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Restricted

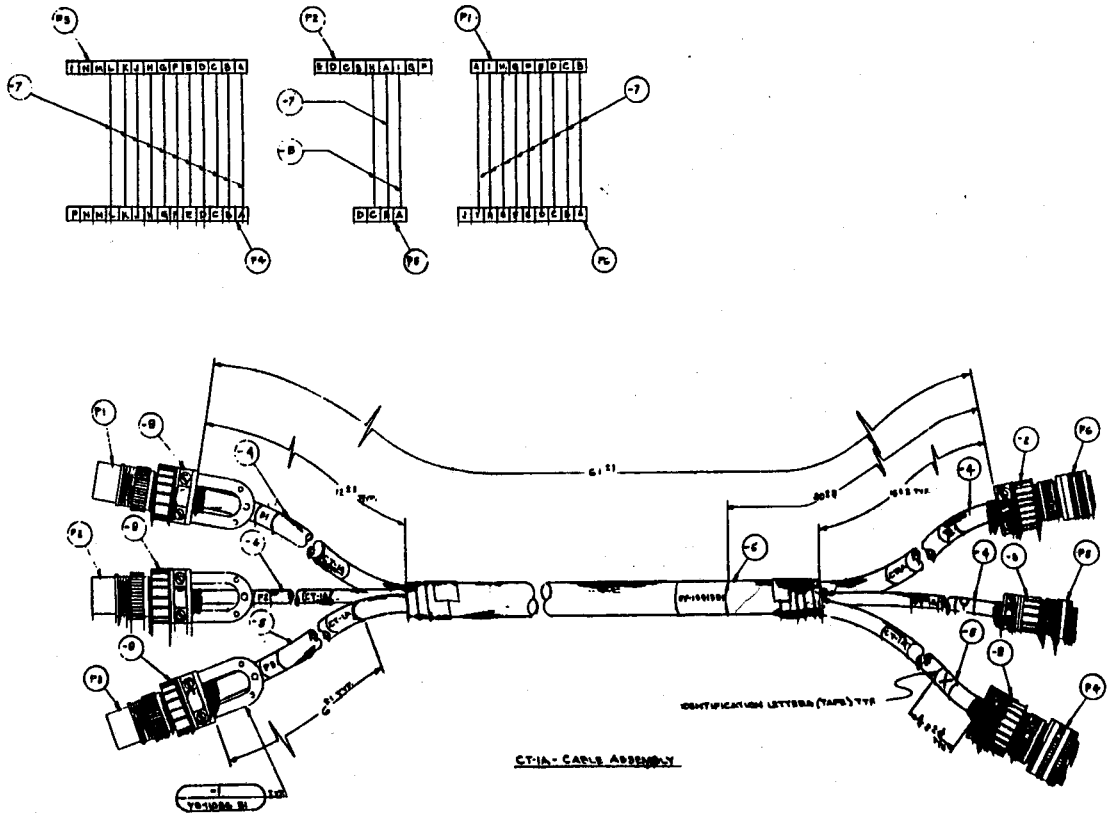


Figure 10

[redacted]

NATIONAL SECURITY INFORMATION
Unauthorized Disclosure Subject to Criminal Sanctions.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 9/2/99
AUTHORITY: DAOC DADC DADD
NAME: W. Bryan
2ND REVIEW-DATE: 11/22/99
AUTHORITY: ADD
NAME: Jim Greene

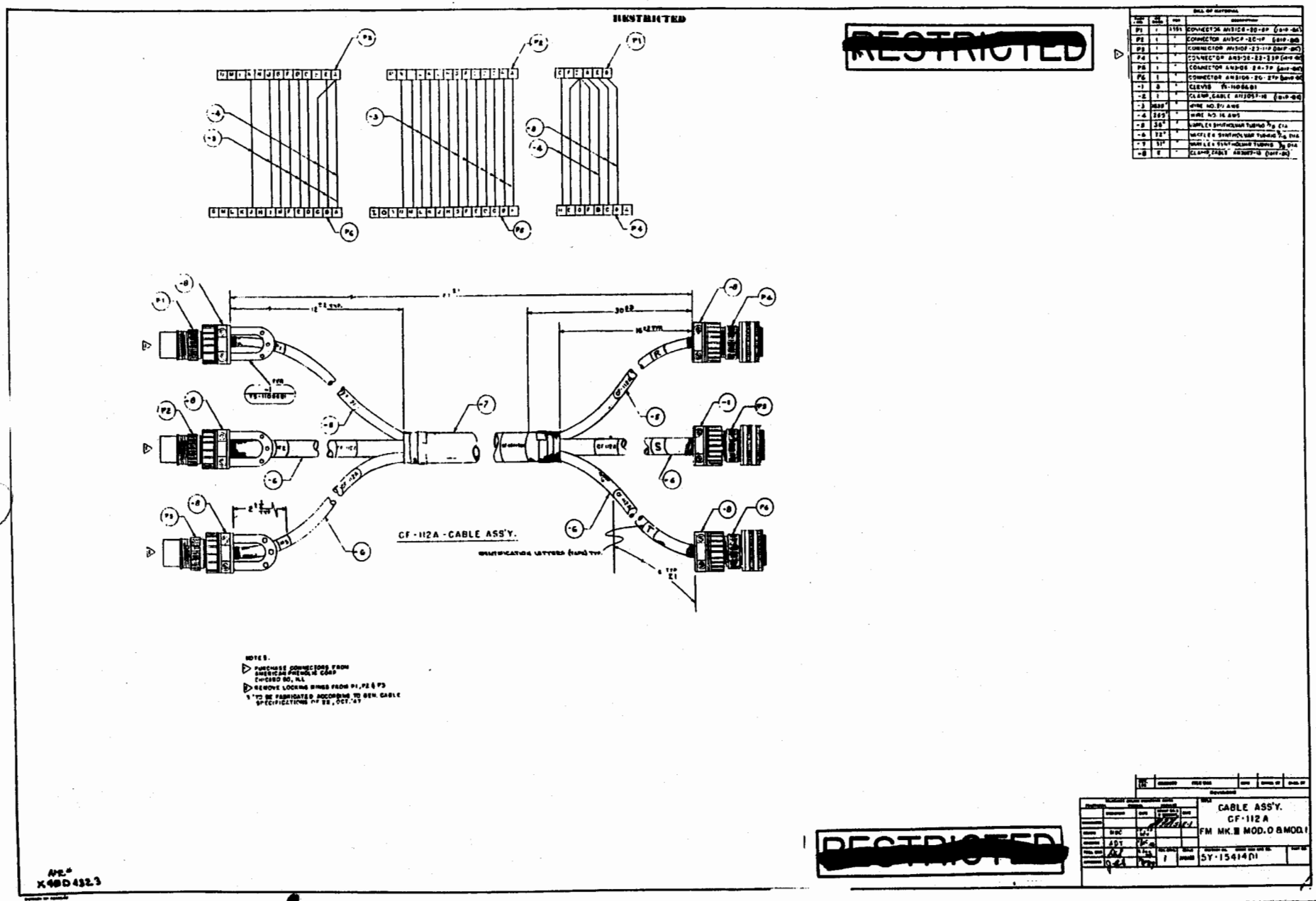
DETERMINATION [CIRCLE NUMBER(S)]
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH:
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):

9954260000219

SAB2001656500

[redacted]

RESTRICTED



[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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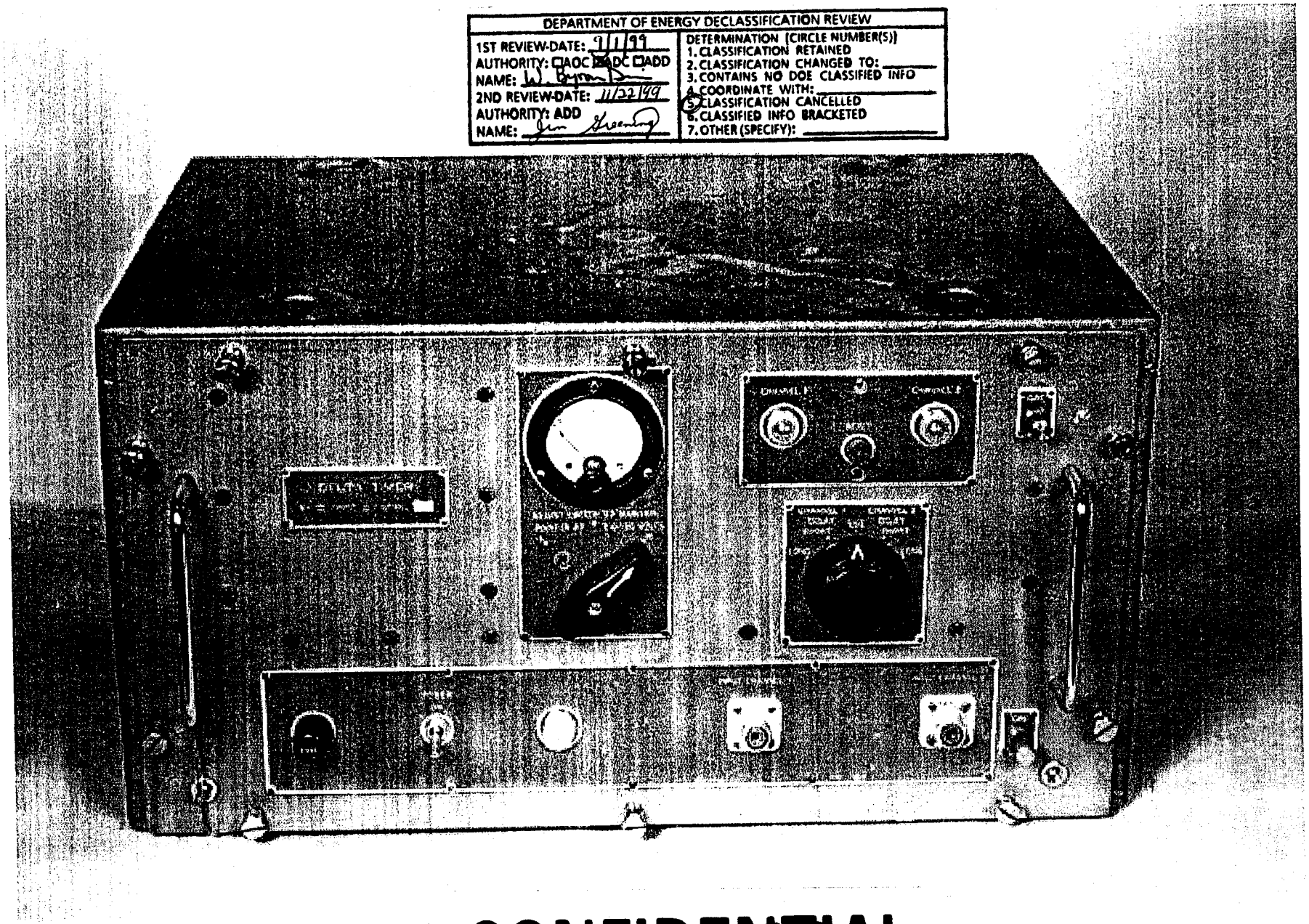
~~CONFIDENTIAL~~

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 Dr	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greening	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):



~~CONFIDENTIAL~~

~~NATIONAL SECURITY INFORMATION~~

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

Delta Timer – MKIII Mod 0

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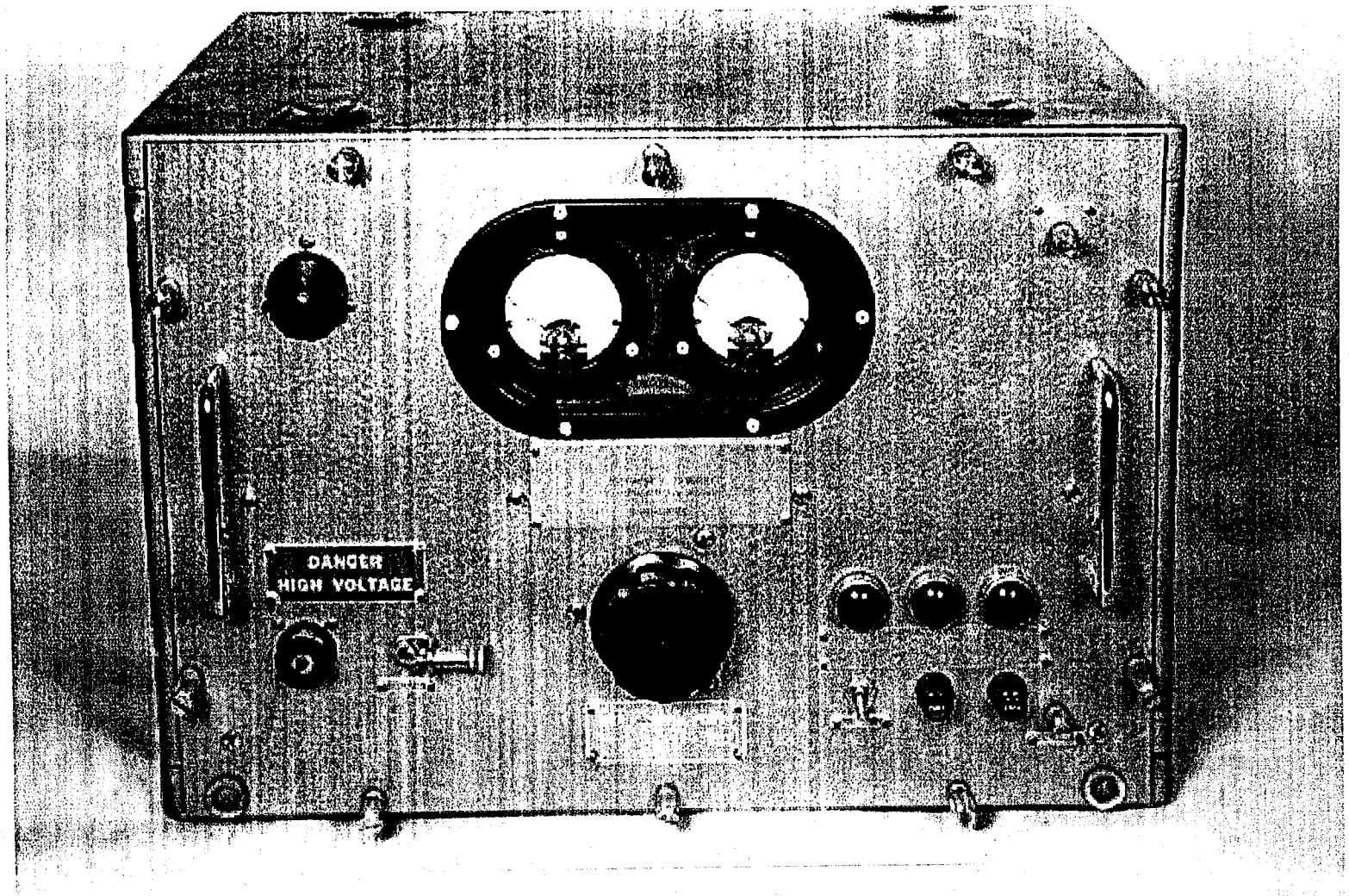
DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99 AUTHORITY: ☐ADC ☒ADC ☐ADD NAME: W. Byron Dr 2ND REVIEW-DATE: 11/22/99 AUTHORITY: ADD NAME: Jim Greenwood	DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: ____ 3. CONTAINS NO DOE CLASSIFIED INFO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

~~CONFIDENTIAL~~



~~CONFIDENTIAL~~

~~NATIONAL SECURITY INFORMATION~~

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

~~Official Use Only~~ High Potential Tester MKII MOD 1

25

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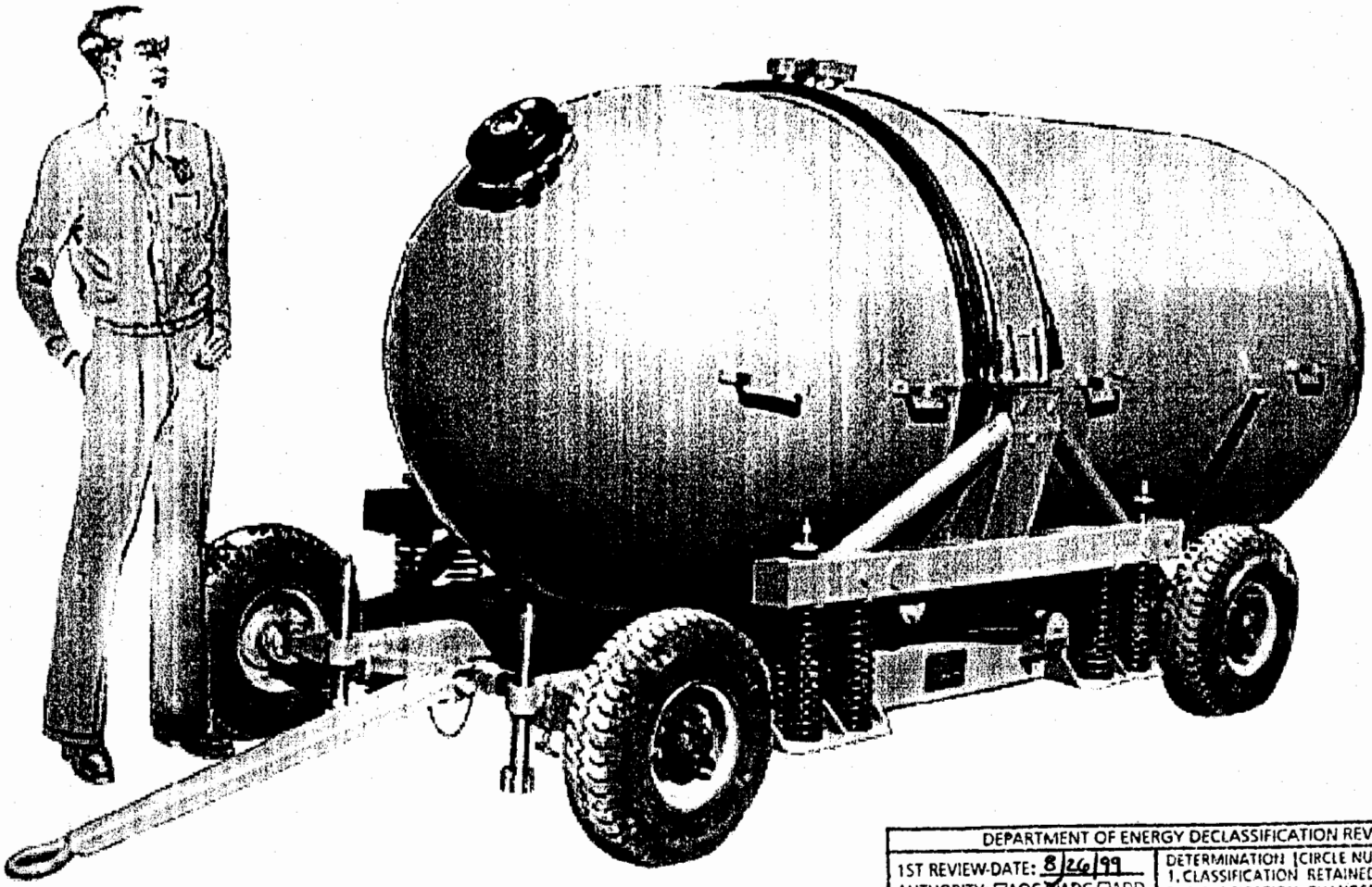
~~CONFIDENTIAL~~



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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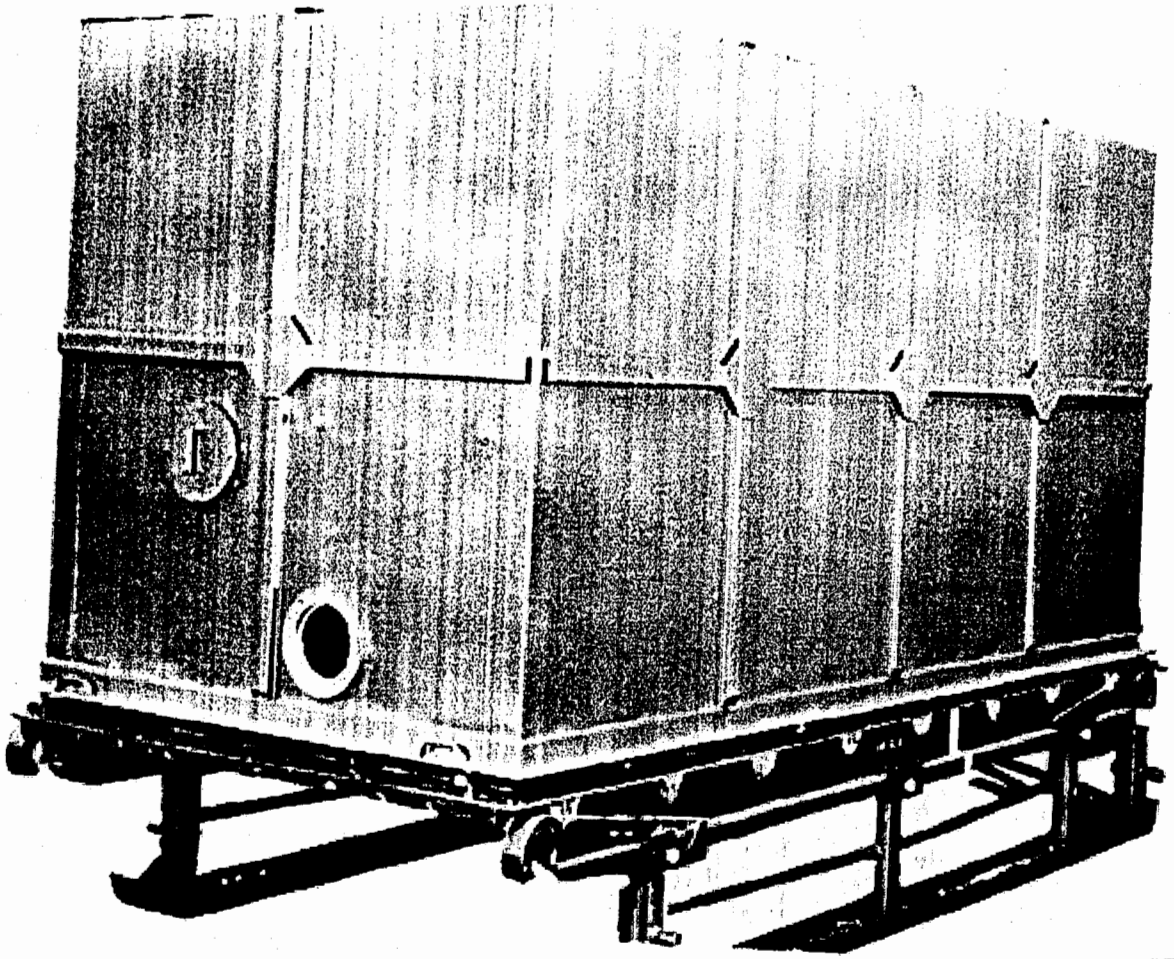
~~CONFIDENTIAL~~



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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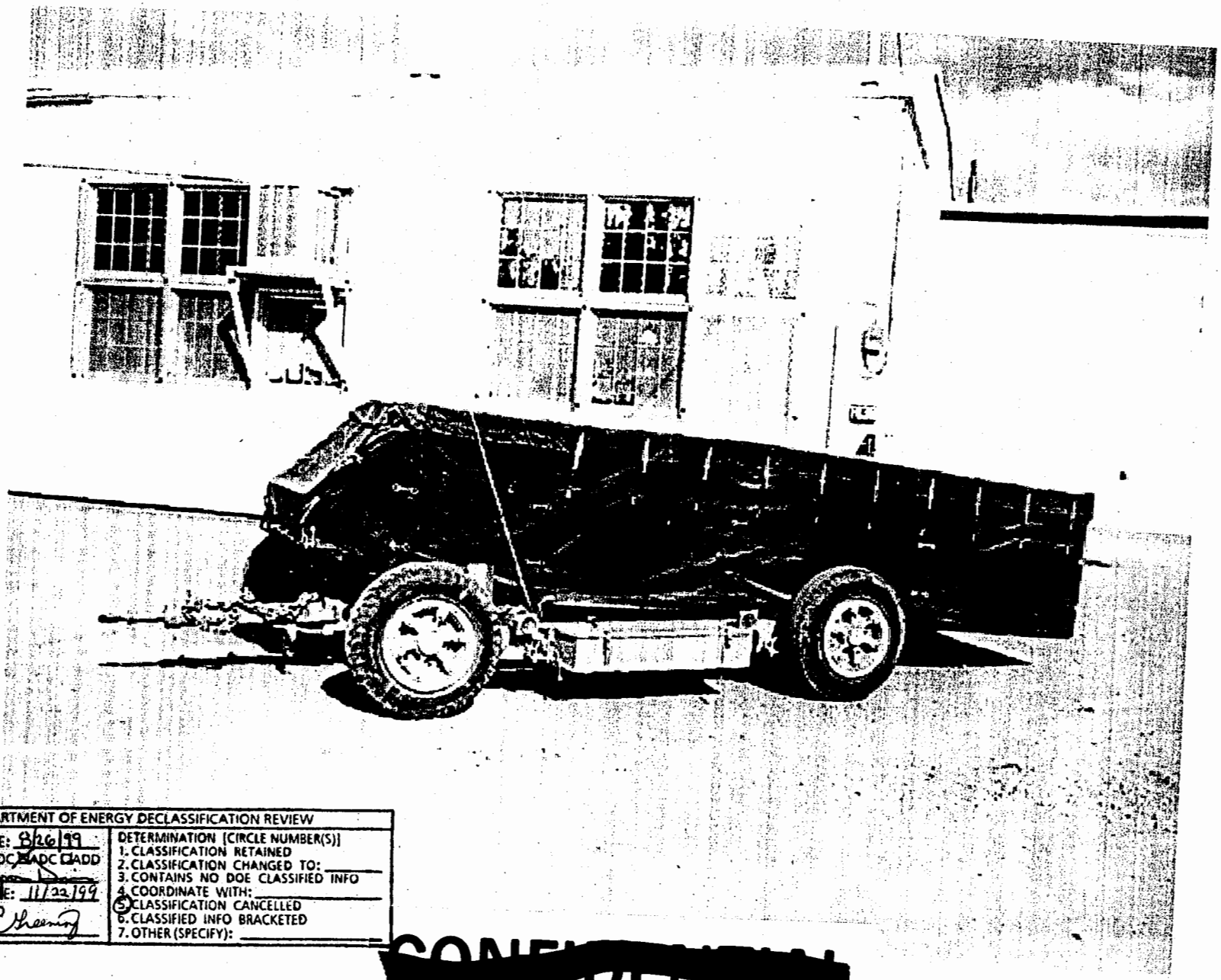

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/26/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Bryan Dunn	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: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

~~CONFIDENTIAL~~

NATIONAL SECURITY INFORMATION

Unauthorized Disclosure subject to Administrative and Criminal Sanctions.

~~Official Use Only~~ H-65 Security Cover for MK-7

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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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~~OFFICIAL USE ONLY~~

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	
1ST REVIEW-DATE: 8/26/99 AUTHORITY: ☐OC ☒ADC ☐ADD NAME: W. Bryan Dow 2ND REVIEW-DATE: 11/22/99 AUTHORITY: ADD NAME: Jim Heaney	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): ____

~~NATIONAL SECURITY INFORMATION~~

Unauthorized Disclosure Subject to Administrative and Criminal Sanctions.

068855, 065-4763 Convoy w/ Units

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

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D65-4763 D68856

Convoy w/units

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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. Byrne	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/19/99	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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Unauthorized Disclosure sub
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D65-4763, D68892
Hansen - gauge mount for MK-5

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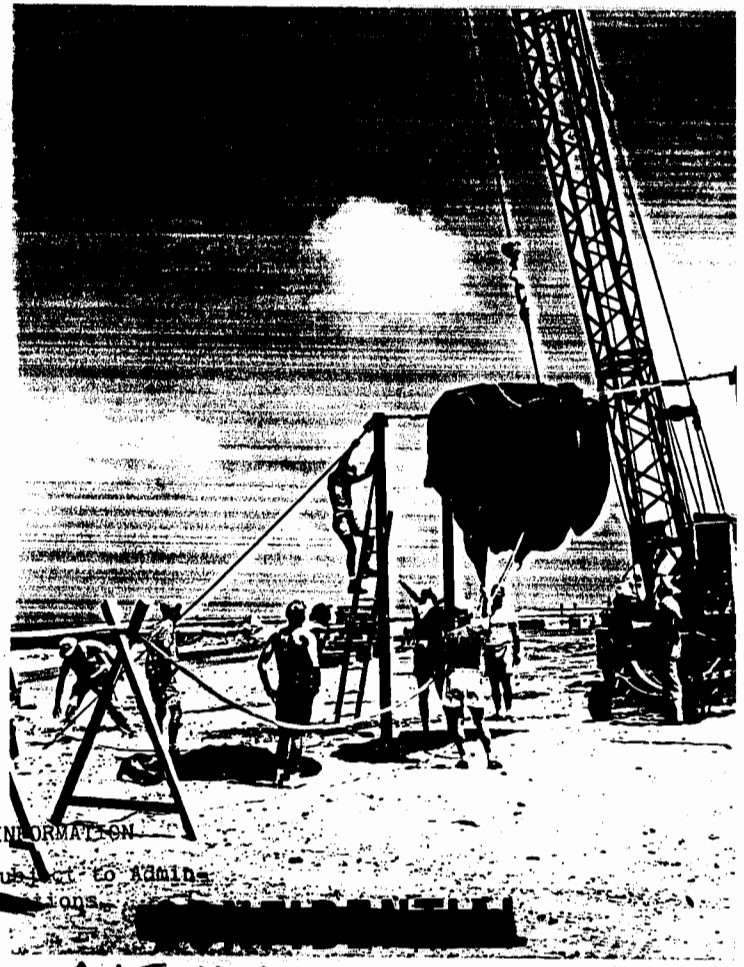

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/26/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE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

~~NATIONAL SECURITY INFORMATION~~

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D65-4763, D-68944
Lifting Unit MK 5

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DAB200165770000

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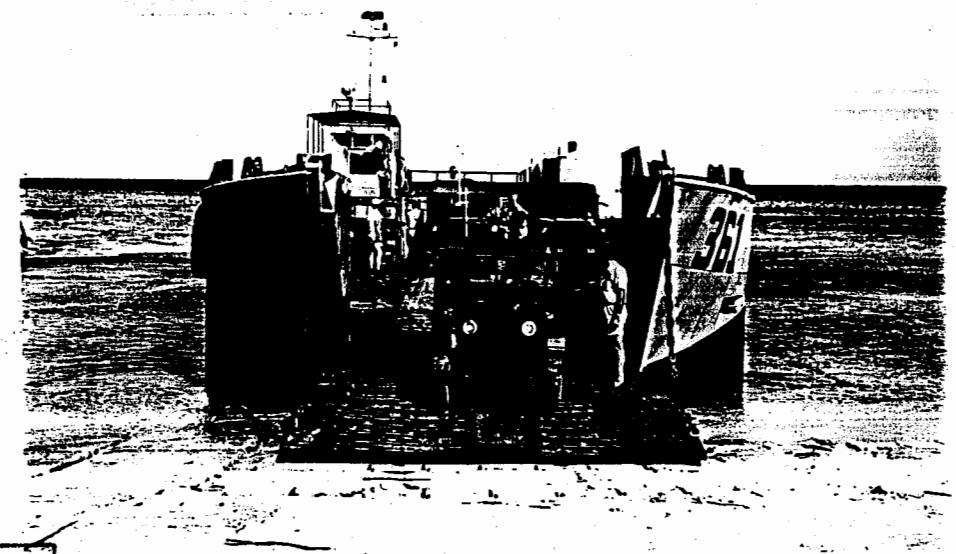

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/26/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dr	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: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

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

NAT[redacted]RMATION

Unauthori[redacted]subject to Admin-
istra[redacted] and Criminal Sa[redacted]

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[redacted]

SAB200165780000

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

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

(D65-4763) D-69206 Cherokee Convoy, D-1

NATIONAL SECURITY INFORMATION

~~Unauthorized Disclosure Subject to Administrative and Criminal Sanctions~~ Leaving Site Elmer

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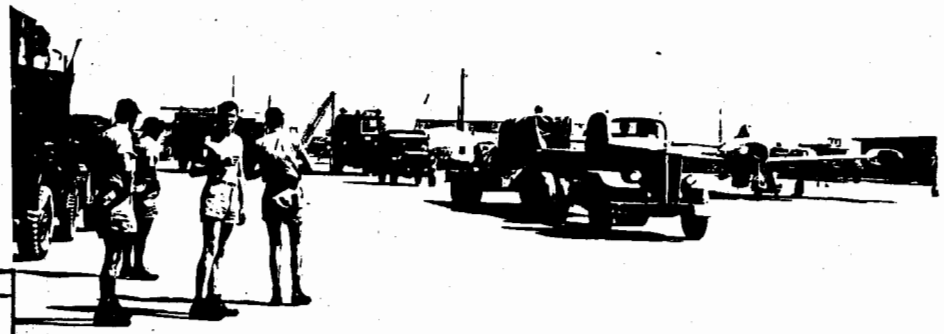


DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/26/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dr	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: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

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

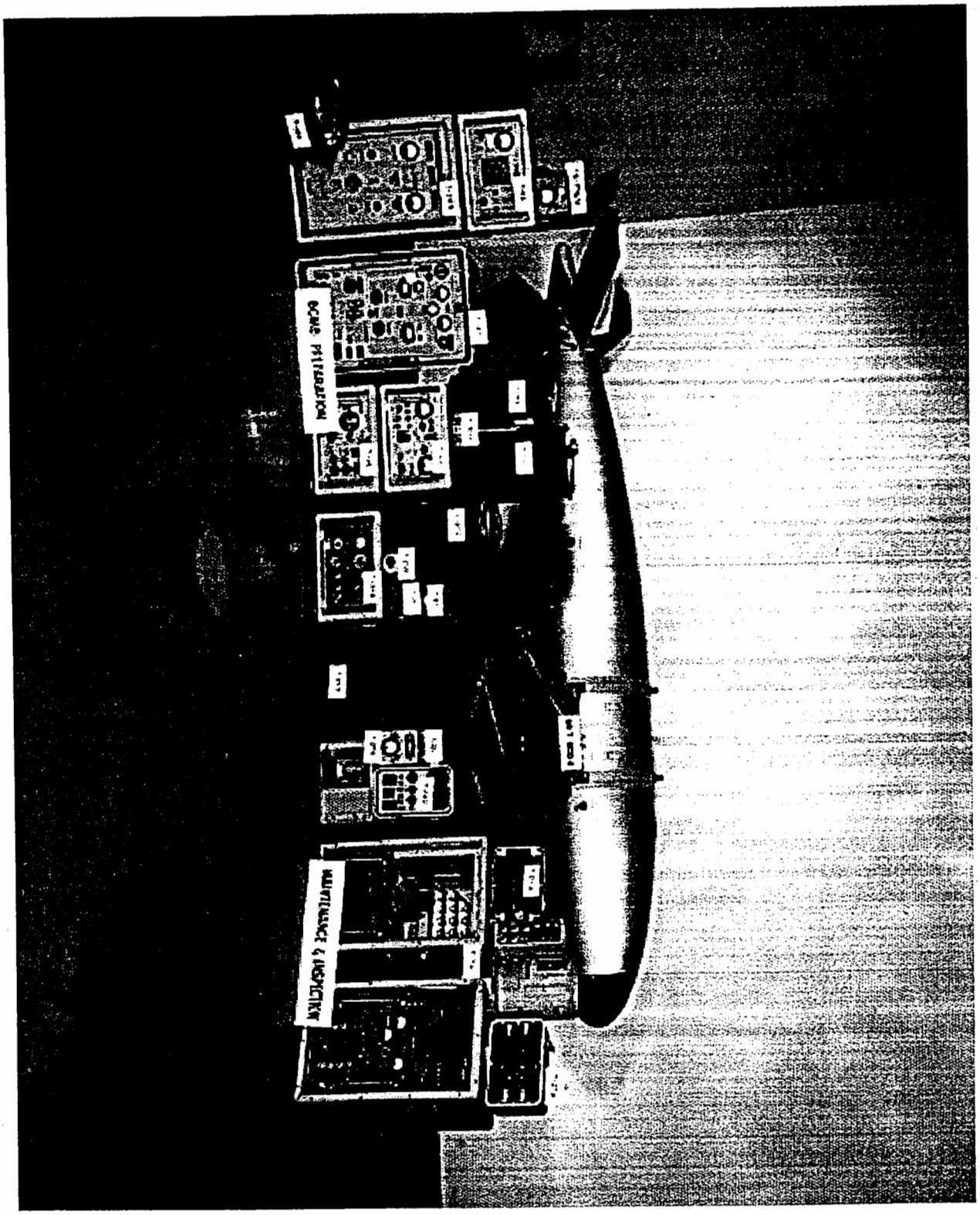
~~NATIONAL SECURITY INFORMATION~~

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

~~CONFIDENTIAL~~

(36)

RESTRICTED DATA
This document contains [illegible] in the Atomic Energy Act of [illegible]. Unauthorized disclosure subject to Administrative and Criminal Sanctions.



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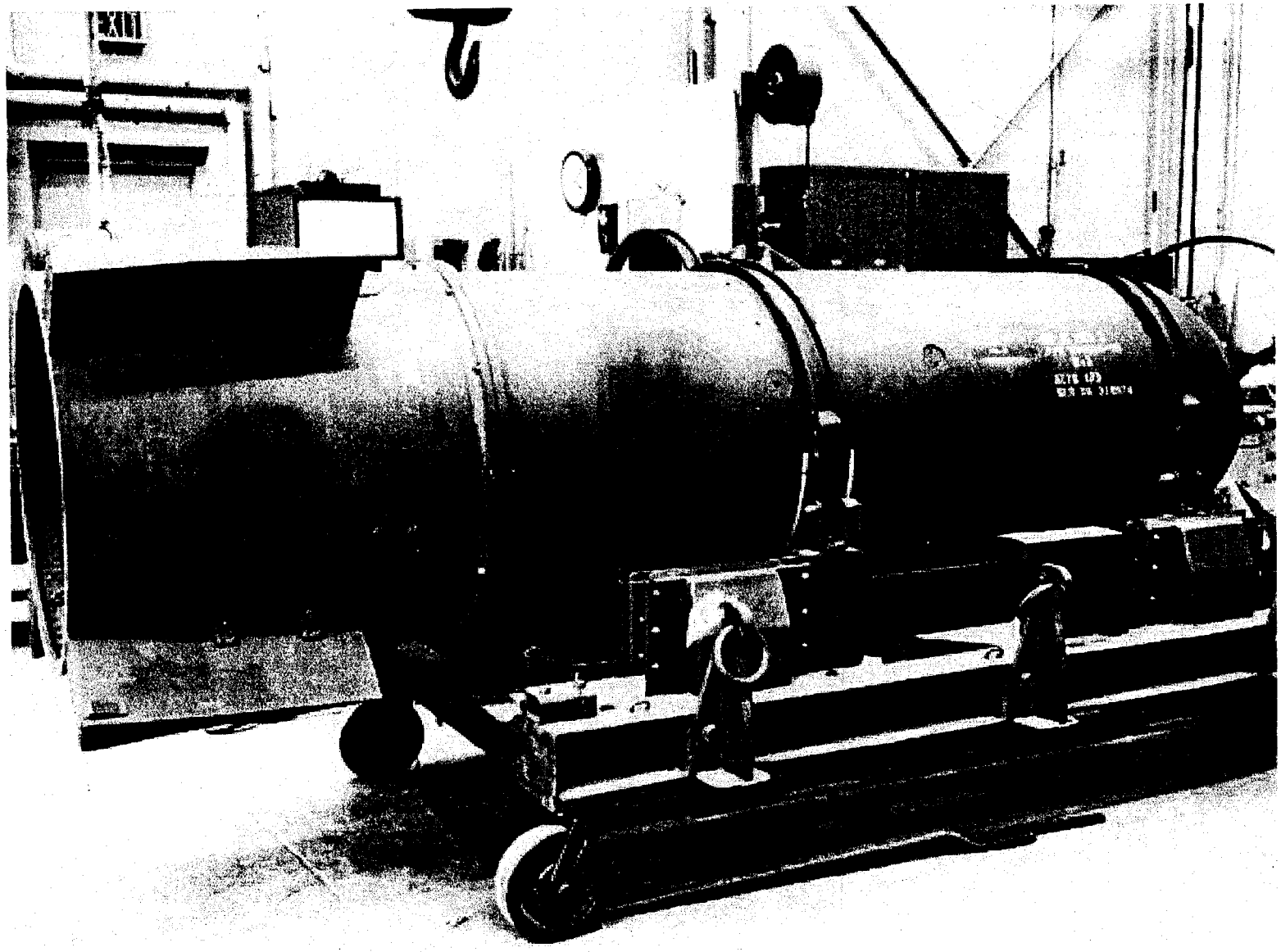
SECRET

C836

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 8/27/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ADC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Da[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greening	(5) CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

~~SECRET~~



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

SAB 200105 01000

995A20B000219

~~RESTRICTED DATA~~

This document contains ~~Re~~ ~~s~~ defined in the Atomic Energy ~~Act~~ ~~Unauthor~~ ~~disclosure~~ subject ~~to Administrative~~ and Criminal Sanctions.

~~SRD~~ MK-5 MOD 2

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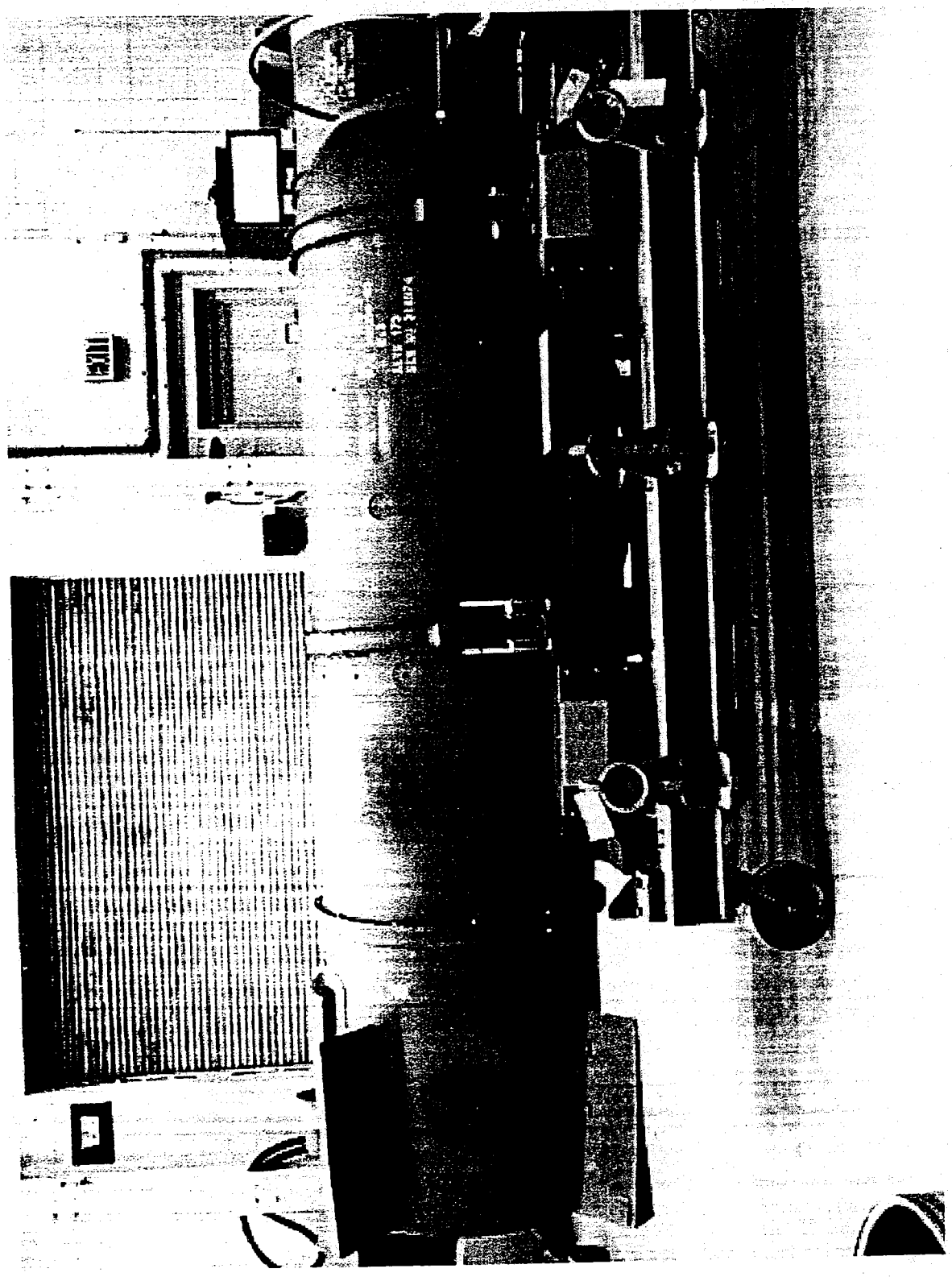
D61-19435

D61-19439

SECRET



SECRET

~~SRD~~ MK-15 MOD 2

~~R[redacted]DATA~~

~~This doc[redacted]ontains Restricted Data as[redacted]ned in the Atomic Energy Act [redacted]rized disclosure subject[redacted]ministrative and Criminal Sanctio[redacted]~~

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 Davis	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	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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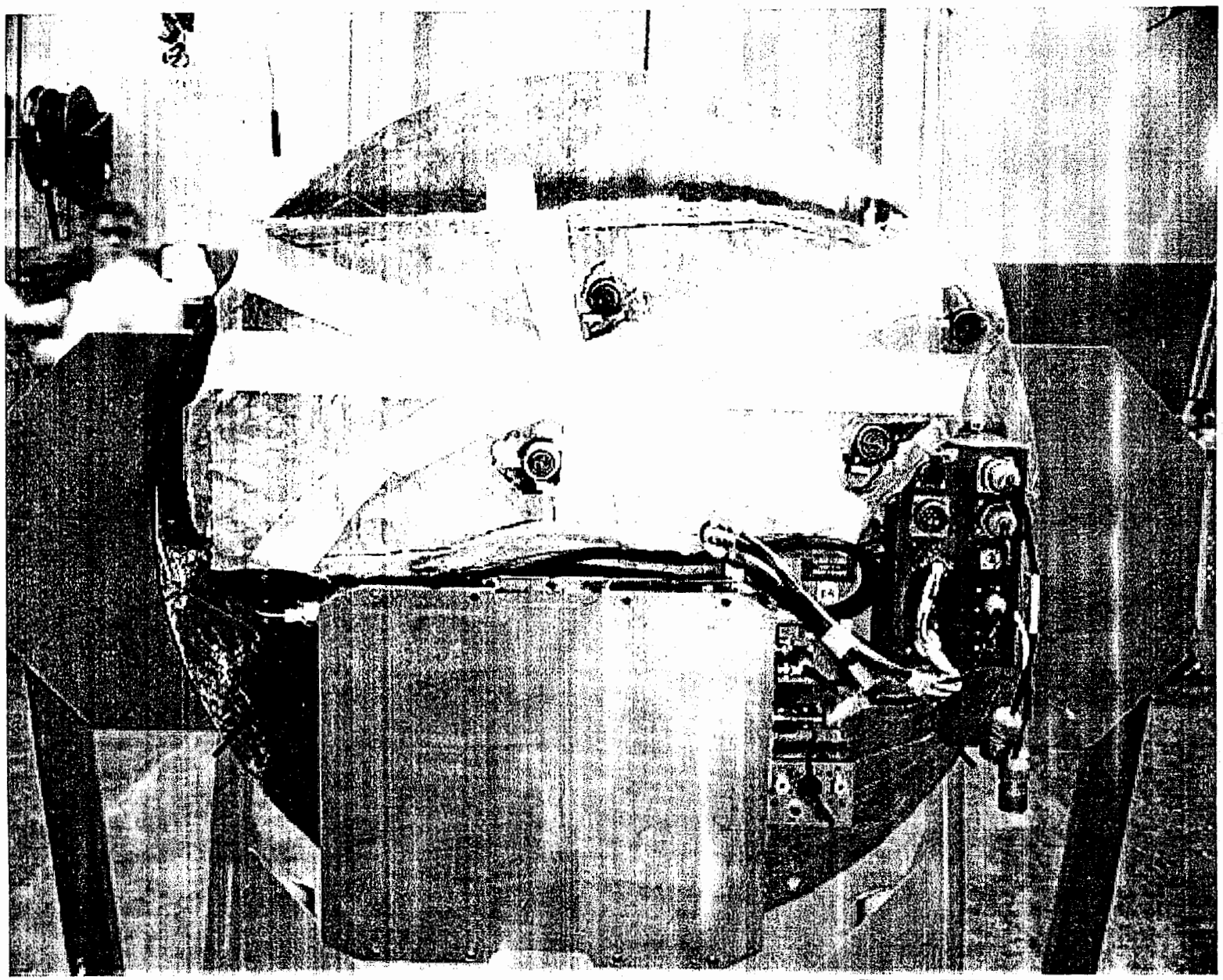

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This doc[redacted]ntains Restricted Data as defined in the Atomic Energy Act of [redacted] Unauthoriz[redacted]sclosure [redacted]

[redacted]

[redacted]D Battery w/insulation on MK15

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ADC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Bryan	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/19/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED

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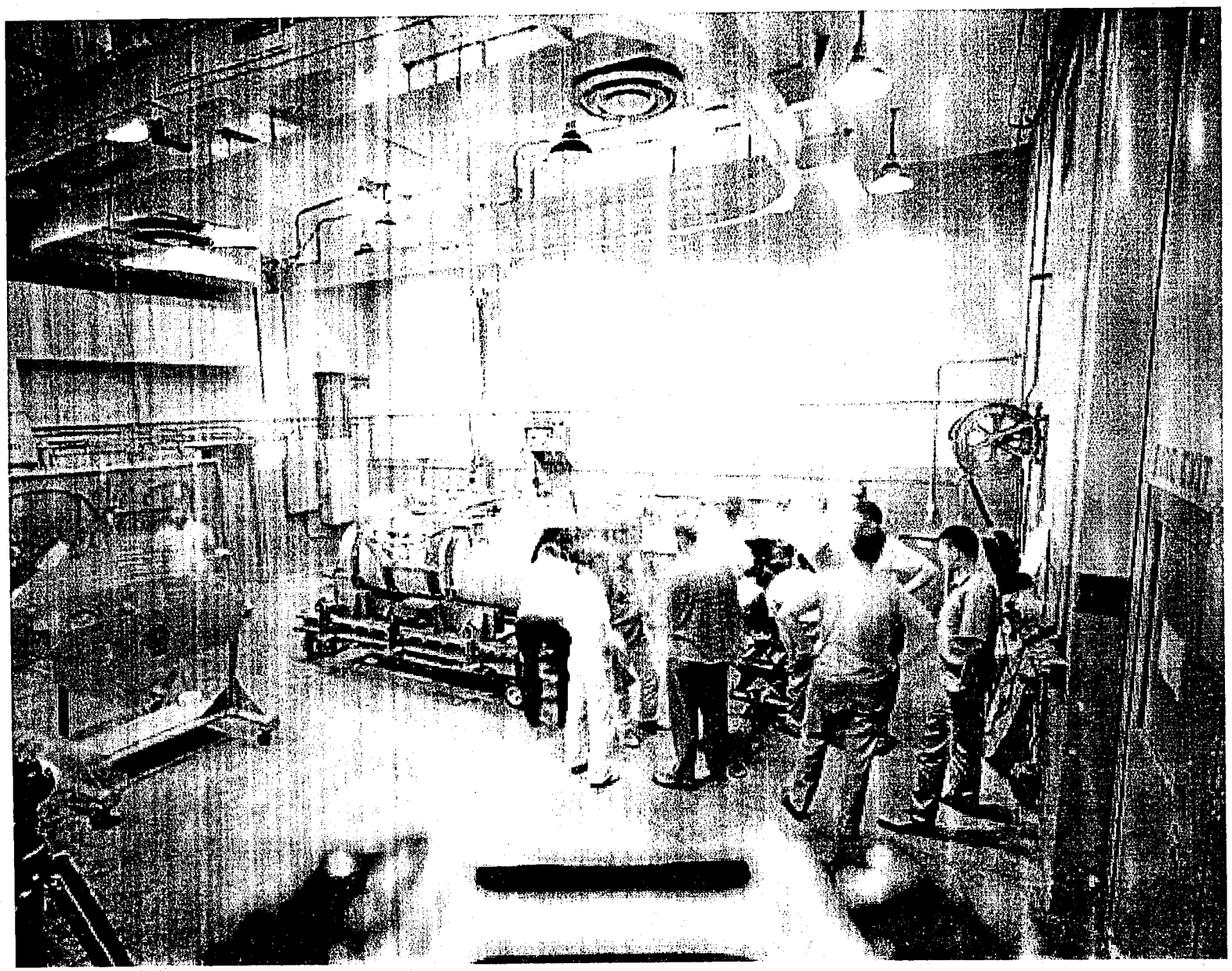

~~RESTRICTED DATA~~

~~This document contains Restricted Data as defined in the Atomic Energy [illegible] Unauthorized disclosure subject to Administrative and Criminal Sanctions.~~

~~CONFIDENTIAL~~

~~GPO~~ Working on MK15 in Sandia Bay

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 Davis	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/19/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED

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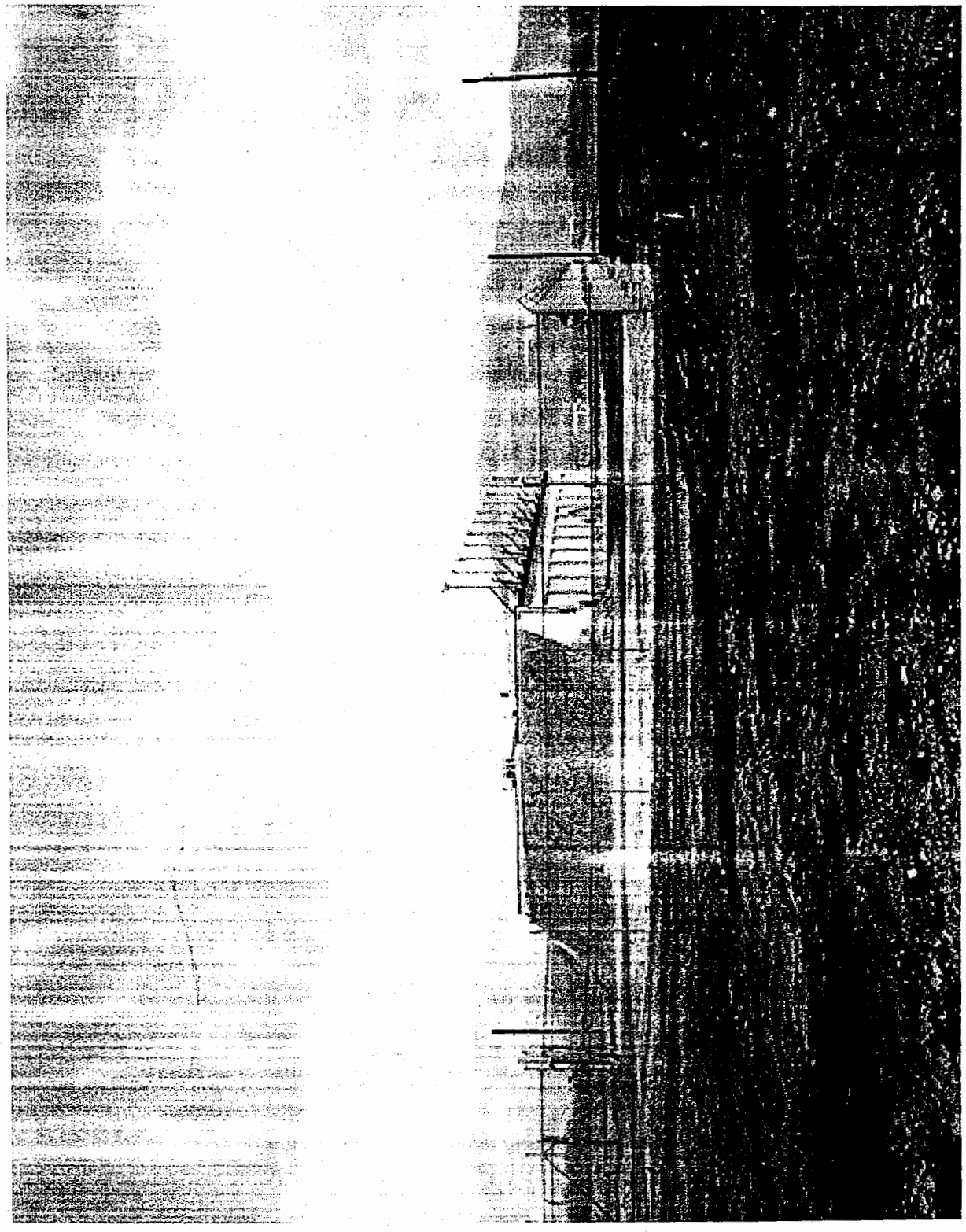

[redacted] document contains Restri[redacted] as defined in the Atomic [redacted] Act of [redacted]4. Unauthorized disclosure subject to Adm[redacted] Sanctions.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/30/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Bryan Dr[illegible]	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): ____

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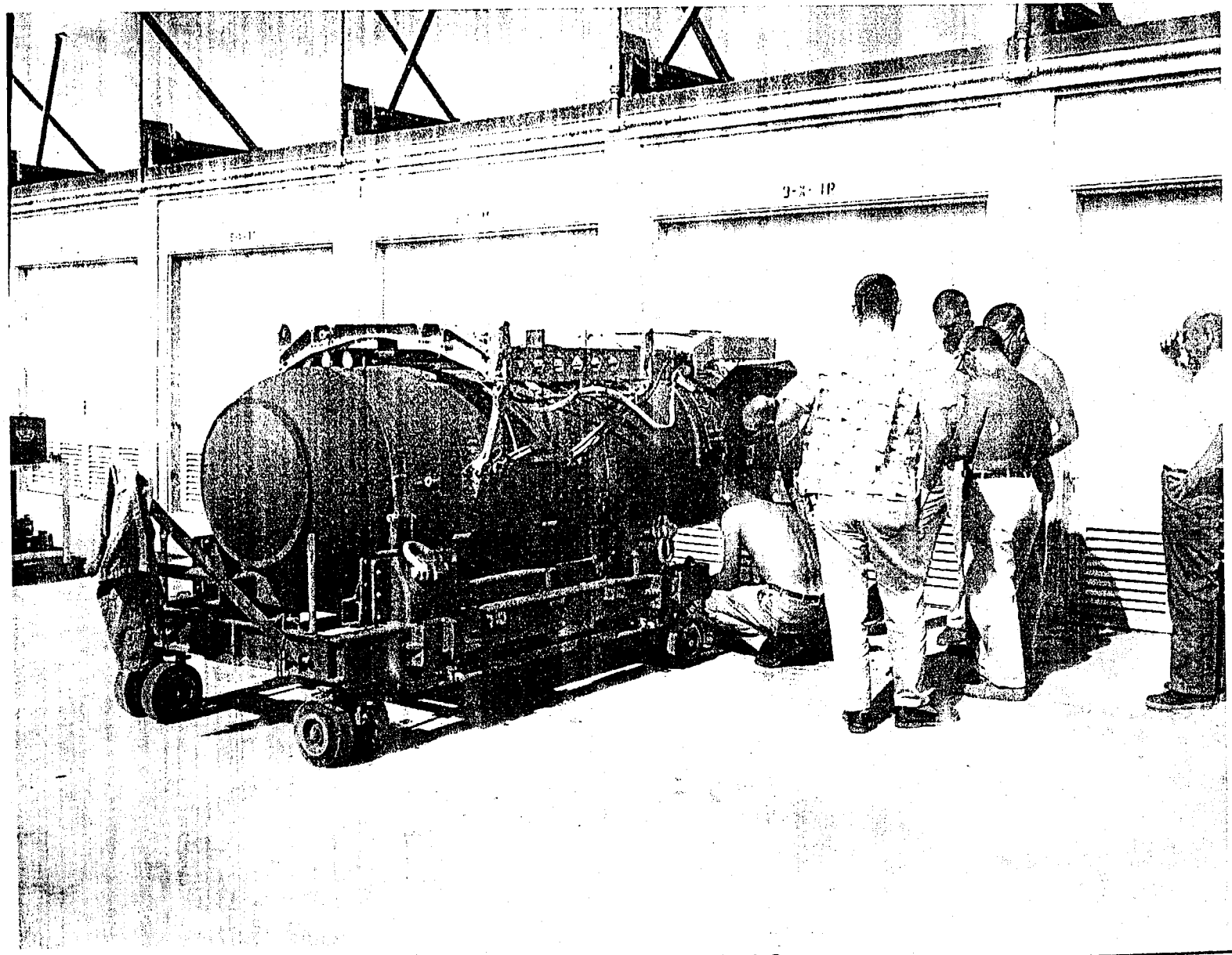

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~~CRD-~~ B 36 Checkout at Igloo BP

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 Dr	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	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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Atomic [redacted] disclosure

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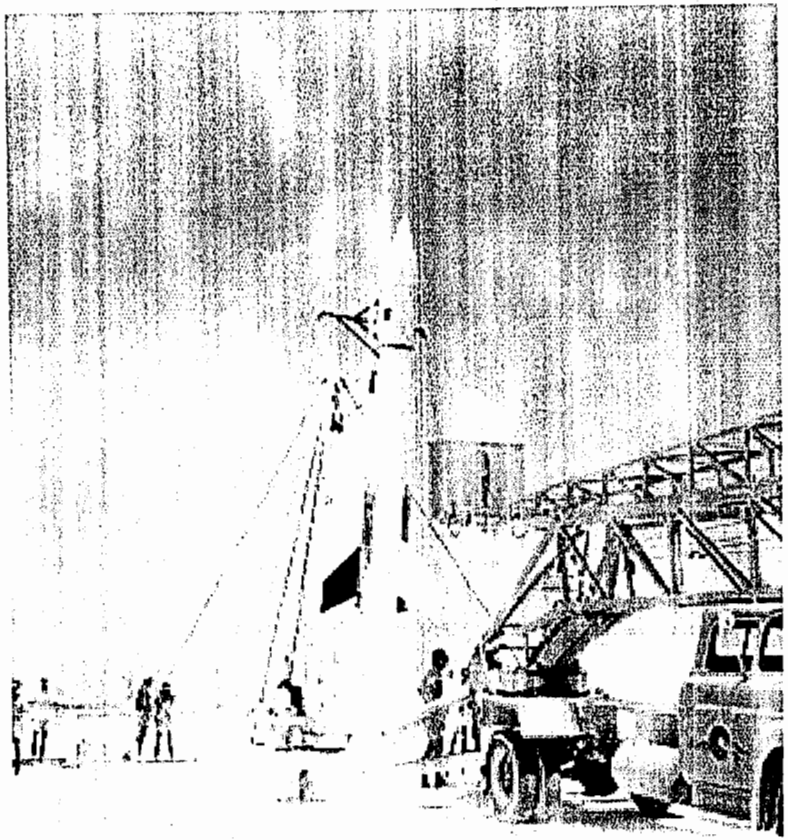
[redacted]



[redacted] Hydraulic Hoist on Strypi Pad

[redacted]

Th[redacted] in the
Atomic Ener[redacted]ure
s[redacted]tive and Criminal [redacted]

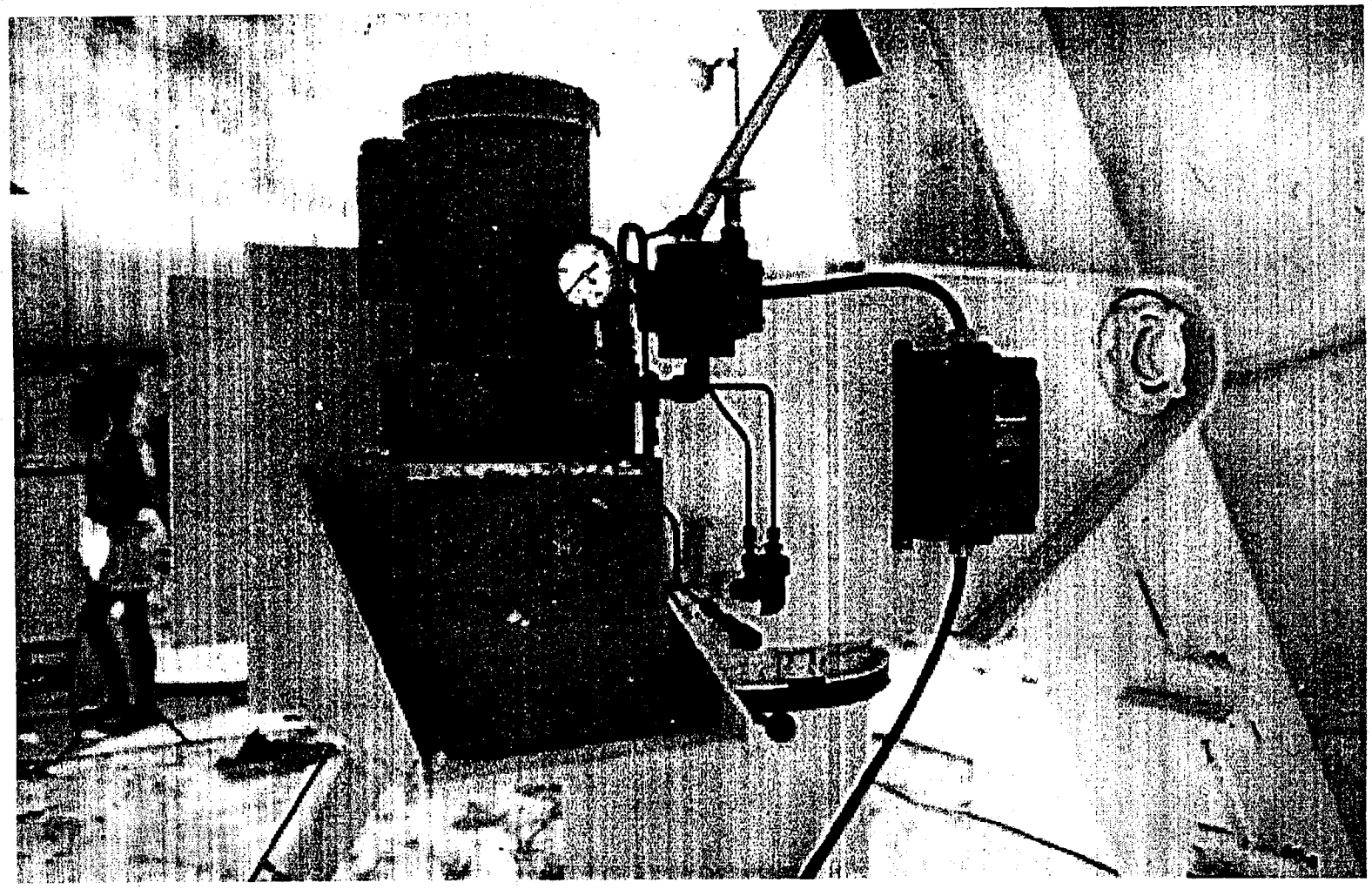
C[redacted]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/30/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: [redacted]	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: Jim Greeney	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

99SA20B000219

SAB200165890000

~~SECRET~~



~~SECRET~~

~~SRD~~ Hydraulic Mechanism

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/30/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ADC ☒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 Greening	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): ____

[redacted] RESTRICTED DATA [redacted] in the
This document [redacted]
At[redacted]
subj[redacted]strative and Criminal Sanctions.

