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Restricted

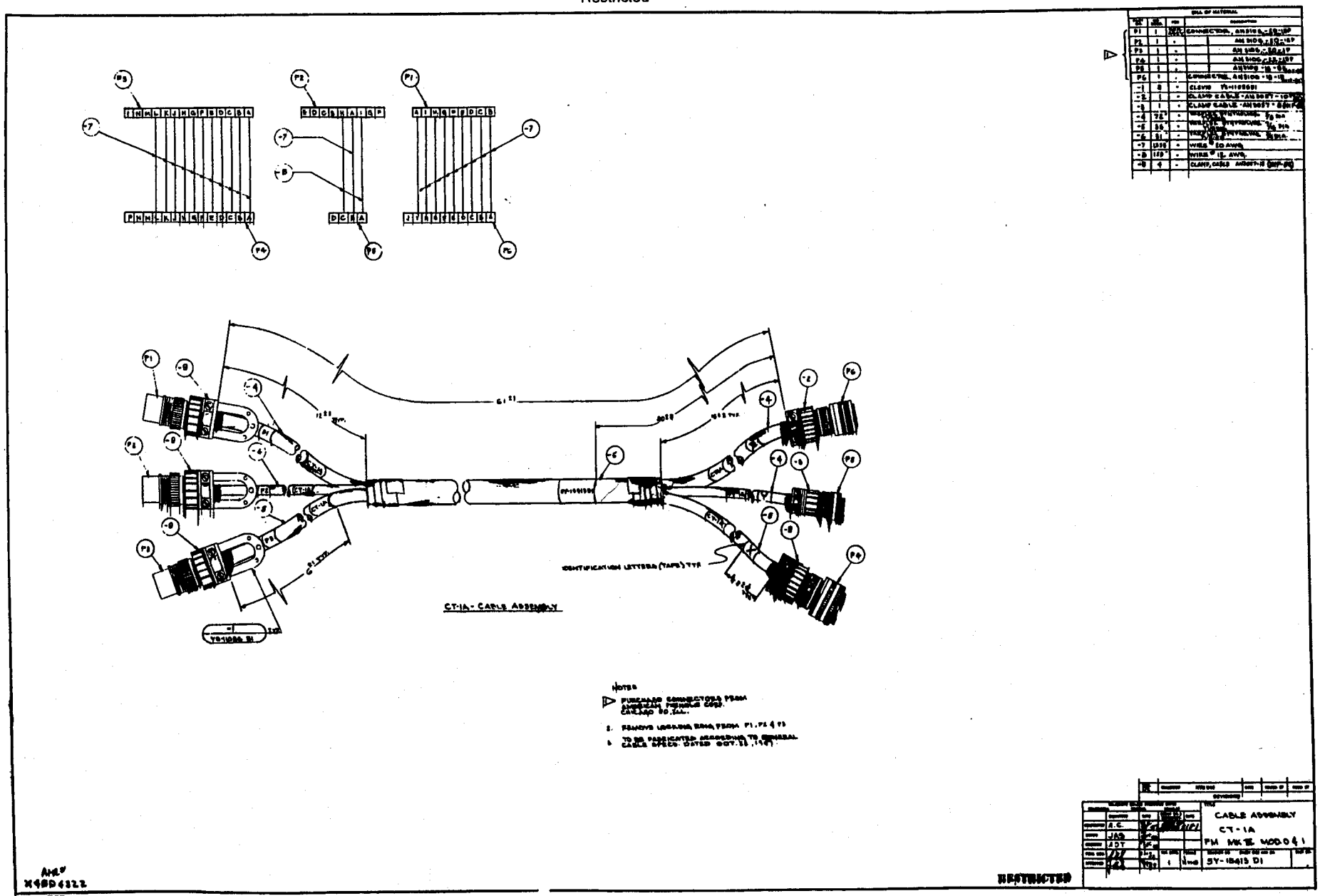

Figure 10

~~NATIONAL SECURITY INFORMATION~~
~~Unauthorized Disclosure Subject to Criminal Sanctions.~~

[redacted]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/2/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dr	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenig	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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[redacted]

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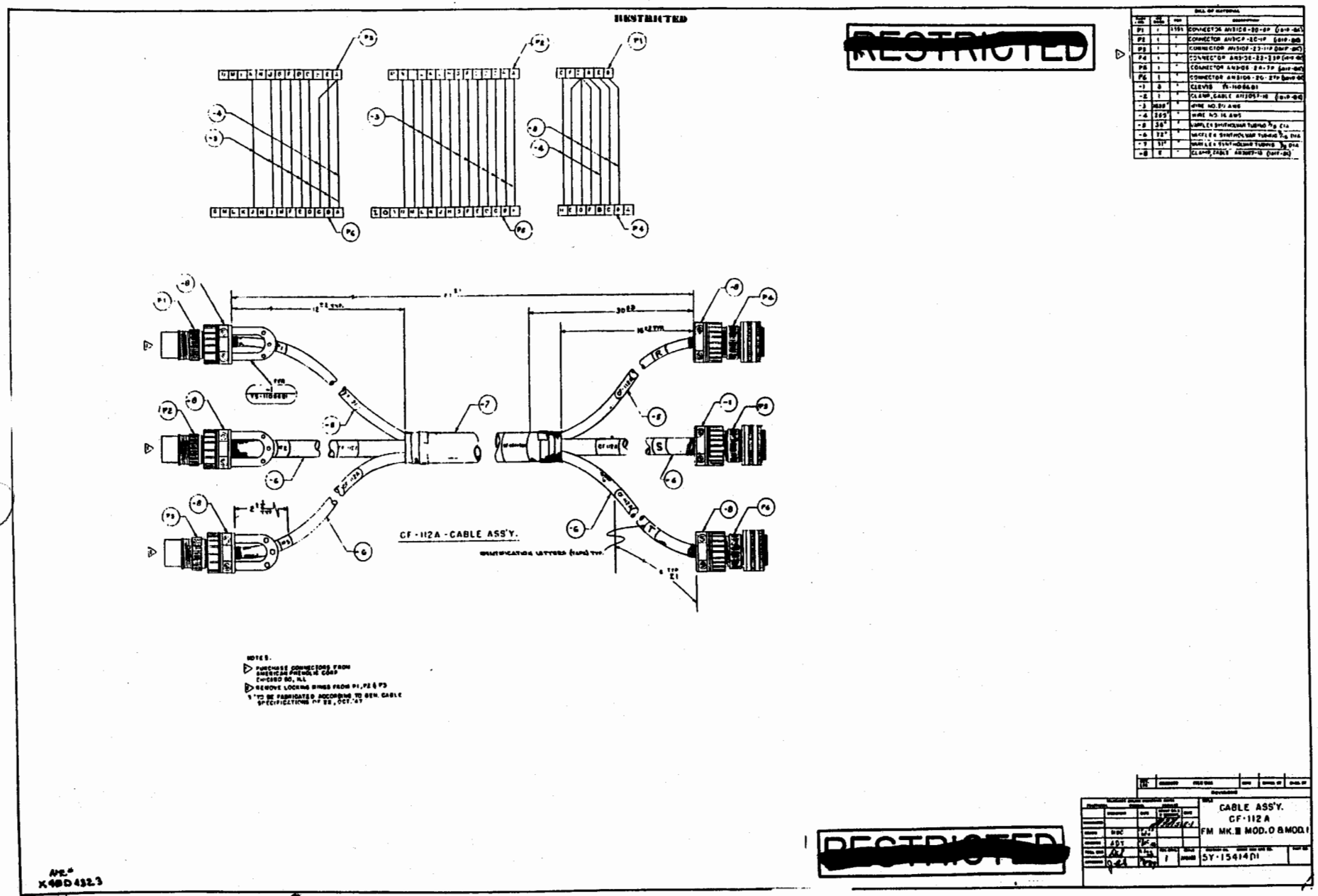

[redacted]

NATIONAL SECURITY INFORMATION
Unauthorized Disclosure Subject to Criminal Sanctions.

Figure 11

[redacted]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 9/2/99
AUTHORITY: ☐AOC ☒ADC ☐ADD
NAME: W. Byron D
2ND REVIEW-DATE: 11/22/99
AUTHORITY: ADD
NAME: Jim Greenwood

DETERMINATION [CIRCLE NUMBER(S)]
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO: ____
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH: ____
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY): ____

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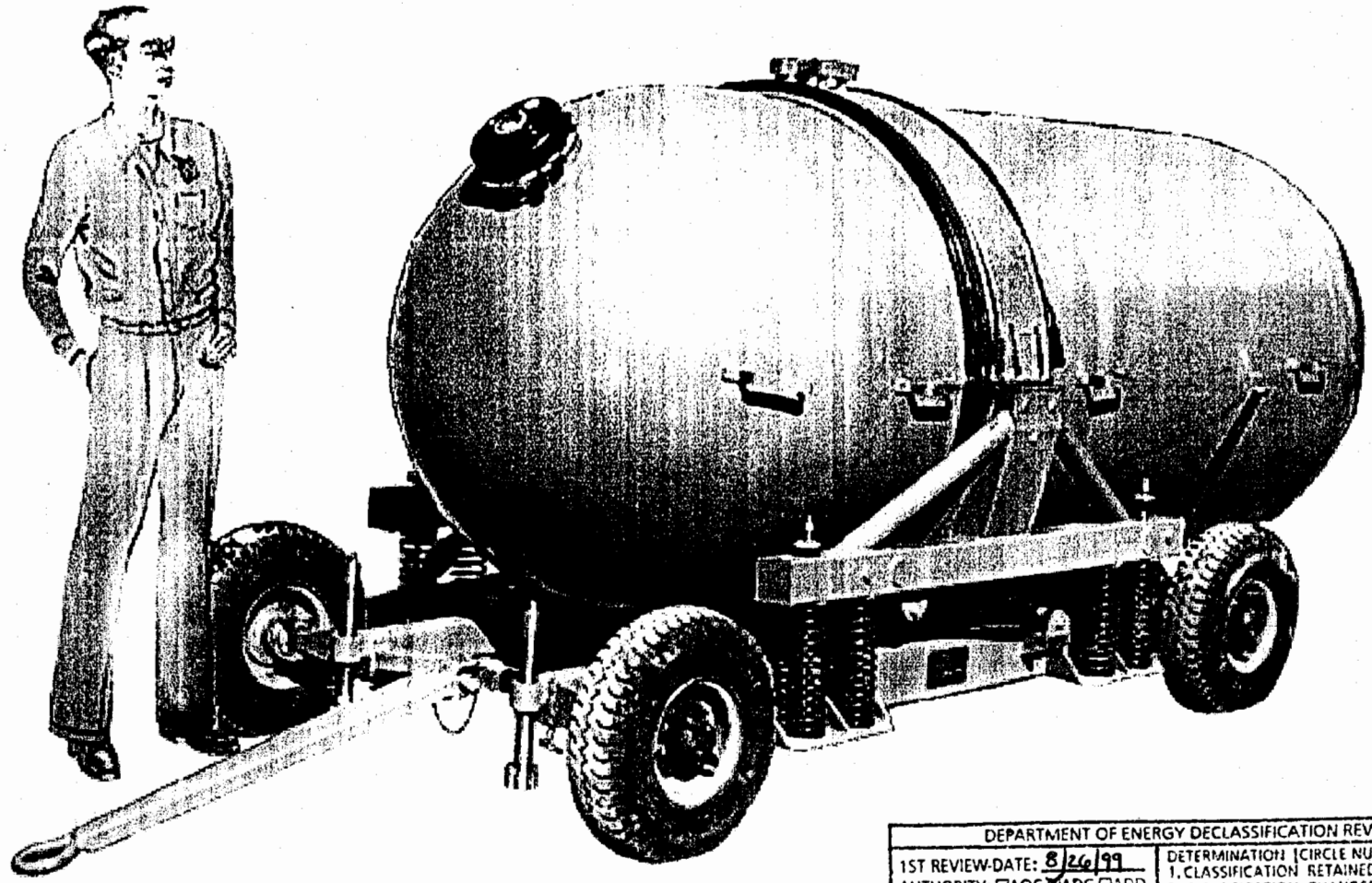

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/26/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dai	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

~~NATIONAL SECURITY INFORMATION~~

~~Unauthorized Disclosure Subject to Administrative and Criminal Sanctions~~

~~Official Use Only~~ H-46 Roadable for MK5 Weapon

~~CONFIDENTIAL~~

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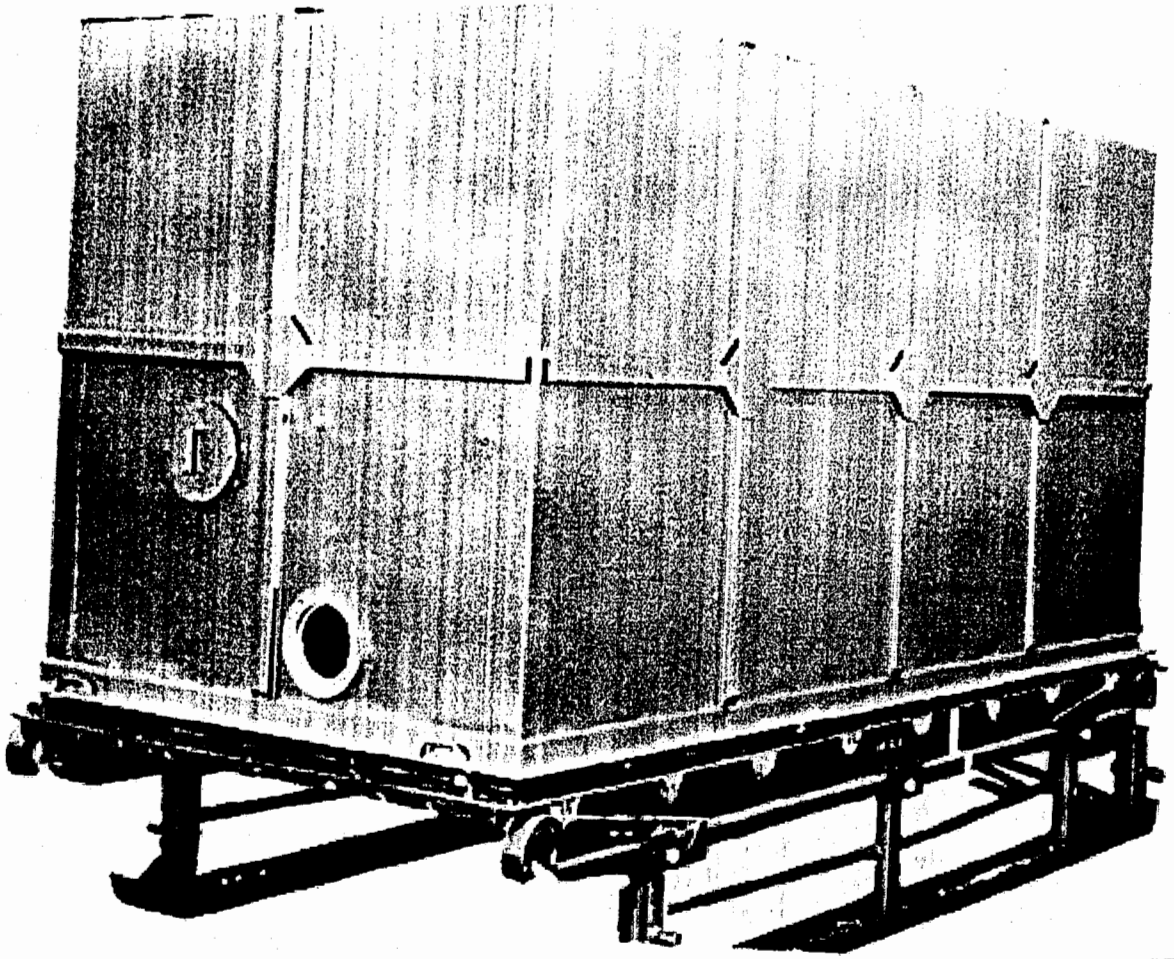

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/26/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dai	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenig	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

~~NATIONAL SECURITY INFORMATION~~

~~Unauthorized Disclosure Subject to Administrative and Criminal Sanctions.~~

~~Official Use Only~~ Special Beta Crate w/Security Cover

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 7/1/99 AUTHORITY: ☐AOC ☒ADC ☐ADD NAME: W. Bryan Dr 2ND REVIEW-DATE: 11/22/99 AUTHORITY: ADD NAME: Jim Greenfield	DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: ____ 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: ____ 5. CLASSIFICATION CANCELLED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY): ____

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SC 5735-E (12-54)

SANDIA CORPORATION
QUALITY ASSURANCE INSPECTION PROCEDURE

MK 12 MOD O

B 12-0
F 12-0
FS 3-0
NX-300001

SAMPLING RATE	DEFECT CLASSIFICATION	ACCEPTANCE-REJECTION CRITERIA	QUALITY REFERENCE LEVELS	APPROVALS
Per Sampling Tables of QAP - 5.0 Normal -Table 4 Reduced -Table 5 Tightened -Table 3	General - Per QAP-7.0	QAP-5.0 "Acceptance Sampling Procedures	New Production: U_s = 1.8 C_s = 46.6 Reinspection: U_s = 1.4 C_s = 35.8	Sandia AEC

Item	Inspection Items	NP	RI	AEC	Instructions	Record Meas. (M)	Tool or Equipment Used
1.	Pressure Check	*			SC-2794(CP)		Manometer and pressure source
2.	Packaging	*			SC-2794(CP)		Visual
3.	Contents present	*			Dwgs. 122084 (B in H-249), 120604 (H-249), & 340020 (MC-268 in H-195)		Visual
4.	Proper assembly and interchangeability				Dwgs 103544 (MC-264), 122084 (B in H-249), 103551 (MC-268), and 120413 (system diagram) TP-B12-10		Visual
		*	*	*	a. Check for items such as components and cables properly attached, possible damage, and corrosion.		
		*	*	*	b. At all field breaks check for skin gap and step - .030 inch maximum tolerance.		Feeler gauge
		*	*	*	c. Inspect for proper installation and operation of the access doors. Check for the proper mounting of the remote setting device.		
		*	*	*	d. Inspect hinged nose sections for proper operation, fit, and alignment. Remove cable clamp and disconnect CC-808. Inspect cable for possible damage.		
		*	*	*	e. Make station break 35.625 and inspect for proper fit, alignment, and condition of the gasket and mounting hardware.		

