[redacted]

UNCLASSIFIED

APR 20 1961

File No: P-6
T-No. 16743
Project No: 13.858.00

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW

1st Review Date: 10/15/98	Determination (Circle Numbers):
Authority: ADC ADD	1. Classification Retained
Name: R Brauer	2. Classification Changed to: U
2nd Review Date: 10/26/98	3. Contains No DOE Classified Information
Authority: ADD	4. Coordinate With:
Name: W Layne	5. Contains UCAI? NO
	6. Comments: OK for Openet

TCG-NNT-1

To: DISTRIBUTION

Re: Explosive Test of Chute Compartment Separation Samples

Object of Test

The object of this test was to proof fire configerations for explosive separation of the parachute container of this program using aluminum sample plates.

RECEIVED
APR 21 1961
CENTRAL RECORD FILE

Reason

This test was requested in a Work Order Authorization to Mr. A. W. Reger, 7322, from Mr. E. I. Bruce, 7117, dated December 4, 1959.

Procedure & Results

A total of four samples were tested at the Small Explosive Site in Area III using 20 grain per foot MDF. No instrumentation was required. The configurations of the samples tested are shown in Figure 1. All samples were fabricated from MTL-7075-T6 aluminum alloy.

Test sample number one did not separate as expected. The results of test number one are shown in Figure 2.

Test sample number two did not separate as expected. The results of test number two are shown in Figure 3.

Test sample number three separated successfully and is shown in Figure 4. Test sample number four separated successfully and is shown in Figure 5.

CENTRAL RECORD FILE
ACCOUNTABLE
CARD
FILE No P-6

L. Hitchcock
L. HITCHCOCK - 7323-1

Bill Johnson
7321 Project Engineer: B. JOHNSON - 7321-5

R. S. HOOPER - 7321-5

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW
DOWNGRADING OR DECLASSIFICATION STAMP

CLASSIFICATION CHANGED TO: U	AUTHORITY: WC Layne
Carmela Dallyo 10/26/98	RECORD ID: 99SN0198
PERSON CHANGING MARKING & DATE: WC Layne 10/28/98	
PERSON VERIFYING MARKING & DATE	DATED: 10/26/98

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16743

To: Distribution [redacted] - 2 - T-16743

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Copy to:
E. I. Bruce, 7117
Attn: B.S. Hill
J. M. Wiason, 1442
E. H. Copeland, 7321
D. S. Dreeson, 7522
R. K. Smeltzer, 3421-3

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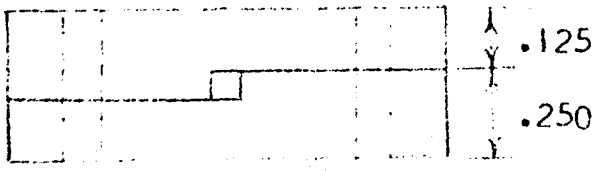
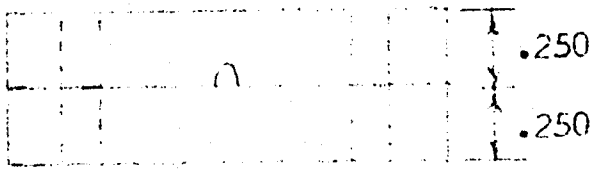
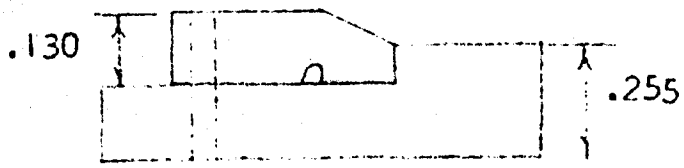


