

**Vol. II 3rd Edition
MANAGEMENT INFORMATION**

*MS-I
Romer*

GEORGE C. MARSHALL

**SPACE
FLIGHT
CENTER**

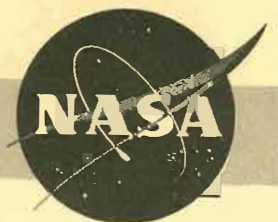
HUNTSVILLE, ALABAMA

*VIII, 4
VIII, 5*

SATURN HISTORY DOCUMENT
University of Alabama Research Institute
History of Science & Technology Group
Date: _____ Doc # _____

**MICHOUD AND
MISSISSIPPI TEST OPERATIONS
MAY 1965**

National Aeronautics and Space Administration



PREFACE

This document contains copies of management charts and photographs maintained in the Management Information Office of the Executive Staff on Michoud and Mississippi Test Operations. Information on other MSFC activities and facilities will be published in separate volumes as indicated on the following page.

Most of these charts are included in Dr. von Braun's, Dr. Rees' and Mr. Gorman's Management Information Consoles. The "Table of Contents" identifies the use of each.

Information for these charts has been furnished the Data Center by the Facilities Design Office and Other offices of MSFC. All Industrial Operations information is furnished through the Program Management Information Group of the IO Resources Management Office.

Charts and pictorial coverage are available in the form of 2 x 2 (35mm) color slides and black and white prints from the Data Bank Library of the Management Information Office, Room P-110 (10th floor), Building 4200. It is recommended that they be used to the maximum extent possible for briefing material in lieu of preparing special charts.

This document is republished every six months; however, the charts contained herein are updated as required. Therefore, personnel requesting charts will receive the most recent version.

Comments or suggestions you may have on any of the enclosed charts should be referred to Mr. Gordon D. Willhite, Phone 876-0029.