Revised 12/17/54 (C)
Page 1 of 3
B 12-0, F 12-0, FS 3-0

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
ST REVIEW-DATE: 8/24/11	DETERMINATION [CIRCLE NUMBER(S)]
UTHORITY: ☐ADC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
AME: W. Bruce Diamond	2. CLASSIFICATION CHANGED TO: ____
ND REVIEW-DATE: 11/22/94	3. CONTAINS NO DOE CLASSIFIED INFO
UTHORITY: ADD	4. COORDINATE WITH: ____
AME: Jim Hewitt	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): NATIONAL SECURITY

Unaut[redacted] Disclosure [redacted] to Administrative [redacted] Criminal Sanctions

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Convoy w/ Units

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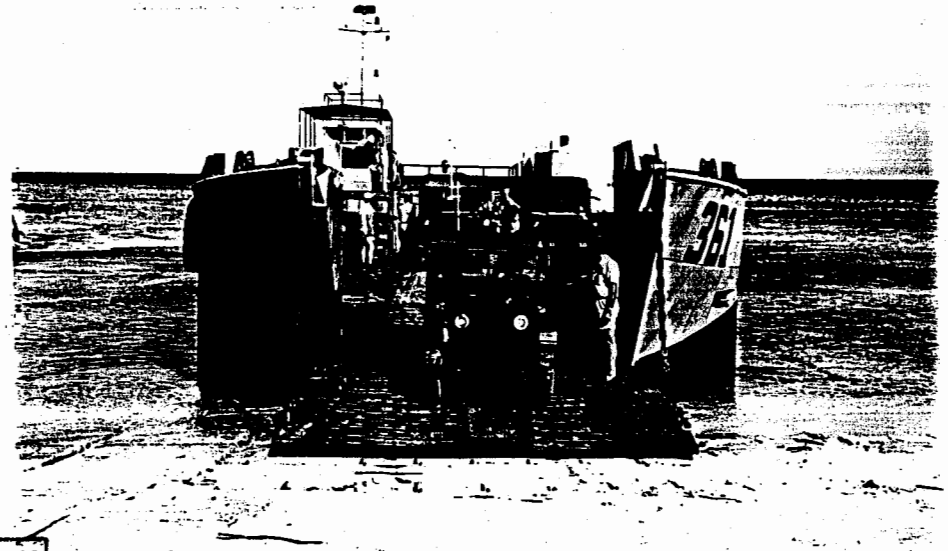

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/26/99 AUTHORITY: ☐ADC ☒ADC ☐ADD NAME: W. Byron Brim 2ND REVIEW-DATE: 11/22/99 AUTHORITY: ADD NAME: Jim Greenwood	DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: ____ 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: ____ (5) CLASSIFICATION CANCELLED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY): ____

D65-4763, 069204
Cherokee Convoy. O-1
Loading Barge @ Site Elmer

NATIONAL SECURITY INFORMATION

Unauthorized disclosure subject to Administrative and Criminal Sanctions

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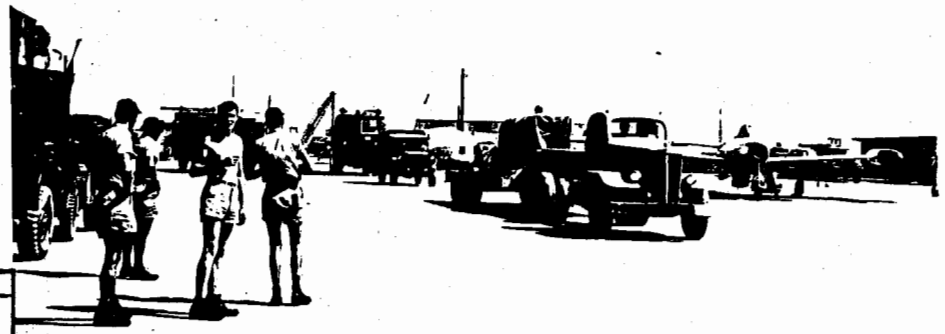

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 8/26/99
AUTHORITY: ☐OC ☐ADC ☐ADD
NAME: W. Bryan Dorr
2ND REVIEW-DATE: 11/22/99
AUTHORITY: ADD
NAME: Jim Sheeny

DETERMINATION (CIRCLE NUMBER(S))
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO: ____
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH: ____
(5.) CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY): ____

D-69211, D654763
Cherokee convoy, arriving airstrip @ Site Fred, D-1

NATIONAL SECURITY INFORMATION

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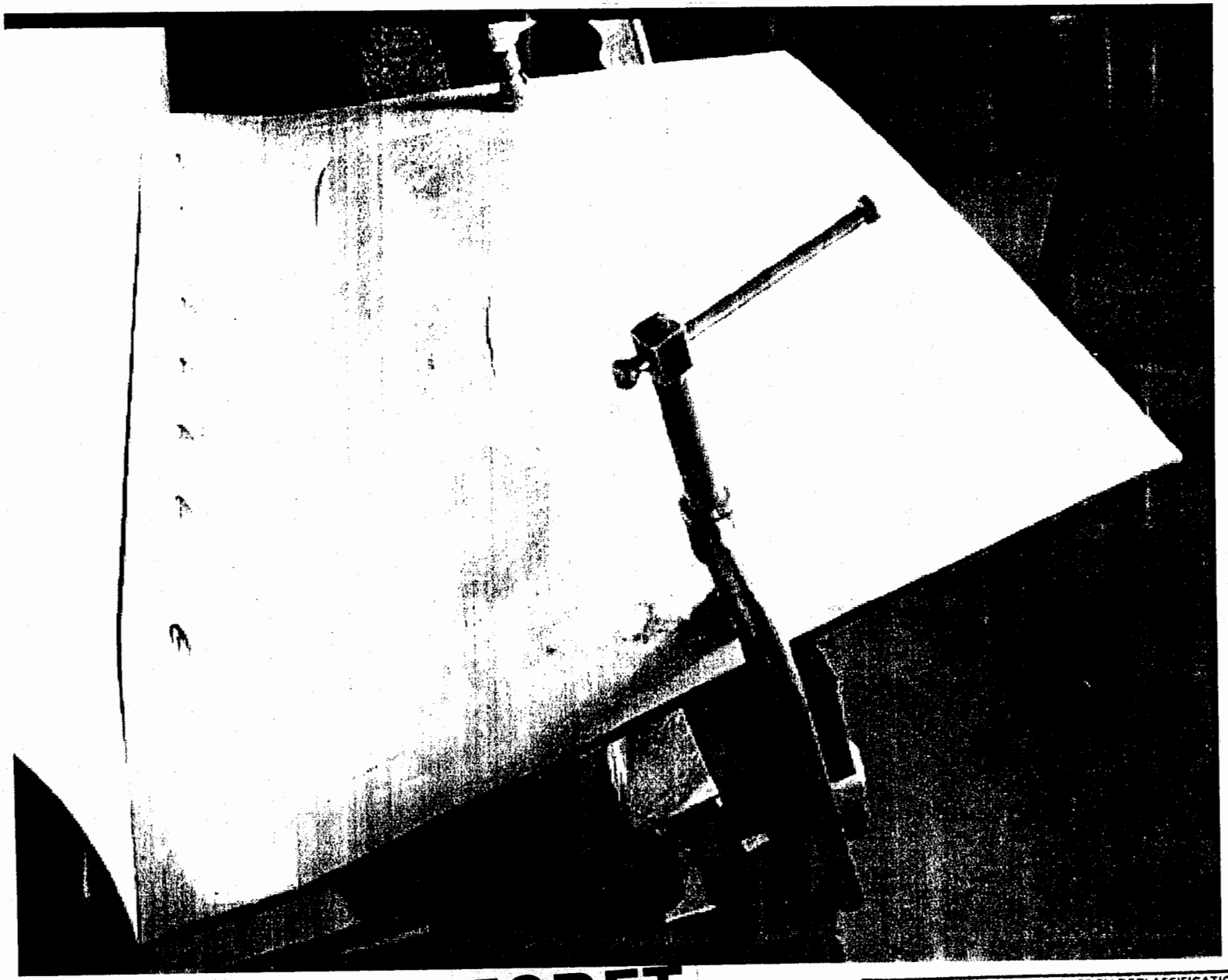

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~~SHD~~ MK–4 Foil Fin~~r~~ (Strain test on cone, right view.)

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/30/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron [illegible]	2. CLASSIFICATION CHANGED TO: ____
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: ____
NAME: [illegible]	(5) CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
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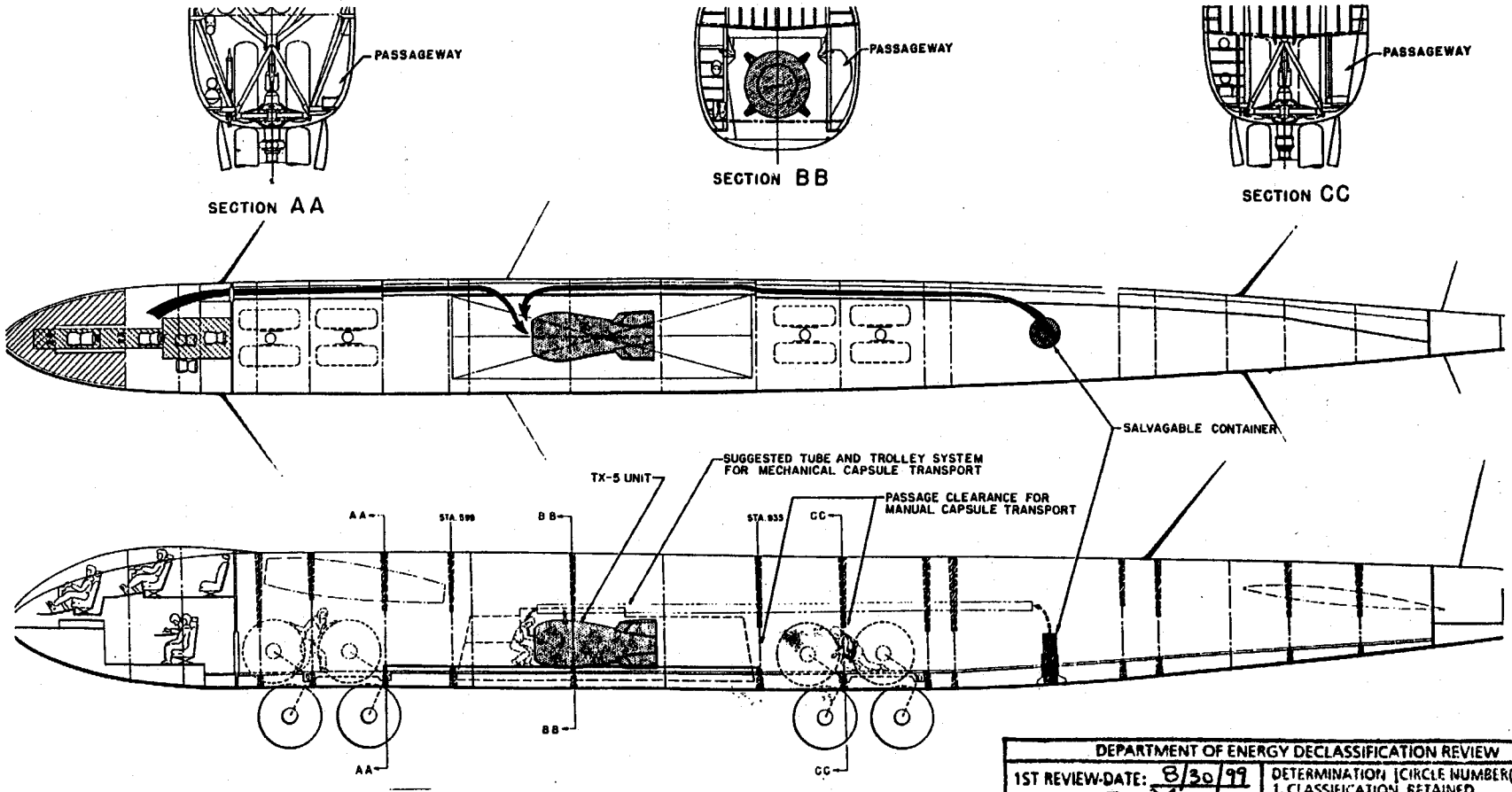

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/30/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	~~3. CONTAINS NO DOE CLASSIFIED INFO~~ WED
AUTHORITY: ADD	~~4. COORDINATE WITH: DOD USAF~~
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): PER AF MEMO. ~~[illegible]~~

DATED 4/18/00

Fig. 14. - Tentative capsule carriage requirement, Air Force XB-52

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SANDIA CORPORATION QUALITY ASSURANCE DEPARTMENT - 1510

EXAMINATION OF MK-4 MOD 2 FUZE

F 1 of 4	X-UNIT	CHOKES	(2)
		FIRING SWITCHES	(2)
		CONDENSERS	(16)
		PULSE TRANSFORMERS	(2)
		GAPS	(2)
	CARTRIDGE	ARCHIES	(4)
		CARTON - GATE FORMING LINE	(1)
		BARO SWITCHES	(6)
		CLOCKS	(8)
		JUNCTION BOX	(1)
		BATTERY CASE	(1)
		BOX - FUZE SPARES	(1)
		CARTRIDGE STRUCTURE	(1)
	AX CONTAINER		(1)
F 2 of 4	BATTERIES		(4)
F 3 of 4	ELECTROLYTE		(12 pts.)
F 4 of 4	MC-4 DELAY TIMER		(2)

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 9/1/99
AUTHORITY: ☐ AOC ☒ ADC ☐ ADD
NAME: W. Byron
2ND REVIEW-DATE: 11/22/99
AUTHORITY: ADD
NAME: [signature]

DETERMINATION [CIRCLE NUMBER(S)]
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH:
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):

~~RESTRICTED DATA~~

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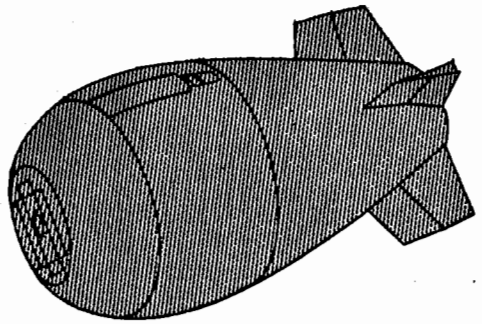
WEIGHT COMPARISON



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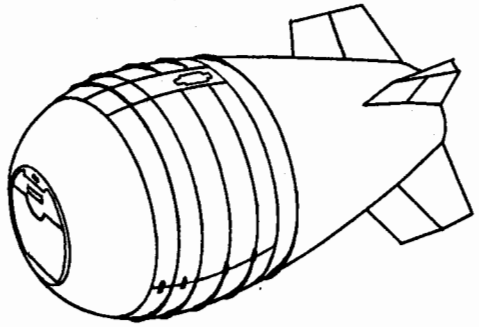

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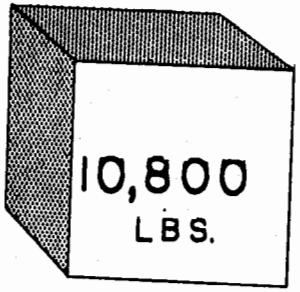

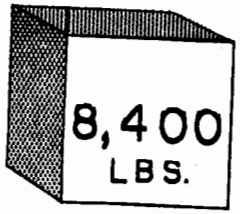

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/30/99 AUTHORITY: ☐AOC ☒ADC ☐ADD NAME: W. Byron D. 2ND REVIEW-DATE: 11/22/99 AUTHORITY: ADD NAME: Jim Greenz	DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: ____ 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: ____ 5. CLASSIFICATION CANCELLED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY): ____

