD2

SHEET 1 OF 2  
 2512456

D

C

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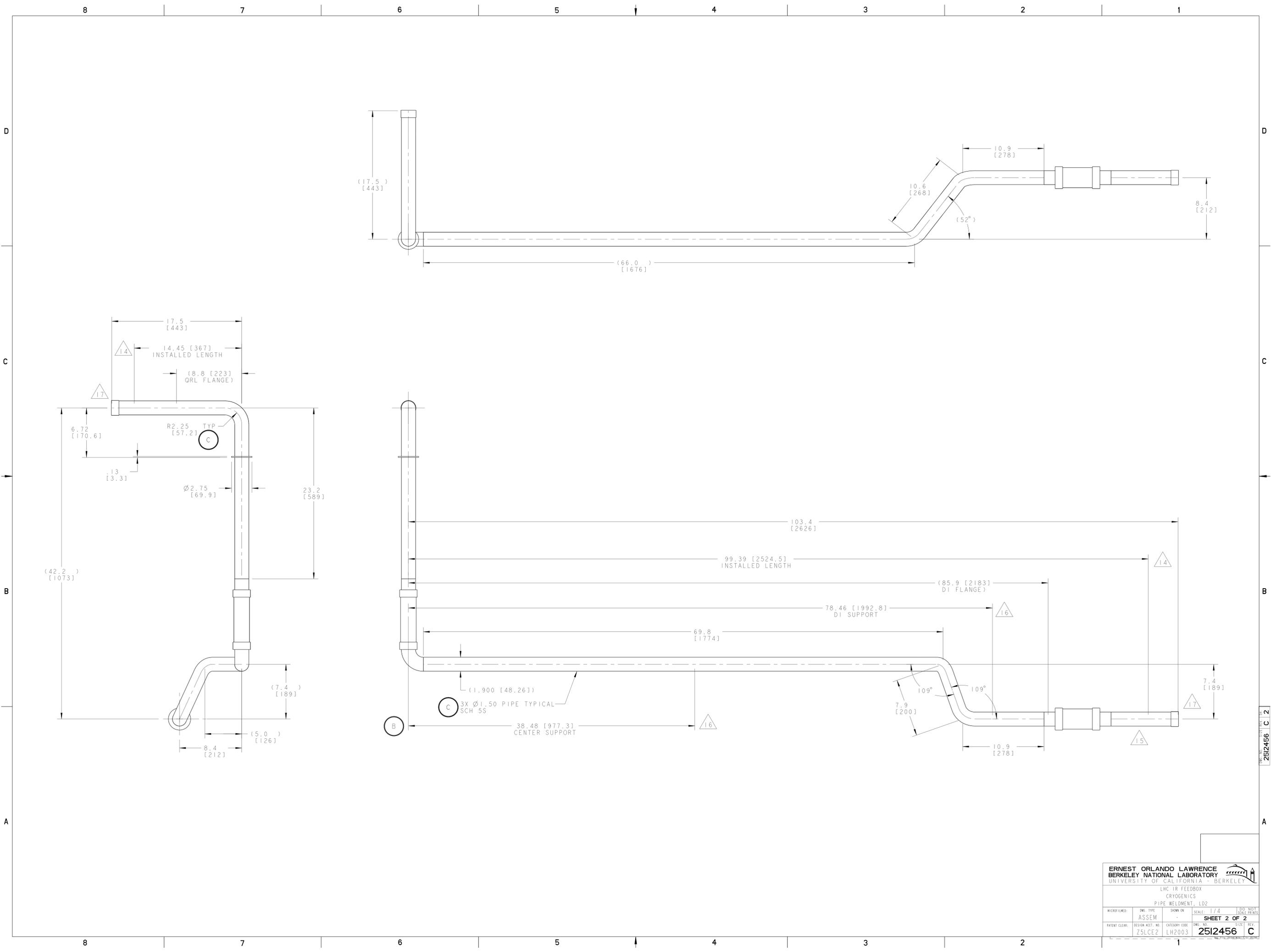
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2512456 C 1



<b>ERNEST ORLANDO LAWRENCE</b> <b>BERKELEY NATIONAL LABORATORY</b> UNIVERSITY OF CALIFORNIA - BERKELEY			
LHC IR FEEDBOX CRYOGENICS PIPE WELDMENT, LD2			
MICROFILMED:	DWG. TYPE:	SHOWN ON:	SCALE: 1/4" = 1"
	ASSEM	-	<b>SHEET 2 OF 2</b>
PATENT CLEAR:	DESIGN ACCT. NO:	CATEGORY CODE:	DWG. NO. <b>2512456</b>
	ZSLCE2	LH2003	SIZE: <b>C</b>

DWG. NO. 2512456  
 SHEET 2 OF 2