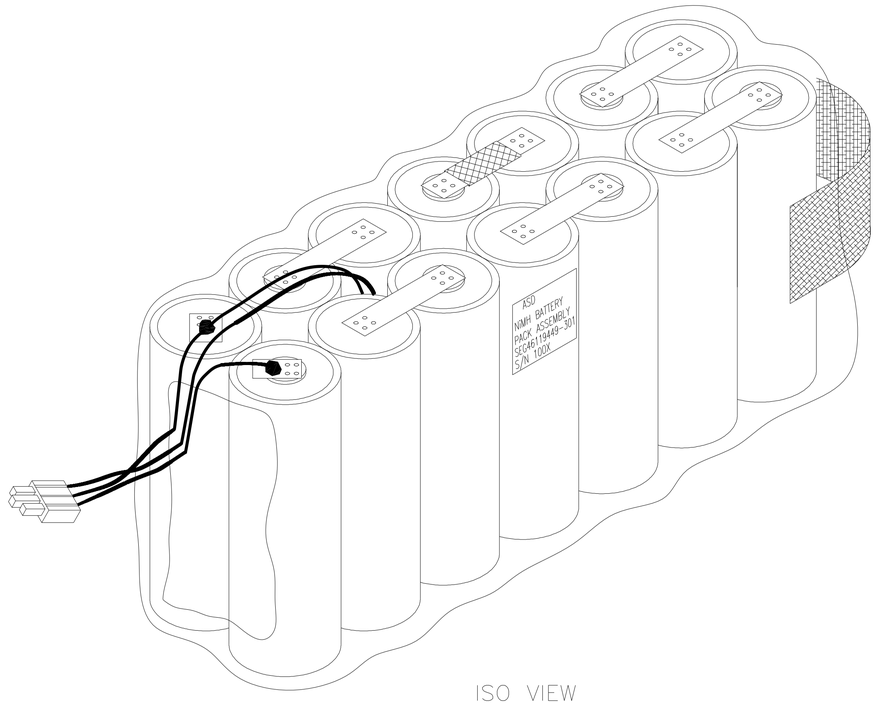
LTR	ZONE	REVISION



ISO VIEW
FOR REFERENCE ONLY
(PIGMAT NOT SHOWN FOR CLARITY)

AR	M23053/8-004-C	TUBING, SHRINK	VITON .125 DIA	MIL-DTL-23053/8	11
3	39-00-0086	CONTACTS, SOCKETS		2	10
2	-002	PIGMAT		13	9
AR	TYPE C	TEFLON TAPE		11	8
1	-001	NOMEX STRAP		6	7
AR	63/37-015P3REL151	SOLDER		14	6
AR	HYSOL608	EPOXY		4	5
1	69898517	NiMH BATTERY PACK		5 12	4
1	WRCM-717-637W	LABEL		3	3
AR	M22759/11-22-9	WIRE, 22 AWG		MIL-W-22759/11	2
1	17801	CONNECTOR		2	1
-301	ASD NiMH BATTERY PACK ASSEMBLY				
-301 PART NUMBER	DESCRIPTION		MATERIAL	SPECIFICATION	ITEM

15 PER DETAIL B, SLIDE TUBING (ITEM 11) OVER THERMISTOR LEADS AS FAR POSSIBLE. APPLY TUBING WITH AN OVERLAP OF APPROXIMATELY .12 INCHES AS SHOWN.

14 ALPHA METALS, JERSEY CITY, NJ.

13 MAKE FROM PN MAT301 SUPPLIED BY NEWPIG, TIPTON, PA..

12 SARTORIUS, GOETTINGEN, GERMANY

7. LABEL WILL BE USED FOR MARKING AND SHALL MEET THE DECAL REQUIREMENTS OF NASA/JSC PRC-9002.
6. SERIAL NUMBER TO BE ASSIGNED AND CERTIFIED BY NASA/JSC ENGINEERING DRAWING CONTROL CENTER (EDCC).
5. THIS ASSEMBLY DOES NOT CONTAIN FRACTURE CRITICAL PARTS.
4. BAG AND TAG TO IDENTIFY PART NUMBER PER NASA/JSC PRC-9002.
3. ALL DIMENSION ARE IN INCHES.
2. CLEAN TO LEVEL GC PER NASA/JSC PRC-5001; WIPE CLEAN ALL SURFACES.
1. INTERPRET DRAWING PER NASA/JSC JPG 8500.4, ENGINEERING DRAWING SYSTEM MANUAL.

