

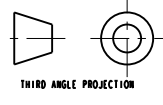
ITEM	PART NO	RECD	DESCRIPTION	MATERIAL
20	251413	I	SUPPORT, D1 SIDE, DFBXD / DFBXH	NEMA G10
19	251410	I	SUPPORT, O3 SIDE, DFBXD / DFBXH	NEMA G10
18	251988	I	SUPPORT, OQSD, DFBXD/DFBXH	NEMA G10
17	251987	I	SUPPORT, OQSD, DFBXD/DFBXH	NEMA G10
16	251410	I	SUPPORT, CENTER PIPE, DFBXD & H	-
15	251301	I	PIPE, MBX2	-
14	251252	I	V PIPE & JACKET ASSEMBLY	-
13	251249	I	PIPE, MBX2	-
12	251246	I	PIPE, LD1	-
11	251245	I	PIPE WELDMNT, LD2	-
10	251243	I	PIPE, E2	-
9	251242	I	PIPE, E1	-
8	251239	I	PIPE, CY2	-
7	251238	I	PIPE, CC3	-
6	251237	I	PIPE, CC2	-
5	251236	I	PIPE, CC1	-
4	251212	I	PIPE, EX	-
3	251203	I	PIPE, CY1	-
2	251253	I	PIPE WELDMNT, XB	-
1	251247	I	PIPE WELDMNT, LD3 AND BUS DUCT	-

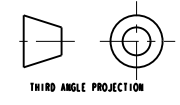
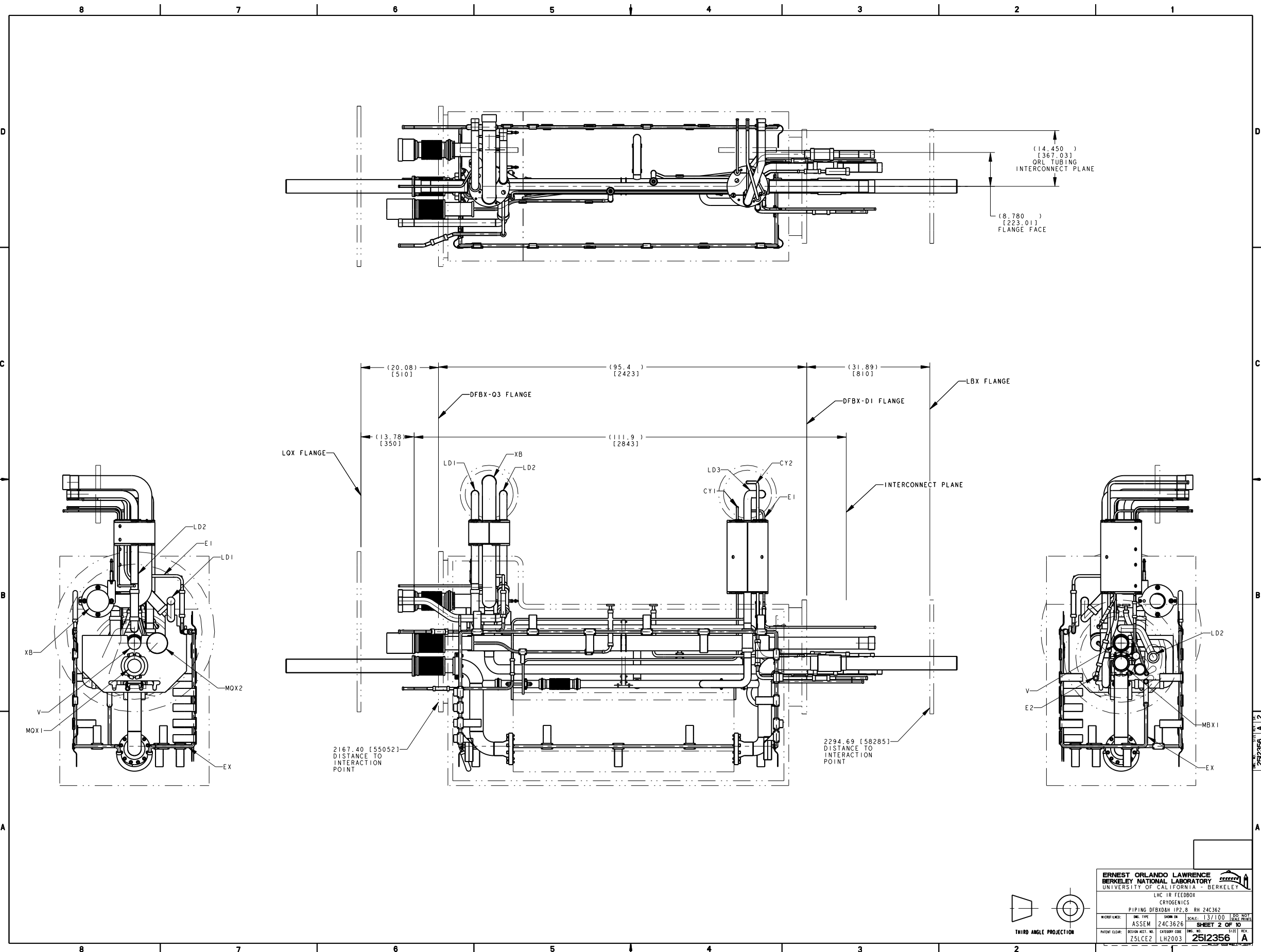
UNLESS OTHERWISE SPECIFIED
 1. X ± 0.1 FRACTION ± 1/64
 2. X ± 0.03 ANGLES ± 1.00°
 3. X ± 0.010 FINISH 10/32
 DO NOT SCALE PRINT
 THREADS ARE CLASS 2
 COUNTER ENDS OF ALL SCREW THREADS 30°
 CUT THREADS - 1.5 THREAD RELIEF ON MACHINED THREADS
 BREAK EDGES (1/8" MIN. OR ROUNDED BURN)
 REMOVE BURRS, BLEED SPATTER & LOOSE SCALE
 IN ACCORDANCE WITH SURE-TITE 34.36 & 36.1