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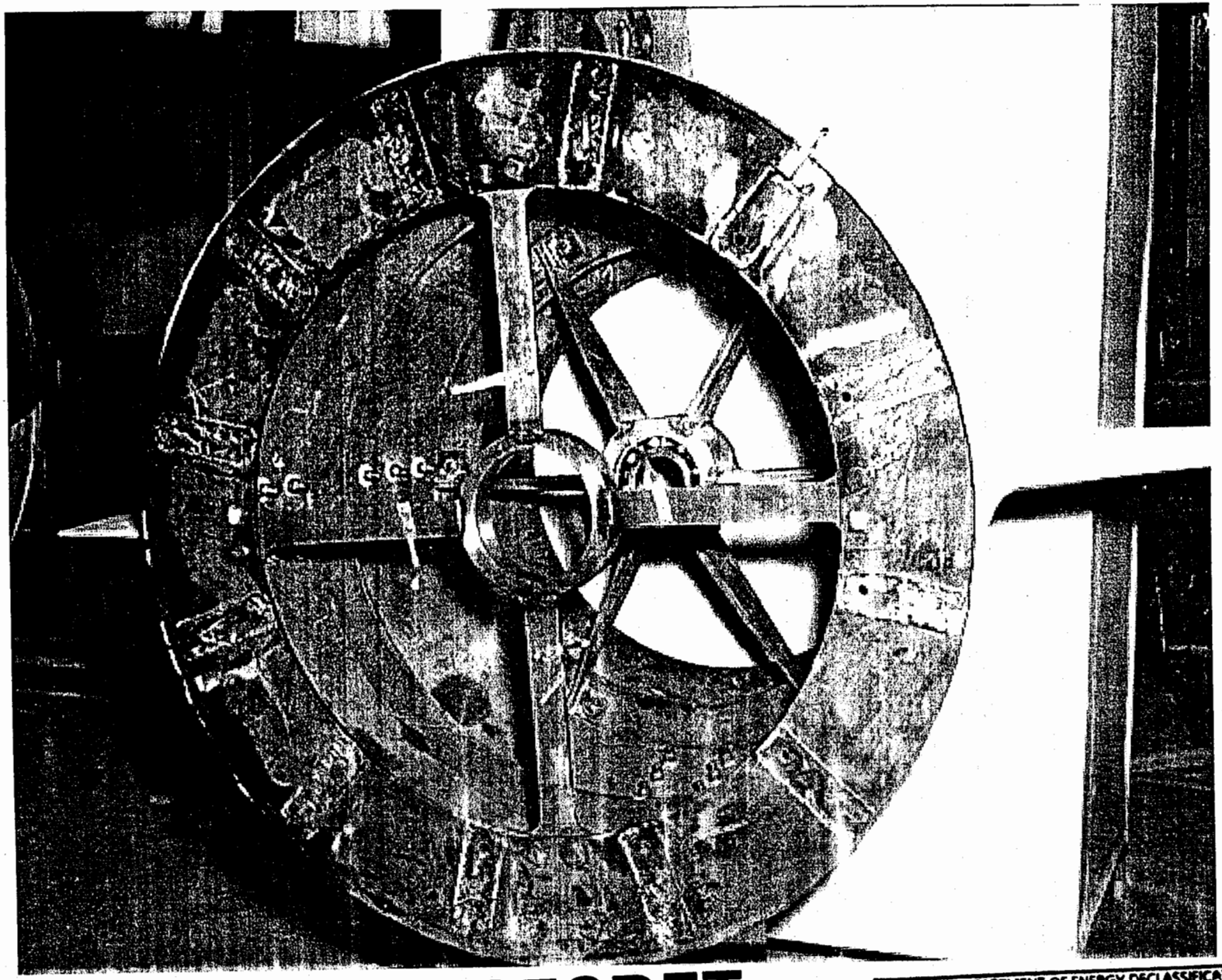
~~SECRET~~



~~RESTRICTED DATA~~

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

~~SECRET~~

~~Secret Restricted Data~~ MK-4 Unit (Rear View of Rotating Fin)

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 Dr	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
	7. OTHER (SPECIFY):

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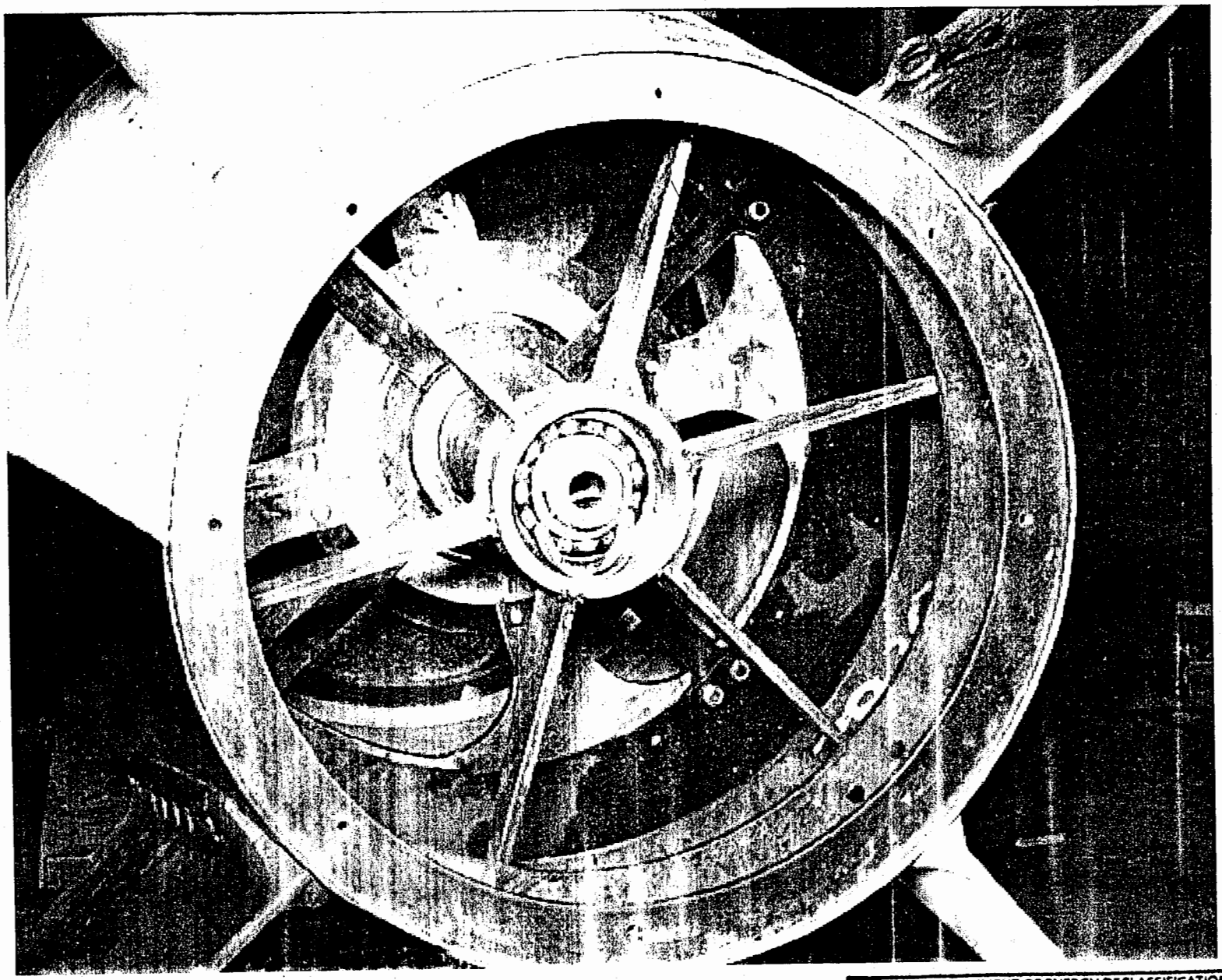

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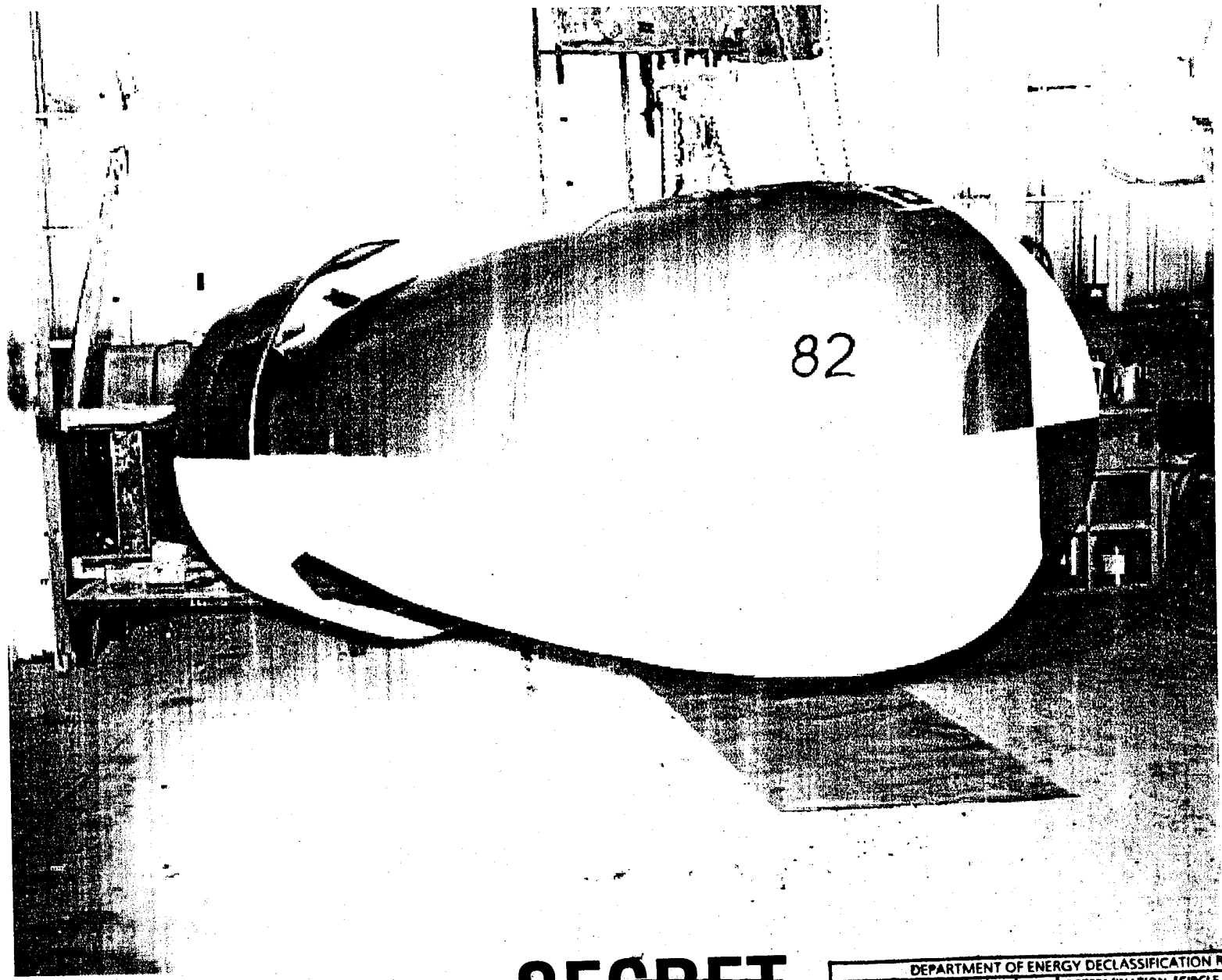
[redacted]

~~SECRET~~

~~SRD~~ MK-4 Unit (Rear installation to forward section.)

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: Jim Greeney	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

~~SECRET~~



~~SECRET~~

RESTRICTED DATA

[redacted] Restricted D[redacted] the
Atomi[redacted]orized disclosure
[redacted] to Administrative and Chi[redacted]

~~SRD~~ MK-4 Unit (minimum finn area with shroud)

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
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenfield	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

(48)

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Mk-4 Circular Shroud Tail.

S RD

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This document contains [redacted] Data [redacted] in the Atomic Energy [redacted] disclosure [redacted] to Administrative and Criminal Sanctions.

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: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greening	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

(49)

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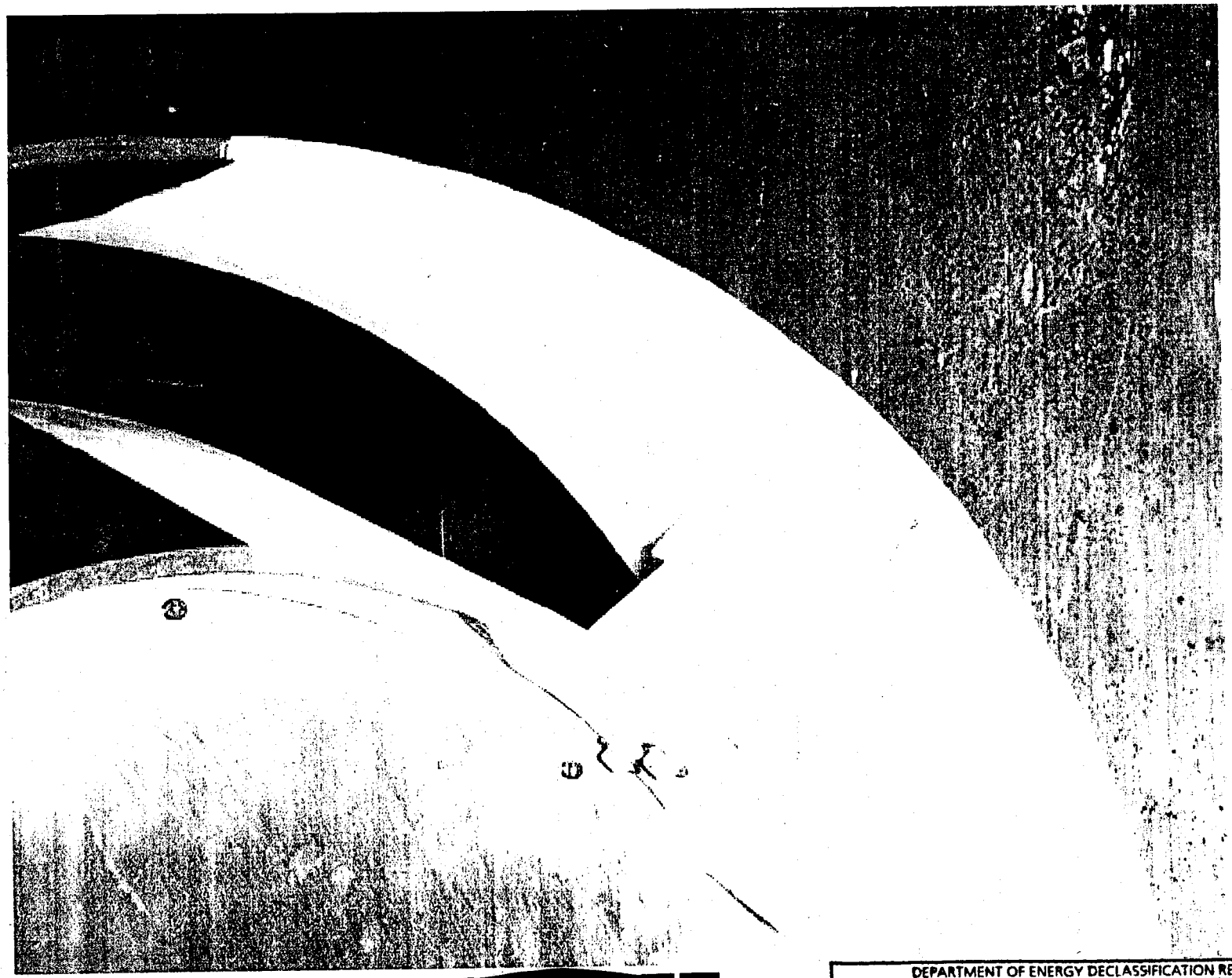

~~RESTRICTED DATA~~

~~This document conta[illegible]stricted Data [illegible]ned in the Atomic Ener[illegible] disclosure sub[illegible] Administrative and Criminal Sanctions.~~

~~SECRET~~

[redacted] MK-4 Unit (Close-up of Fin Section)

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 Davis	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	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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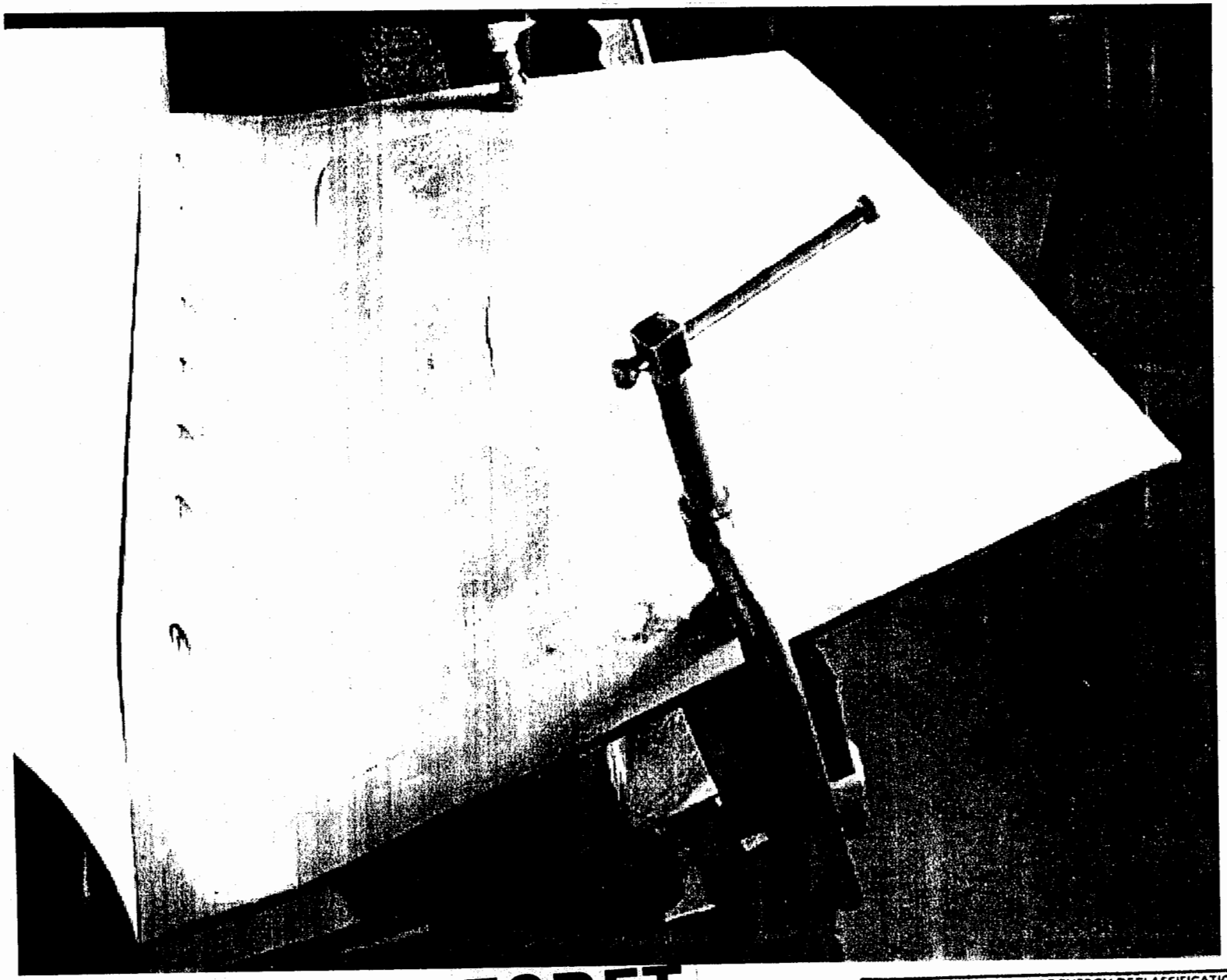

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~~This document conta[illegible] defined in the Atomic Energy [illegible] of 1954. Unauthorize[illegible] subject to [illegible]istrative and Criminal Sanctions.~~

~~SHD~~ MK–4 Foil Fin~~n~~ (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
	7. OTHER (SPECIFY): ____

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~~RESTRICTED DATA~~

~~This document co[redacted] Data as defined in the Atomic Ene[redacted] of 195[redacted] thorized disclosure su[redacted] to Administrative and Criminal S[redacted]~~

~~SHD~~ ~~MKor~~ Mh-4 Fin~~l~~ (Strain test on Cone, Left View)

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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 Dr[illegible]	2. CLASSIFICATION CHANGED TO: ____
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: ____
	5. CLASSIFICATION CANCELLED

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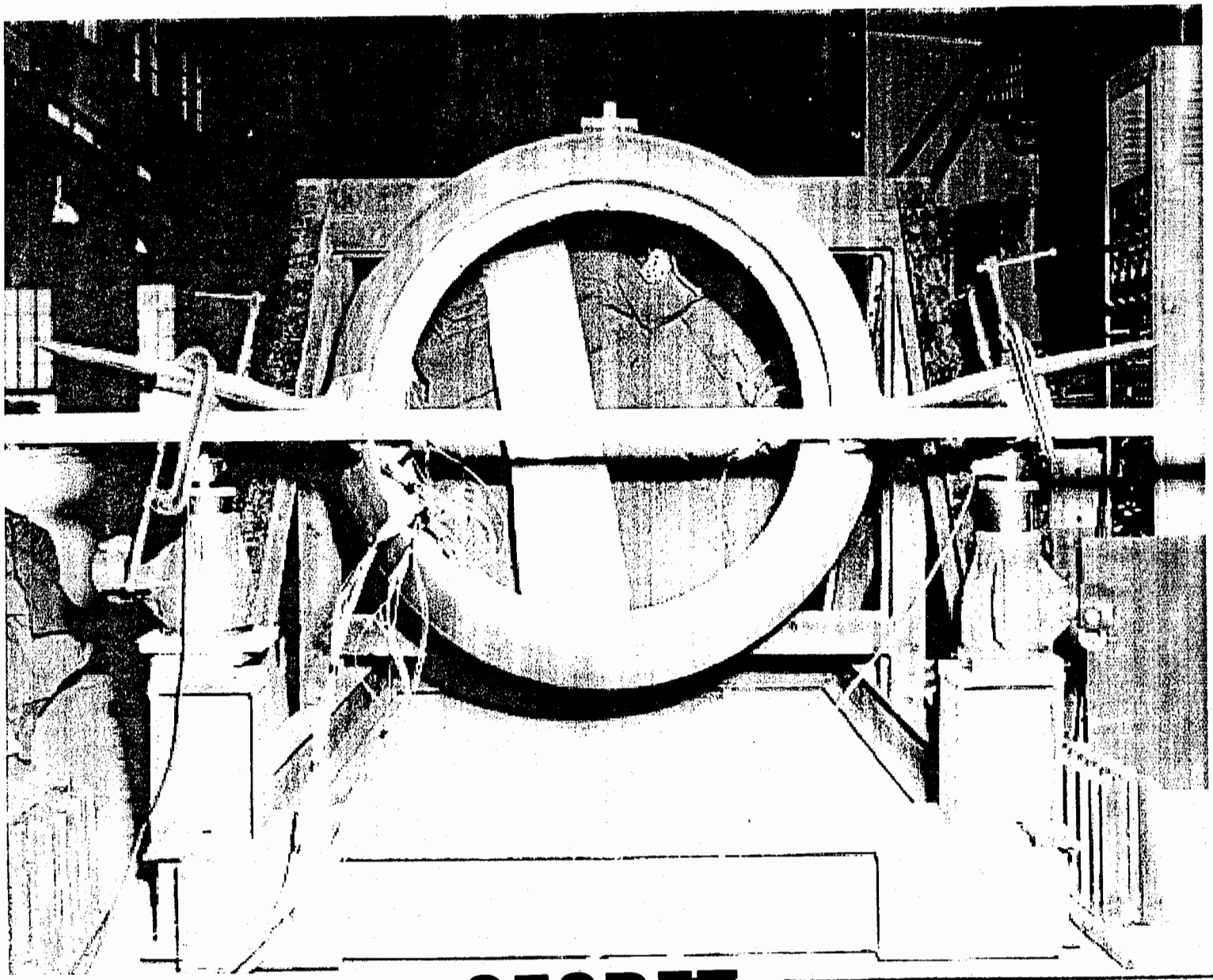

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~~SRD~~ MK-4 Cone (Failure of Fin)

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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 Dr[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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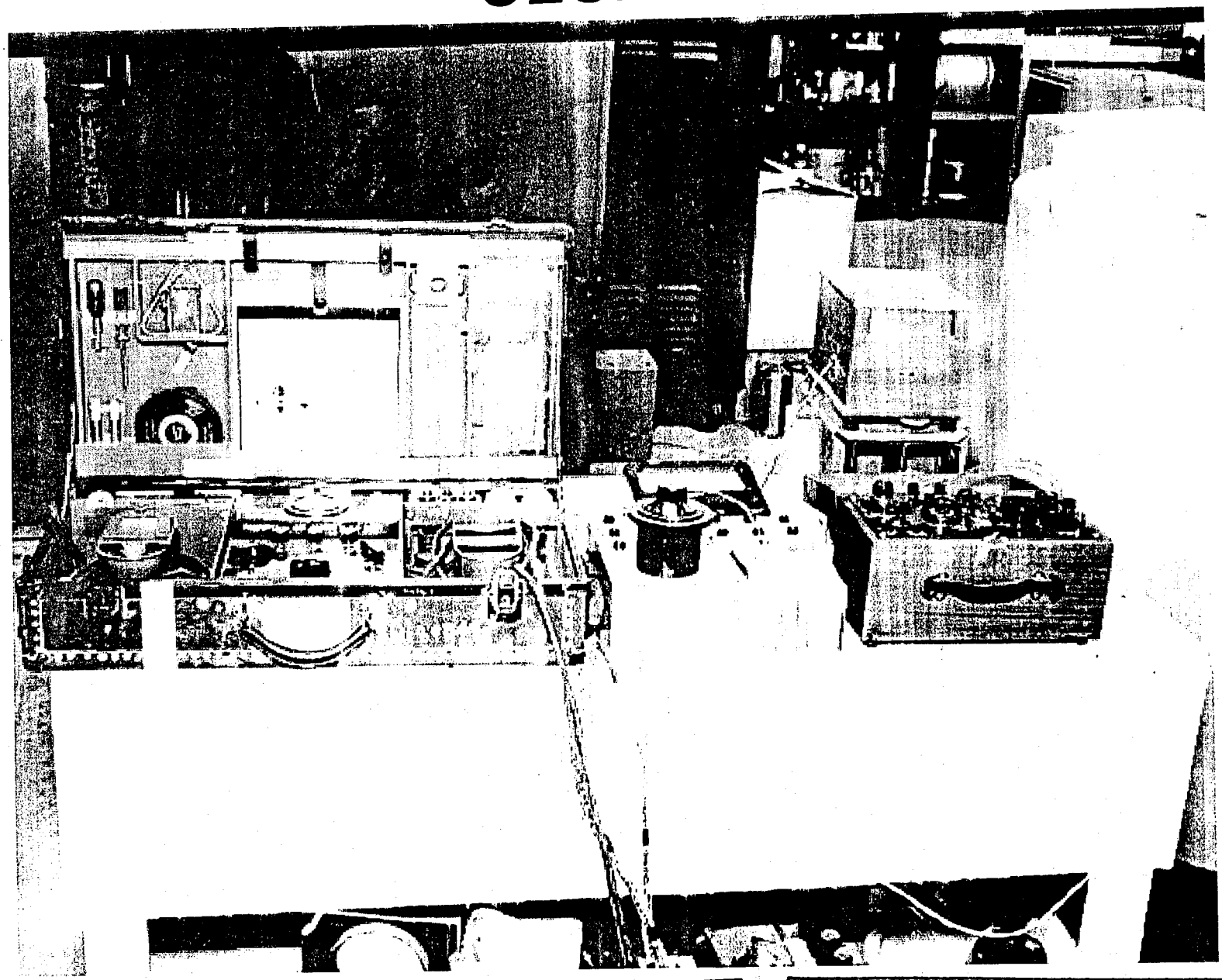

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~~SRD~~ MK-4 Cone Test

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: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED

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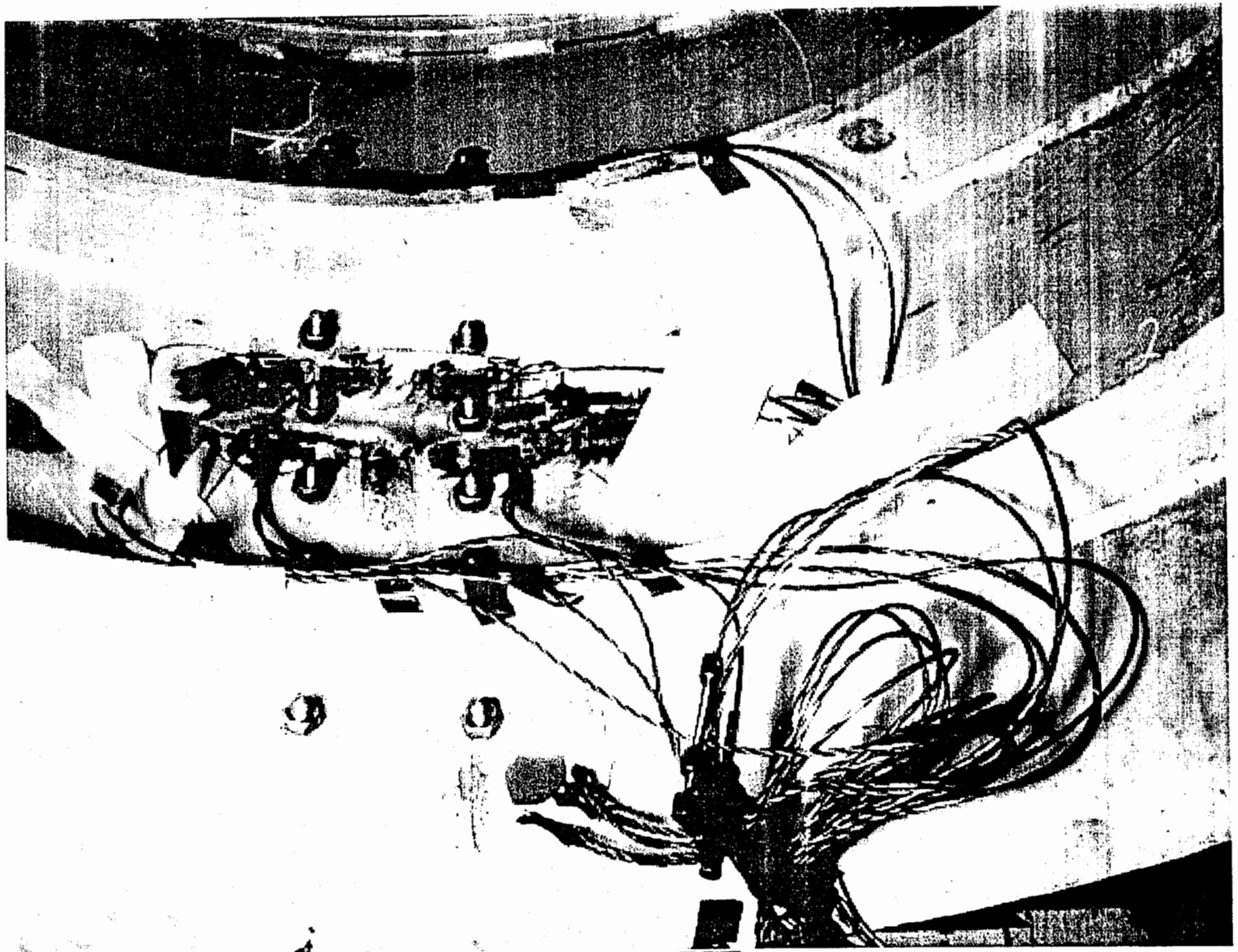

~~[redacted]~~ as defined in the Atomic Energy Act [redacted] disclosure [redacted] ministrative and Criminal Sanctions.

~~SECRET~~

~~SRD~~ MK-4 Cone Test (Strain Guage Placement)

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

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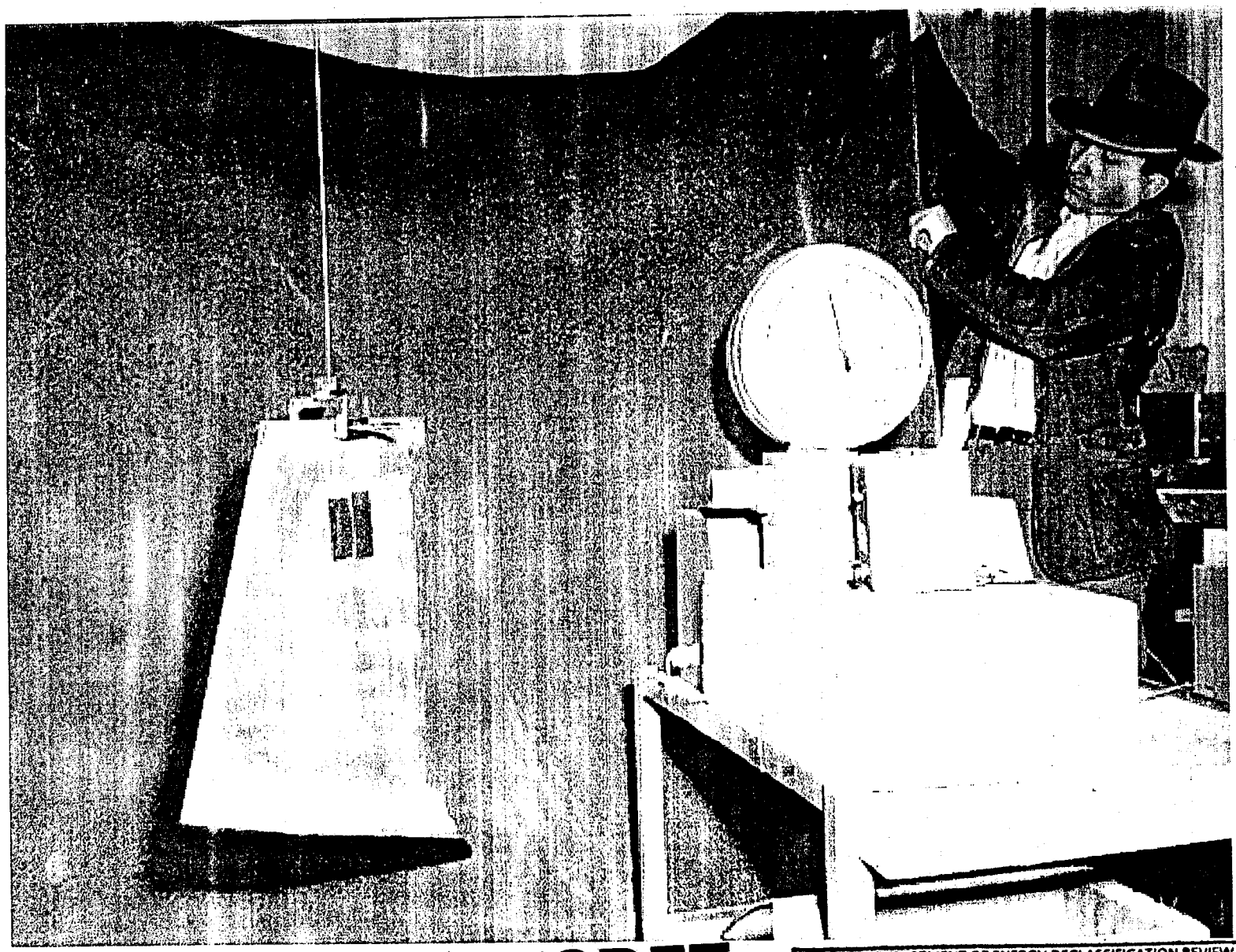

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This docu[redacted] defined in the [redacted] Act [redacted] Unauth[redacted] su[redacted]ve and Criminal Sanctions.

[redacted] MK-4 Fin[redacted]

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
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

56

98SA20B00021[illegible]

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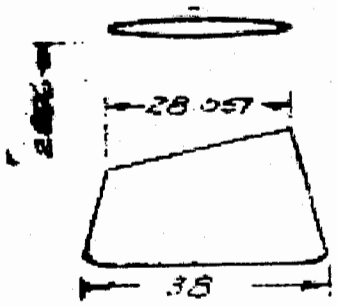
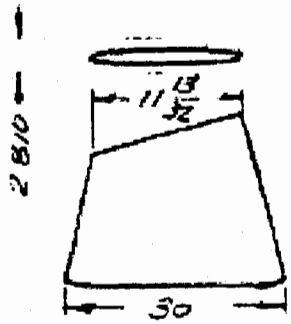
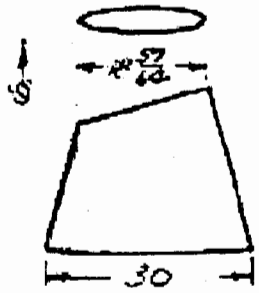


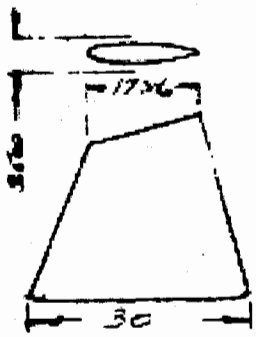
FIN - LARGE PLAN 3b-2c
FULL SCALE MK IV
Y 6301 D1



FIN STD. LENTICULAR REV.
3b 2c FULL SCALE MK IV
Y 6302 D1



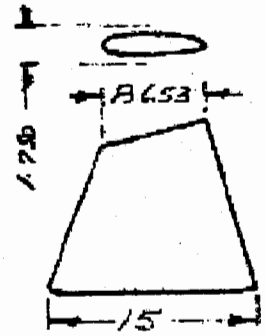
FIN - THICK CAST 3b 2c
FULL SCALE MK IV
Y 6303 D1



FIN G.S. TYPE 3b-2c
FULL SCALE MK IV
Y 6304 D1

FIN - THIN CAST 3b 2c
FULL SCALE MK IV
Y 6305 D1

FULL SCALE SHROUD
Y 6307 D1



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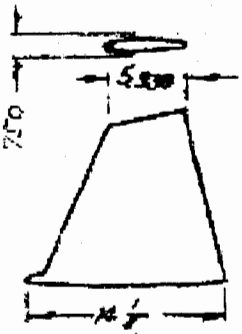
½ SCALE MK IV
YS 10588 D-1



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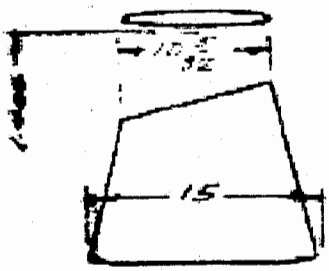
½ SCALE MK IV
YS 10591 D1

FIN LARGE PLAN 3b-2c
½ SCALE MK IV
YS 10614 D1



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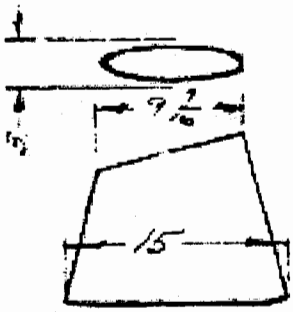
½ SCALE MK IV
YS 10617 D1



FIN THICK CAST 3b 2c
½ SCALE MK IV
YS 10618 D1

THICKNESS DIM'S ARE AT BOTTOM WHERE ELEMENT LINES RUN OUT.

MAKE TRANSPARENCY IN LEIU OF LOST ORIGINAL — RTH. 3-9-48

5Y-15019-A1

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 8/30/99
AUTHORITY: ☐ AOC ☒ ADC ☐ ADD
NAME: [signature]
2ND REVIEW-DATE: 11/22/99
AUTHORITY: ADD
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

[redacted]

[redacted]

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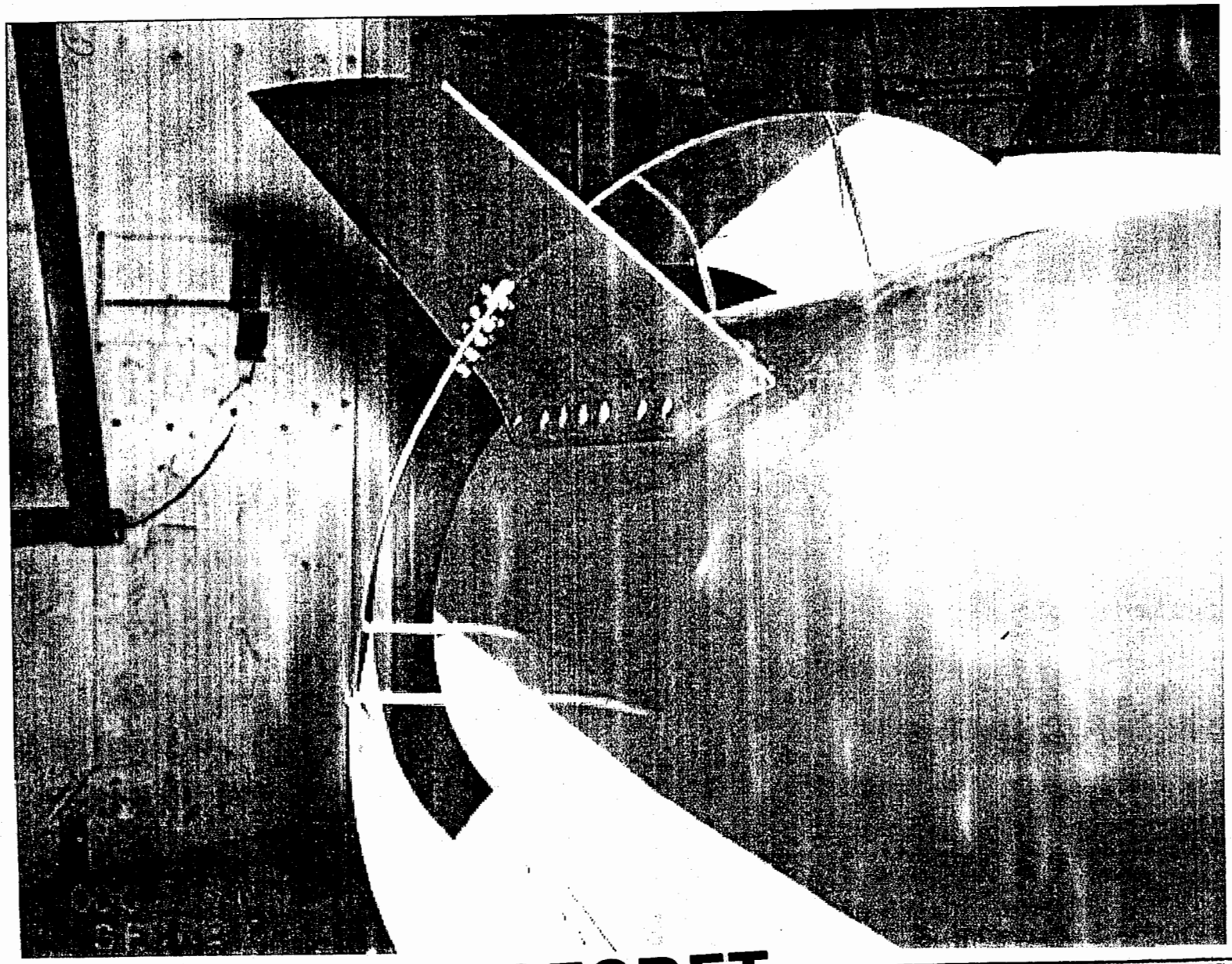

~~RESTRICTED DATA~~

~~This document [illegible] Data as defined in the Atomic Energy Act of 1954. Unauthorized disclosure subject to Administrative and Criminal Sanctions.~~

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[illegible] MK-4 Drag Shroud

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

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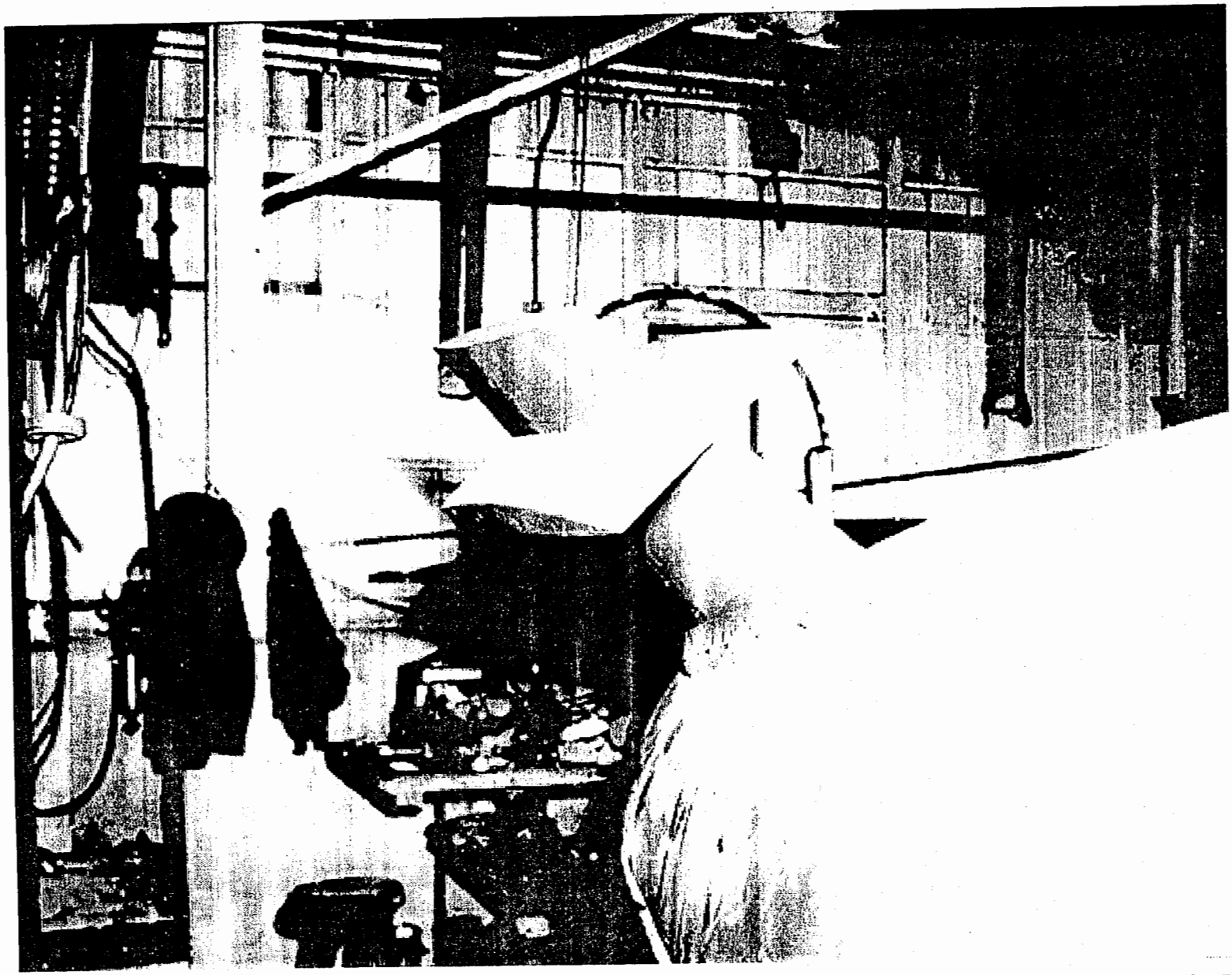

~~RESTRICTED~~

This document ~~contains Restricted Data~~ [illegible] defined in the Atomic [illegible] Act of [illegible] disclosure [illegible] ive and Criminal Sanctions.

~~SECRET~~

MK-4 Tab Shroud

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 Dean	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED

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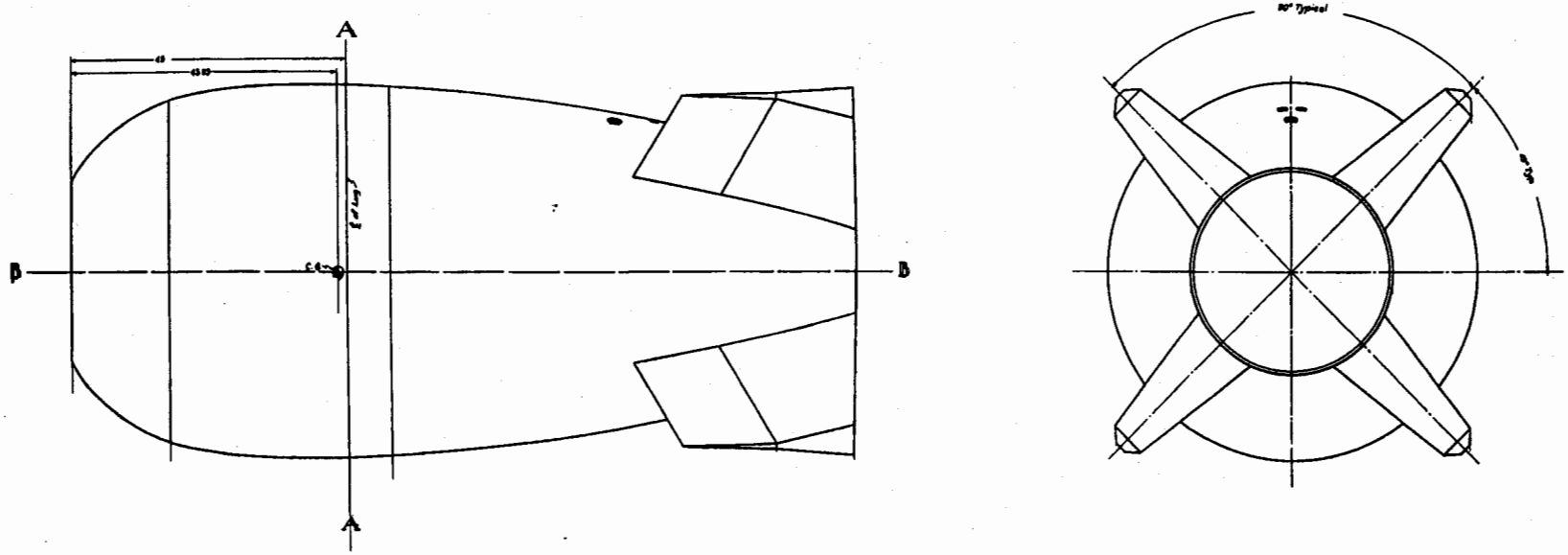

Notes:

1. Weight = 11,000 lbs. (approx.)
2. C.G. = 43.95 in. (approx.)
3. M.I. of A-A about vertical ℄ = 10,950000 (approx.) in² lbs.
4. M.I. of B-B about horizontal ℄ = 4,398000 (approx.) in² lbs.

INFORMATION ONLY
not for construction

A	Corrected Notes		
DATA - EM. MARK IV, MOD. 0			
Y-6001 D-3			

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

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

[redacted] disclosure [redacted] and Criminal [redacted]

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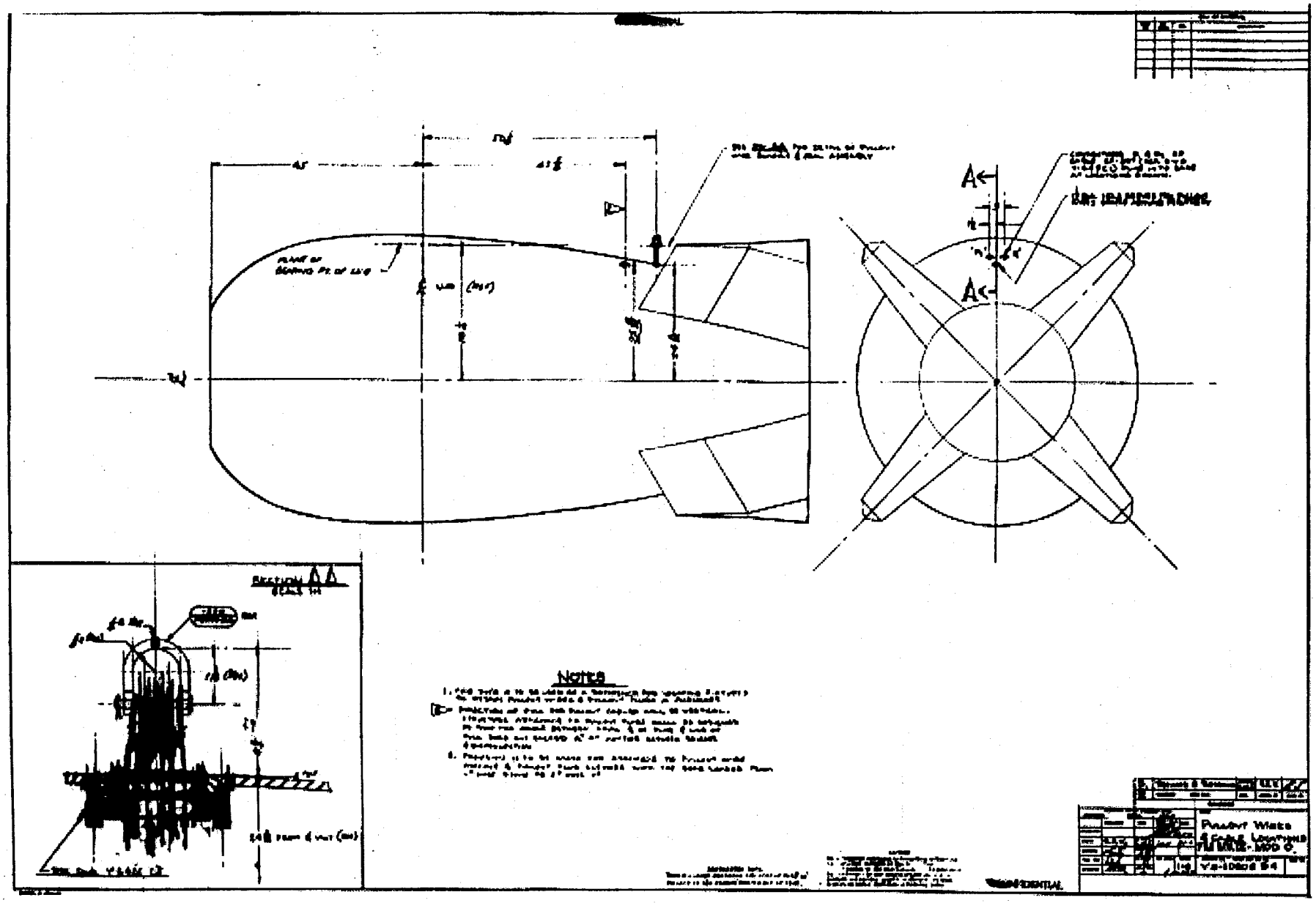
~~CONFIDENTIAL~~



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

~~CONFIDENTIAL~~

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: 11/19/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED

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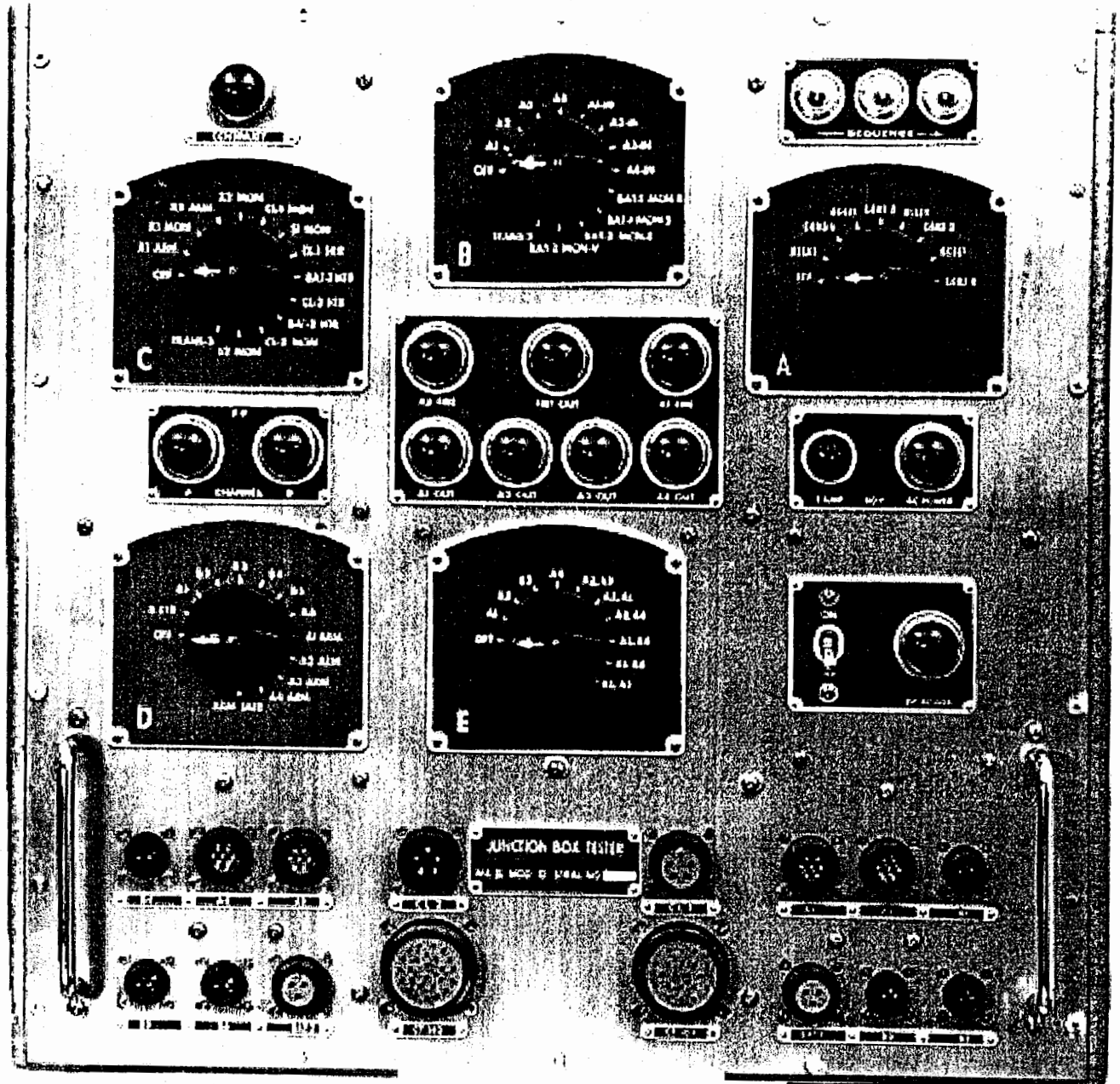

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[redacted]

This [redacted] contains [redacted] the Atomic Energy [redacted] Unauthorized disclosu[redacted] subject to [redacted]ative and Criminal Sanctions.

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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 Di[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	3. CONTAINS NO DOE CLASSIFIED INFO
	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED

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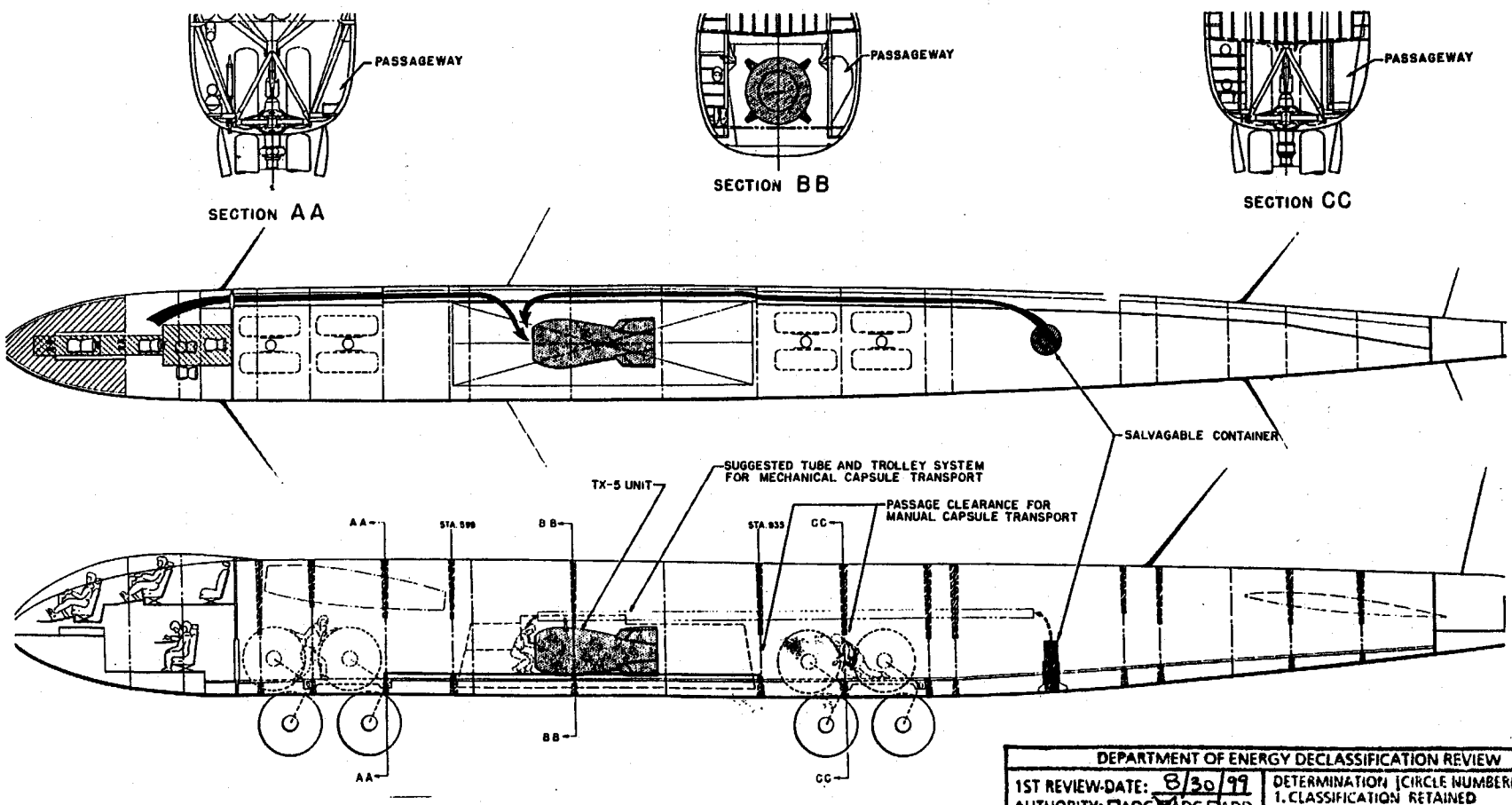

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/30/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	~~3. CONTAINS NO DOE CLASSIFIED INFO~~ WED
AUTHORITY: ADD	~~4. 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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This Document contains [illegible] Data as defined in the Atomic [illegible] Act of 1954. Unauthorized disclo[illegible] subject to Administrative and Criminal [illegible]ctions.