NOTES: UNLESS OTHERWISE SPECIFIED

11 FURON INDUSTRIES, NEW HAVEN, CT.

10 TO AVOID FRAYING, USE HOT KNIFE TO CUT ENDS OF THE NOMEX WEBBING.

9 SOLDER PER NASA/JSC PRC-7001, USING SOLDER (ITEM 6).

8 WIRE THE BATTERY PACK USING WIRE (ITEM 2), PER THE SCHEMATIC DIAGRAM.

7 APPLY NOMEX WEBBING (ITEM 7) AS SHOWN, USING EPOXY (ITEM 5), PER MANUFACTURER'S INSTRUCTIONS.

6 STRAP TO BE MADE FROM NOMEX WEBBING, PN 9650 PER BALLY RIBBON MILLS, BALLY. PA.

5 REMOVE EXISTING WIRES AND CONNECTOR, REPLACE THEM WITH WIRE (ITEM 2) AND CONNECTOR (ITEM 1).

4 LOCTITE, BAYPORT, CA.

3 BRADY USA, MILWAUKEE, WI.

2 MOLEX, LISLE, IL.

1 TYPE LABEL (ITEM 3) AS SHOWN USING BRADY MARKER PRINTER AND ROLL FILM. TRIM TO FIT AND APPLY TEFLON TAPE (ITEM 8) OVER FRONT FACE OF THE LABEL TO COVER TEXT. APPLY TO BATTERY PACK APPROXIMATELY AS SHOWN, PER NASA/JSC PRC-9002.

FLAG NOTES:

UNLESS NOTED OTHERWISE DIM ARE IN INCHES, TOL. ARE
.0 ±.1 .000 ±.005
.00 ±.02 ANGULAR ±.5°
SURFACE FINISH IN MICROINCHES RMS UNLESS NOTED OTHERWISE ✓

FRACTURE CRITICAL ☐ YES ☒ NO

NEXT ASSY SEG46119448

EQUIPMENT TYPE
☒ FLT HDWR ☐ APPLICABLE GSE
☐ OTHER (SPECIFY) _____

SIGNATURES		DATE
DR	M G ANDERSON	03/09/05
ENG	D. NGUYEN	03/09/05
CH	J DUVALL	03/09/05
APP	L. BAUER	09/15/03
QE	M. IWASA	09/22/03
MAT'L	H. KAO	09/16/03
STRESS	H. LO	09/30/03
AUTH		
FINAL APP		9/30/03