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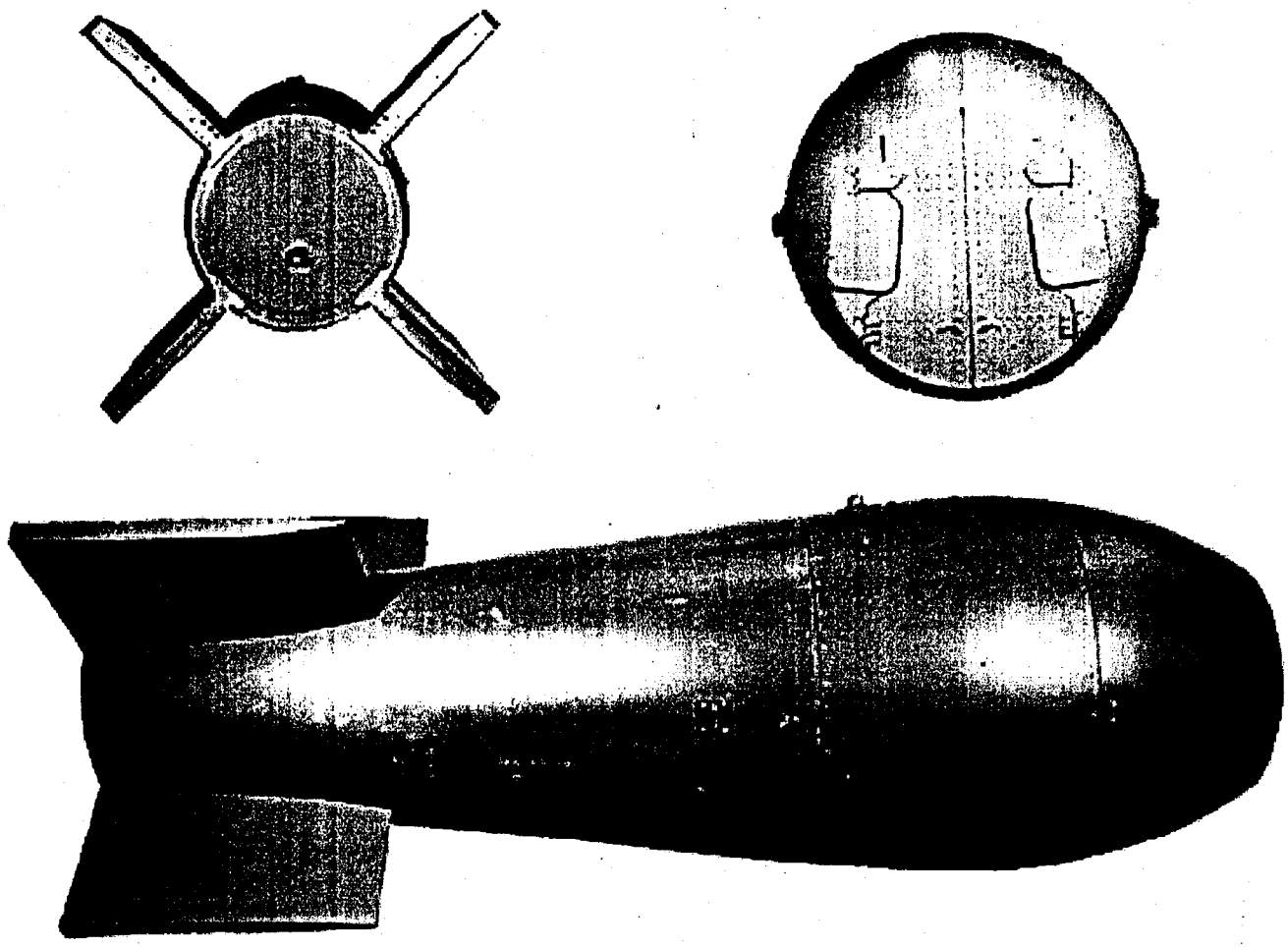

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[redacted] MK-5 Front, Side & Rear View

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/30/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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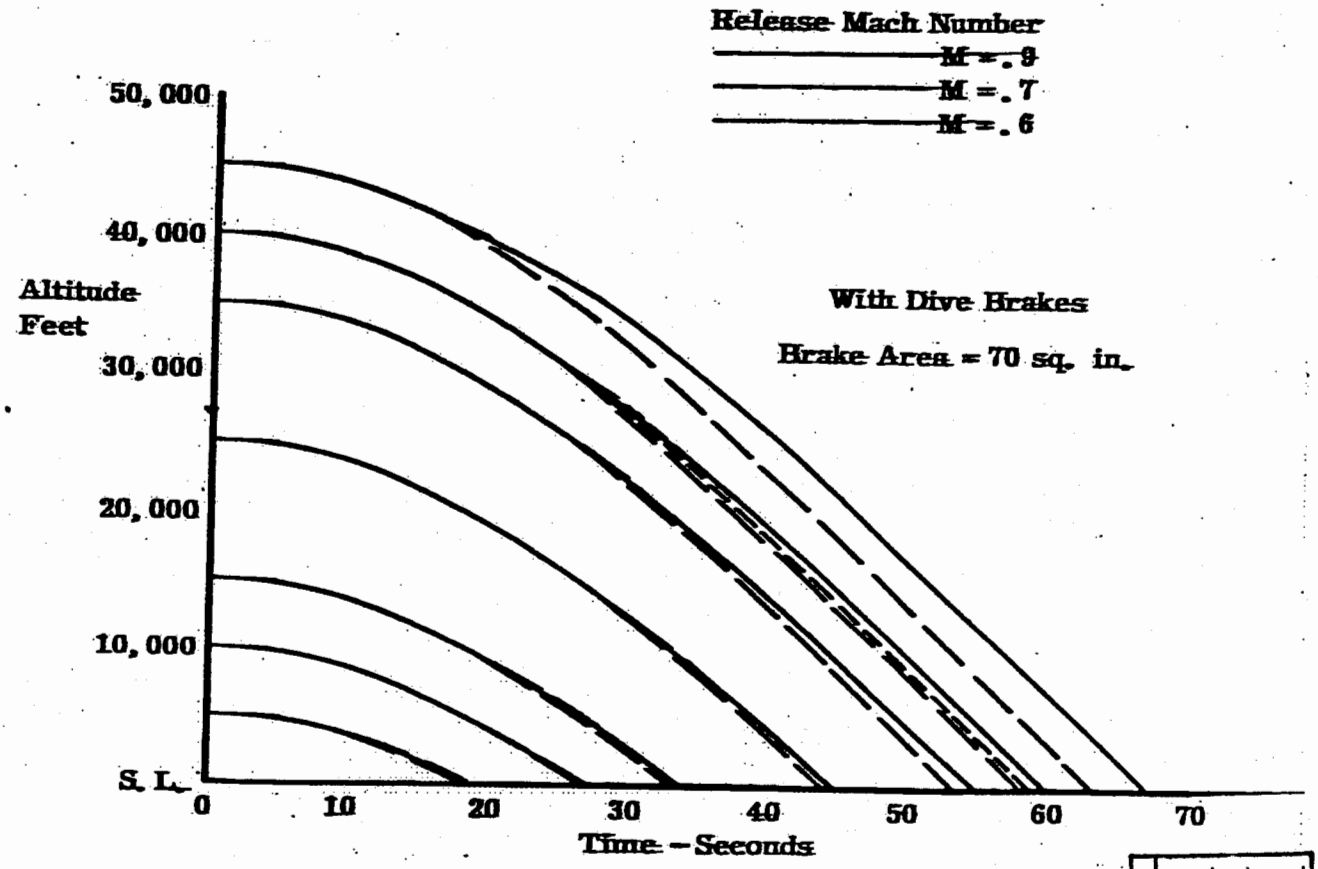
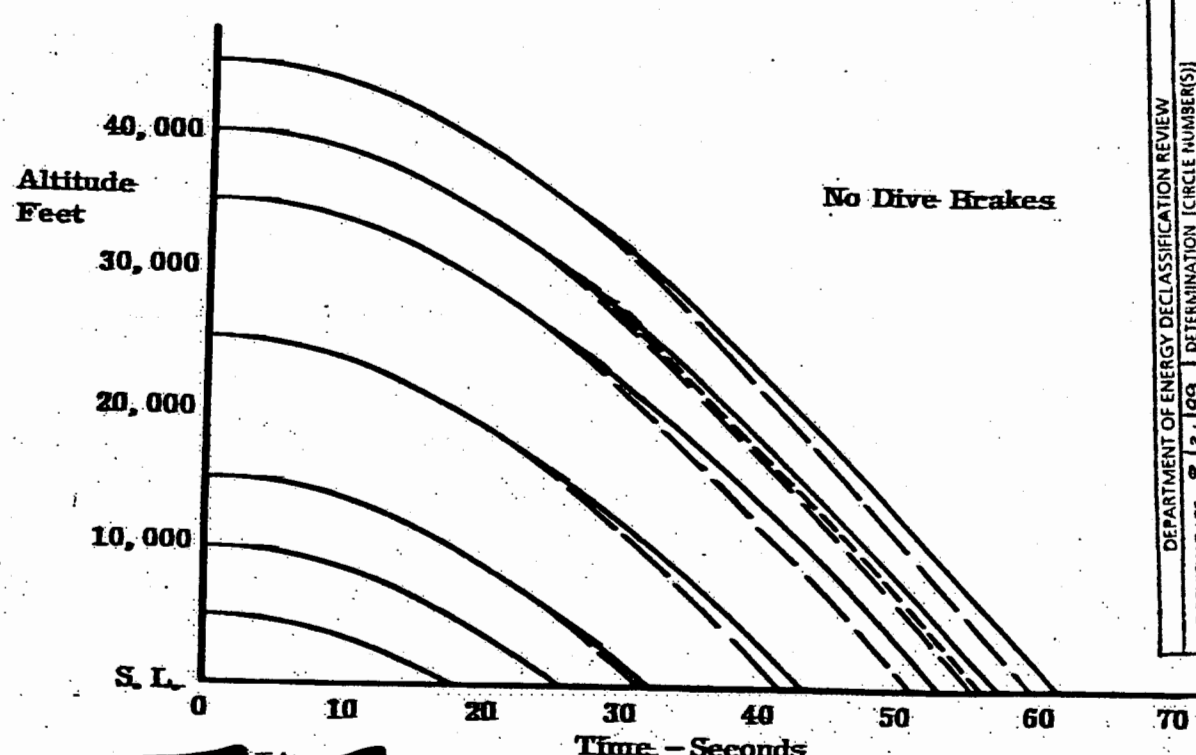
MK 7 TIME OF FLIGHT





DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 8/31/99
AUTHORITY: ☐ AOC ☒ ADC ☐ ADD
NAME: W. Byron Dixon
2ND REVIEW-DATE: 11/24/99
AUTHORITY: ADD
NAME: Jim Henry

DETERMINATION [CIRCLE NUMBER(S)]
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH:
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):

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This doc[redacted]ontains R[redacted]ata as defined in the Atomic Energ[redacted]4. Unauthorized di[redacted] subj[redacted]ministrative and Ch[redacted] Sanctions.

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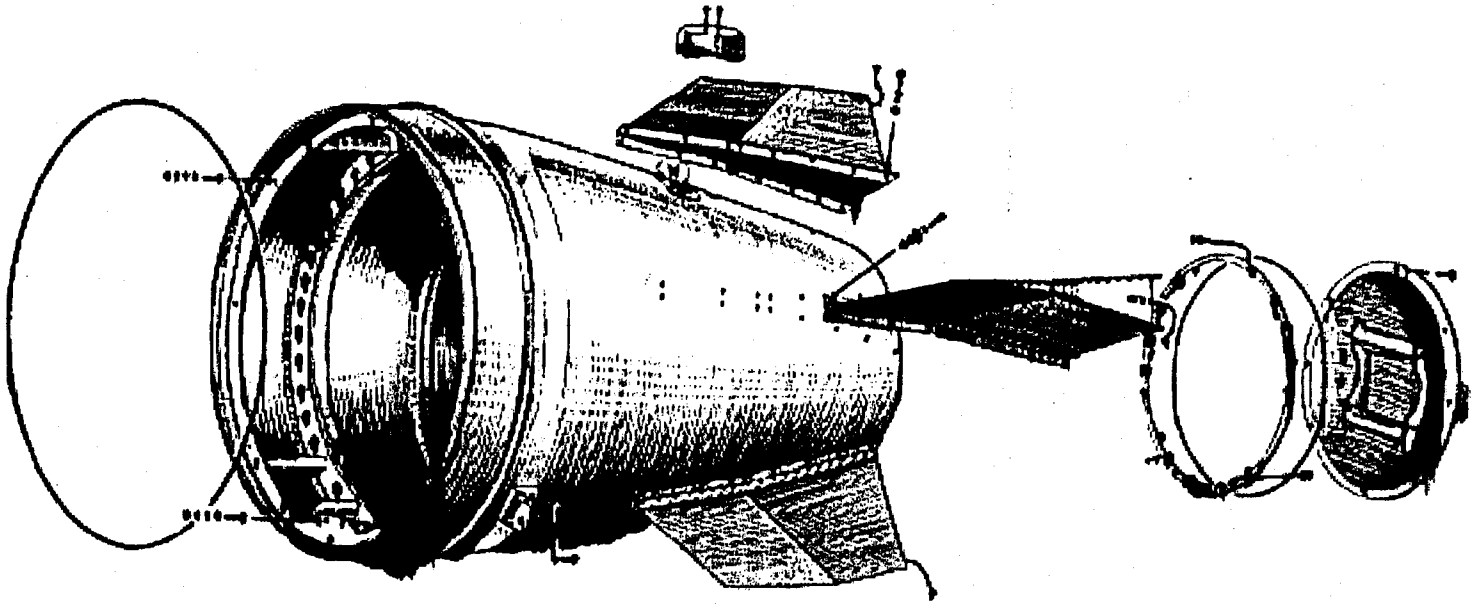

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/19/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greeney	(5) CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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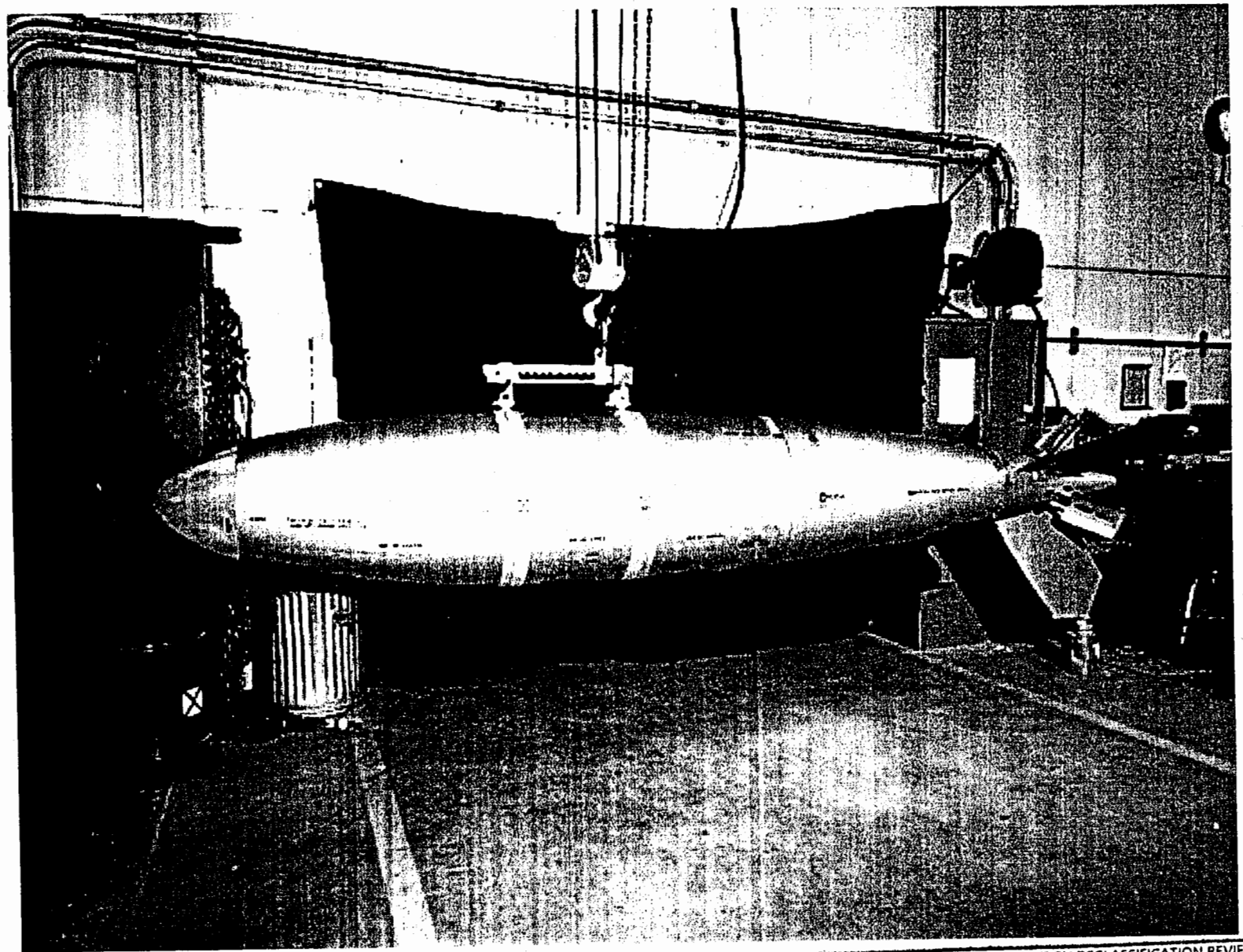

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐OC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dr	2. CLASSIFICATION CHANGED TO: ____
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: ____
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): ____