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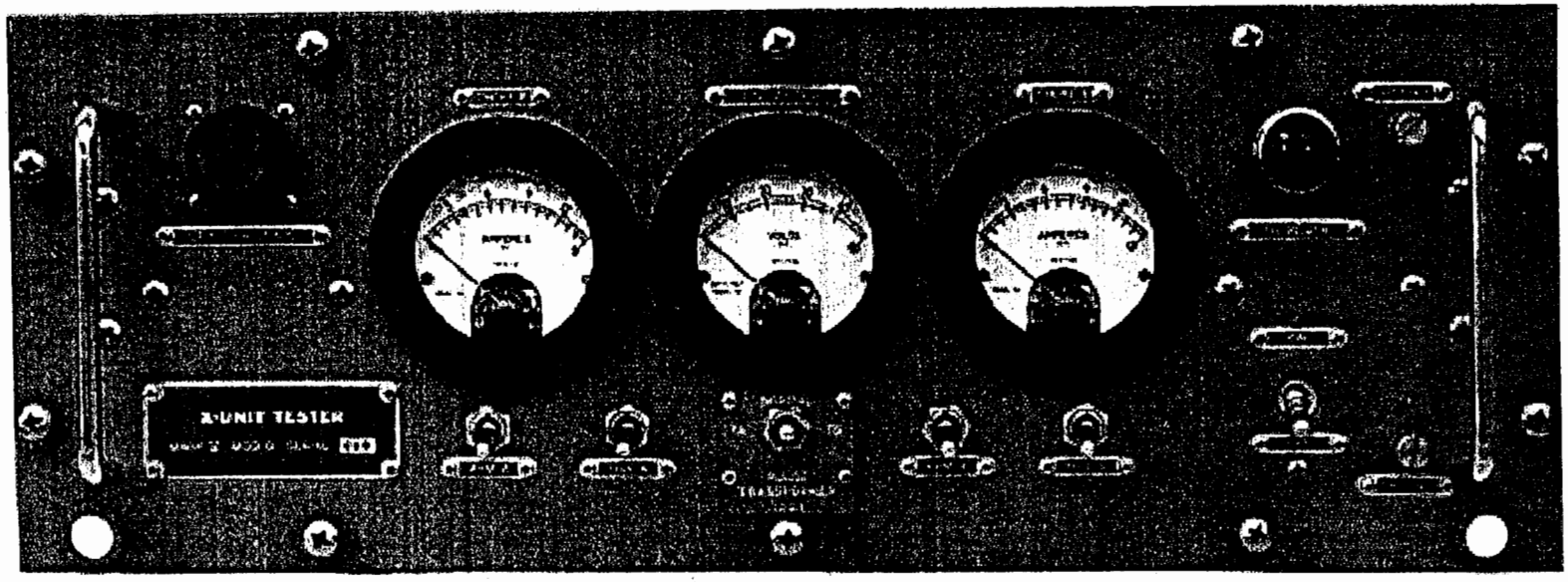

[redacted] X–Unit Tester MK 5 MOD 0 (Front Panel)

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 Dei	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):

[redacted]

This document con[redacted] the Atomic Energy Act [redacted]zed disclosure [redacted] and Criminal [redacted]

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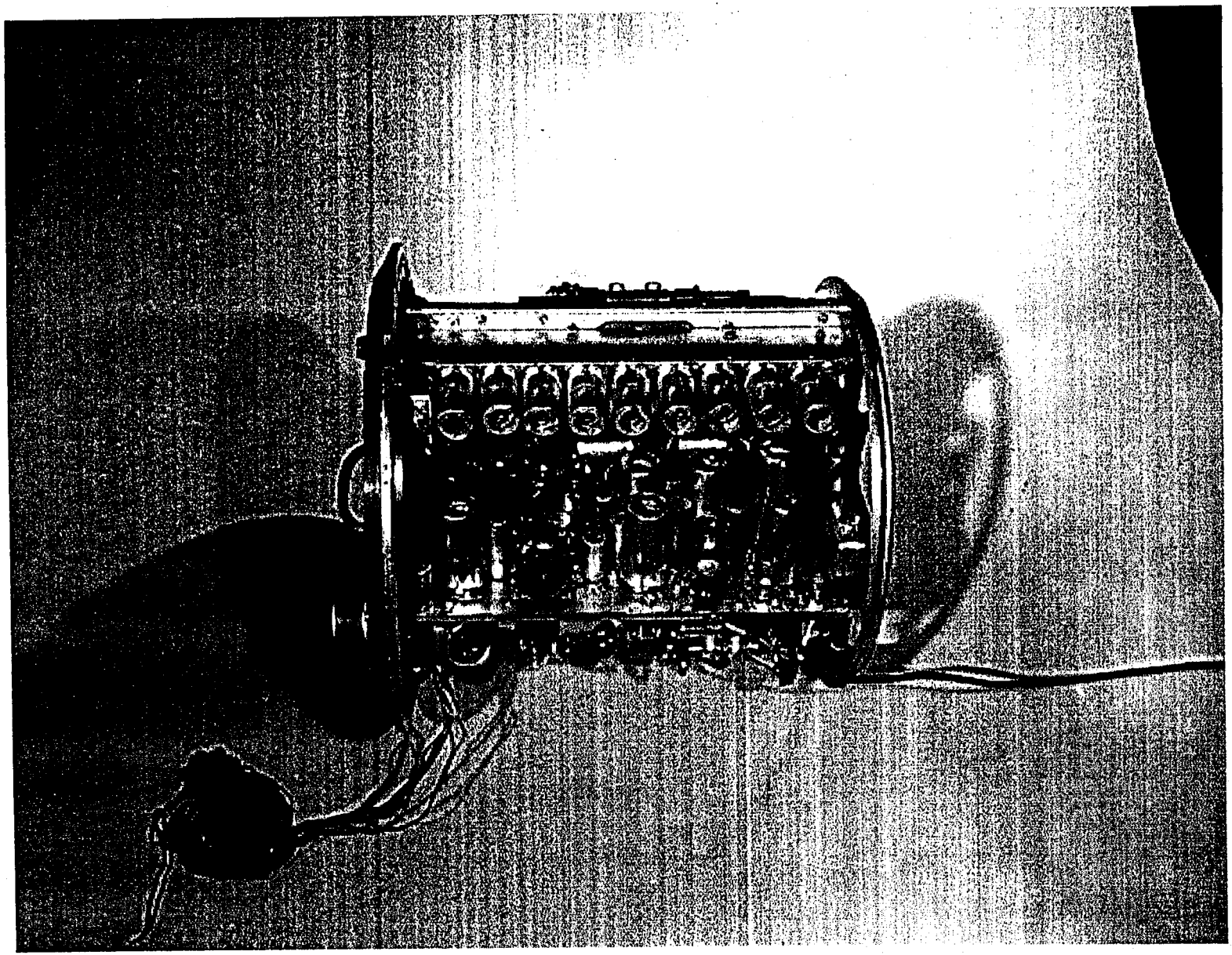

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron [illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/19/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED

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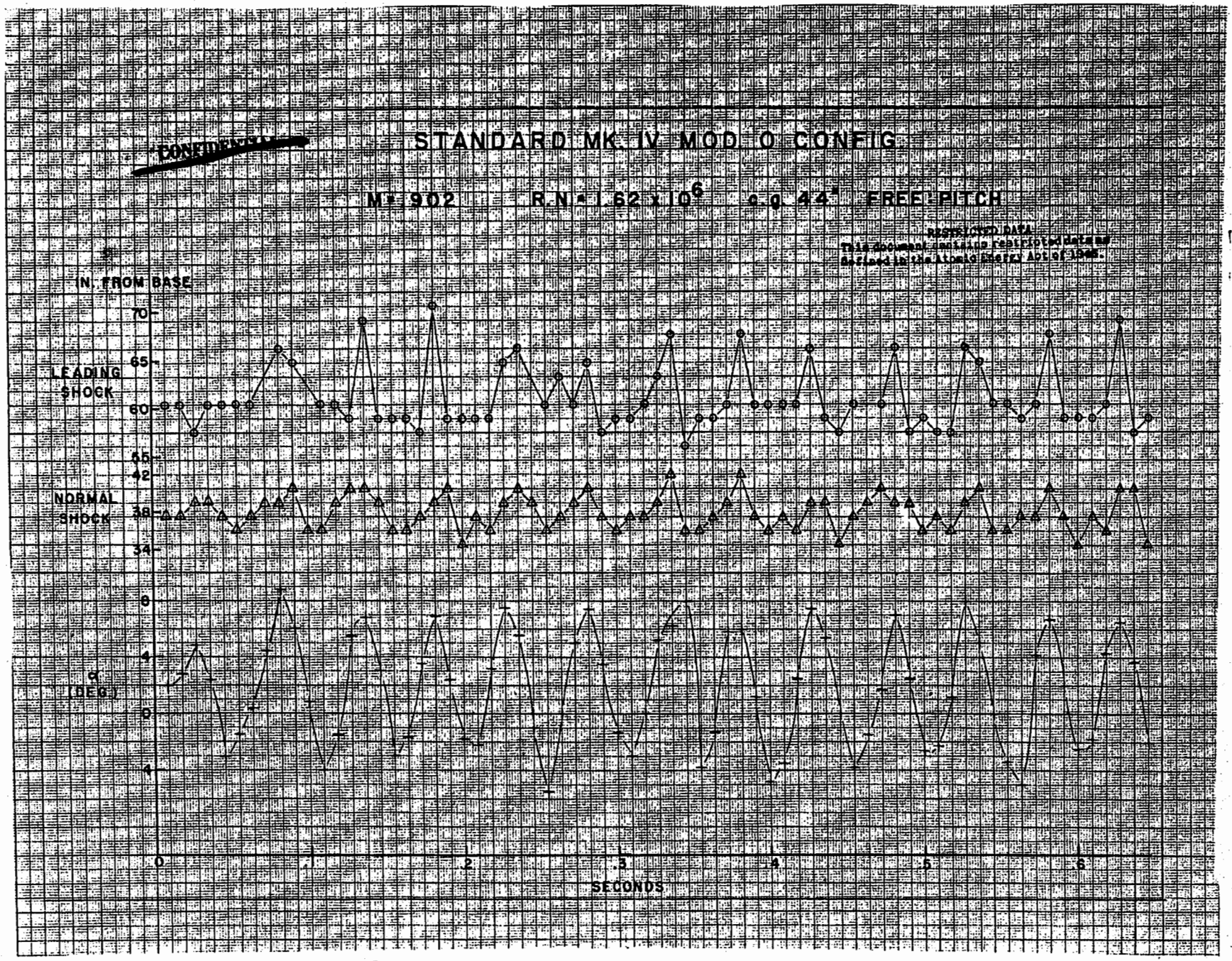

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 8/30/79 DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: DOC ADD 1. CLASSIFICATION RETAINED
NAME: W. Bryant 2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/13/79 3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD 4. COORDINATE WITH:
NAME: Jim Hendry 5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):

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MARK 8 MOD 0 BOMB AND FUZE SYNOPSIS OF TEST PROGRAM

ITEM	TEST	PURPOSE
Overall Weapon	28 full scale drops from aircraft on land and water.	Prove ability of all components to survive and function under service conditions.
Warhead	175 half and 50 full scale firing tests into water, concrete, and armor plate.	Determine design characteristics and requirements for impact. Evaluation of impact limitations of all warhead components including fuze and nuclear components.
Afterbody and overall configuration	Wind tunnel tests and six full scale drop tests.	Determine and prove a design with stable flight characteristics and good water and ground entry characteristics.
Powder charge and internal ballistics	Five closed bomb tests. Fifty closed bomb tests.	Determine propellant burning characteristics. Determine ignition requirements and reliability of complete ignition.
	Twenty-five system tests in full scale gun.	Obtain pressure-time and displacement time data.
	Twenty weapon drop tests and warhead impact tests.	Determine impact characteristics and functioning ability.
Fuze	Fifty laboratory tests. simulating service conditions.	Determine characteristids of fuze and components. Develop fuze design requirements and determine reliability.
	Fifty closed bomb tests.	Test fuze ability to cause propellant ignition.
	Forty weapon drop tests and warhead impact tests (drop tests included complete arming and firing system).	Determine ability to function under service conditions.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 8/30/99
AUTHORITY: ☐ADC ☒ADC ☐ADD
NAME: W. Bayer
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):

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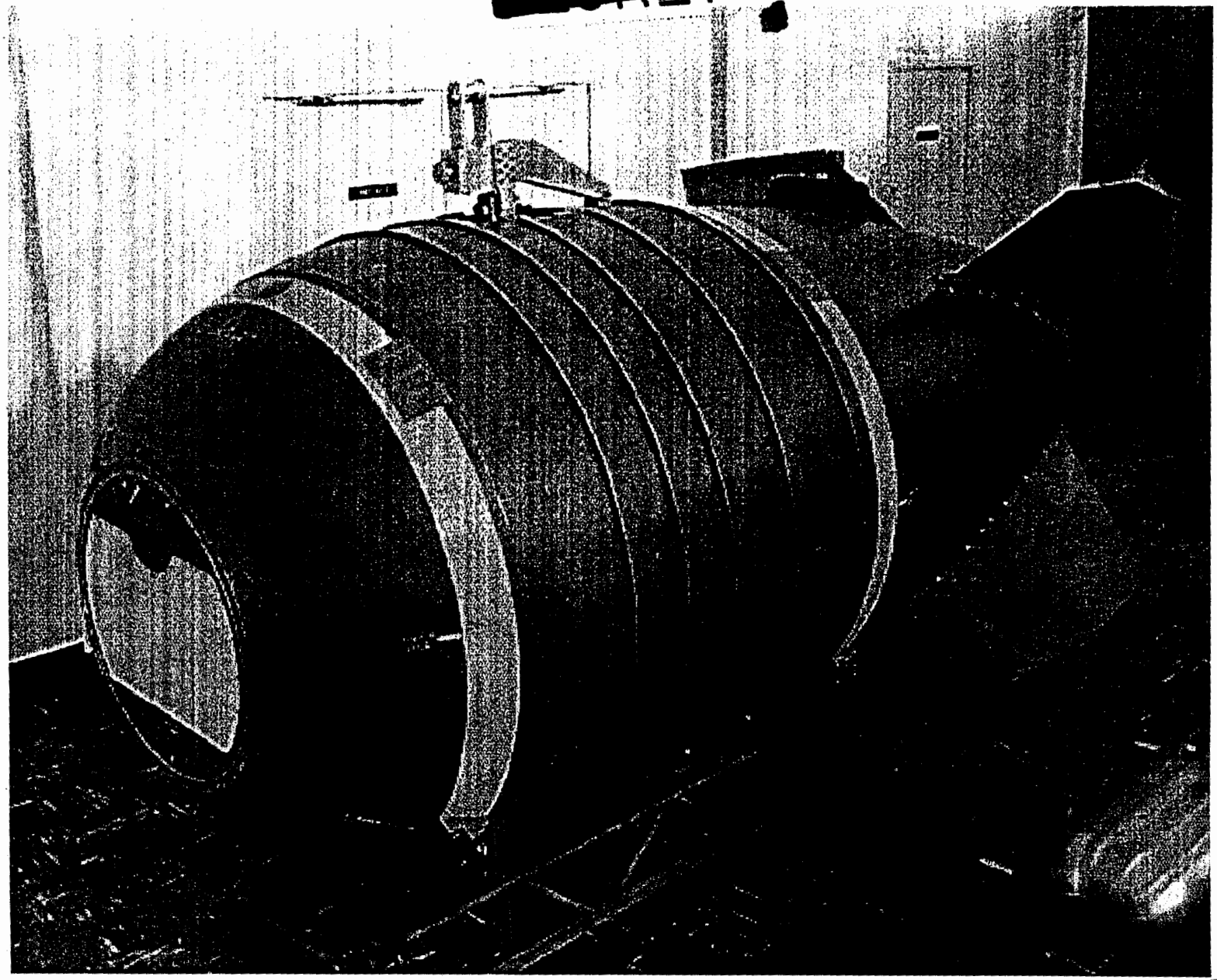

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Atomic Energy [redacted] Criminal Sa[redacted]

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

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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
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4. COORDINATE WITH:
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):

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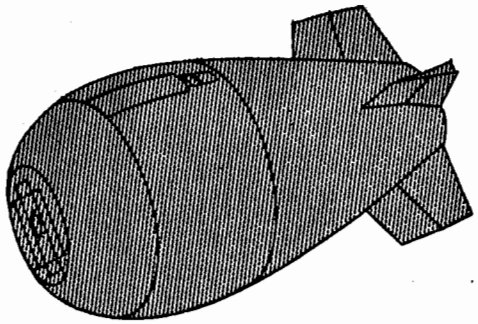
WEIGHT COMPARISON



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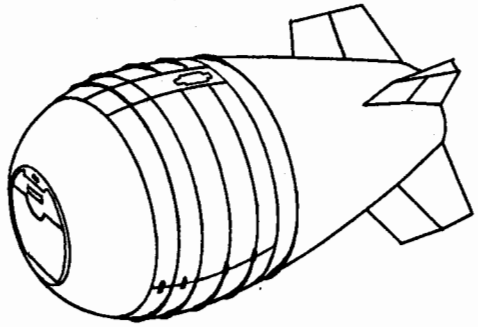

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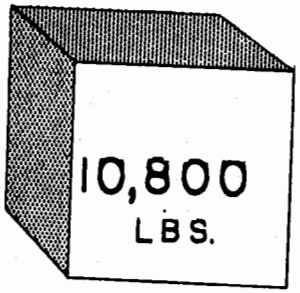

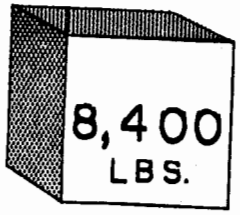

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/30/99 AUTHORITY: ☐AOC ☒ADC ☐ADD NAME: W. Byron D. 2ND REVIEW-DATE: 11/22/99 AUTHORITY: ADD NAME: Jim Greenz	DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: ____ 3. CONTAINS NO DOE CLASSIFIED INFO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

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~~This document [redacted] defined in the Atomic Energy A[redacted] 1954. Unauthorized disclosure subject to A[redacted]inistrative and Criminal Sanctions.~~

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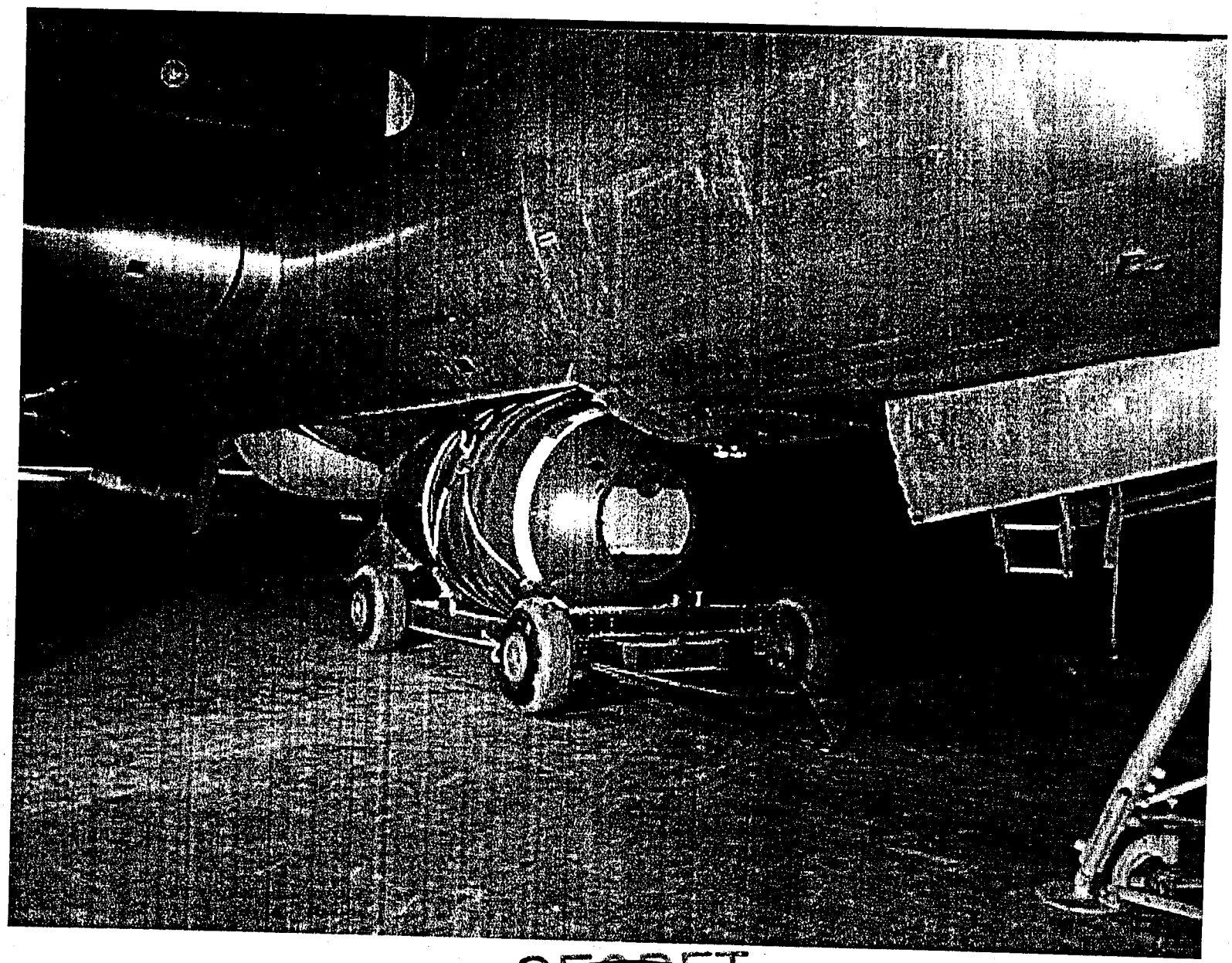

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This docum[redacted] the Atomic Energy [redacted] Unauthorized [redacted] subj[redacted] Administrative and Criminal Sanctions.

[redacted] Aircraft Loading of MK6

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:
	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED

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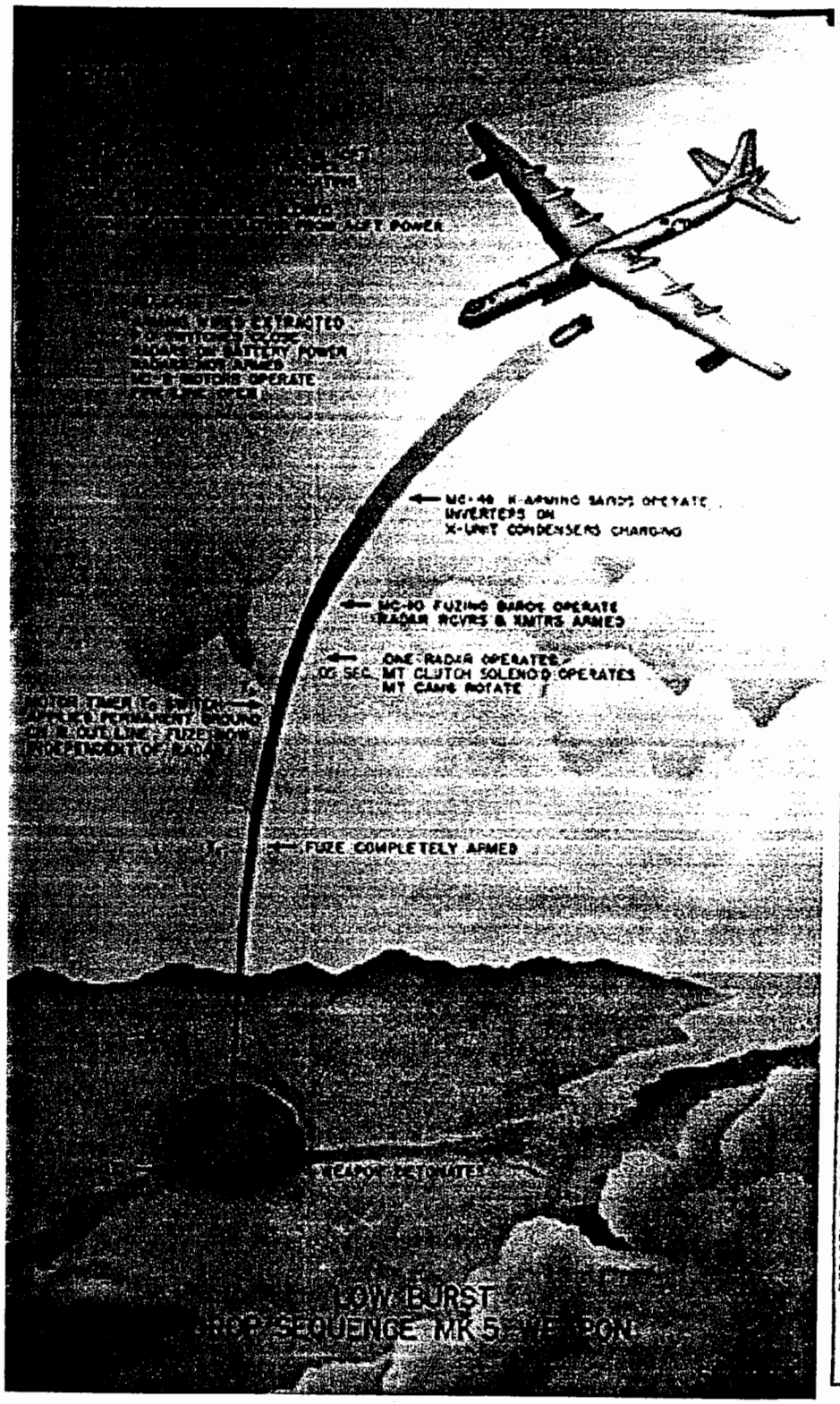

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 9/1/99
AUTHORITY: ☐ADC ☒ADC ☐ADD
NAME: W. Bryan Dai
2ND REVIEW-DATE: 11/24/99
AUTHORITY: ADD
NAME: Jim Kreung

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 docum[redacted] as defined in the Atomic Ene[redacted] Unauthorized disclosure sub[redacted]ministrative and Chi[redacted]ions.

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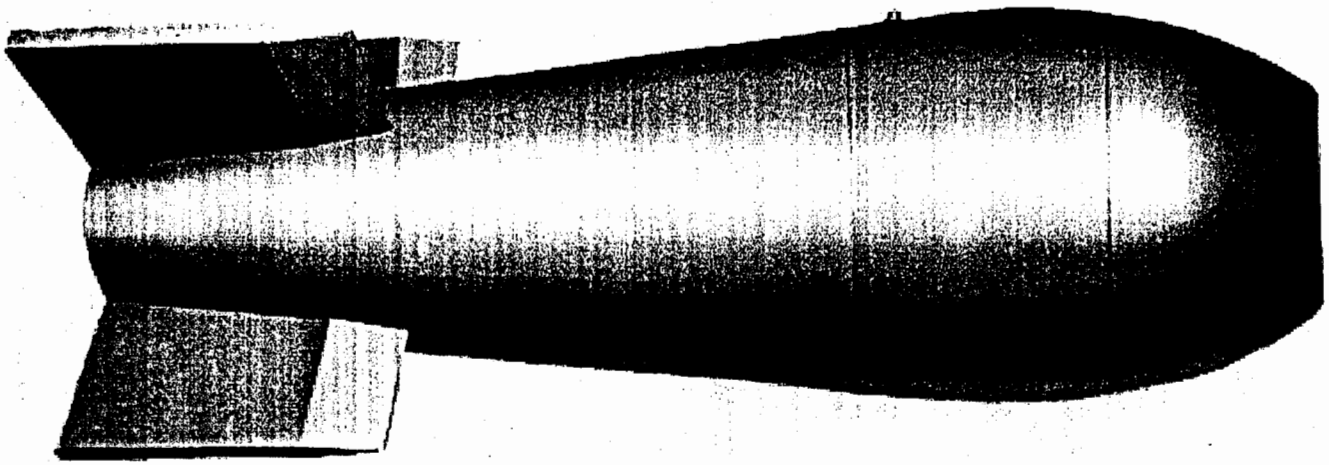

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Atomic Ene[redacted]Unauthorized disclosure
subject to Ad[redacted]tive and [redacted]

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[redacted] MK-5 Side 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[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greeny	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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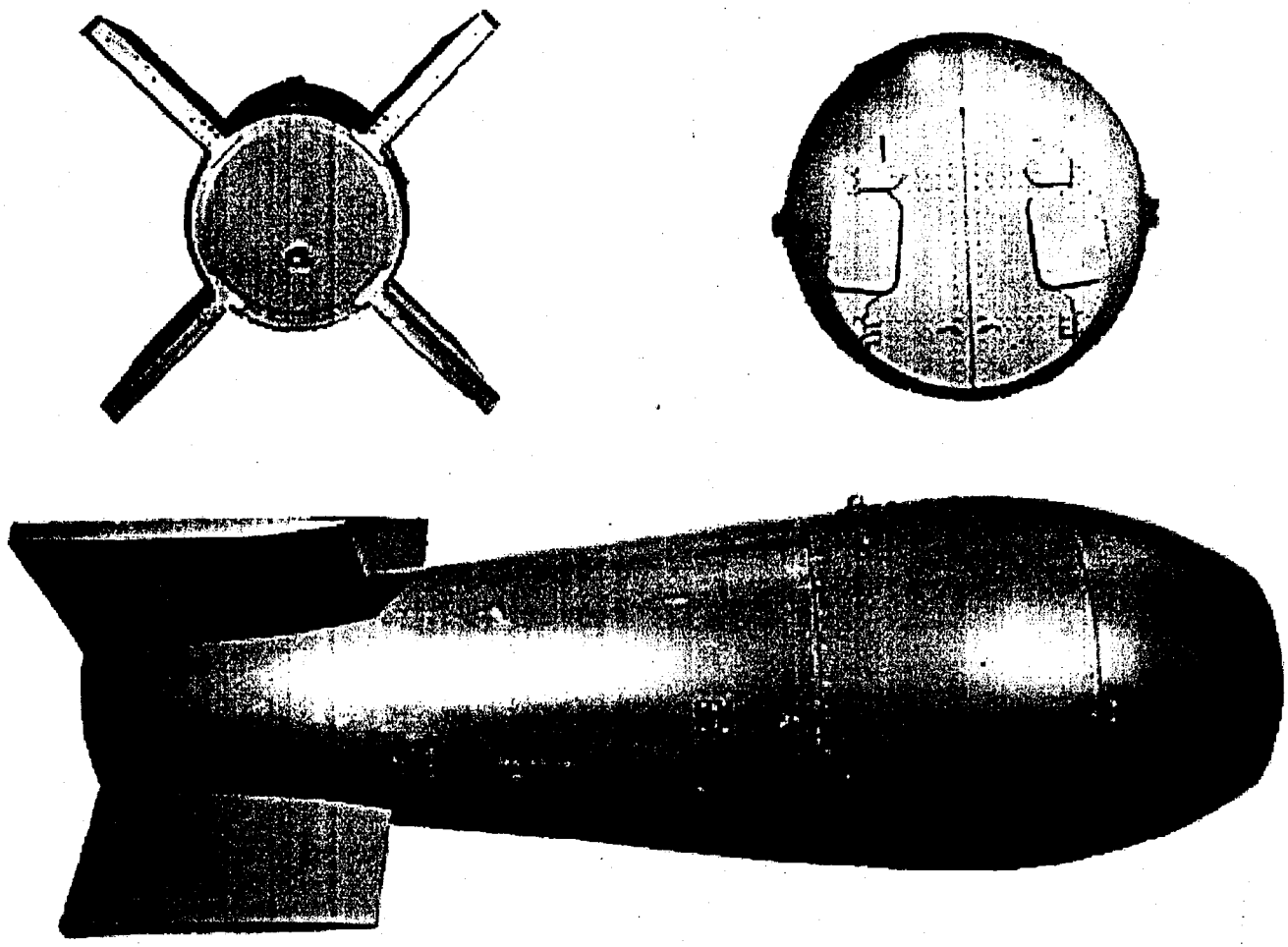

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[redacted] MK-5 Front, Side & Rear View

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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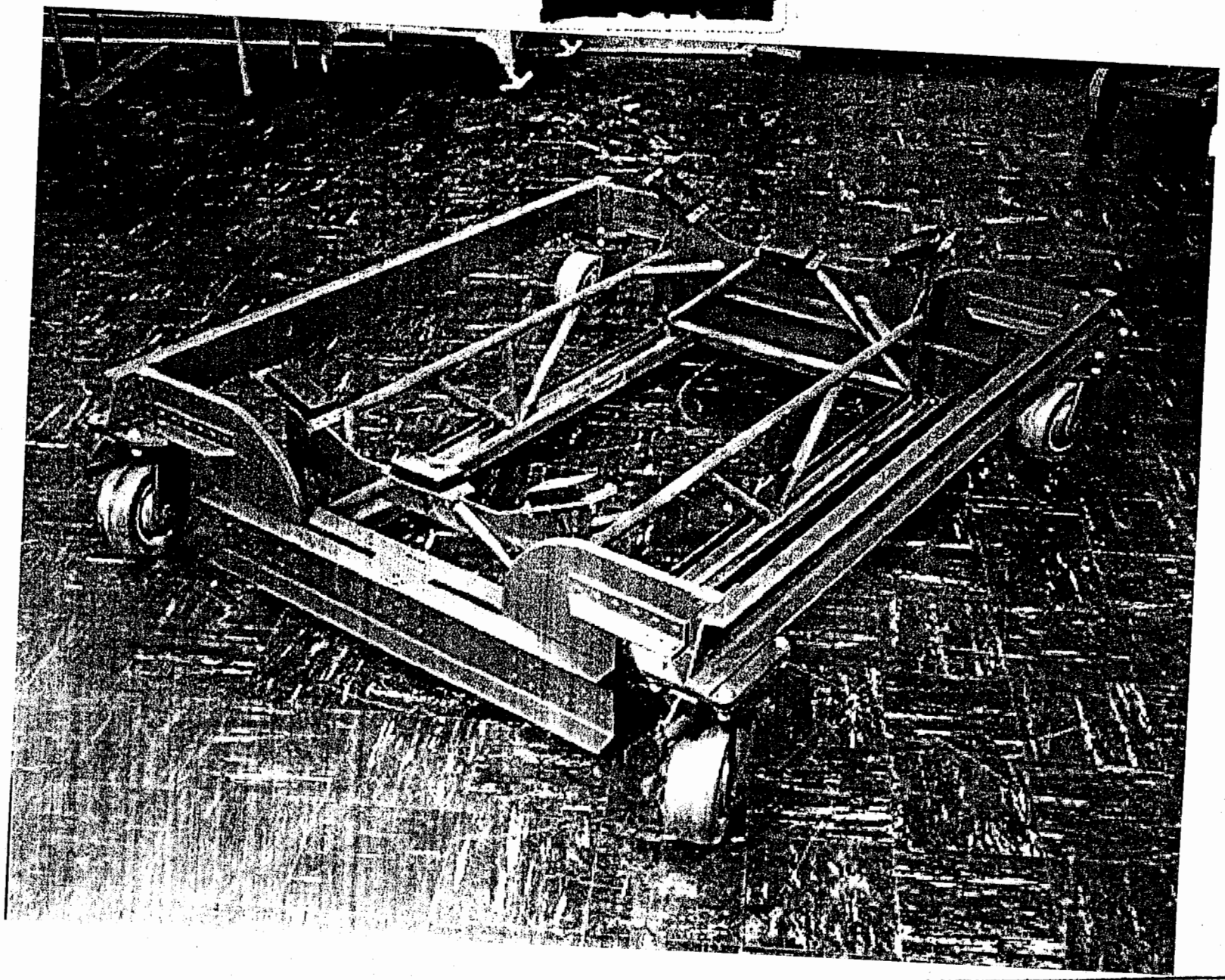

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/30/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dorr	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO 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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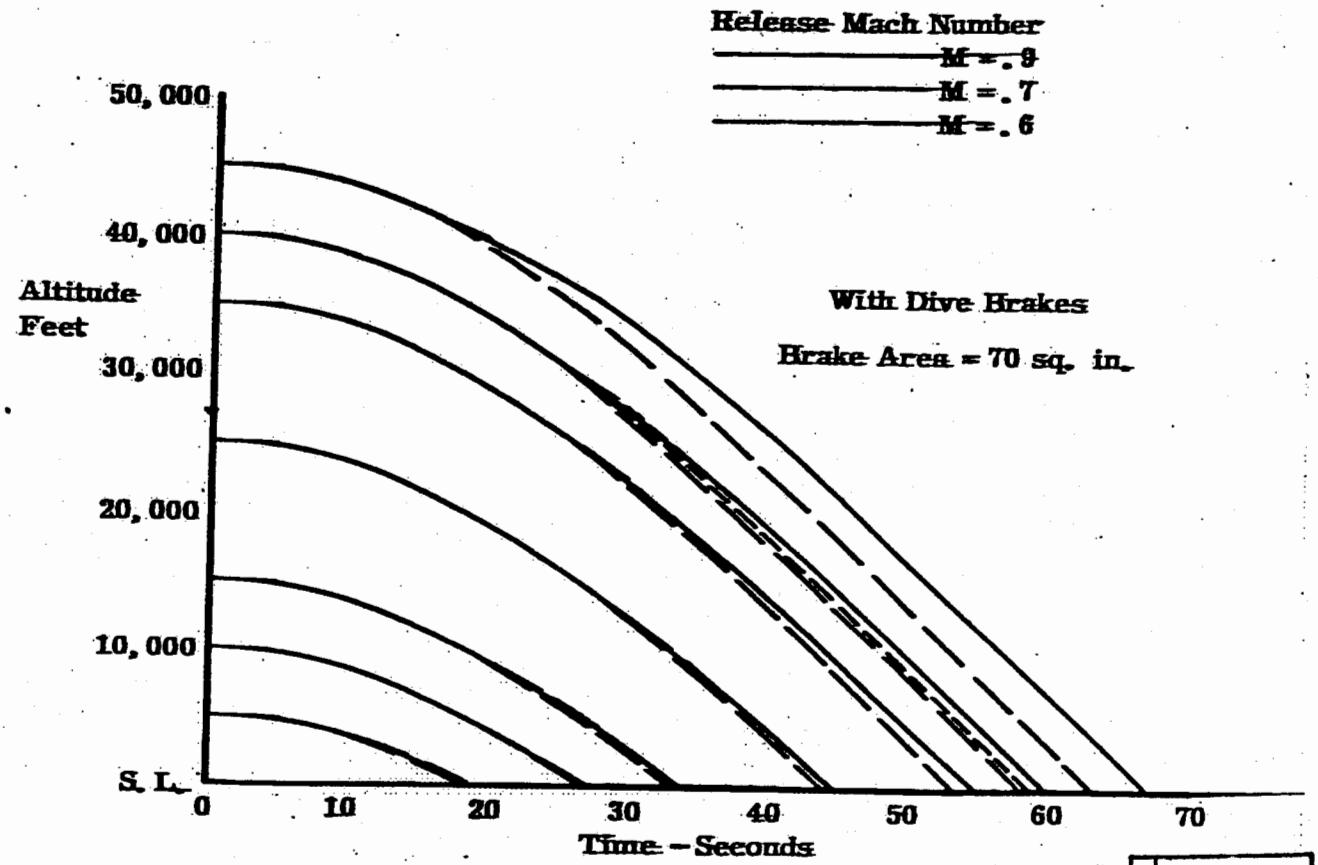

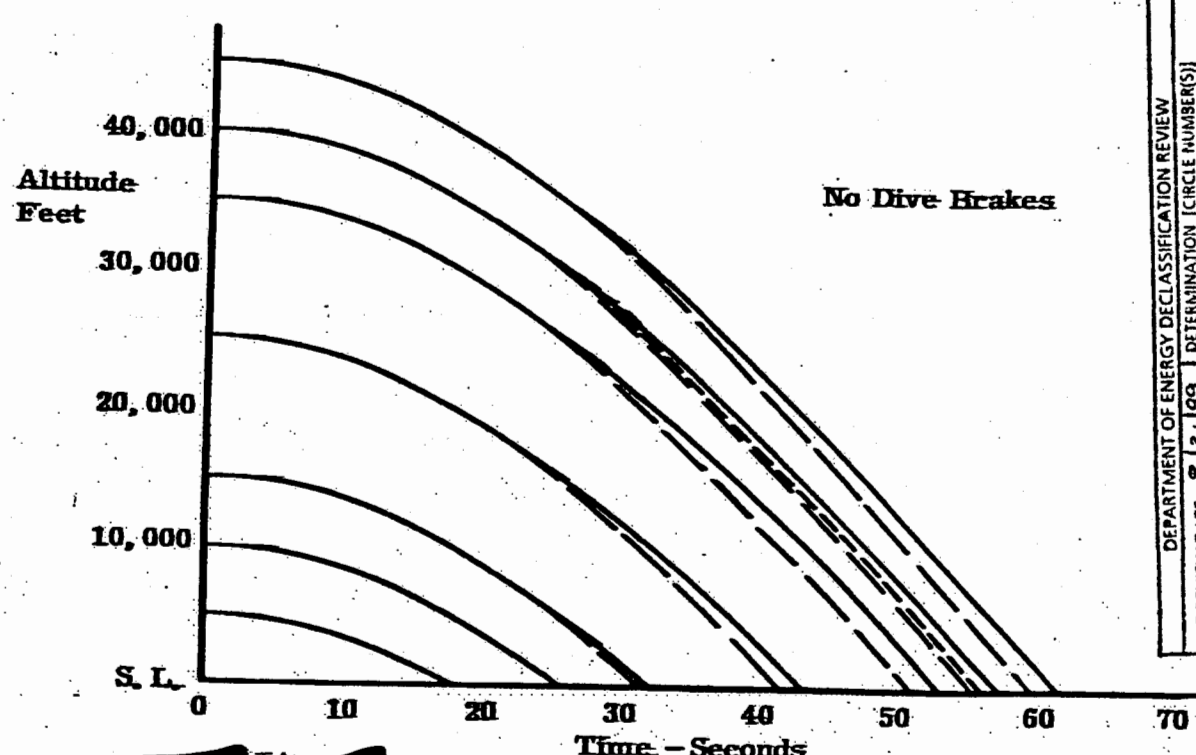

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

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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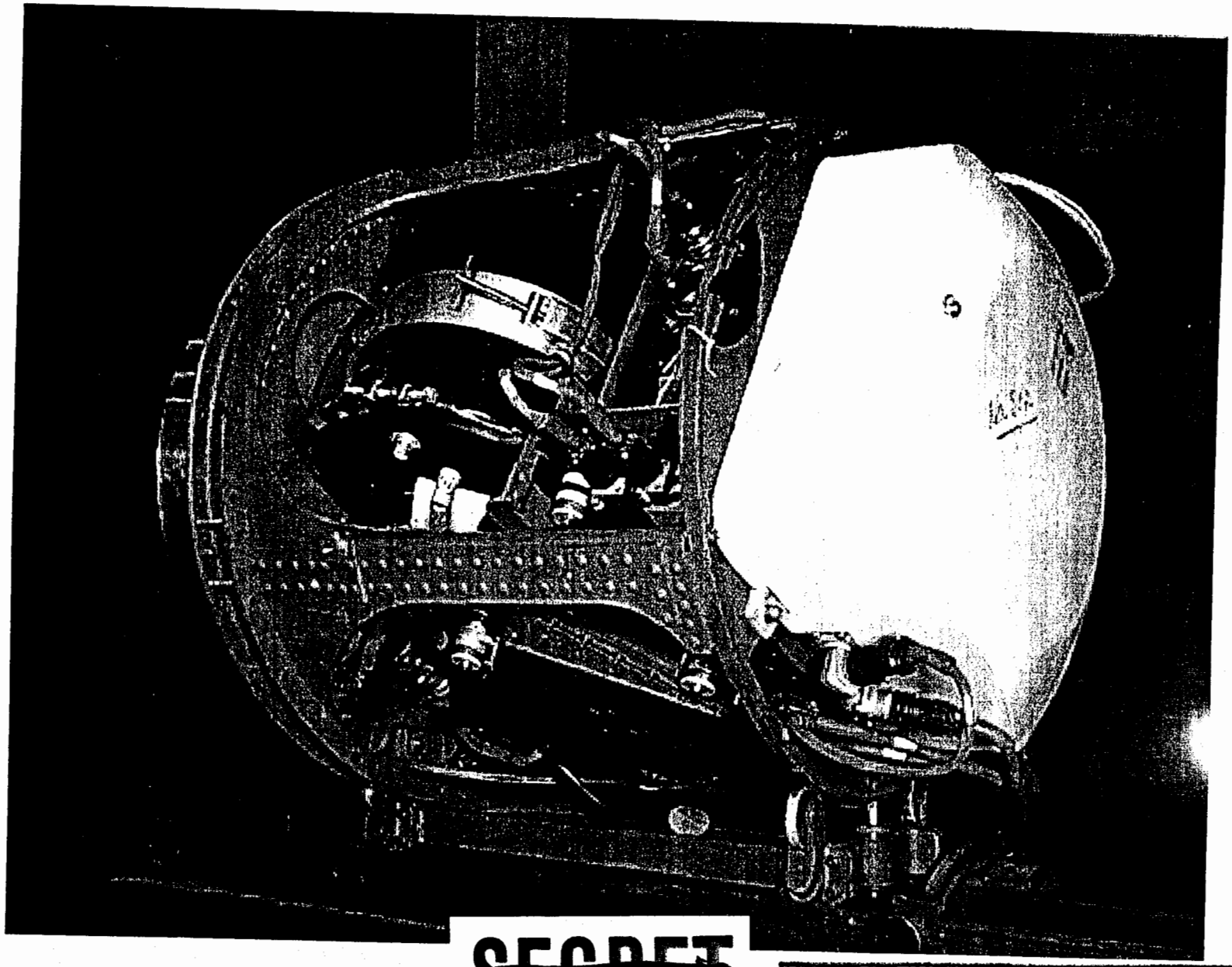

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dr	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/19/99	3. CONTAINS NO DOE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

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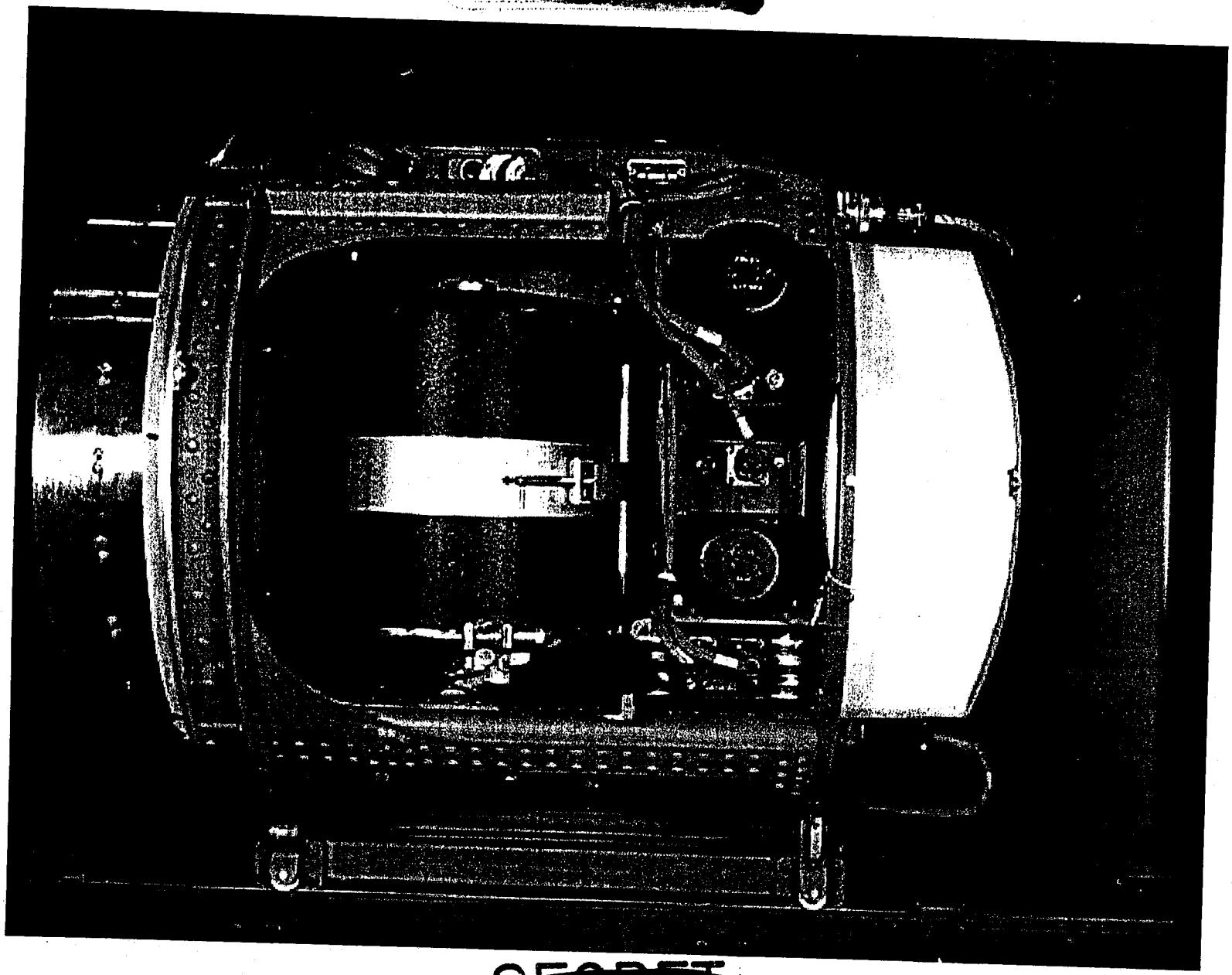

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
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AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Bryan D.	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 12/7/99	3. CONTAINS NO DOE CLASSIFIED I.
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenly	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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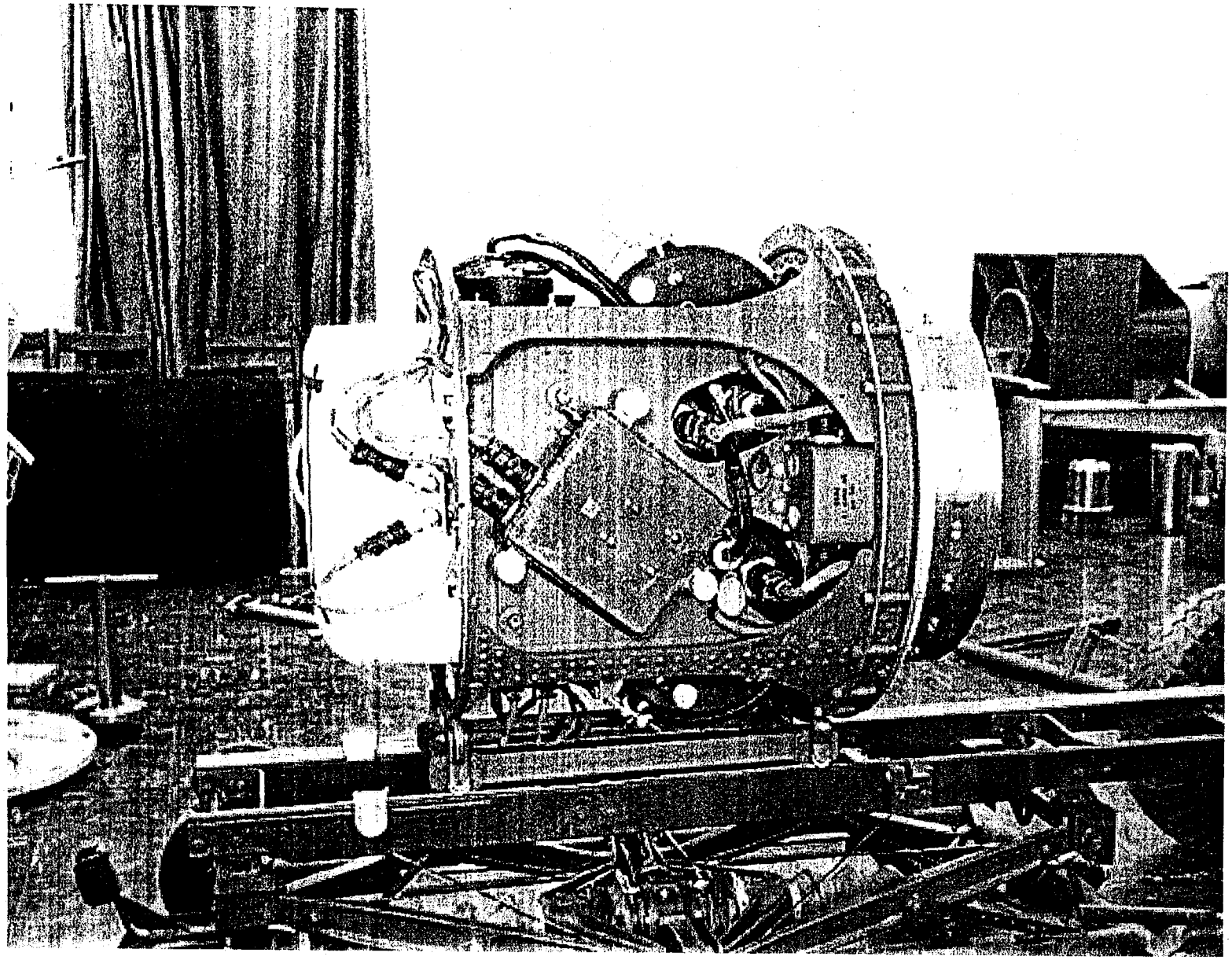

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[redacted] MK-5 Mod-0 Fuze

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
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2ND REVIEW-DATE: 12/7/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenz	5. CLASSIFICATION CANCELLED
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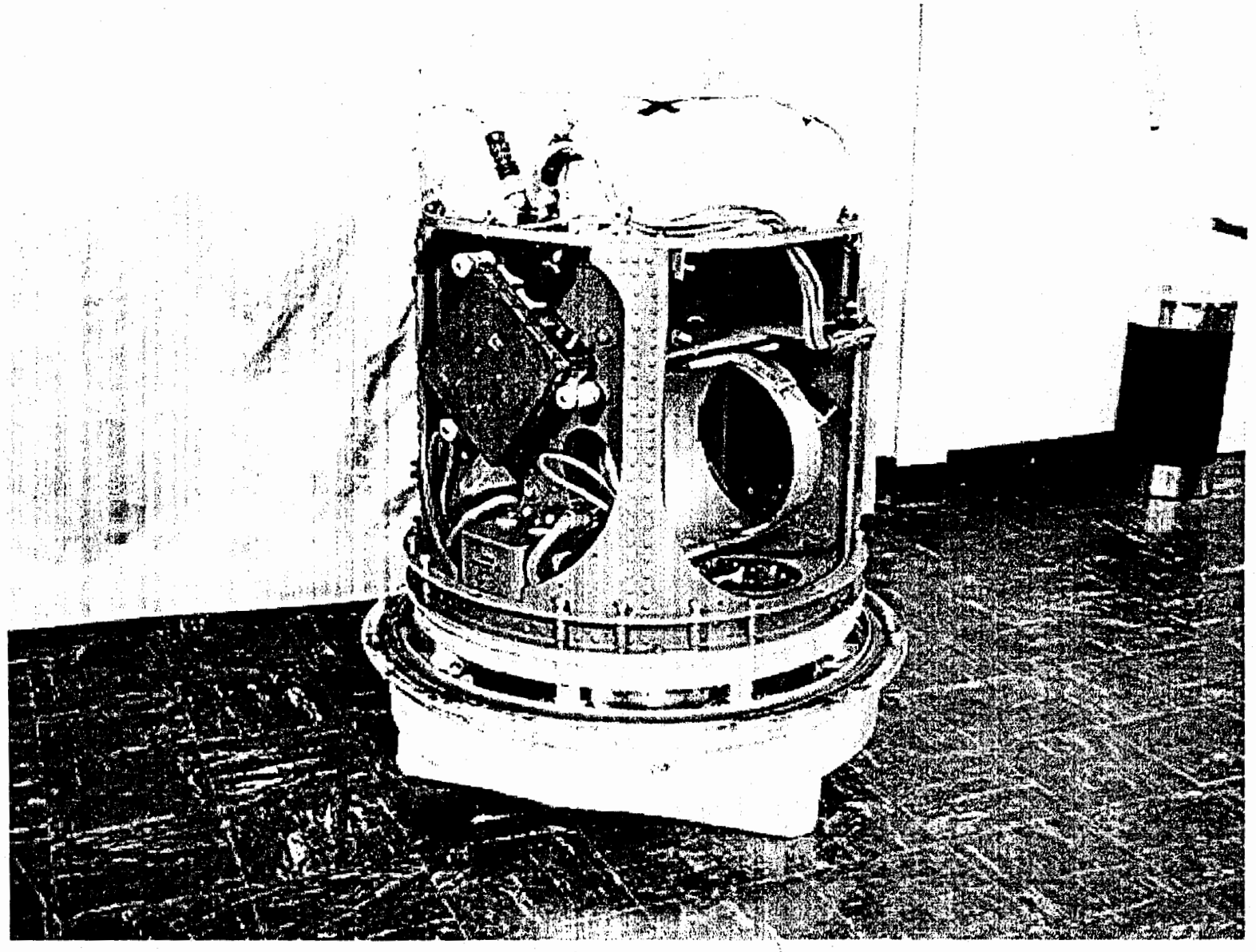

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
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NAME: W. Bryan Dr	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 12/7/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
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	7. OTHER (SPECIFY):

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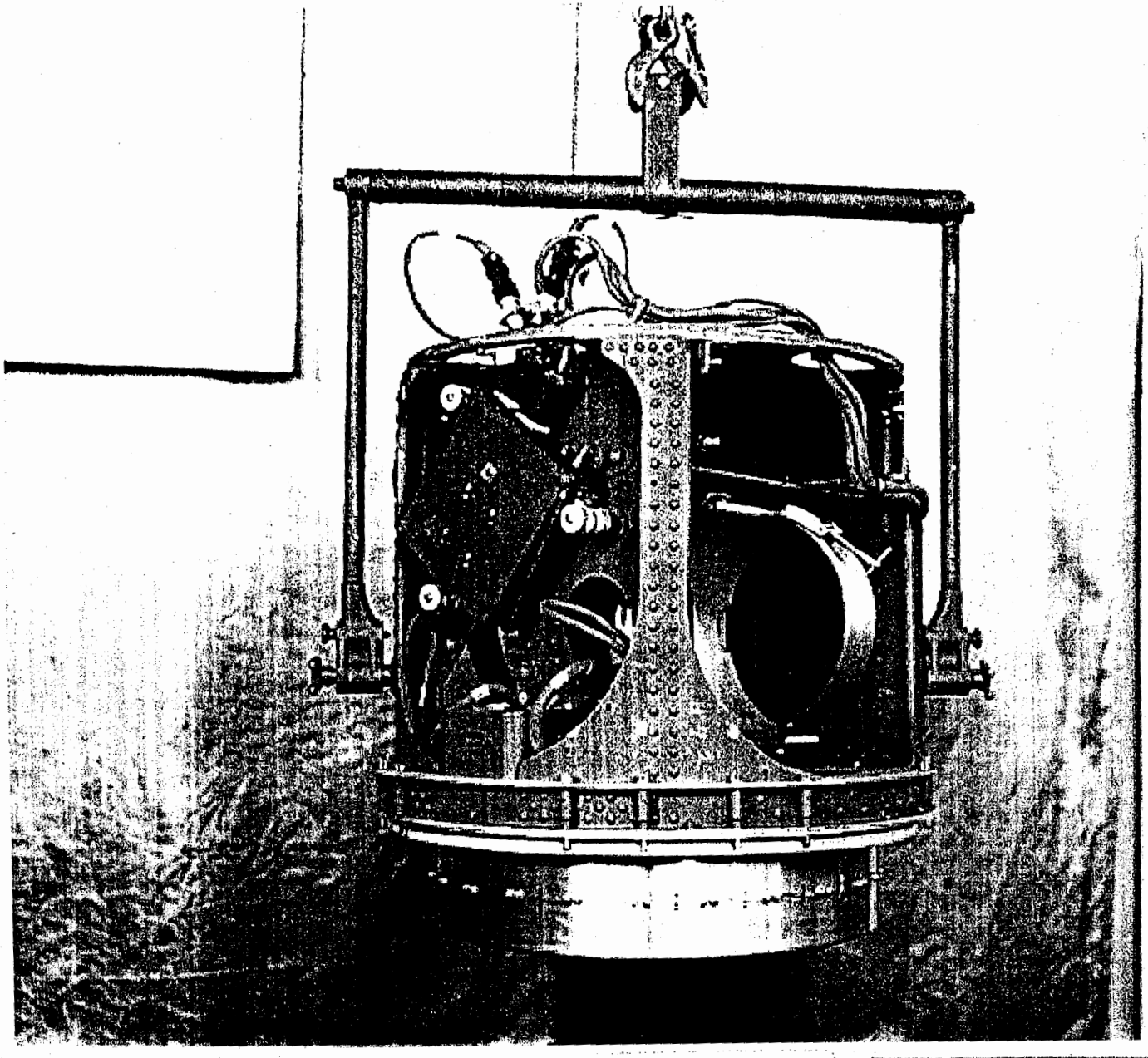

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
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2ND REVIEW-DATE: 12/7/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenz	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

SAB200166360000

99SA20300021[illegible]

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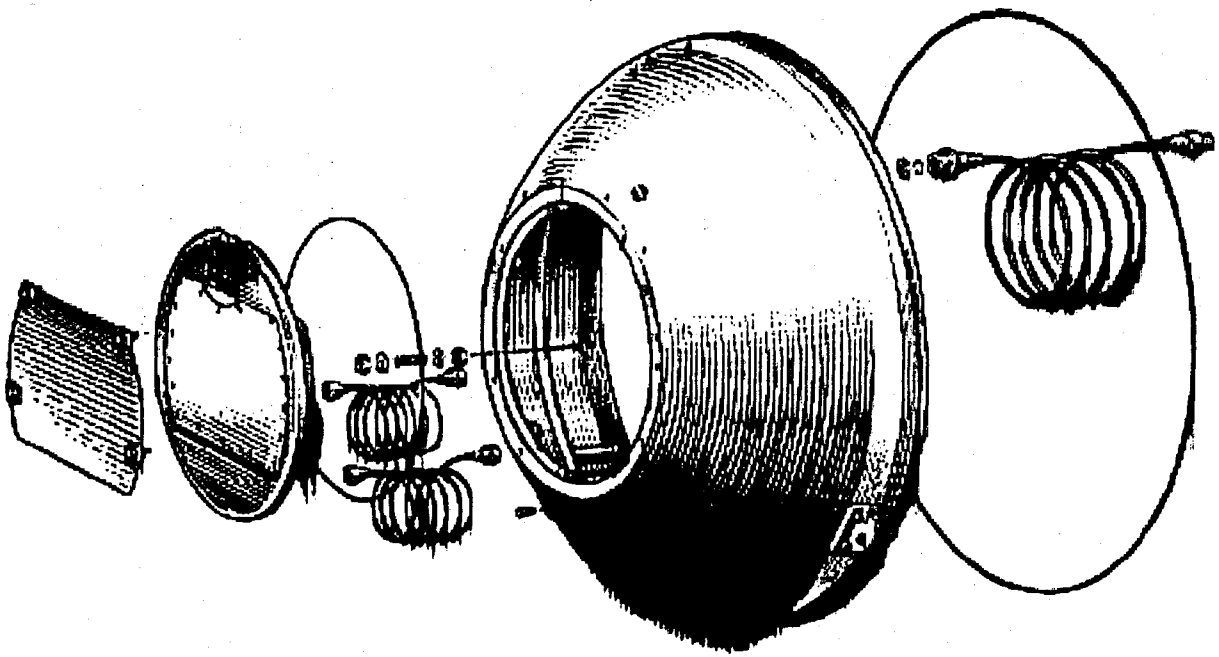

RESTRICTED DAT[redacted]

This do[redacted]ata as defined in the Atomic [redacted] of 1954. Unauth[redacted]sure sub[redacted] to Administrative and Criminal Sanctions.

[redacted] Forward Case MK-6

[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 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):

SAB2001 66370000

99SA2030000219

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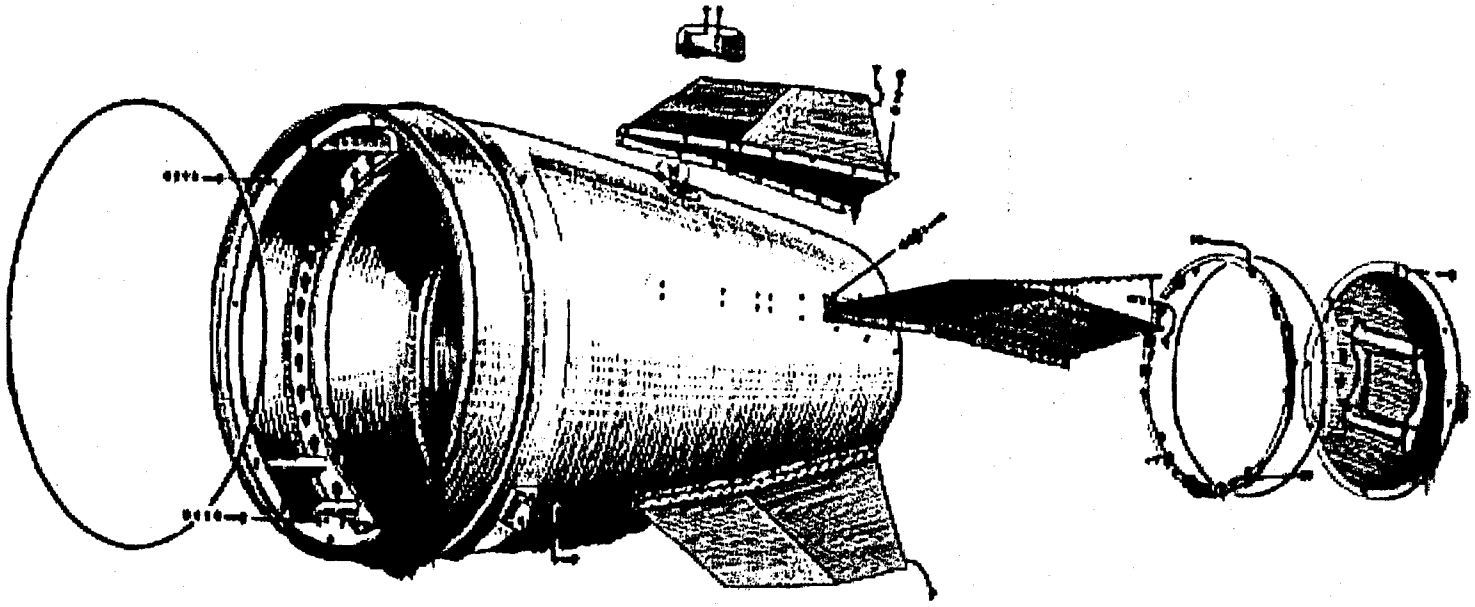

(84)

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

~~SHB~~ AFT Section M~~D~~K-6

[redacted]

[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. Byrne	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/19/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Sheehy	(5) CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

99SA20B00219

SAB2001643 0000

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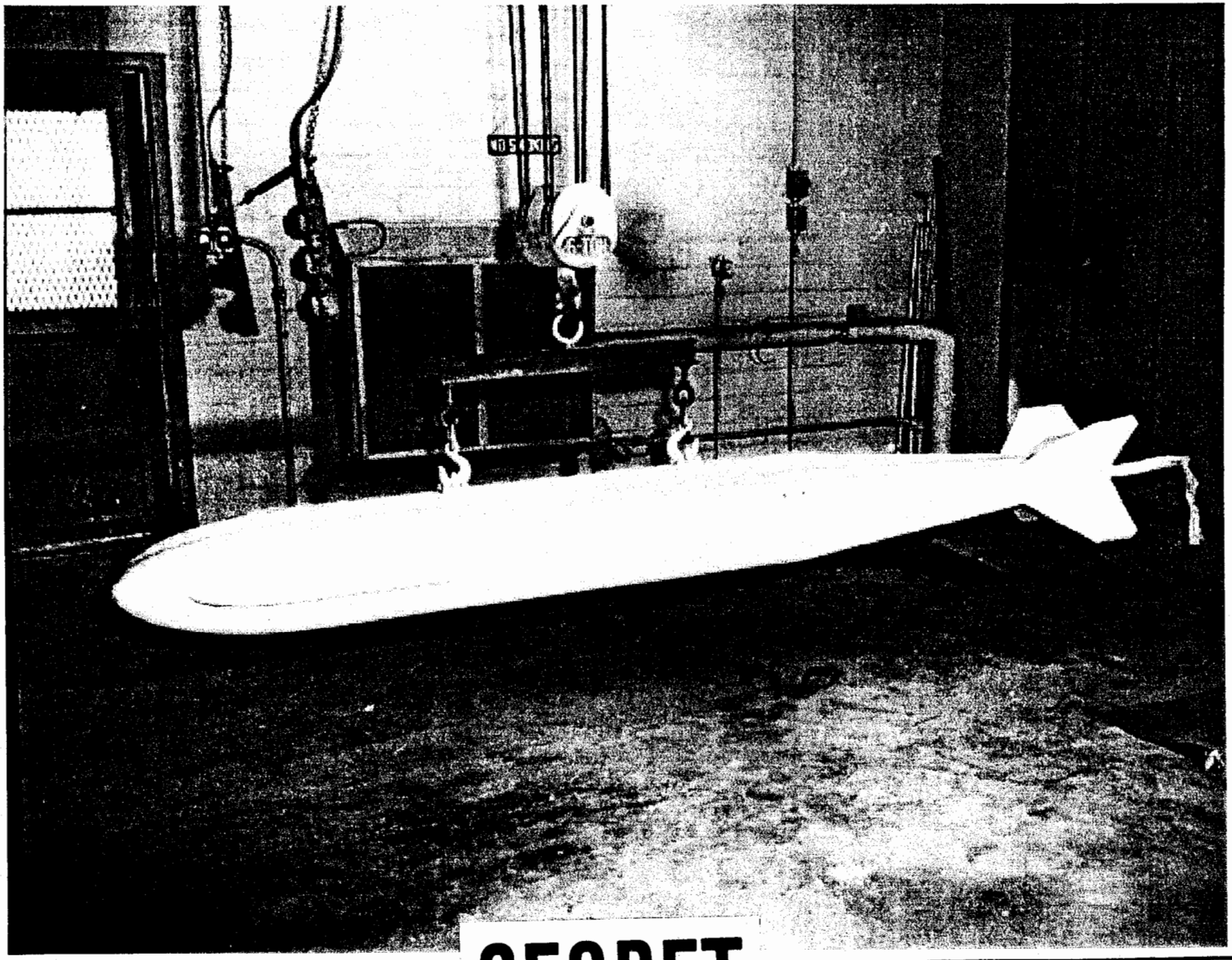

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[redacted] MK-8 With Farring on Nose

[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. Byrne	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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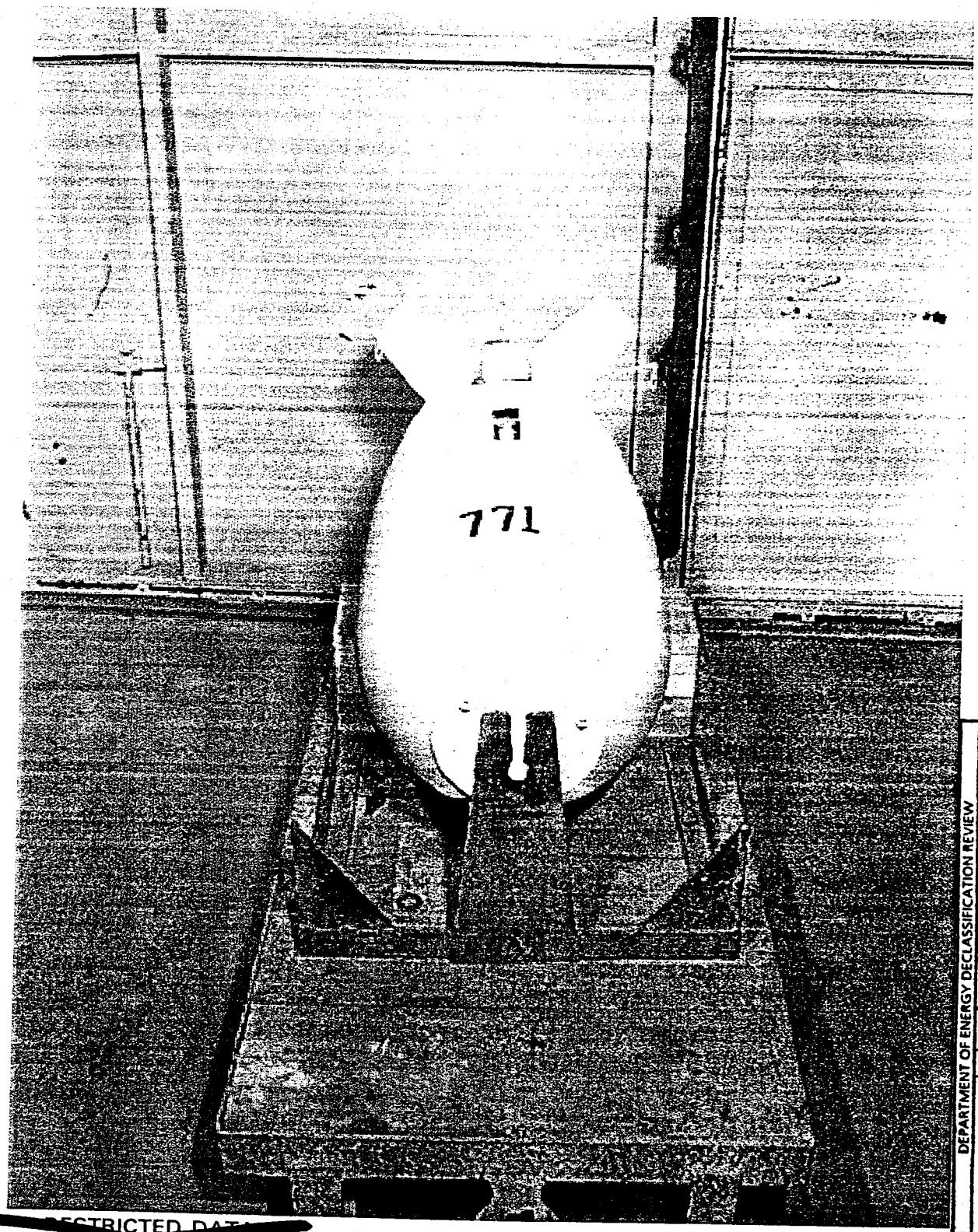

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 8/31/99 DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: DADC DADD 1. CLASSIFICATION RETAINED
NAME: W. Burns 2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
2ND REVIEW-DATE: 11/29/94 4. COORDINATE WITH:
AUTHORITY: ADD 5. CLASSIFICATION CANCELLED
NAME: Jim Young 6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):

[redacted]

This document [redacted] Data as defined in the Atomic [redacted] Act of 1954. Unauthorized [redacted] subject to Administrative and Criminal Sanctions.

