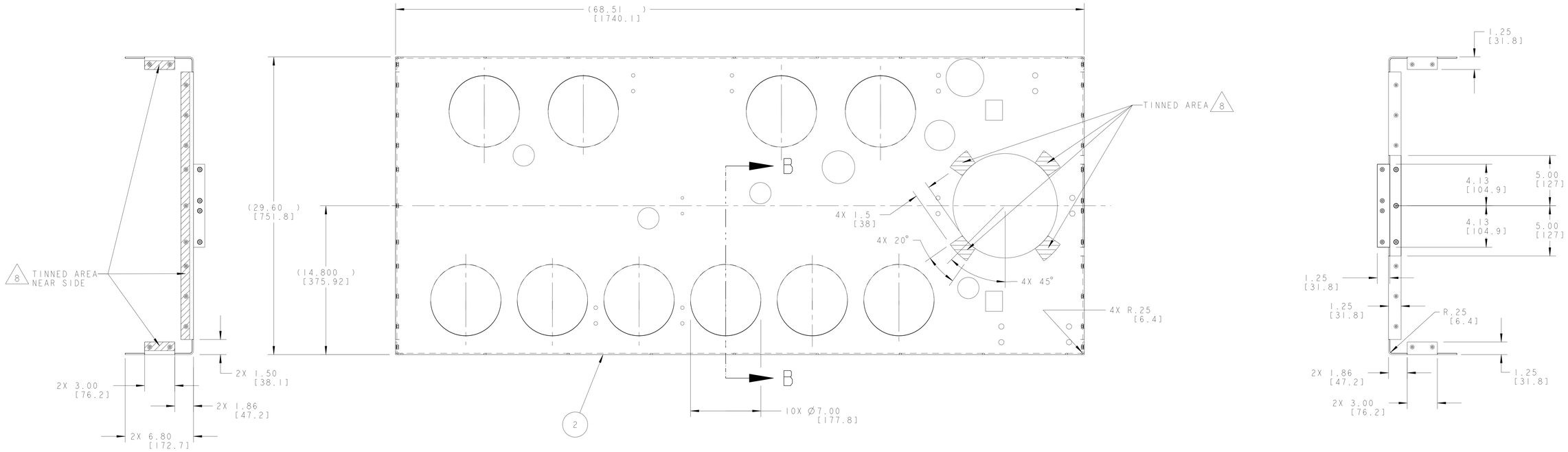



NOTES: (UNLESS OTHERWISE SPECIFIED)

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 |
|---|---|---|---|---|---|
| D | RLM | JPZ | | 10/16/03 | Ø.406 WAS .272 FOR PEM NUT INSTALLATION |
| C | RLM | JPZ | | 8/20/03 | Ø2.12 WAS Ø2.00 |
| B | ARH | SPV | | 01/02/03 | COSMETIC CHANGES TO DRAWING, ADDED DIMS TO VIEW, SHEET 3, DELETED 3RD ANGLE PROJECTION, SHEETS 2-4 |
| 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 TREADS 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