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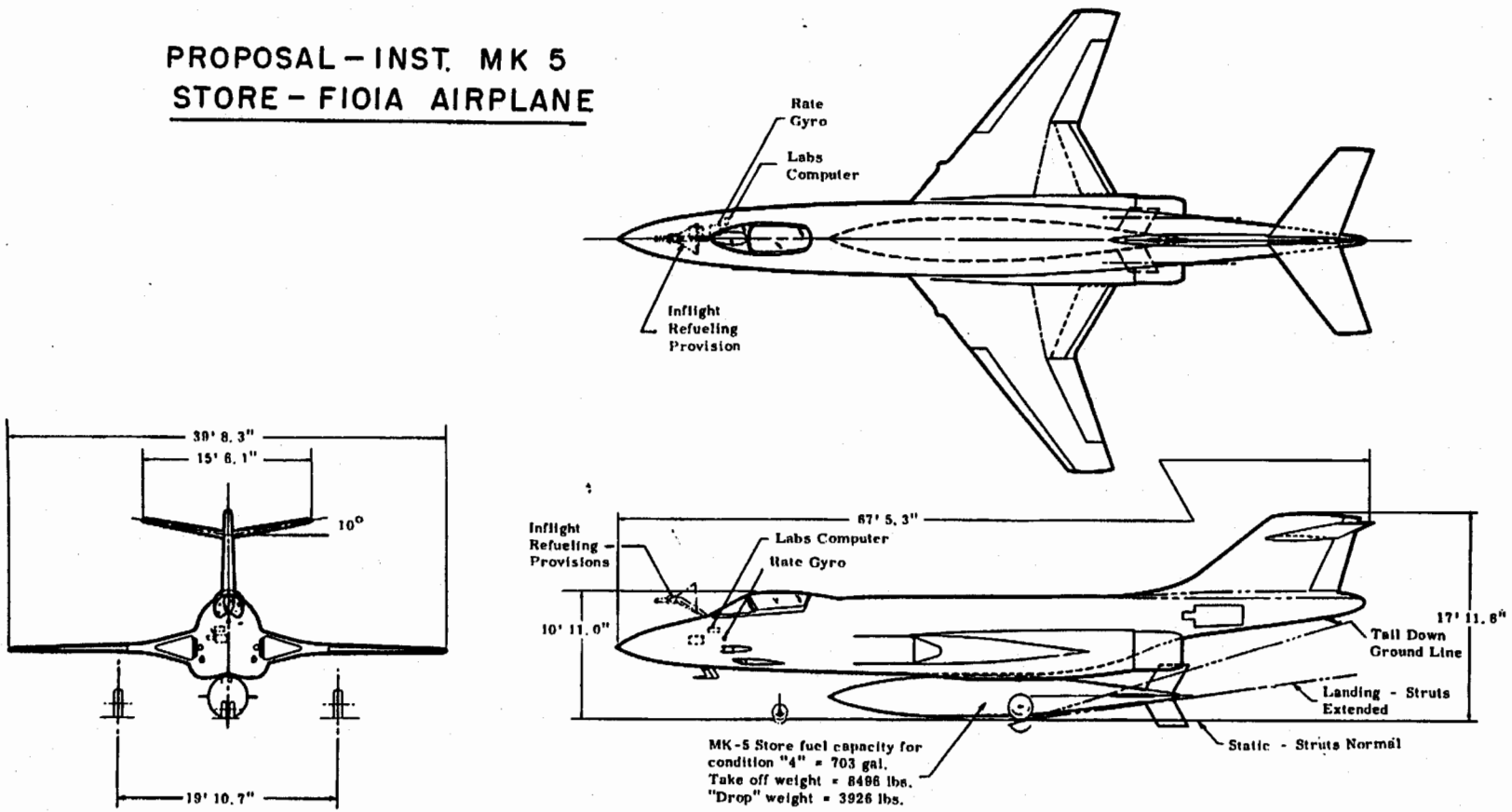
PROPOSAL – INST. MK 5 STORE – F101A AIRPLANE



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[redacted]F101A Plane Carrying MK5

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/2/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D.	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

[redacted]

MK 12 SEQUENCE OF OPERATION (#1)

EXTERNAL CARRIAGE

PRE-TAKE OFF:
- SET MC-220A
- SET S1 & S2 (RADAR RANGE)
- SET MC-348 SAFE SEPARATION TIME (TIMER OPTION)
- PREPARE AND INSTALL BATTERIES
- LOAD NUCLEAR

IN-FLIGHT: (T-79 OR T-145)
- EXTEND FINS
- TURN ON HEATER POWER
- TURN ON RADAR POWER
- SET FUZE (SELECTOR SWITCH)
- PERFORM IFI
- CLOSE "ARM-SAFE" SWITCH

RELEASE:
- ARMING WIRES EXTRACTED (PULL-OUT SWITCHES OPERATE)
- MC-73 STARTS TIMING SEQUENCE
- MC-348 STARTS TIMING SEQUENCE
- INVERTERS START

INTERNAL CARRIAGE

PRE-TAKE OFF:
- SET MC-348 SAFE SEPARATION TIME (TIMER OPTION)
- PREPARE AND INSTALL BATTERIES
- EXTEND FINS
- LOAD NUCLEAR

IN-FLIGHT: (T-18, T-35, T-102)
- TURN ON HEATER POWER
- TURN ON RADAR POWER
- SET FUZE (HELIPOT & RADAR RANGE SET SWITCH)
- PERFORM IFI
- CLOSE "ARM-SAFE" SWITCH

RELEASE:
- ARMING WIRE EXTRACTED (PULL-OUT SWITCHES OPERATE)
- MC-73 STARTS TIMING SEQUENCE
- MC-348 STARTS TIMING SEQUENCE
- INVERTERS START

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ADC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greening	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

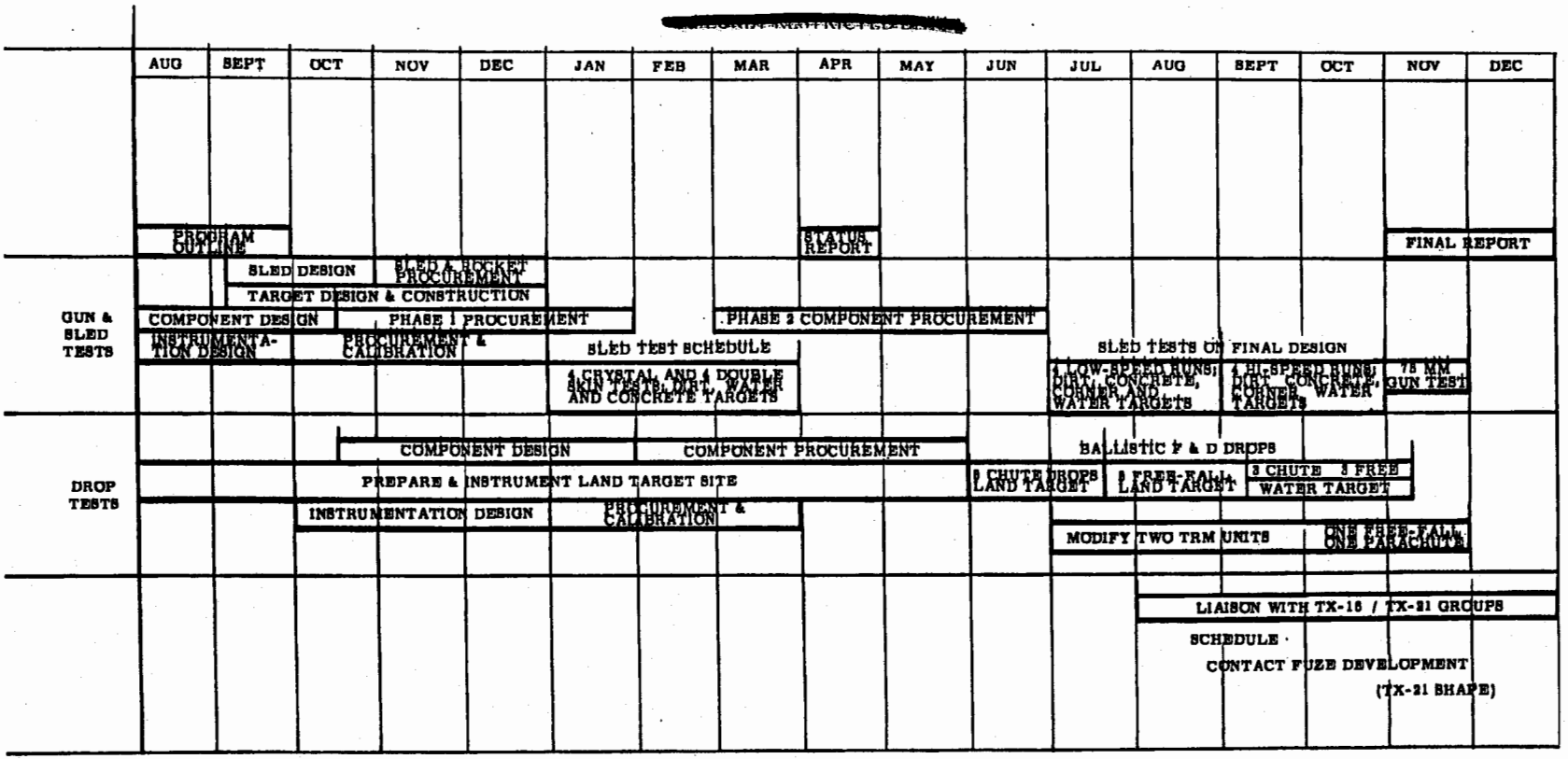
SAB200166770000

99SA20B000219

108

[redacted]

[redacted]



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109

SAB200146780000

[redacted]

RESTRICTED DATA

This Document [redacted] Restricted Data [redacted] in the Atomic Energy Ac[redacted] authorized discl[redacted] Administrative [redacted] [redacted]ctions.

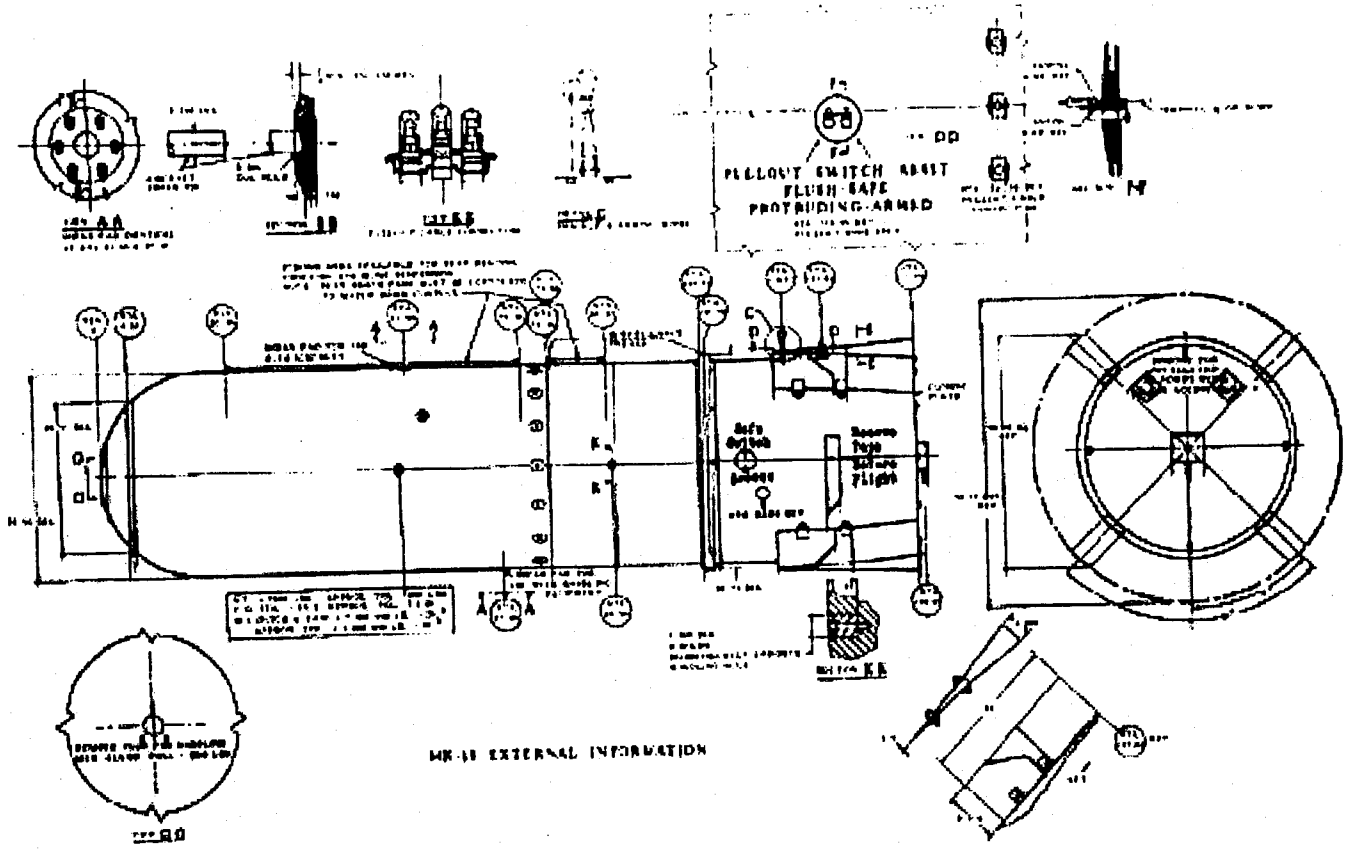
[redacted]

SRD

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/2/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenig	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

99SA20B000219

SECRET



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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Bryan Dam	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/19/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greeney	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

RESTRICTED DATA

This document contains Restricted Data as defined in the Atomic Energy Act of 1954. Unauthorized disclosure subject to Administrative and Criminal Sanctions.

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[redacted]

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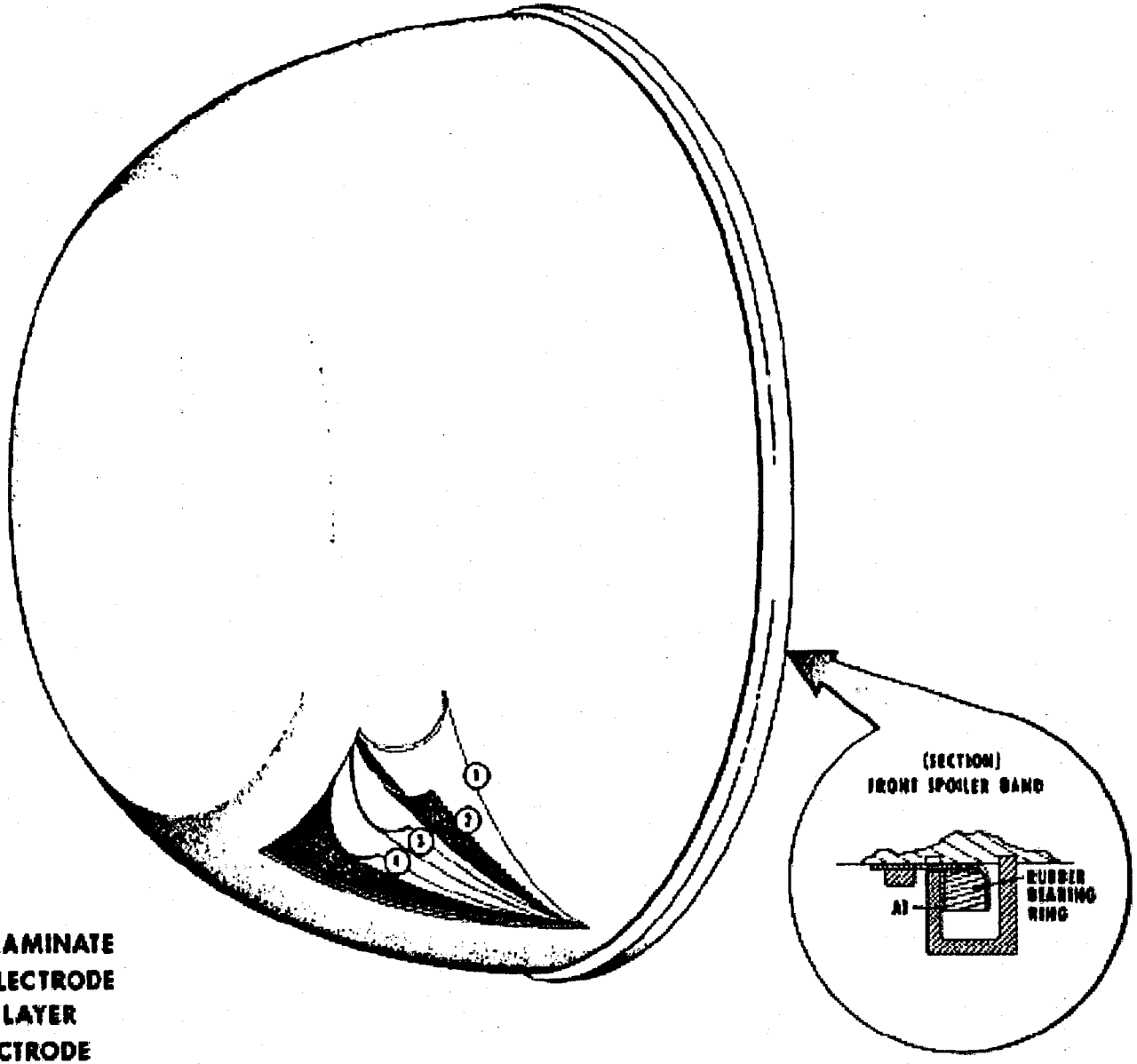

① FIBERGLASS LAMINATE
② INSULATED ELECTRODE
③ INSULATION LAYER
④ GROUND ELECTRODE

RESTRICTED DATA

This Document contains Restricted [redacted] ...ined [redacted] ...thorized disclosure subject [redacted] ...ministrative [redacted] Sanctions [redacted]

TX-21 DOUBLE SHELL CONTACT DEVICE

[redacted]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D.	2. CLASSIFICATION CHANGED TO: ____
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: ____
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): ____

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(116)