[redacted] MK-4 Scale Model

[redacted]

(86)

99SA2016000219

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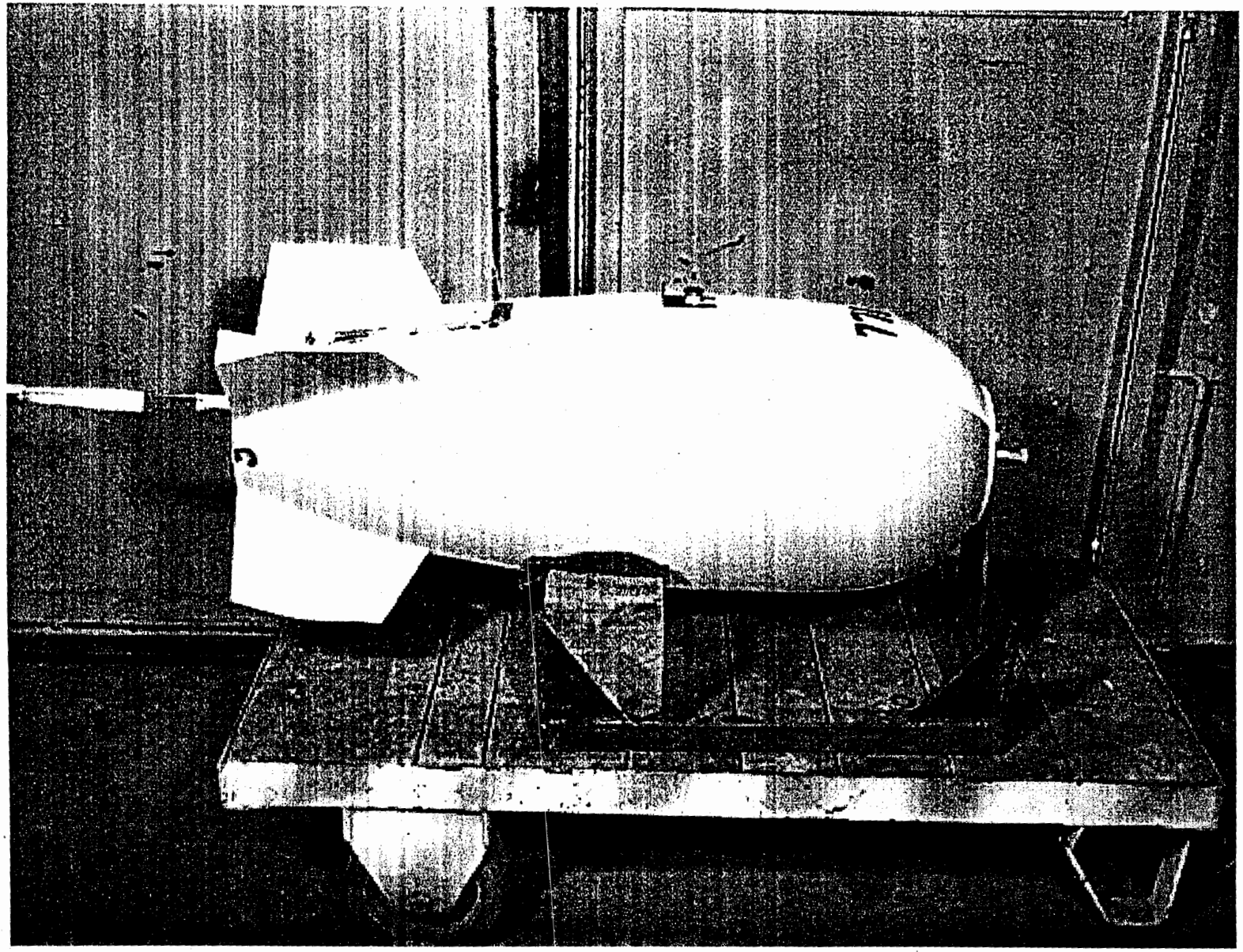

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[redacted]

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 Du	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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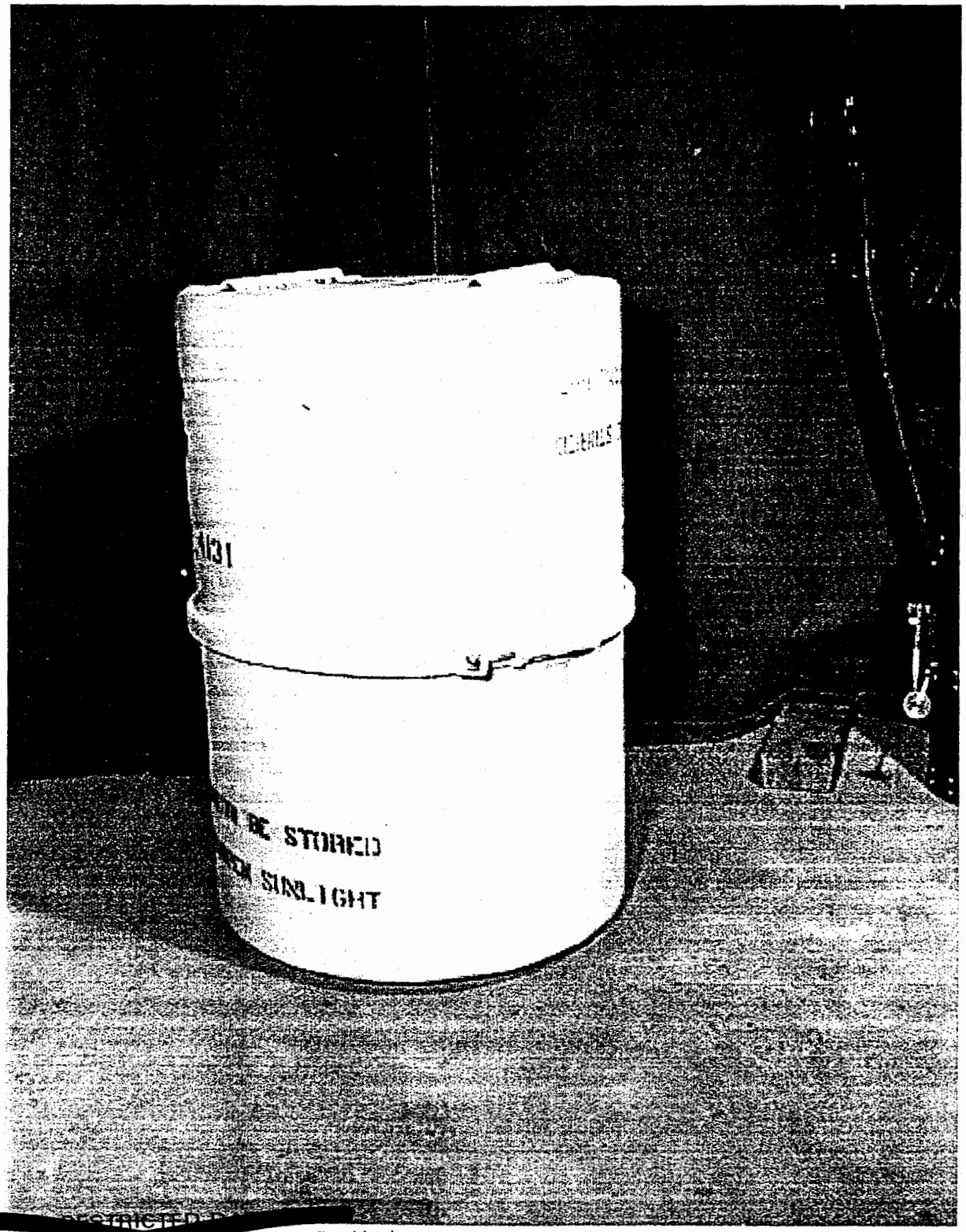

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This docum[redacted] Data as defined in the [redacted]ergy Act of 1954. [redacted] disclosure subject to Administrative and Criminal Sanctions.

S[redacted]ORMATION
MK-9[redacted]ing Procedures

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[illegible]	2. CLASSIFICATION CHANGED TO:
[redacted]D 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):

[redacted]

(88) 99SA20B000232

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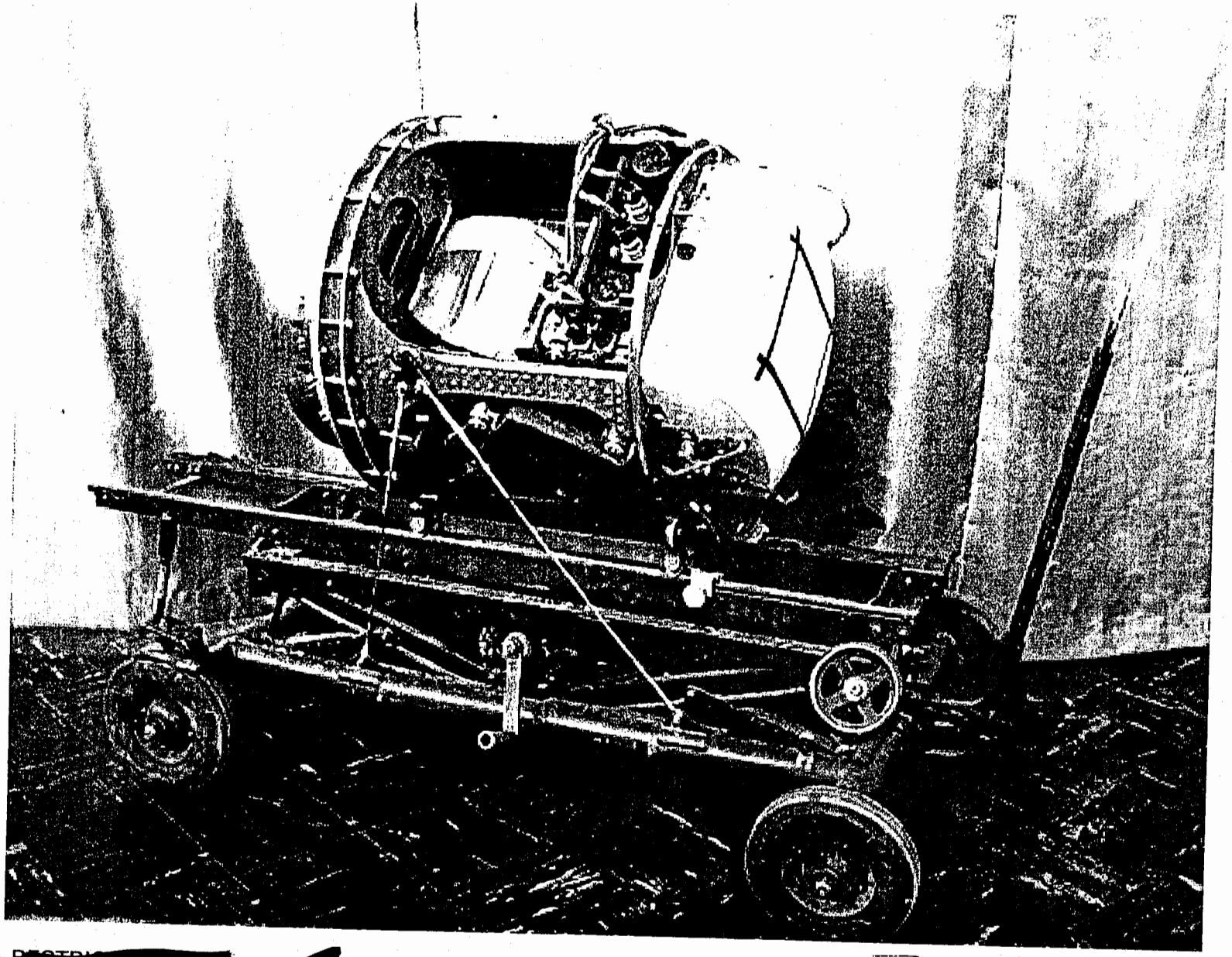

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This [redacted] in the Atomic Energy [redacted] disclosure subject [redacted] Administrative and Criminal Sanctions.

S[redacted] MK-5 Fuze

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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 Dei	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 12/7/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenstreet	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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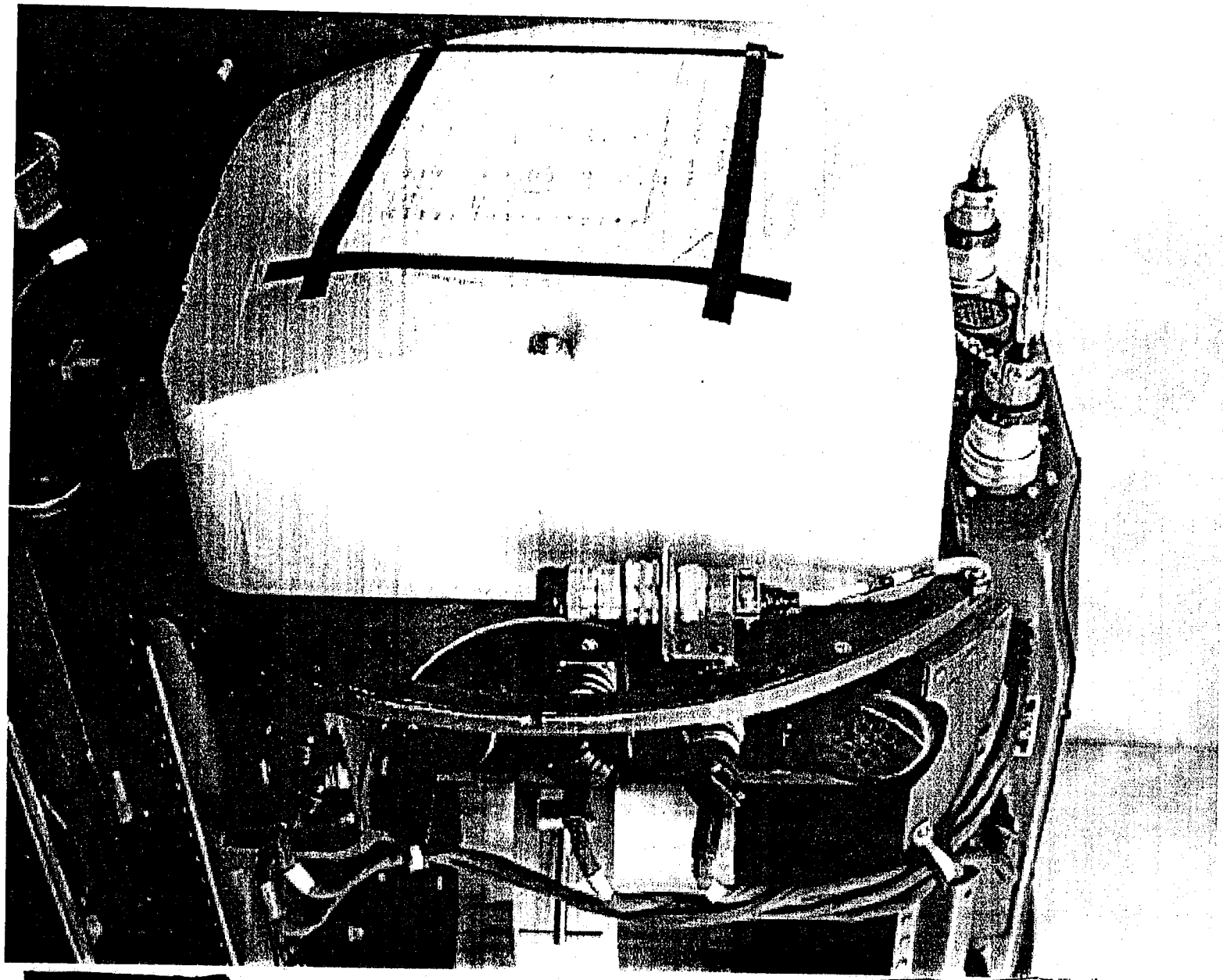

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Th[redacted]ntains Restricted Data [redacted] the Atomic Energy [redacted]orized disclosure su[redacted]

SECRET [redacted] Fuze

[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 [illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 12/7/99	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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SAB200164550000

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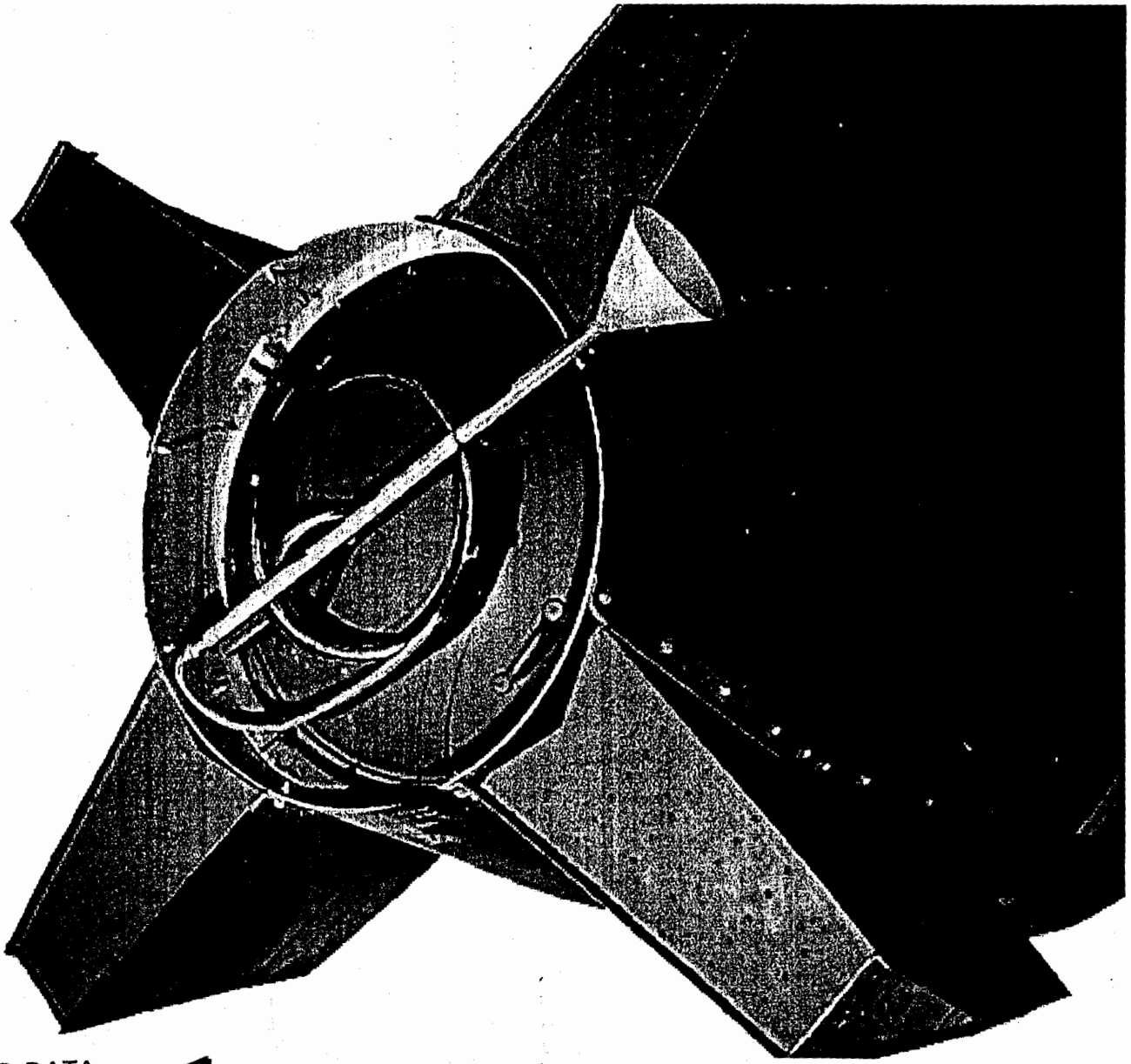

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SAB20016656000

RESTRICTED DATA

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[redacted] DRAG CONE EXTENDED MK6

[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 Davis	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenfield	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

99SA20B0002

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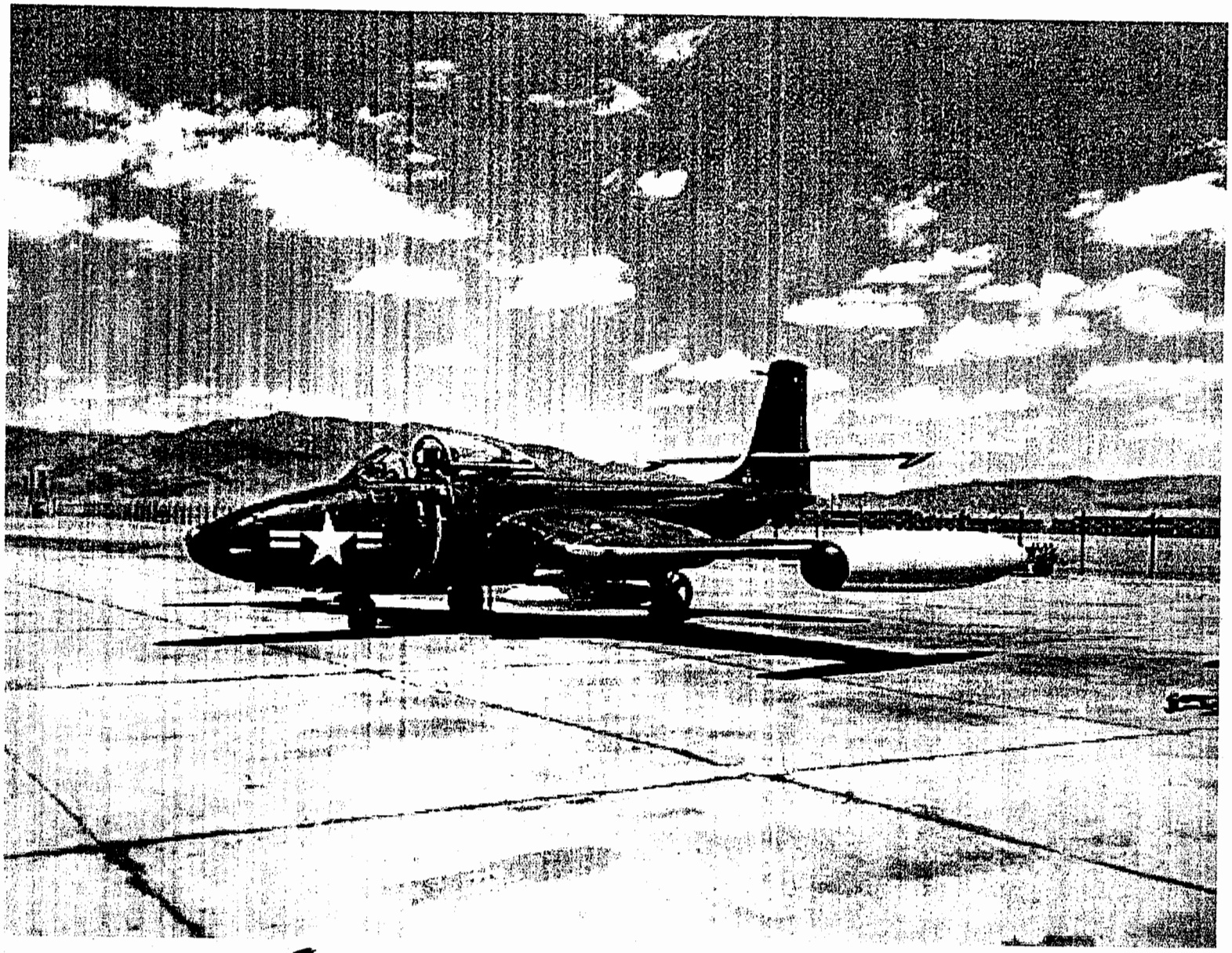

RESTRICTED DATA

[redacted] as defined in the Atomic [redacted] Unauthorized disclosure subject [redacted] Sanctions.

[redacted] Navy F2H-2 with MK VIII Mounted on Pylon

[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 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 Greenaf[illegible]	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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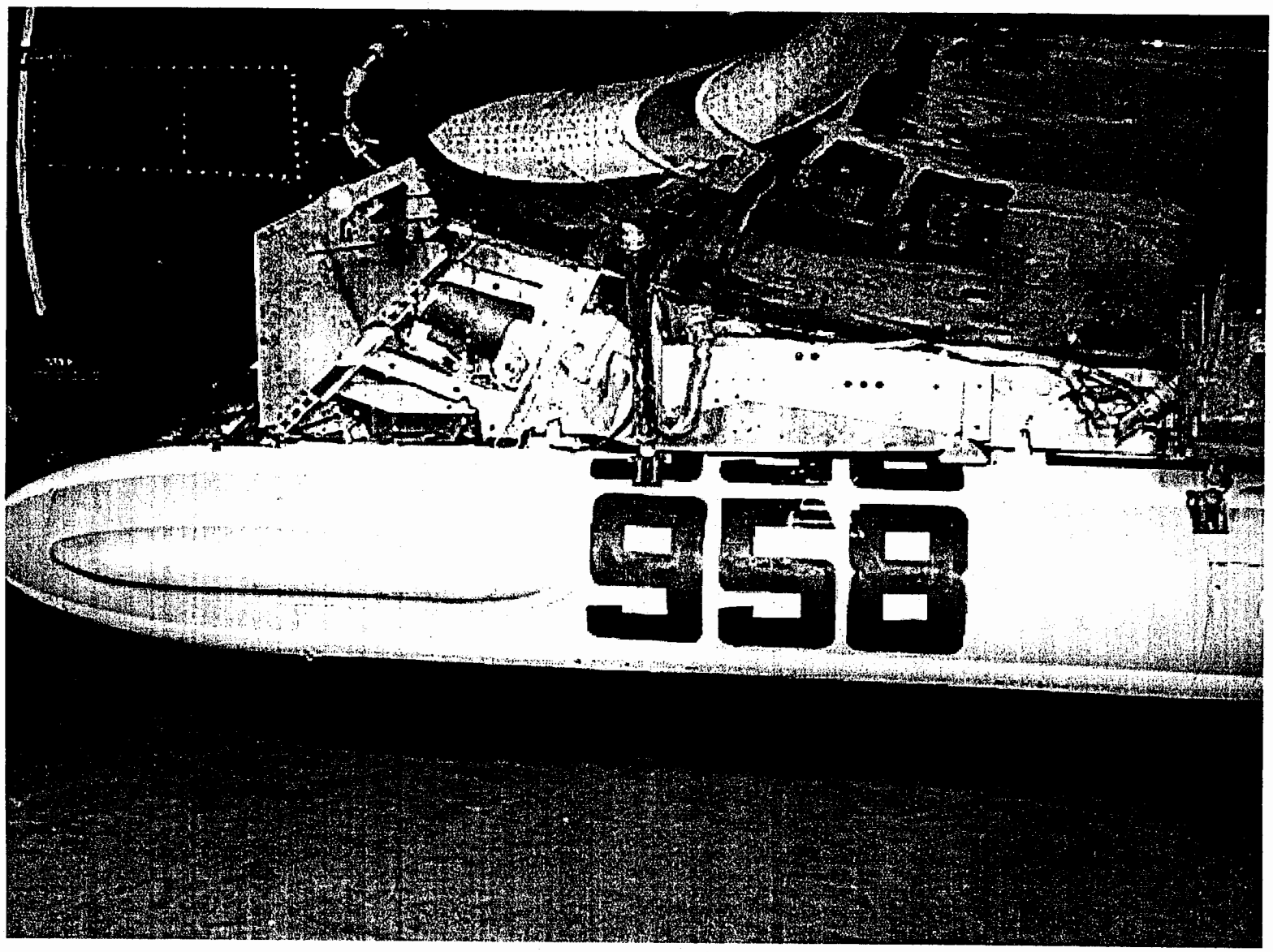

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ AOC ☒ ADC ☐ ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: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

RESTRICTED DATA

This Document contains R[redacted]lined [redacted] 1954. Unauthorized discl[redacted]ubject to Admi[redacted] Criminal [redacted]tions.

[redacted] MK-8 [redacted]d on Pylon of F2H-2 with P[redacted]iring Removed

[redacted]

SH/B20016658000

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[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 Dr	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/19/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenfield	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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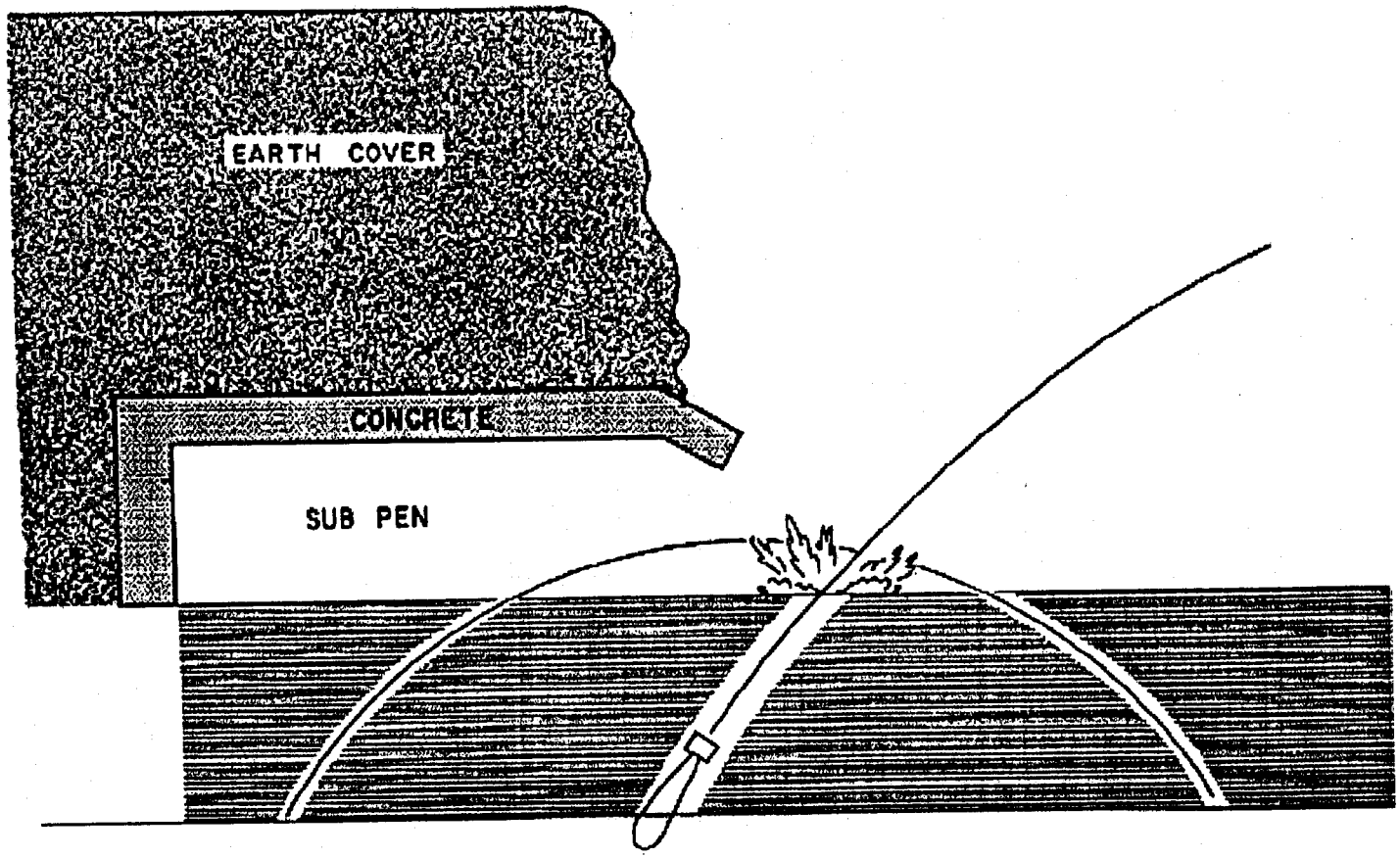

TYPICAL MK 8 TACTICAL FUNCTION

RESTRICTED DATA
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SECURITY INFORMATION

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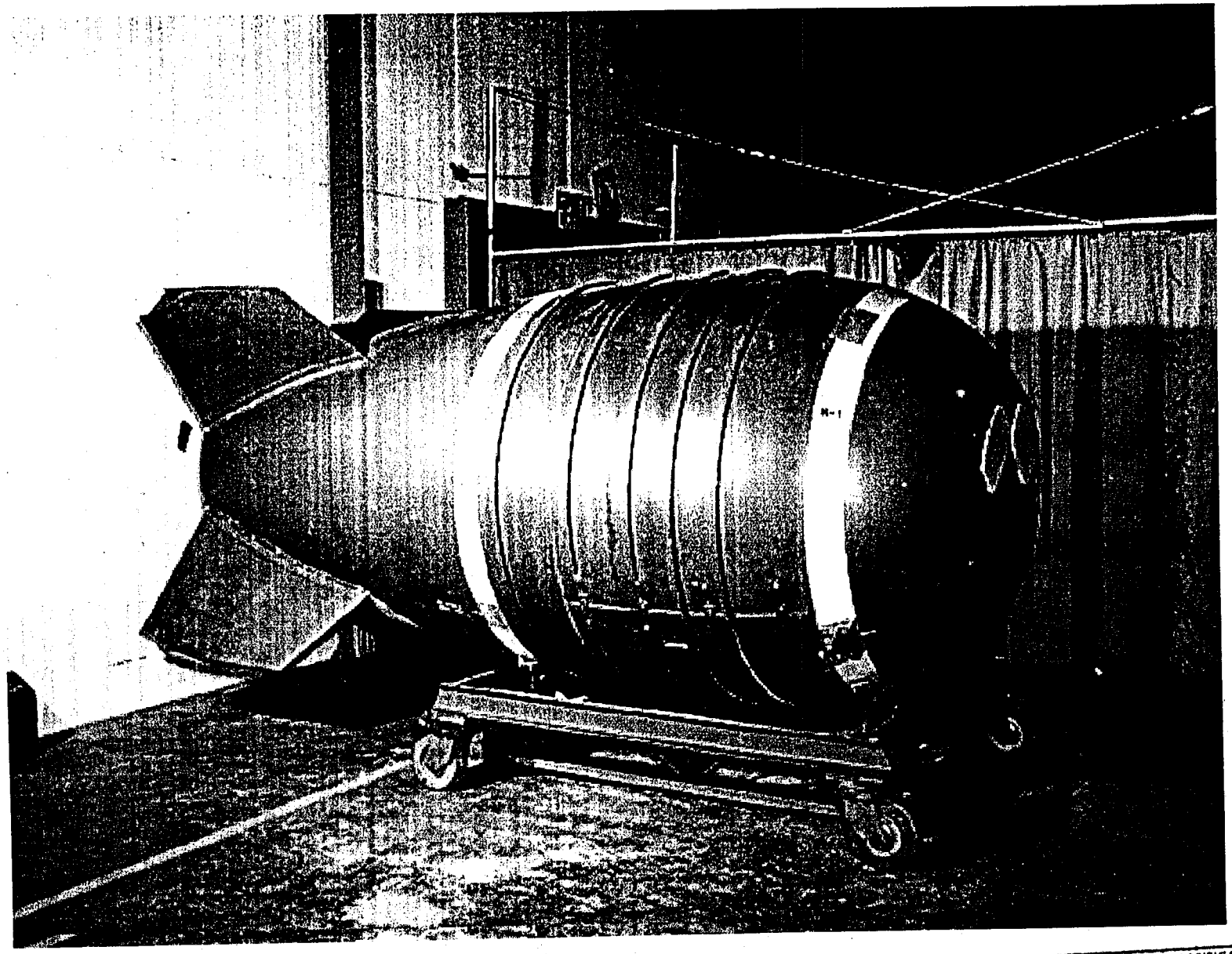

RESTRICTED DATA

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~~CONFIDENTIAL~~

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 [illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	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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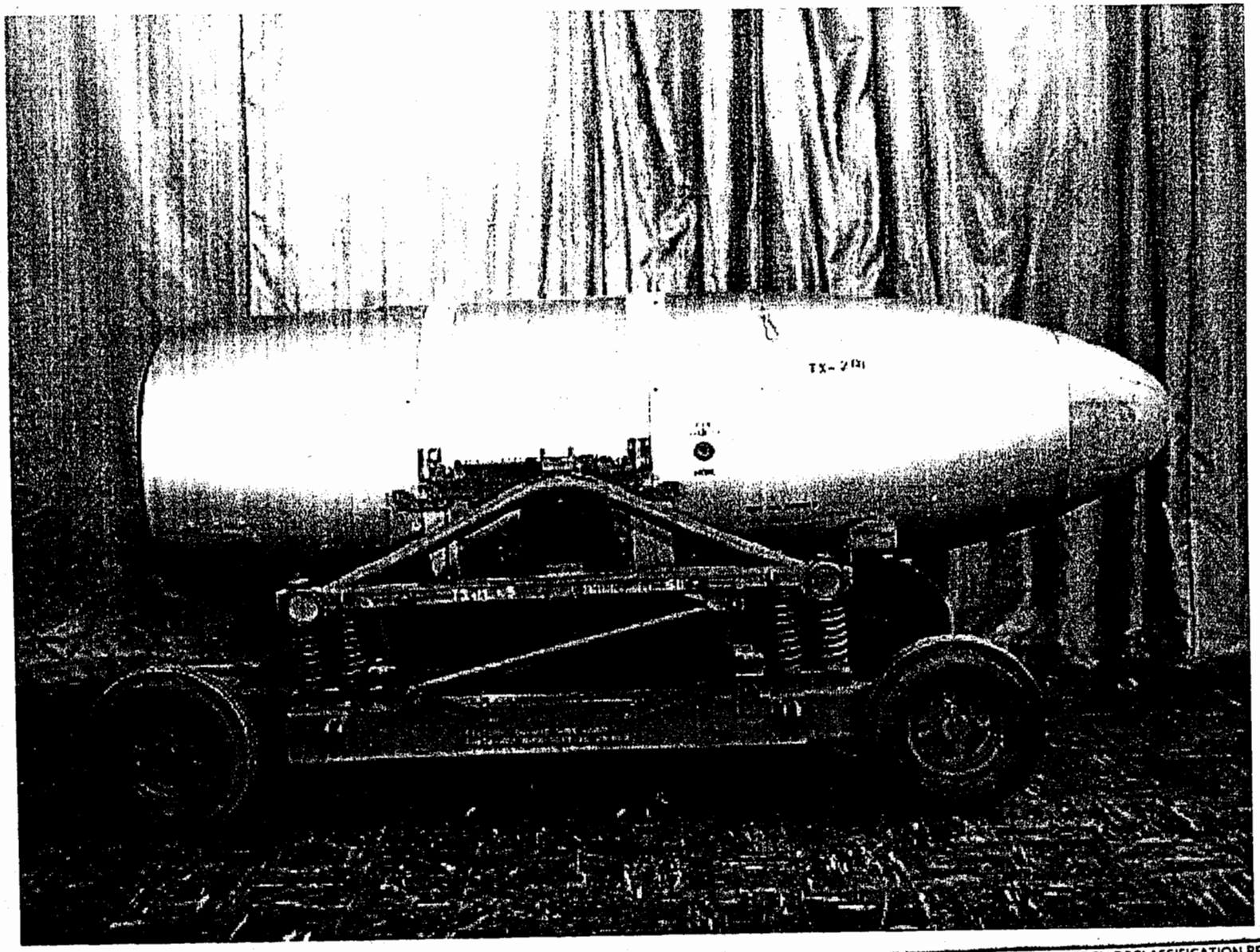

RESTRICTED DATA

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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[illegible]	2. CLASSIFICATION CHANGED TO: ____
2ND REVIEW-DATE: 11/24/99	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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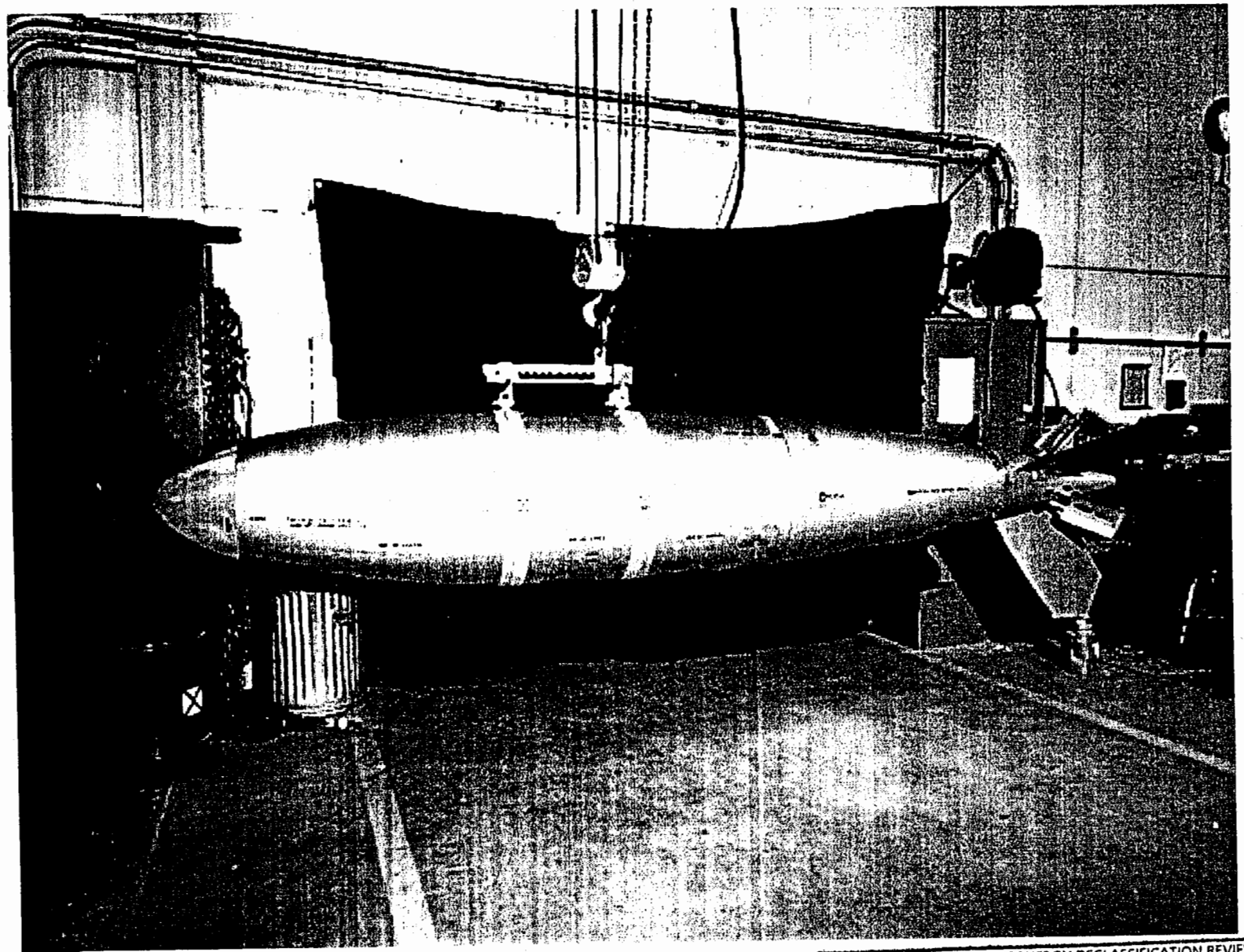

RESTRICTED DATA

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CONFIDENTIAL

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[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	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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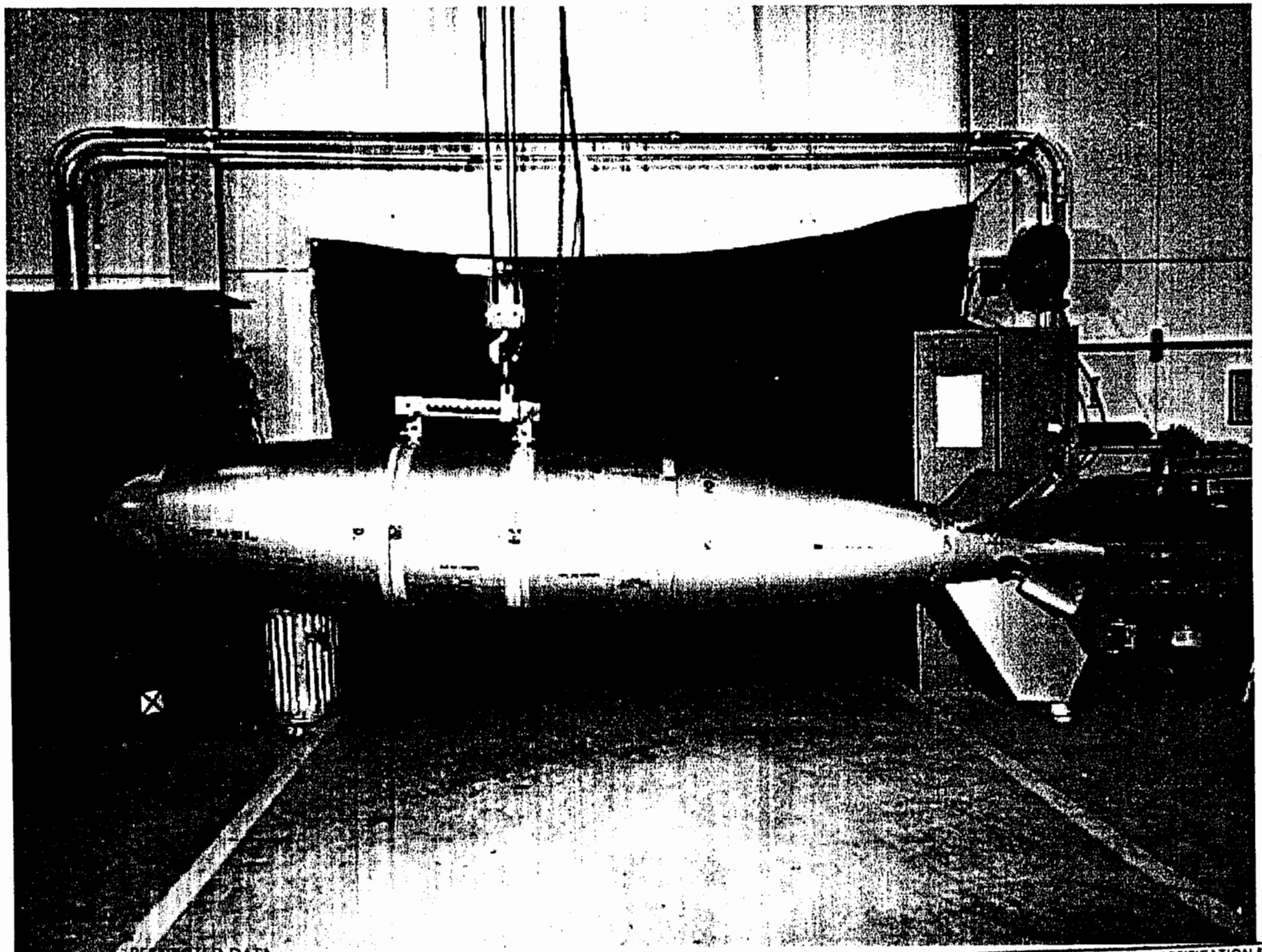

RESTRICTED DATA

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[redacted] MK–7 MOD 0

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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[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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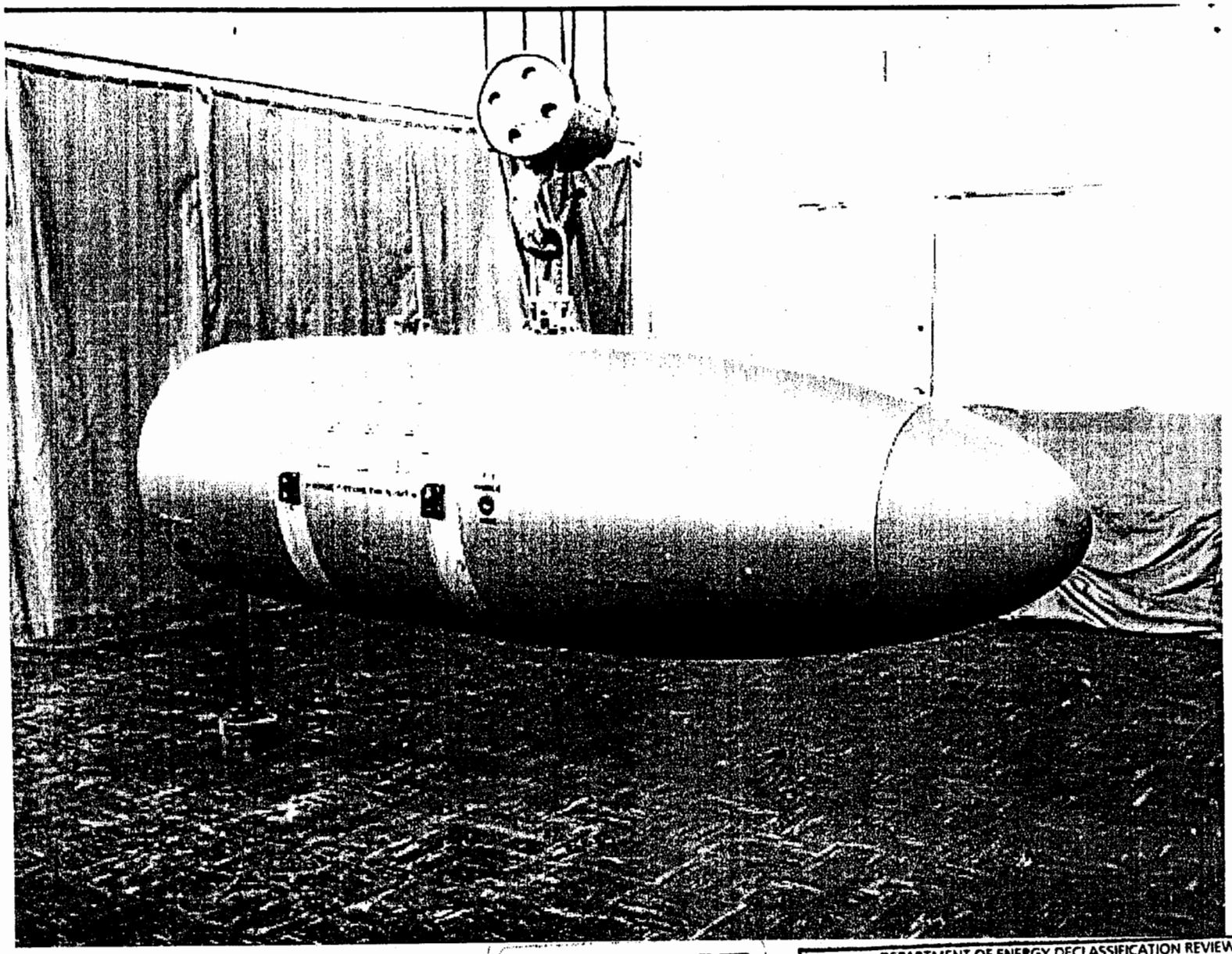

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This Document contains Restric[redacted] as defined in the [redacted] 1954. Unauthorized disclosure [redacted] to Administrative [redacted] Sanctions.

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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 Davis	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):

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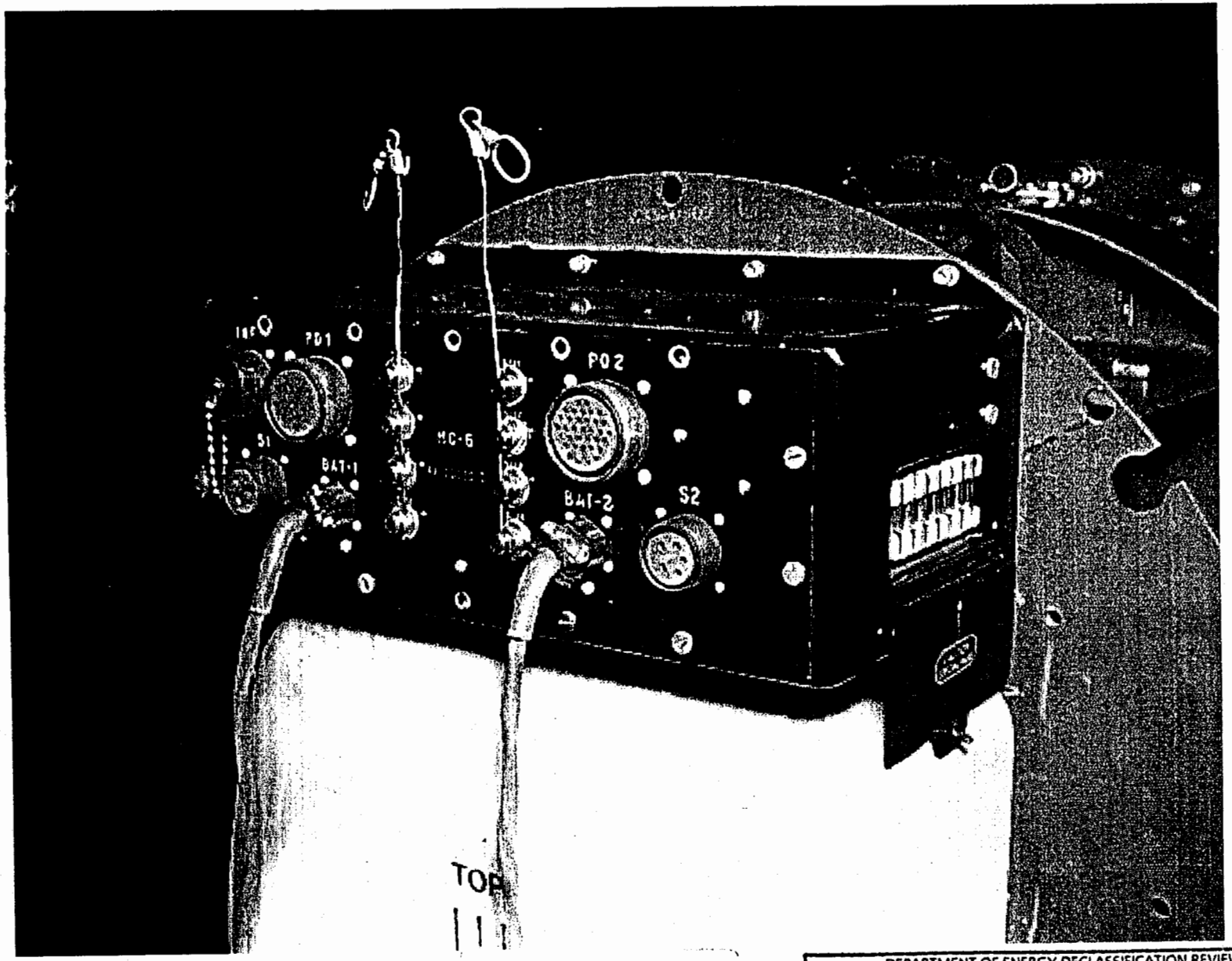

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This Document contains [redacted] Unauthorized [redacted] disclosure [redacted] ions.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/2/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byrne	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 12/7/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenberg	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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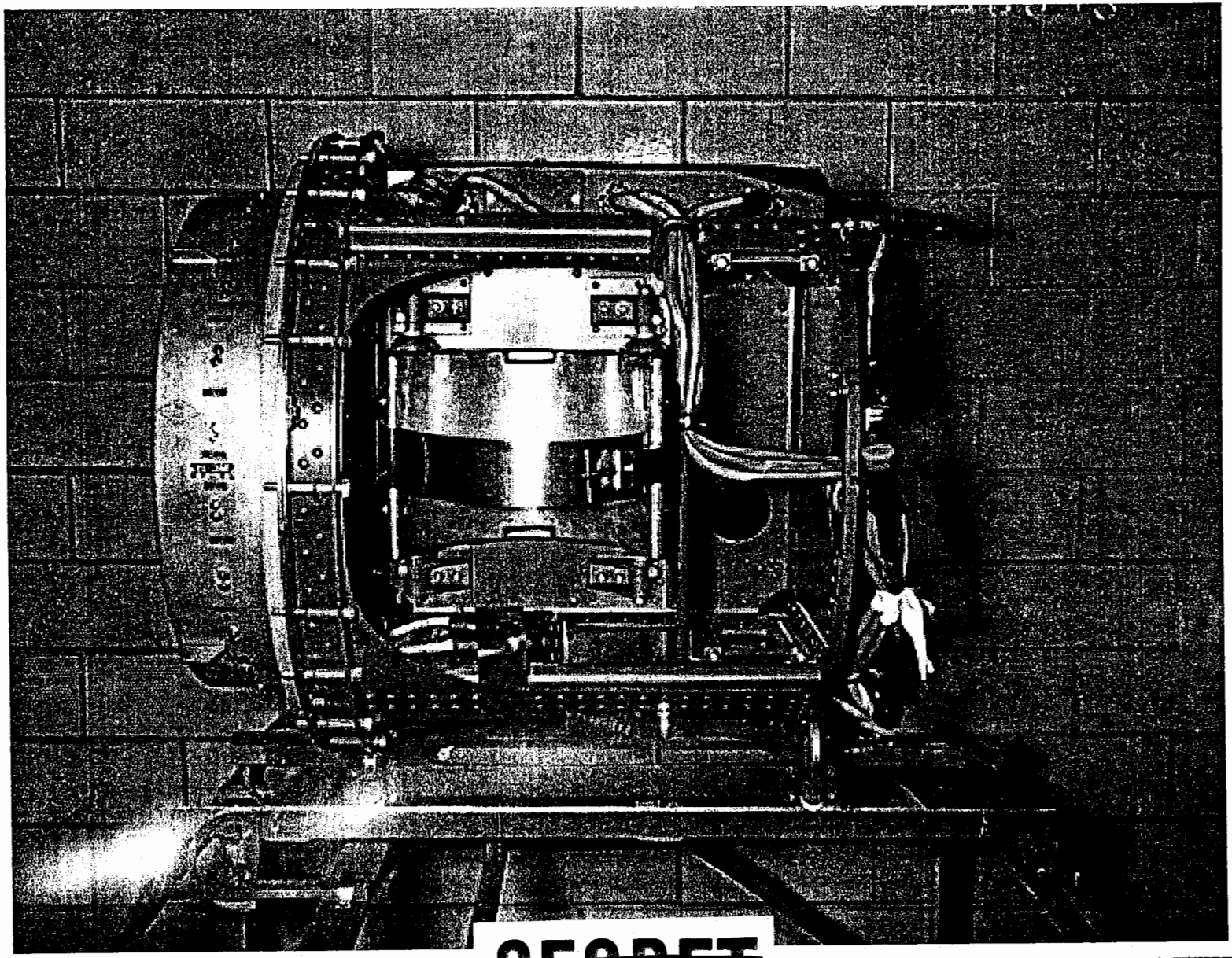

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[redacted] MK5, Mod 2F

[redacted] ...ined in the Atomic Energy Ac... ...ure subject ... ...ive and Criminal Sanctions.

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: 12/7/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

SAB2001 6649000

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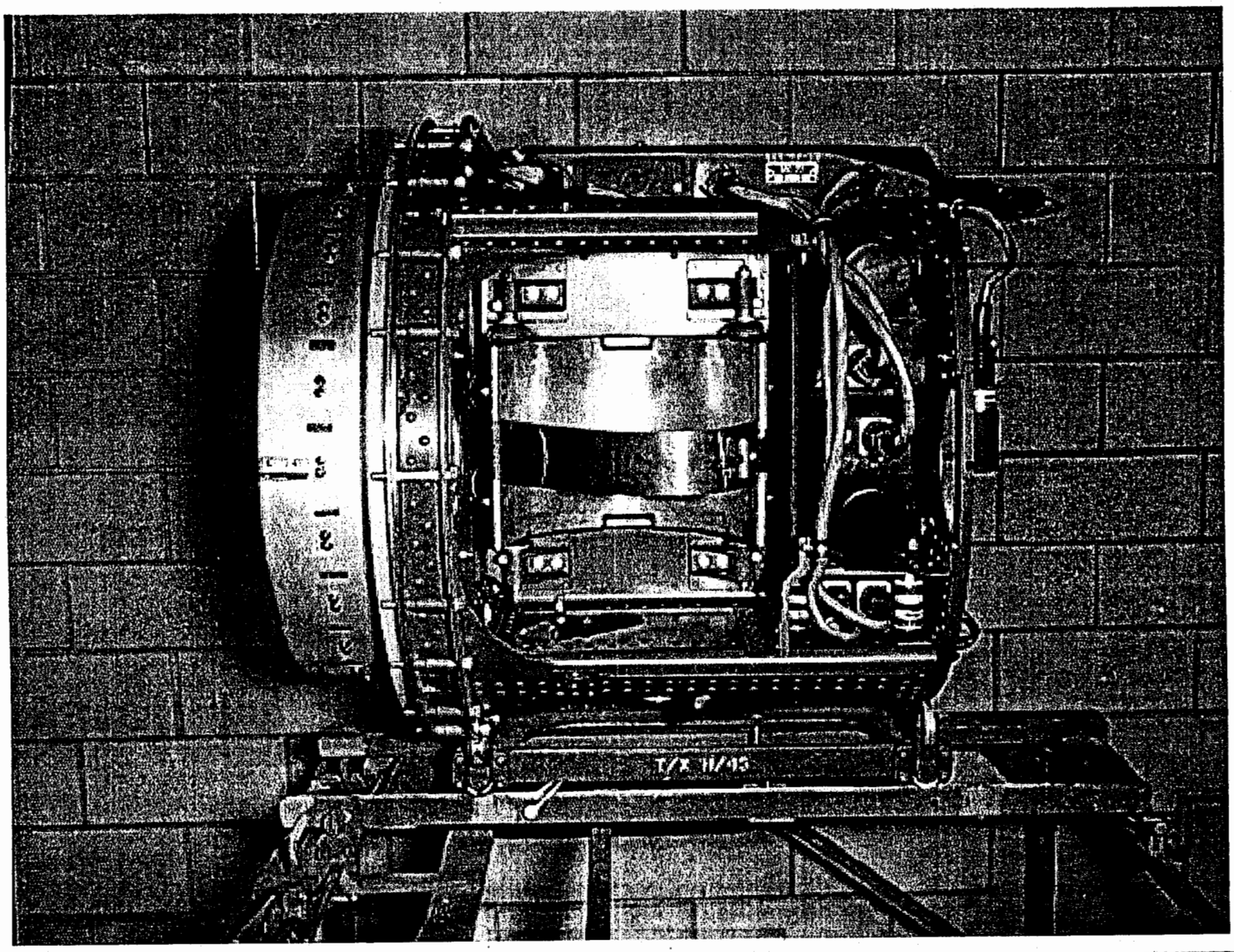

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[redacted] MK 5, Mod 2 F

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: 12/7/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greening	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

T[redacted] in the A[redacted] disclosure sub[redacted] Criminal Sanct[redacted]

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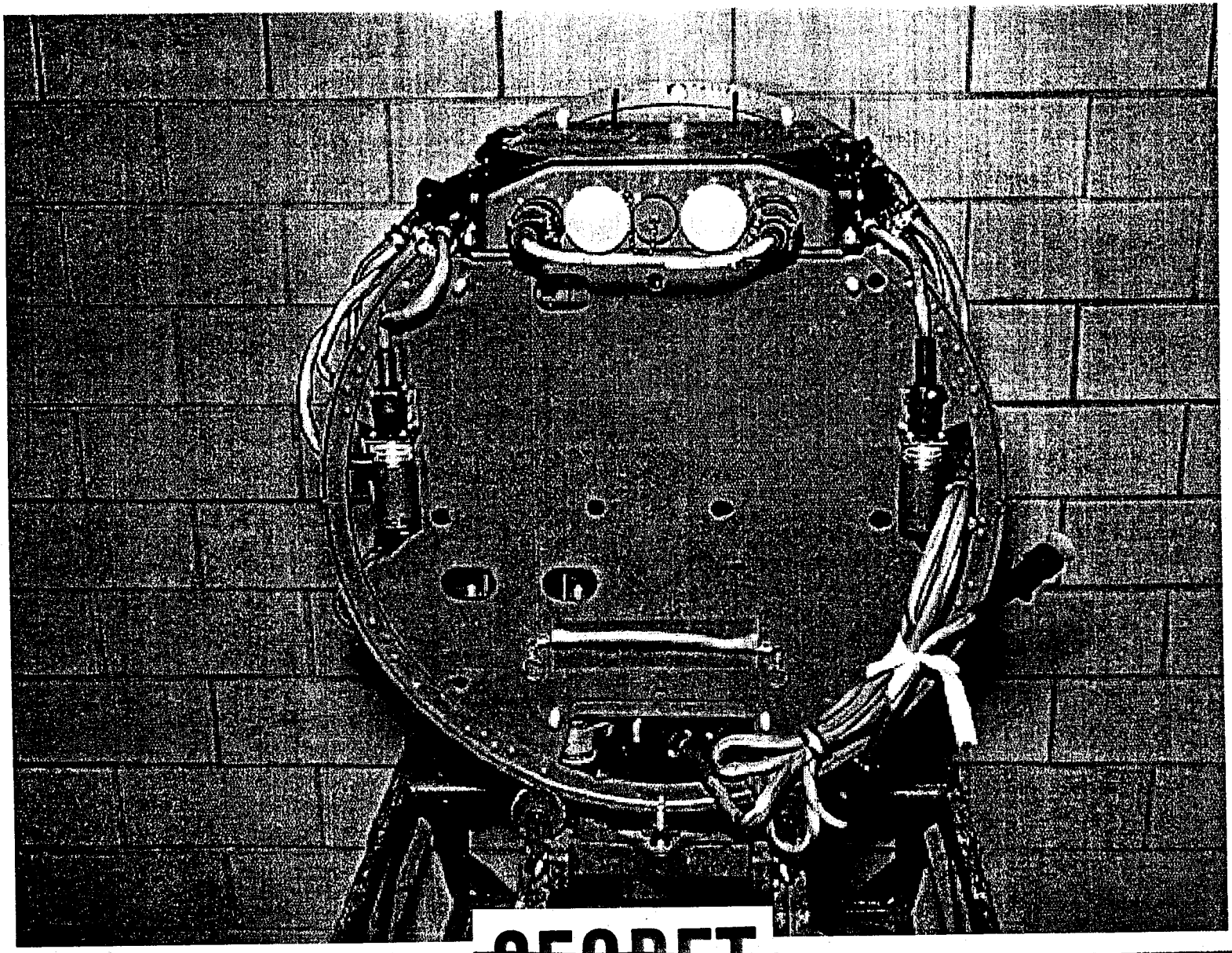

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/2/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron [illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 12/7/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greening	(5) CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

RE[redacted]

Thi[redacted]e
Atomic [redacted] disclosure
su[redacted] Administrative and Criminal [redacted]

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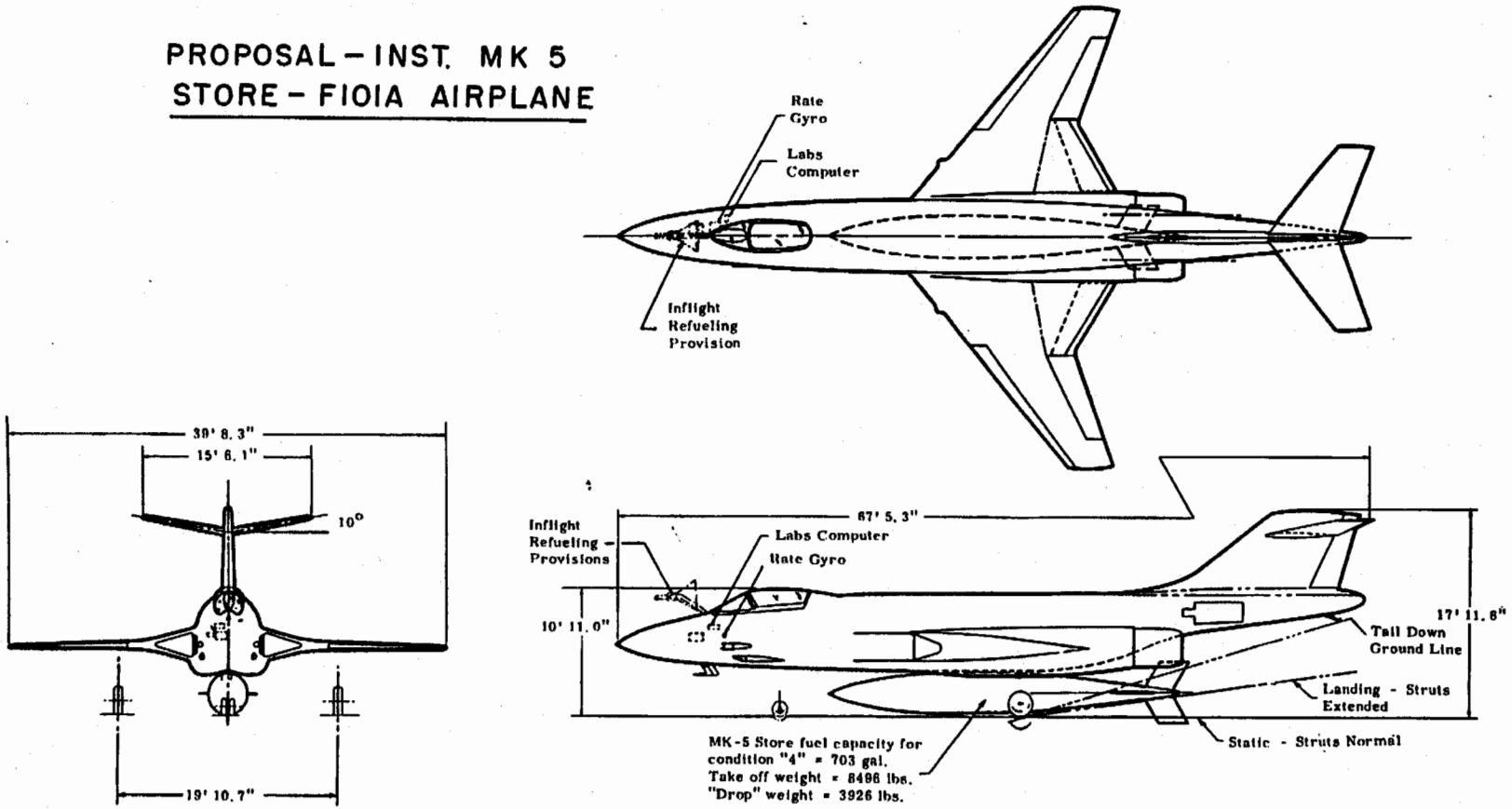
PROPOSAL – INST. MK 5 STORE – F101A AIRPLANE



104

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~~This document contains Restricted Data [illegible] in the Atomic Energy Act [illegible] 1954 [illegible] authorized disclosure [illegible] and Criminal Sanction~~

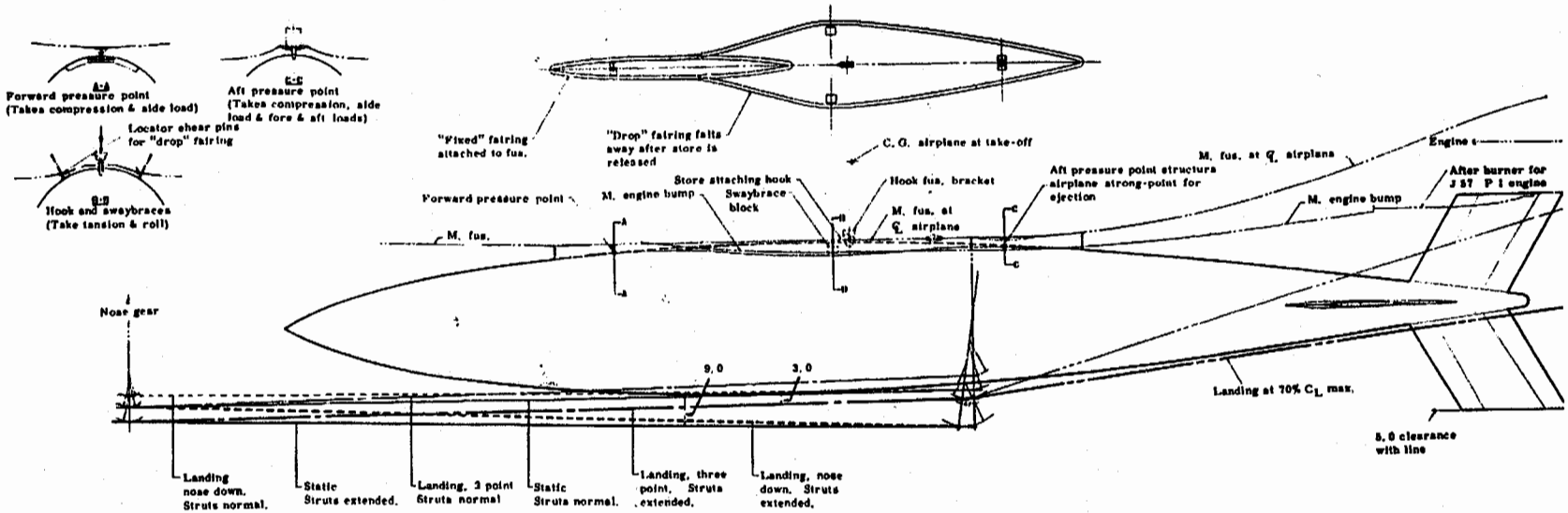
[redacted]F101A Plane Carrying MK5

~~SECRET~~

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):

