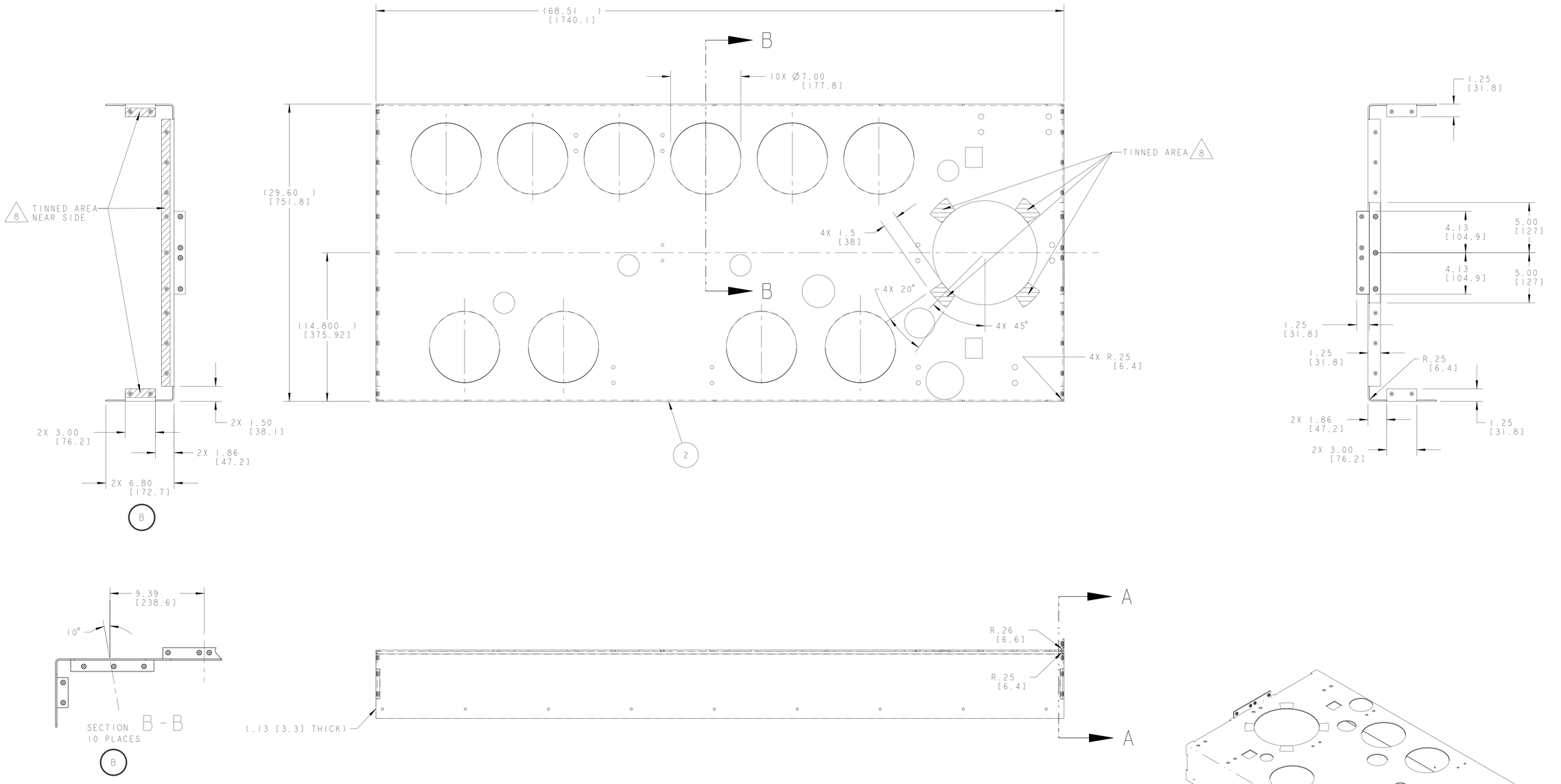
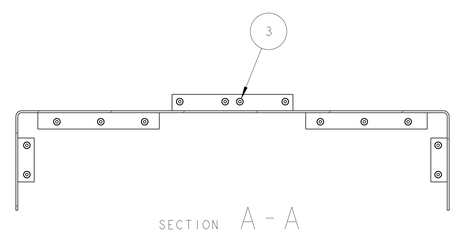
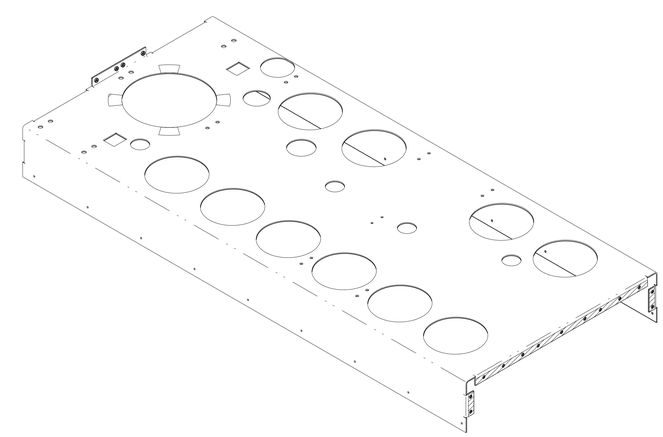