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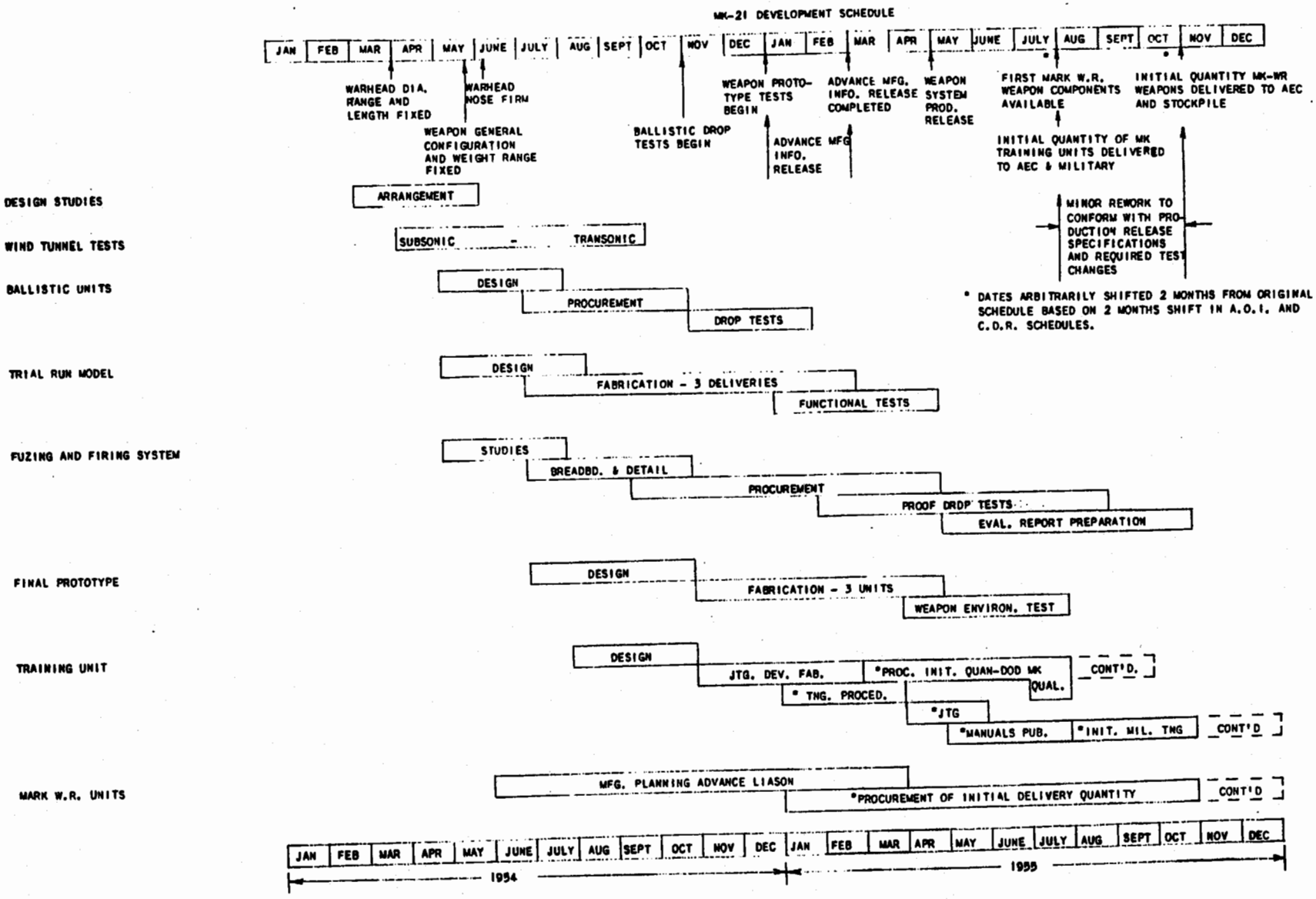

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[redacted] ment contains Restricted D[redacted] efined in the A[redacted] uthorized disclosur[redacted] Administrative a[redacted]

[redacted]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 8/31/99
AUTHORITY: ☐AOC ☒ADC ☐ADD
NAME: W. Byron Dr
2ND REVIEW-DATE: 11/24/99
AUTHORITY: ADD
NAME: Jim Greenz

DETERMINATION [CIRCLE NUMBER(S)]
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO: ____
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH: ____
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY): ____

SAB 200166 860000

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(117)

SAB 20016870000

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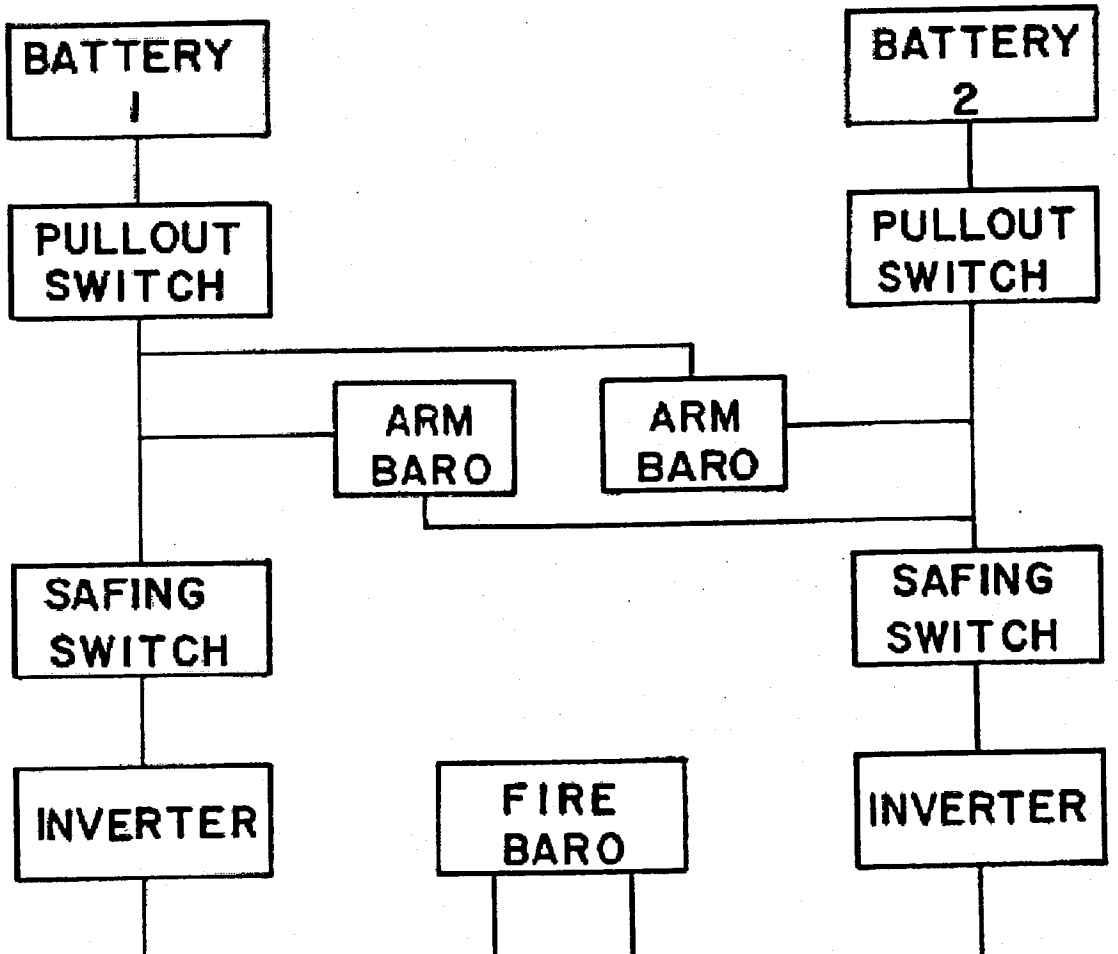
BLOCK DIAGRAM OF MK 14 FUZING SYSTEM



SK(1244)41674

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 8/31/99 DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: DADC DADC DADD 1. CLASSIFICATION RETAINED
NAME: 2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99 3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD 4. COORDINATE WITH:
NAME: 5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED

RESTRICTED

This Document contains Restricted Data as defined in the Atomic Energy Act. Unauthorized disclosure subject to Administrative and Criminal sanctions.

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118

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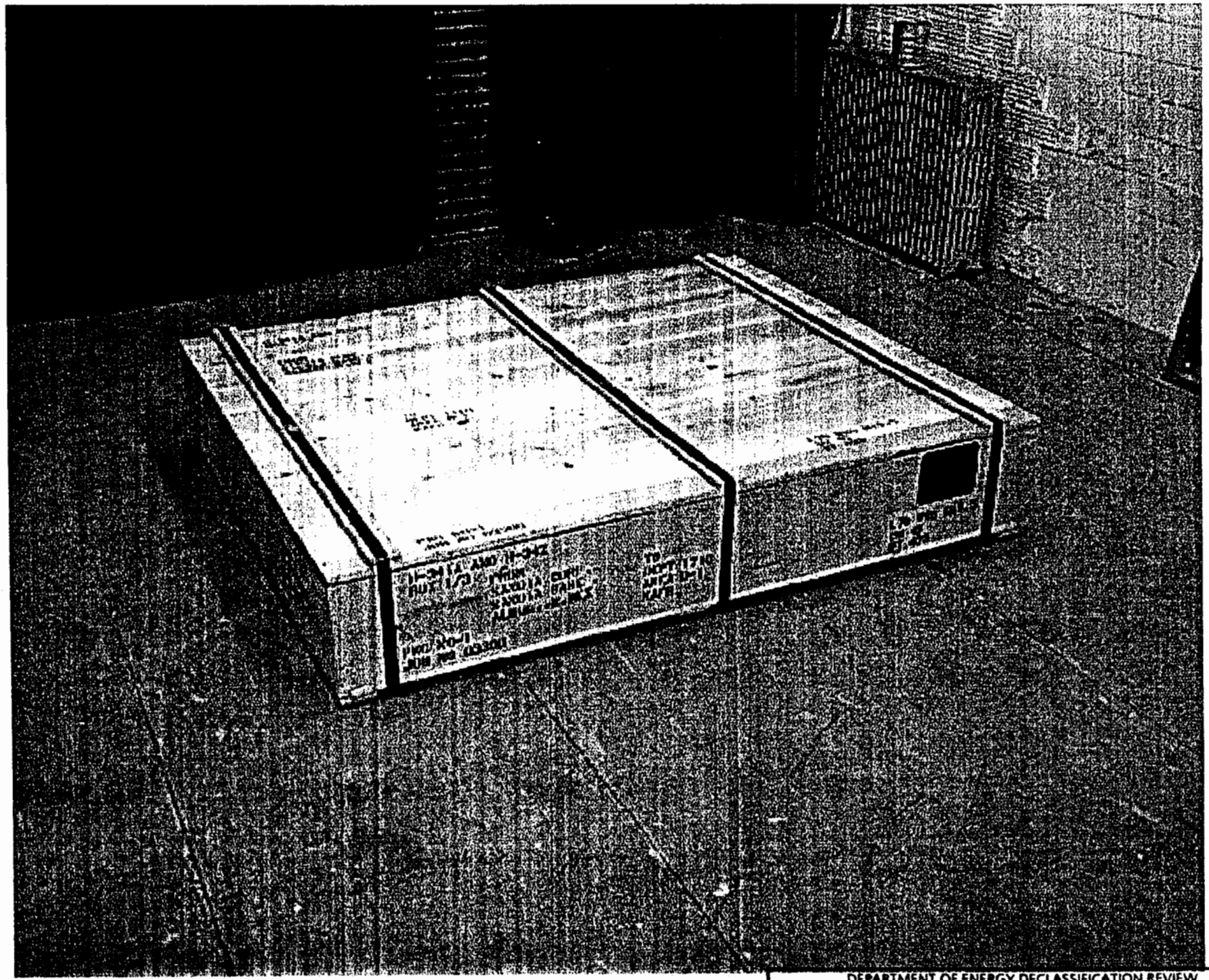

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dr	2. CLASSIFICATION CHANGED TO: _____
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: _____
NAME: Jim Greenf	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): _____

RESTRICTED DATA

[redacted] ...ment contains [redacted] ...ned in the Atomic [redacted] ...thorized disclo[redacted] ...ject to Administrative and [redacted] ...nctions.

[redacted]

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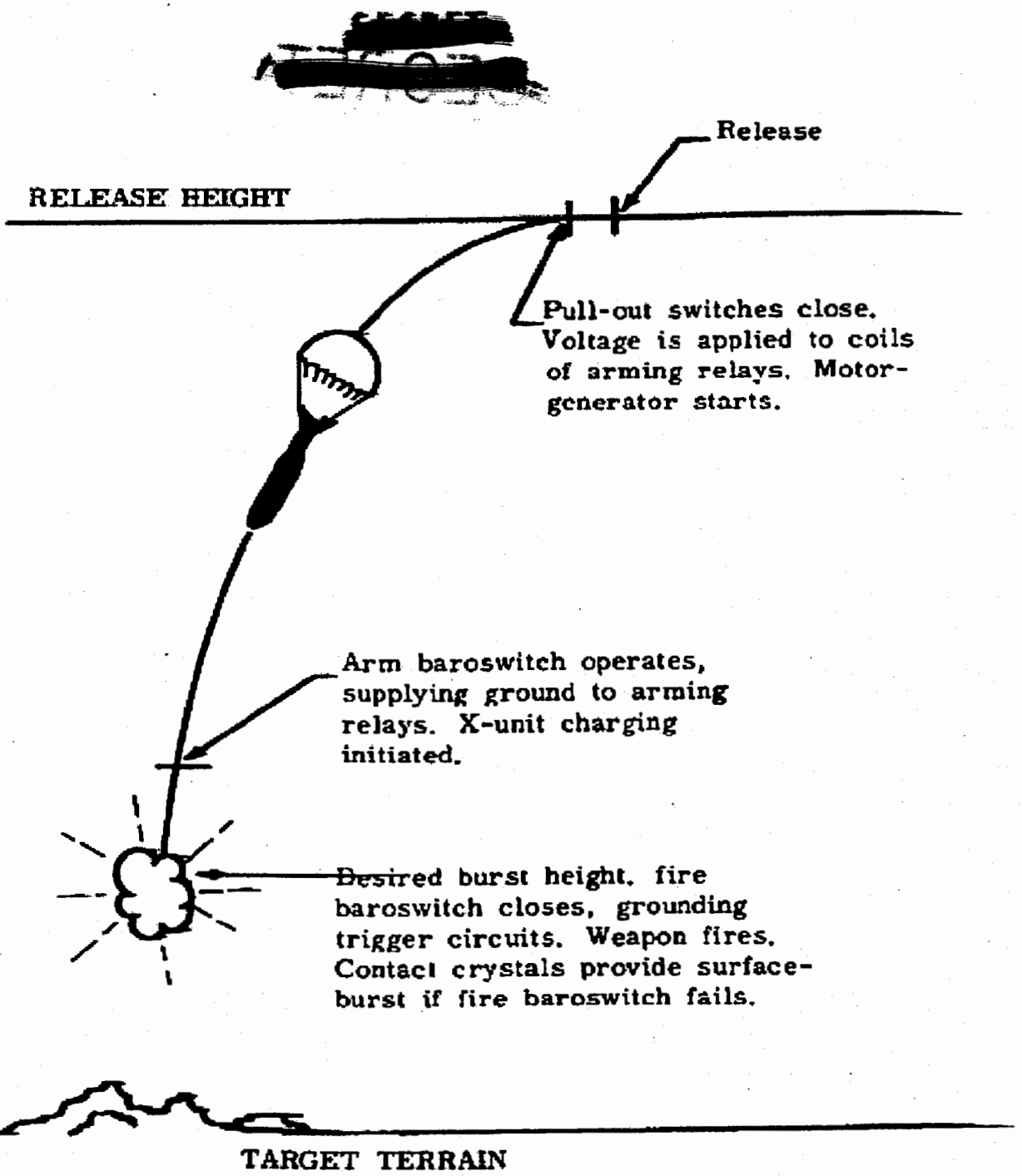

Operational Sequence of Mk 17 Fuze, Air-Burst Option

This [illegible] contains [illegible] Data as defined in the Atomic [illegible] of 1954. Unauthorized disclosure [illegible] Administrative and Criminal Sanctions

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 8/31/99
AUTHORITY: DADC MADC DADD
NAME: W. Byron Dow
2ND REVIEW-DATE: 11/24/99
AUTHORITY: ADD
NAME: Jim Hranicky
DETERMINATION [CIRCLE NUMBER(S)]
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO: ____
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH: ____
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY): ____

SECRET

995A20B000219

[redacted]

MK 7 CARRYING AIRCRAFT

OPERATIONAL		PROPOSED	
AIRFORCE	NAVY	AIRFORCE	NAVY
B-45A	AD-1B AD-5 AD-5N AD-6	B-57B	A3D-1, 1B
F-84F	AJ-1, 2	BHF-84F	A4D-1
F-84G	F2H-2B F2H-3, 4	F100 C, D	AH-1
	F7U-3	F-101A	F5D-1
		F-105A	F3H-2N, 2M
		F-107	F8U
			P6M

~~SECRET RESTRICTED DATA~~

[redacted] contains Restricted [redacted] in the Atomic [redacted] 1954. Unauthorized disclo[redacted] ject to Administrative [redacted] sanctions.

