



DCN No.  
LAT-XR-05698-01

## LAT PROJECT DOCUMENT CHANGE NOTICE (DCN)

SHEET 1 OF 1

<b>ORIGINATOR:</b> Dave Tarkington	<b>PHONE:</b> 650-926-3791	<b>DATE:</b> 1/28/05
<b>CHANGE TITLE:</b> DCN for Updated Electronics TEM/TPS Drawings		<b>ORG.:</b>
<b>DOCUMENT NUMBER</b>	<b>TITLE</b>	<b>NEW REV.</b>
LAT-DS-01481	GLAST Electronics Boxes DAQ Electronic TEM Box Assy	54
LAT-DS-01482	GLAST Electronics Boxes DAQ Electronics TPS Assy	54
LAT-DS-01646	GLAST Electronics Boxes TEM Circuit Card Assy	56
LAT-DS-02388	GLAST Electronics Boxes Circuit Card Assy Tower Power Supply	57
LAT-DS-02389	GLAST TPS Printed Wiring Board	54

**CHANGE DESCRIPTION (FROM/TO):**

Please see LAT-XR-05699-01 for changes made to these drawings

- LAT-DS-02391-56 – TPS Bill of Materials
- LAT-DS-02548-54 – TPS PWB Fab and Load
- LAT-DS-02830-53 – GLAST Electronics Boxes cable Assy TPS Input Power
- LAT-DS-00554-51 – TEM Electronic Box Assembly
- LAT-DS-03598-51 – TPS Cable Harness
- LAT-DS-02390-56 – TPS Schematic

**REASON FOR CHANGE:**

Incorporating vendor changes

**ACTION TAKEN:**  Change(s) included in new release  DCN attached to document(s), changes to be included in next revision  
 Other (specify):

**DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS):**

**DCN DISTRIBUTION:**

- No hardware affected (record change only)
- List S/Ns which comply already:
- List S/Ns to be reworked or scrapped:
- List S/Ns to be built with this change: SUB Builds to conform for all dwgs affected
- List S/Ns to be retested per this change:
- S/Ns to be used as is: LAT-DS-02388-55 GLAT1743, 1744, 1745, LAT-DS-02389-53 LAT-DS-01646-54 GLAT 1740, 1741, 1742; LAT-DS-01481-53 GLAT 1746, 1747, 1748; LAT-DS-01482-53 GLAT 1749, 1750, 1751; LAT-DS-02830-52 all builds of this rev use as is, sub builds to conform to rev 53; LAT-DS-02391 – N/A; LAT-DS-00554-50 – rework all parts per #705, sub builds to conform; LAT-DS-03598-50 – Purge stock of PO# 52358 and PO# and 5110 per no# 707

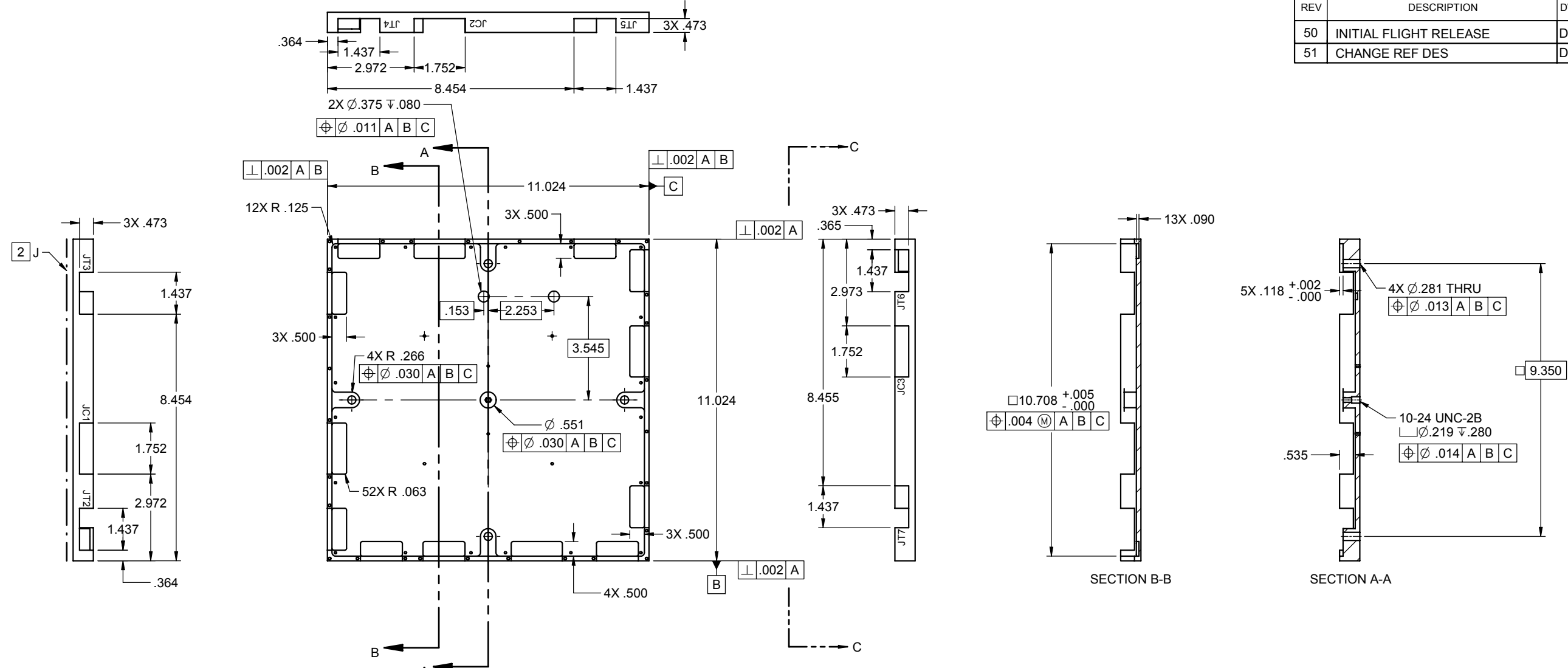
**SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT?**  YES  NO