SHOP ORDERS
 DATE: 11/25/82
 BY: D. OSWATZ
 DATE: 11/25/82

ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY
 UNIVERSITY OF CALIFORNIA - BERKELEY
 LHC TR FEEDBOX
 CRYOGENICS
 PIPING DFBXD/H IP2.8 RH 24C362
 SCALE: 13/100 1:500
 SHEET 1 OF 10
 2512356 A

REV	DATE	BY	CHK	DESCRIPTION
A	11/25/82	DPO		INITIAL RELEASE
				CHANGES





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BERKELEY NATIONAL LABORATORY
 UNIVERSITY OF CALIFORNIA - BERKELEY

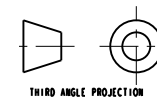
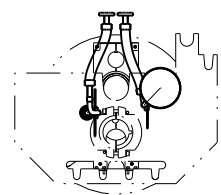
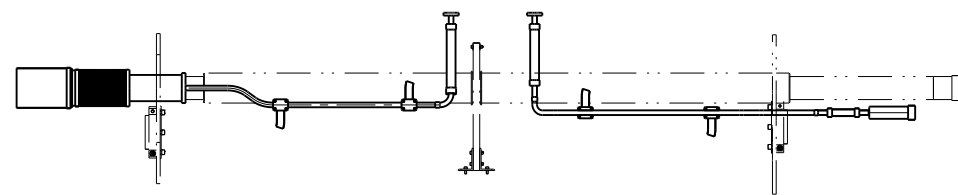
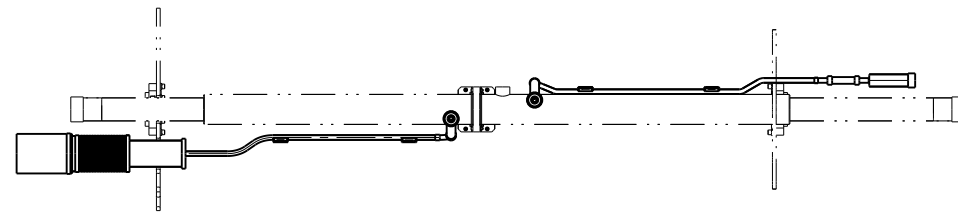
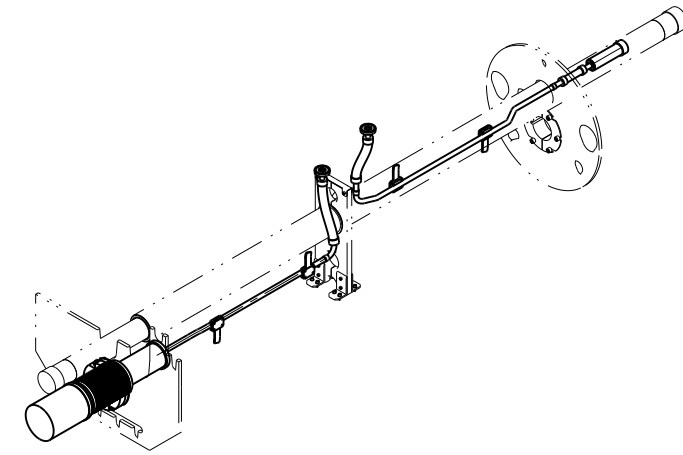
LHC TR FEEDBOX
 CRYOGENICS
 PIPING DFBX04H IP2.8 RH 24C362

W/PROJ/ENGR:	DESIGN NO.:	SCALE:	DATE:
ASSEM	24C3626	13/100	1997
PATENT CLEAR:	DESIGN ACCT. NO.:	CATEGORY CODE:	REV.:
Z5LCE2	LH2003		