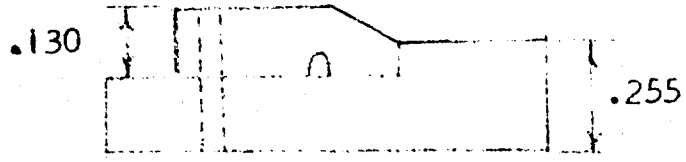
TEST SAMPLE 1



TEST SAMPLE 2



TEST SAMPLE 3



TEST SAMPLE 4

FIGURE 1 - CONFIGURATIONS OF TEST SAMPLES -- EXPLOSIVE TEST OF CHUTE COMPARTMENT SEPARATION SAMPLES

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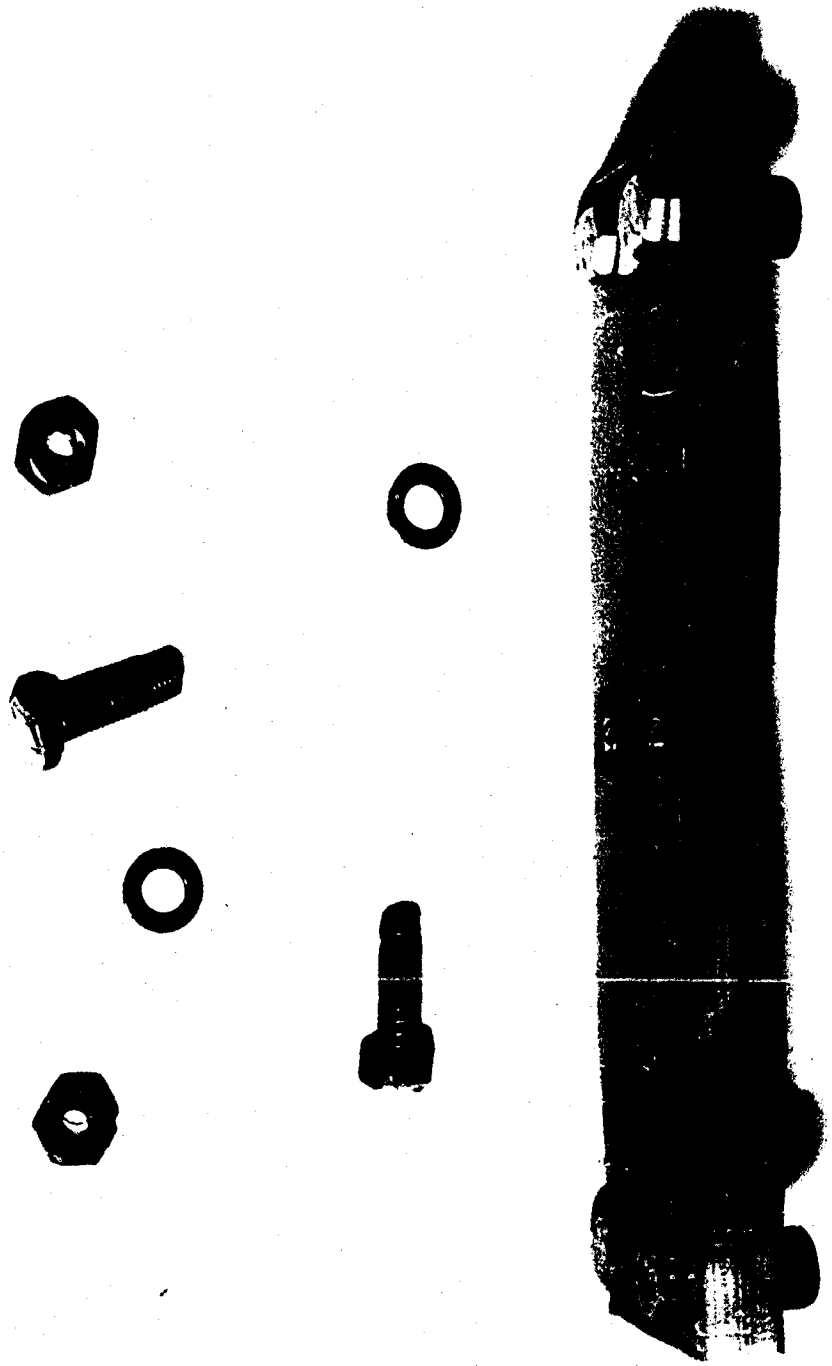