SECTION A - A



SCALE 5/32

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. TIN NOTED AREAS WITH 60/40 Sn/Pb SOLDER, USE RESIN FLUX.

THIRD ANGLE PROJECTION

REV	DWG	CHK	ZONE	DATE	CHANGES
E	RLM	JPZ		10/16/03	Ø .406 WAS .272 FOR PEM NUT INSTALLATION
D	RLM	JPZ		8/20/03	Ø2.12 WAS Ø2.00
C	ARH	DPO		03/05/03	MINOR COSMETIC DRAWING CHANGES
B	JDR/ARH	DPO		10/25/02	CHANGED PRETINNED AREA, MOVED CHECK VALVE PORT, COSMETIC CHANGES TO DRAWING
A	ARH	DPO		9/19/02	INITIAL RELEASE

UNLESS OTHERWISE SPECIFIED

TOLERANCES		
	X.X ± 0.1	FRAC. ± 1/64
	X.XX ± 0.03	Angles ± 1.00°
	X.XXX ± 0.010	FINISH 125/

DO NOT SCALE PRINT

THREADS ARE CLASS 2
CHAMFER ENDS OF ALL SCREW THEADS 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

ITEM	PART NO	REQD	DESCRIPTION	MATERIAL
3	-	27	M5 CAPTIVE NUT, PEM AC-M5-1-SF	SS
2	-	1	SHEET, .125 THICK	COPPER,OFHC, C101

SHOP ORDERS

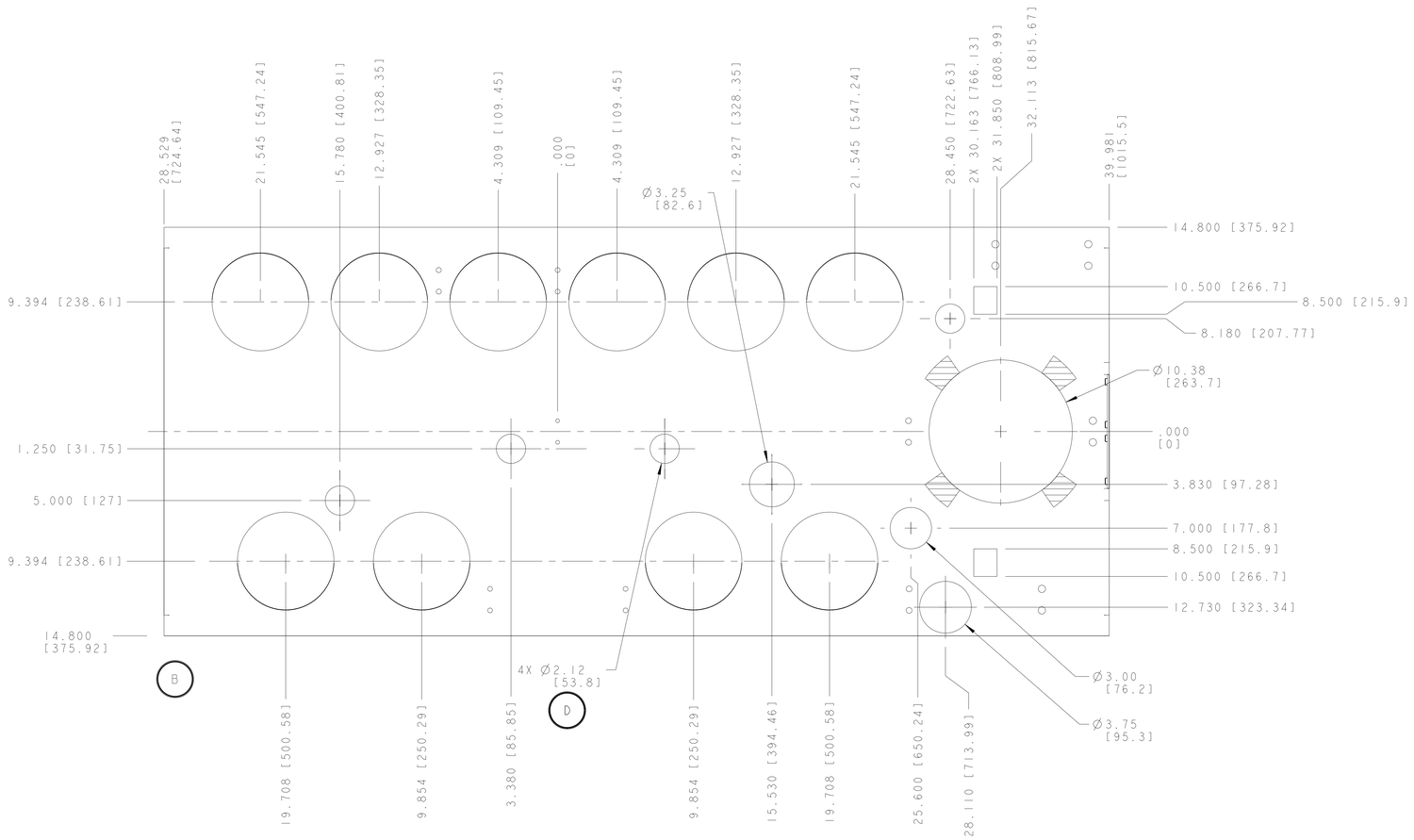
ACCT NO.	NO. REQD	SER NO. -
DEL TO		DATE ISSD -
		DATE REQD -
SURFACE TREATMT	-	
IDENT METHOD	TAG	
PROJECT NUMBER	N/A	
PROJECT NAME	N/A	
DWG BY	R. LA MANTIA	DATE 18-Feb-02
CHK BY	Jon Zbasnik/S.Virostek	DATE 13-AUG-02
APR BY	Jon Zbasnik/D.Oshatz	DATE 13-AUG-02