SHEET 2 OF 10
 2512356 A

INSTRUMENTATION LINES

SHOWN FOR REFERENCE ONLY
 NOTE: ALL WELDS MUST LEAVE TUBE
 INTERIOR BURR FREE

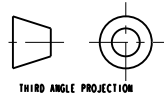
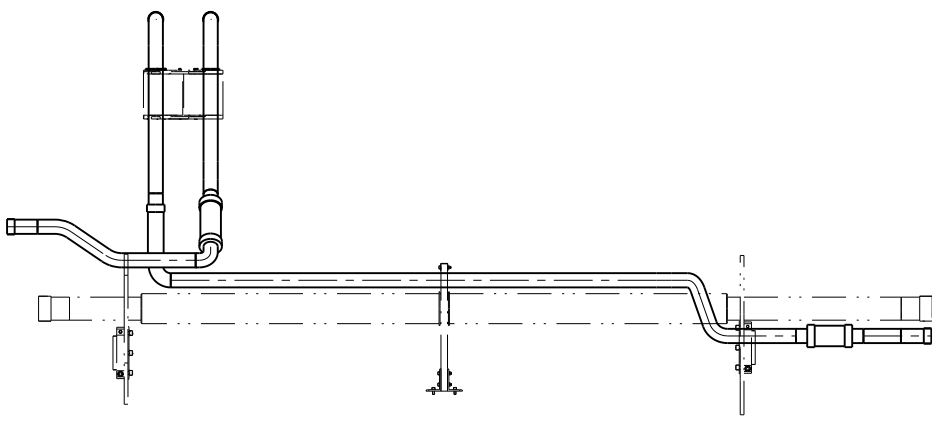
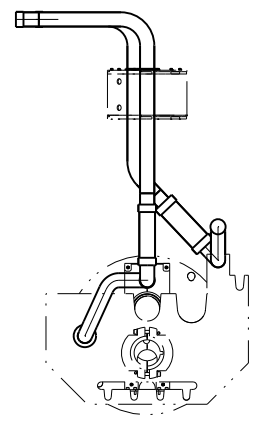
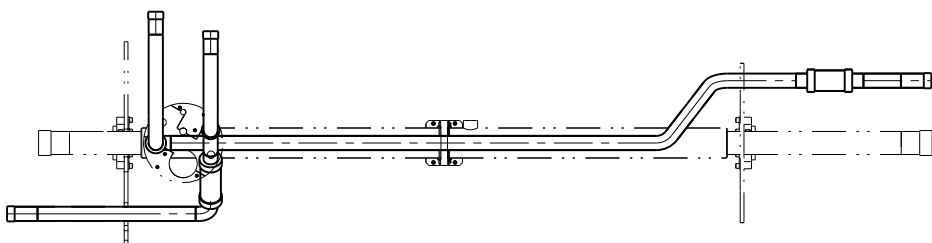
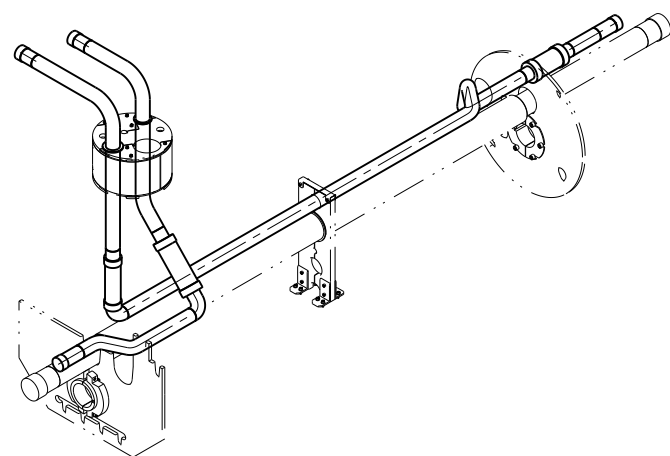


ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
LHC TR FEEDBOX CRYOGENICS			
PIPING DFBX04H IP2.8 RH 24C362			
MICRO/LINE: ASSEM	ENG. TYPE: 24C3626	DRAWN BY: LH2003	SCALE: 13/100 (SEE PARTS) SHEET 3 OF 10 2512356 A
PATENT CLEAR: ZSLCE2	DESIGN ACCT. NO.: LH2003	CATEGORY CODE: LH2003	ENG. NO.: 2512356 SIZE: A