MANAGEMENT INFORMATION OFFICE
EXECUTIVE STAFF, E-D
MARSHALL SPACE FLIGHT CENTER

SCHEDULE FOR PUBLICATION OF MANAGEMENT INFORMATION

<u>Volume No.</u>	<u>Title</u>	<u>1st Edition</u>	<u>2nd Edition</u>	<u>3rd Edition</u>
I	Saturn I and IB	June 64	Oct. 64	April 65
II	Michoud and Mississippi Test Operations	June 64	Oct. 64	April 65
III	Huntsville Facilities	July 64	Nov. 64	May 65
IV	Research Projects, Future Projects, and Apollo Program	July 64	Nov. 64	May 65
V	Manpower, Financial, and Organization	July 64	Dec. 64	Mar. 65
VI	Saturn V	Aug. 64	Jan. 65	June 65
VII	Facilities - Various Locations and Other Centers	Aug. 64	Jan. 65	July 65
VIII	Engines	Sept. 64	Feb. 65	Aug. 65
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23	IND 1116	S-IB 105-Inch LOX Tank			
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33	IND A 8912 A	S-IC Meridian Weld of Bulkhead	X		
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50	IND B 8910 F	Engr/Admin Building	X	X	X
51	IND 8918 F	S-IC Stage Test Facility	X	X	X
52	IND B 8905 B	Vertical Assembly Building		X	X
53	IND B 8920 A	Hydrostatic Test Facility in VAB			
54	IND B 8907 B	High Pressure Test Facility			
55	E-D B 8927	Vehicle Components Supply Building			
56	IND B 8921 B	Vehicle Components Supply Building	X		
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71	IND 7826 O	MSFC - Mississippi Test Operations Gen'l Data	X		X
72	E-D B 528 N	Build-up of Personnel	X	X	X
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75	IND 7816 F	Site Plan	X	X	X
76	IND B 7800 Q	MSFC Facilities Major Projects Schedule	X	X	X
77	IND B 7808 F	Construction Dock and Harbor Area	X		
78	E-D 7875	RP-1 Dock (Concept)	X		
79	IND B 7822 F	RP-1 Dock (Status)	X		
80	IND B 7833 E	RP-1 Storage Site (Status)	X		
81	E-D 7813 A	Lock and Bascule Bridge (Concept)	X	X	X
82	IND B 7810 N	Lock and Bascule Bridge (Status)	X	X	X
83	IND B 7844 A	Bascule Bridge (Status)			
84	E-D 7815 B	Saturn V Static Test Facilities (Concept)	X	X	X
85	IND B 7831 C	Saturn V Static Test Facilities (Status)	X	X	X
86	E-D 7816 A	S-II Test Stand (Concept)	X	X	X
87	IND B 7301 P	S-II Test Stand A-2 (Status)	X	X	X
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90	E-D 7817 D	S-IC Test Stand (Concept)	X	X	X
91	IND B 7806 P	S-IC Test Complex (Status)	X	X	X
92	IND B 7835 E	S-IC Test Control Center	X	X	X
93	E-D 7866	Sound Suppressors (Concept)	X		
94	E-D 7844 B	Data Acquisition Facility (Concept)	X	X	X
95	IND B 7819 M	Data Acquisition Facility (Status)	X	X	X
96	IND B 7834 H	High Pressure Water Facility (Status)	X	X	X
97	E-D 7820 A	Laboratory & Engineering Complex (Concept)	X	X	X
98	IND B 7829 E	Laboratory & Engineering Complex (Status)	X	X	X
99	E-D 7863 A	Electronics Instrumentation & Materials Lab (Concept)			
100	IND B 7830 H	Electronics Instrumentation & Mat'ls Lab (Status)	X		
101	E-D 7822 A	Laboratory & Engineering Building (Concept)			
102	IND B 7805 P	Laboratory & Engineering Building (Status)	X	X	X
103	E-D 7824 A	Data Handling Center (Concept)	X	X	X
104	IND B 7824 J	Data Handling Center (Status)	X	X	X
105	E-D 7821 C	Test Area Control Center (Concept)	X	X	X
106	IND B 7825 J	Central Control Building (Status)	X	X	X
107	IND 7807 L	Telephone Building (Status)	X	X	X
108	E-D 7823 A	Acoustics Laboratory (Concept)	X	X	X
109	IND 7842 A	Acoustics Laboratory (Status)	X	X	X
110	E-D 7826 A	Industrial Complex (Concept)	X	X	X
111	IND B 7828 F	Industrial Complex (Status)	X	X	X