~~SECRET~~

MK 5 STORE F101A AIRPLANE



105

[redacted] MK5 on F101A Airplane

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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: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

SAB200166730000

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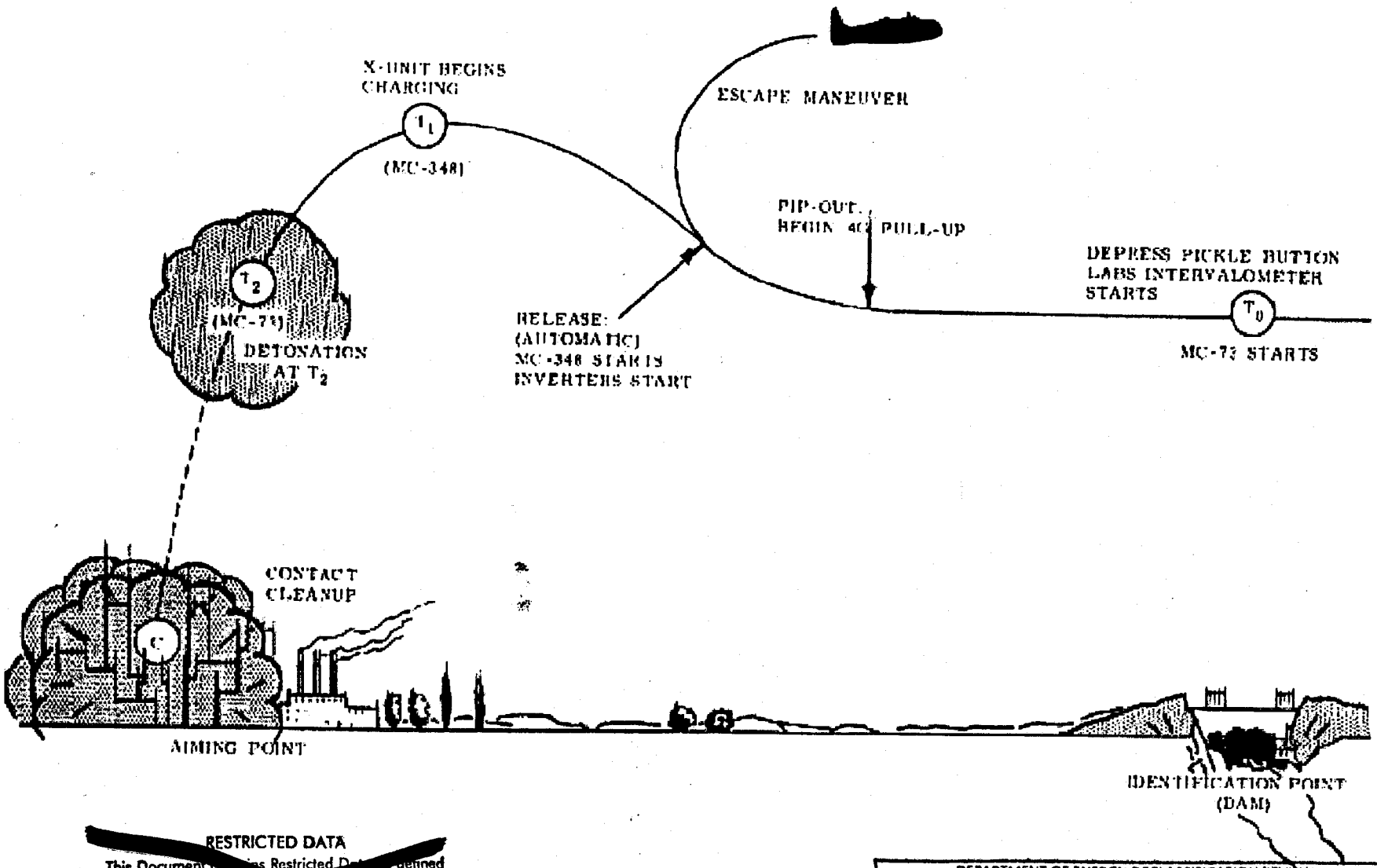
[redacted]

ME 12 SEQUENCE OF OPERATION

LOW ALTITUDE DELIVERY



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[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 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 Greening	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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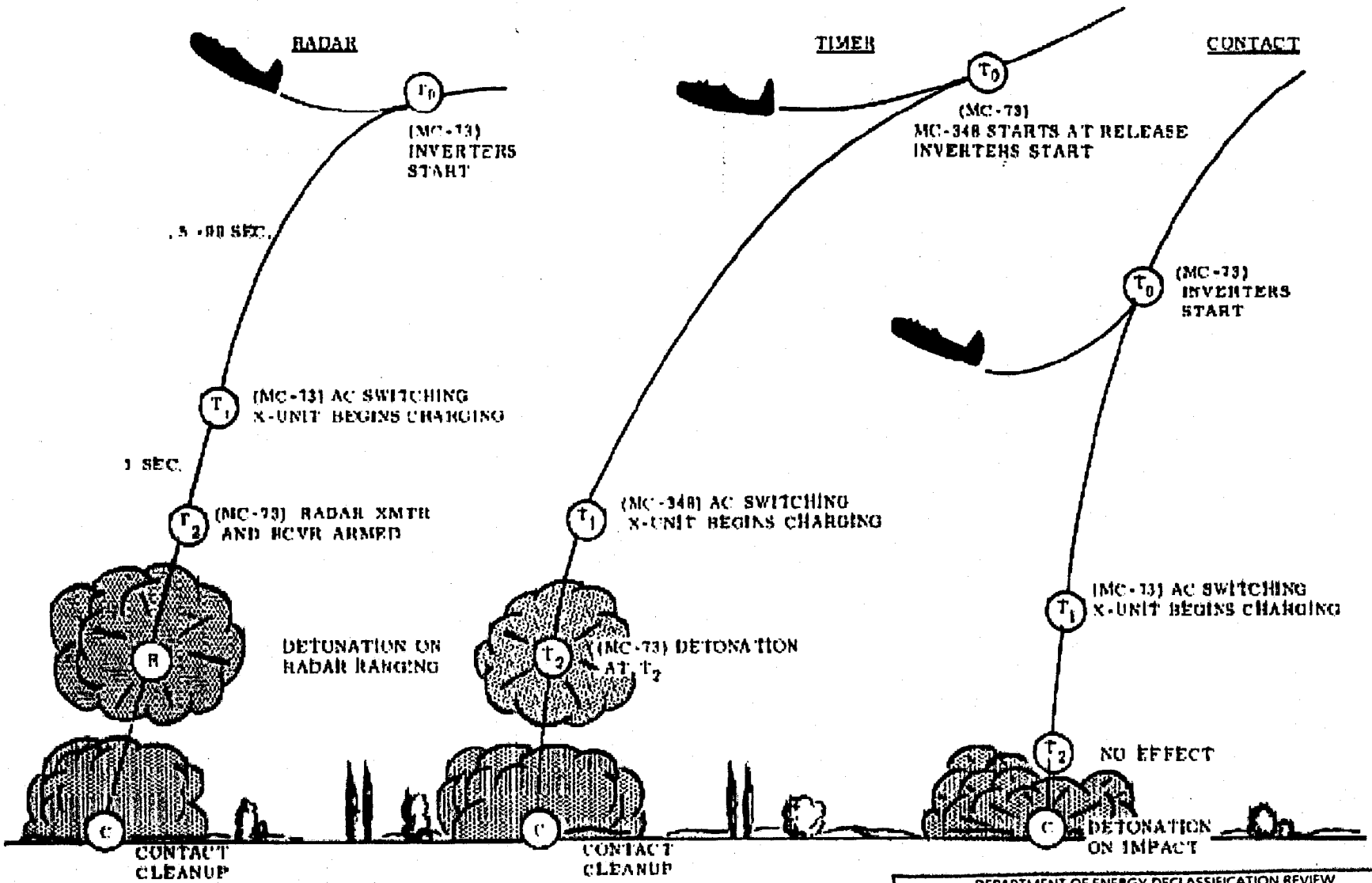
MK 12 SEQUENCE OF OPERATION



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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: 11/24/99	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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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

SK(1713) 32336

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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):

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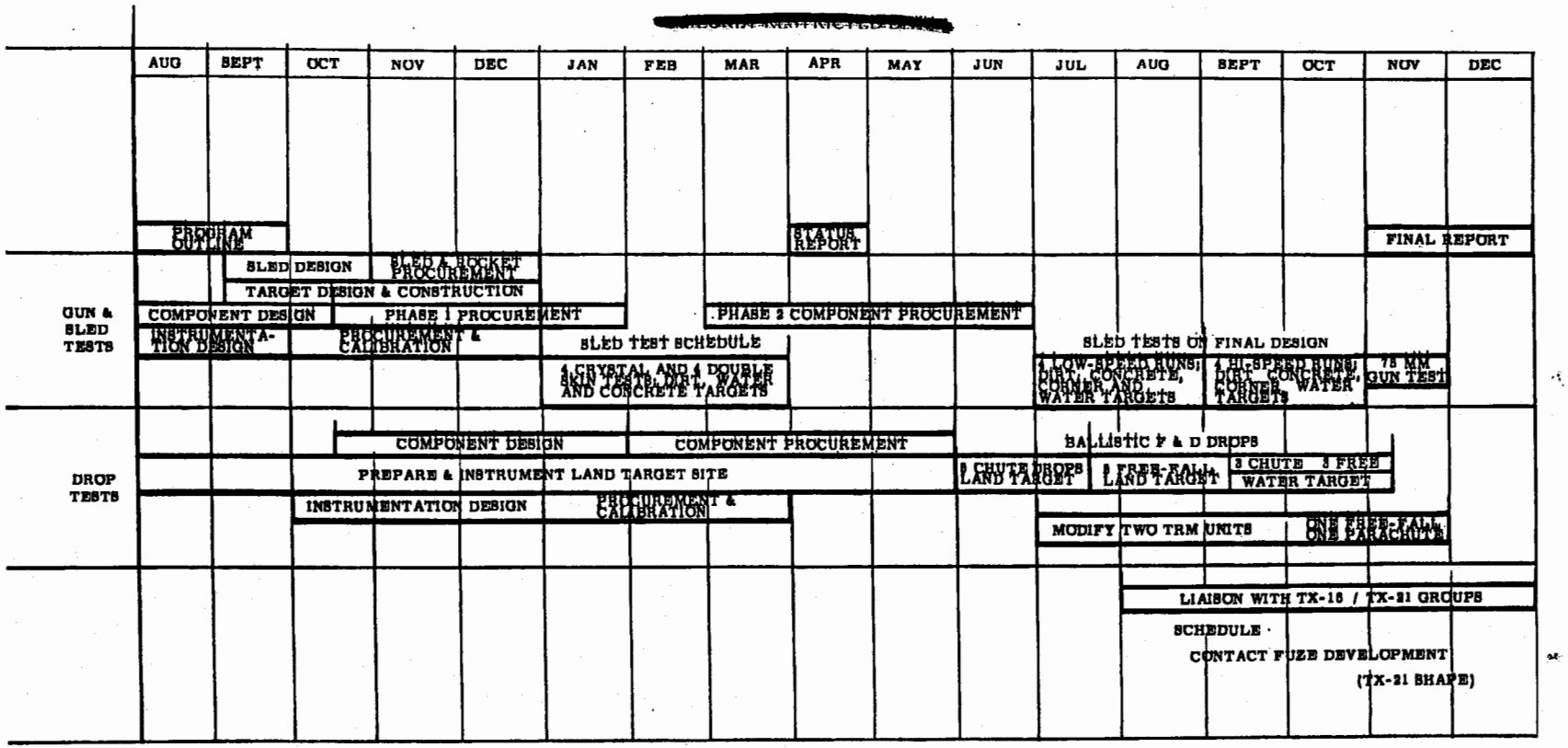

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SRD

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):

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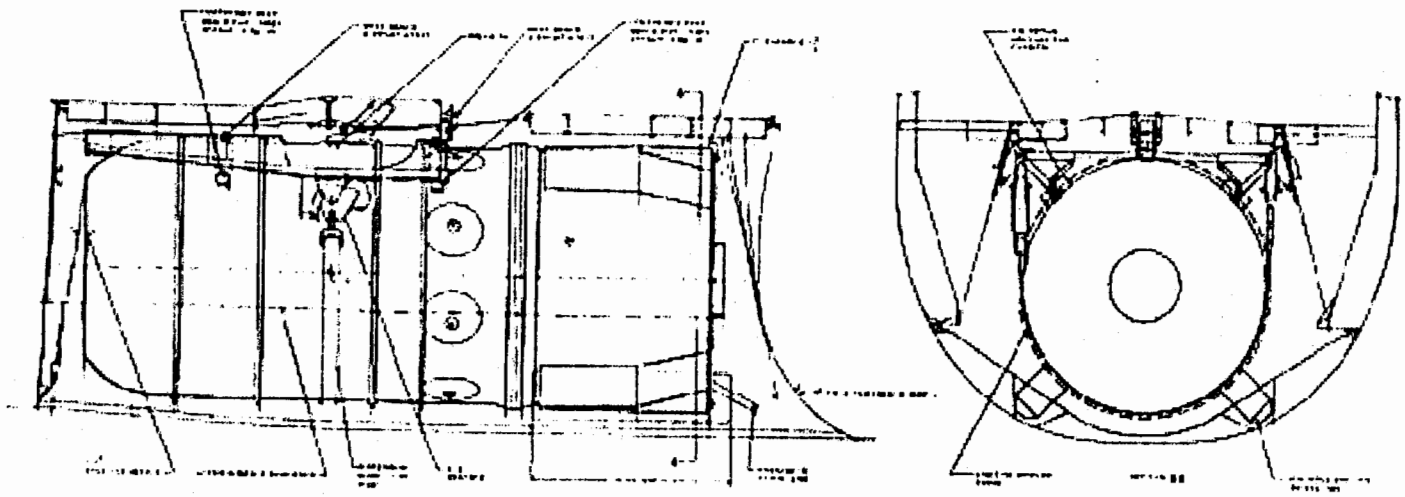

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INSTALLATION TX-21 IN B-47 BOMB BAY

[redacted]

RESTRICTED [redacted]

This Document cont[redacted]estricted Data as defined in the Atomi[redacted]ergy Act of 1954. Unauthorized disc[redacted] subject to Administrative and Criminal [redacted]ctions.

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[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 4/26/00	~~3. CONTAINS NO DOE CLASSIFIED INFO~~
AUTHORITY: ADD	~~4. COORDINATE WITH:~~
NAME: Jim [illegible]	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): PER AF MEMO. DATED 4/18/00

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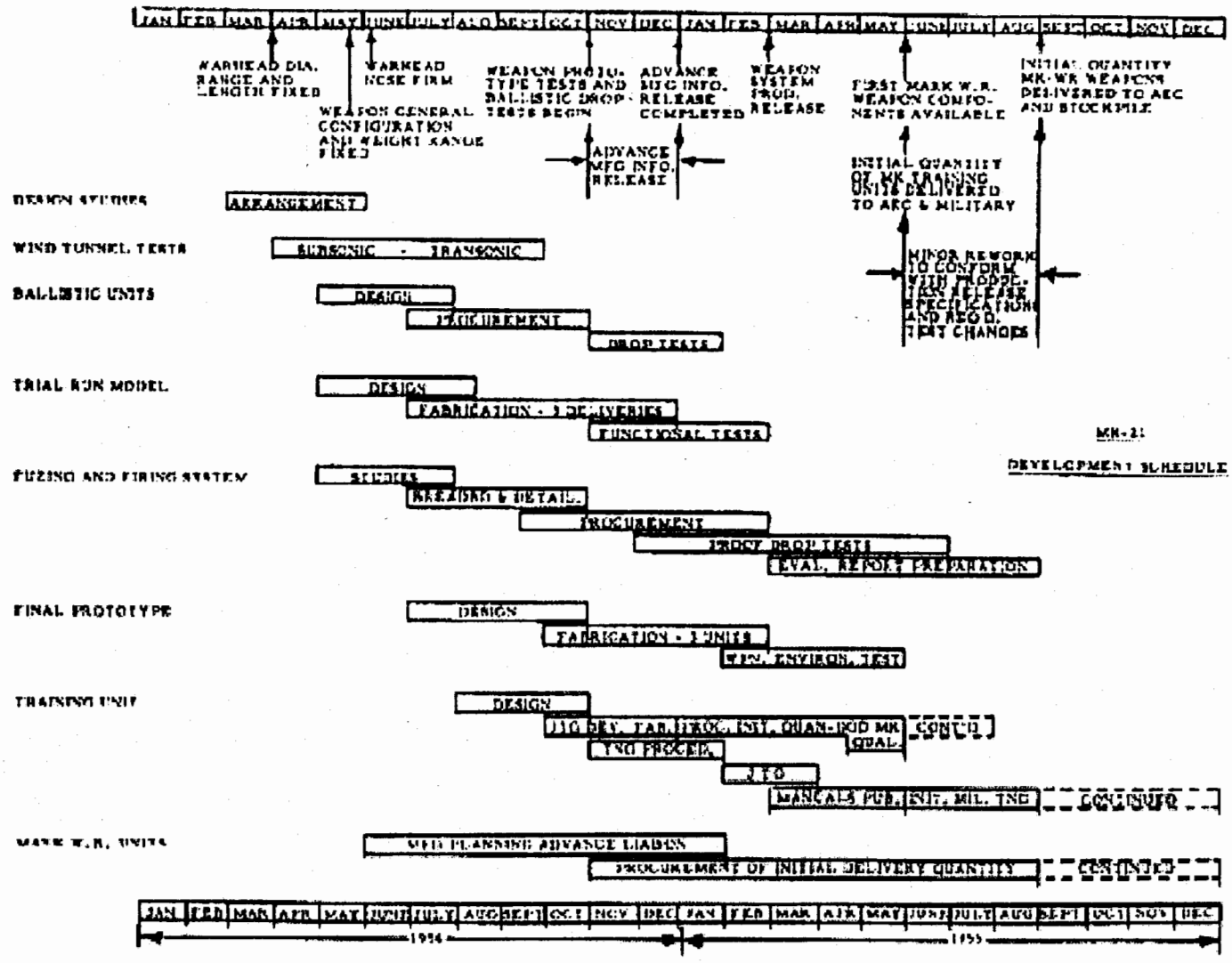

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~~This Document contains Restricted Data as defined in the Atomic Energy Act of 1954. Unauthorized disclosure subject to Administrative and Criminal Sanctions.~~

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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	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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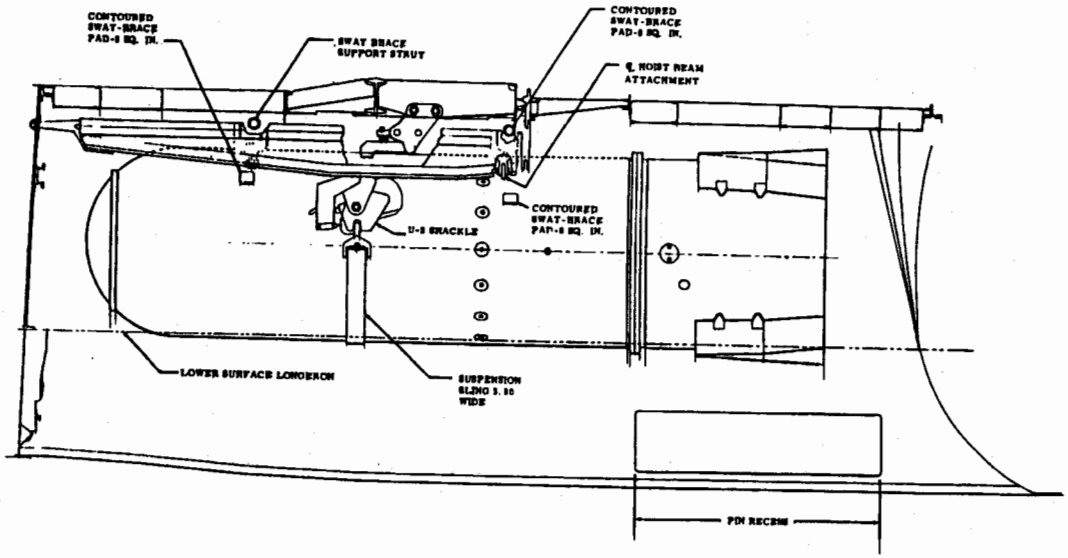

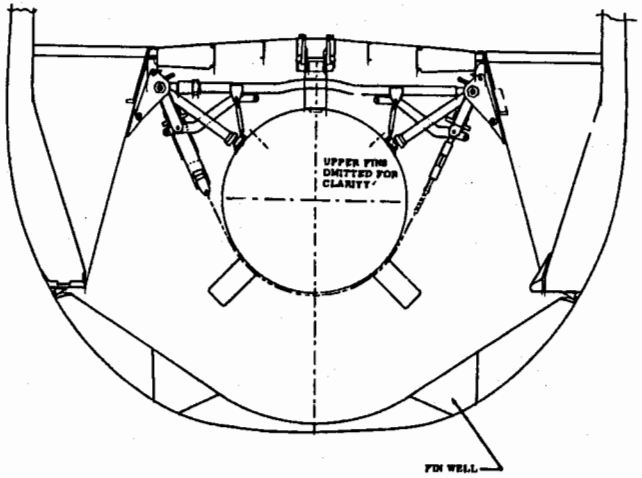

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MK-15 IN B-47 BOMB BAY

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~~RESTRICTED DATA~~
~~This Document [illegible] Restricted Da[illegible] defined in the Atomic Energy Ac[illegible] Unauthorized disclosure su[illegible] Administrative [illegible] Sanctio[illegible]~~

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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 Dai	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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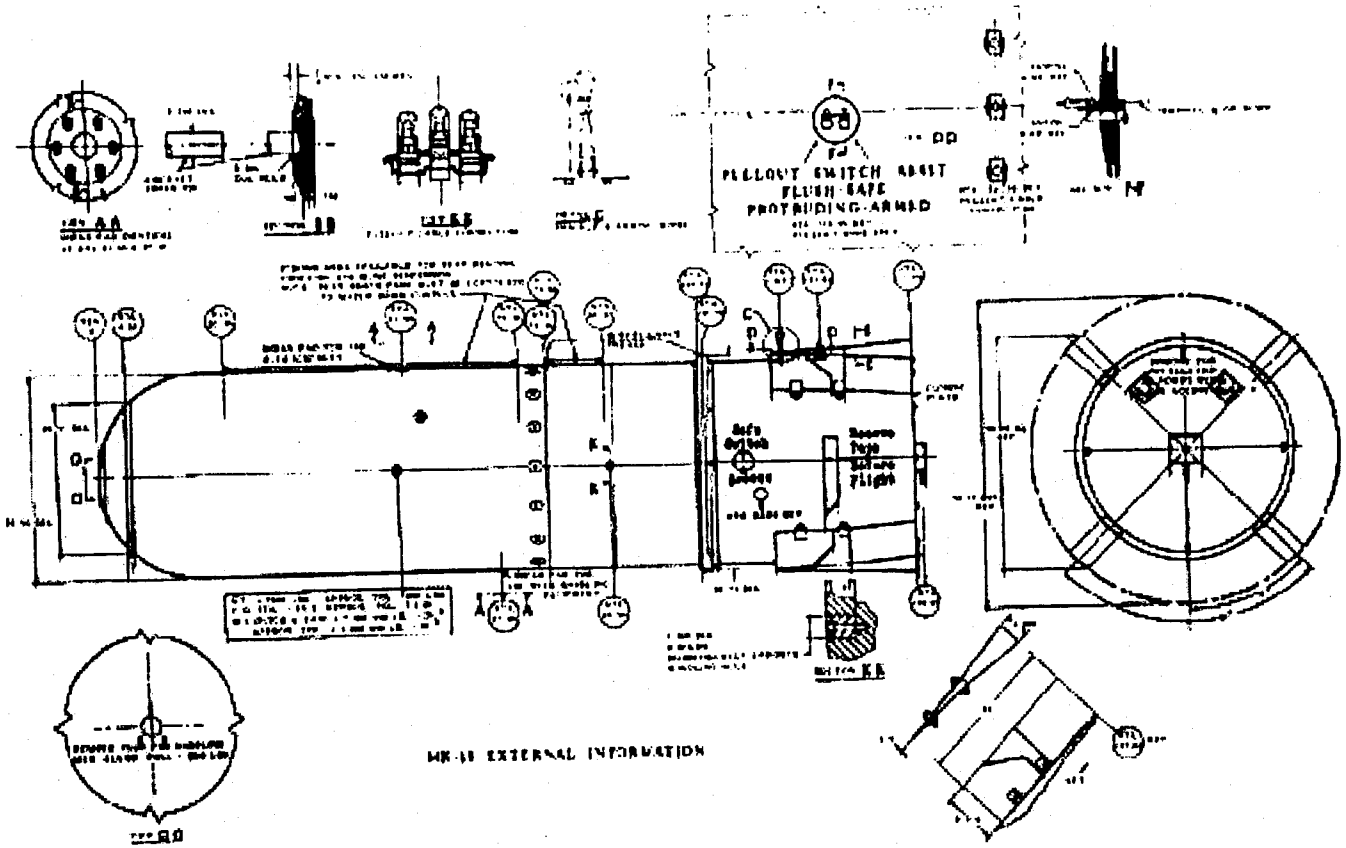

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Bryan Dam	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/19/99	3. CONTAINS NO DOE 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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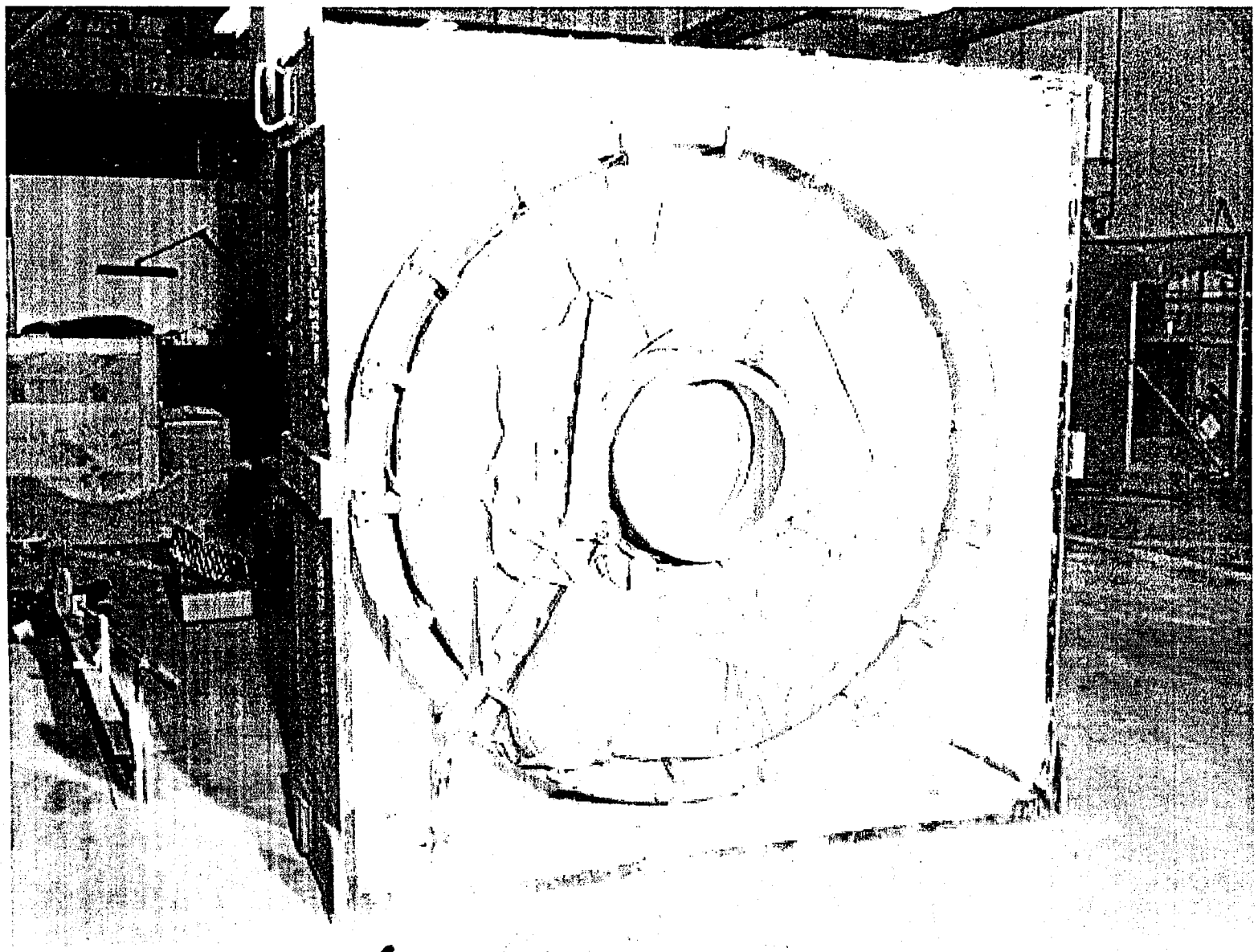

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[redacted] TX-21

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 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 Greenig	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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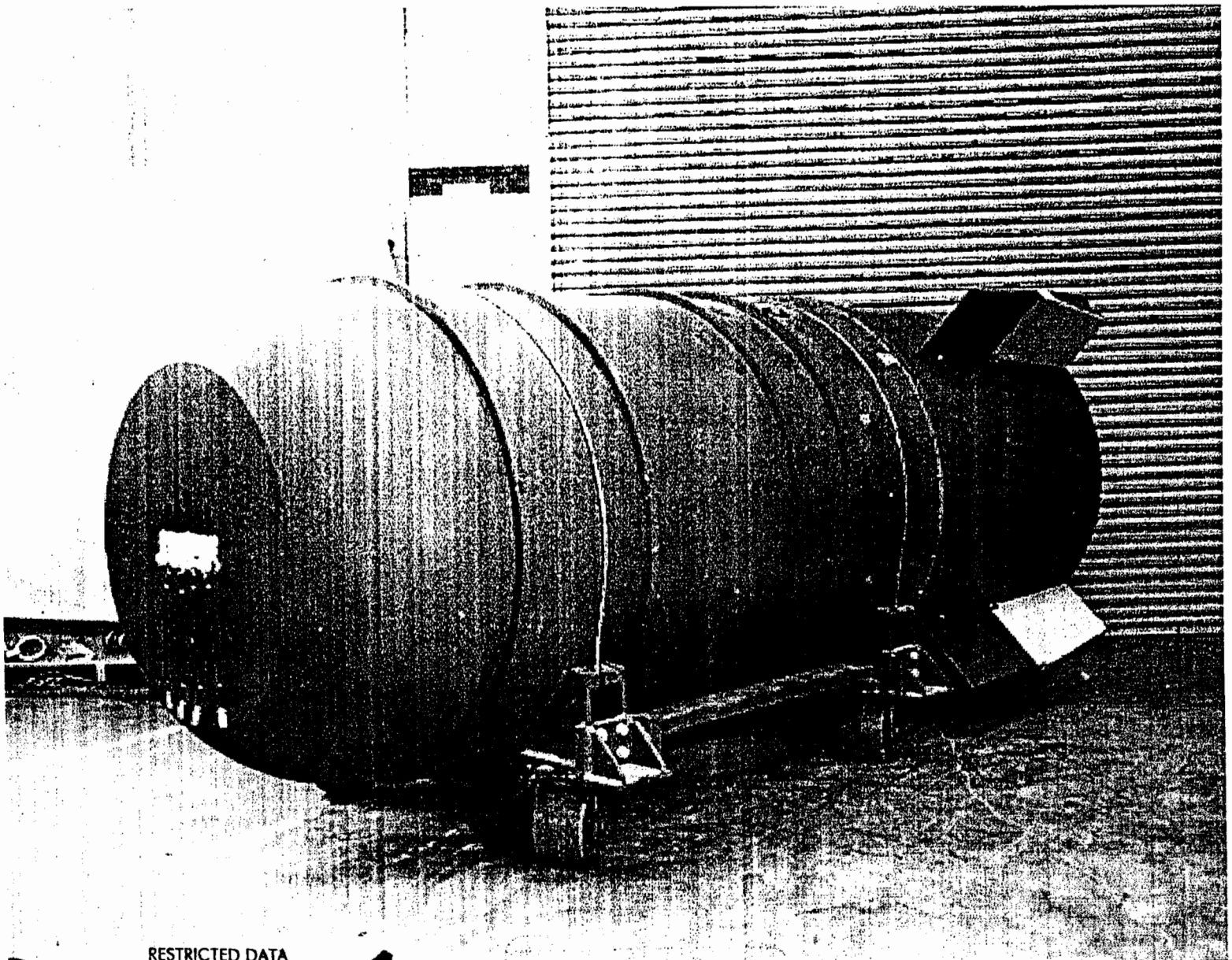

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~~This Document contains Restricted Data as defined in the Atomic Energy Act of 1954. Unauthorized disclosure subject to Administrative and Criminal Sanctions.~~

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[redacted] TX-21

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 Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
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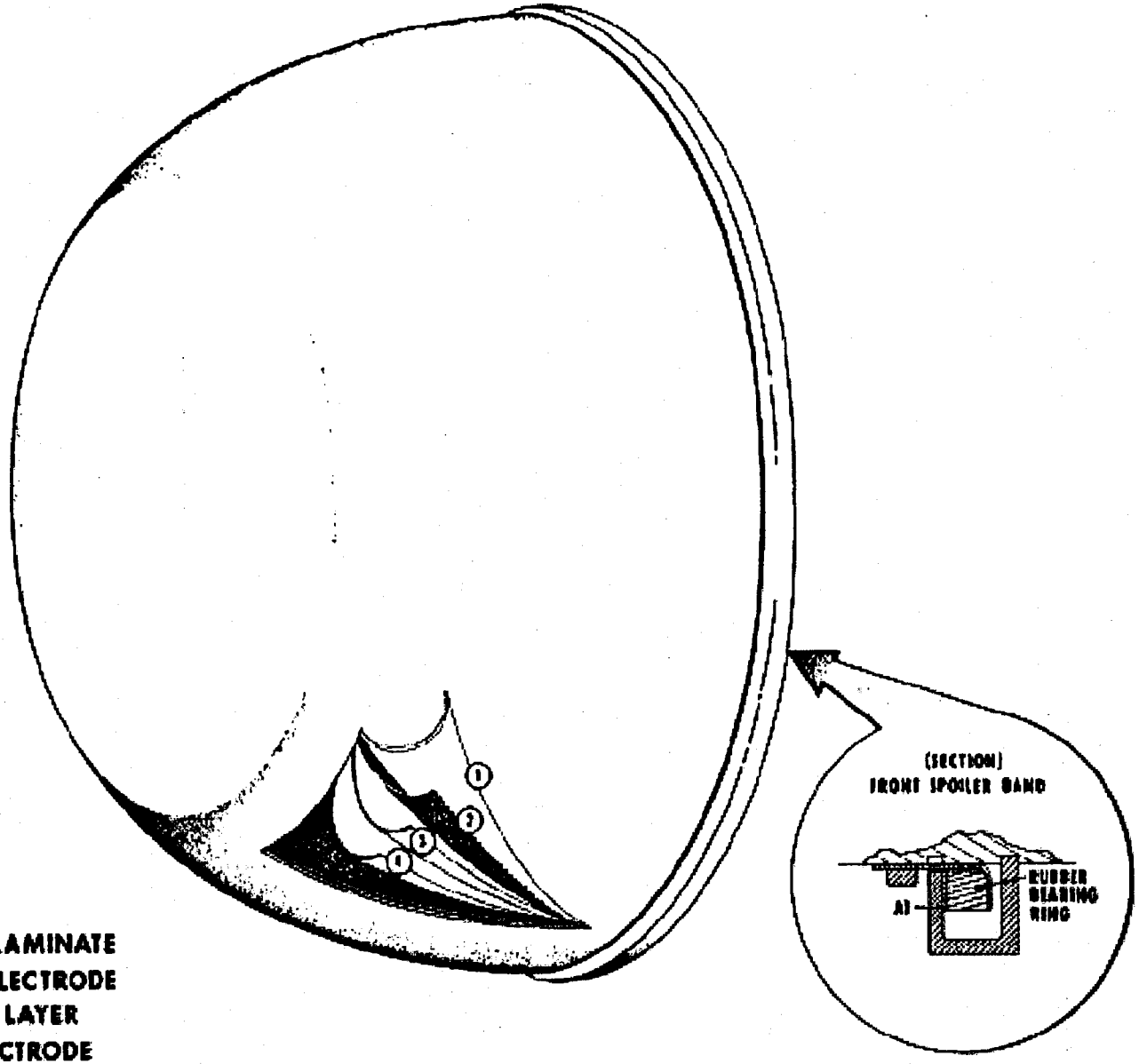

① FIBERGLASS LAMINATE
② INSULATED ELECTRODE
③ INSULATION LAYER
④ GROUND ELECTRODE

RESTRICTED DATA

This Document contains Restricted [redacted] disclosure subject [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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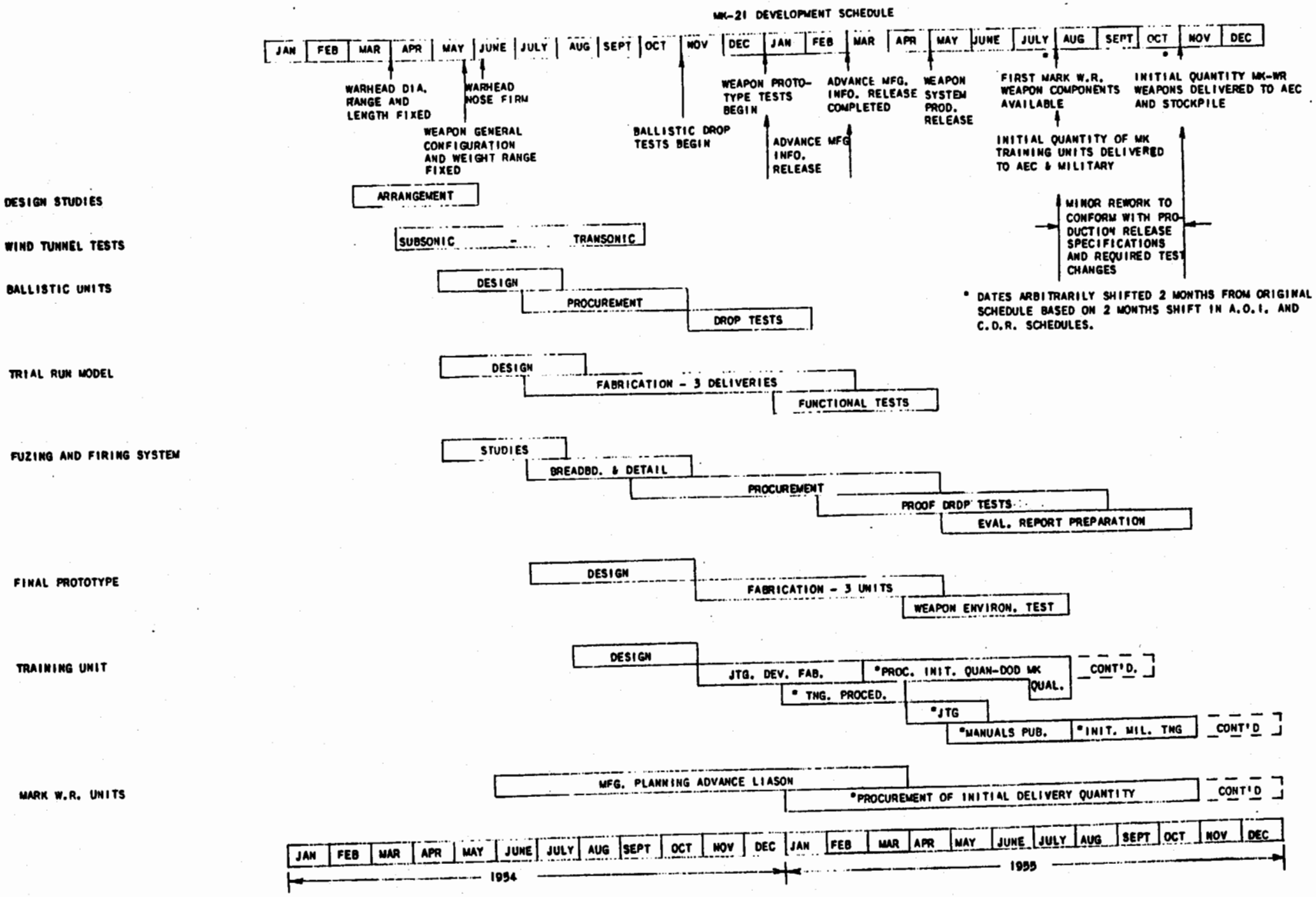

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 8/31/99
AUTHORITY: ☐ADC ☒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):

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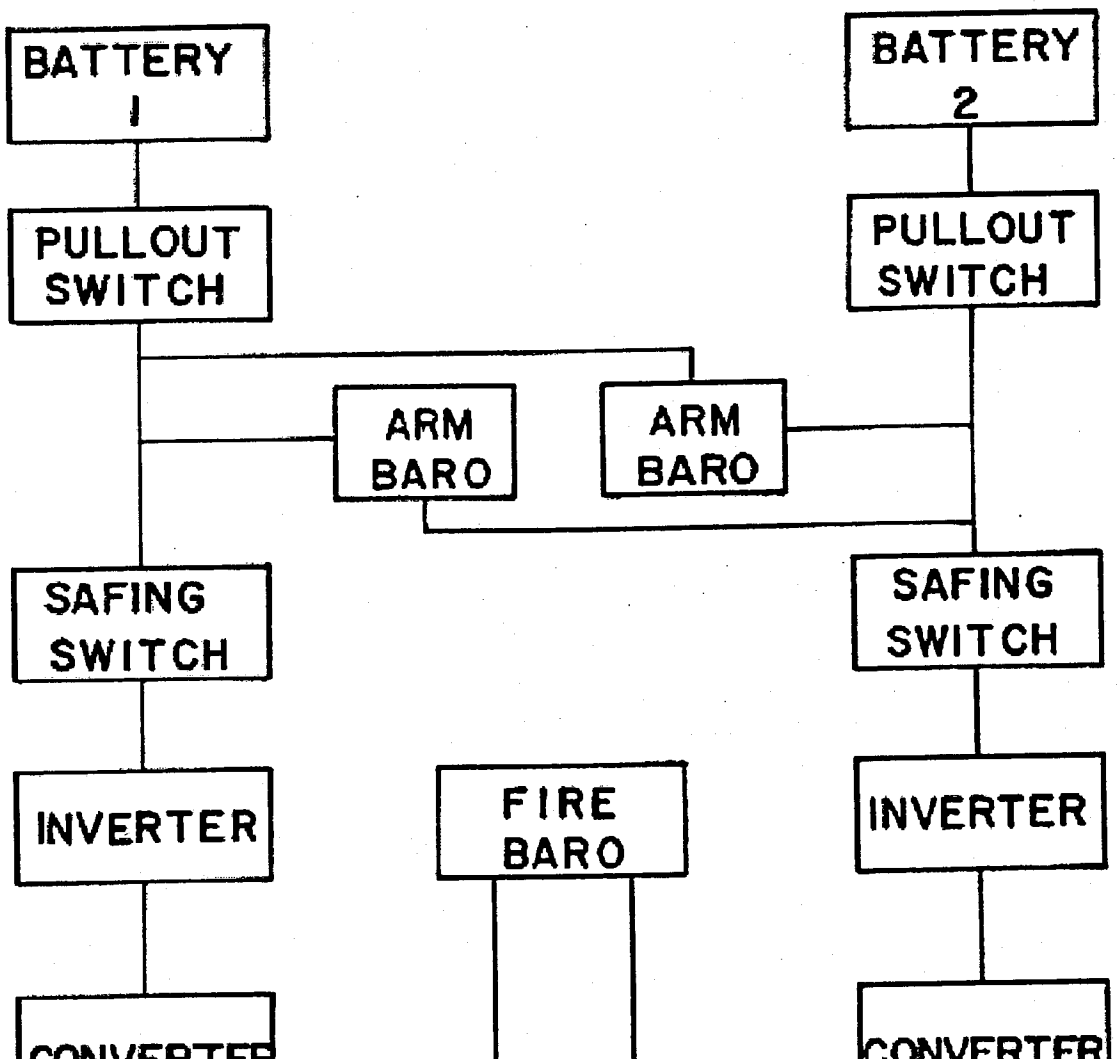
BLOCK DIAGRAM OF MK 14 FUZING SYSTEM



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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 8/31/99
AUTHORITY: ☐ADC ☒ADC ☐ADD
NAME: W. Bryan [illegible]
2ND REVIEW-DATE: 11/24/99
AUTHORITY: ADD
NAME: [illegible]

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

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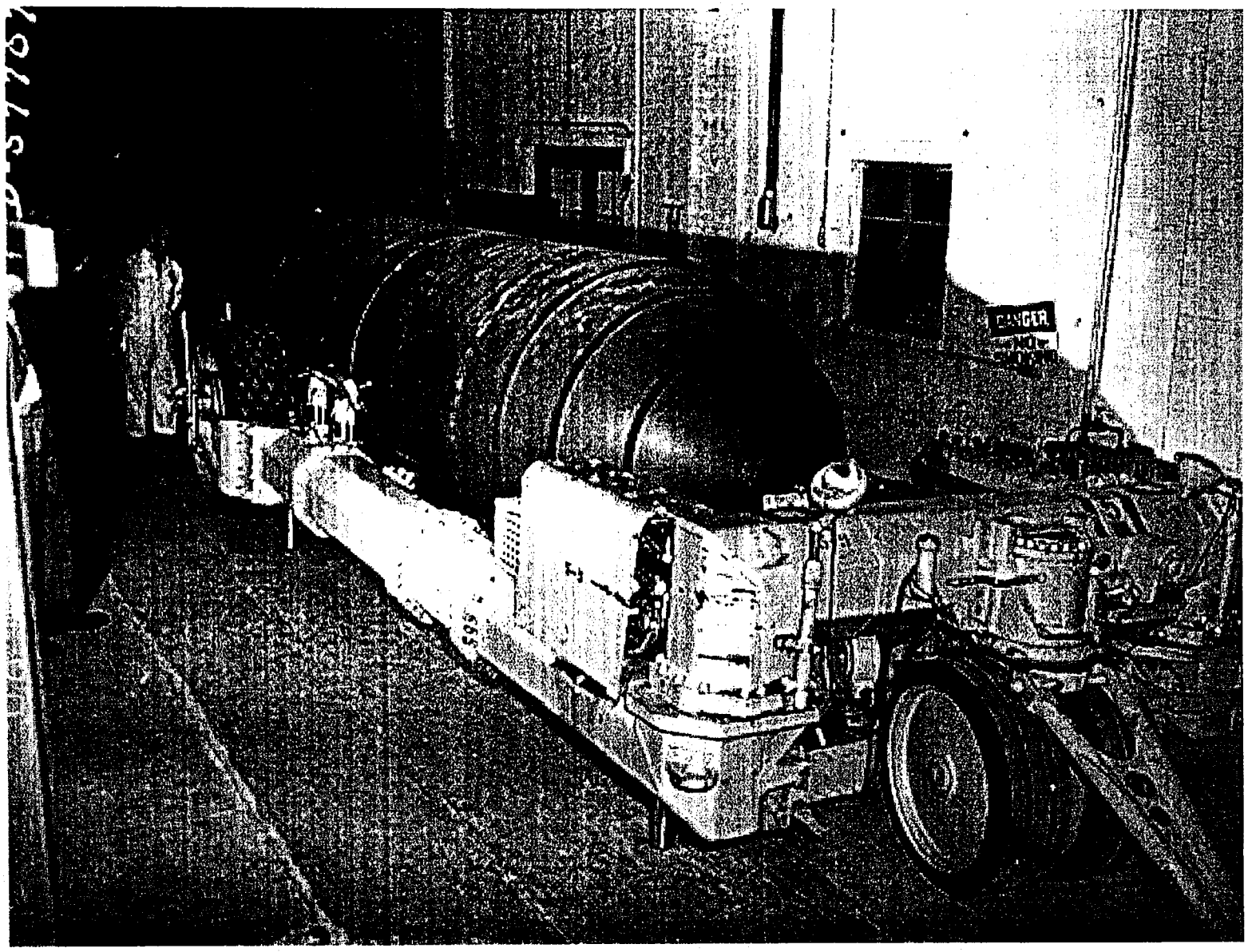

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron [illegible]	2. CLASSIFICATION CHANGED TO: ____
2ND REVIEW-DATE: 11/24/99	3. 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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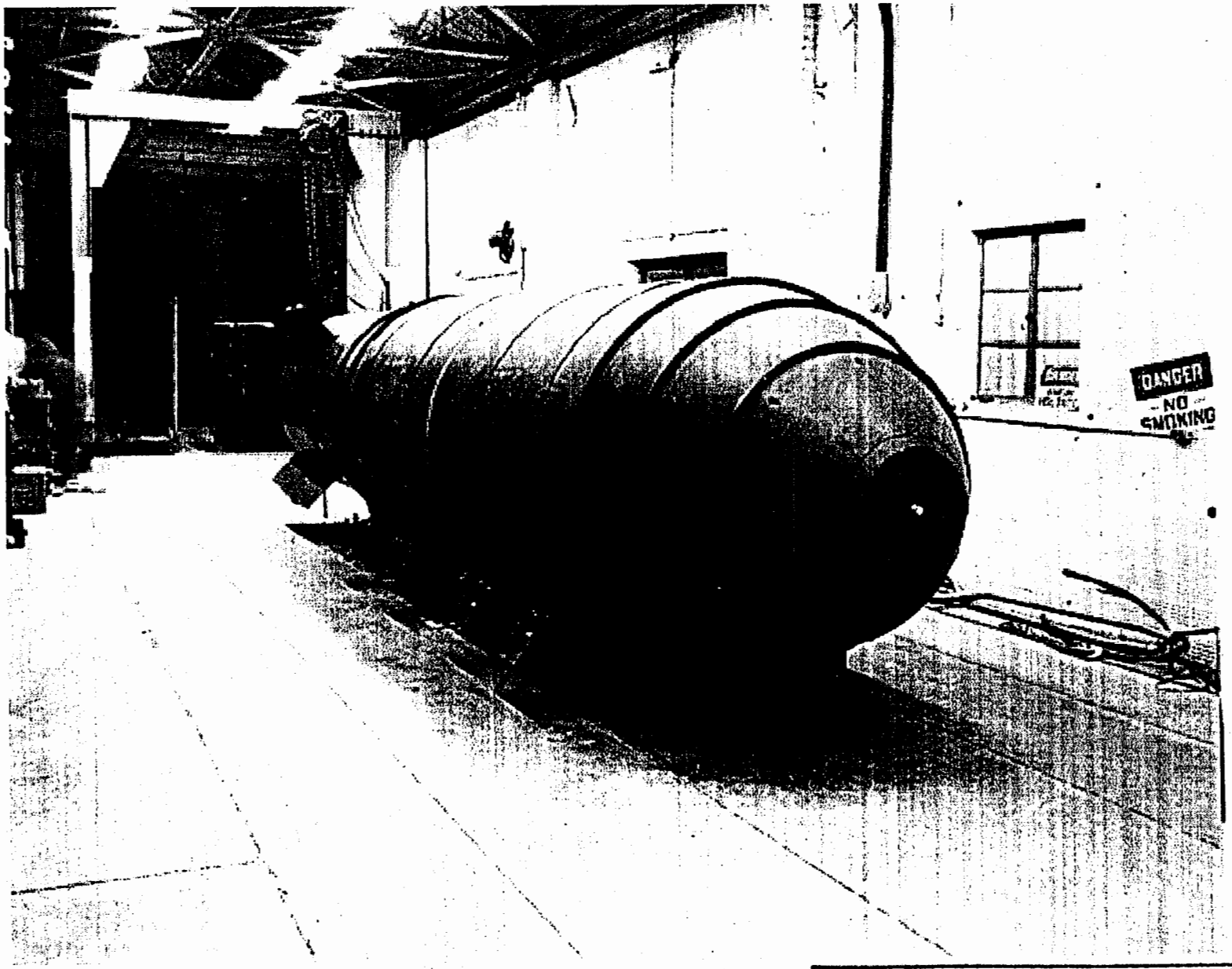

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dr[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS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

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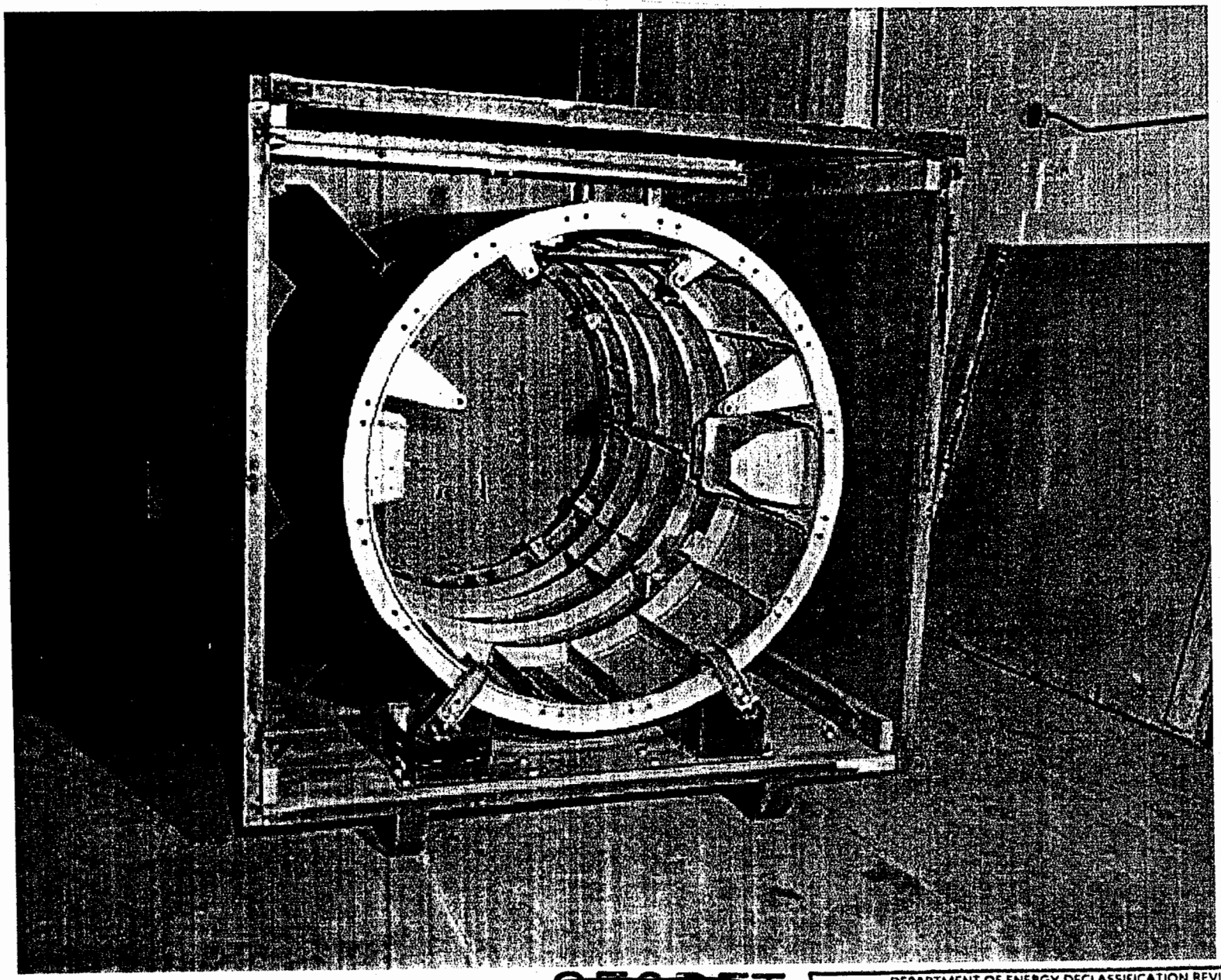

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[redacted] MK-17

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 [illegible]	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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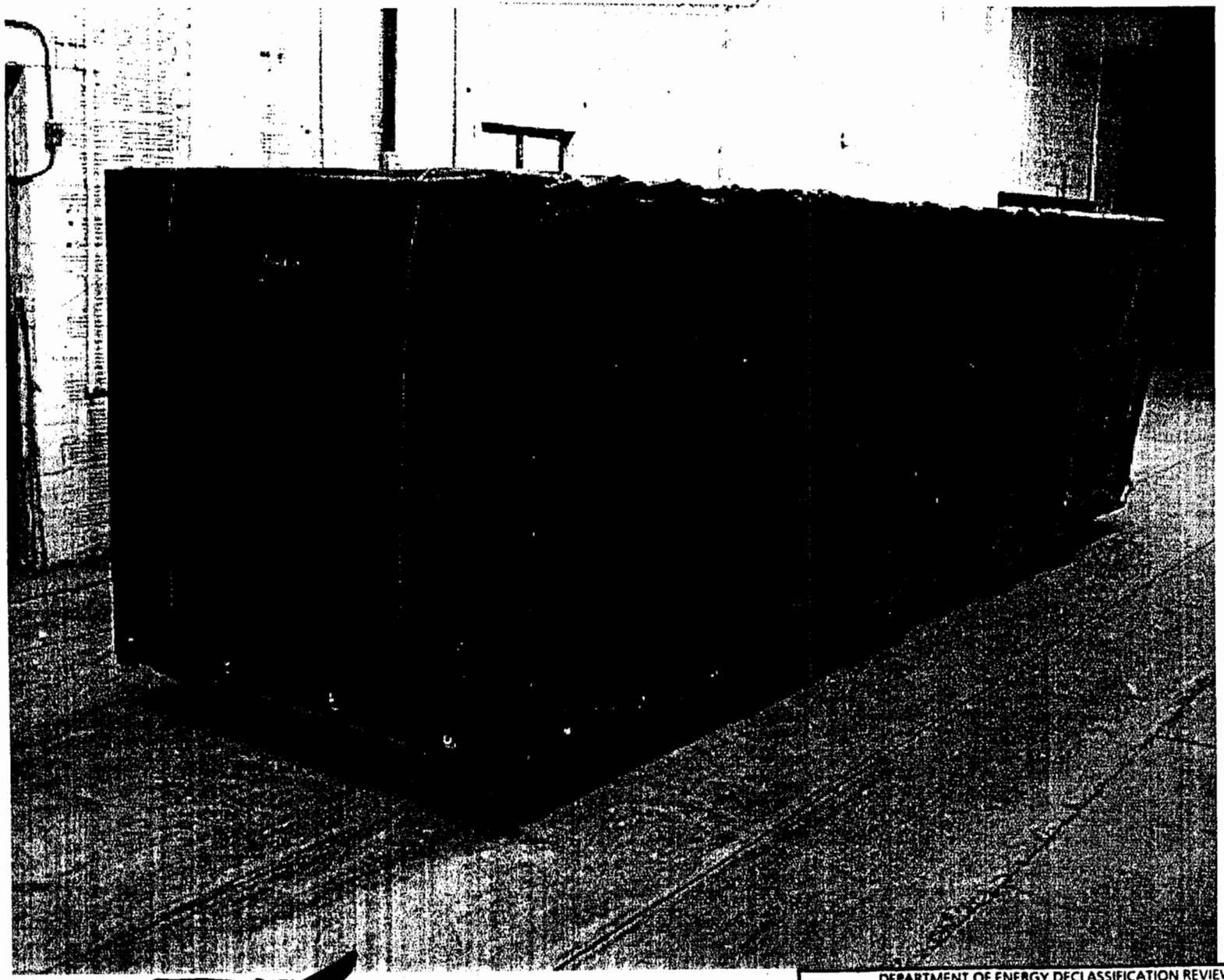

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[redacted] MK-17

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 Greene	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): ____

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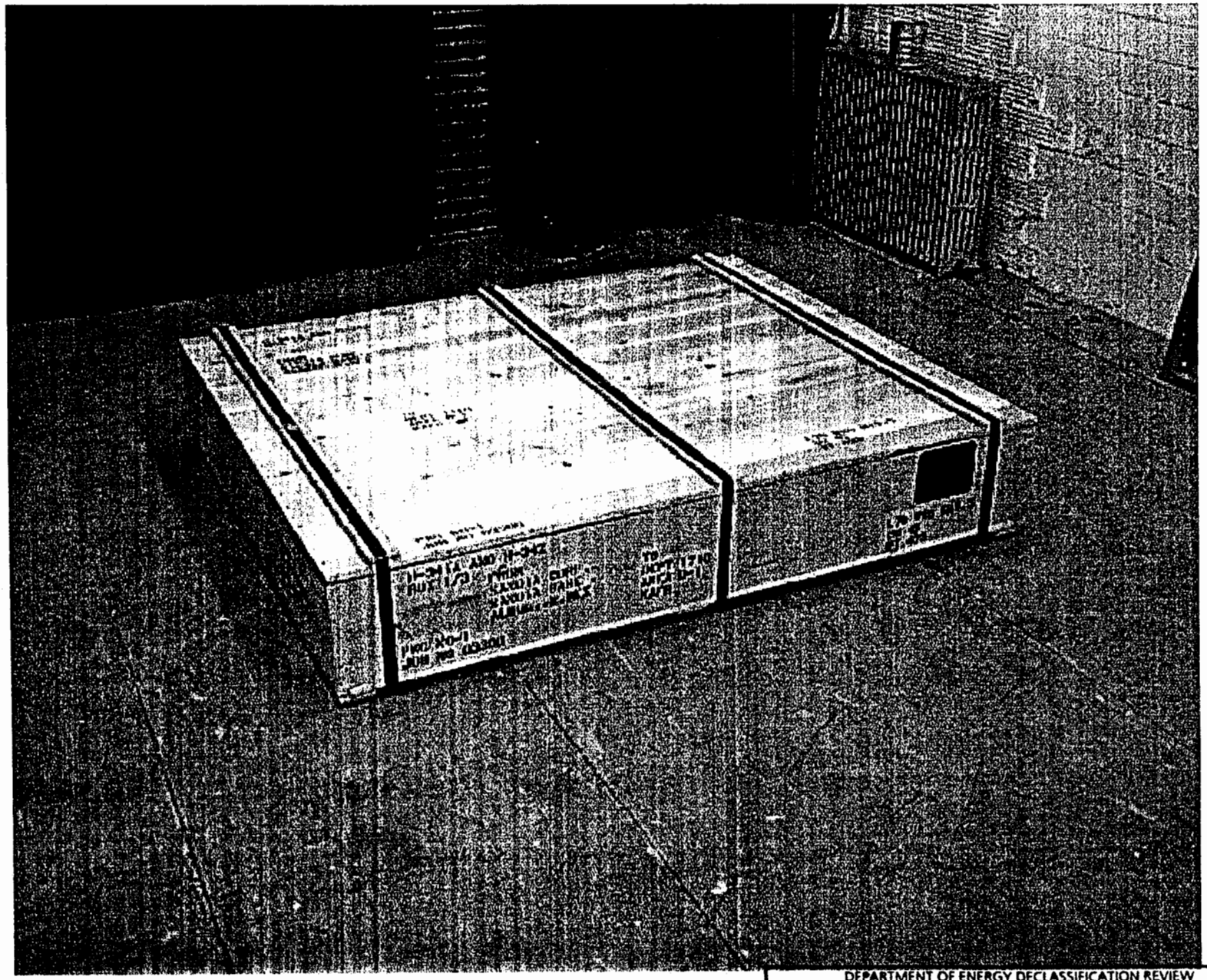

123

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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.

