

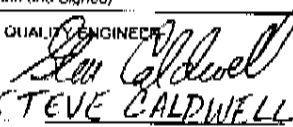


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1 PROJECT CODE SA-AMS		2 JPIC CODE AMS		TASK PERFORMANCE SHEET																																	
				NASA - LYNDON B. JOHNSON SPACE CENTER																																	
T Y P E	3 A CONFIGURATION CHANGE <input type="checkbox"/>		4 TPS NO 2A0720268		5 PAGE 1 OF 3																																
	PERMANENT <input type="checkbox"/> TEMPORARY <input type="checkbox"/>		6. MOD SHEET(S) NUMBER(S) N/A		7 ORG. EA	8. SYSTEM AMS																															
	B NONCONFIGURATION CHANGE <input checked="" type="checkbox"/>				9. NCED DATE 12/10/07																																
10. PART NAME XE Vessel Blanket Assembly			11. PART NO./DRAWING NO. SEG39137628-301, SEG39137628-302		12. SERIAL/LOT NO 1001, 1003																																
14 APPLICABLE DOCUMENTS N/A			15. CONTRACT NO./JOB NO. NNJ05HT05C		13. TIME/CYCLE/SHELF LIFE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																																
18 SHORT TITLE OF TPS Off-line Fit Check Class I XE Vessel Blanket Assy on AMS at CERN					16 HAZ TEST <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																																
19 ADP UPDATE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					17 FNG EVAL. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO																																
20 OPER SEQ. NO.		21 OPERATIONS (Print, Type, or Write Legibly)  11-1-07				VERIFICATION																															
		<p>NOTE: This is Crit 3 hardware. The purpose of this TPS is to perform an off-line fit check of the XE Vessel Blanket Assembly onto the Class I AMS hardware at the Center European Research Nuclear (CERN). The fit check will be photo documented and an Installation Procedure TPS will be developed for performing the final installation of the MLI Blankets to the respective AMS component.</p> <p>1. Open this TPS.</p> <p>2. Review facility safety procedures before beginning work.</p> <p>3. Ensure all necessary protective garments are donned according to clean room guidelines in the AMS assembly facility where fit check work will be performed.</p> <p>4. Locate the following items in CERN Clean Room:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>QTY</th> <th>P/N</th> <th>Description</th> <th>S/N</th> <th>L/N</th> <th>Shelf Life</th> <th>Class</th> </tr> </thead> <tbody> <tr> <td>1 ea</td> <td>SEG39137628-301</td> <td>XE Vessel Blanket Assy</td> <td>1001</td> <td>N/A</td> <td>N/A</td> <td>I</td> </tr> <tr> <td>1 ea</td> <td>SEG39137628-302</td> <td>XE Vessel Blanket Assy</td> <td>1003</td> <td>N/A</td> <td>N/A</td> <td>I</td> </tr> <tr> <td>1 roll</td> <td>ST90M078-02</td> <td>Aluminized Mylar Tape</td> <td>N/A</td> <td>01369655-001</td> <td>09/10/08</td> <td>I</td> </tr> </tbody> </table> <p>5. Prepare a clean surface for un-bagging the AMS MLI Blankets.</p> <p>6. Remove the XE Vessel Blanket Assembly, P/N SEG39137628-301, S/N 1001, and the XE Vessel Blanket Assembly, P/N SEG39137628-302, S/N 1003, from pink poly.</p> <p>7. Perform a visual inspection of the humidity indicators and record percentage reading below Reading: <u>LESS THAN 10% FOR SEG39137628-301, S/N 1001</u> <u>10% FOR SEG39137628-302, S/N 1003</u></p>				QTY	P/N	Description	S/N	L/N	Shelf Life	Class	1 ea	SEG39137628-301	XE Vessel Blanket Assy	1001	N/A	N/A	I	1 ea	SEG39137628-302	XE Vessel Blanket Assy	1003	N/A	N/A	I	1 roll	ST90M078-02	Aluminized Mylar Tape	N/A	01369655-001	09/10/08	I	22 TECH		23 QADV	
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24 ORIGINATOR T. Wille TERRY WILLE		DATE 11/01/07		25 FINAL ACCEPTANCE STAMP AND DATE  12-4-07																																	
APPROVALS (Printed or Typed and Signed)																																					
26 PROJECT ENGINEER J. Cornwall J. Cornwall		DATE 11-01-07		27 QUALITY ENGINEER  STEVE CALDWELL		DATE 11-1-07																															
28 N/A		N/A		28 N/A		N/A																															
30 N/A		N/A		31 N/A 10		N/A																															