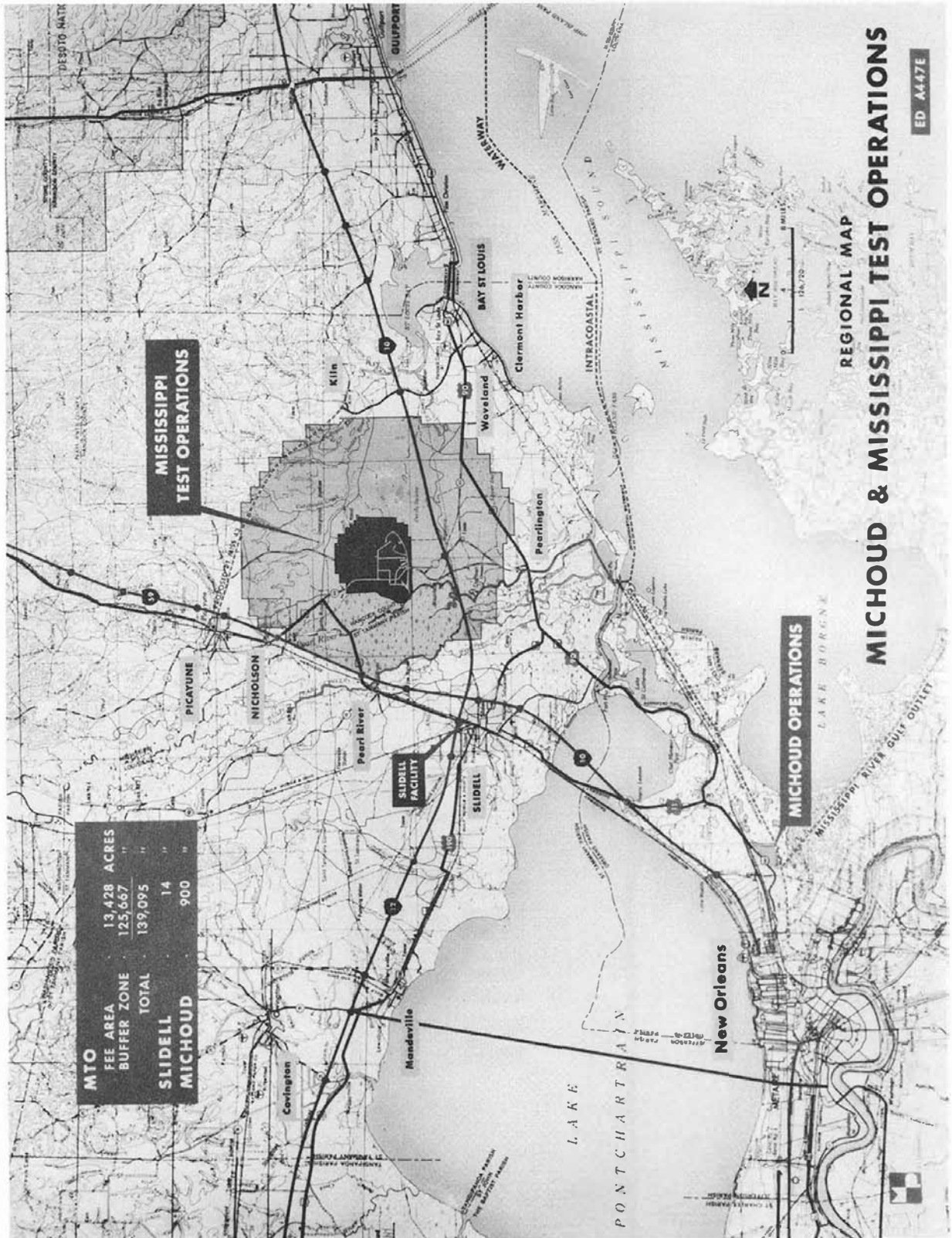
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		<u>MISSISSIPPI TEST FACILITIES (cont.)</u>			
112	IND B 7811 L	Emergency Services Building (Status)	X	X	X
113	IND B 7802 N	Site Maintenance Building (Status)	X	X	X
114	IND B 7803 N	Warehouse Buildings (Status)	X	X	X
115	IND B 7832 D	Test Maintenance Shop Site (Status)	X		
116	E-D 7874	Mobile Equipment Operations Building (Concept)	X		
117	IND B 7837 B	Mobile Equipment Operations Building (Status)	X		
118	E-D 7873	Warehouse Addition (Concept)	X		
119	E-D 7876	Inflammable Material & Storage Bldg. (Concept)	X	X	X
120	IND B 7836 C	Inflammable Material Storage Bldg. (Status)	X	X	X
121	E-D 7812 B	Cryogenic Barge Service Building (Concept)	X		
122	E-D B 7880	Artist Concept - Cryogenics Dock	X	X	X
123	IND B 7809 M	Cryogenic Dock (Status)	X	X	X
124	IND B 7843	Cryogenic Barges			
125	E-D 7841 C	S-II Stage Checkout & Storage Bldg. (Concept)	X	X	X
126	IND B 7820 M	S-IC Booster Storage Building (Status)	X	X	X
127	IND B 7817 M	High Pressure Gas Facility (Status)	X	X	X
128	E-D 7862 A	Meteorology Building (Concept)		X	X
129	IND 7840 A	Meteorology Building (Status)			
130	E-D 7842 C	Components Service Facility (Concept)	X	X	X
131	IND B 7841 B	Components Service Facility (Status)			
132	E-D 7848 C	Security Control - South (Concept)			
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135	IND B 7814 J	Central Heating Plant (Status)	X	X	X
136	E-D 7865 A	Interstate Highway Bridges, Pearl River (Concept)	X		
137	E-D 7847 B	Railway Terminal Building (Concept)	X		
138	IND B 7827 A	"J" Road and Railroad Construction (Status)			
139	IND B 7821 F	Railroad Classification Yard	X	X	X
140	IND 7804 F	110 KV Sub-Station			
141	E-D B 7877 A	Approved FY-65 Facilities		X	X
142	E-D B 7881	Fiscal Year '66 Facilities Program			