FIGURE 2 - RESULTS OF TEST SAMPLE NO. 1 -- EXPLOSIVE TEST OF CHUTE COMPARTMENT SEPARATION SAMPLES

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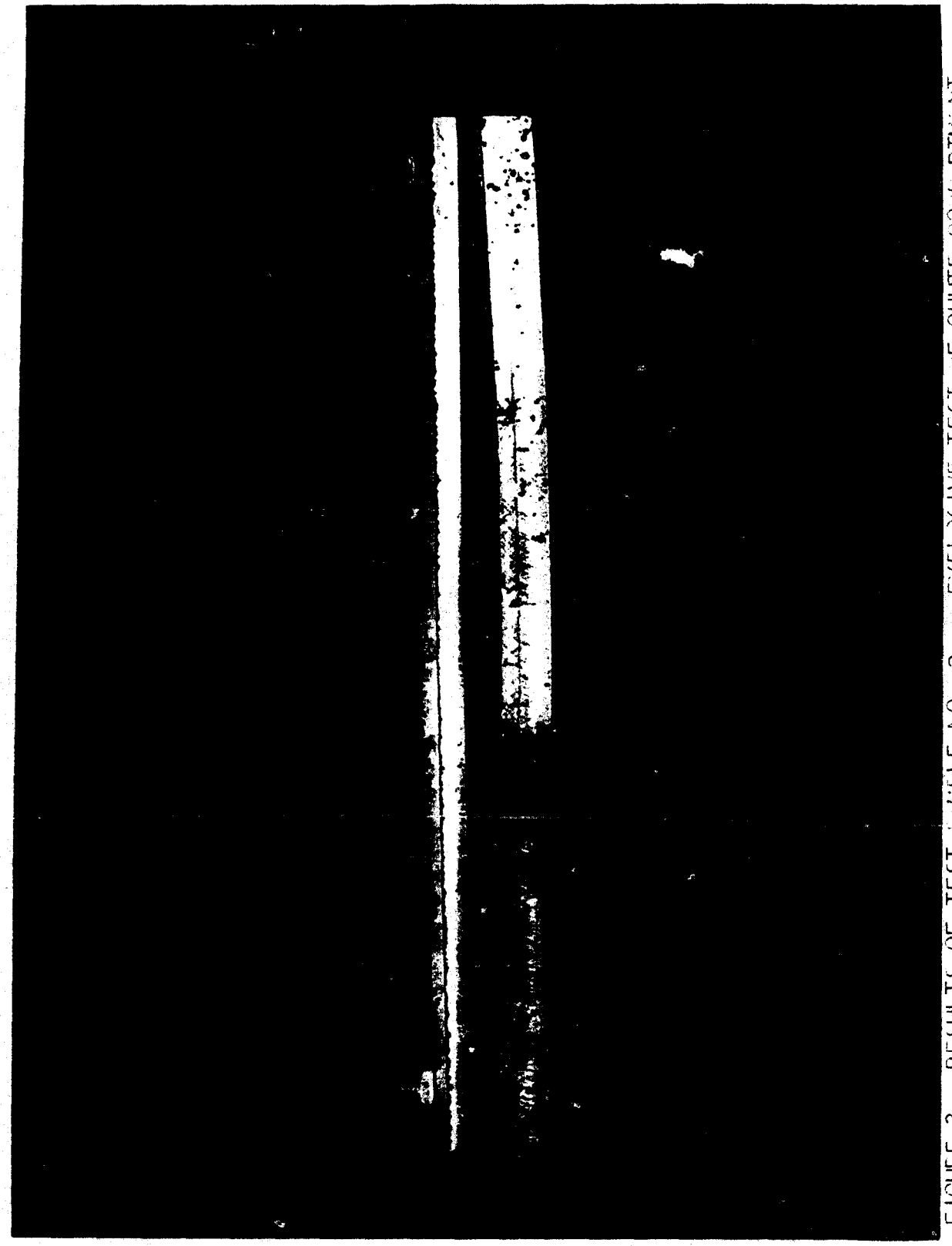