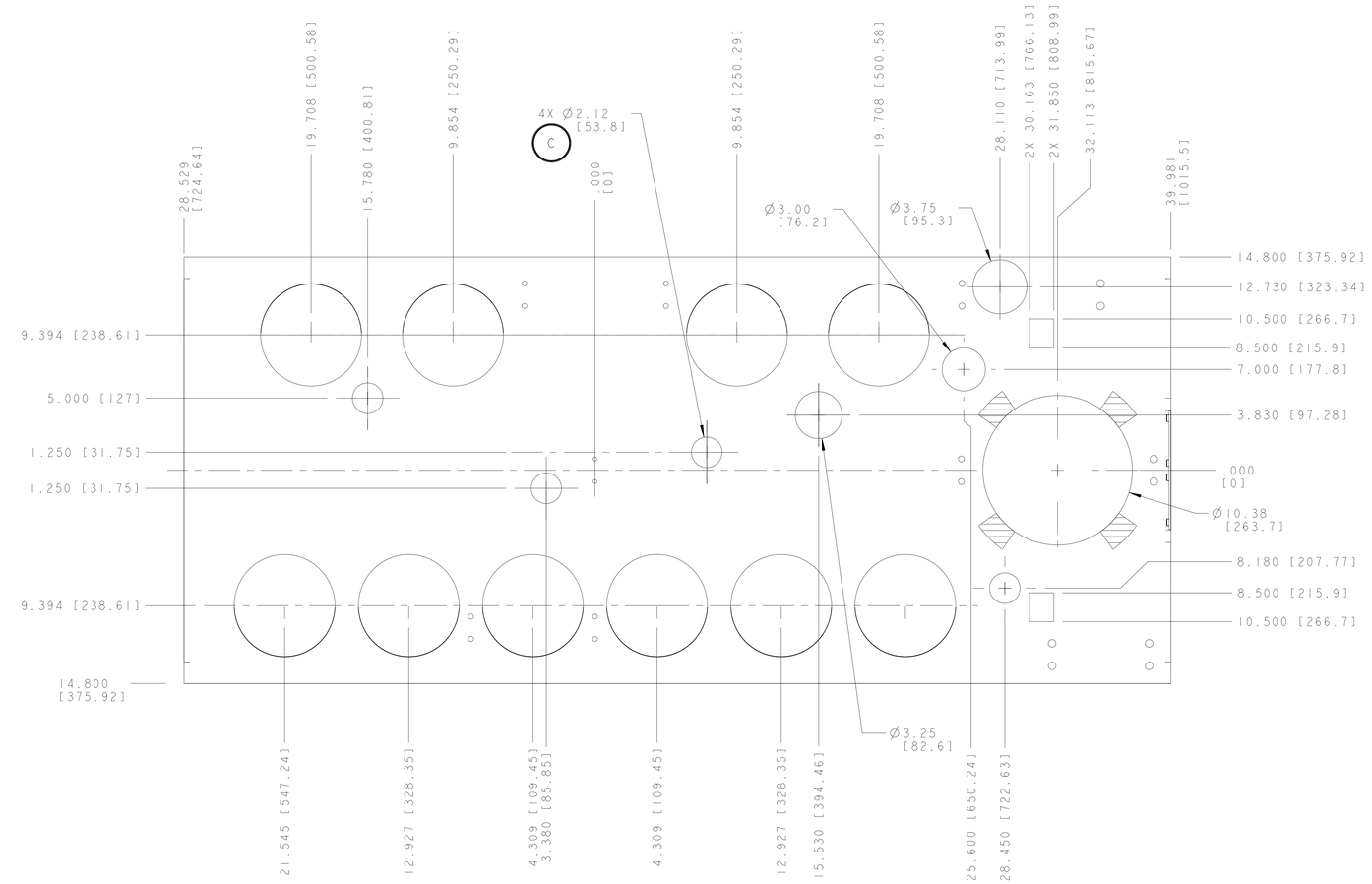
| | | |
|---|---|---|
| ACCT NO. | NO. REQD | SER NO. - |
| DEL TO | | DATE ISSD - |
| | | DATE REQD - |
| SURFACE TREATMT - | | |
| IDENT METHOD TAG | | |
| PROJECT NUMBER N/A | | |
| PROJECT NAME N/A | | |
| DWG BY R. LA MANTIA | | DATE 18-Feb-02 |
| CHK BY Jon Zbasnik/S.Virostek | | DATE 13-AUG-02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

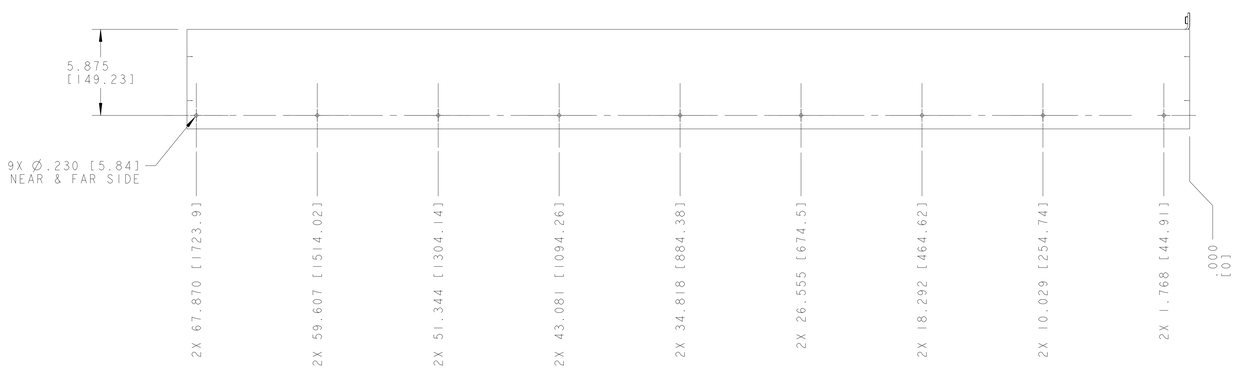
ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