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS

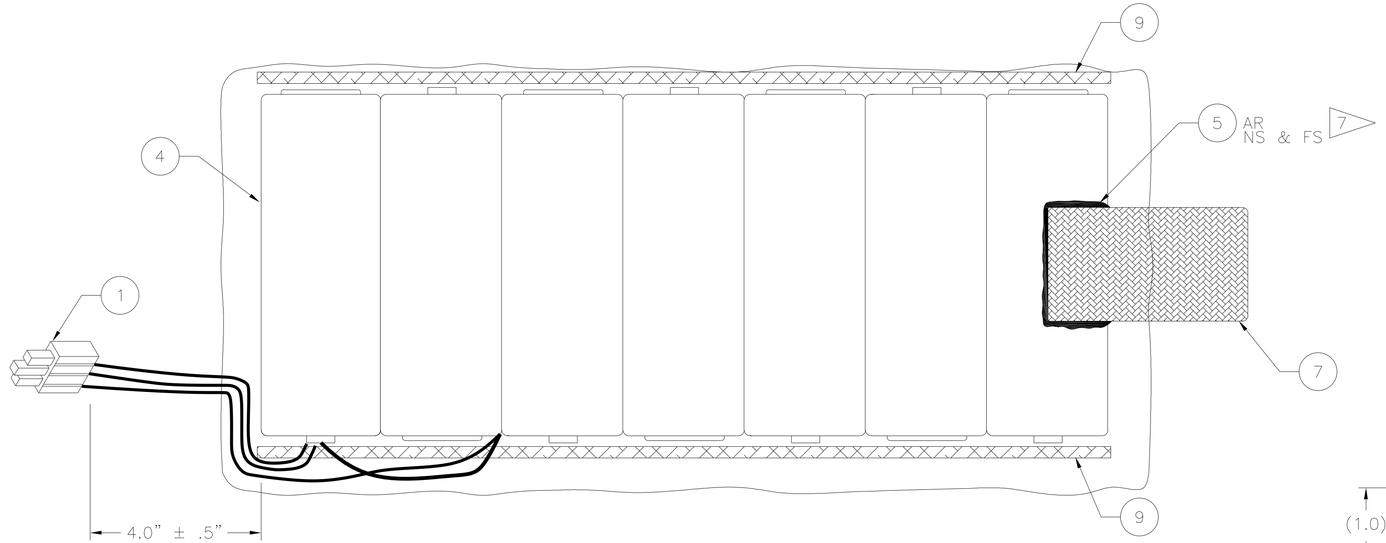
ASD NiMH BATTERY PACK ASSEMBLY

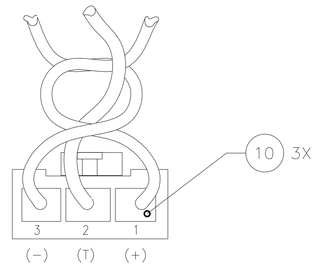
PROJECT E049 SWAB EXPERIMENT

SIZE D | CAGE CODE 21356 | DWG NO SEG46119449 | REV NC

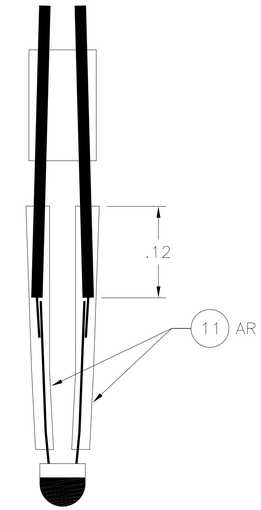
SCALE NONE | ORG EB4 | FMT A01OCT02 | SHEET 1 OF 2

STATUS: Check for DCNs against the drawing.



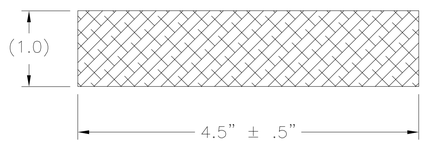


VIEW A–A



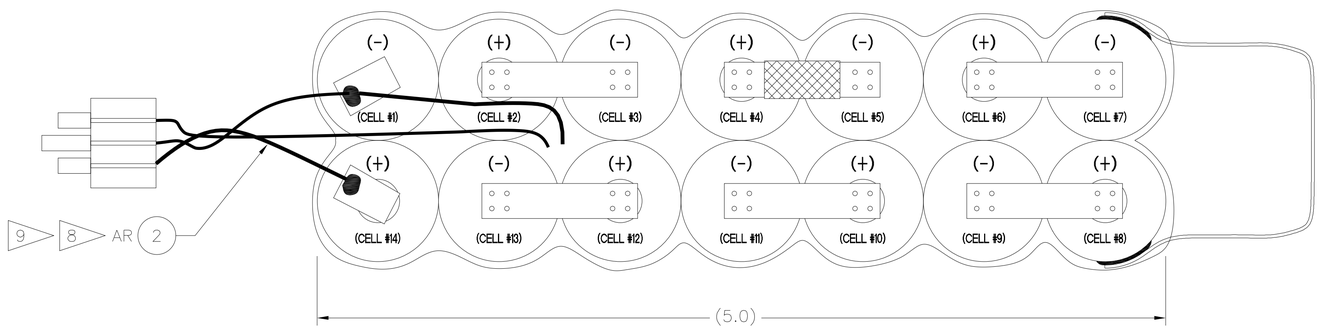
DETAIL 'B'