2512356 A 13

LD LINES

SHOWN FOR REFERENCE ONLY

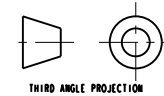
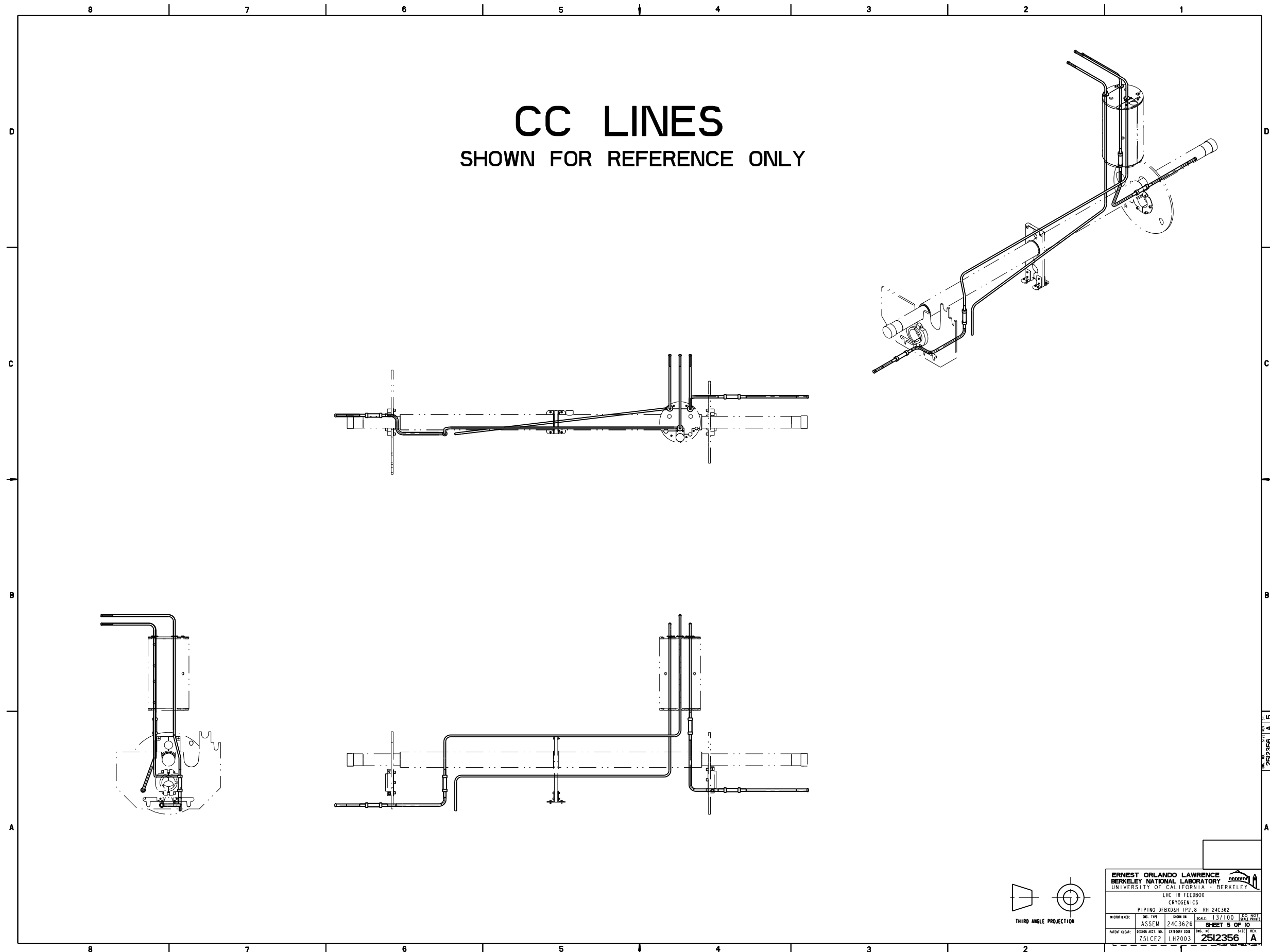


ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
LHC TR FEEDBOX CRYOGENICS			
PIPING DFBX04H IP2.8 RH 24C362			
MICROFILMS: ENG. TYPE: ASSEM	DRAWN BY: 24C3626	SCALE: 13/100	SHEET 4 OF 10 2512356
PATENT CLEAR: ZSLCE2	DESIGN ACCT. NO.: LH2003	CATEGORY CODE: LH2003	SIZE: A