If yes, CCB approval is required. Enter change request number:

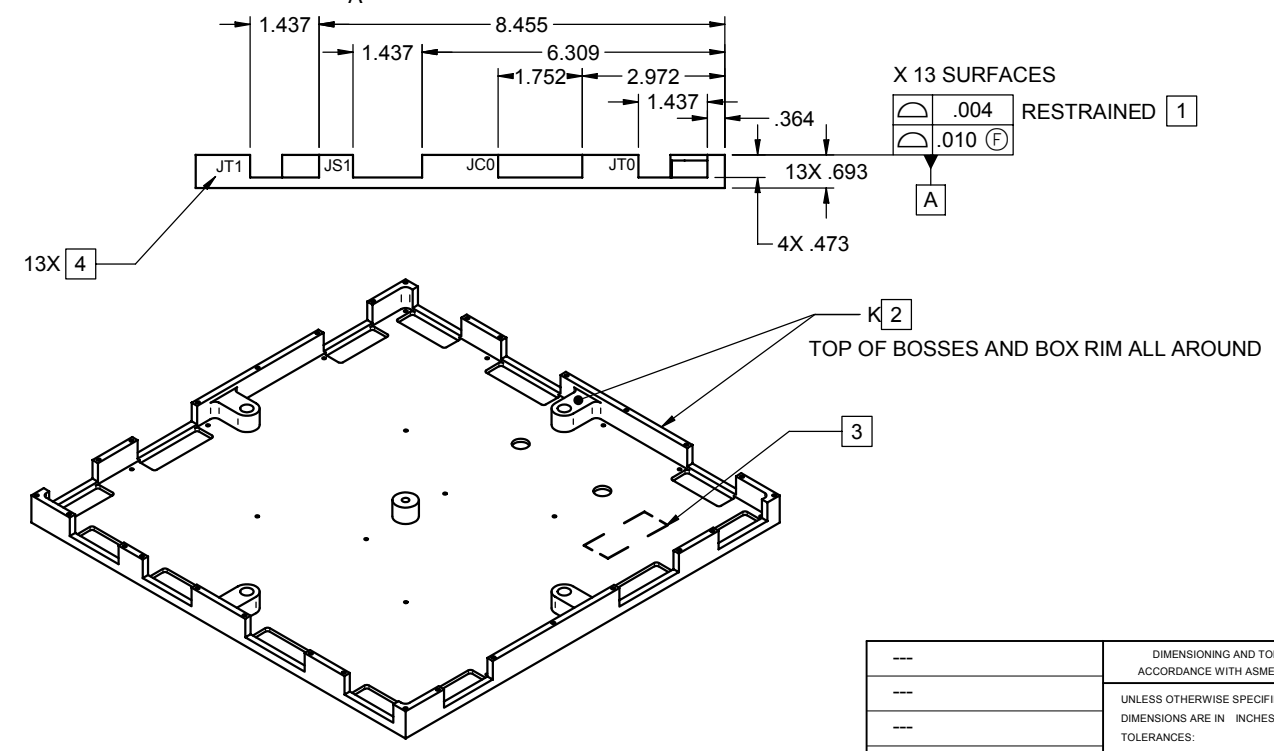
APPROVALS	DATE	OTHER APPROVALS (specify):	DATE
<b>ORIGINATOR:</b> D. Tarkington (signature on file)	1/28/05	SE- P. Hascall (signature on file)	1/28/05
<b>ORG. MANAGER:</b> G. Haller (signature on file)	1/28/05		
PSA- Darren Marsh (signature on file)	1/28/05		
Manufacturing- R. Patterson (signature on file)	1/28/05		
Elec. – D. Nelson (signature on file)	1/28/05		
<b>DCC RELEASE:</b> Natalie Cramar (signature on file)	1/28/05	Doc. Control Level: <input checked="" type="checkbox"/> Subsystem <input type="checkbox"/> LAT IPO <input type="checkbox"/> GLAST Project	