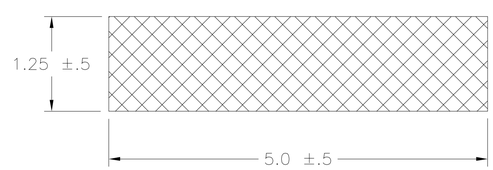
15



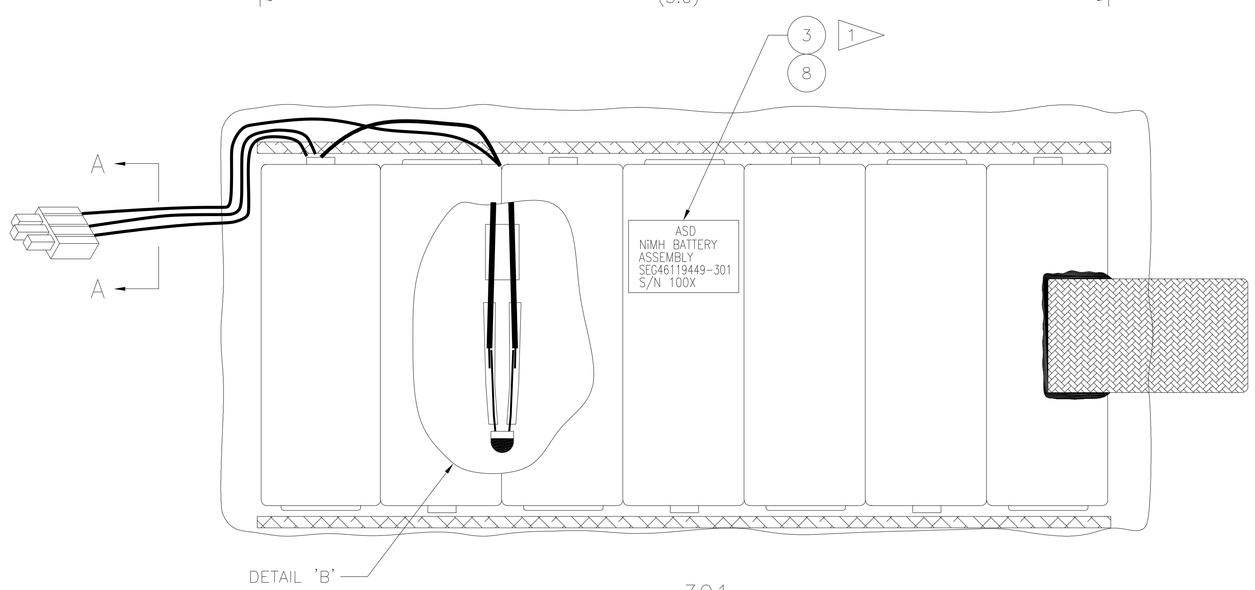
–001

10



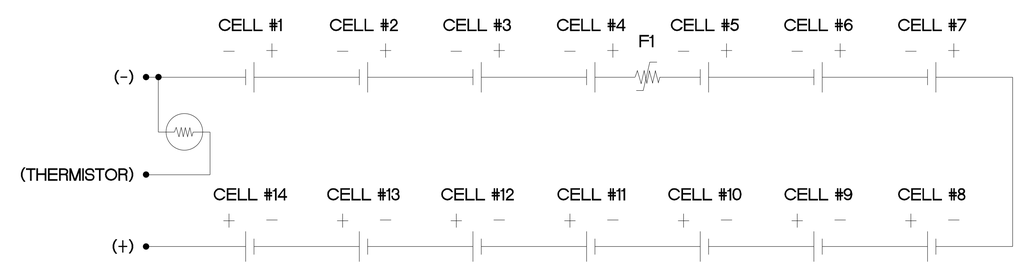


–002



–301

(PIGMAT NOT SHOWN IN TOP VIEW FOR DWG CLARITY)



–301

SCHEMATIC DIAGRAM

PROJECT E049 SWAB EXPERIMENT			
SIZE D	CAGE CODE 21356	DWG NO SEG46119449	REV NC
SCALE NONE	ORG EB4	FMT A01OCT02	SHEET 2 OF 2