FIGURE 3 - RESULTS OF TEST SAMPLE NO. 2 -- EXPLOSIVE TEST OF CHUTE COMPARTMENT SEPARATION SAMPLES

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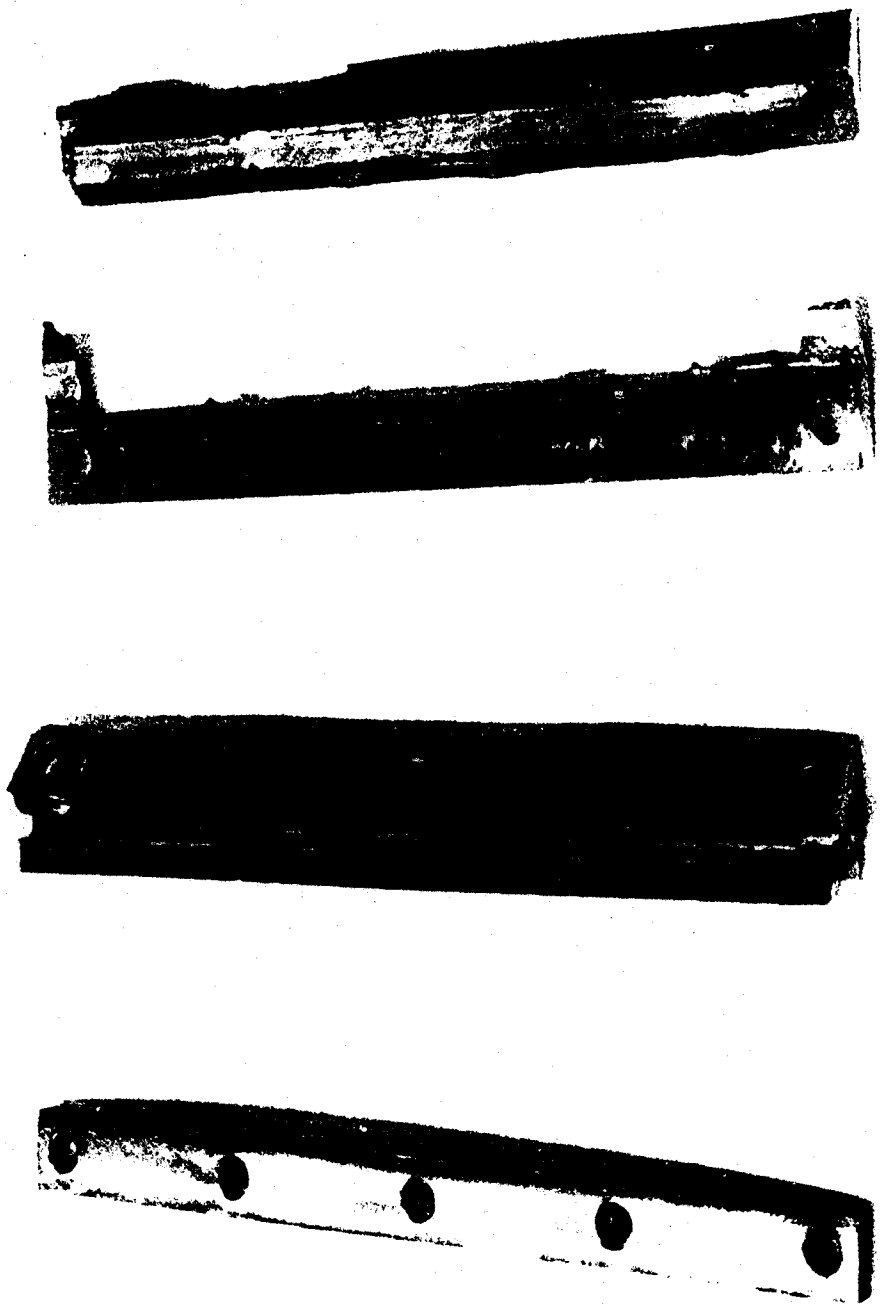