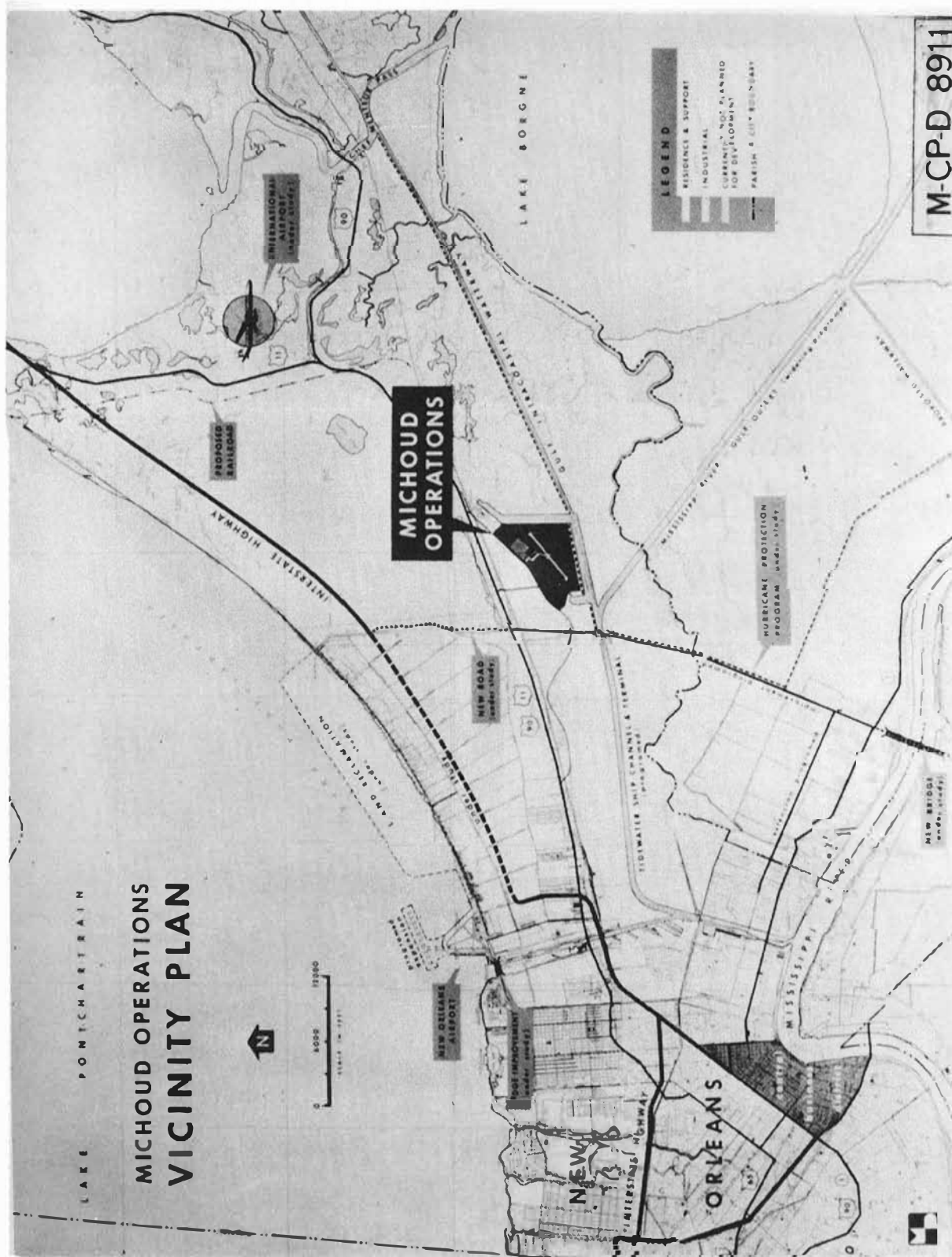
**GENERAL
MICHOUO AND MISSISSIPPI
TEST OPERATIONS**



