

**ACIS Verification Summary Report****Specification:**

AXAF Observatory to Science Instrument ICD (IF1-20)

**Requirement Number/Title:**

3.5.3.2.1d SI Electronic Equipment Grounding (VRSD 3.5.3.2.1d)

**Requirement Statement:** ACIS shall provide two ground lugs; one for primary and one for redundant fault current return.

**Verification Method:**

Drawing Submittal

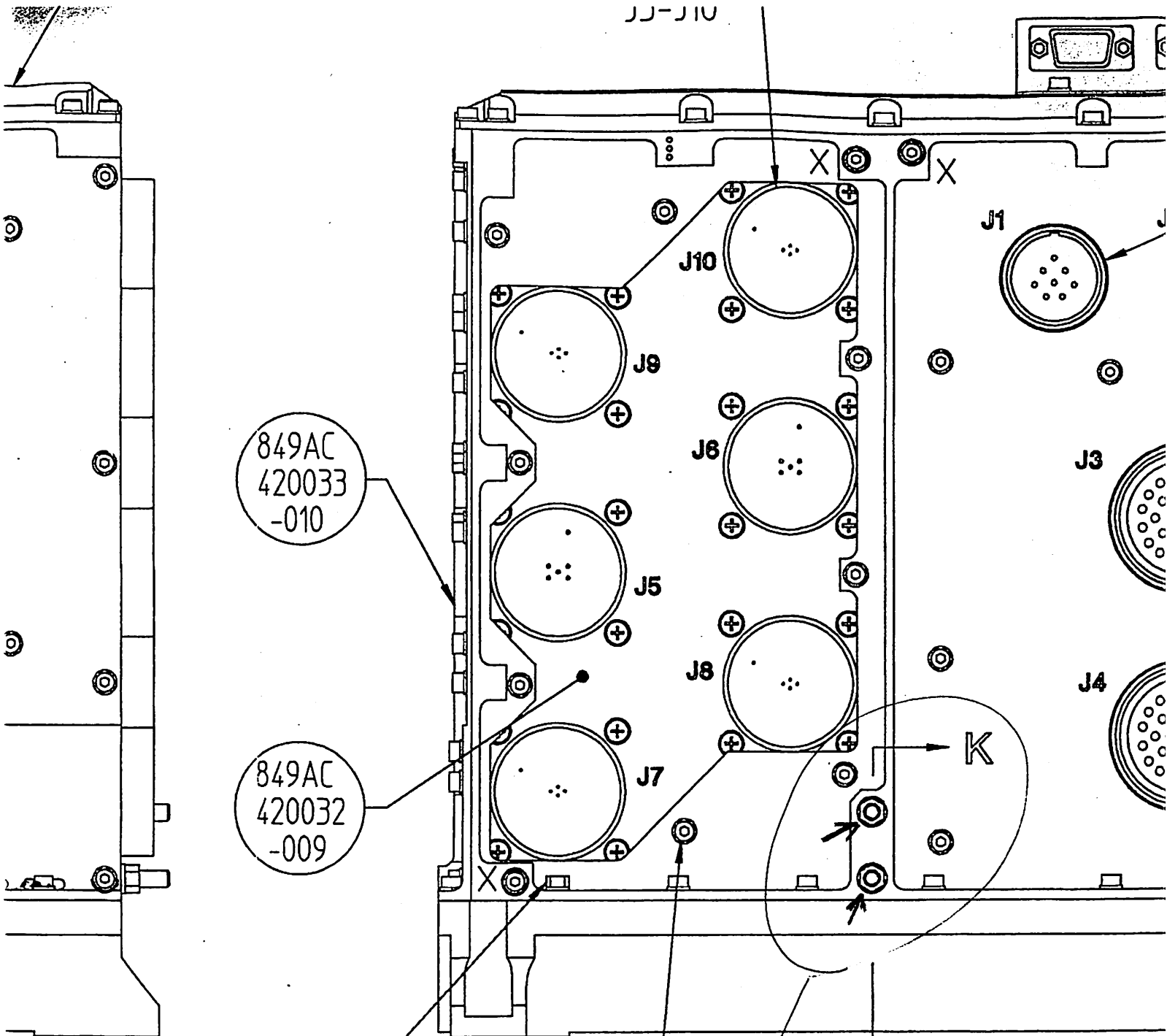
**Procedure Number:****Configuration:****Cycle Time:****Verification Discussion/Results:**