DCN No: LAT-XR-05698-01

REV	DESCRIPTION	DWN	CHK	RAP	V	DATE
50	INITIAL FLIGHT RELEASE	DPT	AO	DN		04/04
51	CHANGE REF DES	DPT	AO	DN		01/05



- NOTES:
- PART MAY BE RESTRAINED IN A MAXIMUM OF TWO PLACES BY A FORCE OF 50 LB. MAX TO OBTAIN THE SPECIFIED PROFILE. WHILE RESTRAINED, ALL OTHER FEATURES MUST BE WITHIN STATED TOLERANCES.
  - ELECTROLESS NICKEL PLATE SURFACES .0002"-.0004" J & K PER AMS2404E, CLASS 4. DIMENSIONAL LIMITS AND SURFACE TEXTURE VALUES APPLY AFTER PLATING. BLACK ANODIZE ALL OTHER SURFACES PER MIL-A-8625F, TYPE III. MASK ALL THREADED HOLES BEFORE PLATING.
  - MARK PART NUMBER AND SERIAL NUMBER USING ITEM 2 IN APPROXIMATE AREA SHOWN. SERIAL NUMBER CONSISTS OF DRAWING NUMBER, LATEST REVISION LEVEL AND UNIQUE 2 DIGIT SUFFIX.
  - MARK CONNECTOR REFERENCE DESIGNATORS USING ITEM 2 TO THE LEFT OF EACH SIDEWALL CUTOUT AS SHOWN.