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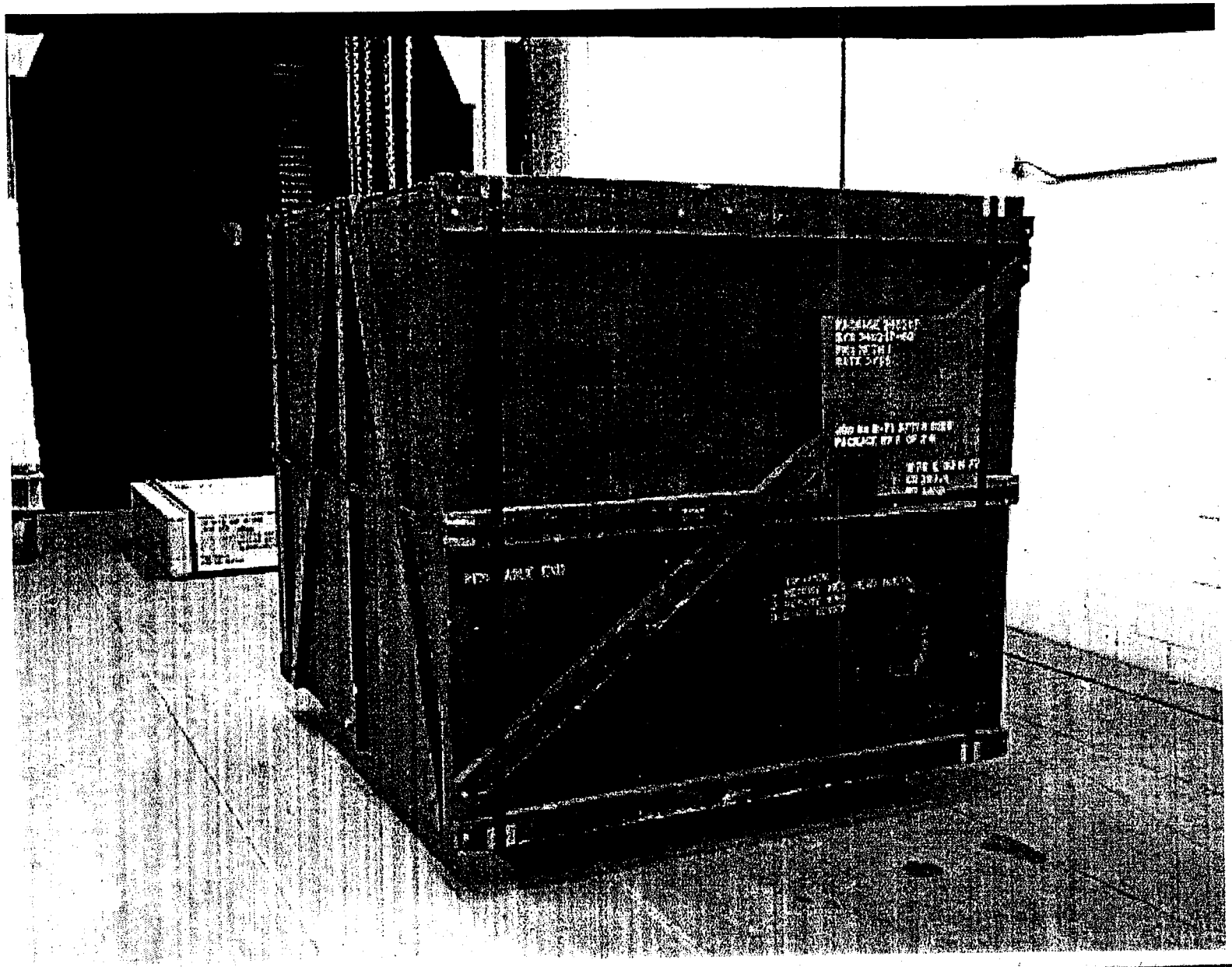

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This D[redacted]ed in the [redacted]uthorized disclosure [redacted] Criminal

[redacted]

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒DC ☐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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DOE#20130002 19

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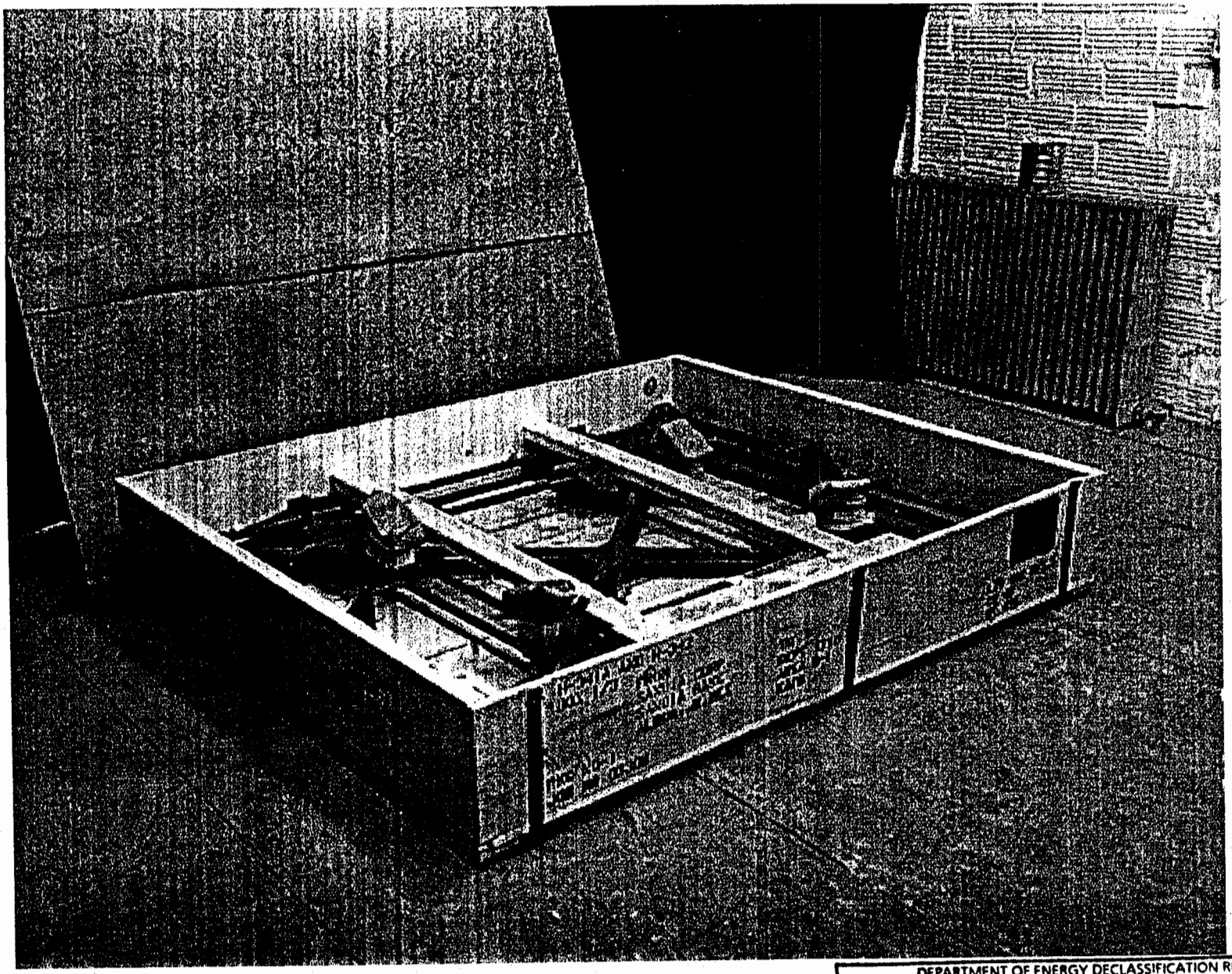

125

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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 Davis	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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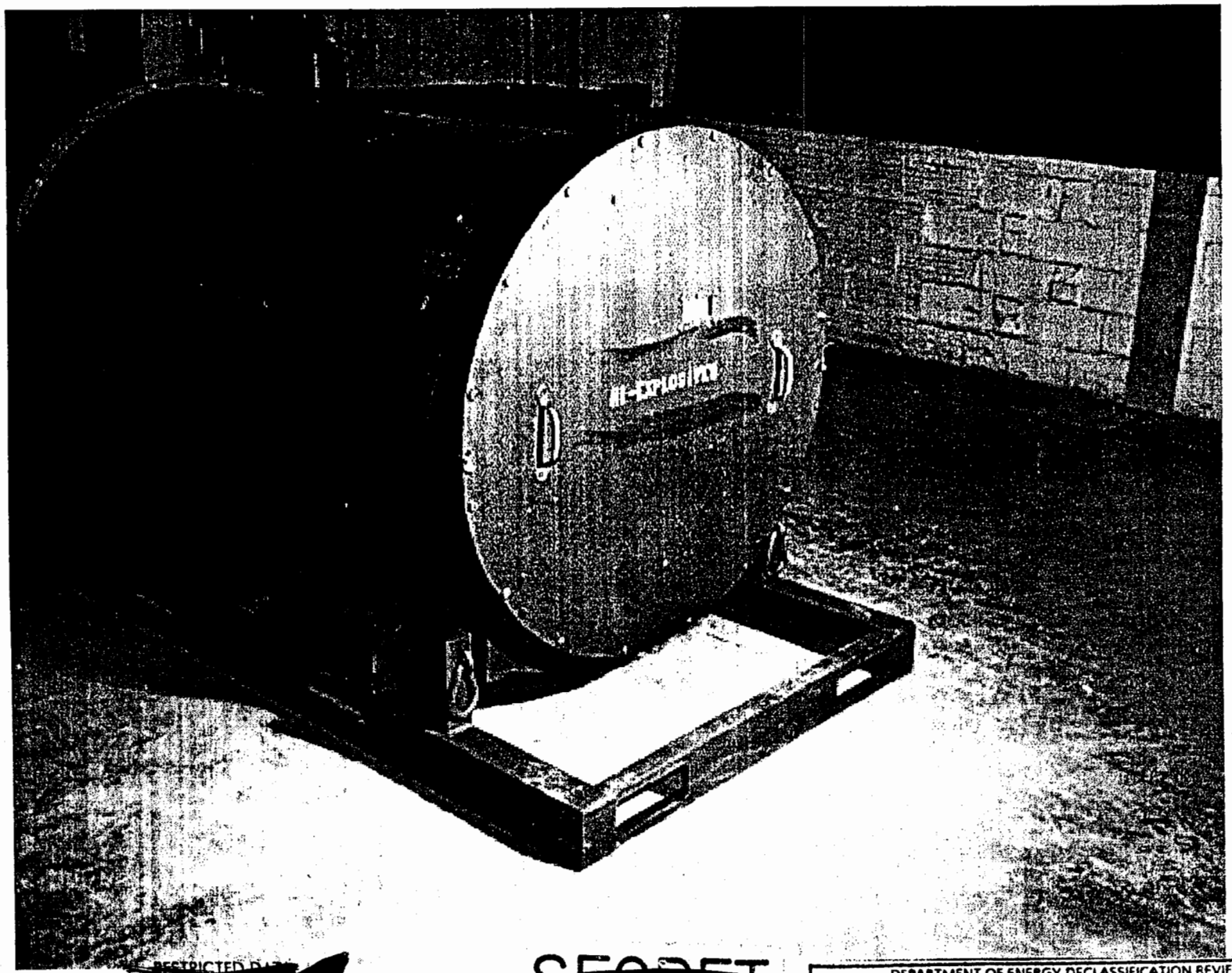

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[redacted]

[redacted] MK-17

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[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): ____

126

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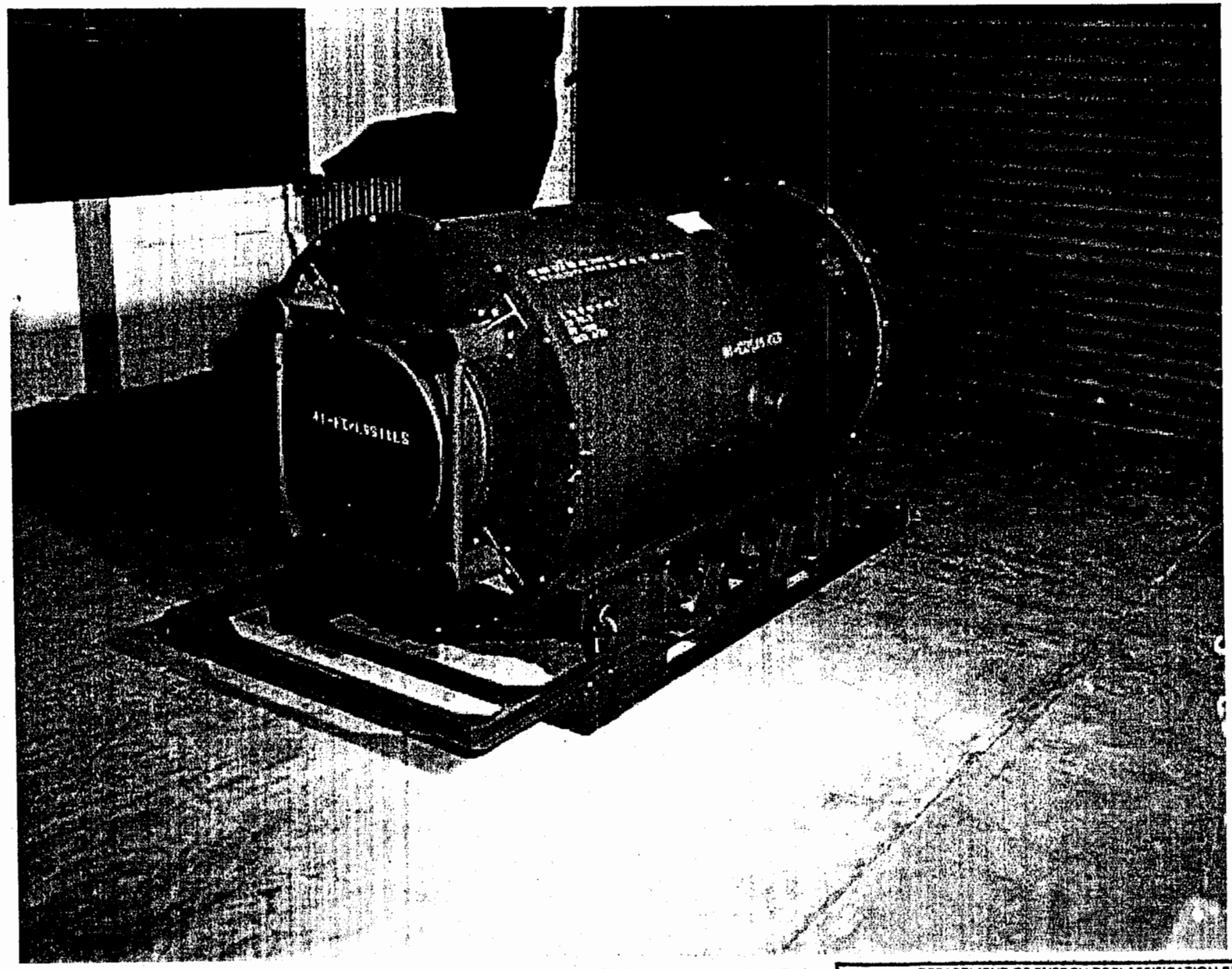

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[redacted] MK-17

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 Dix	2. CLASSIFICATION CHANGED TO: _____
2ND REVIEW-DATE: _____	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: _____
NAME: _____	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): _____

127

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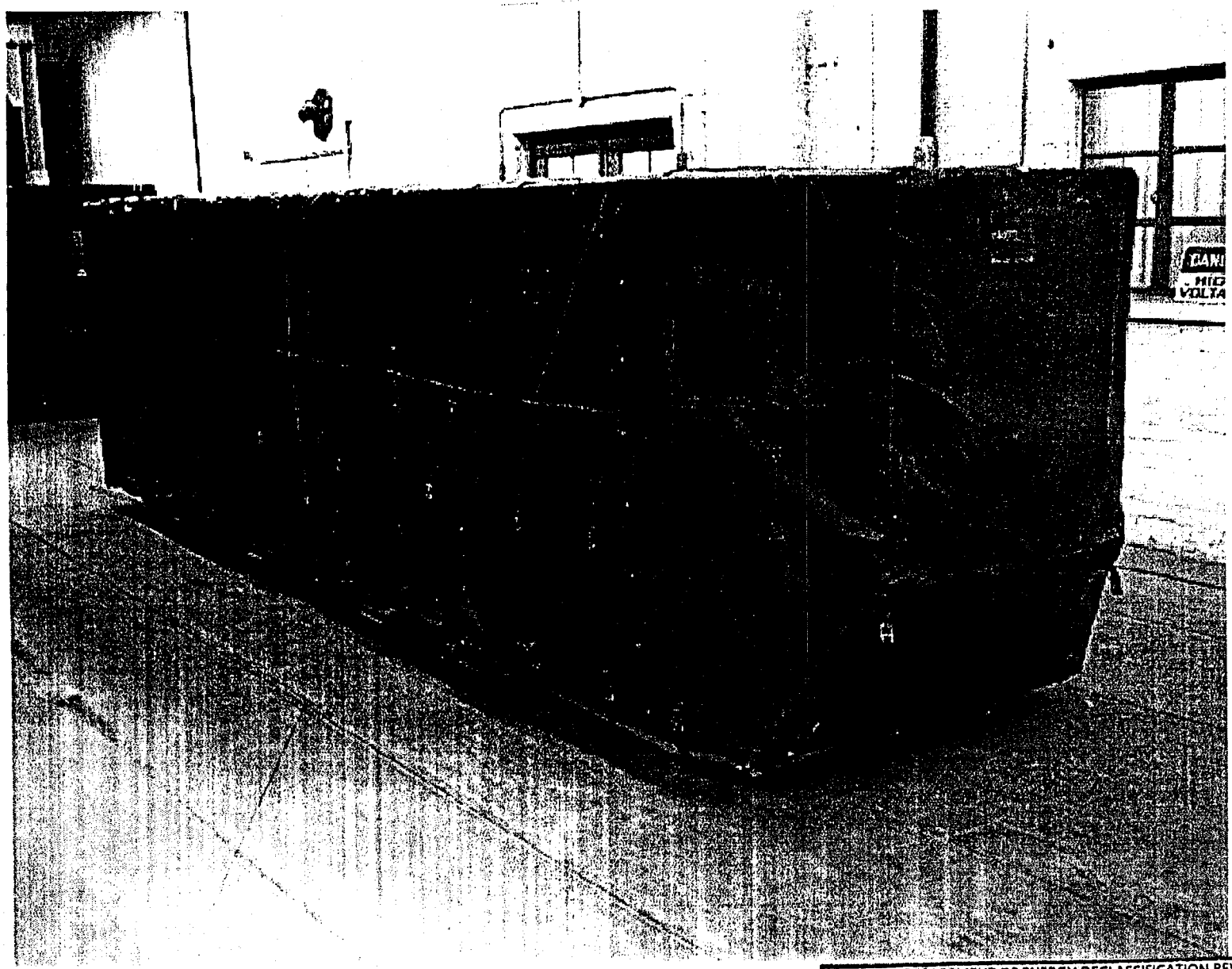

128

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[redacted] Document contains [redacted] Data as defined in [redacted] 1954. Unauthorized disclosure [redacted] to Administ[redacted] Criminal S[redacted]

[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 [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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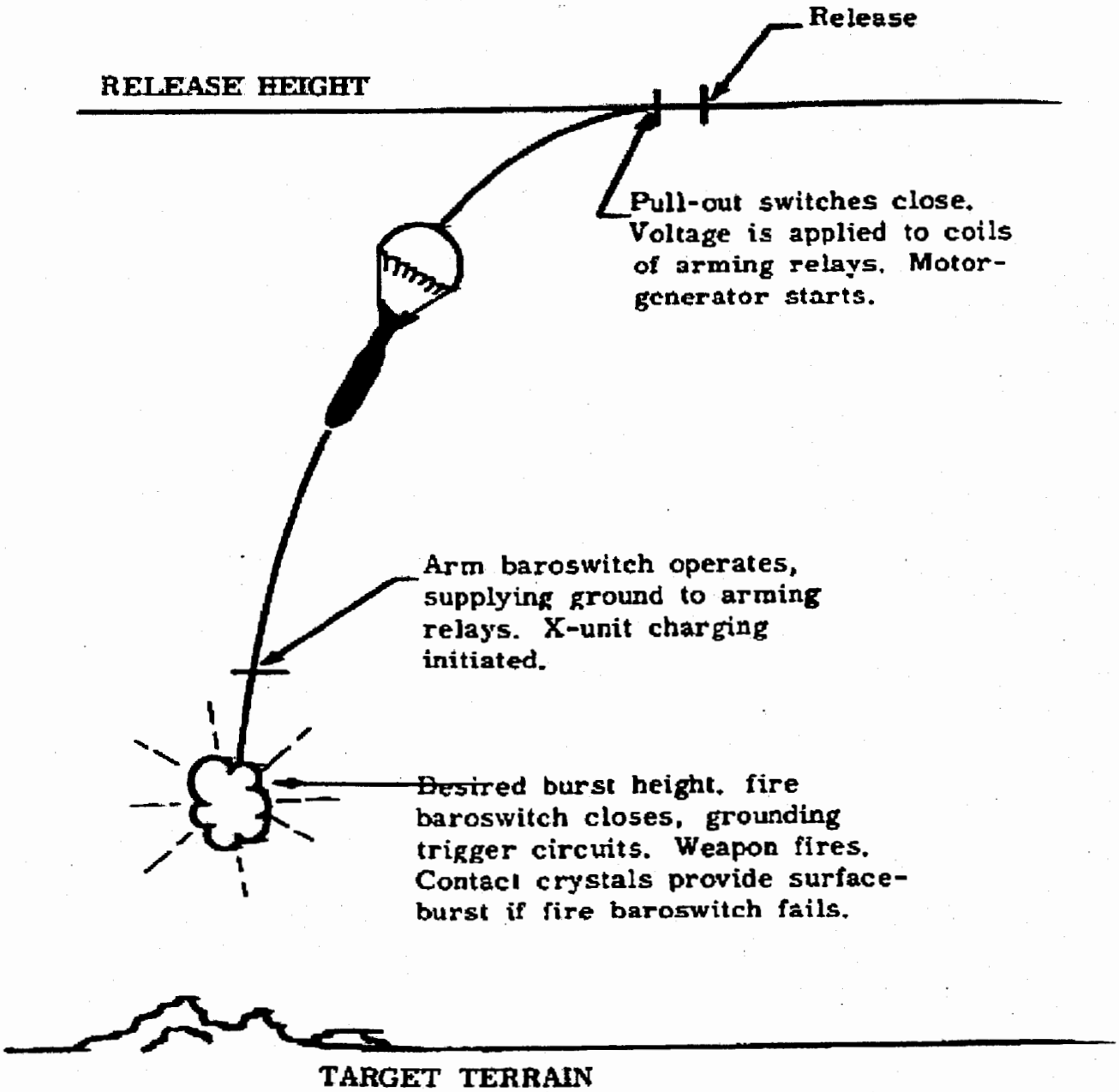

Operational Sequence of Mk 17 Fuze, Air-Burst Option

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 8/31/99
AUTHORITY: ☐ADC ☒ADC ☐ADD
NAME: W. Bryan Dow
2ND REVIEW-DATE: 11/24/99
AUTHORITY: ADD
NAME: Jim Hearing
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]

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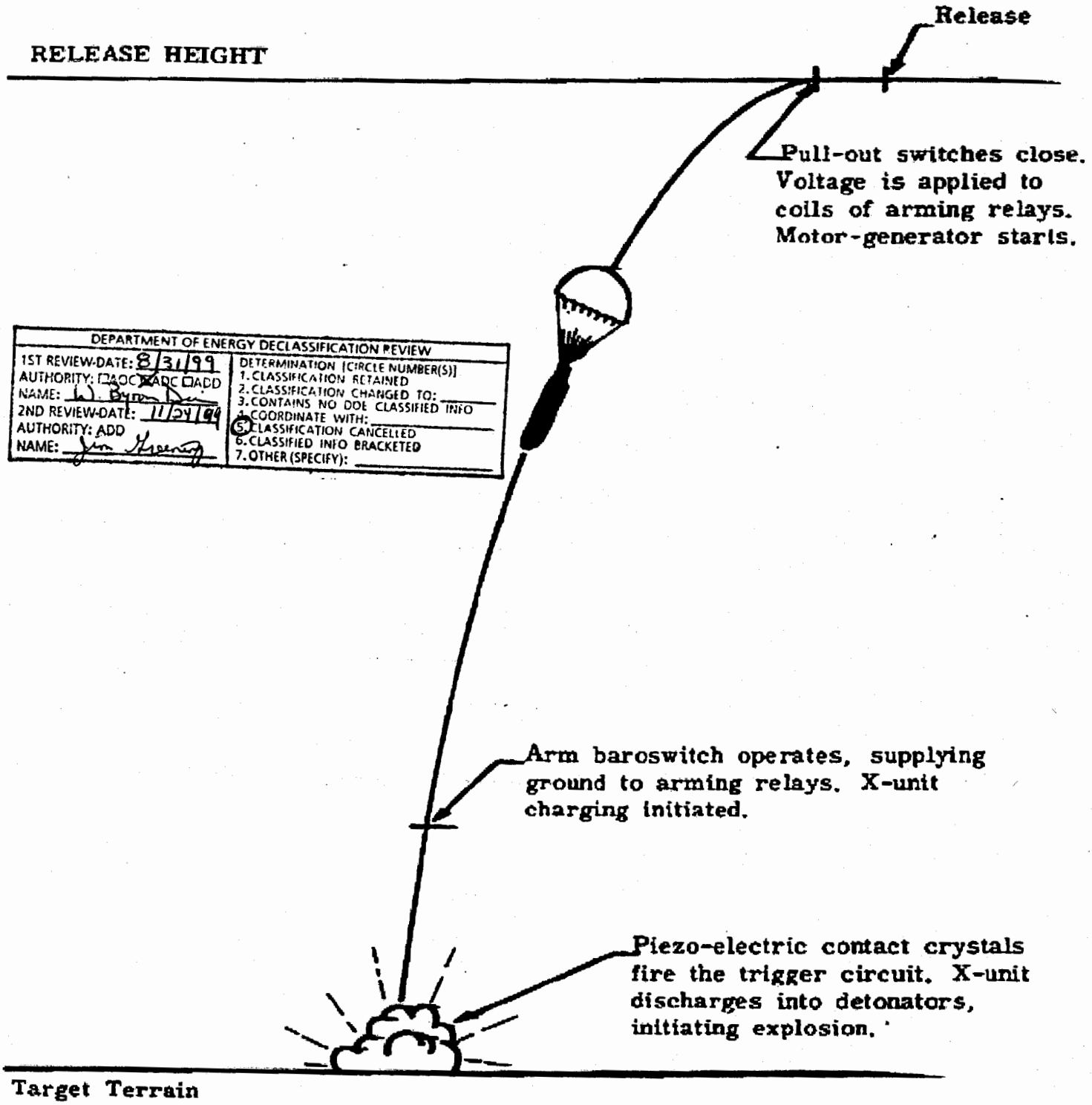

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 8/31/99
AUTHORITY: ☐AOC ☒ADC ☐ADD
NAME: W. Byron Du
2ND REVIEW-DATE: 11/24/99
AUTHORITY: ADD
NAME: Jim Heeney
DETERMINATION [CIRCLE NUMBER(S)]
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE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

Operational sequence of Mk 17 Fuze, Contact-Burst Option

~~[redacted] DATA~~
This Document [redacted] in the Atomic [redacted] Unauthorized [redacted] Administrat[redacted] Criminal Sanctions.

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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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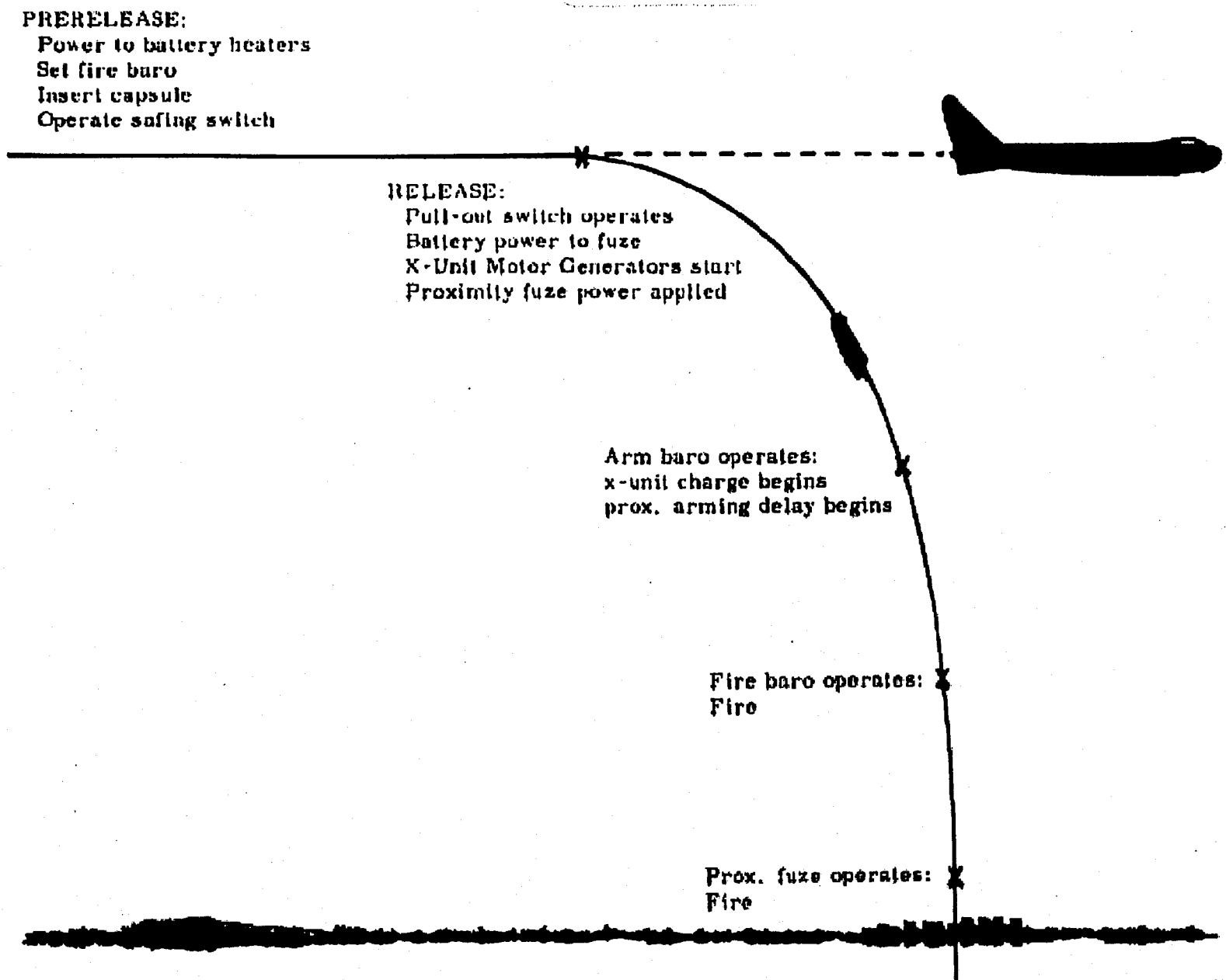

Sequence of Operations During Drop

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[redacted] contains Restricted [redacted] as defined in the Atomic En[redacted] 1954. Unauthorized disclosure [redacted] to Administr[redacted] Criminal Sa[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 [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):

132

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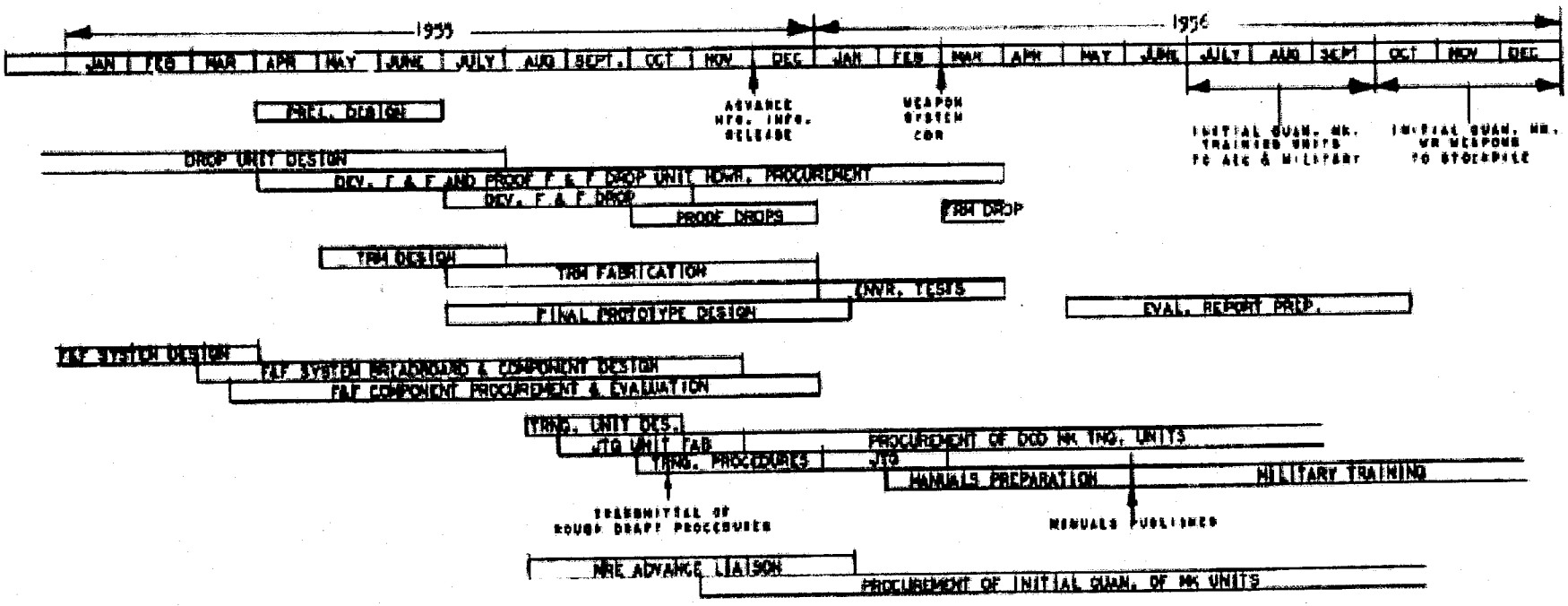

PROPOSED MK 21/25 MOD I DEVELOPMENT SCHEDULE
FIGURE I

[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 Du	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greeley	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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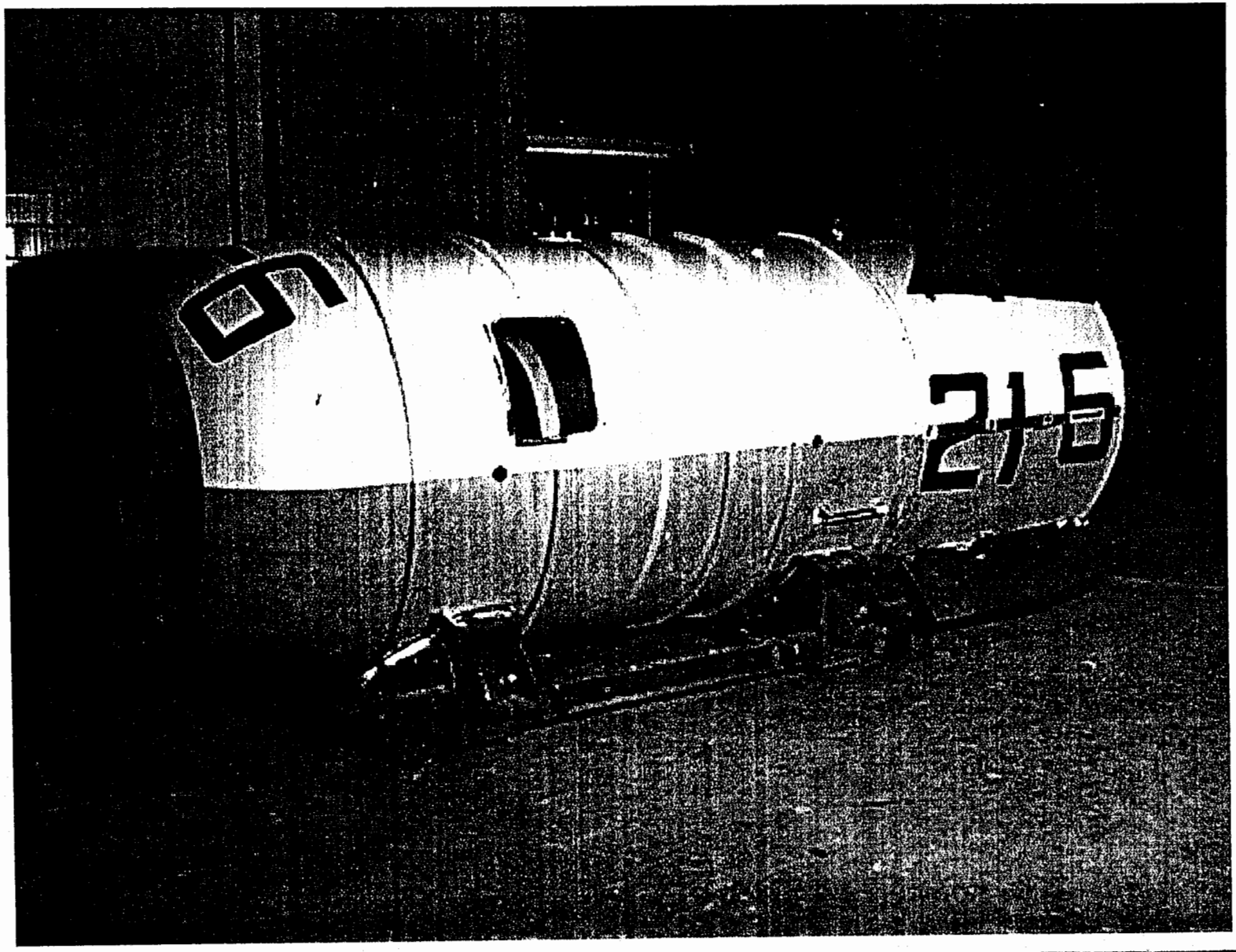

134

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This Document contains Restricted Data [redacted] defined in t[redacted] Energy Act of 195[redacted] Unauthorized disclosure subject to Adm[redacted] Sanctions.

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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: 12/2/99	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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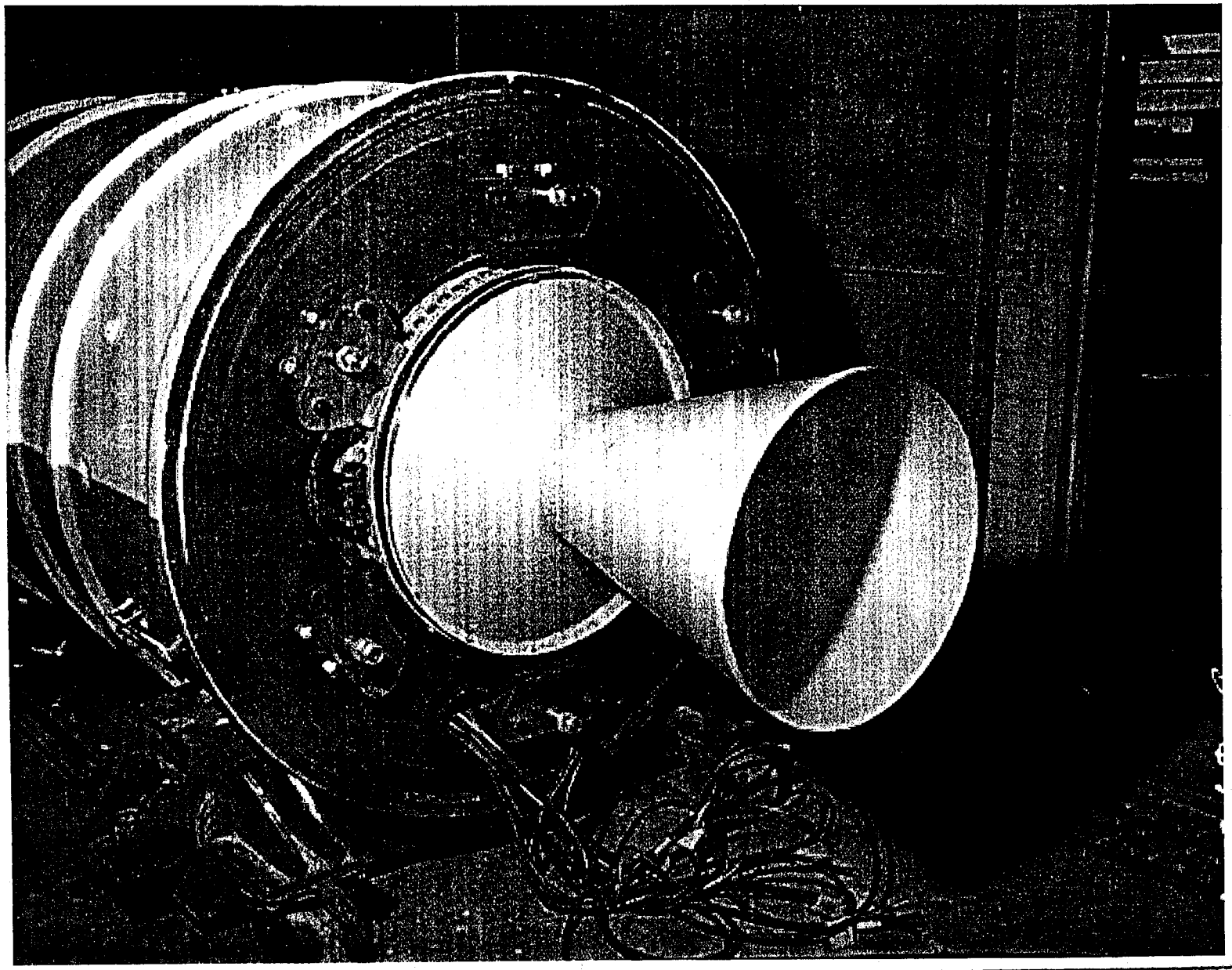

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/2/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ACC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dunn	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE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

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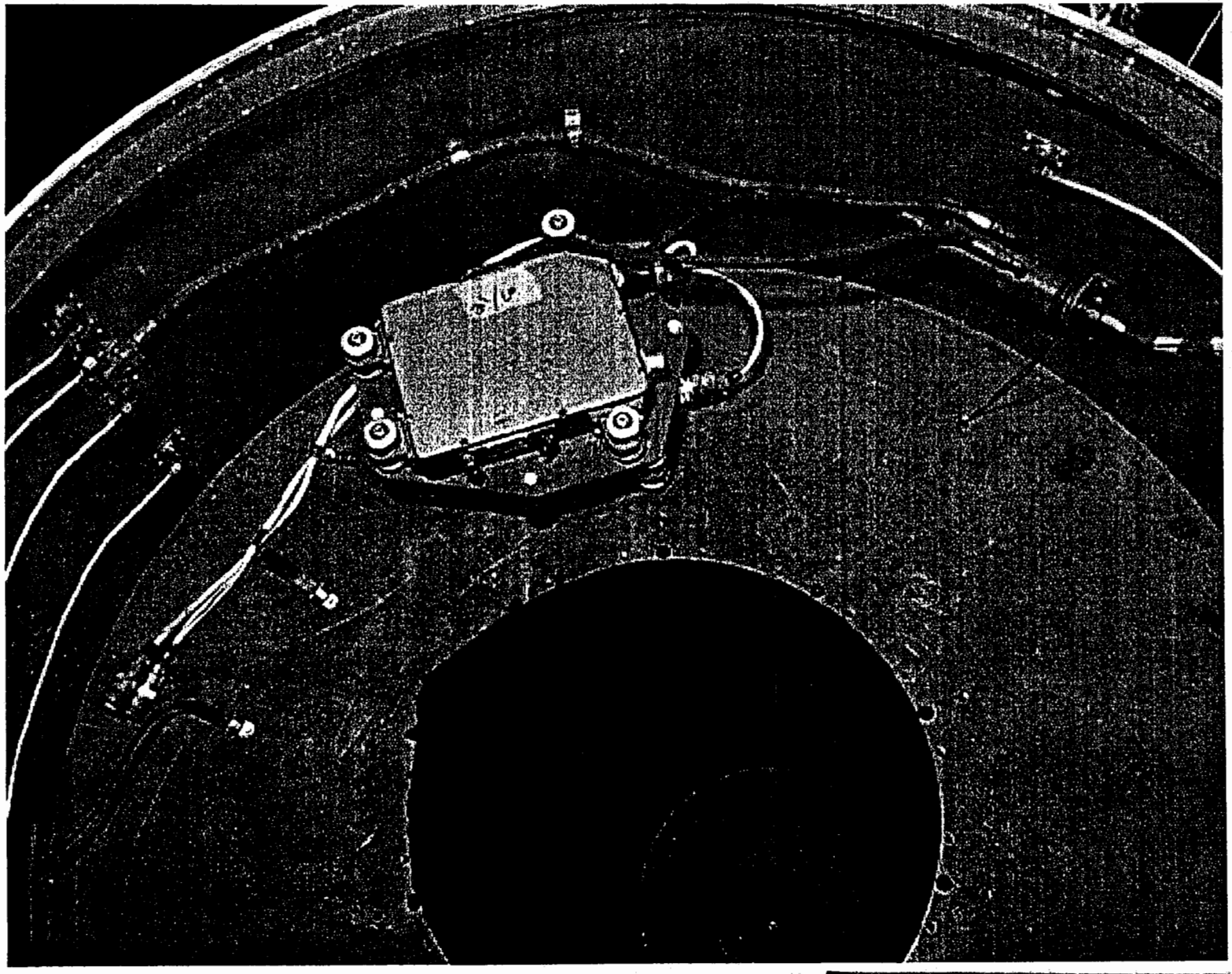

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This Document contains Restricted Data [redacted] Unauthorized disclosure [redacted] and Criminal [redacted]

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 8/31/99
AUTHORITY: ☐ADC ☒ADC ☐ADD
NAME: D. Byron [illegible]
2ND REVIEW-DATE: 12/2/99
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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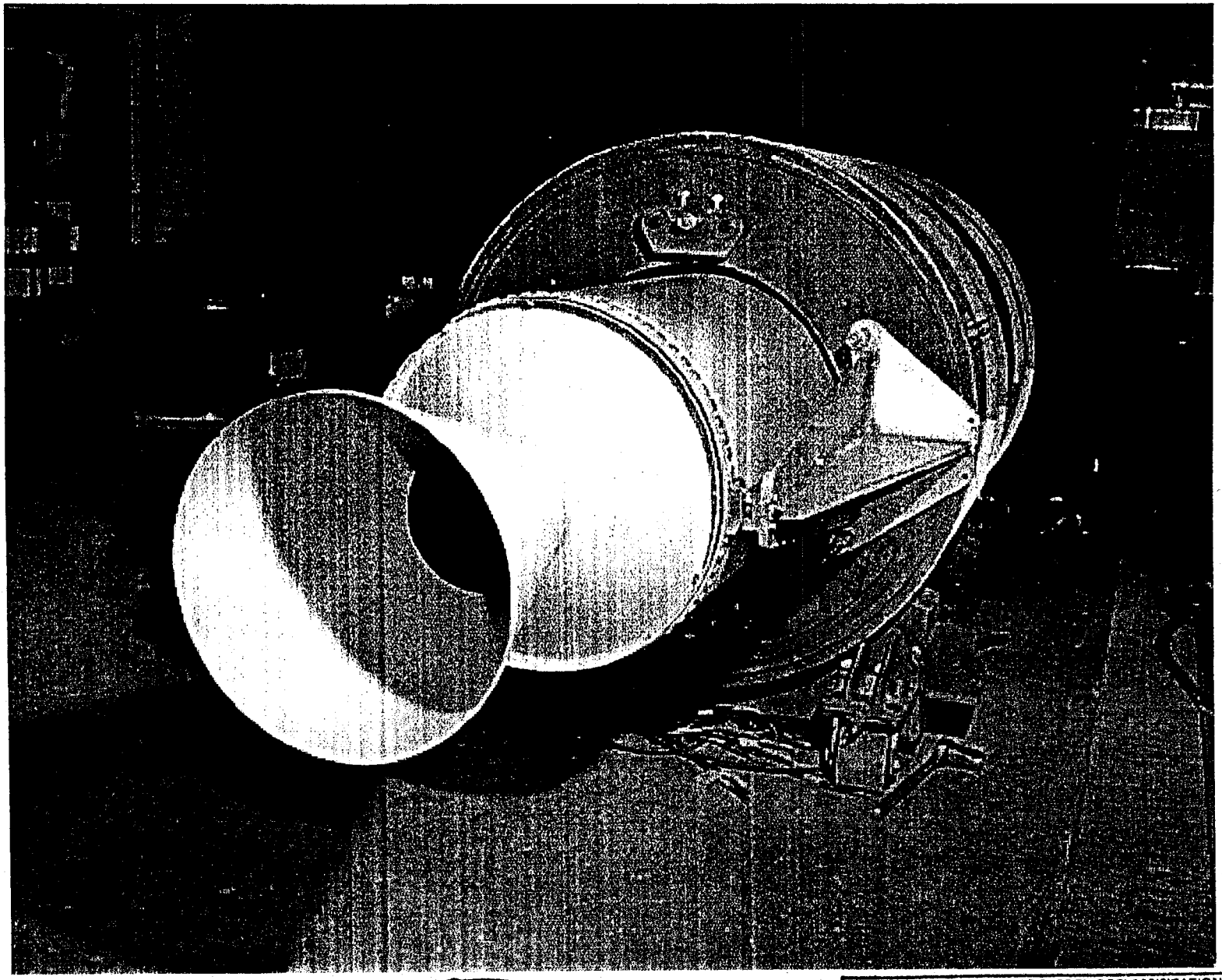

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 8/31/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ADC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Bryan D	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE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

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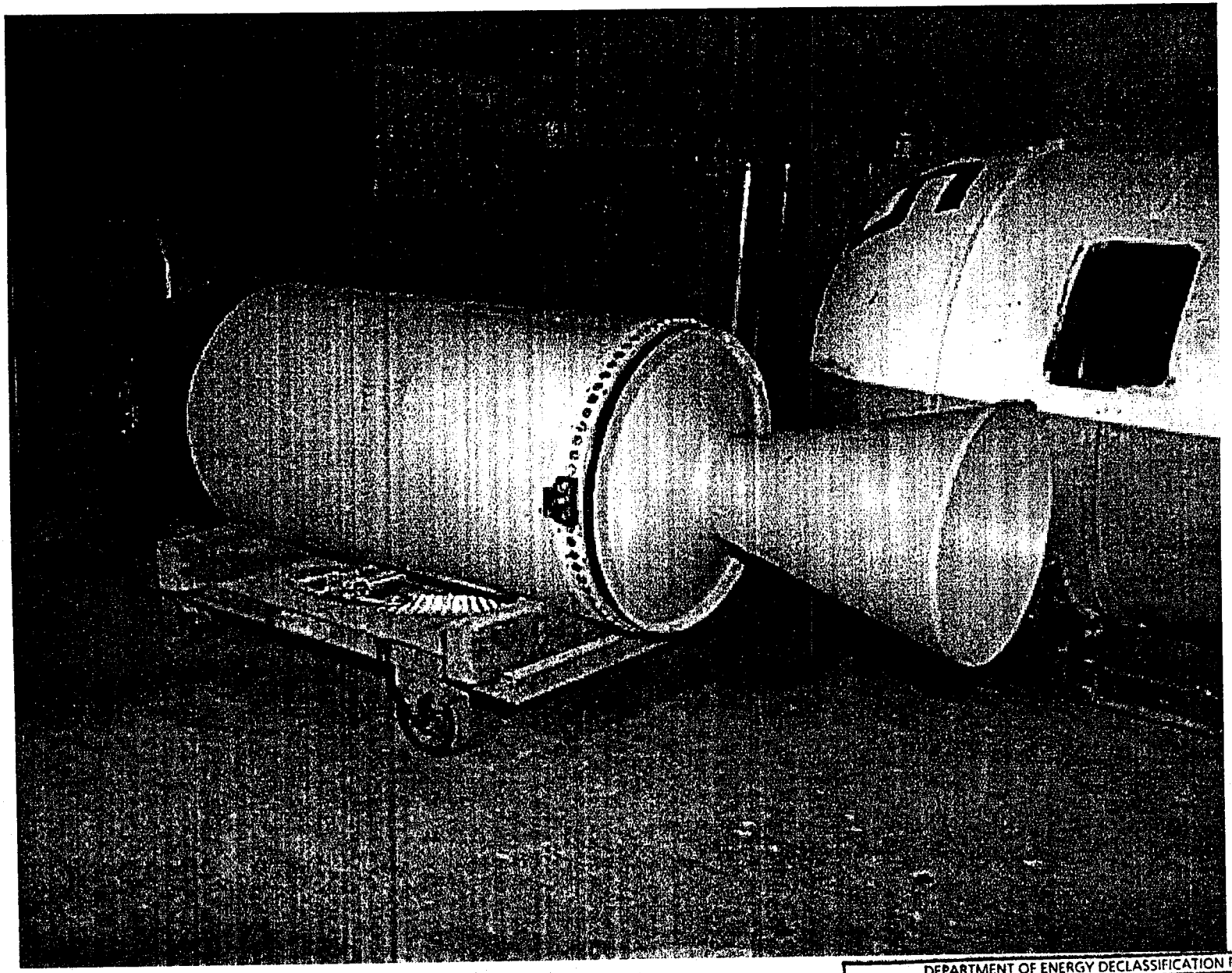

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dai	2. CLASSIFICATION CHANGED TO: ____
2ND REVIEW-DATE: 12/2/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: ____
NAME: Jim Greenig	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): ____

138

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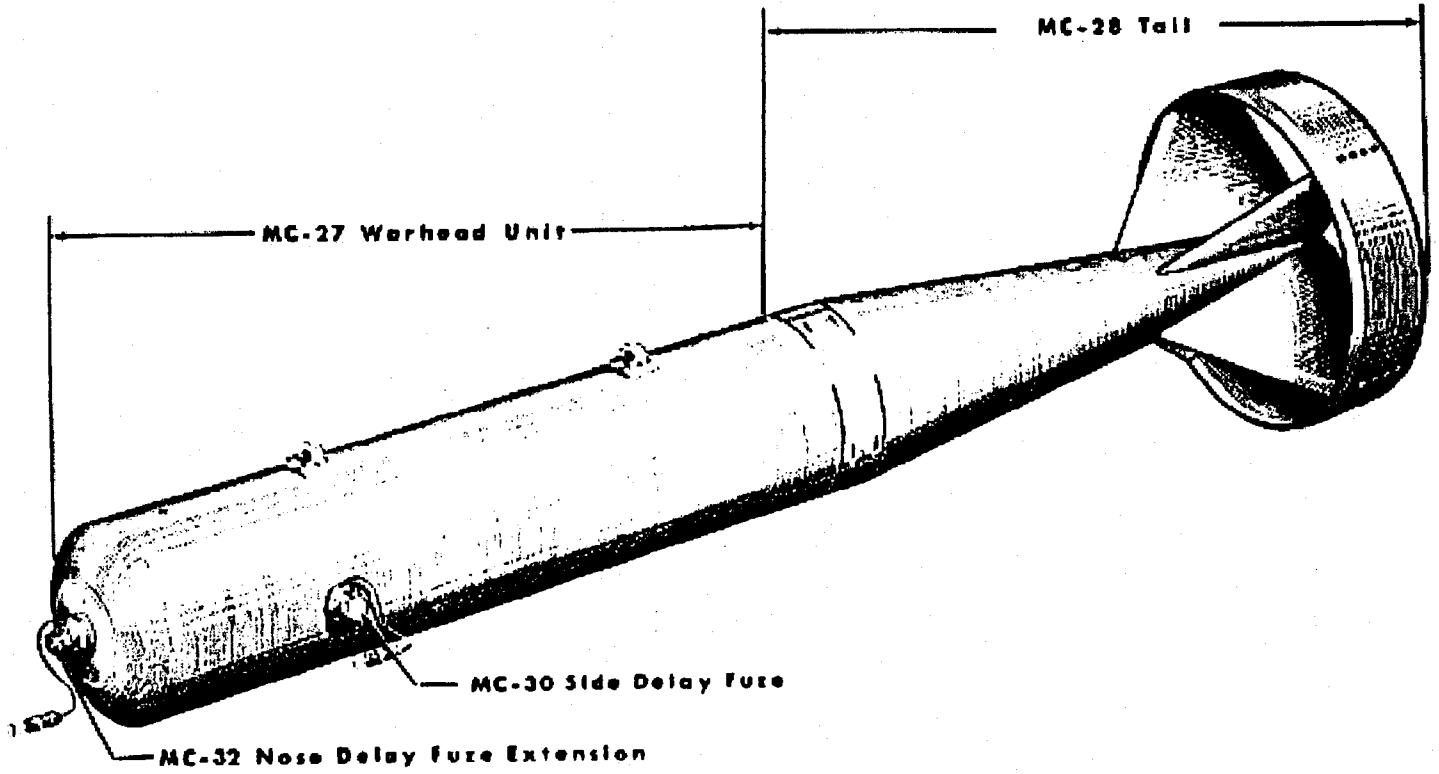

139

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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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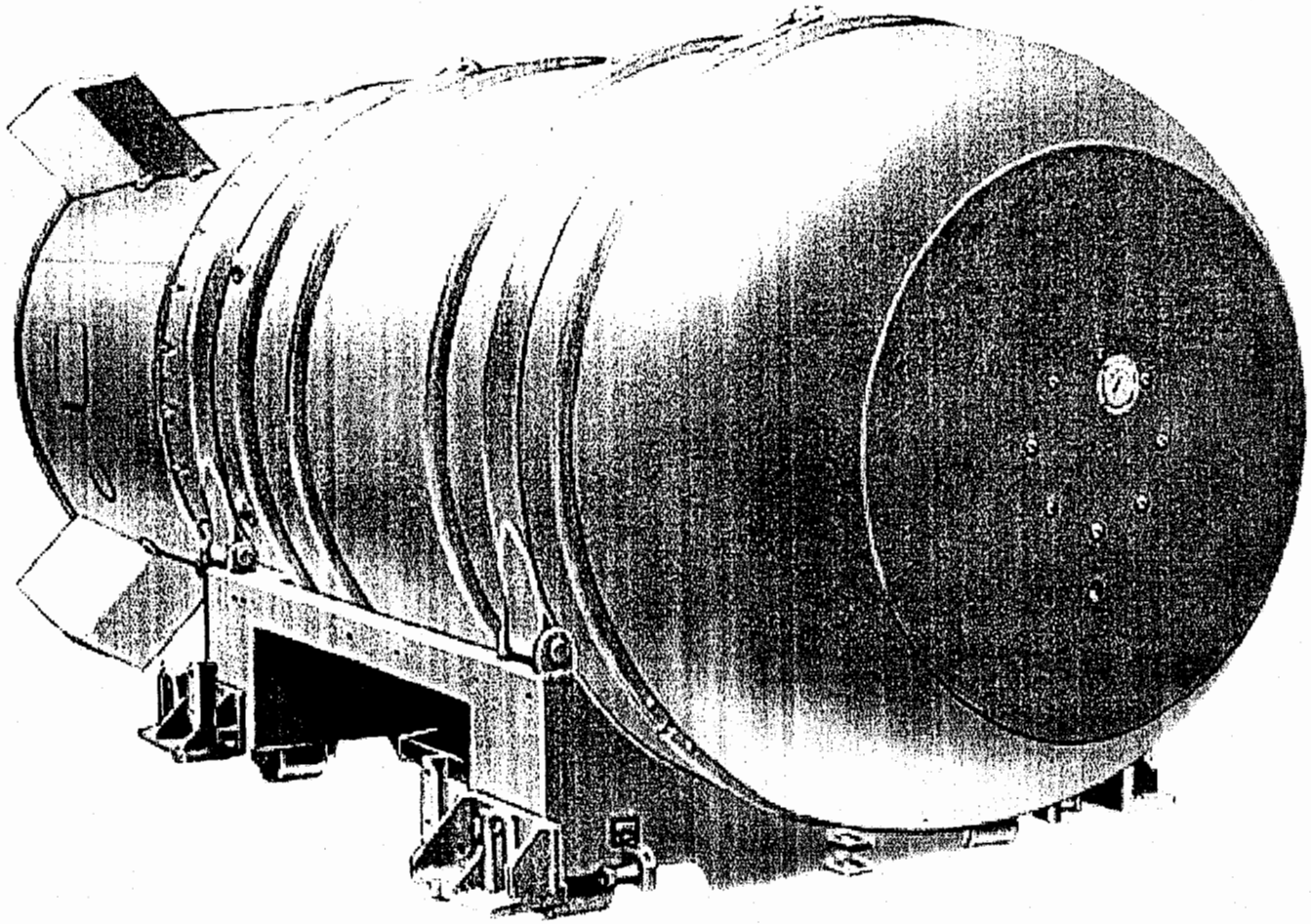

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS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

SHD

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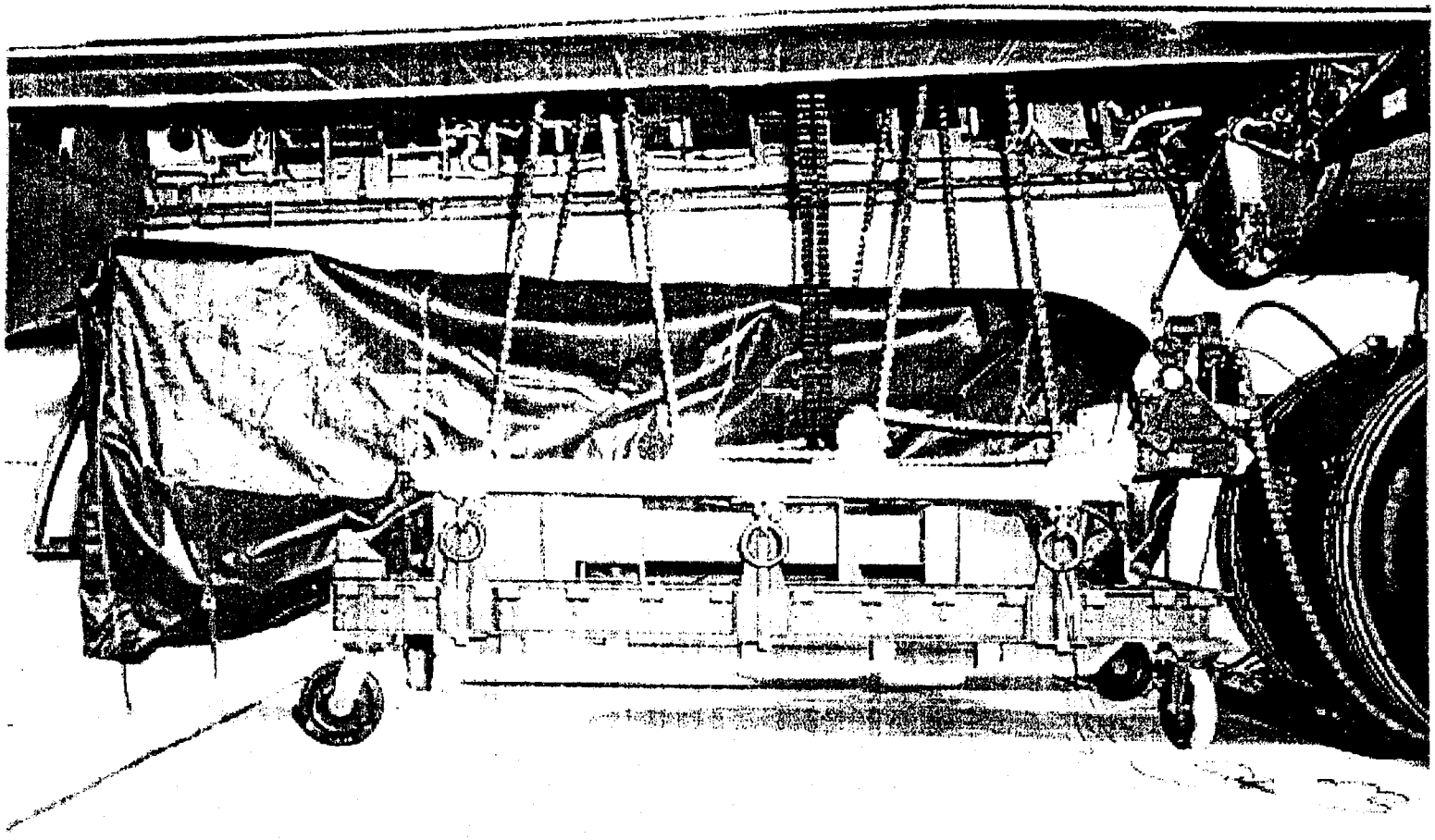

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Da[illegible]	2. CLASSIFICATION CHANGED TO: ____
2ND REVIEW-DATE: 11/24/99	3. 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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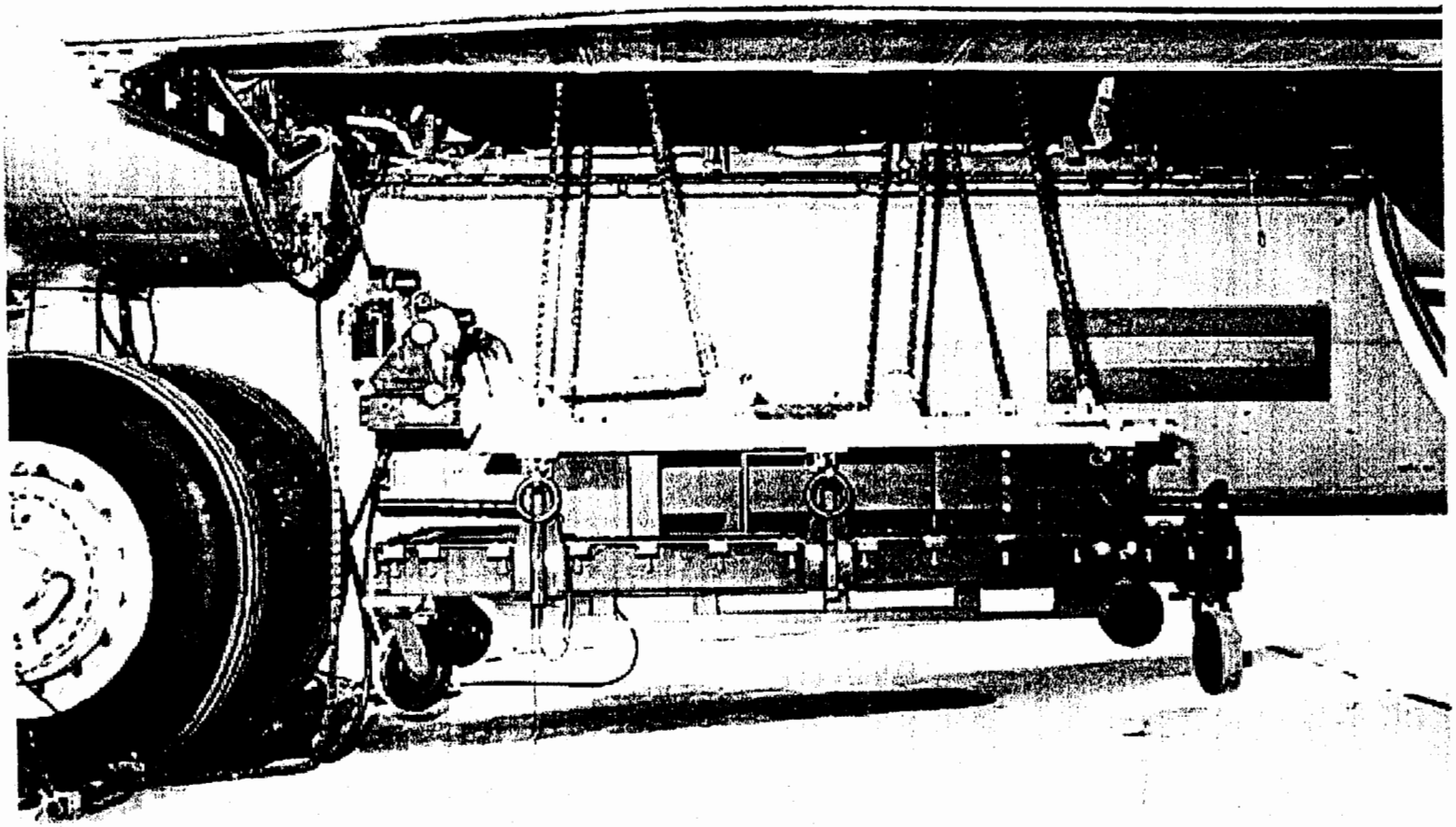

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T[redacted]ontains Restricted Data [redacted]d
in the Atomic [redacted]thorized
disclosure subi[redacted]
Sanct[redacted]

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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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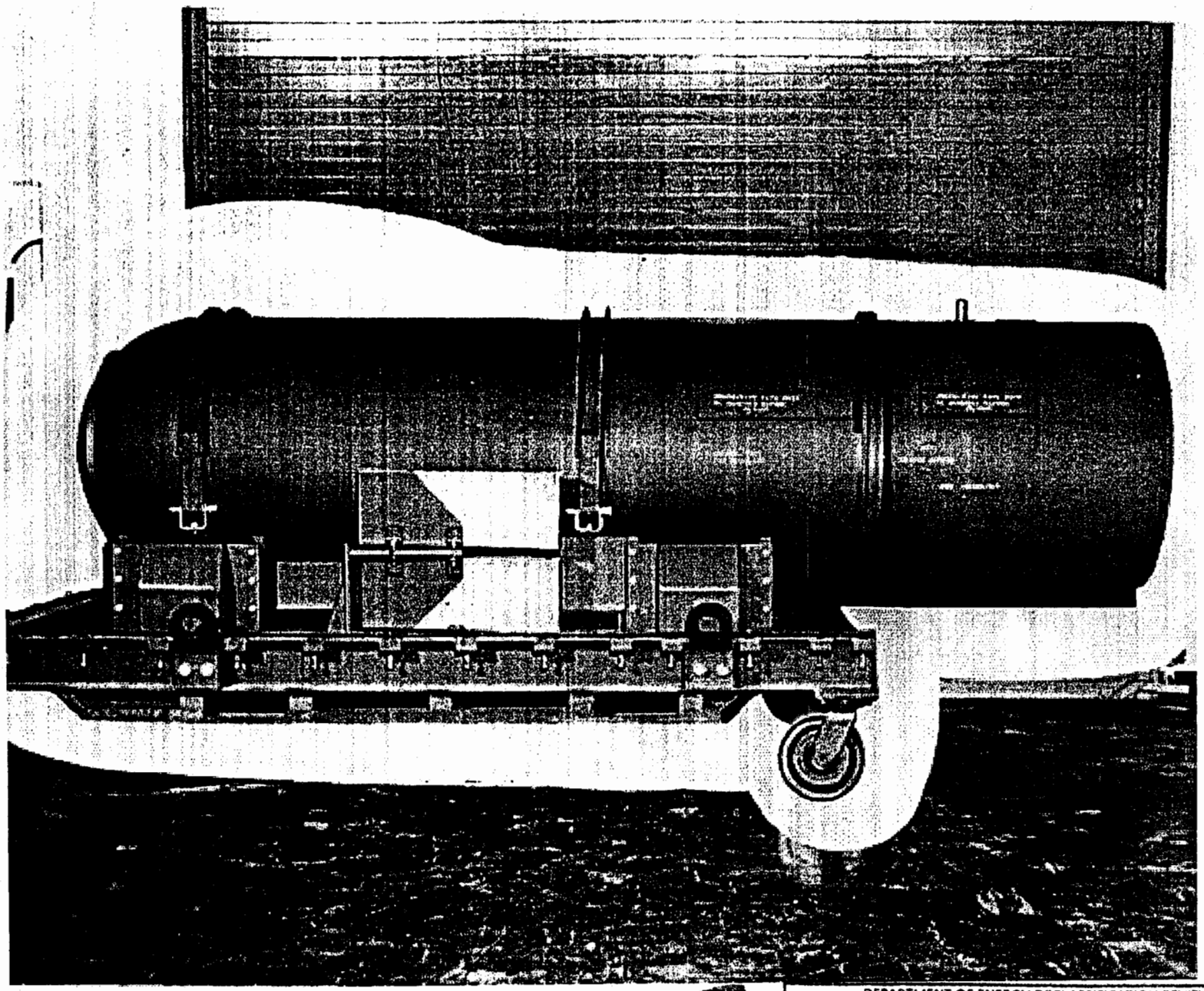

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron [illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS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

143

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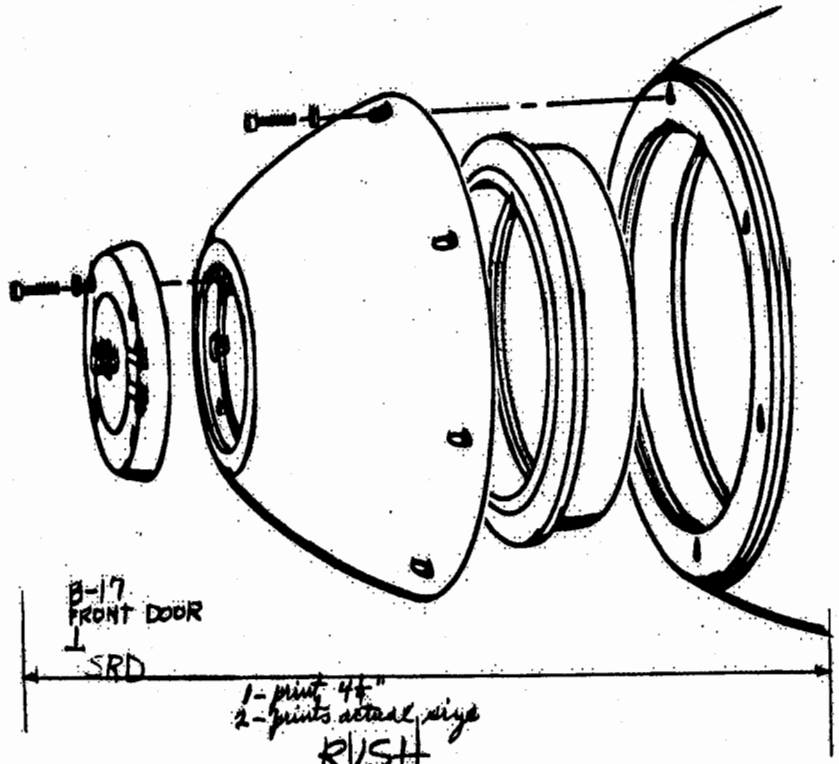

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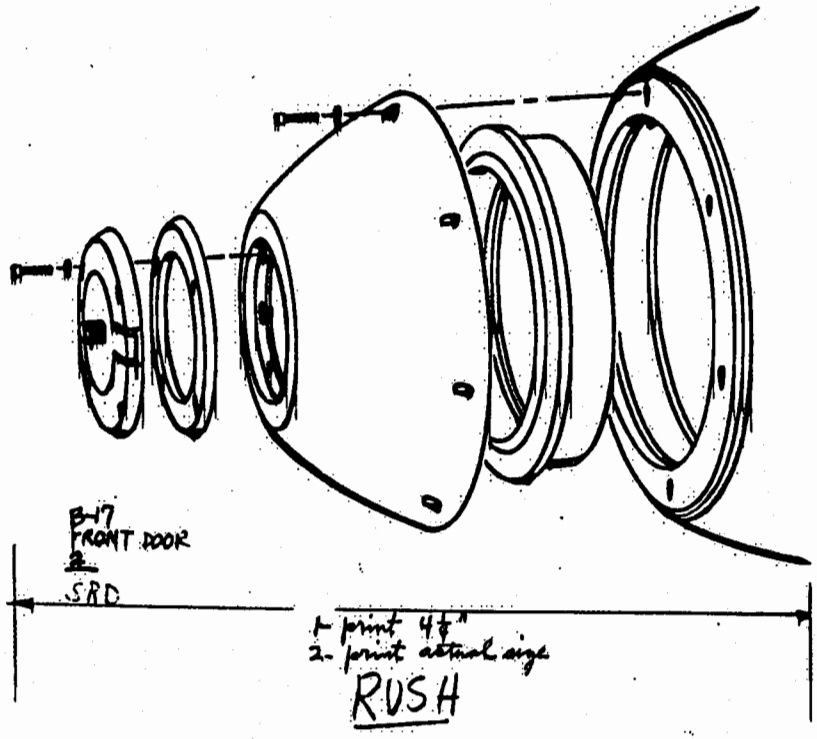
DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/24/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE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

[redacted]

SAB200167200000

9954 20B000219

[redacted]



(22)

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in the Atomic [redacted] to Administ[redacted]
disc[redacted]
[redacted]ctions.