2512356 A 4

CC LINES

SHOWN FOR REFERENCE ONLY

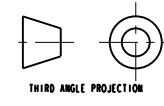
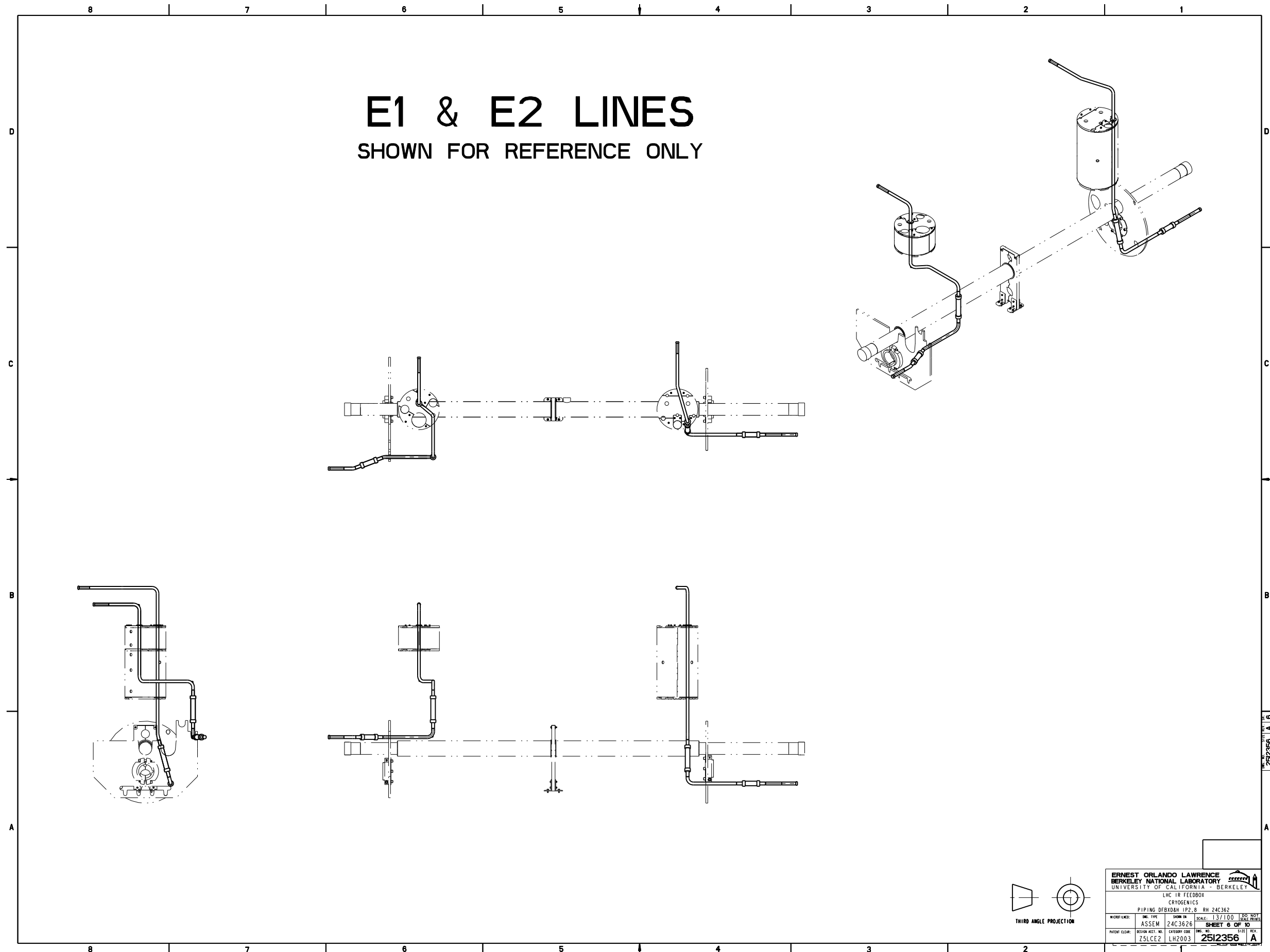


ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
LHC TR FEEDBOX CRYOGENICS			
PIPING DFBYDAM IP2.8 RH 24C362			
MICROFILMS: ENG. TYPE: ASSEM	DRAWN BY: 24C3626	SCALE: 13/100	SHEET 5 OF 10 2512356
PATENT CLEAR: 25LCE2	DESIGN ACCT. NO.: LH2003	CATEGORY CODE: LH2003	DATE: 2512356