**MICHIGAN OPERATIONS
GENERAL**

MICHOUD OPERATIONS, NEW ORLEANS, LOUISIANA

The MSFC mission at the NASA Michoud Plant at New Orleans, Louisiana is the manufacture of the S-I and S-IB stages for the Saturn I and IB vehicles and the S-IC stage for the Saturn V vehicle. The Michoud plant complex covers an area of 890 acres including approximately 210,000 square feet of engineering and office space, 1,959,000 square feet of manufacturing space and 415,000 square feet of space for storage, handling and maintenance activities. The Michoud plant and facilities are owned by NASA. Two major contractors occupy portions of the plant - the Chrysler Corporation is responsible for production of the S-I and S-IB and the Boeing Company is manufacturing the S-IC stage. All support services for operation of the plant and facilities are furnished by the Mason-Rust Company under contract. Construction of facilities at Michoud is accomplished directly by MSFC. MSFC will expend approximately \$55,400,000 for construction of facilities at Michoud, using C of F and R & D funds budgeted through FY 1965.



M-CP-D 8911

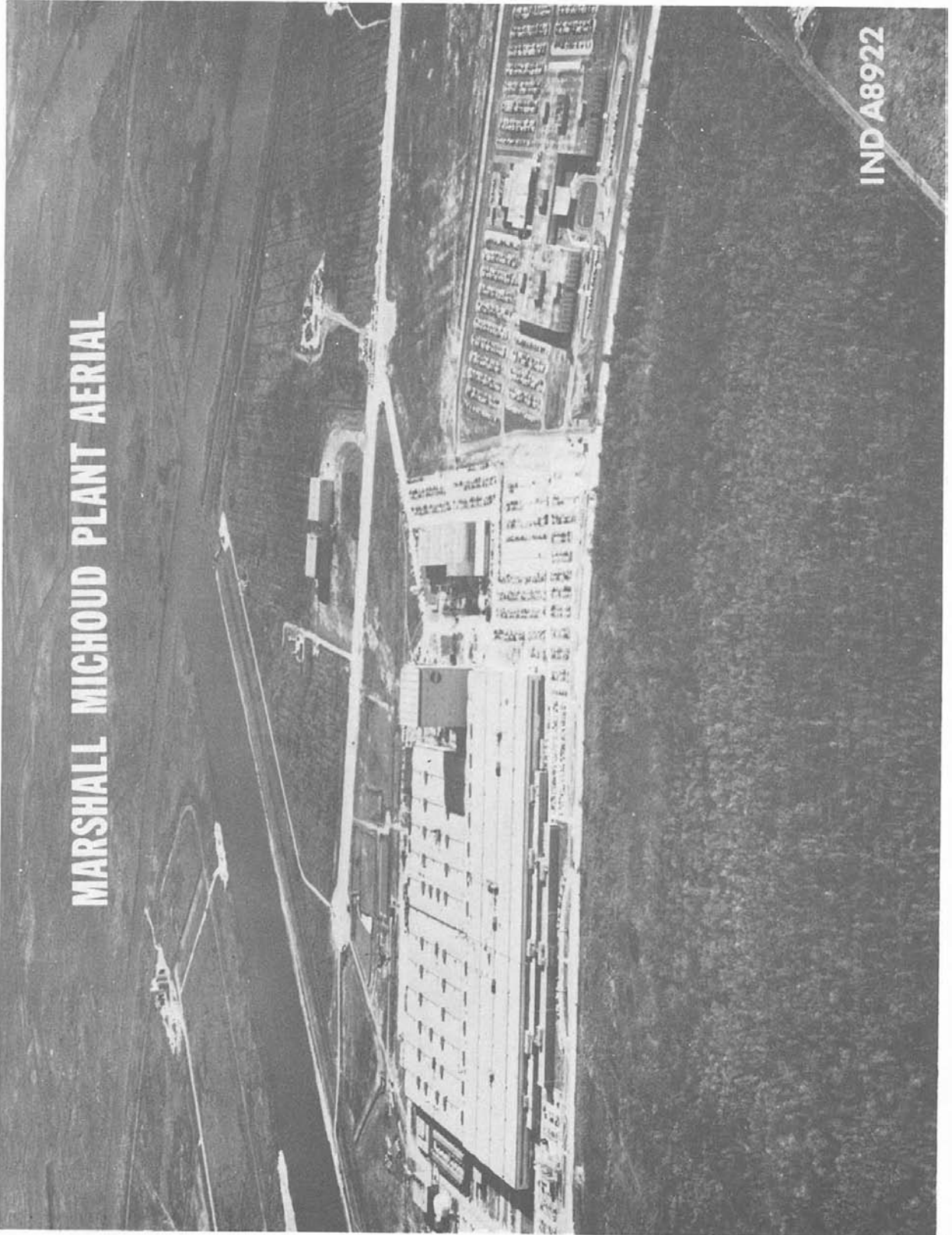
LAKE PONTCHARTRAIN
**MICHOU D OPERATIONS
 VICINITY PLAN**