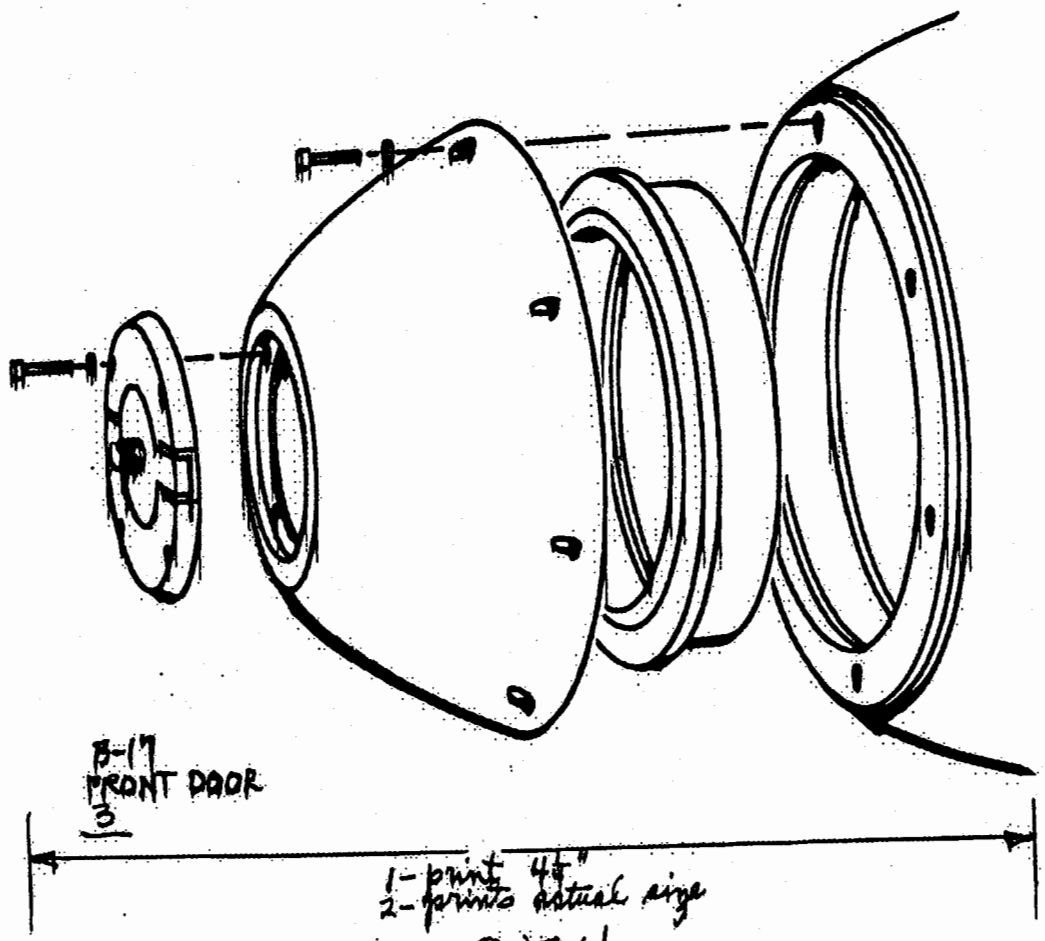
[redacted]

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 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 Greenw[illegible]	(5) CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

99SA20B000219

SAB200167210000

[redacted]



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146

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This [redacted] d in the [redacted] thorized [redacted] ject to Administrative [redacted] nctions.

[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 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 Greeney	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): ____

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99SA20130002196

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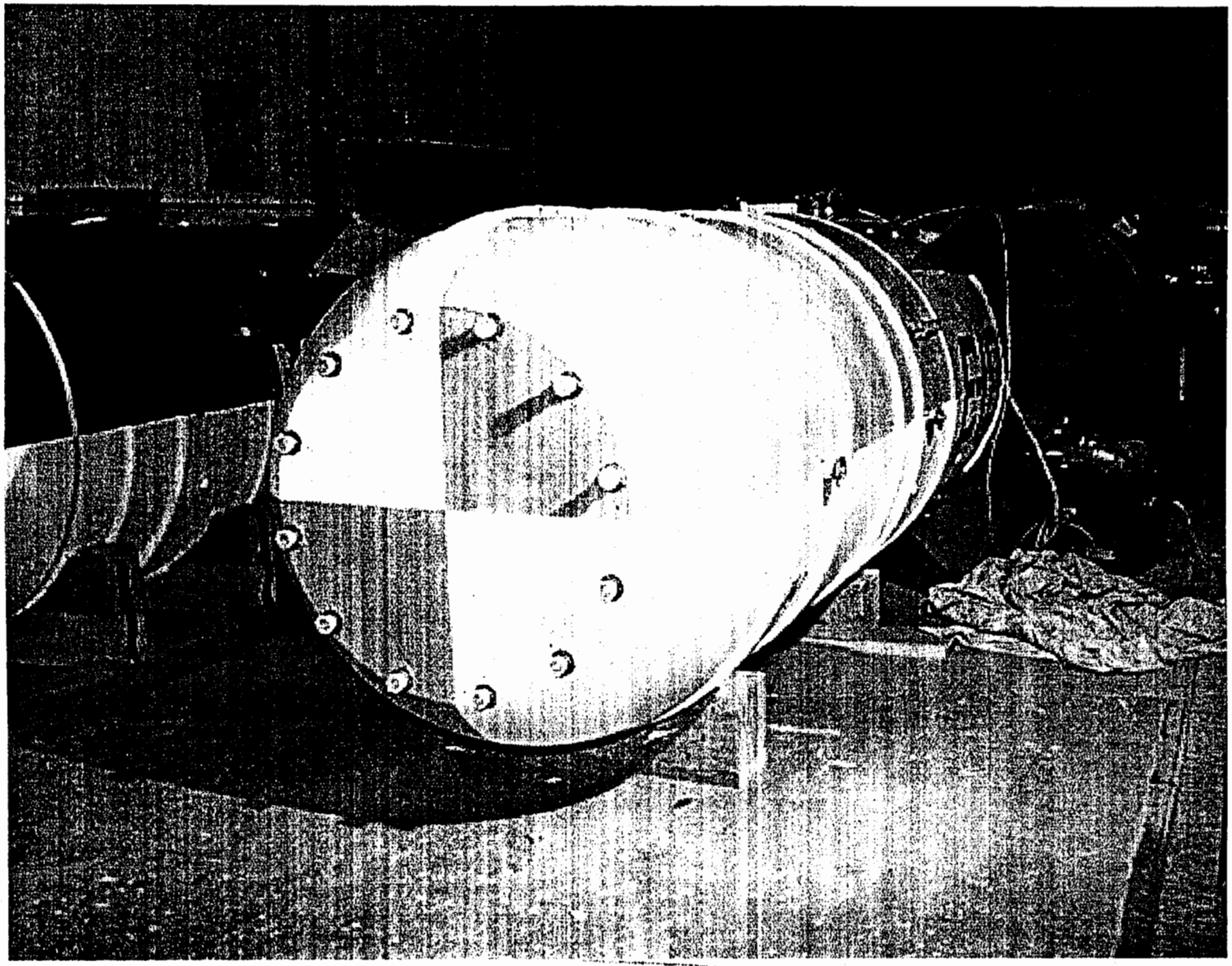

(147)

~~RESTRICTED DATA~~

This Docu[redacted]ains [redacted]ata as defined in the Atomic [redacted]1954. Unauthorized discl[redacted]ject to Administra[redacted]Criminal S[redacted]ns.

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~~SPE[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 [signature]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 12/2/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenfy	(5) CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

99SA20B000210

SA62001672300000

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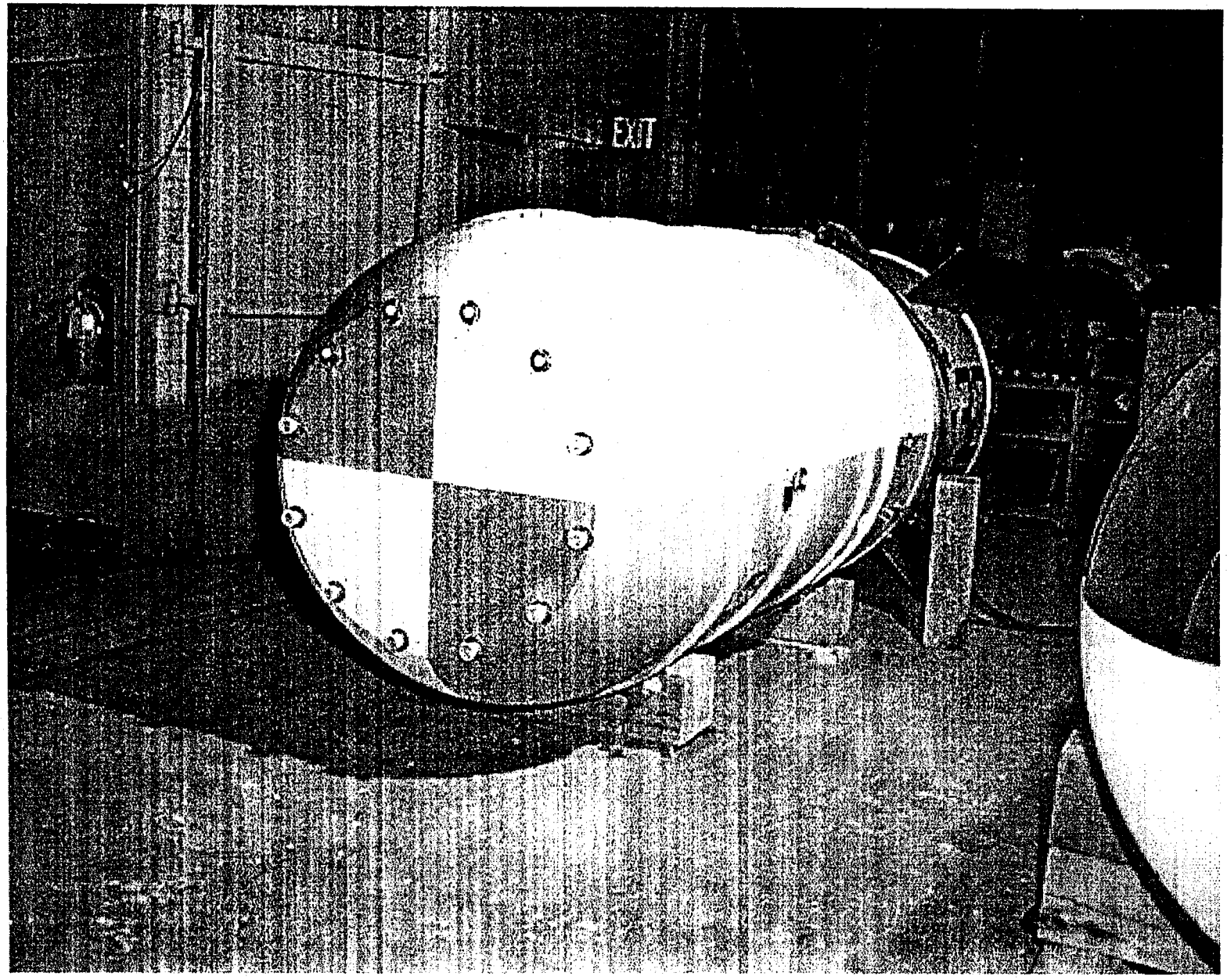

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ACC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron D	2. CLASSIFICATION CHANGED TO: ____
2ND REVIEW-DATE: 12/2/99	3. CONTAINS NO 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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MK-21

(148)

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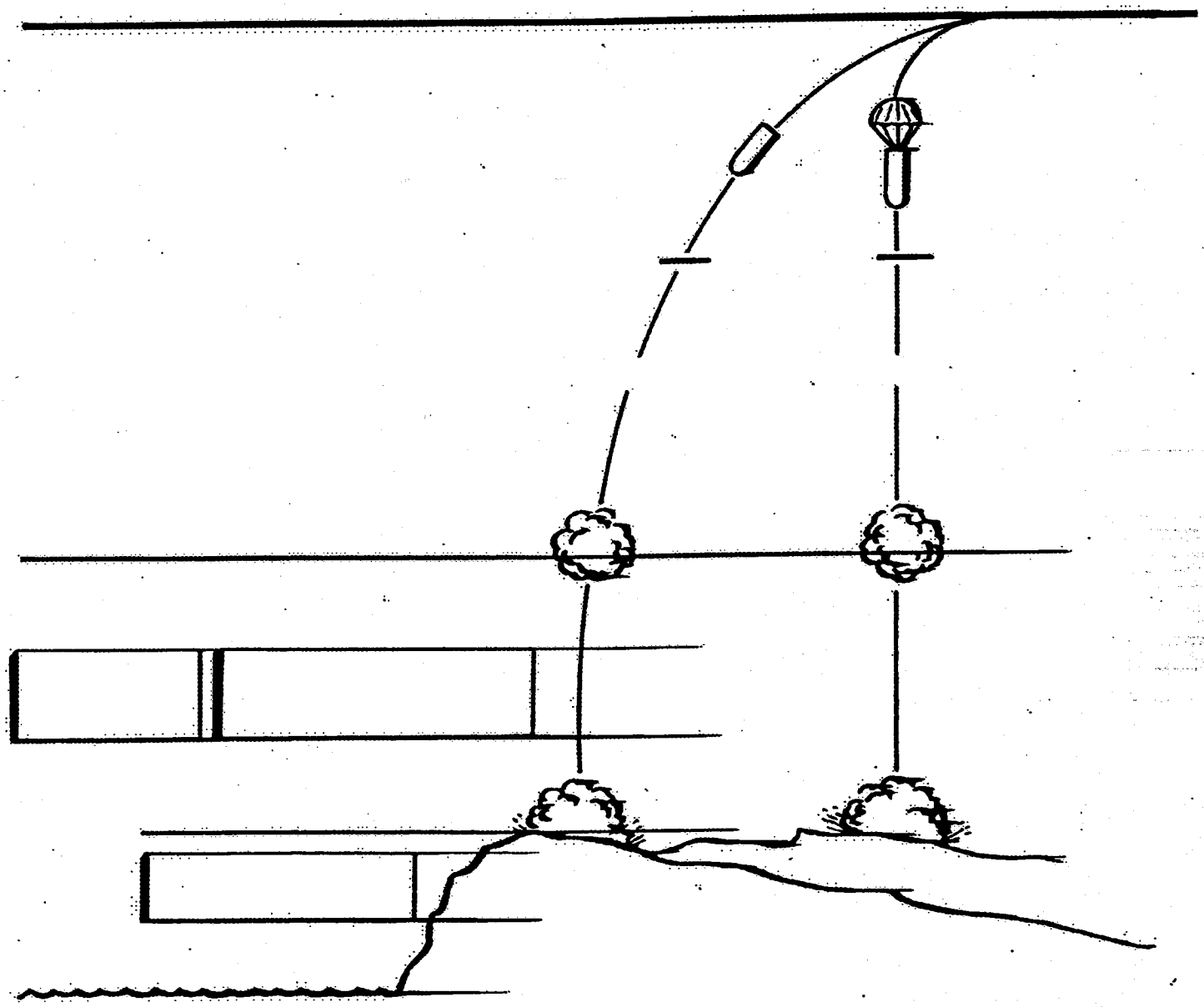
[redacted]



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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: DADC DADC DADD	1. CLASSIFICATION RETAINED
NAME: W. Byron	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):

Dr. [illegible]

[redacted]

(149)

995A20B000219

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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. Bryan [illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/22/99	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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SAB200167260000

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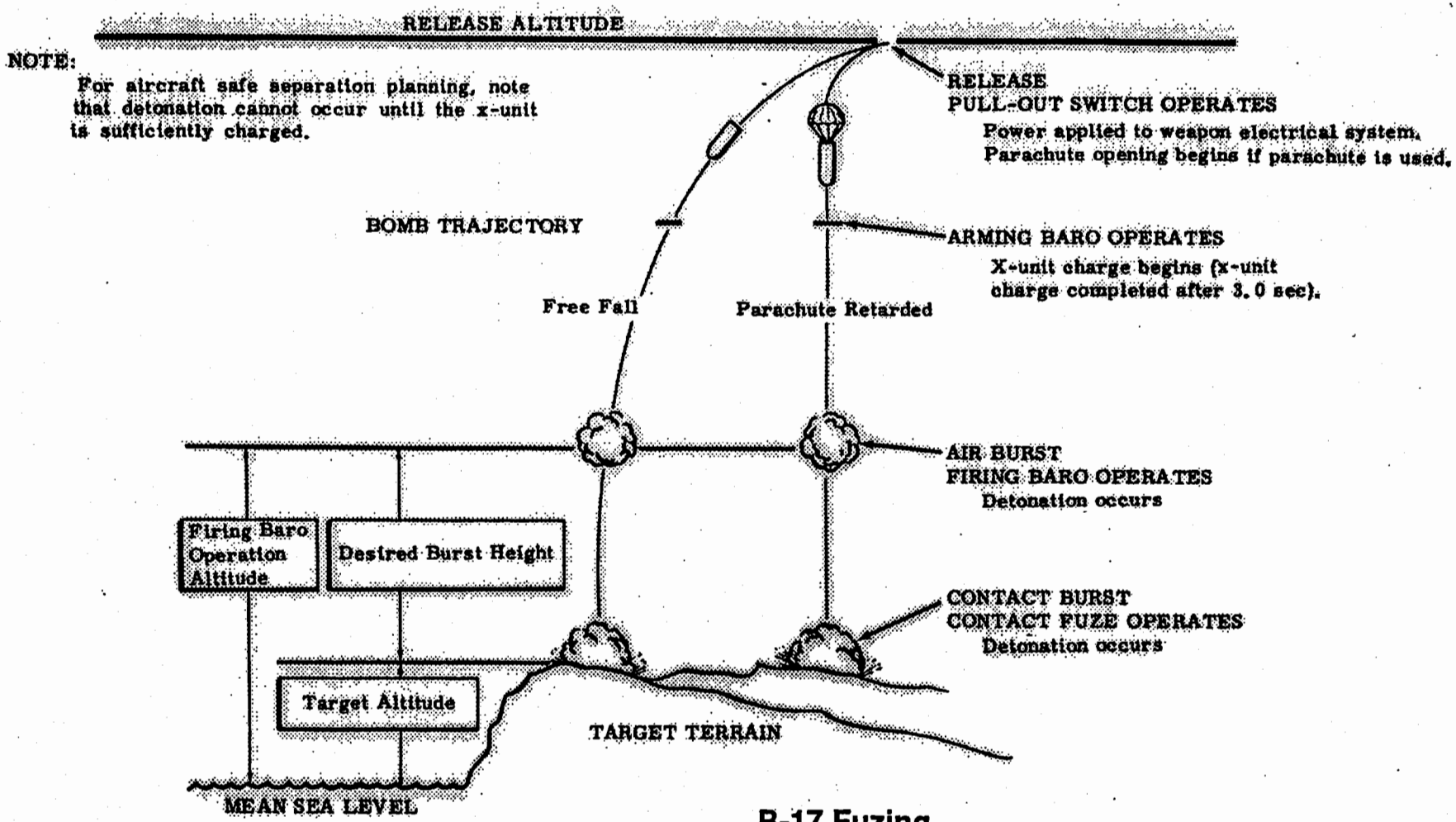

B-17 Fuzing Sequence

151

~~R[redacted]~~
~~This [redacted] contains R[redacted] Data as defined in the Atomic Ener[redacted] 1954. Unauthorized disclosure su[redacted] to Administrative and [redacted]inal Sanct[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 [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): ____

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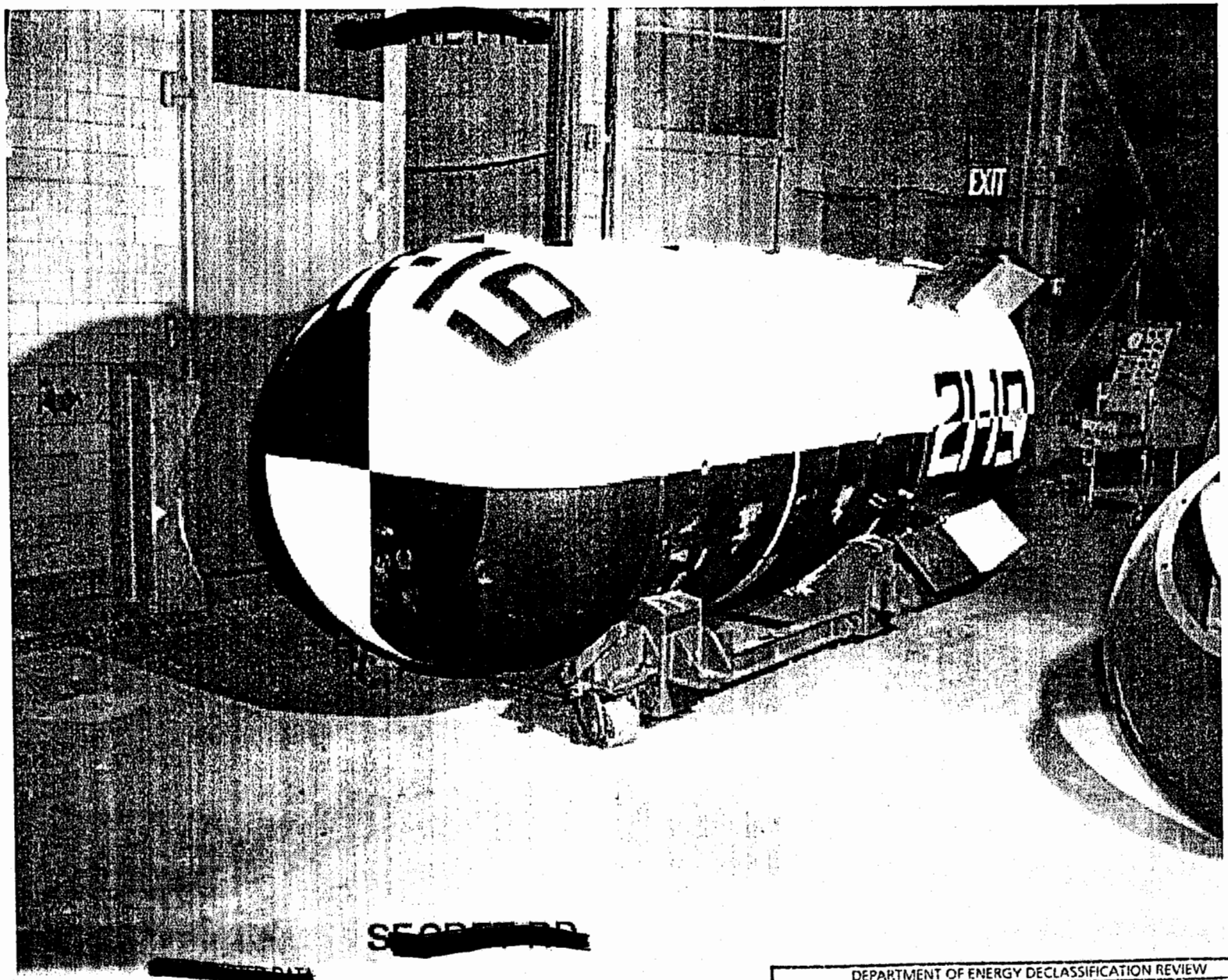

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~~This Document contains Restricted Data~~ ~~Unauthorized disclosure~~ ~~Criminal~~

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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: 12/2/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenfield	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

152

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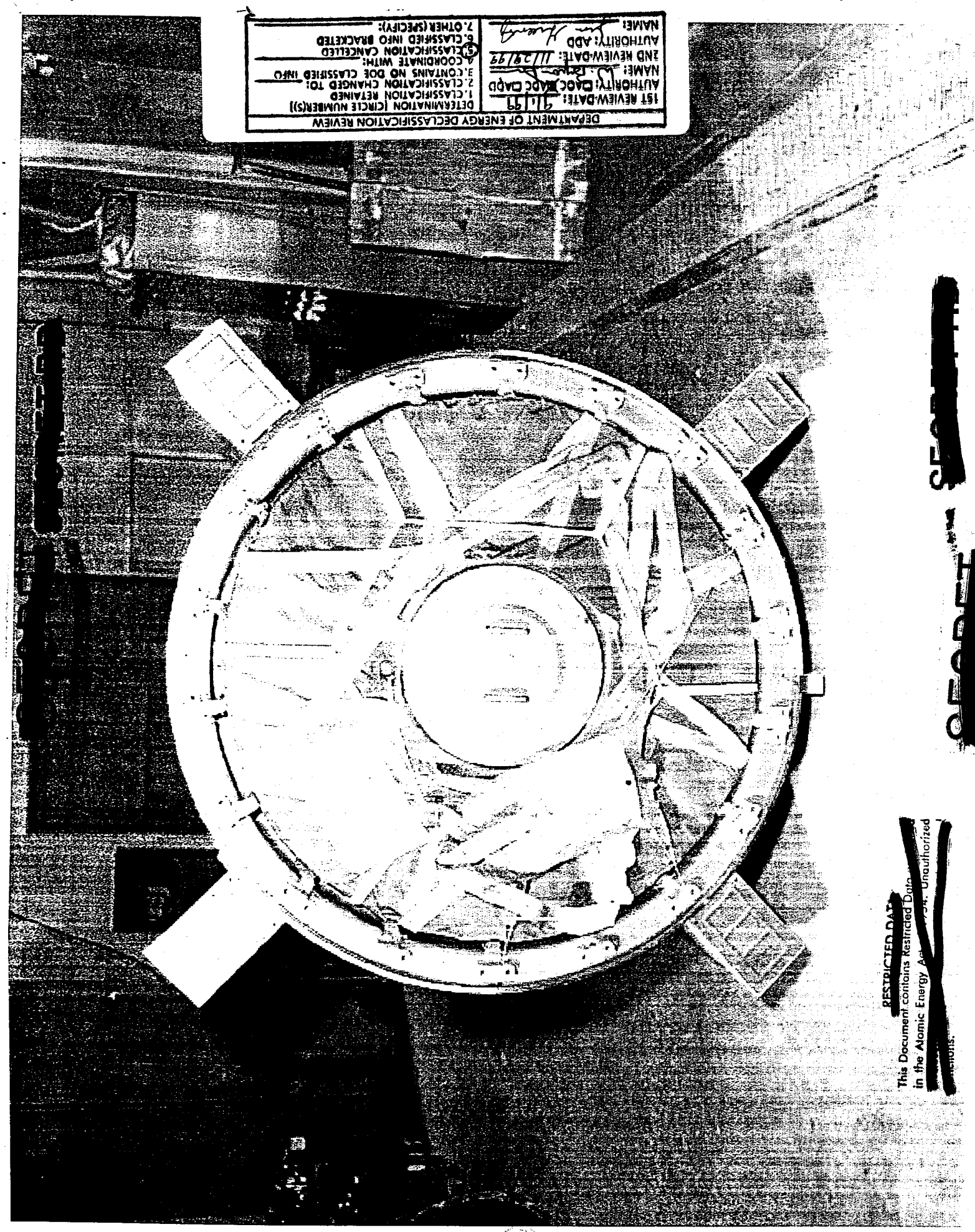

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

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

[redacted]

[redacted]

[redacted]

RESTRICTED DATA

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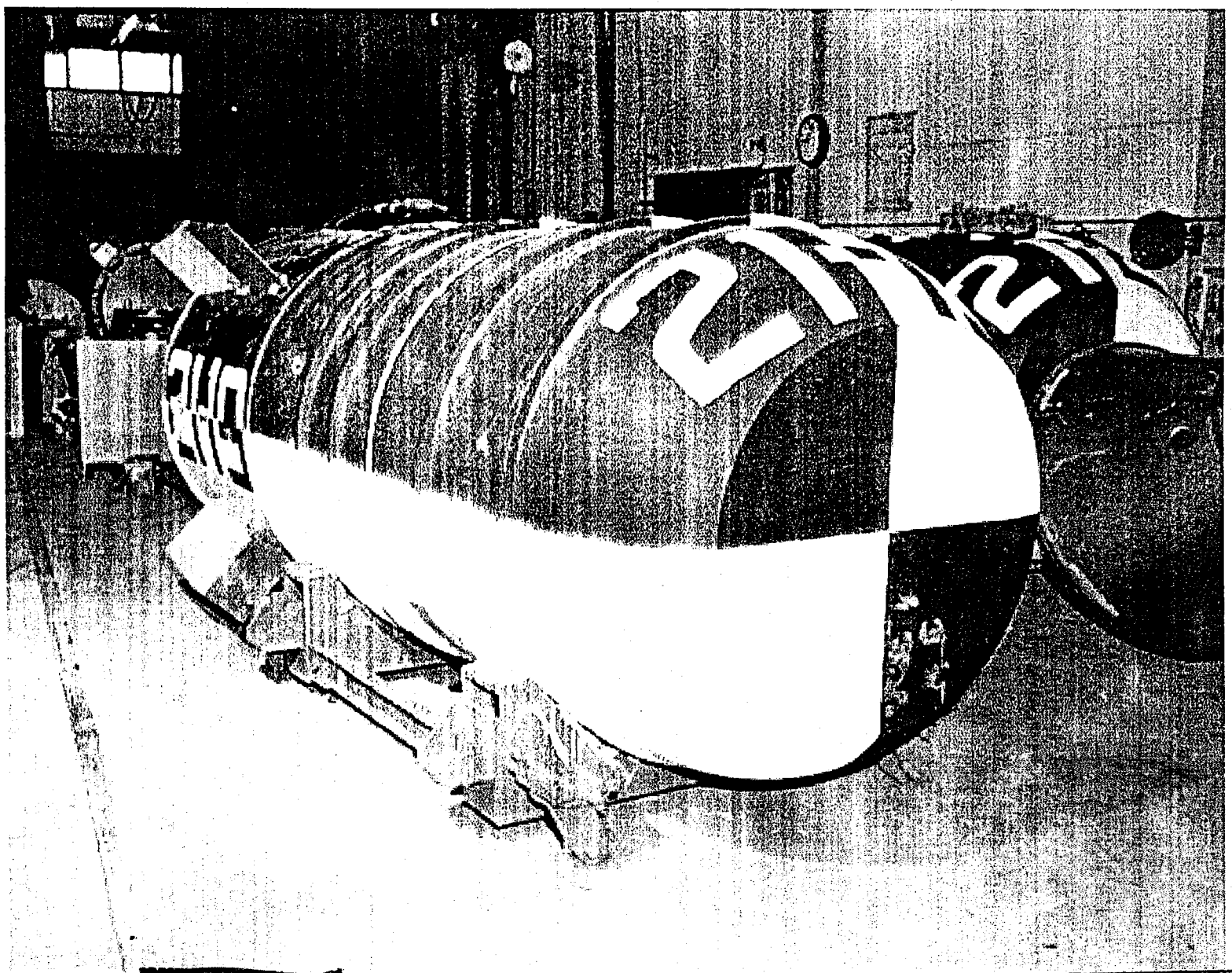

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MX–21 for Drop Test

~~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. Byron [illegible]	2. CLASSIFICATION CHANGED TO: SFRD
2ND REVIEW-DATE: 12/2/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

154

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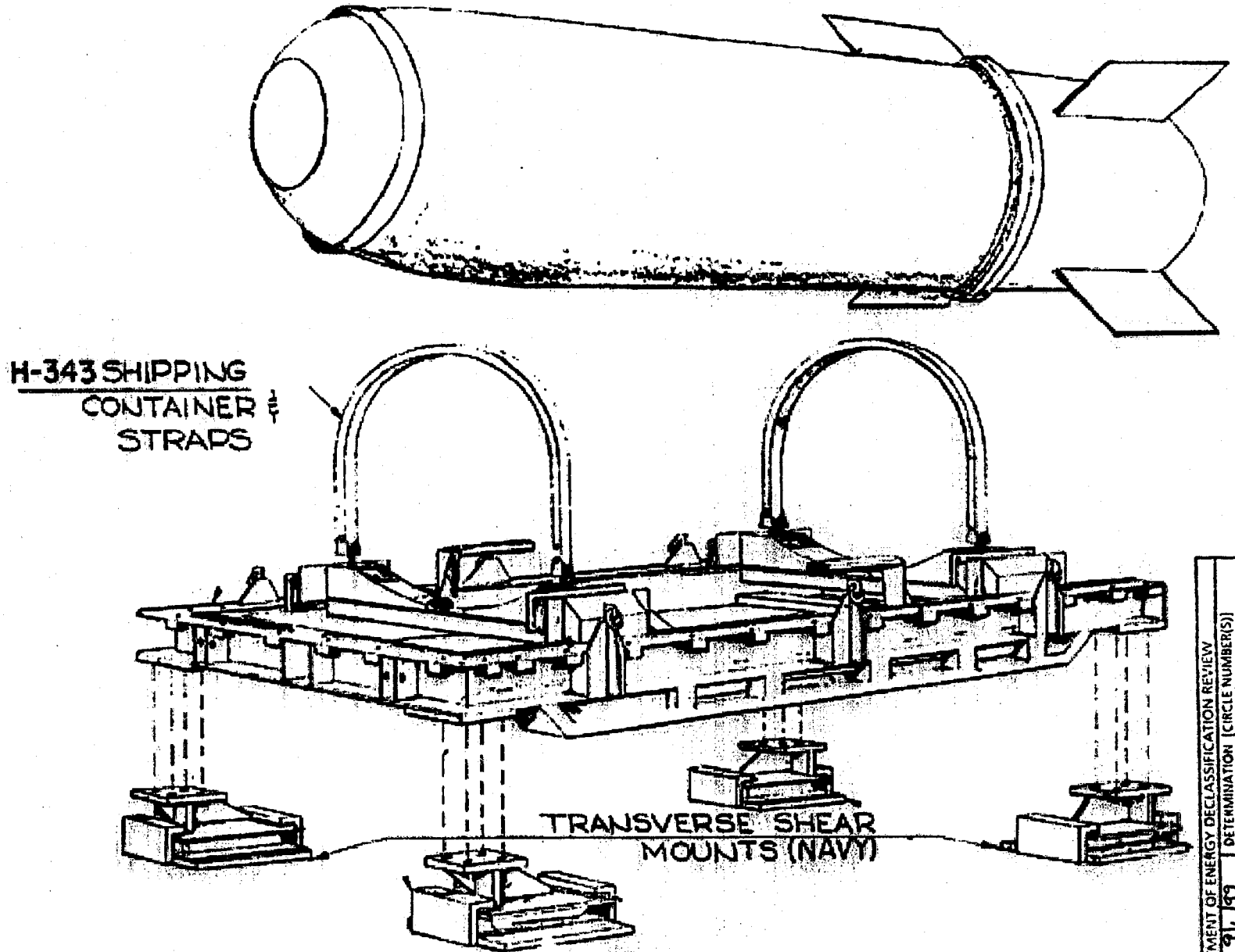

MARK 15 STOWAGE
ON SHIPPING CONTAINER WITH TRANSVERSE
SHEAR MOUNT ADDED

~~CONFIDENTIAL~~

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This Document contains Re[redacted] as defined [redacted] 1954. Unauthorized disclos[redacted] subject to Administrative and [redacted] ctions.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 9/1/99
AUTHORITY: ☐ADC ☒ADD ☐ADD
NAME: W. Byrne
2ND REVIEW-DATE: 11/29/99
AUTHORITY: ADD
NAME: Jim Kennedy

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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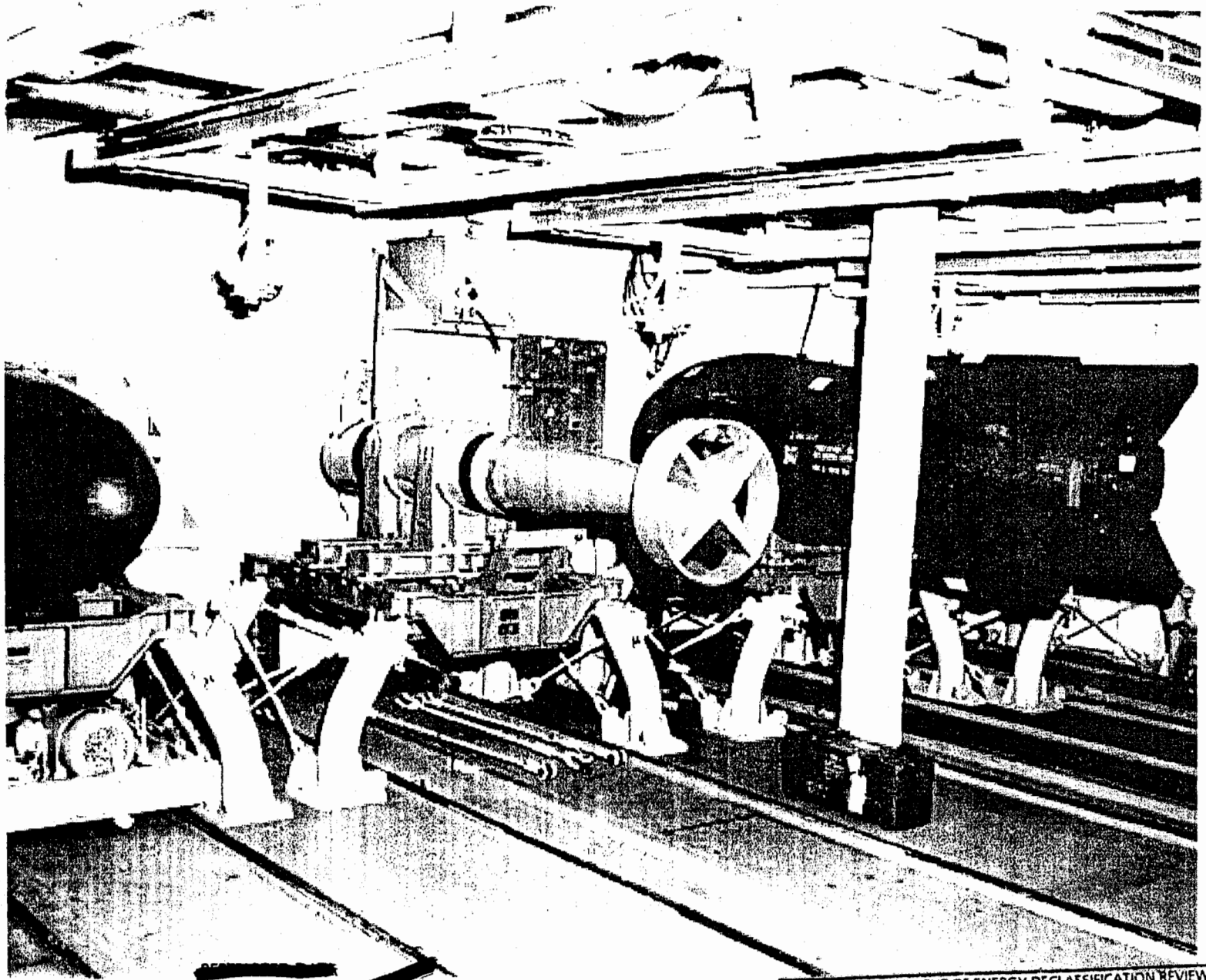

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This Document contains Restricted D[redacted] defined [redacted] 54, Unauthorized disclosure subi[redacted] Administrative [redacted] Sa[redacted]

[redacted]

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

99SA20B000219

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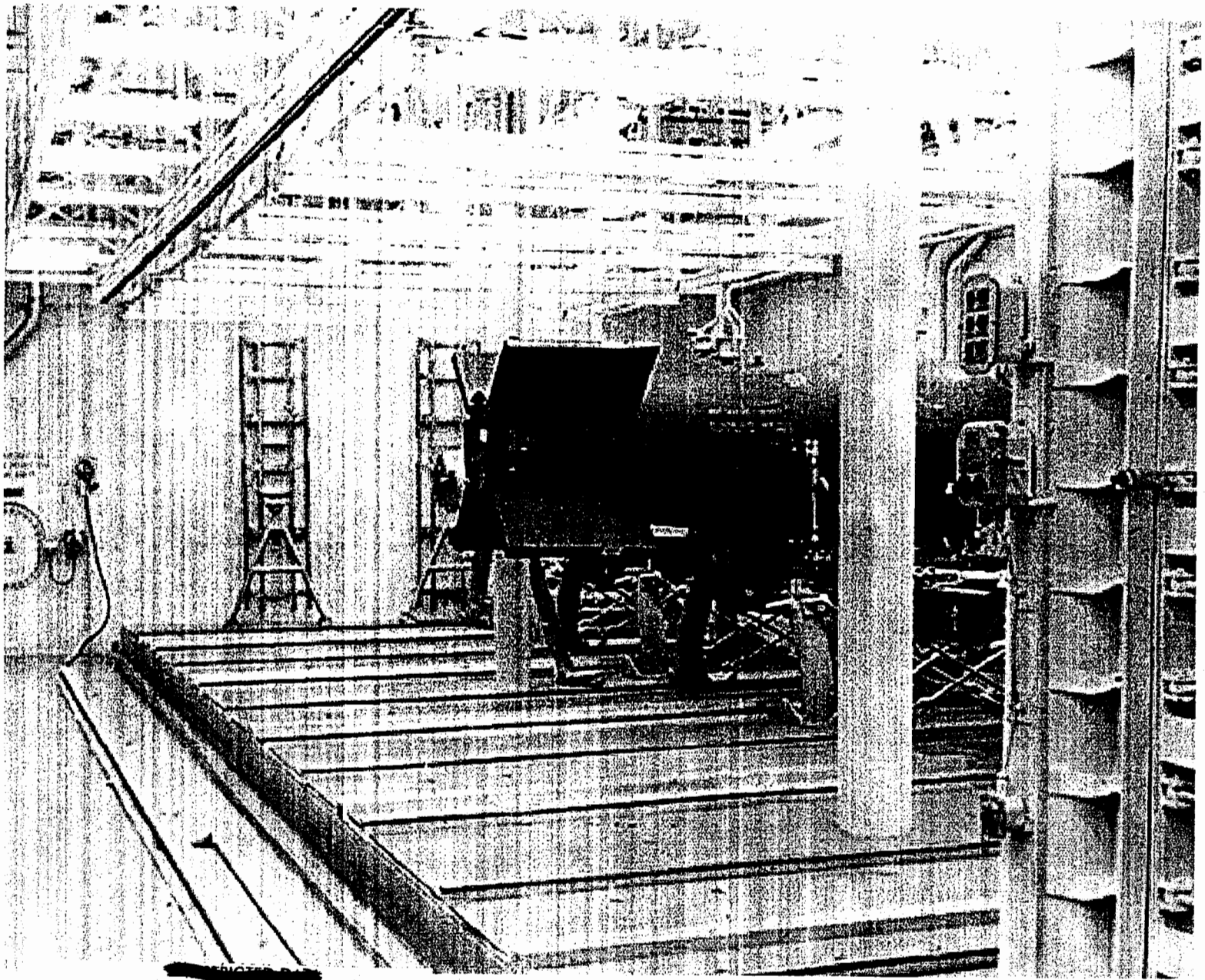

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~~This Document contains Restricted Da[redacted] in the [redacted]. Unauthorized disc[redacted] Criminal Sanctions.~~

~~SECRET~~

[redacted] Nuc 5 stowed aboard ship

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 Greeney	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

(157)

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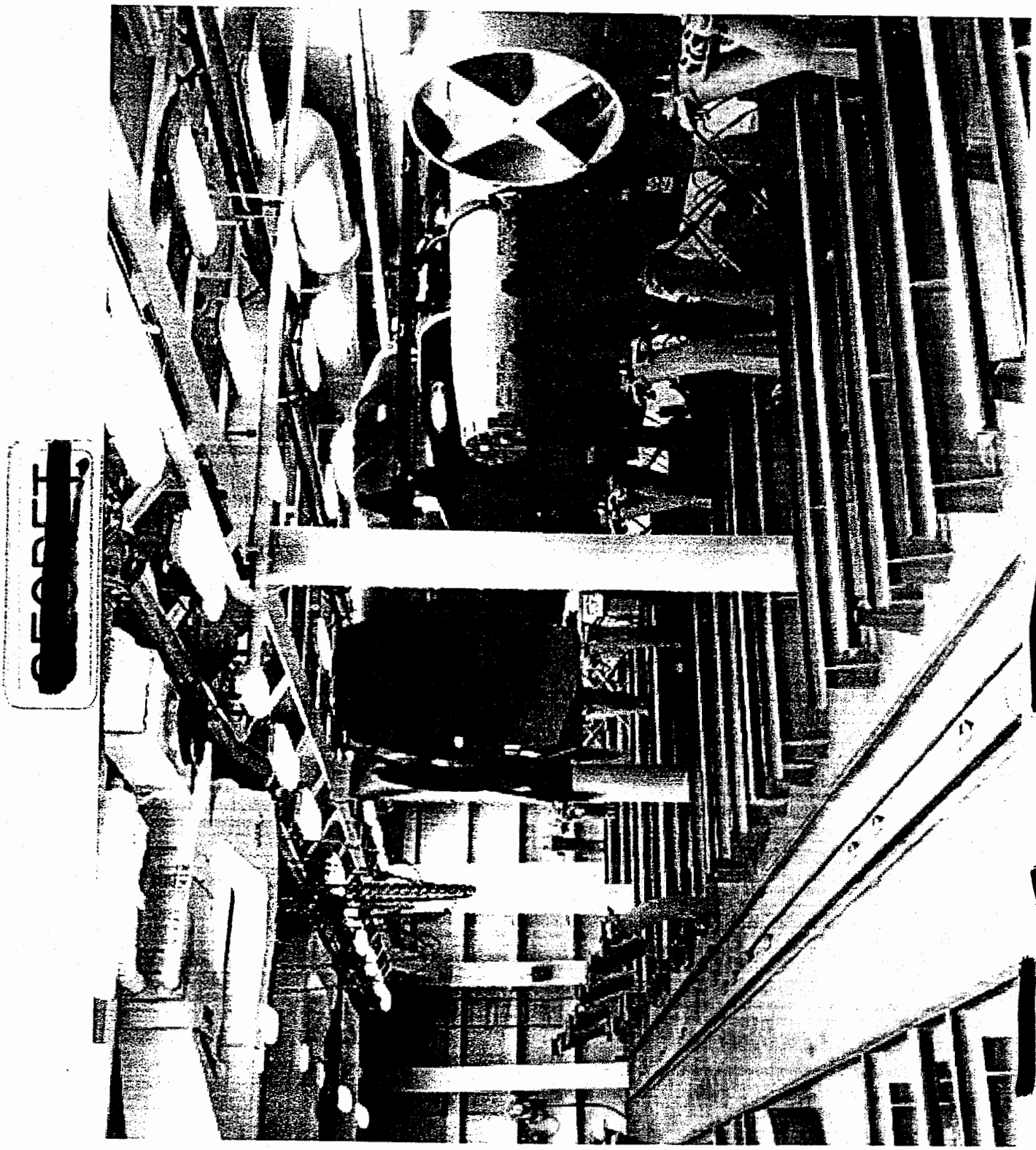

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Full Scale Test Program

[redacted] contains Restricted [redacted] Unauthorized [redacted] in the Atom[redacted] subject to Administrat[redacted] sanctions.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ADC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Dr[illegible]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 12/7/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenwood	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

158

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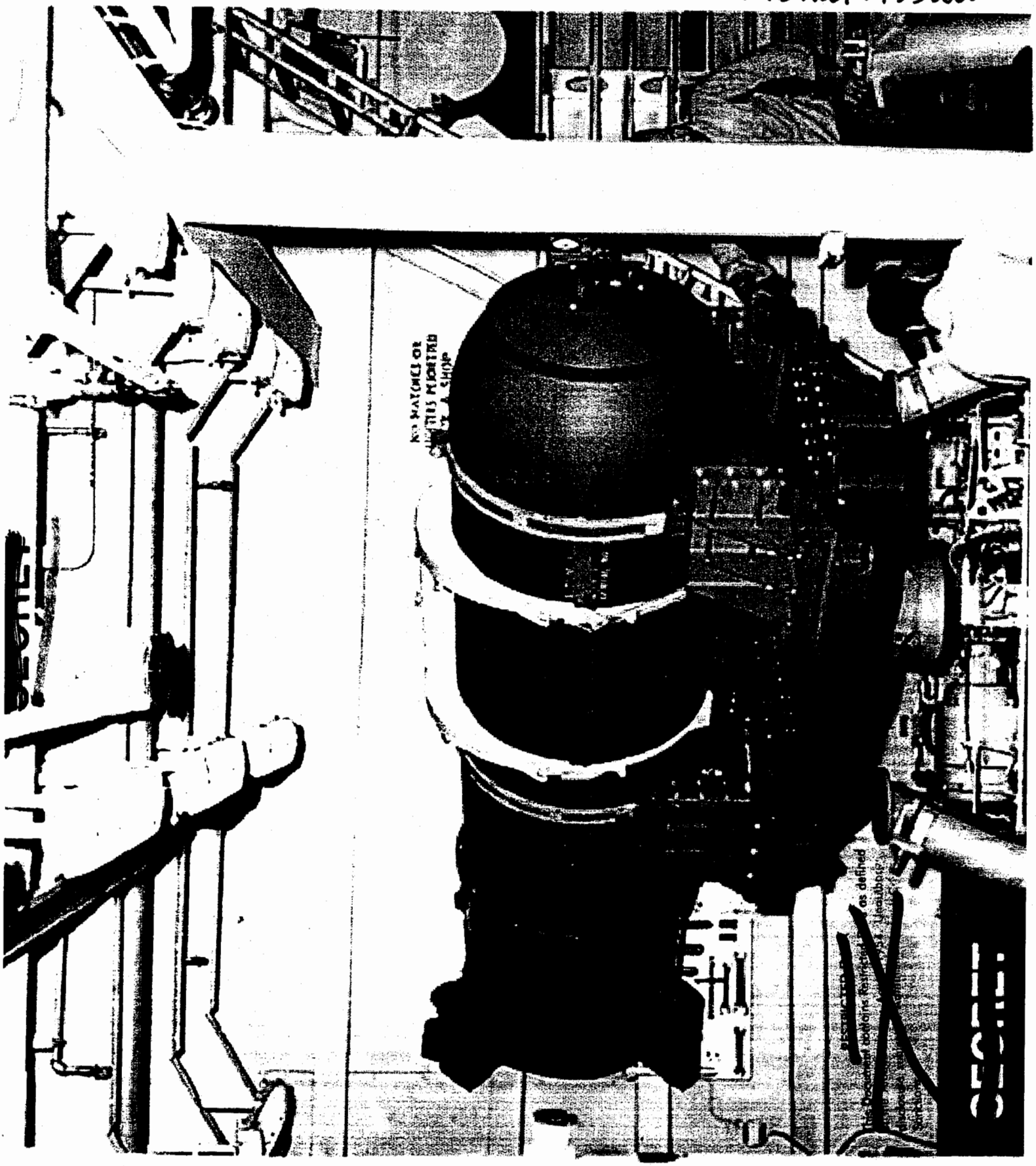

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Davis	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/29/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: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

159

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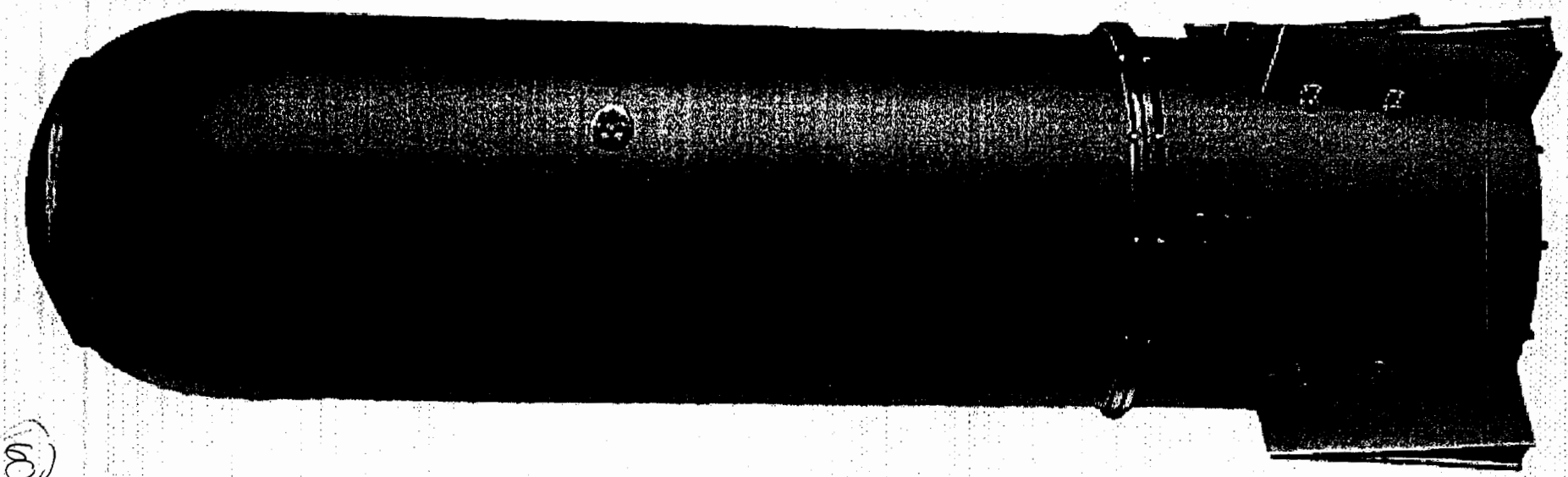

~~RESTRICTED DATA~~

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

B-15 ~~UNCLASSIFIED~~

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐AOC ☒ABC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Byron Lee	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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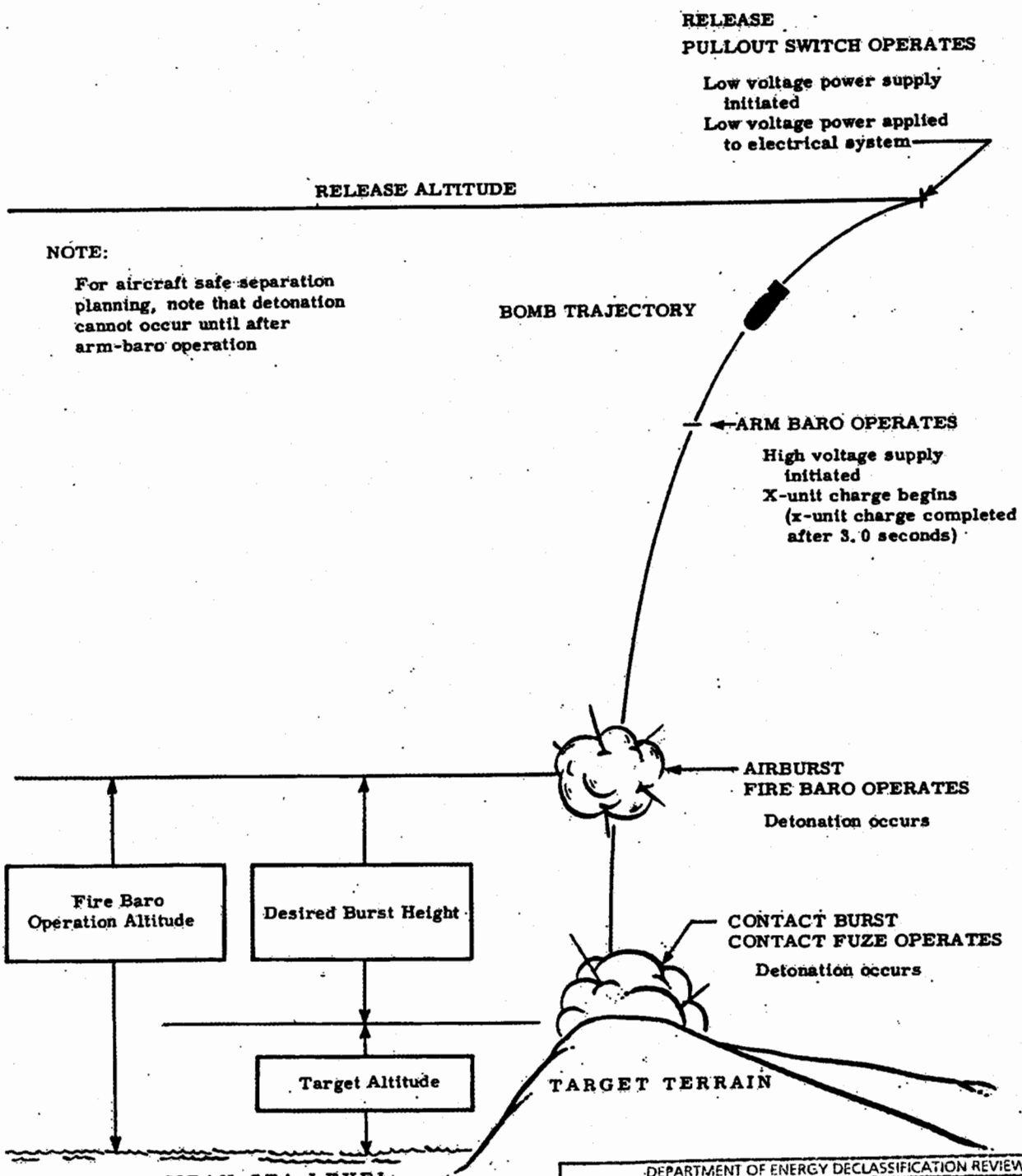

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99 AUTHORITY: ☐AOC ☒ADC ☐ADD NAME: W. Byron D 2ND REVIEW-DATE: 11/29/99 AUTHORITY: ADD NAME: Jim Greenf	DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: ____ 3. CONTAINS NO DOE CLASSIFIED INFO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

[redacted]

[redacted]

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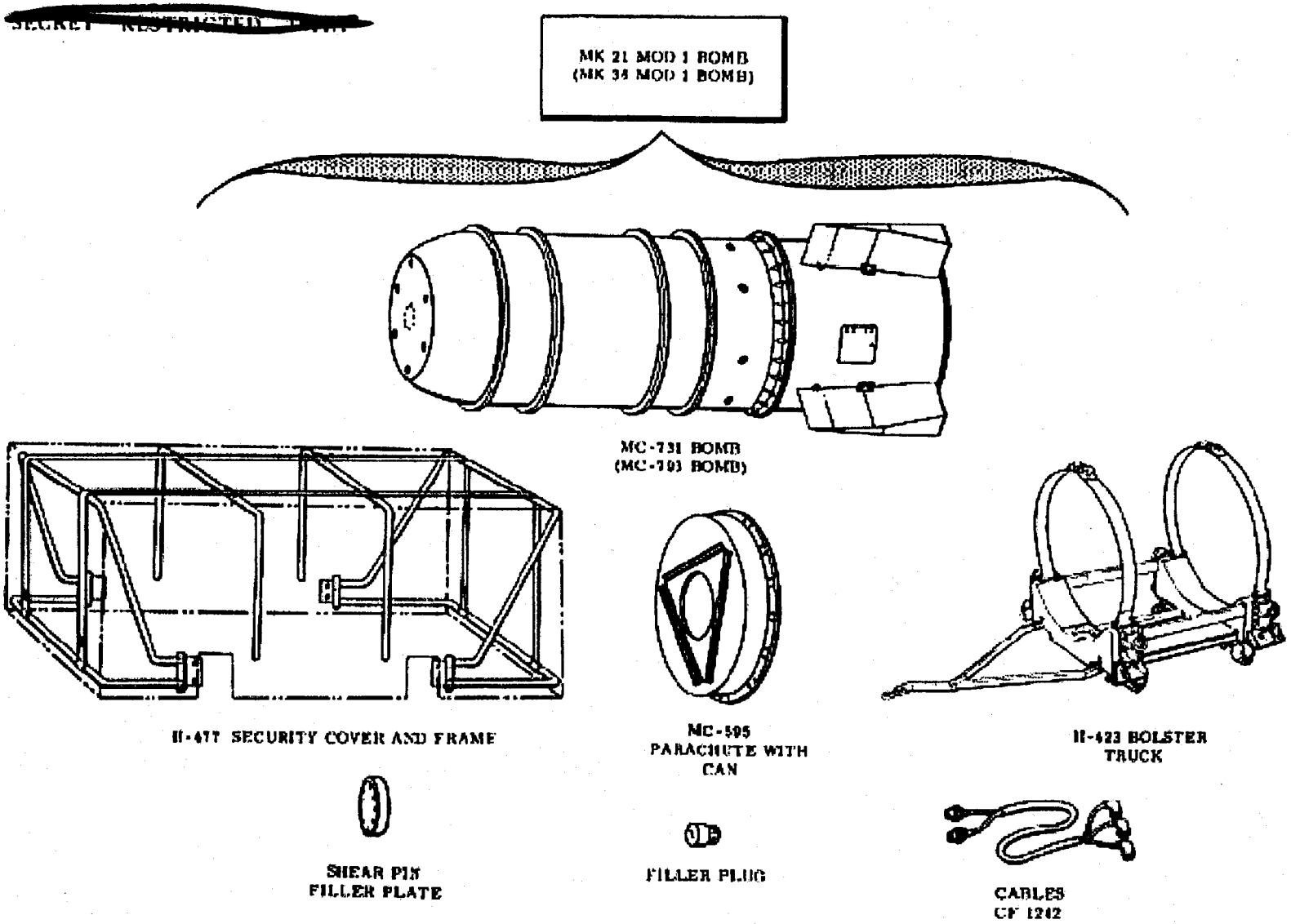

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 9/1/99
AUTHORITY: ADC ADD
NAME: W. Byrd
2ND REVIEW-DATE: 11/29/99
AUTHORITY: ADD
NAME: Jim Greenfield
DETERMINATION [CIRCLE NUMBER(S)]
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE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

[redacted]
[redacted] Document contains Restric[redacted] as defined in the A[redacted]954. Unauthorized di[redacted] to Administ[redacted] sanctions.