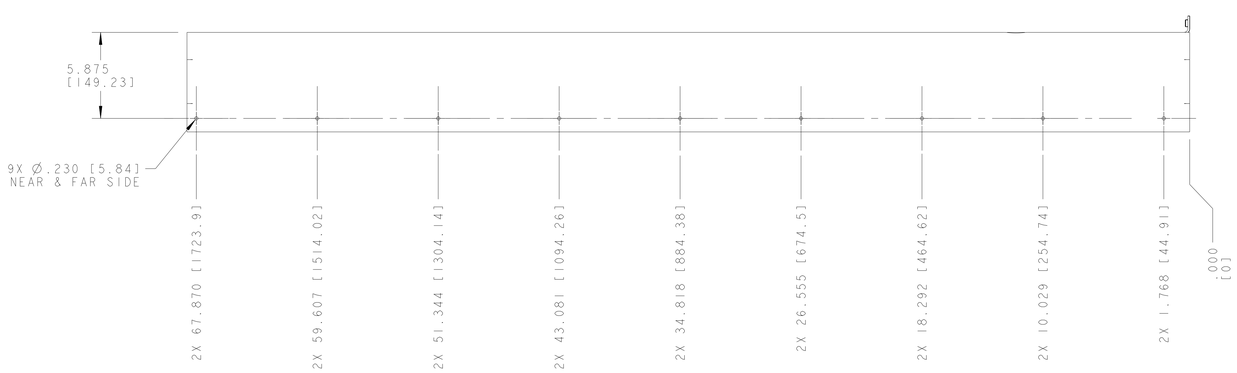
ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

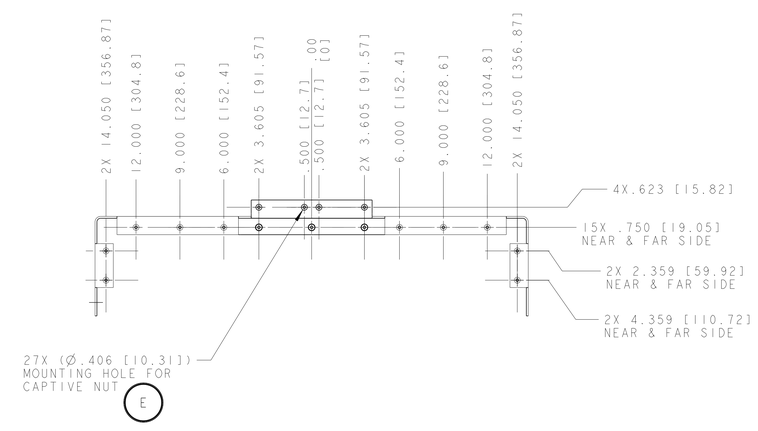
LHC IR FEEDBOX
CRYOGENICS
TOP COVER, NEGATIVE SD, DFBXC/DFBXG

MICROFILMED:	DWG. TYPE	SHOWN ON	SCALE: 1/4	DO NOT SCALE PRINTS
	ASSEM	24C3526	SHEET 1 OF 4	
PATENT CLEAR:	DESIGN ACCT. NO.	CATEGORY CODE	DWG. NO.	SIZE / REV.
	Z5LCE2	LH2003	2510696	E