2512356 A 15

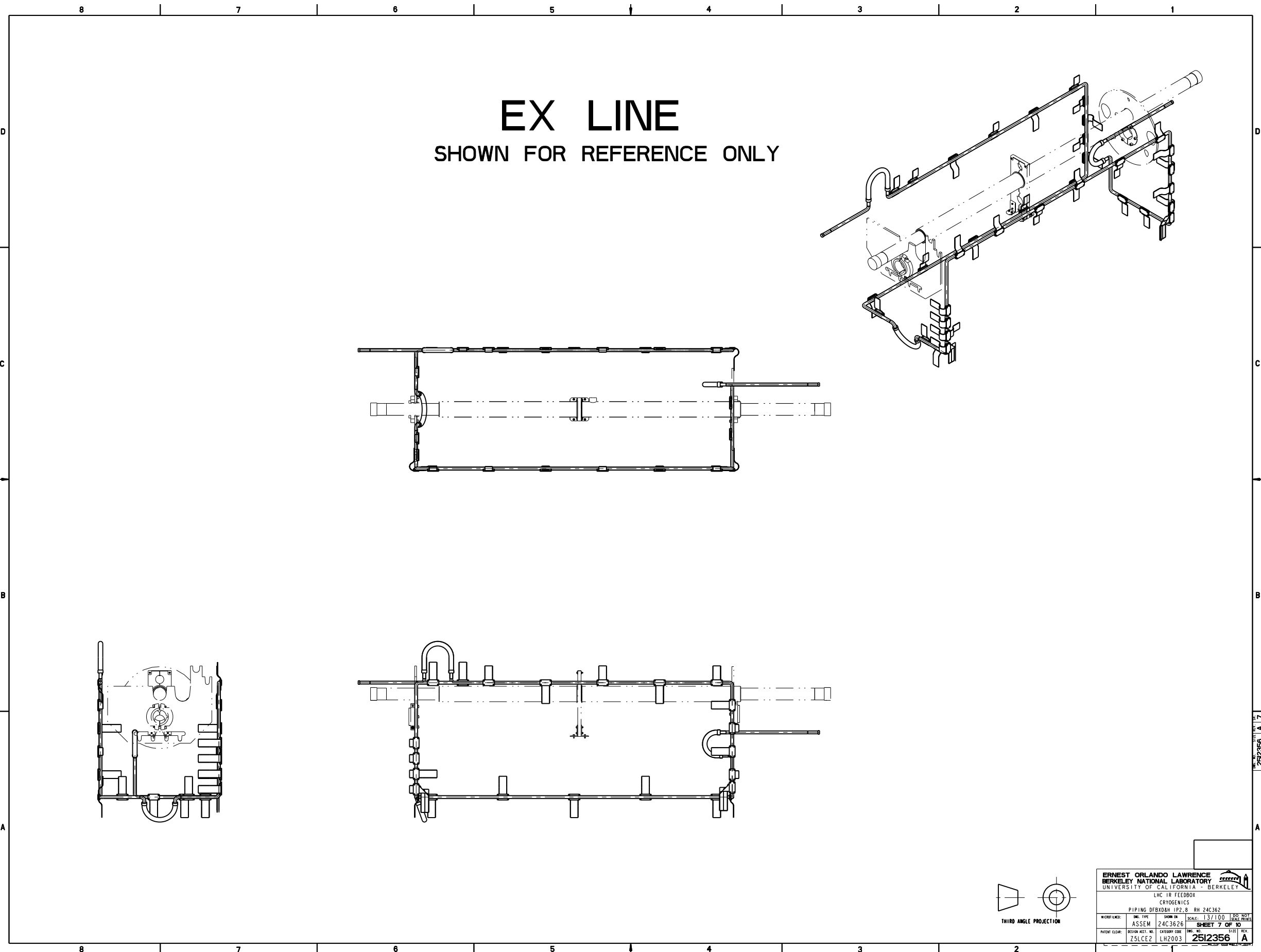
E1 & E2 LINES

SHOWN FOR REFERENCE ONLY

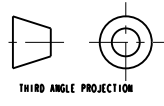


ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
LHC TR FEEDBOX CRYOGENICS			
PIPING DFBYDAM IP2.8 RH 24C362			
MICRO/LINES: ASSEM	DWG. TYPE: 24C3626	SHOWN ON: SHEET 6 OF 10	SCALE: 13/100 (SEE NOTES)
PATENT CLEAR: ZSLCE2	DESIGN ACCT. NO.: LH2003	CATEGORY CODE: 25I2356	DWG. NO.: A

25I2356 A 6



EX LINE
SHOWN FOR REFERENCE ONLY

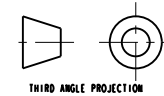
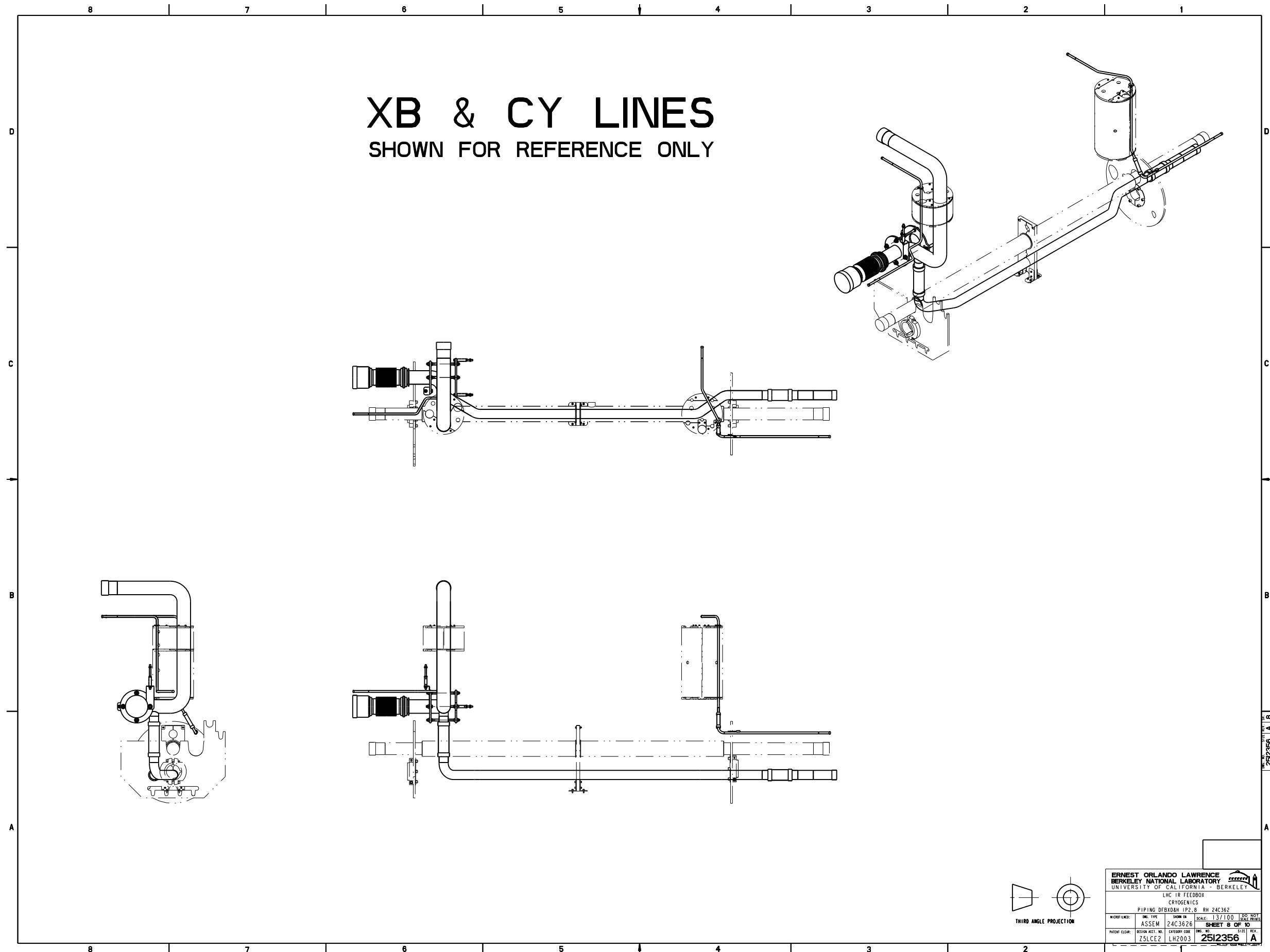


ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
LHC TR FEEDBOX CRYOGENICS			
PIPING DFBYDAM IP2.8 RH 24C362			
MICROFILMED: ASSEM	DWG. TYPE: 24C3626	DRAWN BY: SHEET 7 OF 10	SCALE: 13/100
PATENT CLEAR: ZSLCE2	DESIGN ACCT. NO.: LH2003	CATEGORY CODE: 25I2356	DATE: A

25I2356 A 17

XB & CY LINES

SHOWN FOR REFERENCE ONLY

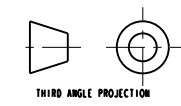
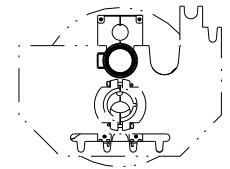
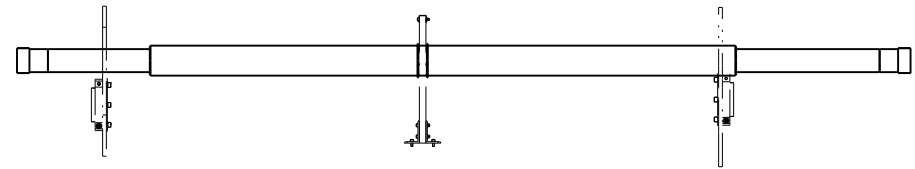
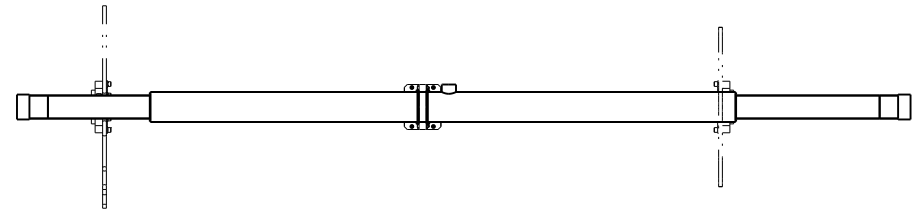
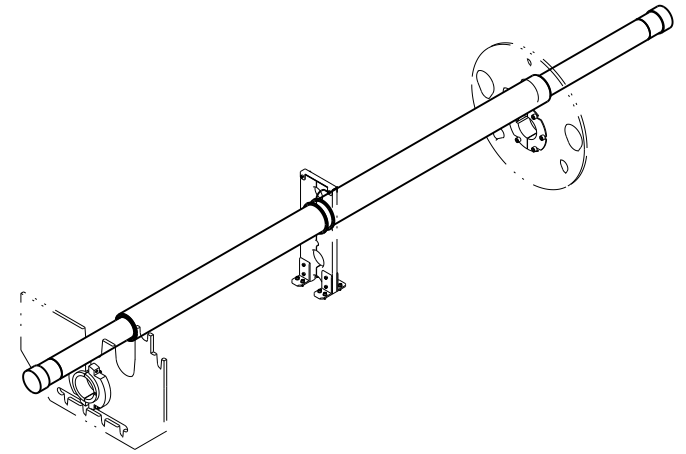


ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
LHC TR FEEDBOX CRYOGENICS			
PIPING DFBYDAM IP2.8 RH 24C362			
MICROFILMED: ASSEM	DWG. TYPE: 24C3626	DRAWN BY: SHEET 8 OF 10	SCALE: 13/100 (SEE NOTES)
PATENT CLEAR: ZSLCE2	DESIGN ACCT. NO.: LH2003	CATEGORY CODE: 2512356	DWG. NO.: REV.