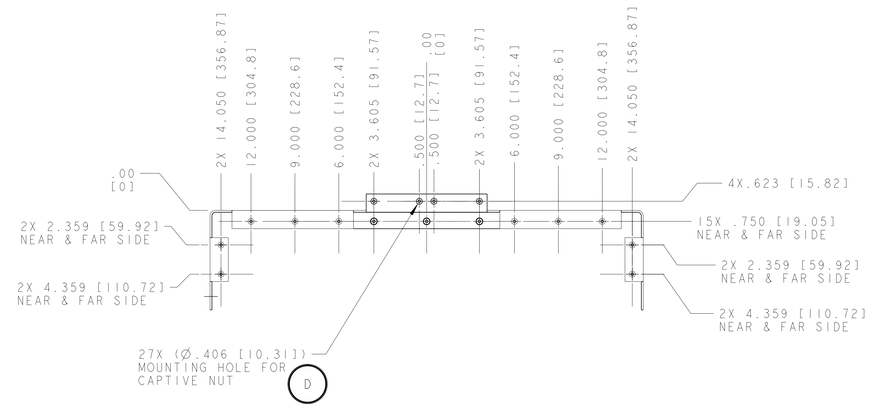
LHC IR FEEDBOX
CRYOGENICS
TOP COVER, NEGATIVE SD, DFBXC/DFBXG

| 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 | 2516256 | D |

DWG. NO. 2516256 SIZE D REV. 1 SH. 1

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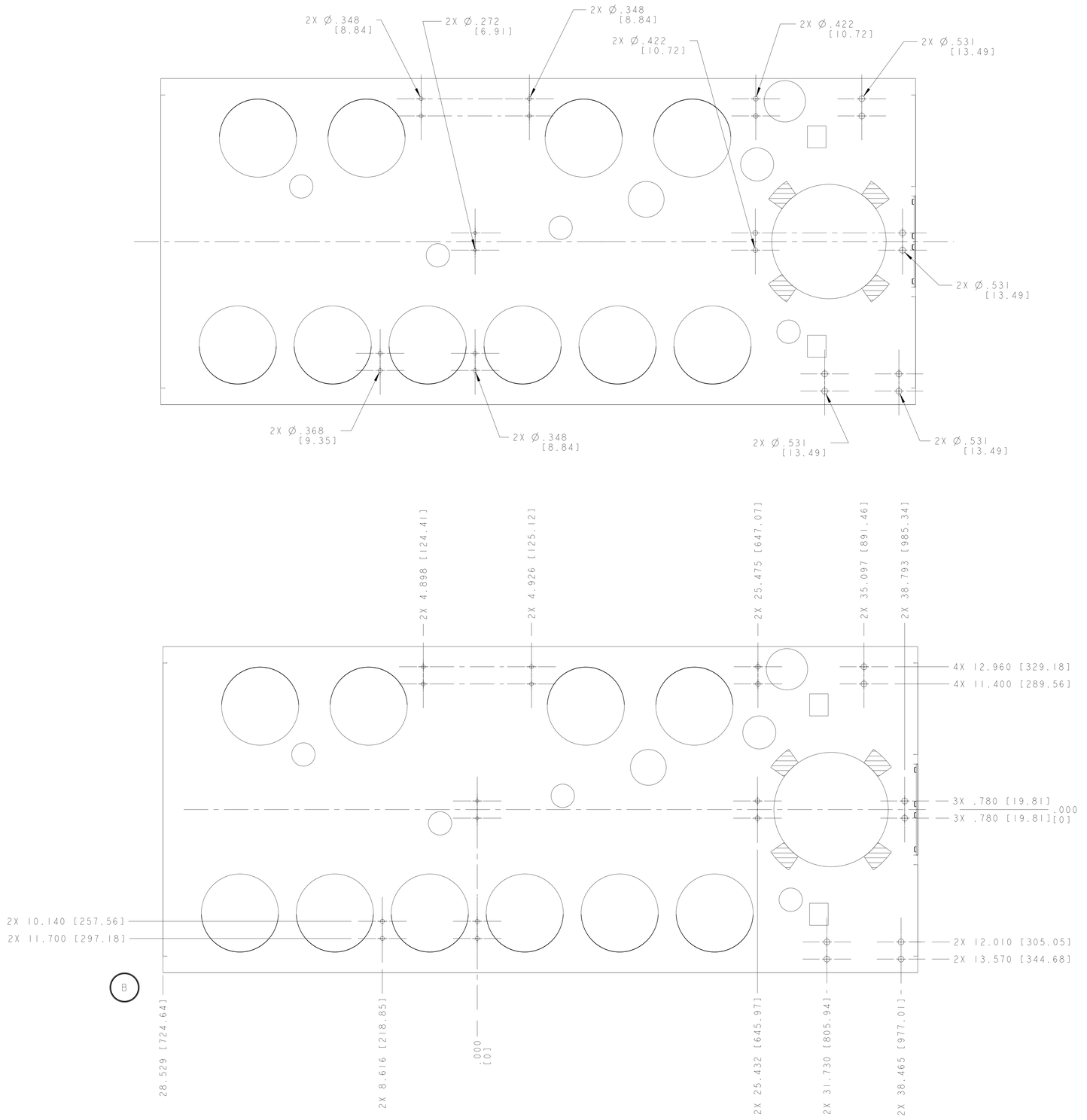
LHC IR FEEDBOX
CRYOGENICS
TOP COVER, NEGATIVE SD, DFBXC/DFBXG