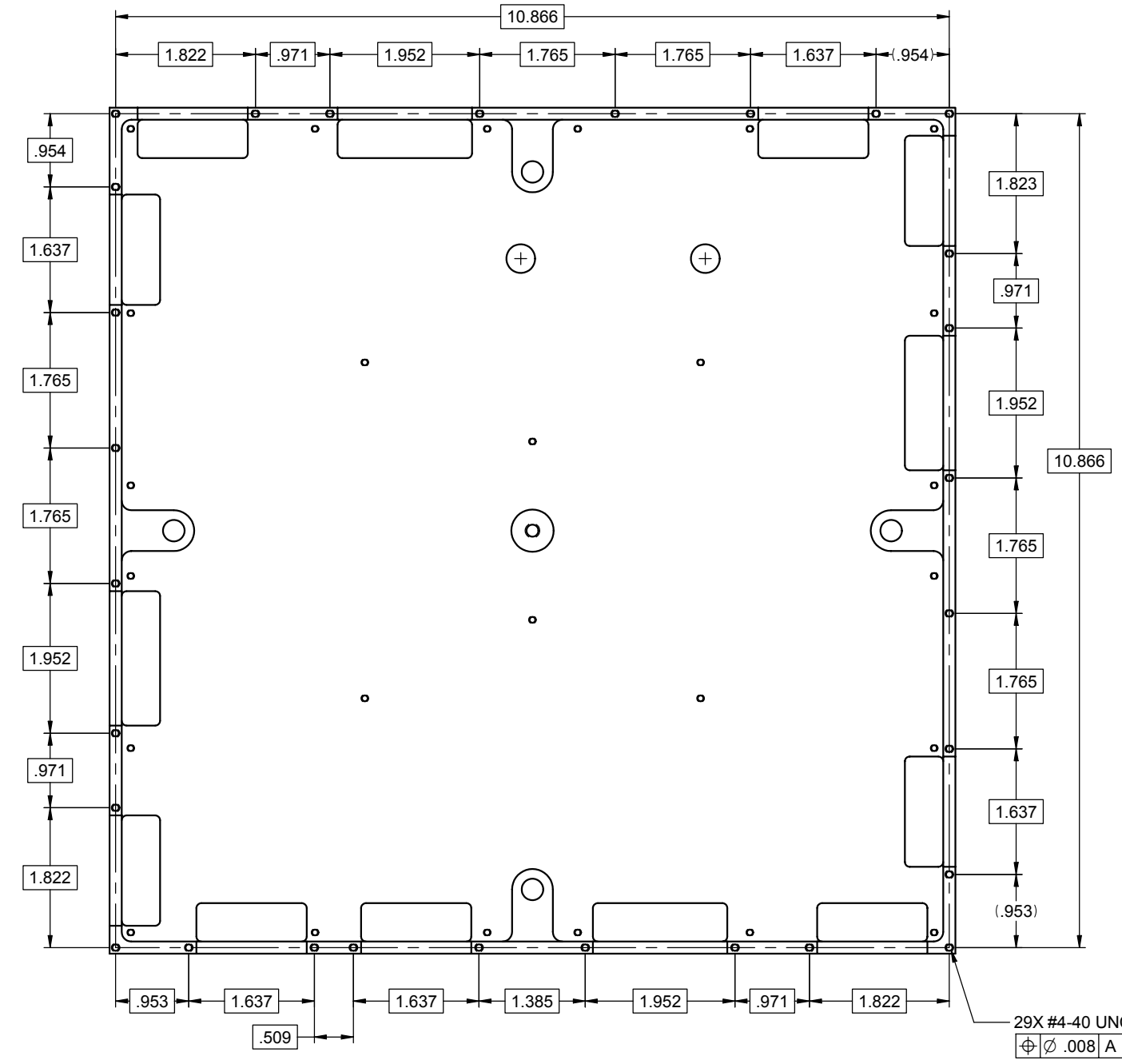


**APPROVED -1/28/05**  
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ITEM	STOCK OR PART NO	TITLE OR DESCRIPTION	QTY
2	CAT-L-INK	INK, DEXTER HYSOL, 100/6 BW WHITE	AR
1	AMS-QQ-A-250/11	6061-T651 ALUMINUM	AR