[redacted]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99 AUTHORITY: ☐AOC ☒ADC ☐ADD NAME: W. Byron Dr[illegible] 2ND REVIEW-DATE: 11/24/99 AUTHORITY: ADD NAME: Jim Greenfy	DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: ____ 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: ____ 5. CLASSIFICATION CANCELLED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY): ____

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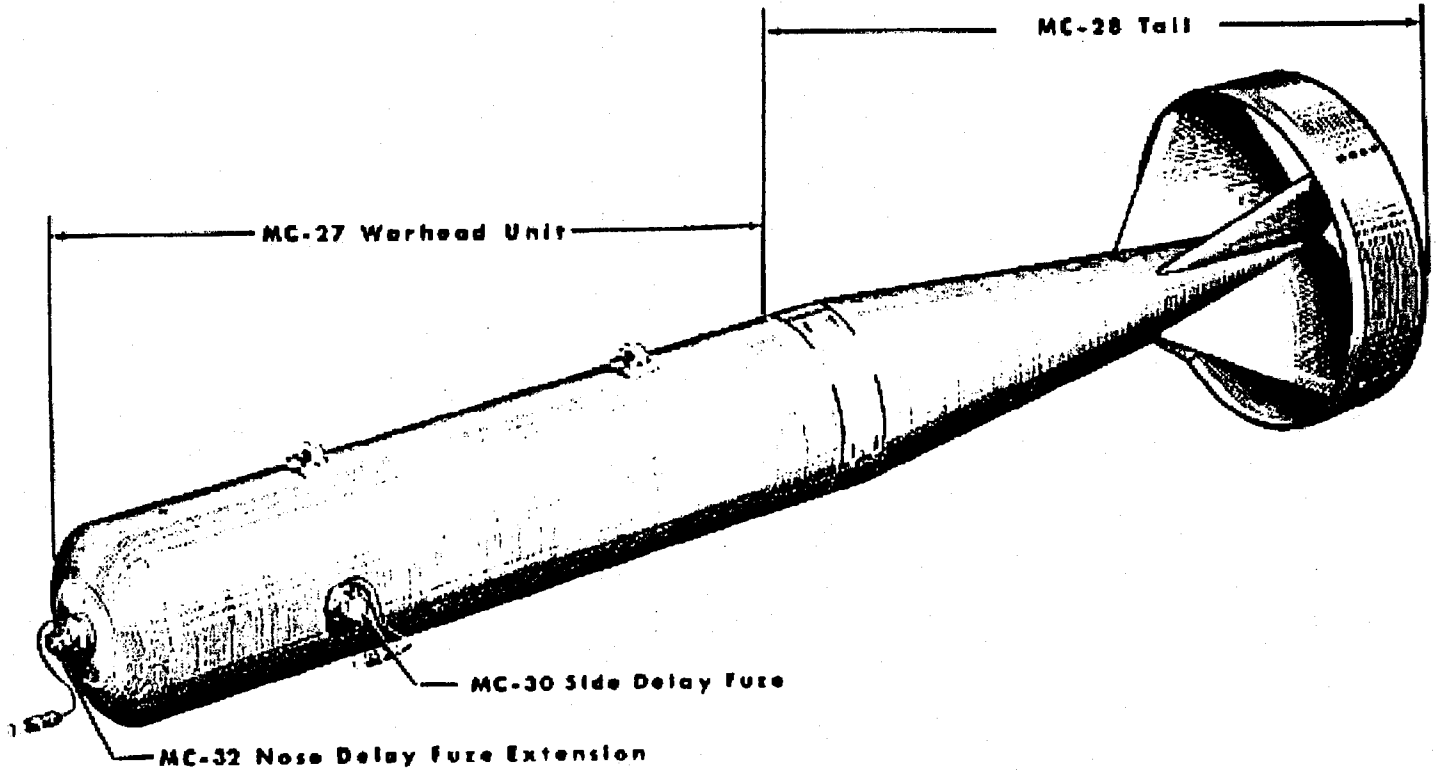

139

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dunn	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greening	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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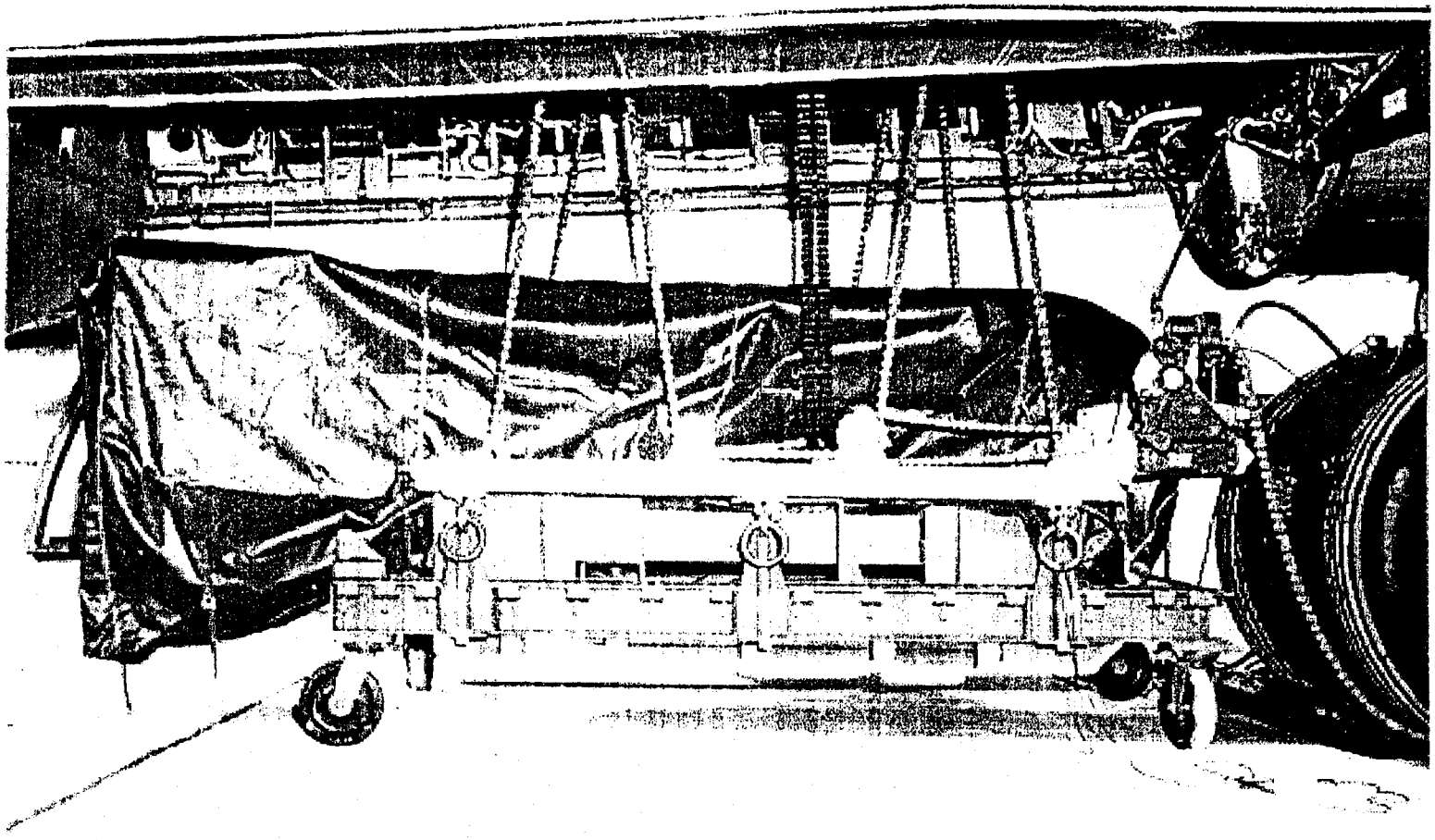

[redacted]

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[redacted]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Da[illegible]	2. CLASSIFICATION CHANGED TO: ____
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: ____
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): ____

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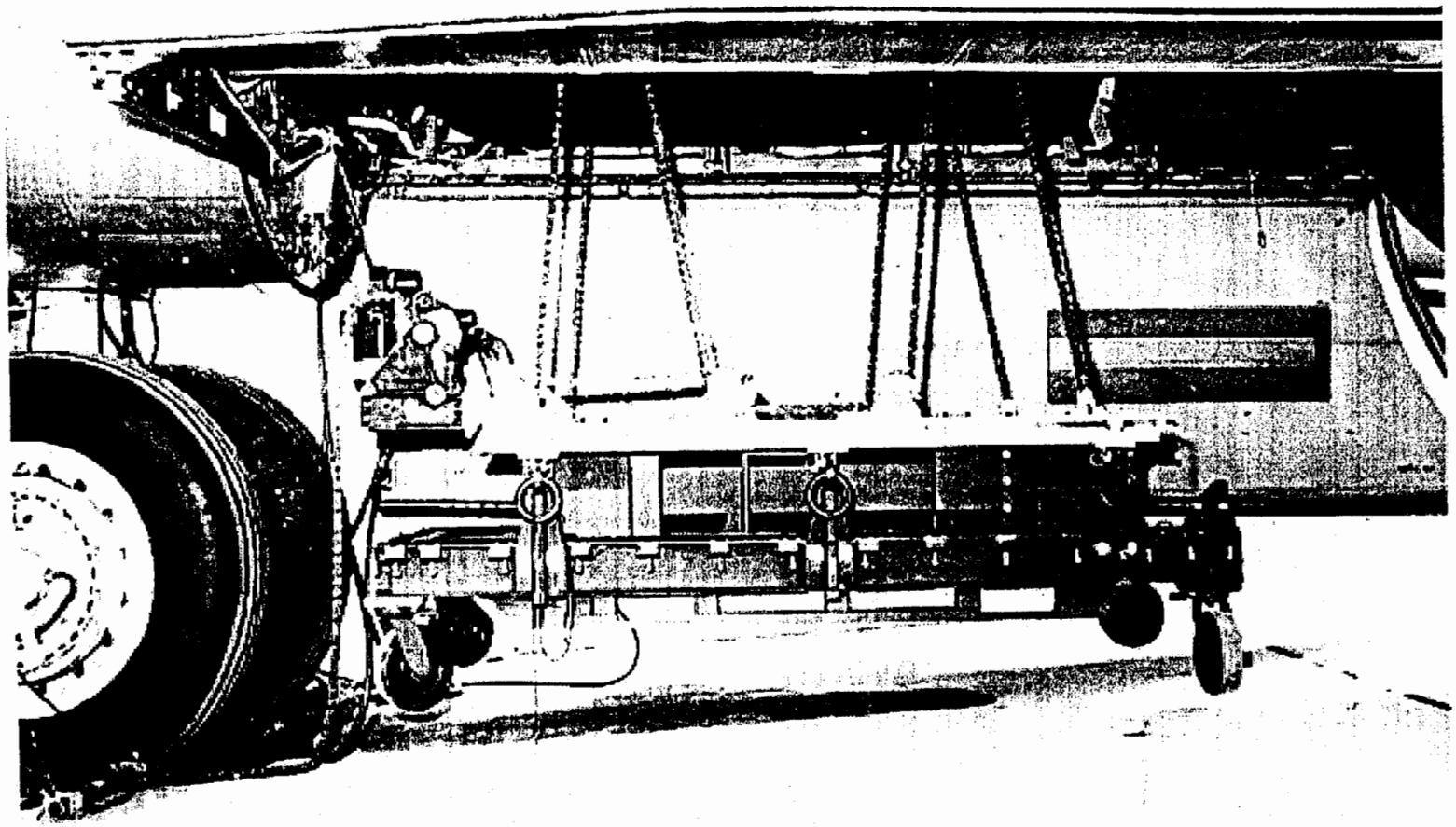

RE[redacted]
T[redacted]ontains Restricted Data [redacted]d
in the Atomic [redacted]thorized
disclosure subi[redacted]
Sanct[redacted]

[redacted]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ACC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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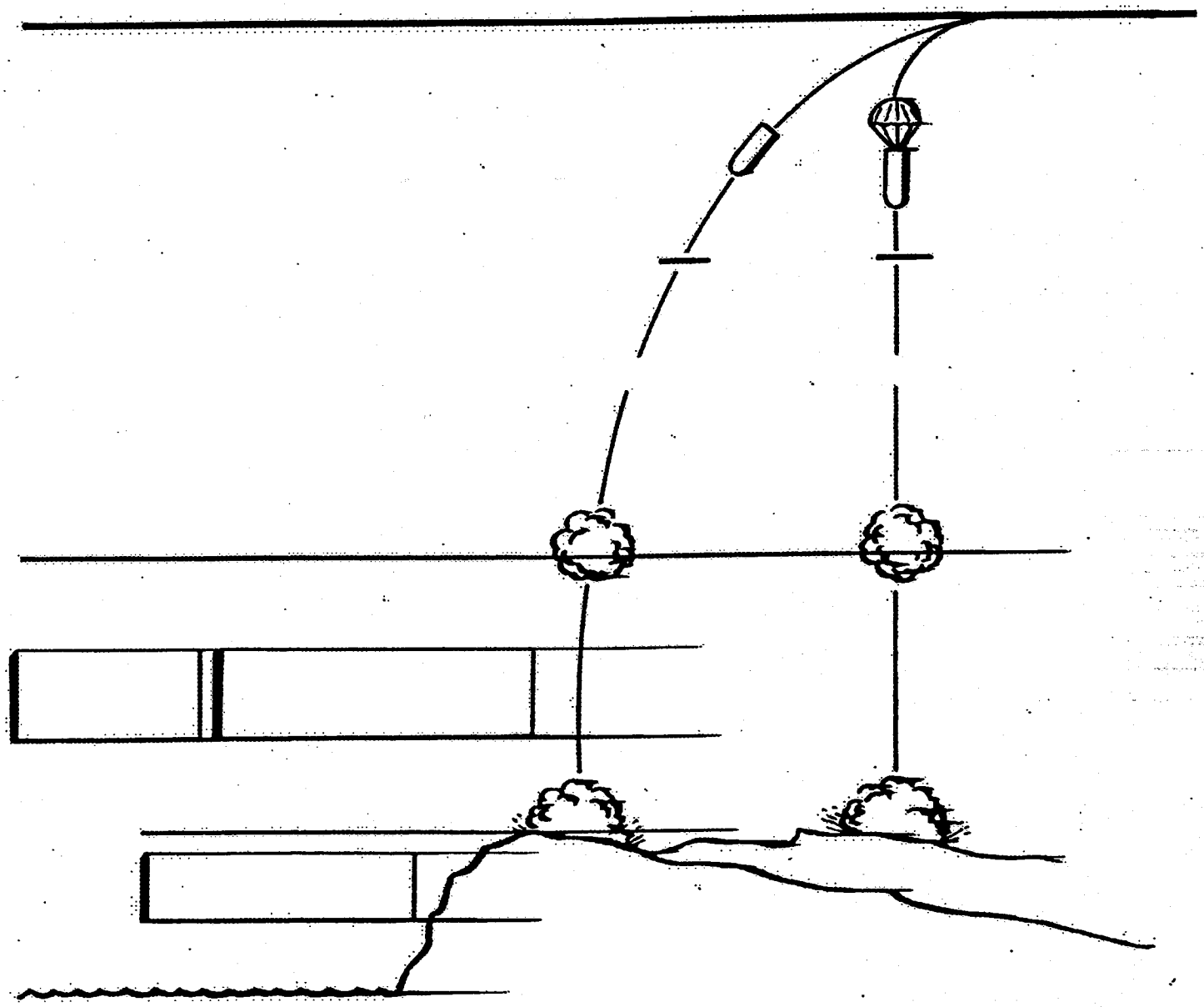

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/94	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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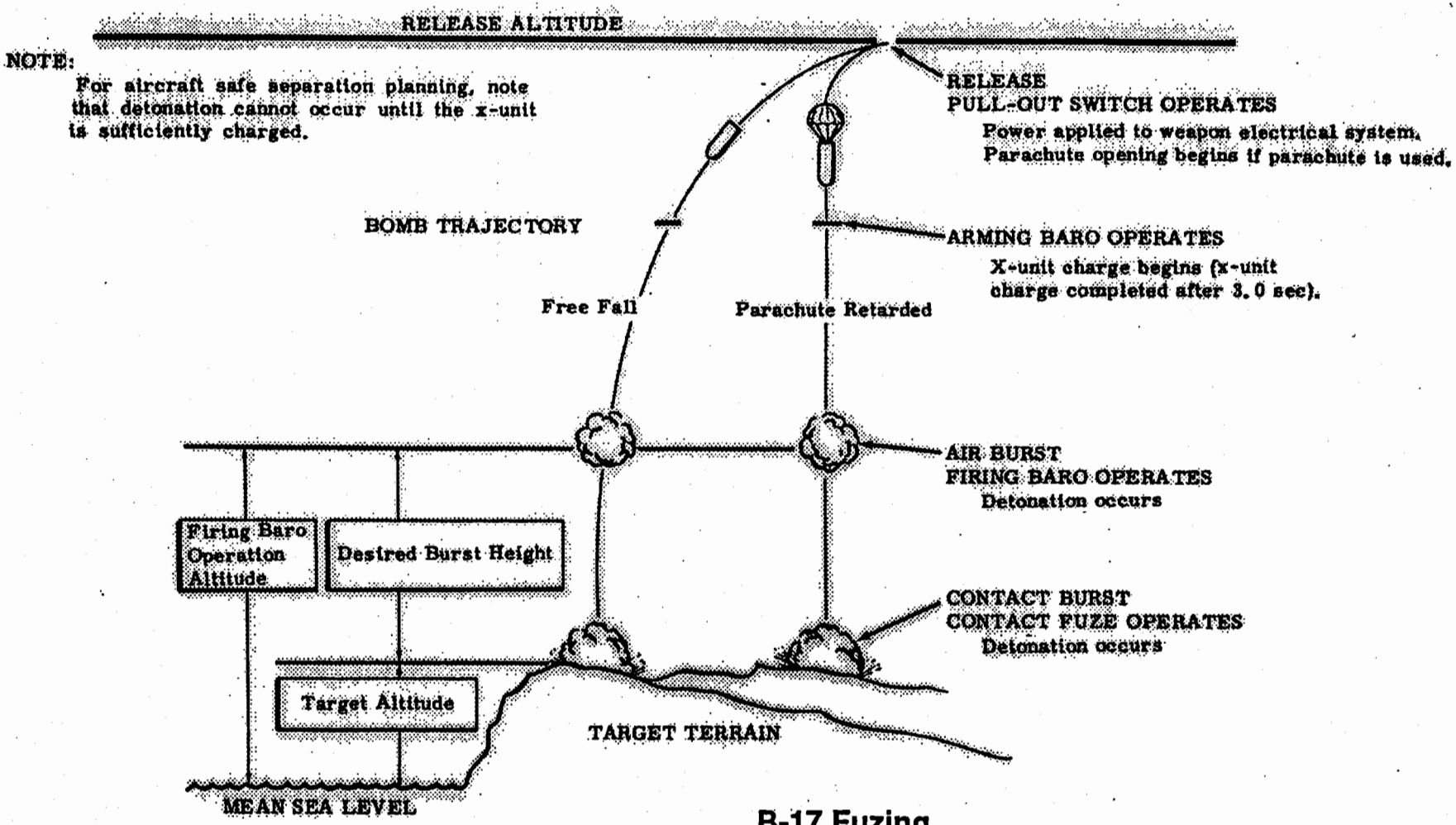