MK 21 (MK 36) BOMB ILLUSTRATED PARTS BREAKDOWN

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[redacted]
SK(7113) 55105

[redacted]

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SAB200167390000

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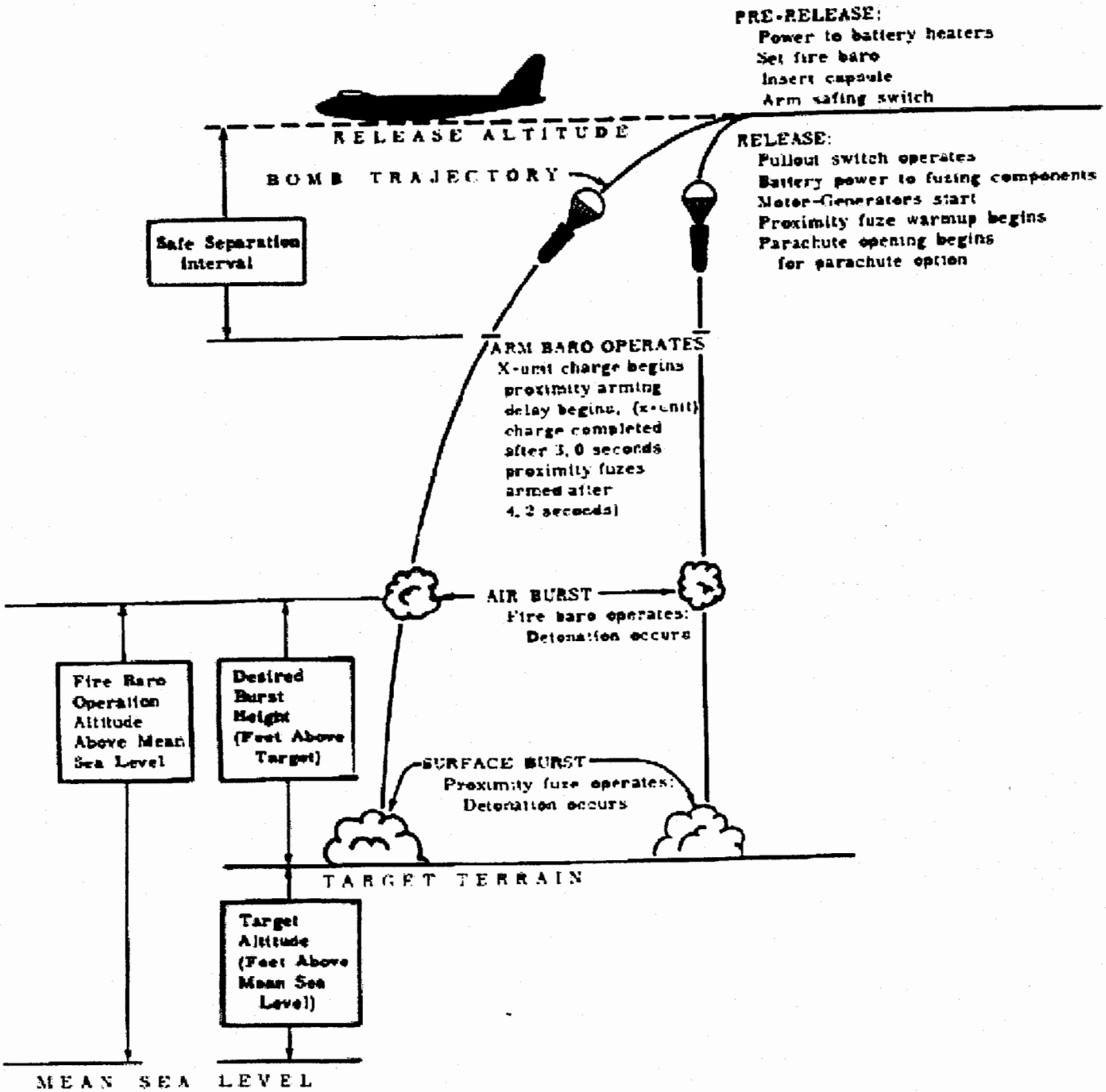
[redacted]



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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.~~

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): ____

[redacted]

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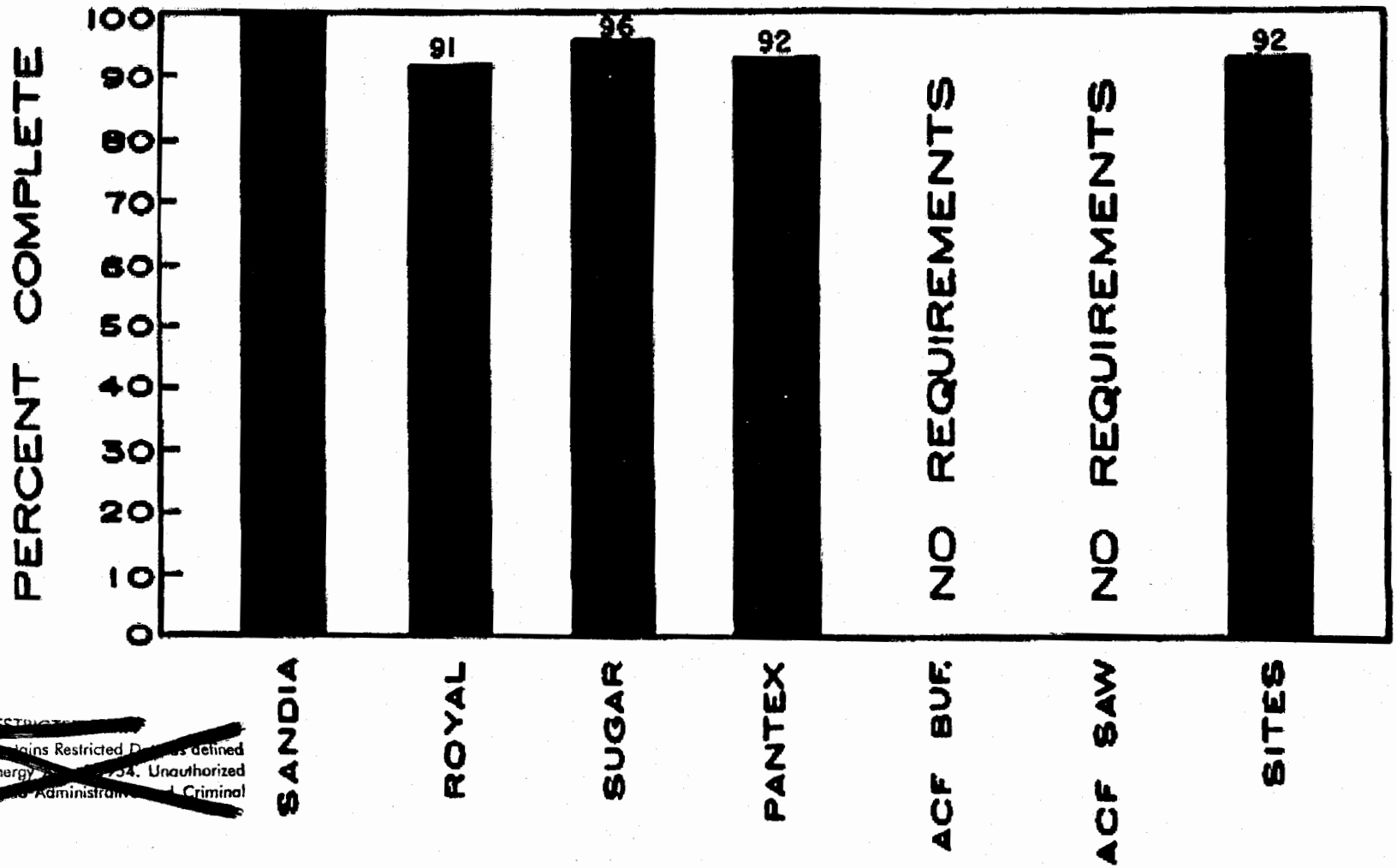
STATUS OF QA
EQUIPMENT NEEDS — 1 APRIL 1956

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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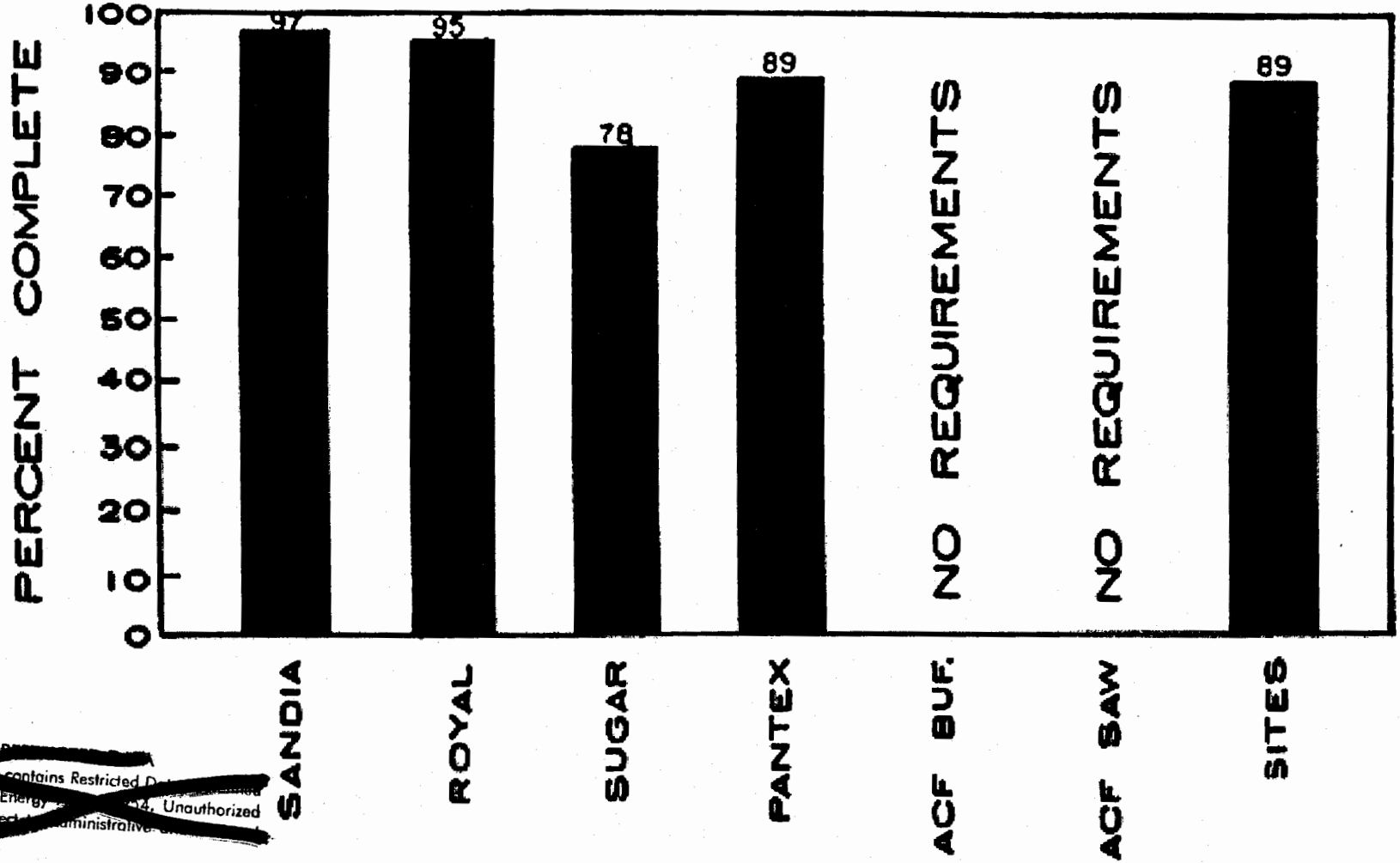
~~SECRET~~

STATUS OF QA

EQUIPMENT NEEDS — 1 APRIL 1956

MK 15 PROGRAM



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QA INSPECTION AGENCY

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~~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

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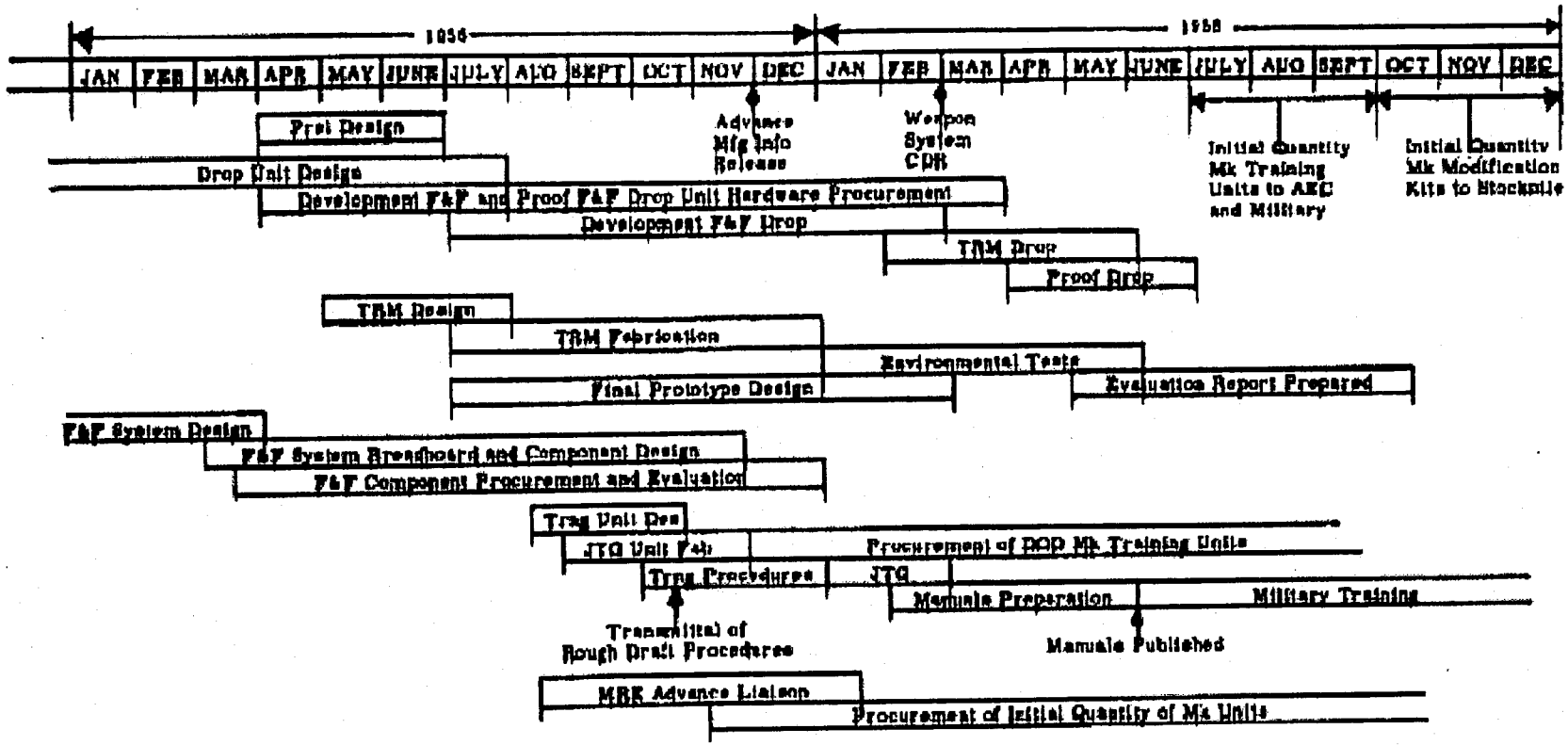
[redacted]



Mk 21/36 Mod 1 development schedule

166

[redacted]

This Document contains Restricted Data [redacted] in [redacted] unauthorized [redacted] subject to Administrative [redacted] sanctions.

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 [signature]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/29/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greenfield	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

[redacted]

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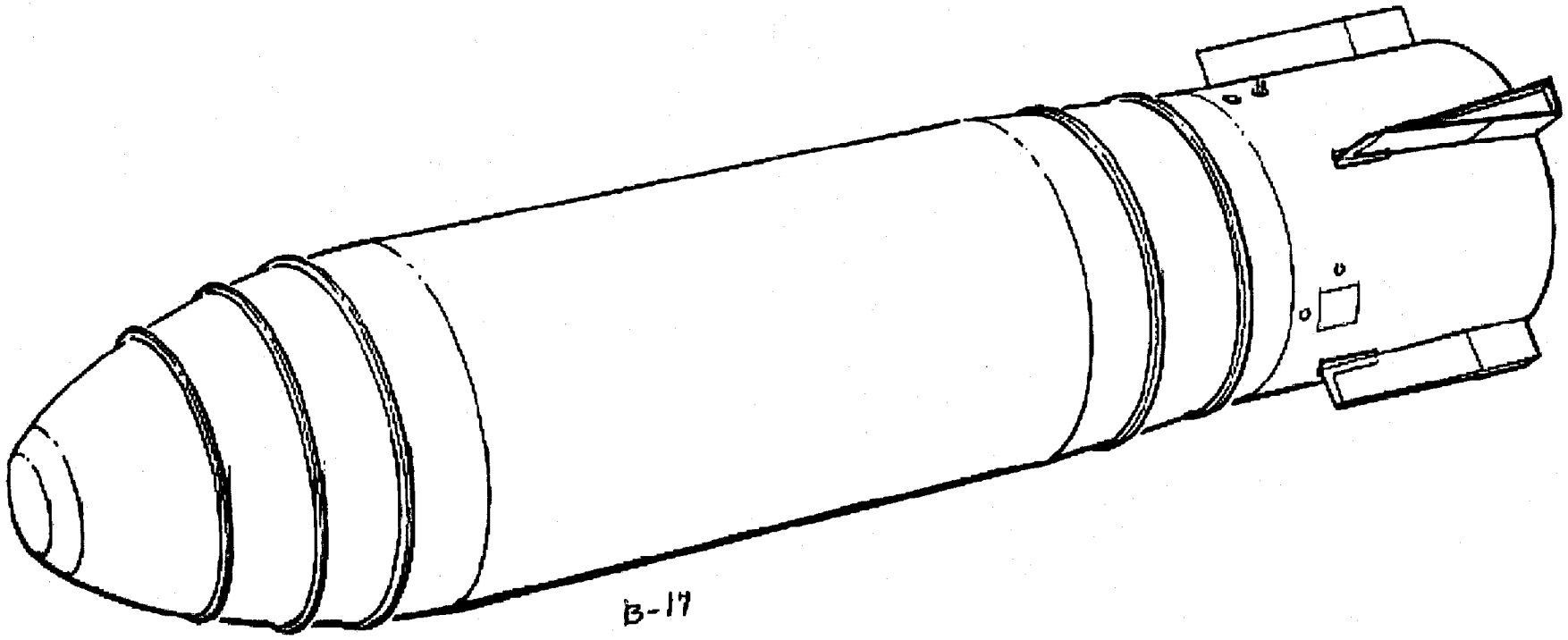
[redacted]



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):

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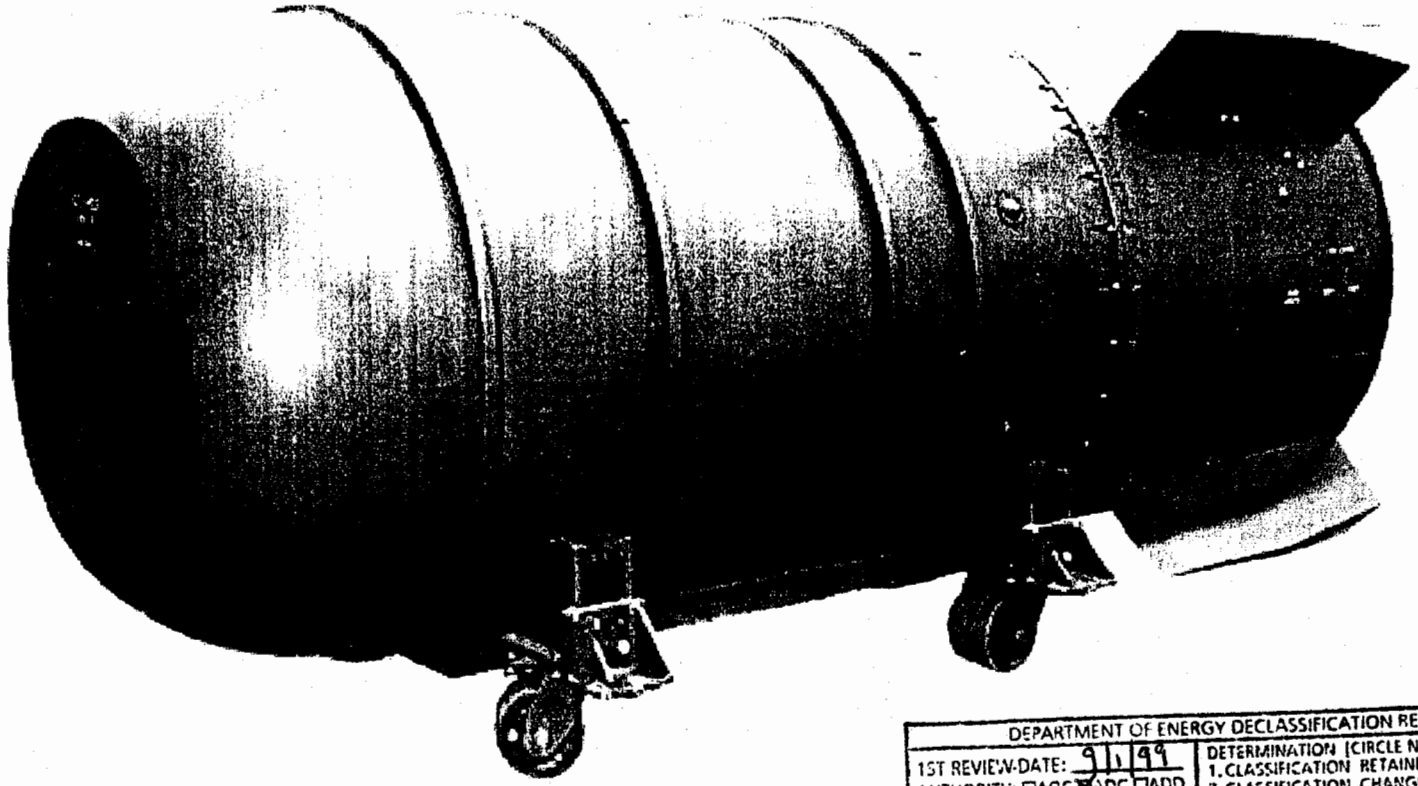
SECRET



DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99 AUTHORITY: ☐DOC ☒ADC ☐ADD NAME: W. Byron Dow 2ND REVIEW-DATE: 11/29/99 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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~~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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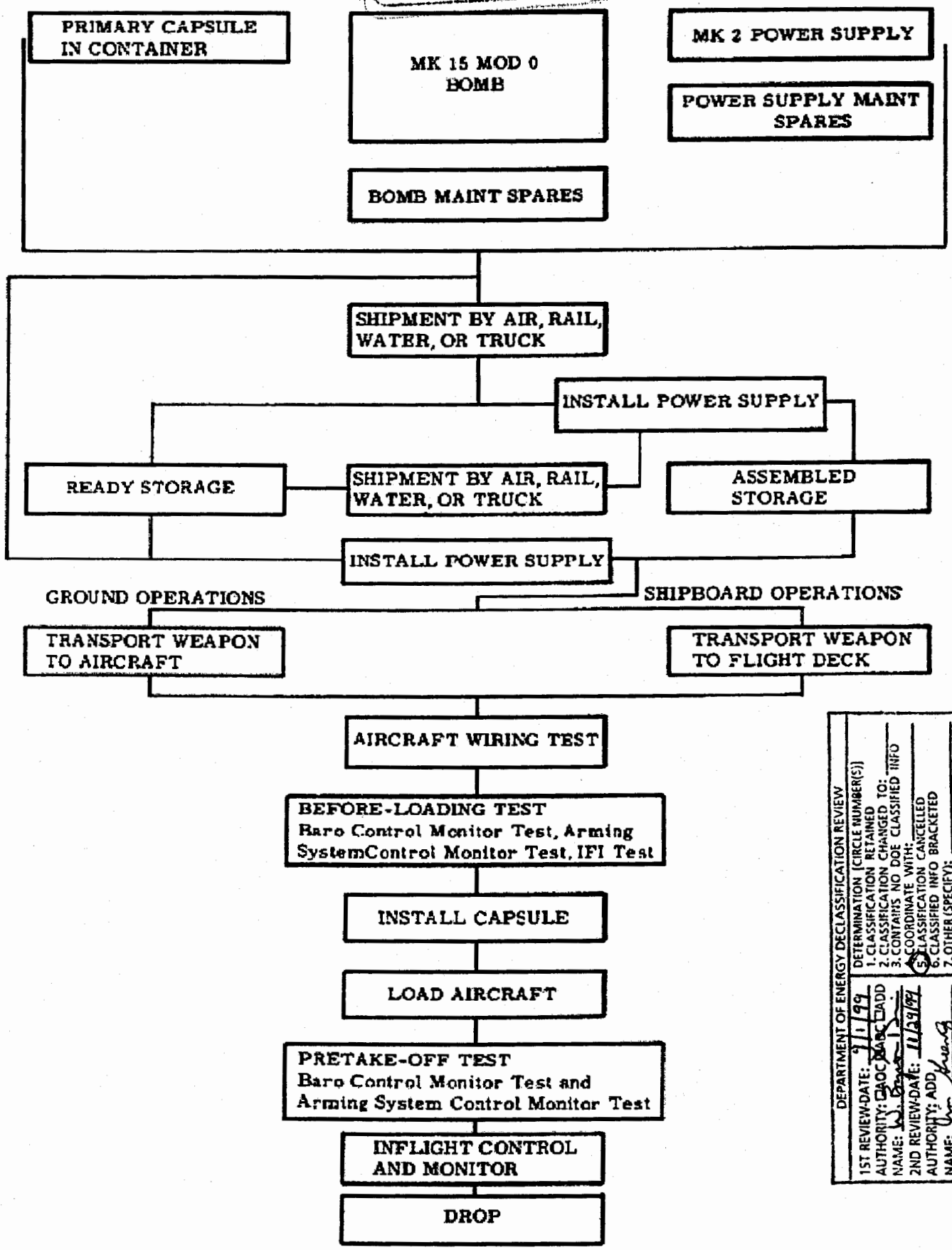

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 3/1/99 DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: DADC DADD 1. CLASSIFICATION RETAINED
NAME: 2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
2ND REVIEW-DATE: 11/29/99 4. COORDINATE WITH:
AUTHORITY: ADD 5. CLASSIFICATION CANCELLED
NAME: 6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):

2-Prints Actual Size Stockpile to Target Sequence B-15
to File Copy
RUSH! SEC.

~~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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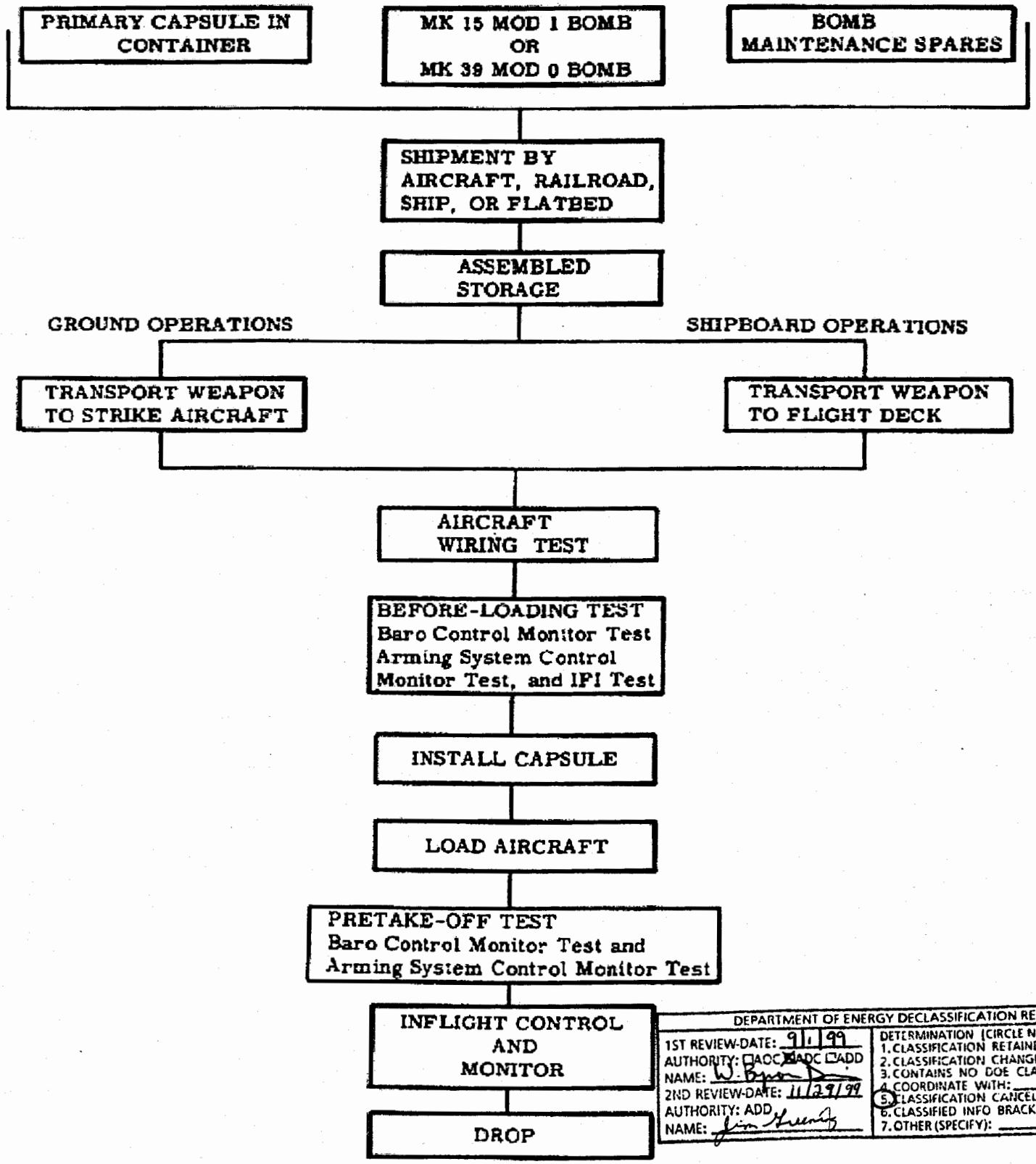

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 9/1/99
AUTHORITY: ☐AOC ☒ADC ☐ADD
NAME: W. Byron D
2ND REVIEW-DATE: 11/29/99
AUTHORITY: ADD
NAME: Jim 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):

2- Prints Actual Size RUSH! SEC.
1- File Copy Stockpile to Target Sequence B-15 or B-39

[redacted]
This [redacted] defined in the Atom[redacted]954. Unauthorized discl[redacted] to Adm[redacted] and Criminal S[redacted]ns.

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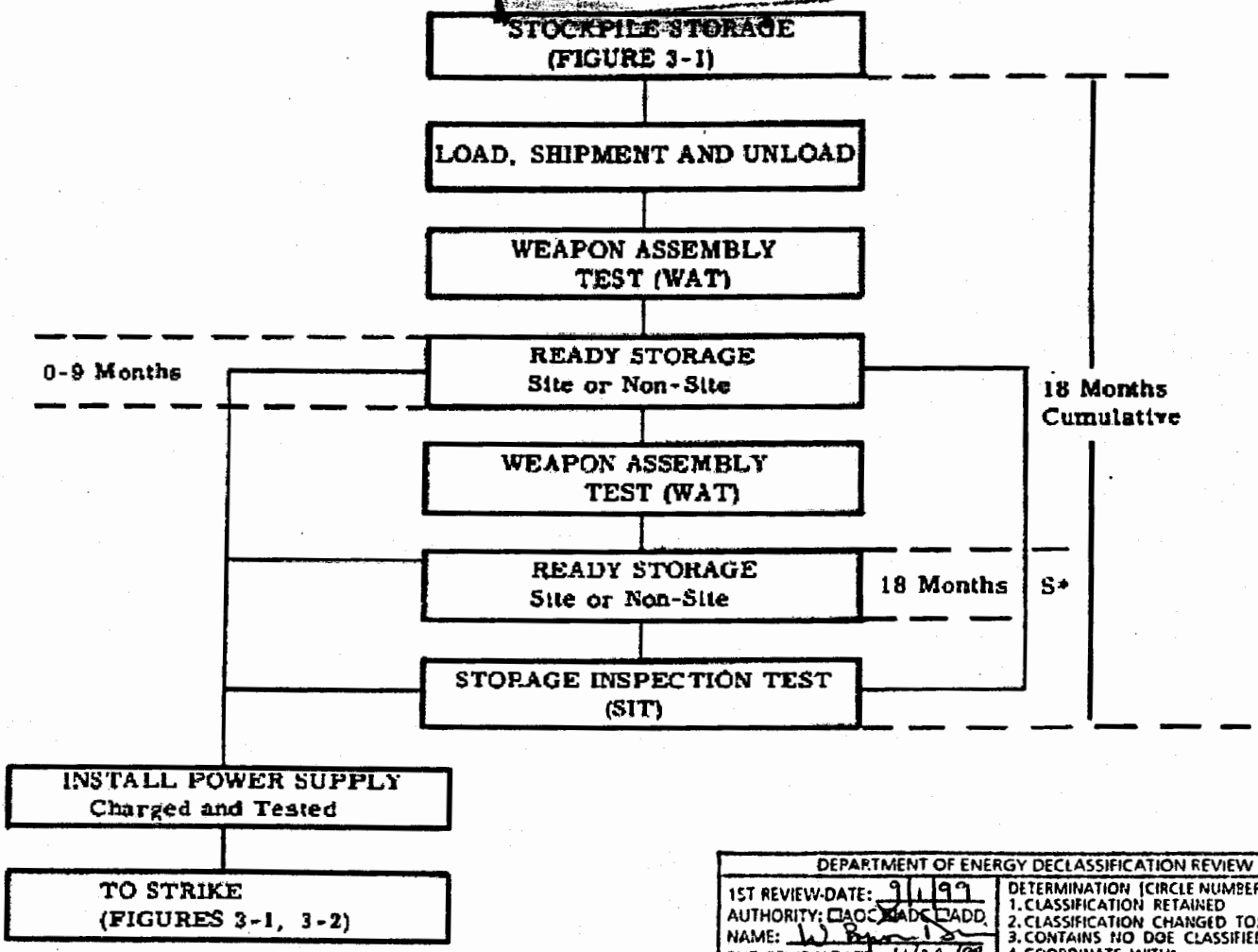

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99 AUTHORITY: ☐AOC ☒ADC ☐ADD NAME: W. Byron Dr 2ND REVIEW-DATE: 11/29/99 AUTHORITY: ADD NAME: Jim Greenwood	DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: ____ 3. CONTAINS NO DOE CLASSIFIED INFO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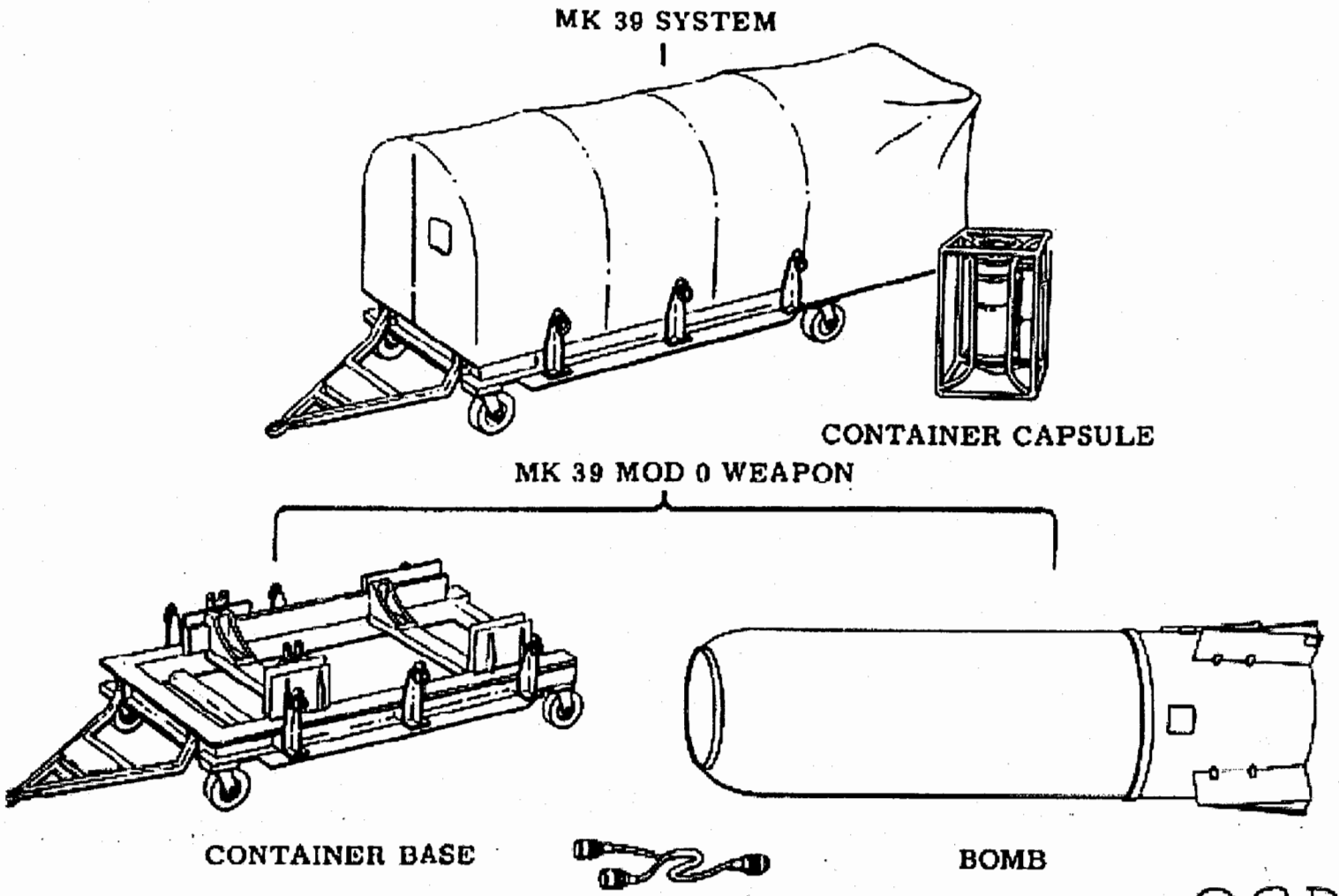

B-15 Weapon Configuration

2- Prints Actual Size

1- File Copy

SRD

RUSH! Knox

~~This Document [illegible] Restricted Data [illegible] in the Atomic Energy Act [illegible] unauthorized disclosure [illegible] administrative and [illegible] Sanctions.~~

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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. Byrd	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):

(172)

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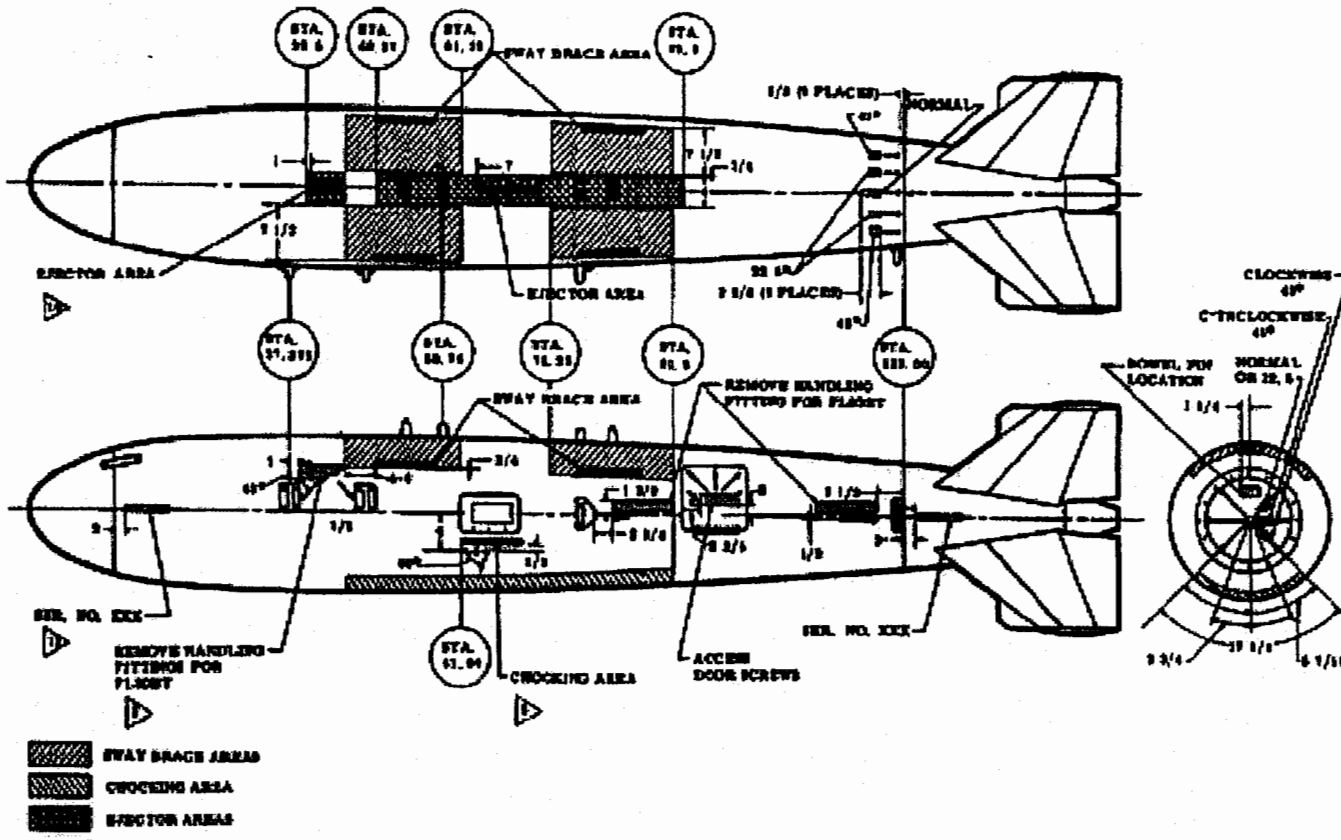

NOTES

1. ALL PAINTED AREAS: LACQUER-ENAMEL, LUSTERLESS, ONE COAT, PER JAN-L-11, GRADE III, COLOR, YELLOW, #1504, PER TT-C-595
2. MARKINGS TO BE STENCILLED WITH 1/2 INCH LETTERS UNLESS OTHERWISE NOTED USING LACQUER-ENAMEL, LUSTERLESS, PER JAN-L-11, GRADE III, COLOR, BLACK, #1115, PER TT-C-595.
3. CASE AFT OF PLASTIC CAP TO BE PAINTED WITH TWO CROSS COATS OF LACQUER, GLOSS, CLEAR, PER MIL-L-7178 (2) CONTAINING 10 OZ. ALUMINUM PASTE PER TT-A-490 a(1), TYPE II, CLASS B, PER GALLON.
4. HANDLING FITTINGS TO BE LACQUER-ENAMEL, LUSTERLESS, ONE COAT, PER JAN-L-11, COLOR RED, #1110 PER TT-C-595.
5. CASE TO BE PAINTED BEFORE MOUNTING HANDLING FITTINGS.
6. ALL MARKINGS ON SIDE OF CASE MUST APPEAR ON LEFT AND RIGHT SIDE.
7. TOLERANCES ON ALL PAINTING DIMENSIONS 1 1/4.
8. POSITION "CHOCKING AREA" LETTERING ON FAR SIDE TO END AT SAME SPACE AT STA. 61.04.
9. 1/4 - 1/2 INCH LETTERING ON STA. 128 BULKHEAD MAY BE ON EITHER SIDE OF VERTICAL CENTERLINE.
10. "EJECTOR AREA" MAY BE ON ONE LINE.
11. SHOW "B" SERIAL NUMBER AS SHOWN 4 PLACES.
12. ALL DIMENSIONS ARE IN INCHES. ALL DIMENSIONS ARE APPROXIMATE.

173

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This Document contains Restrict[redacted] as defined [redacted] Atomic Energy [redacted] 1954. Unauthorized disclosure sub[redacted] Administra[redacted] Sanctions.

Fax point 21
on Shell file print

[redacted]

8-11 Case Hardening
Confidential
SY-11-1971

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 Greenig	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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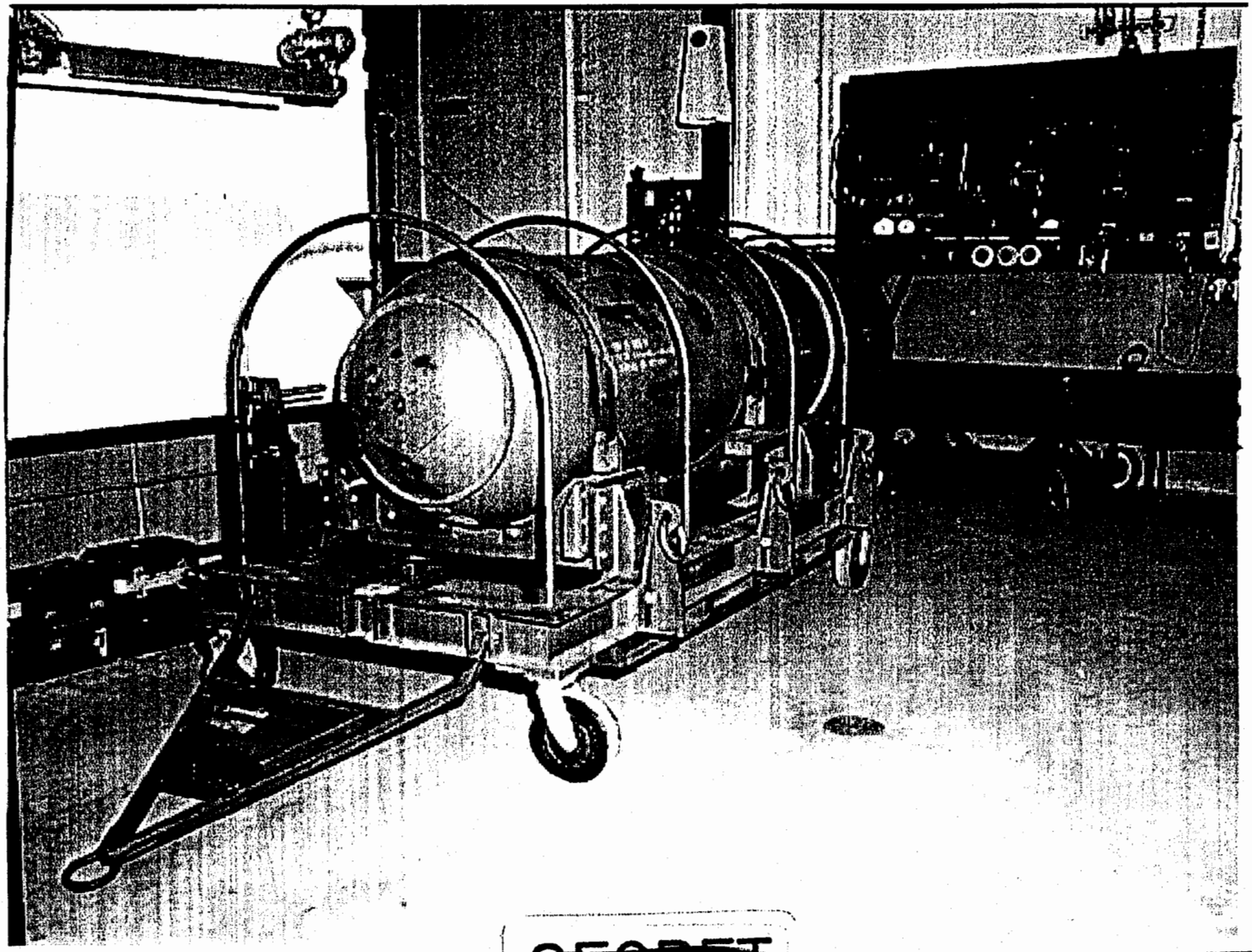

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~~RESTRICTED DATA~~

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

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 Dr	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):

174

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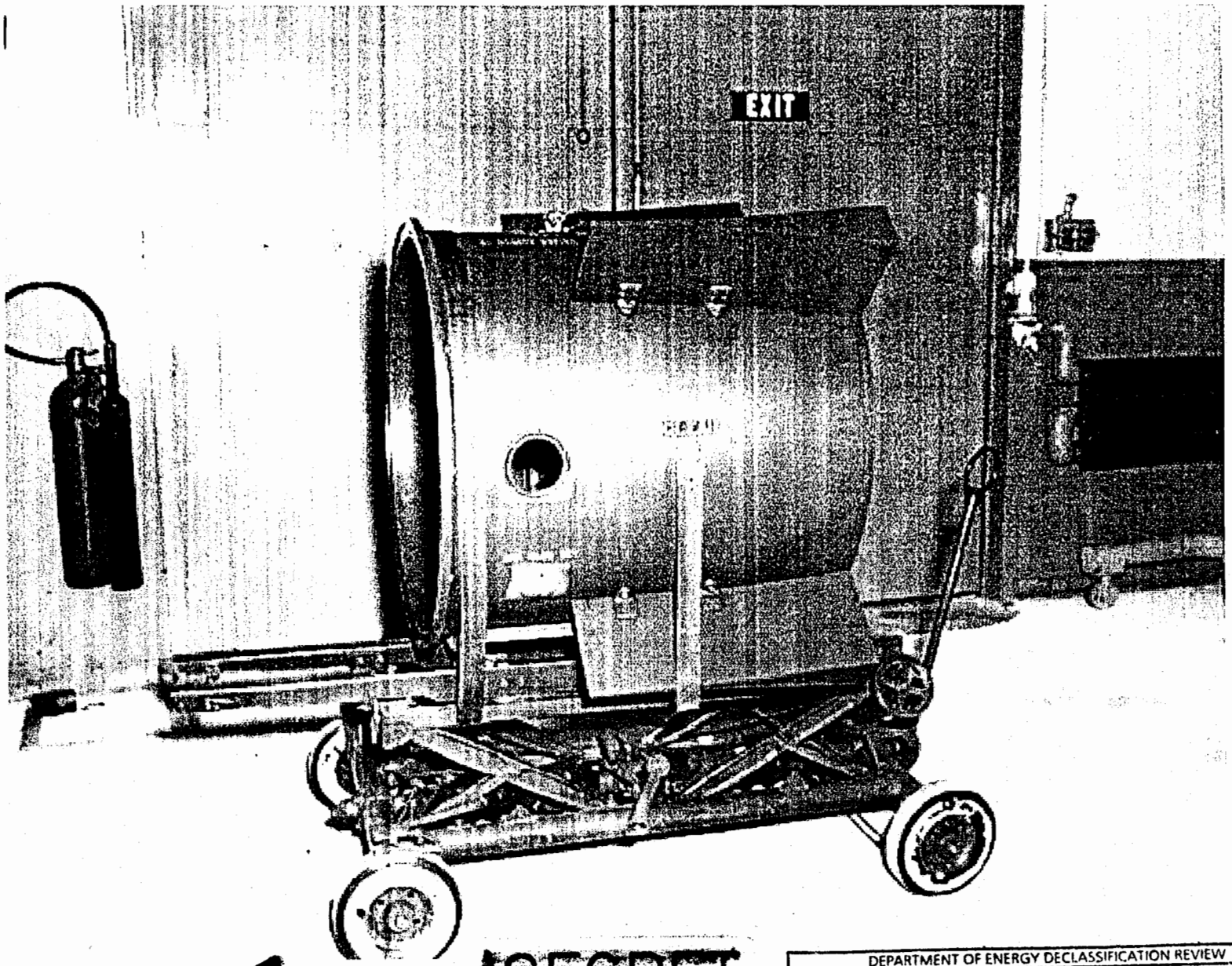

~~RESTRICTED DATA~~

~~[illegible] contains Restri[illegible] as defined in the Atom[illegible] 1954. Unauthorized disclosure su[illegible] to Ad[illegible] Sanc[illegible]~~

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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 Di[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):

175

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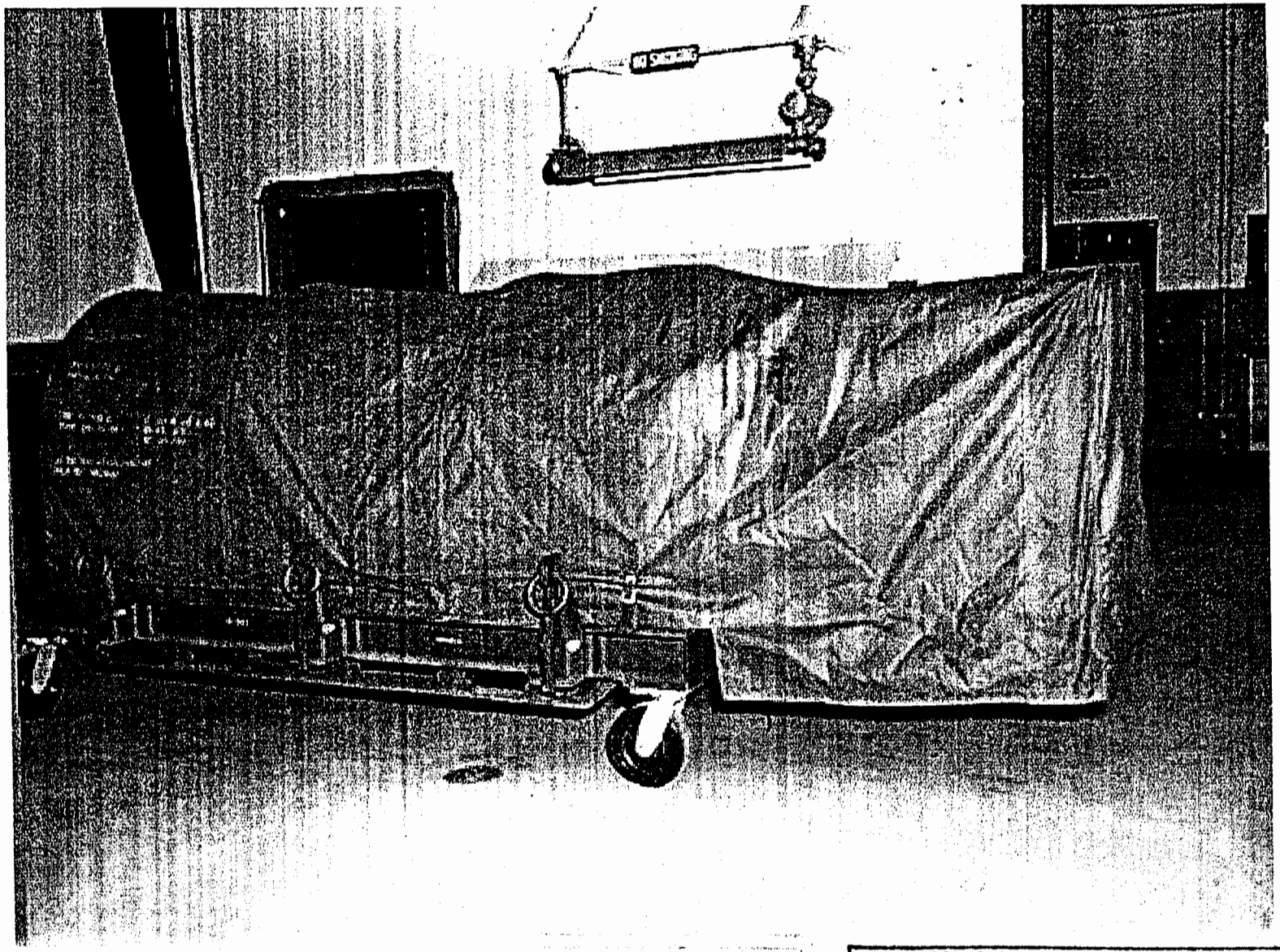

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[redacted]

This Document contains Restricted Data [redacted] in [redacted] authorized disclos[redacted] ject to Administrative [redacted] ons.

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):

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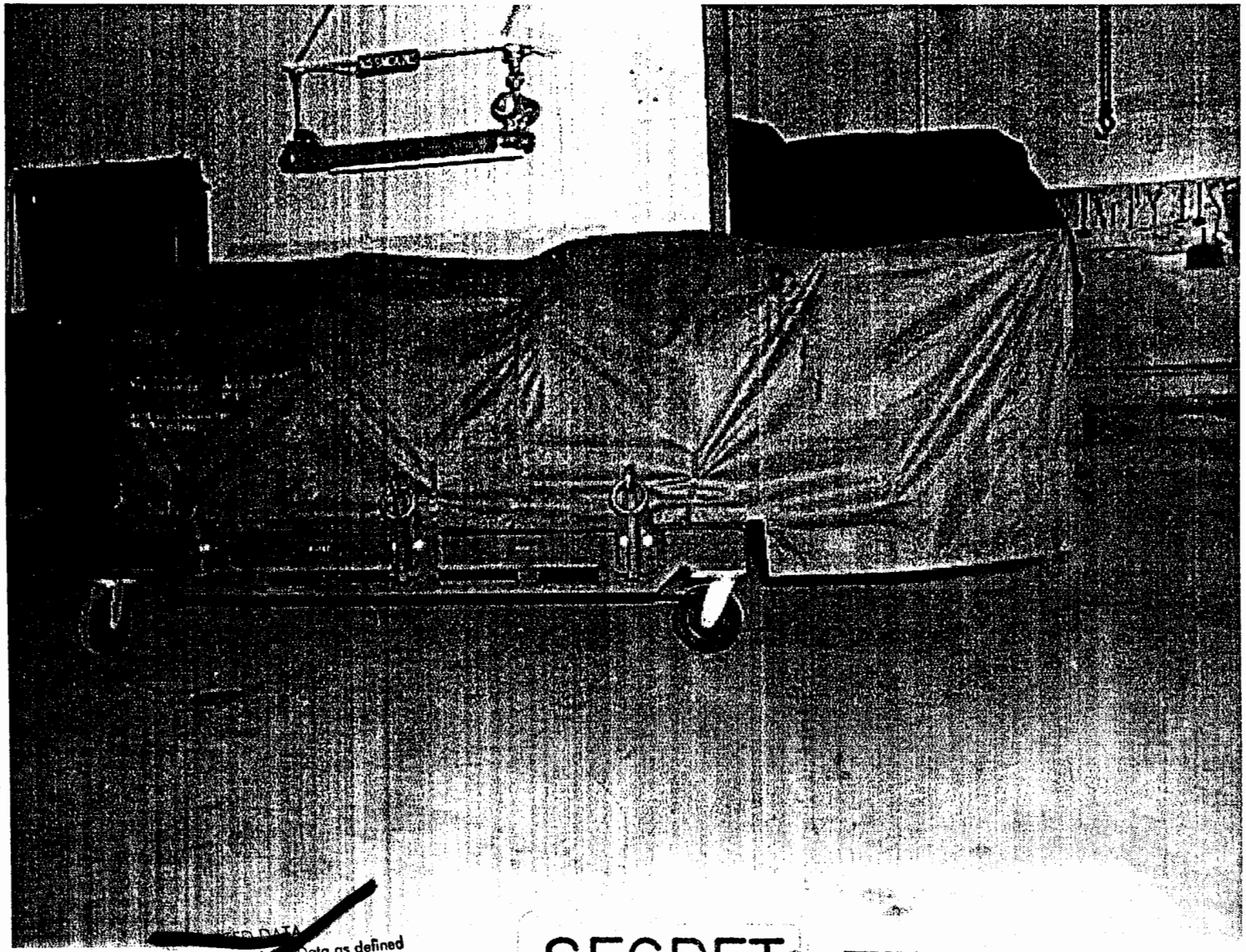

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[redacted] MK-15 MOD 0

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 Dr...	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 11/29/99	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Jim Greeney	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

177

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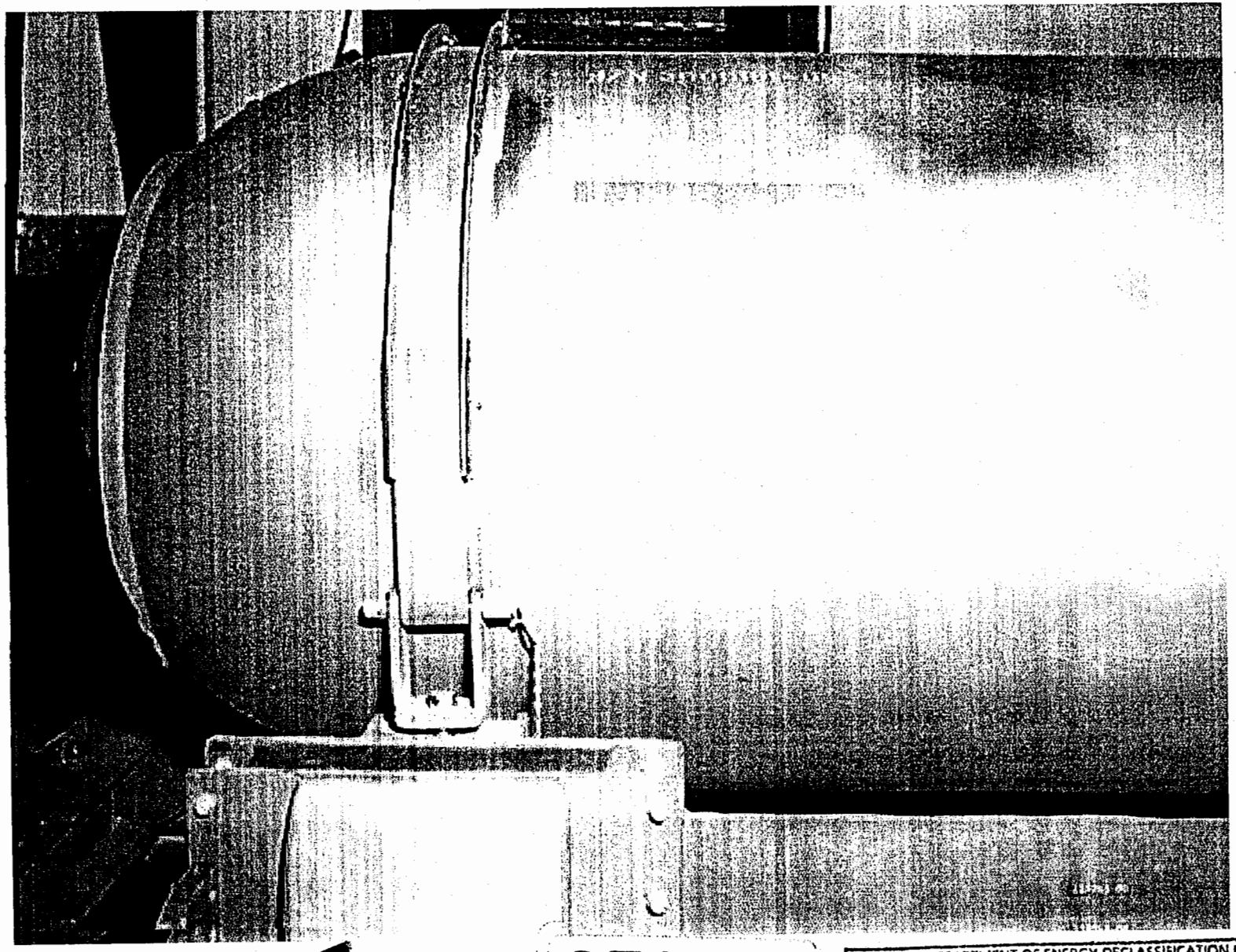

~~RESTRICTED DATA~~

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

~~SECRET~~

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

(178)

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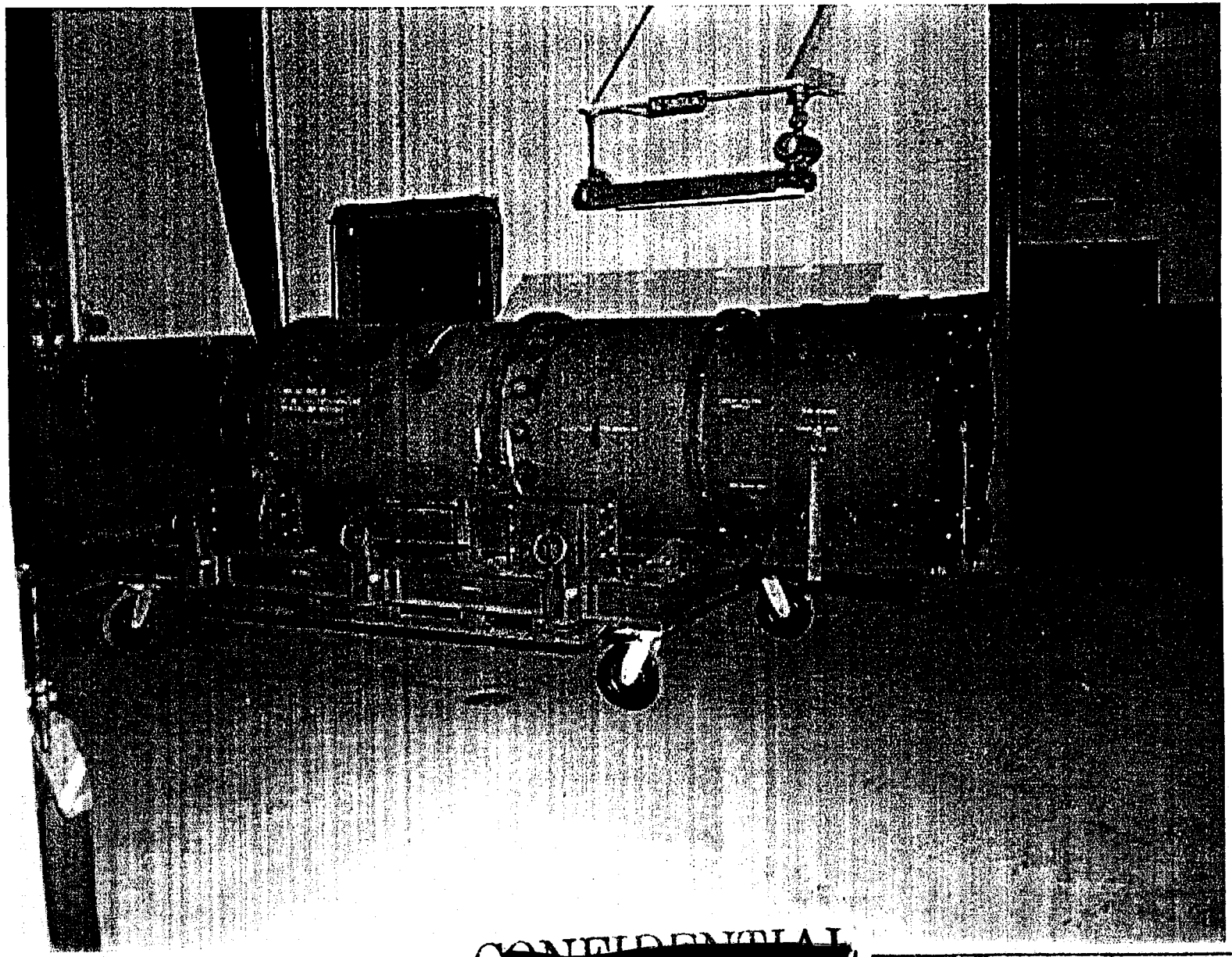
CONFIDENTIAL



CONFIDENTIAL

[redacted]

[redacted] Unauthorized disclosure subject to [redacted] as Restricted Data in Foreign [redacted] Section 144.b., Atomic [redacted] Act, 1954.

CFR [redacted] (2919) dtd 12/8

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

179

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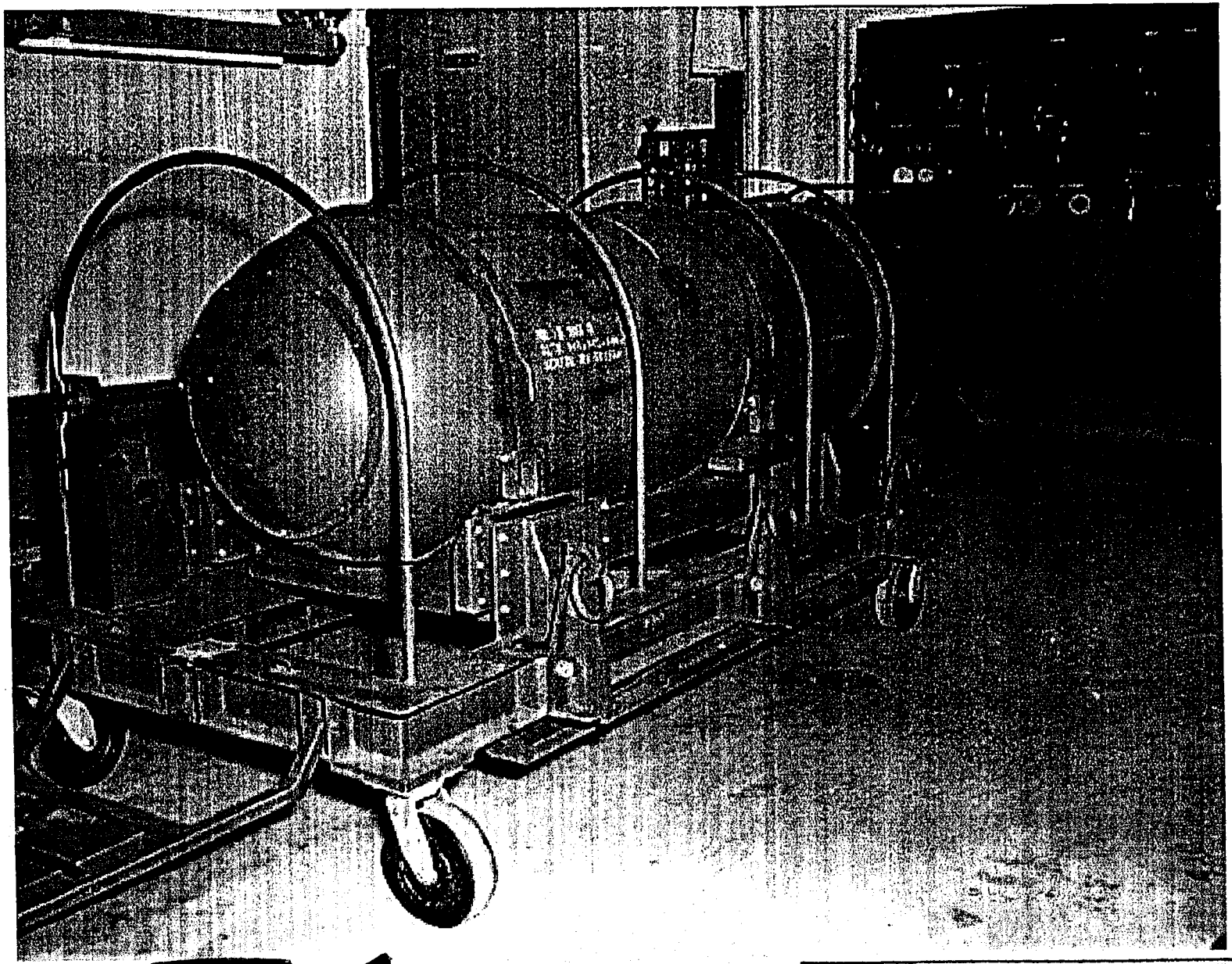

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~~This Document contains Restricted Data [redacted] defined in the [redacted] Act of [redacted]. Unauthorized disclosure subject [redacted]tive and Criminal Sanction[redacted]~~

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 9/1/99	DETERMINATION [CIRCLE NUMBER(S)]
AUTHORITY: ☐ADC ☒ADC ☐ADD	1. CLASSIFICATION RETAINED
NAME: W. Bryan Dr	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):

180

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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	

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

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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. 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):

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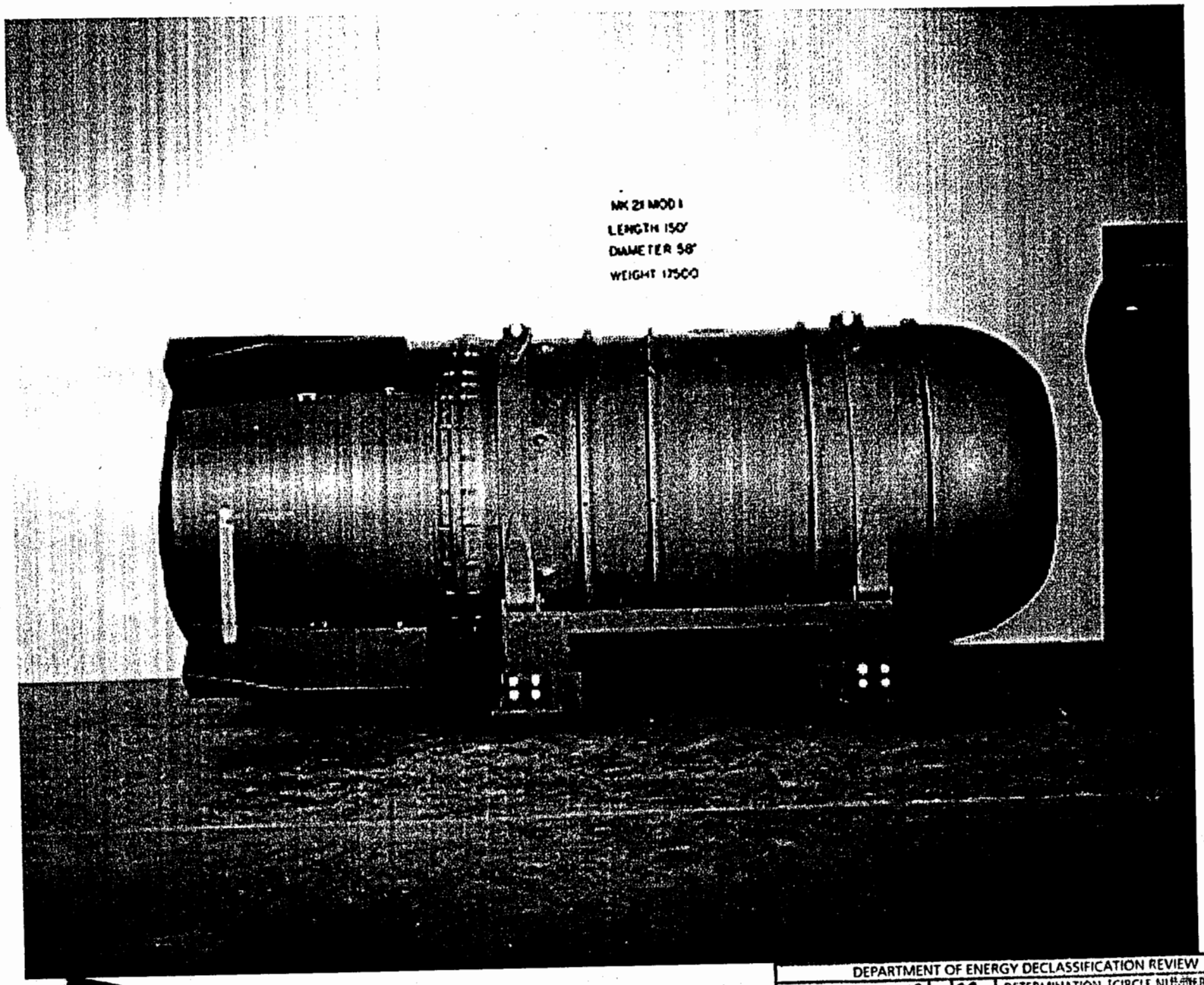

RESTRICTED DATA

This Document [redacted] in the Atomic E[redacted] thorized disclo[redacted] to Administrative and [redacted] sanctions.

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MK21 Mod 1

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 9/1/99
AUTHORITY: ☐ADC ☒ADC ☐ADD
NAME: W. Byron
2ND REVIEW-DATE: 11/29/99
AUTHORITY: ADD
NAME: Jim Greening

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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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.

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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.