Attached is an excerpt from the Power Supply and Mechanism Controller Top Level Assembly Drawing 849AC420000, Sheet 2. The two ground lugs (either of which can be used as the primary or redundant return) are identified by the two arrows at detail "K". Submittal of this drawing provides closure for this requirement verification.

*Brent Rechal*  
ACIS Cognizant Engineer

*6/3/97*  
Date

JJ-310



849AC  
420033  
-010

849AC  
420032  
-009

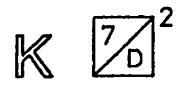
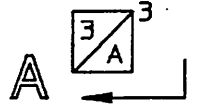
NAS  
302-  
6-4

NAS  
620  
C6L

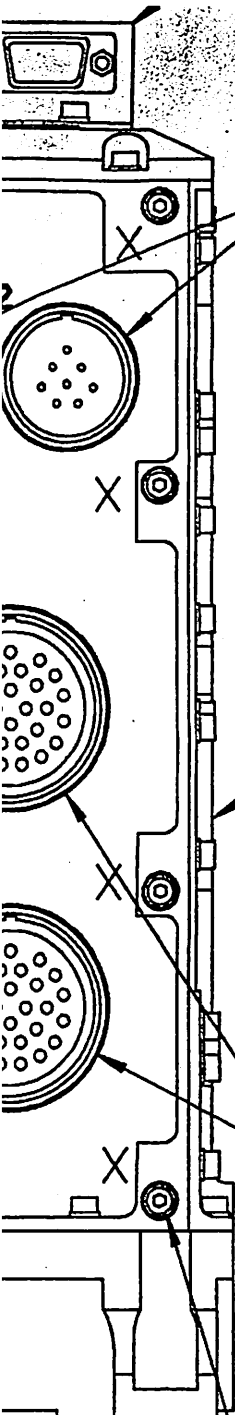
12X  
NAS  
1352C  
06-4

12X  
NAS  
620  
C6L

*2 gnd  
legs*



**-009 ASSEMBLY**



MS  
27502  
F17A

M680  
08-4.00  
-3.00

21

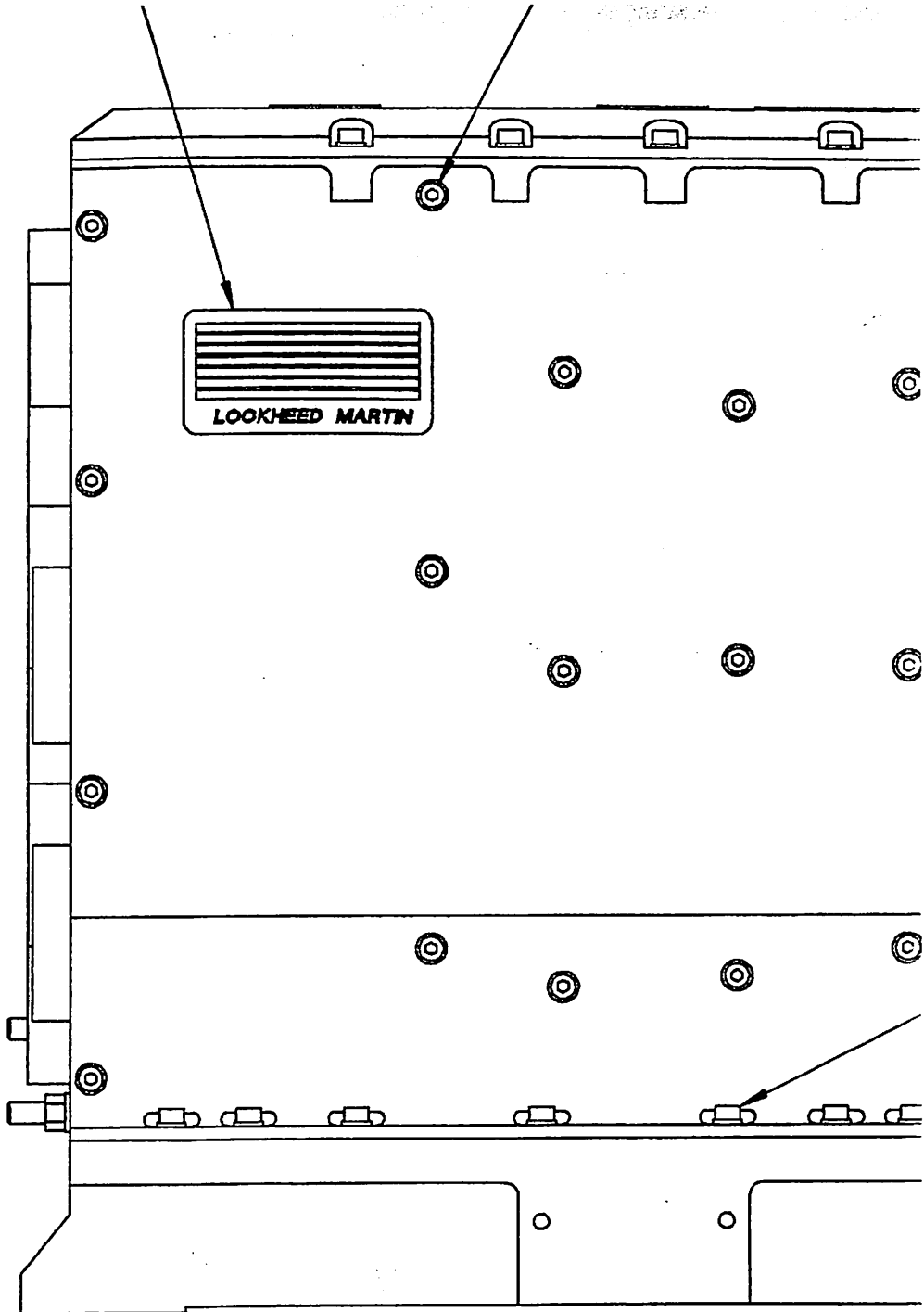
849AC  
420033  
-009

MS  
27502  
F25A

7X  
NAS  
1352C  
06-6

7X  
NAS  
620  
C6L


MARKED "X"



849AC 42000  
SHEET 2

# ACIS Verification Summary Report

Specification:	AXAF Observatory to Science Instrument ICD (IF1-20)
Requirement Number/Title:	3.5.3.2.1d SI Electronic Equipment Grounding (VRSD 3.5.3.2.1d)
Requirement Statement: ACIS shall provide two ground lugs; one for primary and one for redundant fault current return.	
Verification Method:	INSPECTION OF HARDWARE
Procedure Number:	N/A
Configuration:	FLIGHT DEA/DPA
Cycle Time:	
<b>Verification Discussion/Results:</b>  <p>THIS ICD REQUIREMENT IS IN CONFLICT WITH TRW DRG. 301475 IN APPENDIX G OF THE SAME ICD. IN THE (MECHANICAL INTERFACE) DRAWING ACIS IS REQUIRED TO PROVIDE 4 10-32 UNF TAPPED HOLES FOR GROUND ATTACHMENT USE. WE BUILT THE HARDWARE PER THE MECHANICAL INTERFACE DWG.</p>	

  
 ACIS Cognizant Engineer

5/28/97  
 Date