B-17 Fuzing Sequence

151

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/29/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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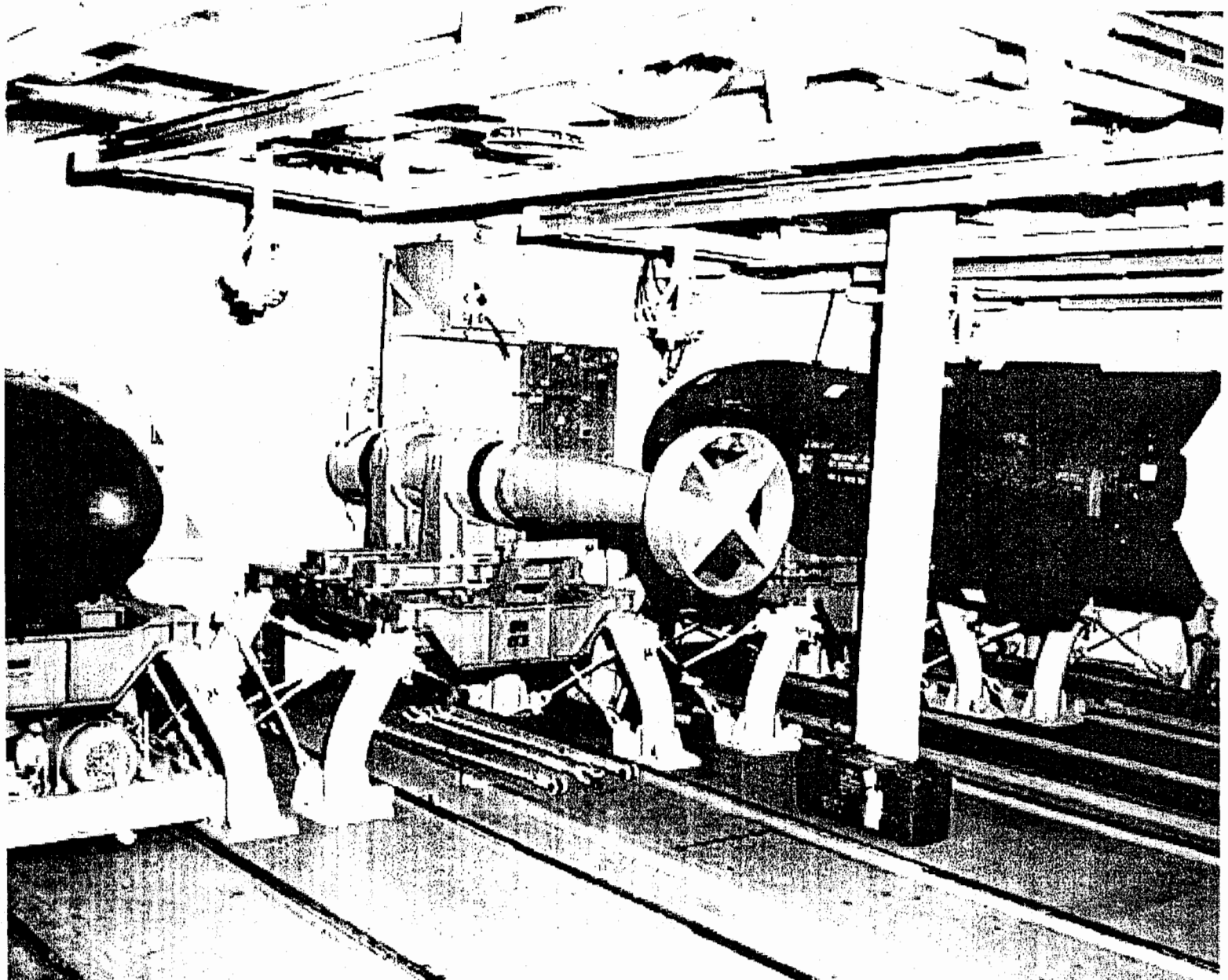

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MK6-7-8 Full Scale Test Program

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron [illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/29/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenz	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

156

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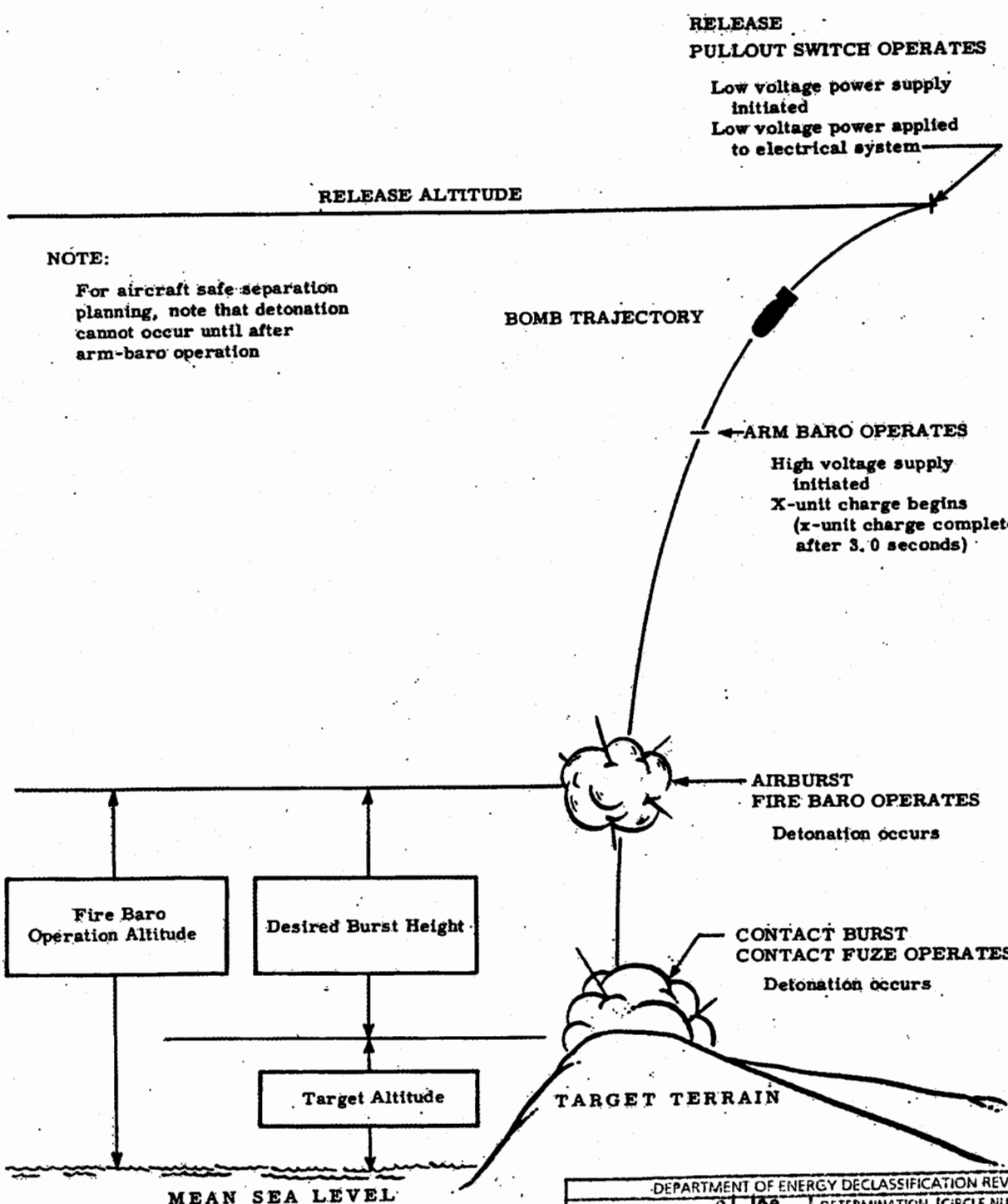

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99 AUTHORITY: ☐AOC ☒ADC ☐ADD NAME: W. Byron D 2ND REVIEW-DATE: 11/29/99 AUTHORITY: ADD NAME: Jim Greenf	DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: ____ 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: ____ (5) CLASSIFICATION CANCELLED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY): ____

[redacted]
Unauth[redacted]closure [redacted]ministrative and Criminal [redacted]andle as Restricted Data in Forei[redacted] Section 144.b., At[redacted]gy Act, 1954.

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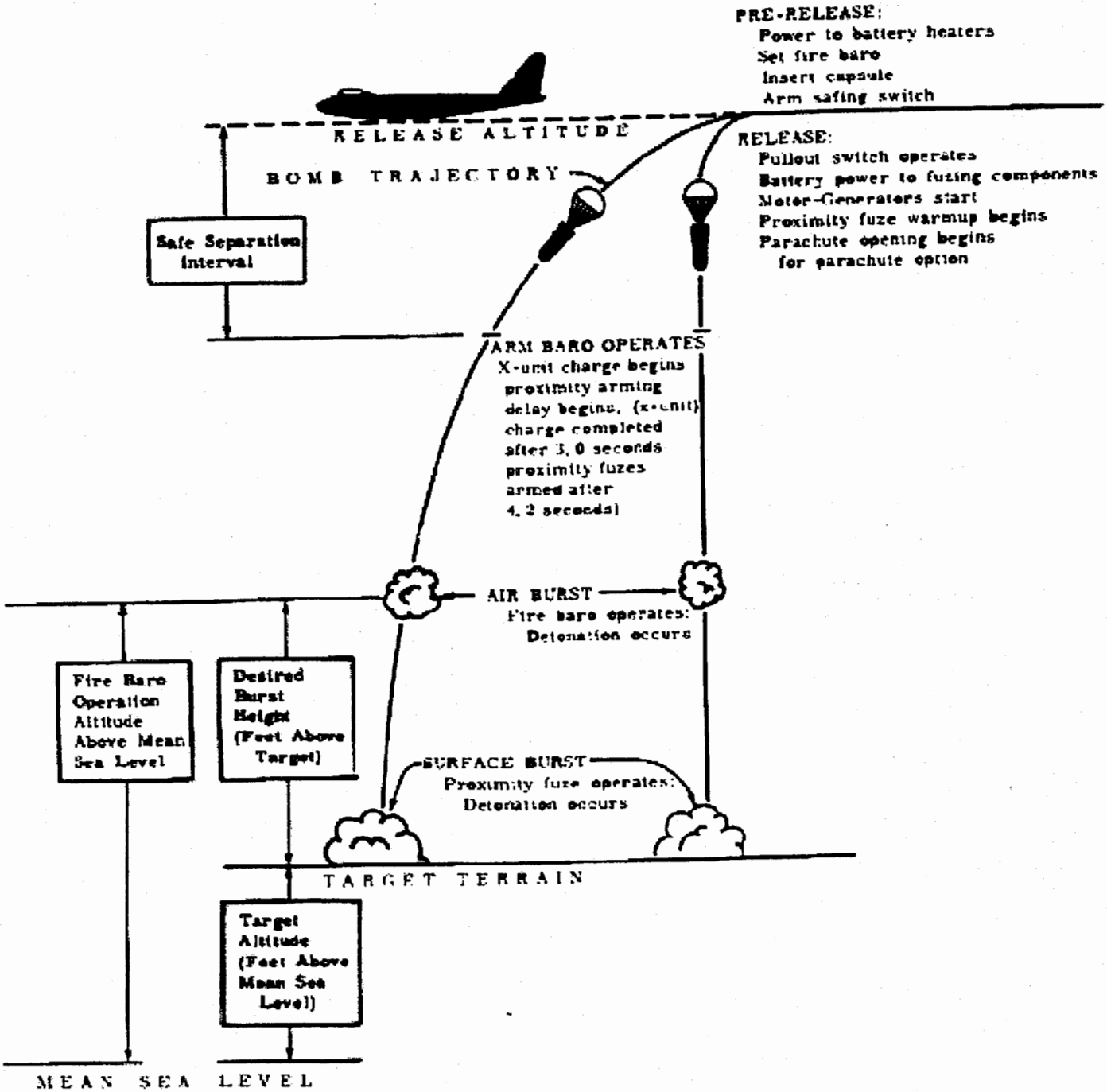

SECRET

RESTRICTED DATA
This Document Contains Restricted Data as defined in the Atomic Energy Act of 1954. Unauthorized disclosure subject to Administrative and Criminal Sanctions.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 9/1/99
AUTHORITY: DADC ADC DADD
NAME: W. Byrne
2ND REVIEW-DATE: 11/29/99
AUTHORITY: ADD
NAME: Jim Greenwood
DETERMINATION (CIRCLE NUMBER(S))
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH:
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):

SECRET

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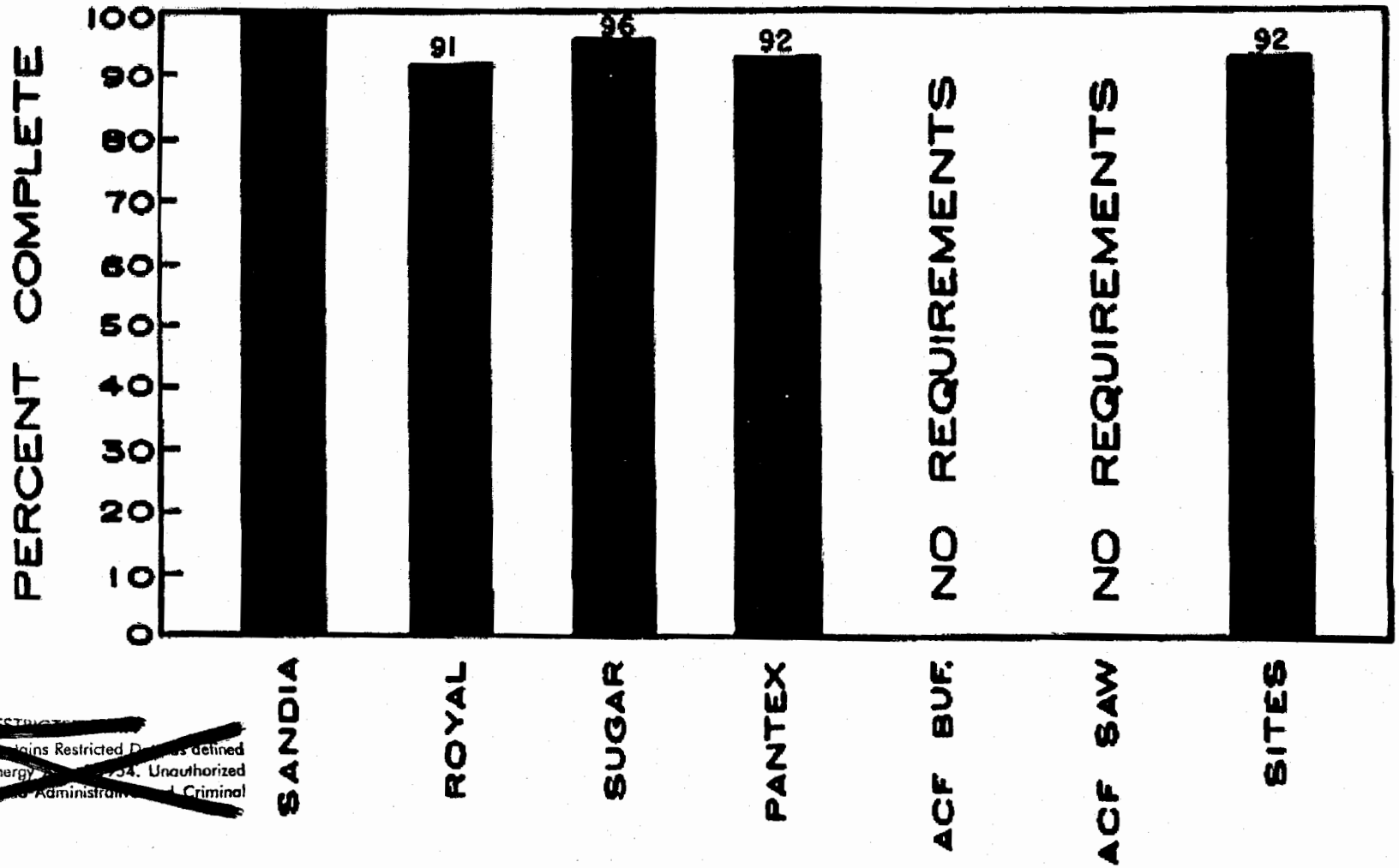
STATUS OF QA
EQUIPMENT NEEDS — 1 APRIL 1956

MK 21 PROGRAM



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~~This Document contains Restricted Data as defined in the Atomic Energy Act of 1954. Unauthorized disclosure subject to Administrative and Criminal Sanctions.~~

QA INSPECTION AGENCY

~~SECRET~~

~~SECRET~~

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ AOC ☒ ADC ☐ ADD	1. CLASSIFICATION RETAINED
NAME: W. Barnes	2. CLASSIFICATION CHANGED TO:
	3. CONTAINS NO DOE CLASSIFIED INFO