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TASK PERFORMANCE SHEET
 CONTINUATION PAGE
 NASA - LYNDON B. JOHNSON SPACE CENTER

4. TPS NO.

2A0720268

6. MOD NO.

N/A

20. OPER
SEQ NO.

21. OPERATIONS
(Print, Type, or Write Legibly)

VERIFICATION

22. TECH
23. QADV
TLW
11-22-07

8. Perform a visual inspection of the MLI Blankets for signs of damage and record any findings.
 Findings: NO DAMAGE

9. Coordinate with the persons responsible for the integration of the MLI Blankets to the AMS hardware and discuss how the MLI Blankets will be attached to the hardware. After a safe plan of attachment/installation has been agreed on, begin the installation fit check and document the steps taken to perform each task so they can be used for developing a flight installation procedure.

TLW
11-22-07

① MEASURE LOCATIONS OF PENETRATIONS FOR SEG 39137628-301.
 Fit Check Steps: ② MAKE SKETCH OF LOCATIONS OF CUTS. ③ CUT SLITS AND HOLES IN MLI. ④ INSTALL SEG 39137628-301 ONTO BACK OF XE VESSEL. ⑤ USE ALUMINIZED MYLAR TAPE, P/N 5140M078-02, TO TAPE SLITS BACK TOGETHER. ⑥ MEASURE LOCATIONS OF PENETRATIONS FOR SEG 39137628-302. ⑦ MAKE SKETCH OF LOCATIONS OF CUTS. ⑧ CUT HOLES IN MLI. ⑨ INSTALL SEG 39137628-302 ONTO FRONT OF XE VESSEL AND OVERLAP -302 ONTO -301 BY APPROXIMATELY 3/4". ⑩ USE ALUMINIZED MYLAR TAPE TO ATTACH -302 TO -301. ⑪ ON THE -302, TAPE THE DISC PART OF THE MLI TO THE CYLINDER PART OF THE MLI SO THE PROTECTIVE COVER CAN BE REINSTALLED BY OTHERS. ⑫ ON THE -301, TAPE THE DISC PART OF THE MLI TO THE CYLINDER PART OF THE MLI SO THE PROTECTIVE COVER CAN BE REINSTALLED BY OTHERS.

10. Perform a visual inspection of the quality of fit of the MLI Blankets onto the AMS hardware and document any modifications that may be necessary.

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Quality of fit: EXCELLENT FIT

Blanket modifications required: MODIFICATIONS REQUIRED DURING INSTALLATION ARE SHOWN ON ATTACHED SKETCH.

11. Upon completion of the MLI Blanket fit check, remove the MLI Blankets and perform a visual inspection of the MLI Blankets for signs of damage.
 Record and findings: NO DAMAGE.

TLW
11-22-07

12. Record locations of any additional penetrations that will be required to allow the attachment of the MLI Blankets to the AMS hardware: THERE ARE NO FURTHER ADDITIONAL PENETRATIONS OTHER THAN THE PENETRATIONS DOCUMENTED IN STEP 10.0 OF THIS TPS AND THE ATTACHED SKETCH.

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13. Re-bag the AMS MLI Blankets and place it in a protected area for temporary storage.

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14. Close this TPS.