FIGURE 4 - RESULTS OF TEST SAMPLE NO. 3 -- EXPLOSIVE TEST OF CHUTE CARTRIDGE
SEPARATION SAMPLES

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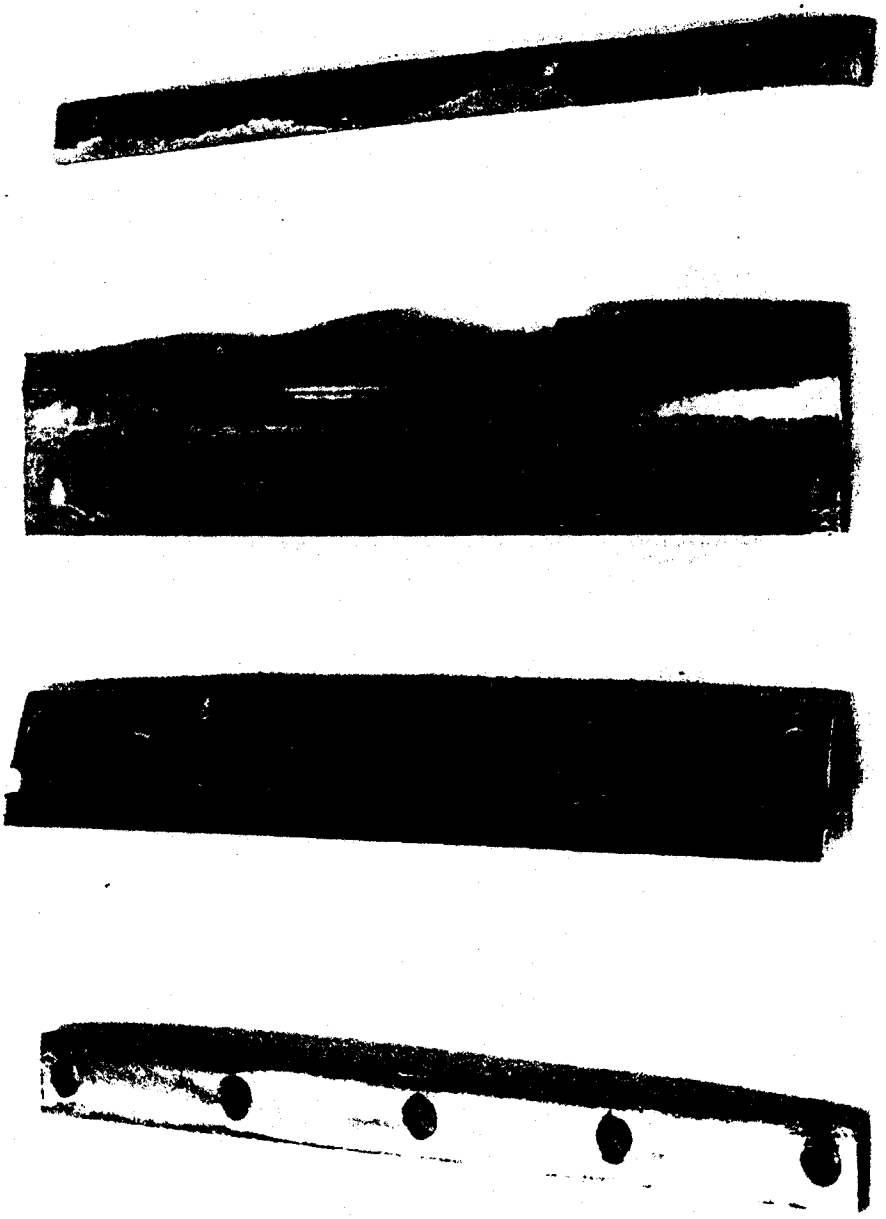

FIGURE 5 - RESULTS OF TEST SAMPLE NO. 4 -- EXPLOSIVE TEST OF CHUTE COMPARTMENT SEPARATION SAMPLES

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D#1-5386

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