2512356 A B

BEAM TUBE

SHOWN FOR REFERENCE ONLY

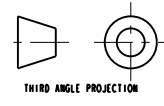
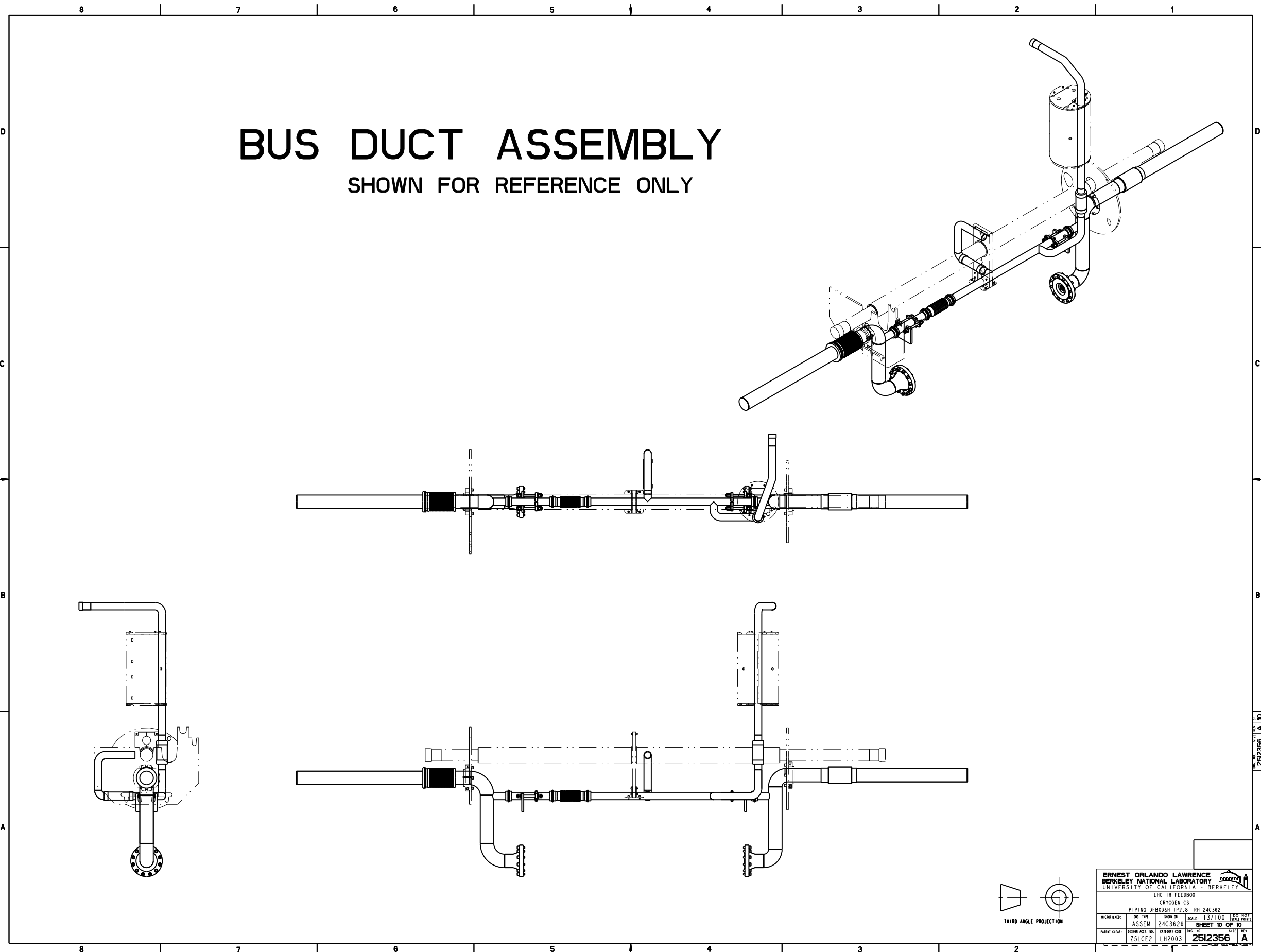


ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
LHC TR FEEDBOX CRYOGENICS			
PIPING DFBYDAM IP2.8 RH 24C362			
MICROFILMED: ASSEM	DWG. TYPE: 24C3626	SHEET NO. SHEET 9 OF 10	SCALE: 13/100 (SEE NOTES)
PATENT CLEAR: ZSLCE2	DESIGN ACCT. NO. LH2003	CATEGORY CODE 25I2356	DWG. NO. REV. A

25I2356 A 19

BUS DUCT ASSEMBLY

SHOWN FOR REFERENCE ONLY



ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
LHC TR FEEDBOX CRYOGENICS			
PIPING DFBYDAM IP2.8 RH 24C362			
MICROFILMS: ENG. TYPE ASSEM	DRAWN BY 24C3626	SCALE: 13/100	SHEET NO. OF 10 10 OF 10
PATENT CLEAR: Z5LCE2	DESIGN ACCT. NO. LH2003	CATEGORY CODE LH2003	SIZE 2512356 A

2512356 A 10