| 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 | 2516256 | D |

DWG. NO. 2516256 SHT. 2 REV. D

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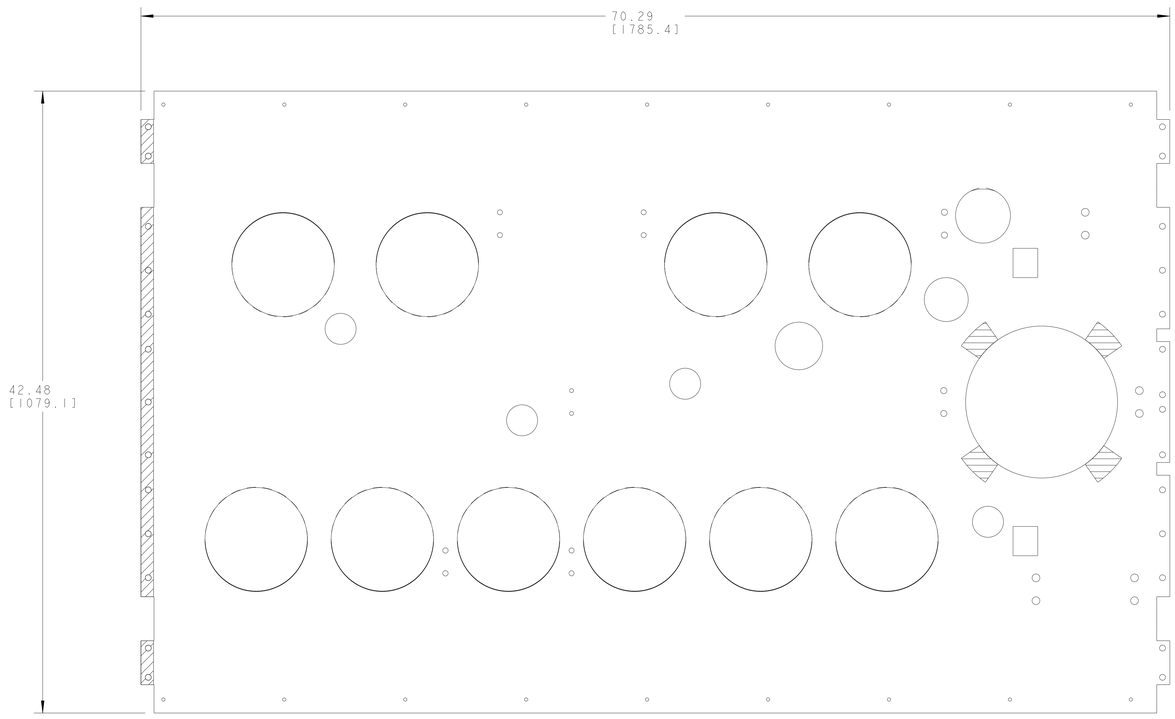
LHC IR FEEDBOX
CRYOGENICS
TOP COVER, NEGATIVE SD, DFBXC/DFBXG

| MICROFILMED: | DWG. TYPE | SHOWN ON | SCALE: 1/4 | DO NOT SCALE PRINTS |
|---|---|---|---|---|
| | ASSEM | 24C3526 | SHEET 3 OF 4 | |
| PATENT CLEAR: | DESIGN ACCT. NO. | CATEGORY CODE | DWG. NO. | SIZE / REV. |
| | Z5LCE2 | LH2003 | 2516256 | D |

DWG. NO. 2516256 SIZE D REV. 3




# FLAT PATTERN
# SCALE 1/4

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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 | 2516256 | D |

DWG. NO. 2516256 SIZE/REV. D 4