DWG. NO. 2510696 SIZE E REV. 1 SH. 1







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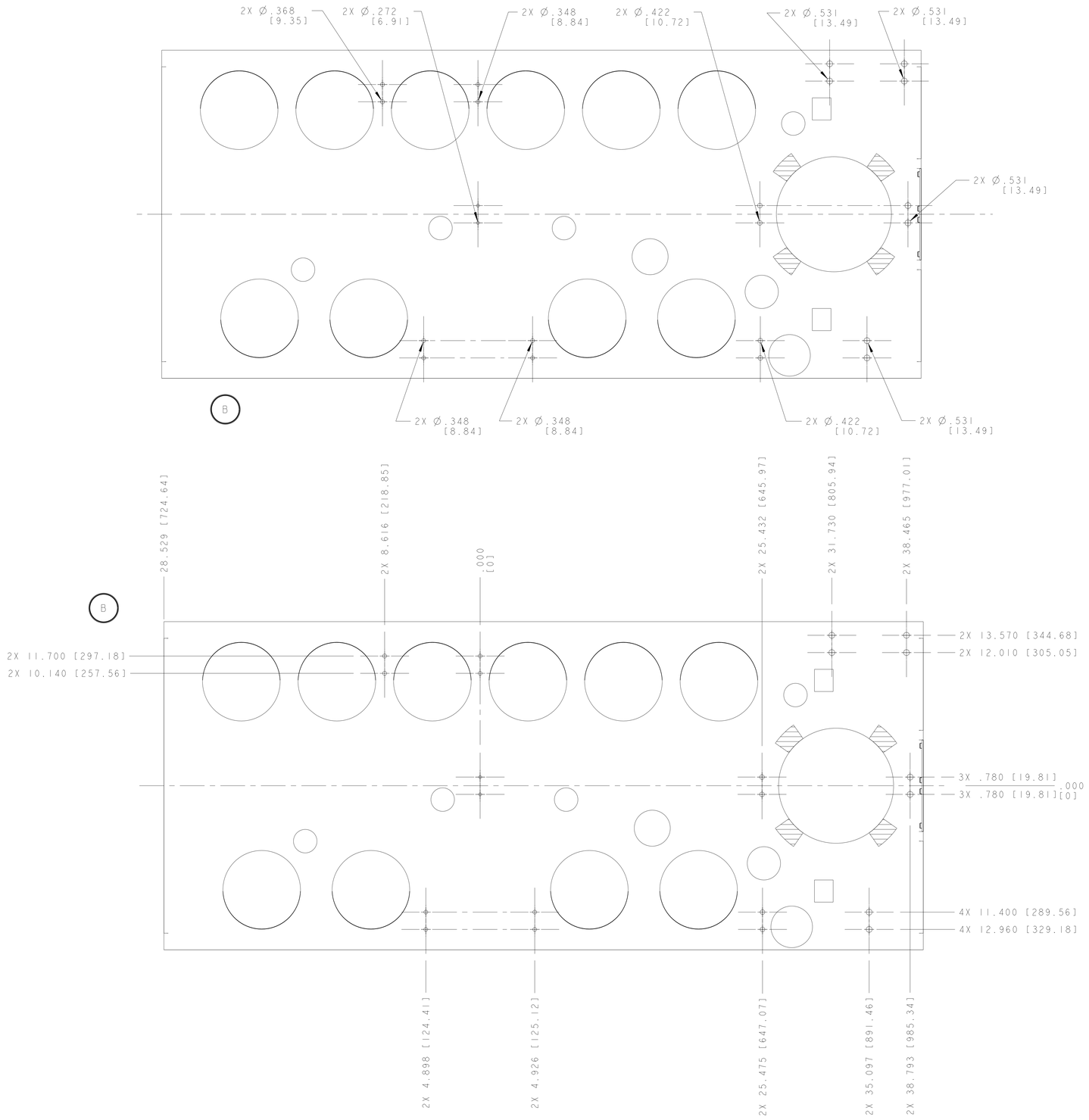
LHC IR FEEDBOX
CRYOGENICS
TOP COVER, NEGATIVE SD, DFBXC/DFBXG