LEGEND
 RESIDENCE & SUPPORT
 INDUSTRIAL
 CAPACITY NOT PLANNED FOR DEVELOPMENT
 PARISH & CITY BOUNDARY



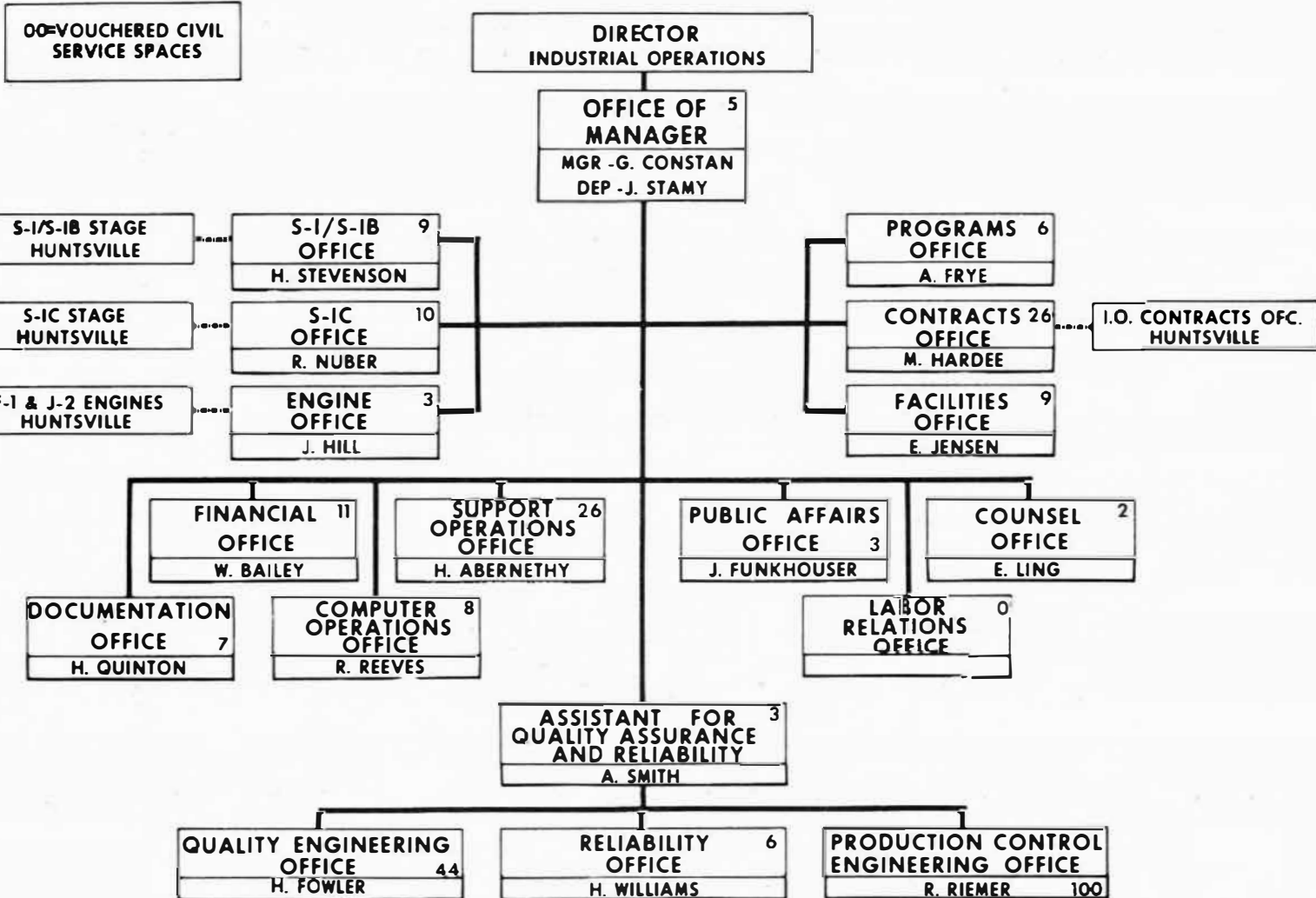
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 FEET
 SCALE 1" = 1000'