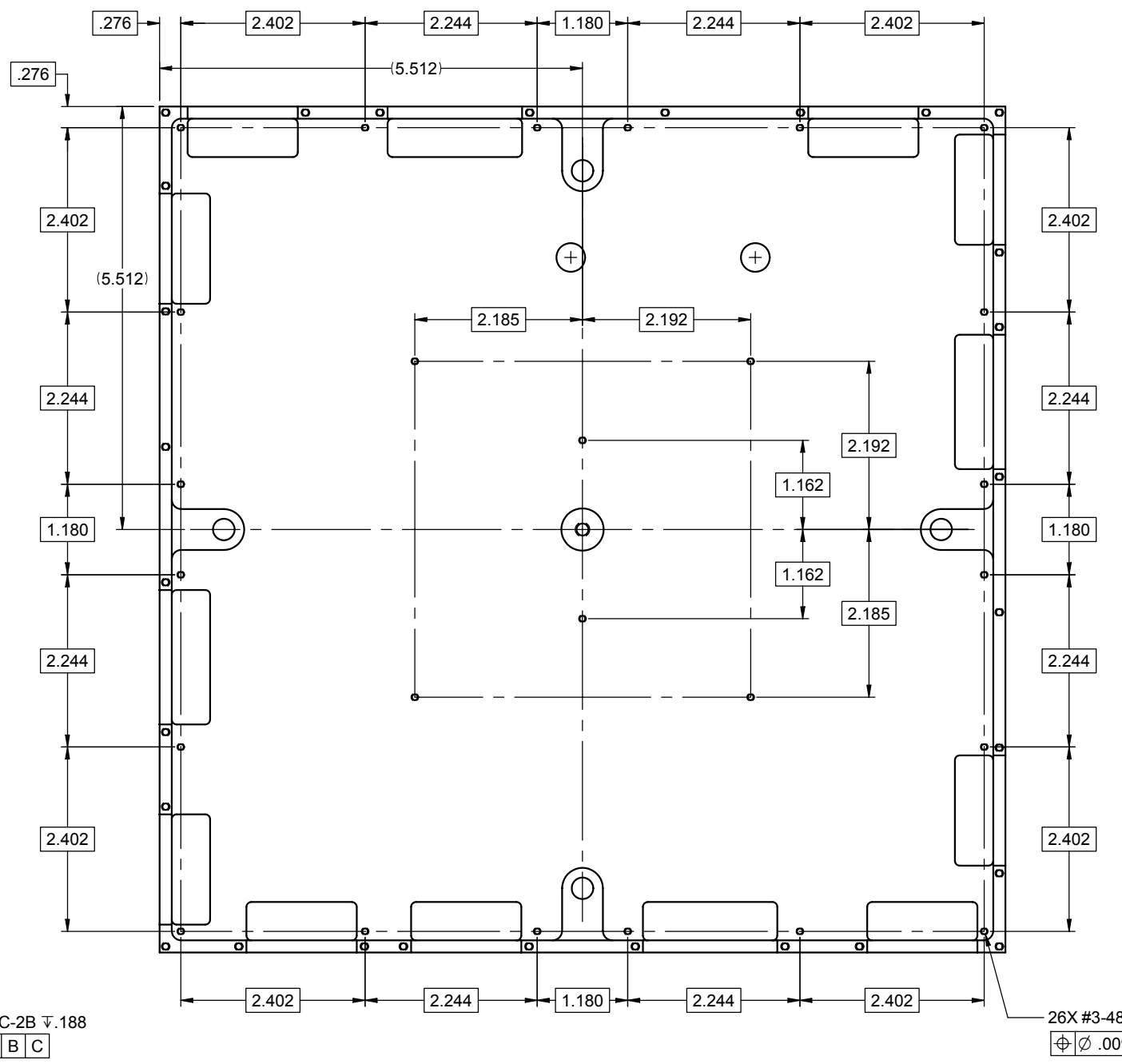
DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994.		SCALE: 1:2	DO NOT SCALE DRAWING	CAD FILE NAME: LAT-DS-00554-05.dft
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES: BREAK EDGES 005-015 INTERNAL CORNERS R.015 MAX FRACTIONS ± --- DEC .xx ± .01 .xxx ± .005 .xxxx ± --- ANGLE ± 5° ALL SURF		STANFORD LINEAR ACCELERATOR CENTER U.S. DEPARTMENT OF ENERGY STANFORD UNIVERSITY STANFORD, CALIFORNIA		<b>GLAST ELECTRONICS BOXES</b> <b>TEM BOX ASSY</b> <b>TEM BOX BASE</b>
LAT-DS-01481		PROPRIETARY DATA OF STANFORD UNIVERSITY AND/OR U.S. DEPARTMENT OF ENERGY. RECIPIENT SHALL NOT PUBLISH THE INFORMATION WITHIN UNLESS GRANTED SPECIFIC PERMISSION OF STANFORD UNIVERSITY. ENGR DAVE NELSON DATE DWN J STANFIELD 9-10-03 CHKR O FRENER		
NEXT ASSEMBLIES:		APPROVALS DAVE NELSON		DRAWING NUMBER <b>LAT-DS-00554</b>
				REVISION NUMBER <b>51</b>

D  
C  
B  
A



VIEW C-C

29X #4-40 UNC-2B  $\nabla$  .188  
 $\oplus \varnothing .008$  A B C



VIEW C-C

26X #3-48 UNC-2B THRU  
 $\oplus \varnothing .009$  A B C

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<p>--- --- --- --- --- ---</p> <p>NEXT ASSEMBLIES:</p>	<p>DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994.</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.</p> <p>TOLERANCES:          BREAK EDGES .005-.015          INTERNAL CORNERS R.015 MAX          FRACTIONS <math>\pm</math> ---          DEC .xx <math>\pm</math> .01          .xxx <math>\pm</math> .005          .xxxx <math>\pm</math> ---          ANGLE <math>\pm</math> 5°</p>	<p>SCALE: 1:1</p>	<p>DO NOT SCALE DRAWING</p>	<p>CAD FILE NAME: LAT-DS-00554-05.dft</p>	<p>STANFORD LINEAR ACCELERATOR CENTER          U.S. DEPARTMENT OF ENERGY          STANFORD UNIVERSITY STANFORD, CALIFORNIA</p> <p>PROPRIETARY DATA OF STANFORD UNIVERSITY AND/OR U.S. DEPARTMENT OF ENERGY. RECIPIENT SHALL NOT PUBLISH THE INFORMATION WITHIN UNLESS GRANTED SPECIFIC PERMISSION OF STANFORD UNIVERSITY.</p> <p>ENGR DAVE NELSON          DWN J STANFIELD 9-6-02          CHKR MIKE FOSS</p>	<p>DATE 9-6-02</p> <p>APPROVALS          DAVE NELSON</p>	<p><b>GLAST ELECTRONICS BOXES          TEM BOX ASSY          TEM BOX BASE</b></p> <p>DRAWING NUMBER  <b>LAT-DS-00554</b></p>	<p>REVISION NUMBER  <b>51</b></p>	<p><b>D</b></p>
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SH 2 OF 2