MICROFILMED:	DWG. TYPE	SHOWN ON	SCALE: 1/4	DO NOT SCALE PRINTS
	ASSEM	24C3526	SHEET 2 OF 4	
PATENT CLEAR:	DESIGN ACCT. NO.	CATEGORY CODE	DWG. NO.	SIZE / REV.
	Z5LCE2	LH2003	2510696	E

DWG. NO. 2510696 SIZE/REV. E SH. 2



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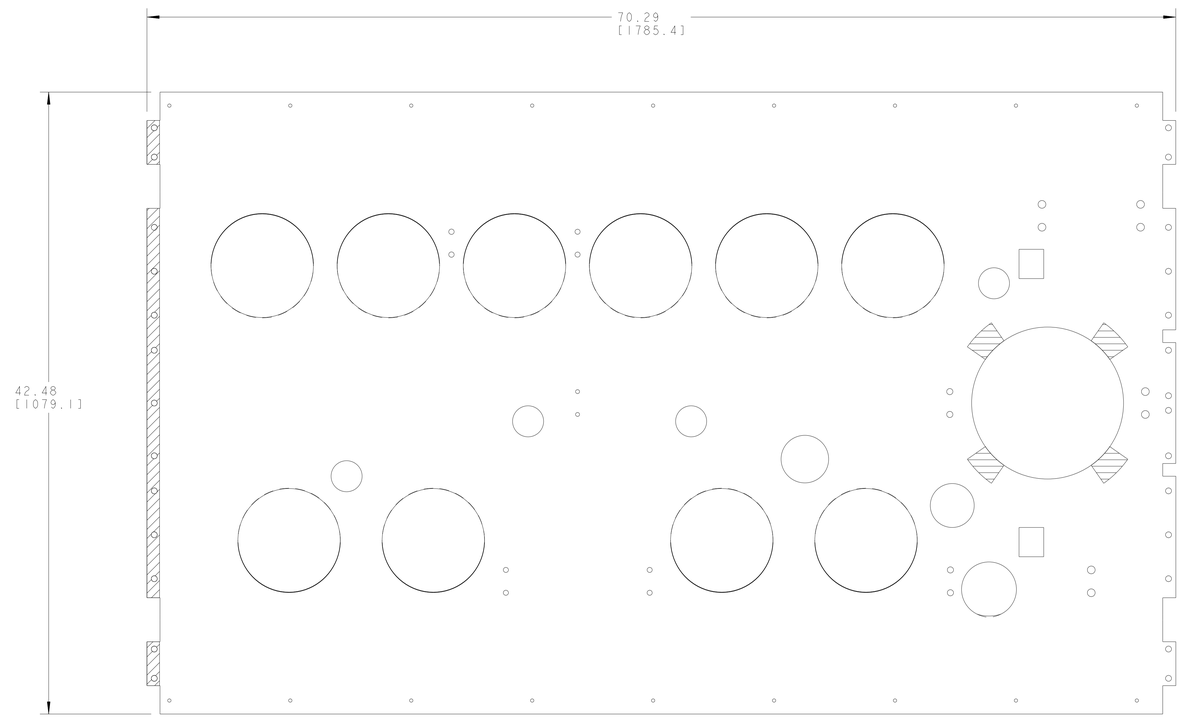
BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

LHC IR FEEDBOX
CRYOGENICS
TOP COVER, NEGATIVE SD, DFBXC/DFBXG

MICROFILMED:	DWG. TYPE	SHOWN ON	SCALE: 1/4	DO NOT SCALE PRINTS
	ASSEM	24C3526	SHEET 3 OF 4	
PATENT CLEAR:	DESIGN ACCT. NO.	CATEGORY CODE	DWG. NO.	SIZE / REV.
	Z5LCE2	LH2003	2510696	E

DWG. NO. 2510696 SIZE / REV. / SH. E 3



FLAT PATTERN
SCALE 1/4

ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

LHC IR FEEDBOX
CRYOGENICS
TOP COVER, NEGATIVE SD, DFBXC/DFBXG

MICROFILMED:	DWG. TYPE	SHOWN ON	SCALE: 1/4	DO NOT SCALE PRINTS
	ASSEM	24C3526	SHEET 4 OF 4	
PATENT CLEAR:	DESIGN ACCT. NO.	CATEGORY CODE	DWG. NO.	SIZE	REV.
	Z5LCE2	LH2003	2510696		E

DWG. NO. 2510696 SIZE E REV. 4