MARSHALL MICHOUD PLANT AERIAL



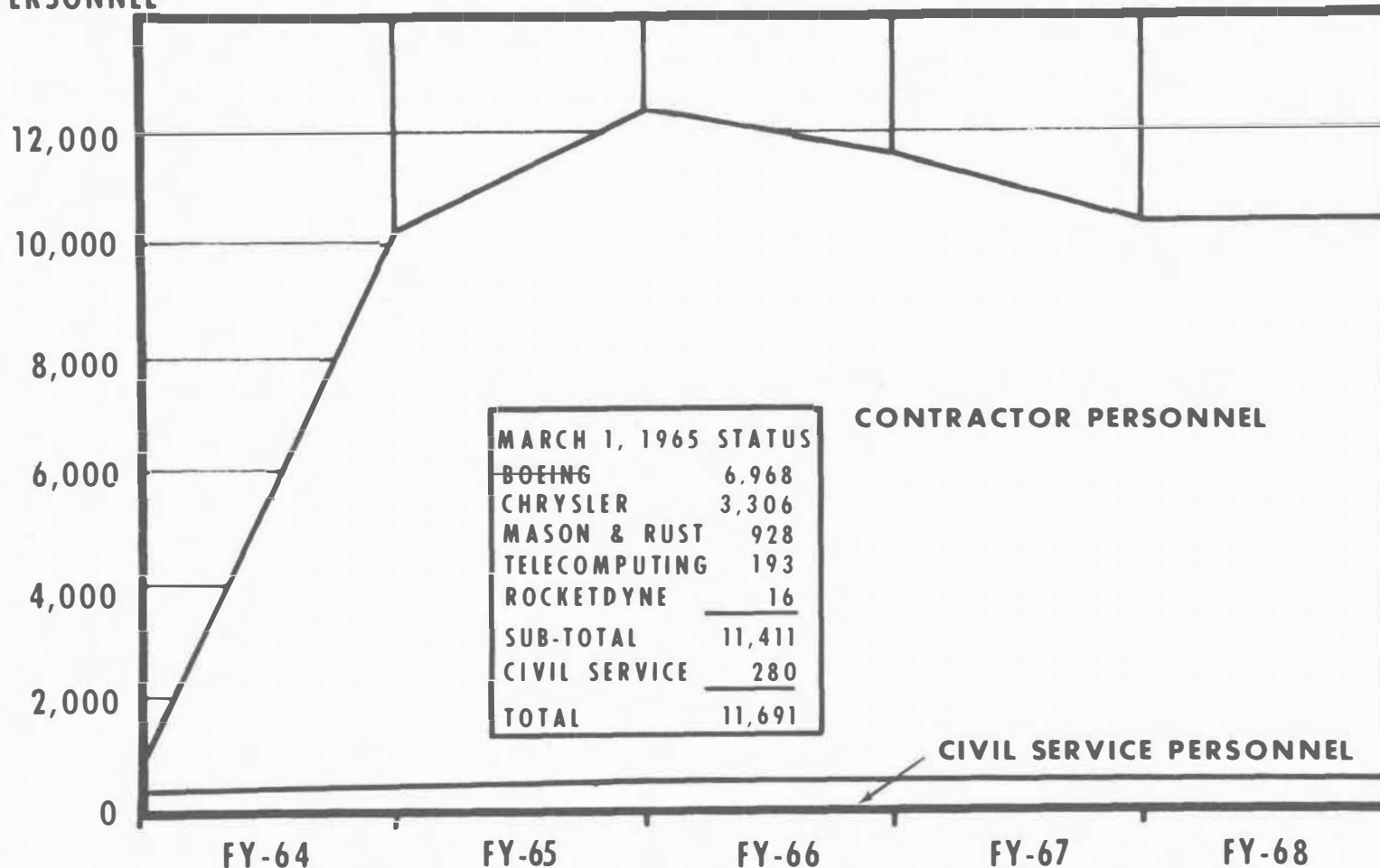
IND A8922

GEORGE C. MARSHALL SPACE FLIGHT CENTER
INDUSTRIAL OPERATIONS
MICHOUD OPERATIONS



MICHOUD PERSONNEL TREND

NO. PERSONNEL



NOTES:

- 1. EXCLUDES CONSTRUCTION PERSONNEL
- 2. CONSIDERS EXISTING PROJECTS ONLY

MSFC/MICHOUD OPERATIONS

SATURN LAUNCH VEHICLE PRODUCTION SCHEDULES

DELIVERY DATE TO KSC

	FY-65				FY-66				FY-67				FY-68				FY-69																				
	CY-65				CY-66				CY-67				CY-68				CY-69																				
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
SATURN I, S-I			8 ⬆				10 ⬆																														
SATURN IB, S-IB							1 ⬆			2 ⬆					3 ⬆							4 ⬆						5 ⬆									
SATURN V, S-IC											F ⬆																	3 ⬆									

6

MSFC - MICHOU D OPERATIONS GENERAL DATA

10

FACILITIES	
BUILDINGS OR AREAS	SQUARE FEET
ADMINISTRATION BUILDING	90,010