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SAB20016740

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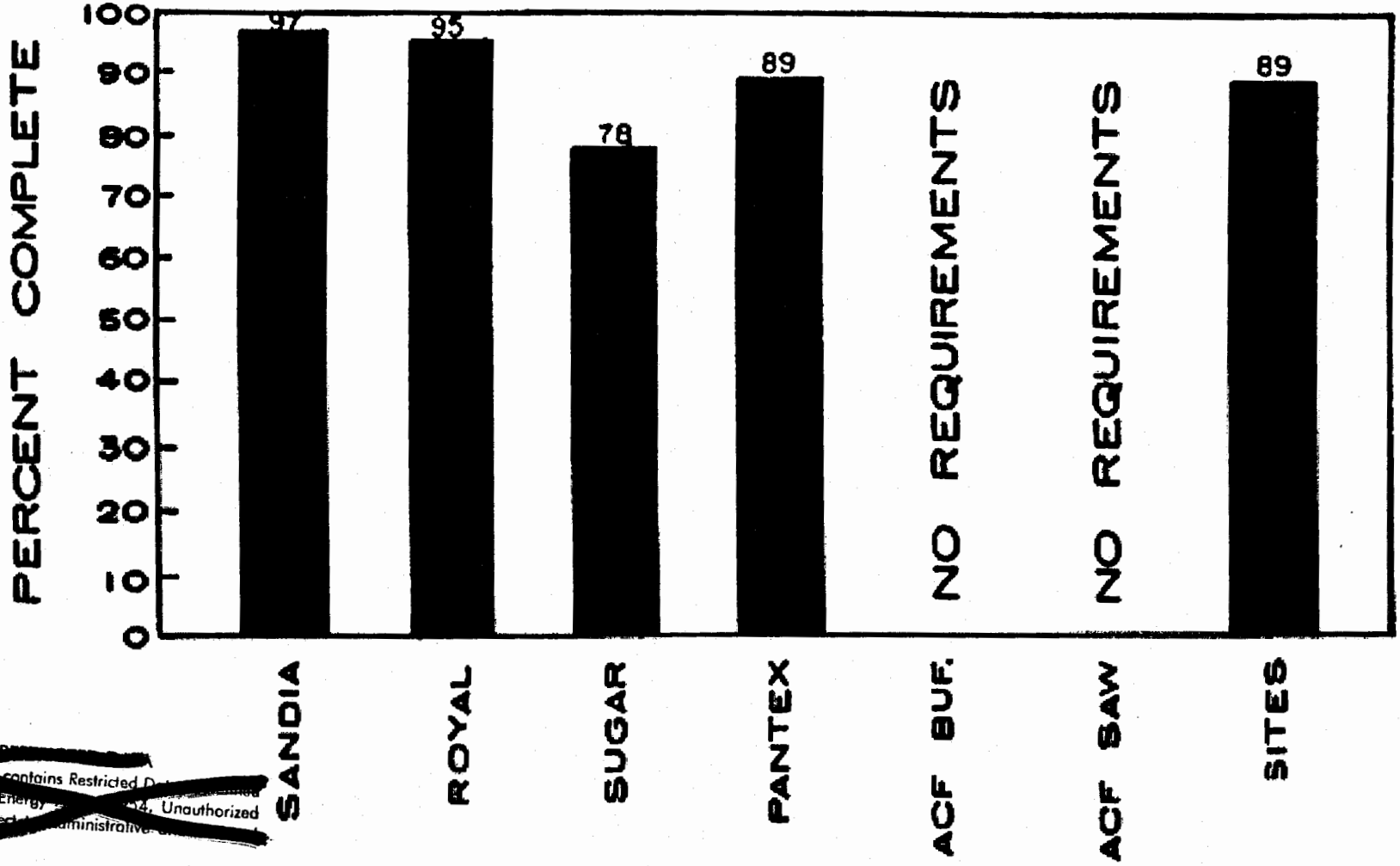
~~SECRET~~

STATUS OF QA

EQUIPMENT NEEDS — 1 APRIL 1956

MK 15 PROGRAM



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QA INSPECTION AGENCY

~~SECRET~~

~~SECRET~~

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byrne	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/29/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED

SAB 200167410000

95S1420B000219

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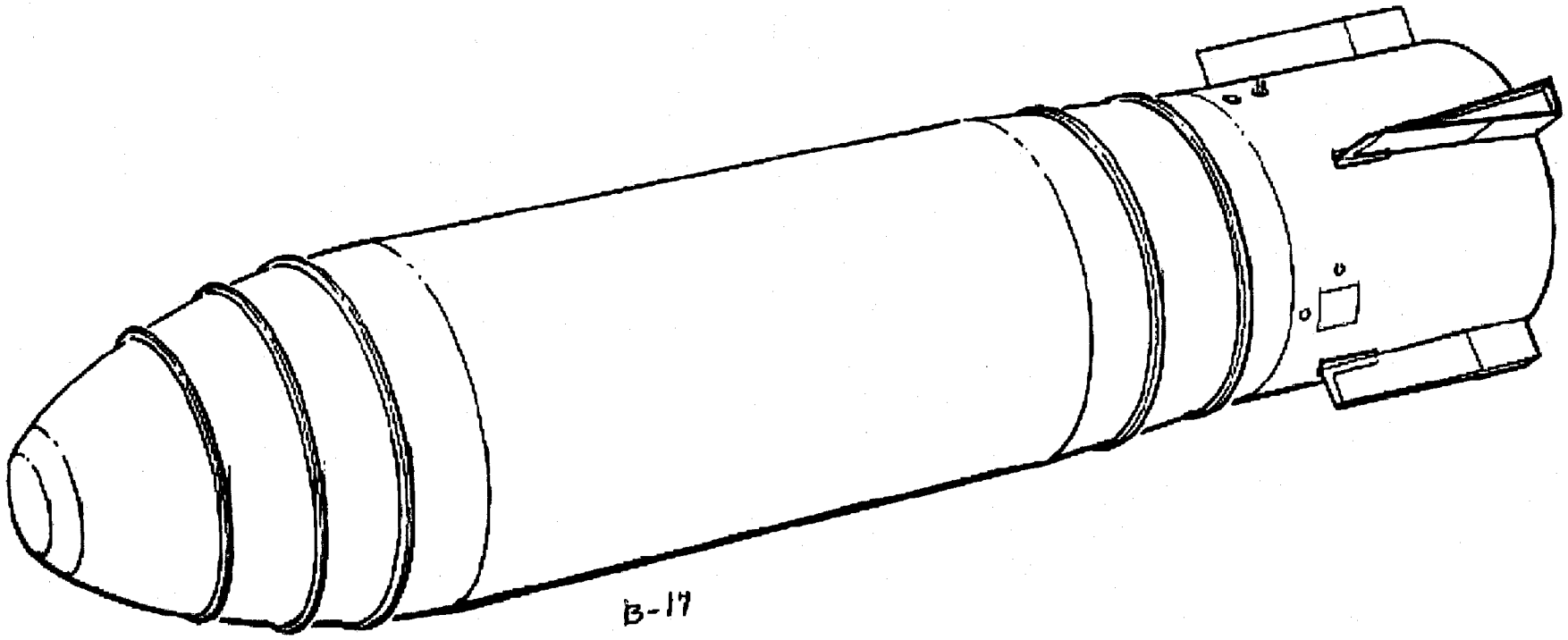

B17 Bomb

2-prints 9" 1-file copy

CRD

[redacted]

This Document contains R[redacted] Data as defined [redacted] 1954. Unauthorized disclosure su[redacted] to Administra[redacted] Sanctio[redacted]

[redacted]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ACC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dunn	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/29/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenz	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

SAB200167430000

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167

[redacted]

SAB20014746000O

PRIMARY CAPSULE IN CONTAINER

MK 15 MOD 1 BOMB OR MK 39 MOD 0 BOMB

BOMB MAINTENANCE SPARES

SHIPMENT BY AIRCRAFT, RAILROAD, SHIP, OR FLATBED

ASSEMBLED STORAGE

GROUND OPERATIONS

SHIPBOARD OPERATIONS

TRANSPORT WEAPON TO STRIKE AIRCRAFT

TRANSPORT WEAPON TO FLIGHT DECK

AIRCRAFT WIRING TEST

BEFORE-LOADING TEST
Baro Control Monitor Test
Arming System Control Monitor Test, and IFI Test

INSTALL CAPSULE

LOAD AIRCRAFT

PRETAKE-OFF TEST
Baro Control Monitor Test and
Arming System Control Monitor Test

INFLIGHT CONTROL AND MONITOR

DROP

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 9/1/99
AUTHORITY: ☐ADC ☒ADC ☐ADD
NAME: W. Byrne
2ND REVIEW-DATE: 11/29/99
AUTHORITY: ADD
NAME: Jim Hruska
DETERMINATION (CIRCLE NUMBER(S))
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO: ____
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH: ____
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY): ____

2- Prints Actual Size RUSH! SEC.
1- File Copy

Stockpile to Target Sequence B-15 or B-39

[redacted]

This D[redacted]efined in the Atom[redacted]954. Unauthorized disclo[redacted]ed to Adm[redacted]and Criminal S[redacted]ns.

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170

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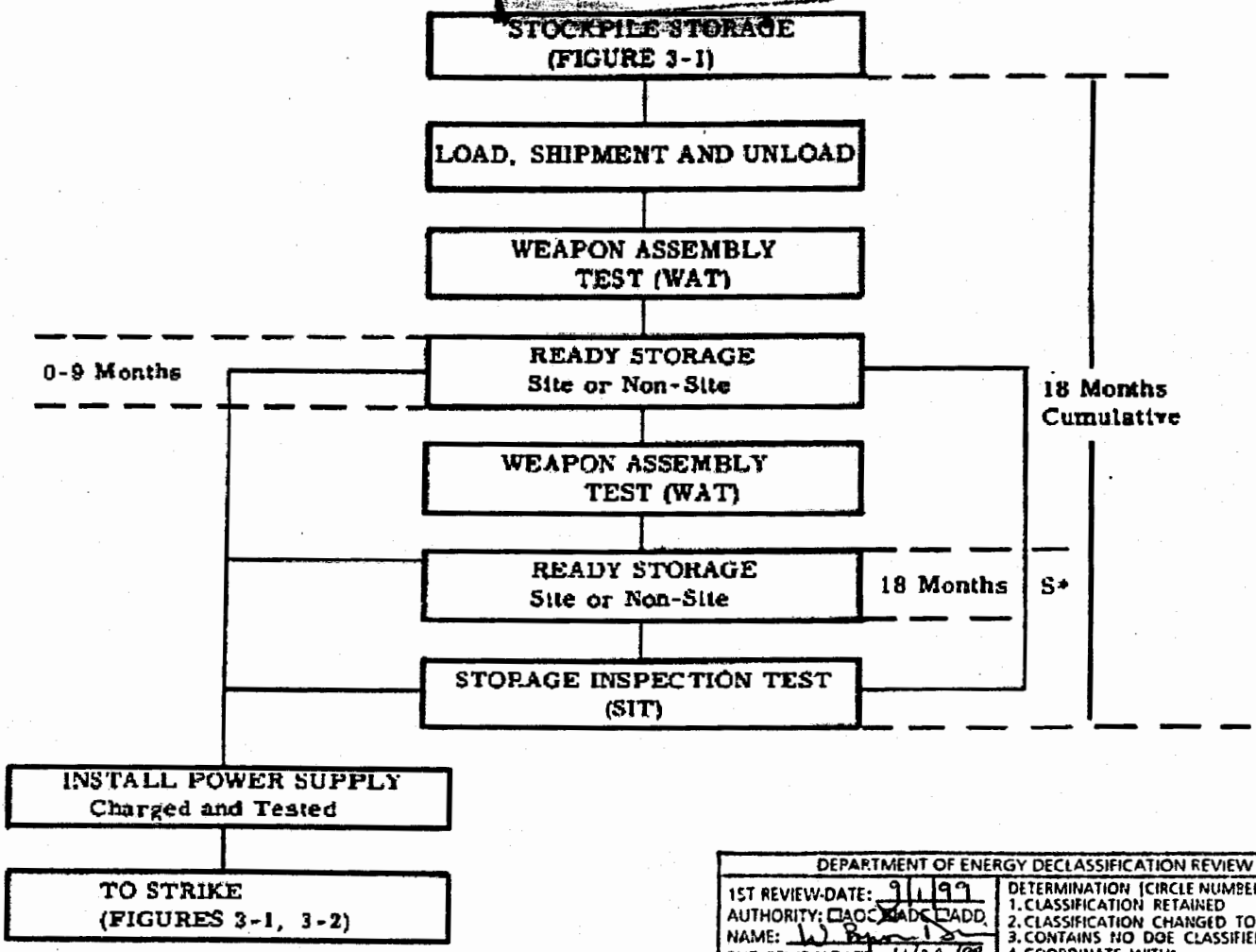

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99 AUTHORITY: ☐AOC ☒ADC ☐ADD NAME: W. Byron Dr 2ND REVIEW-DATE: 11/29/99 AUTHORITY: ADD NAME: Jim Greenwood	DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: ____ 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: ____ 5. CLASSIFICATION CANCELLED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY): ____

NOTES:

1. S* is any undefined storage time equal to or greater than 9 months, but less than 18 months.

2. All times shown date from stockpile storage or last storage inspection test (SIT), which must be performed every 18 months.

3. Movement from one storage location to another requires no testing unless a WAT is desired to put the bomb in a ready condition. A WAT is the only test that is necessary for the reacceptance of a bomb should an acceptance test be required.

4. Institution of a weapon into the storage cycle after an aborted mission requires no more preparation or testing above that required for movement of the bomb from one location to another, provided humidity protection is maintained the capsule is removed immediately.

** For Mk 15 Mod 0 Bomb only.

2- Prints Actual Size 1- File Copy RUSH!
B-15 Storage Inspect. Test SEC.

93/24 Kuor

[redacted]
This Document [redacted] defined in the Atomic En[redacted] of 1954. [redacted] disclos[redacted] to Administrative and Criminal [redacted]ons.

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MK 15 & 39 CARRIERS

AIR FORCE	NAVY
B-36 D, H & J	A3D-1 & -2
RB-36	AJ-1 & -2
B-47B & E	
B-52B	
B-66B	

(181)

[redacted] contains Restricted Data [redacted] defined in the Atom[redacted] Unauthorized disclos[redacted] to Admin[redacted] [redacted]ions.

~~SECRET~~

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Bryan [illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/29/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

SAB200167570000

99SA2013000219

SAA 200137710 000

Attachment 183

99SA20B000219-BD

Information for Requester

Pursuant to Title 10, Code of Federal Regulations, section 1004.6 (10 CFR 1004.6), the Office of Nuclear and National Security Information (ONNSI) in the Department of Energy (DOE) has completed its review of the documents responsive to your request. Twenty one documents, located in the files of the Albuquerque Operations Office, contain information properly classified Restricted Data . Those few portions of the documents that are not classified are so inextricably intertwined with the classified information that removal of the classified information would result in the release of no meaningful information. We are, therefore, denying the subject documents in their entirety.

Title 5, United States Code, section 552(b)(3) (5 U.S.C. 552(b)(3)) (exemption 3), exempts from disclosure information "specifically exempted from disclosure by statute (other than section 552(b) of this title), provided that such statute (A) requires that the matters be withheld from the public in such a manner as to leave no discretion on the issue, or (B) establishes particular criteria for withholding or refers to particular types of matters to be withheld . . . ." The Atomic Energy Act (AEA) of 1954, as amended, 42 U.S.C. 2011 et seq., is an exemption 3 statute. Sections 141-146 of this Act (42 U.S.C. 2161-2166) prohibit the disclosure of information concerning atomic energy defense programs that is classified as Restricted Data (RD) pursuant to the AEA. The portions deleted from the subject documents pursuant to exemption 3 contain information about weapon design and illegible information that has been classified as RD. Disclosure of the exempt data could jeopardize the common defense and the security of the nation.

To the extent permitted by law, the DOE, pursuant to 10 CFR 1004.1, will make available records it is authorized to withhold under the Freedom of Information Act (FOIA) whenever it determines that such disclosure is in the public interest. With respect to the

information withheld from disclosure pursuant to exemption 3, the DOE has no further discretion under the FOIA or DOE regulations to release information currently and properly classified pursuant to the AEA.

Pursuant to 10 CFR 1004.6(d), Mr. Roger K. Heusser, Director, ONNSI, is the official responsible for the denial of the DOE classified information.

Pursuant to 10 CFR 1004.8, the denial of a FOIA request may be appealed, in writing, within 30 days after receipt of a letter denying any portion of the request, to the Director, Office of Hearings and Appeals, Department of Energy, 1000 Independence Avenue, SW., Washington, D.C. 20585. The written appeal, including envelope, must clearly indicate that a Freedom of Information appeal is being made, and the appeal must contain all other elements required by 10 CFR 1004.8. If other agencies have denied information within this response, DOE will coordinate the appeal with those agencies. Judicial review will thereafter be available to you in the District of Columbia or in the district where: (1) you reside, (2) you have your principal place of business, or (3) the Department's records are situated.

SAA20013772 0000

Attachment 184

99SA20B000219-BD

OpenNet Requirements

All documents declassified and publicly releasable on or after October 1, 1994, must have bibliographic information made available to be entered into the Department of Energy (DOE) OpenNet database. The minimum requirements are as follows:

1) Accession number to uniquely identify the document
2) Title of the document
3) Location of the document (where the public can obtain a copy)
4) Originating organization
5) Document type (memo, letter, report, etc...)
6) Declassification status (declassified, sanitized, never classified, etc...)

Software that is compatible with the OpenNet is available from Office of Scientific and Technical Information and may be obtained by calling Mr. Barry Steele at (423) 576-9372.

If you are currently maintaining an electronic card file, please contact Mr. Steele at (423) 576-9372 to arrange downloading of the data into the proper format for OpenNet.

A copy of each declassified document as well as a floppy disk containing the required bibliographic information must be sent to the DOE public reading room. Additional information regarding OpenNet may be obtained from Mr. Dan Young at (301) 903-9970.