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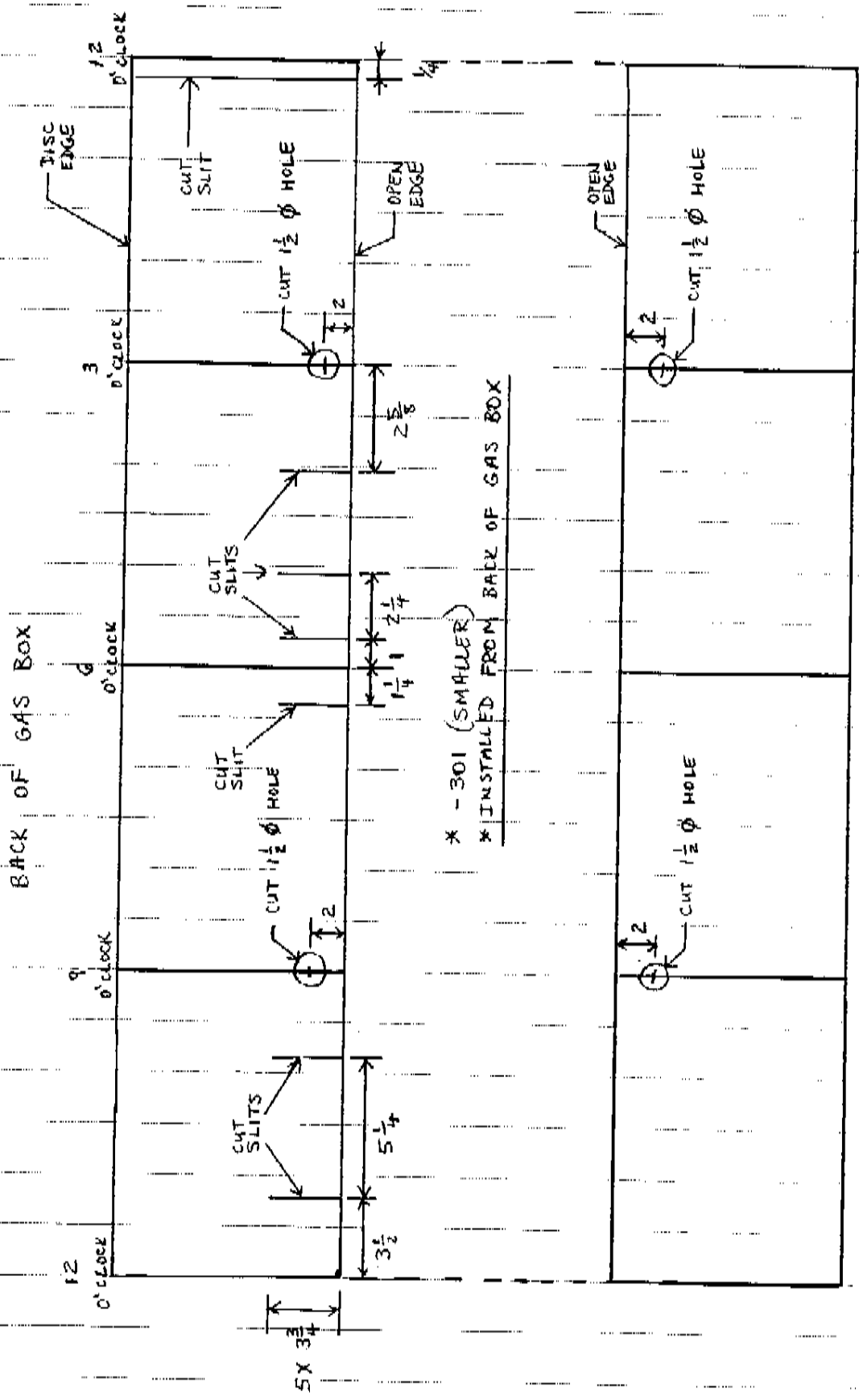
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THE VESSEL MLI ROLLED OUT VIEW (CYLINDER PORTION ONLY)

- * CLOCKWISE LOOKING FROM FRONT OF GAS BOX
- * INSIDE VIEW OF MLI



* - 301 (SMALLER)
 * INSTALLED FROM BACK OF GAS BOX

* - 302 (LARGER)
 * INSTALLED FROM FRONT OF GAS BOX

FRONT OF GAS BOX