ENGINEERING BUILDING	119,807
ENGINEERING & OFFICE BUILDING	571,070
MANUFACTURING BUILDINGS	1,958,762
TRANSPORTATION BUILDING	12,850
MAINTENANCE SUPPLY BUILDING	34,661
MISCELLANEOUS	126,419
TOTAL	3,282,777

STAGE ASSEMBLY STATUS	
STAGE	STATUS
S-IB-1	STATIC FIRING TESTS
S-IB-2	COMPLETING PRE-STATIC CHECKOUT
S-IB-3	FINAL ASSEMBLY
S-IB-4	CLUSTERING
S-IB-5	SPIDER BEAM & TAIL UNIT ASSEMBLY FABRICATION
S-IC-D	MAJOR ASSEMBLIES BEING COMPLETED
S-IC-F	TANKS, THRUST STRUCTURE, AFT SKIRT, ETC. BEING ASSEMBLED
S-IC-503	SUB-ASSEMBLY OPERATIONS JUST STARTED.

PERSONNEL	
CIVIL SERVICE	281
BOEING	7,007
CHRYSLER	3,311
MASON-RUST	924

SLIDELL COMPUTER FACILITY	
FACILITIES *	
COMPUTER BUILDING	59,497 sq. ft.
MAINTENANCE AREA	2,902 sq. ft.
LAND	14 acres
PERSONNEL	
CIVIL SERVICE	5
TELECOMPUTING SERVICE INC.	198
CONTRACT VALUE*	
TELECOMPUTING SERVICES INC.	\$4,328,000

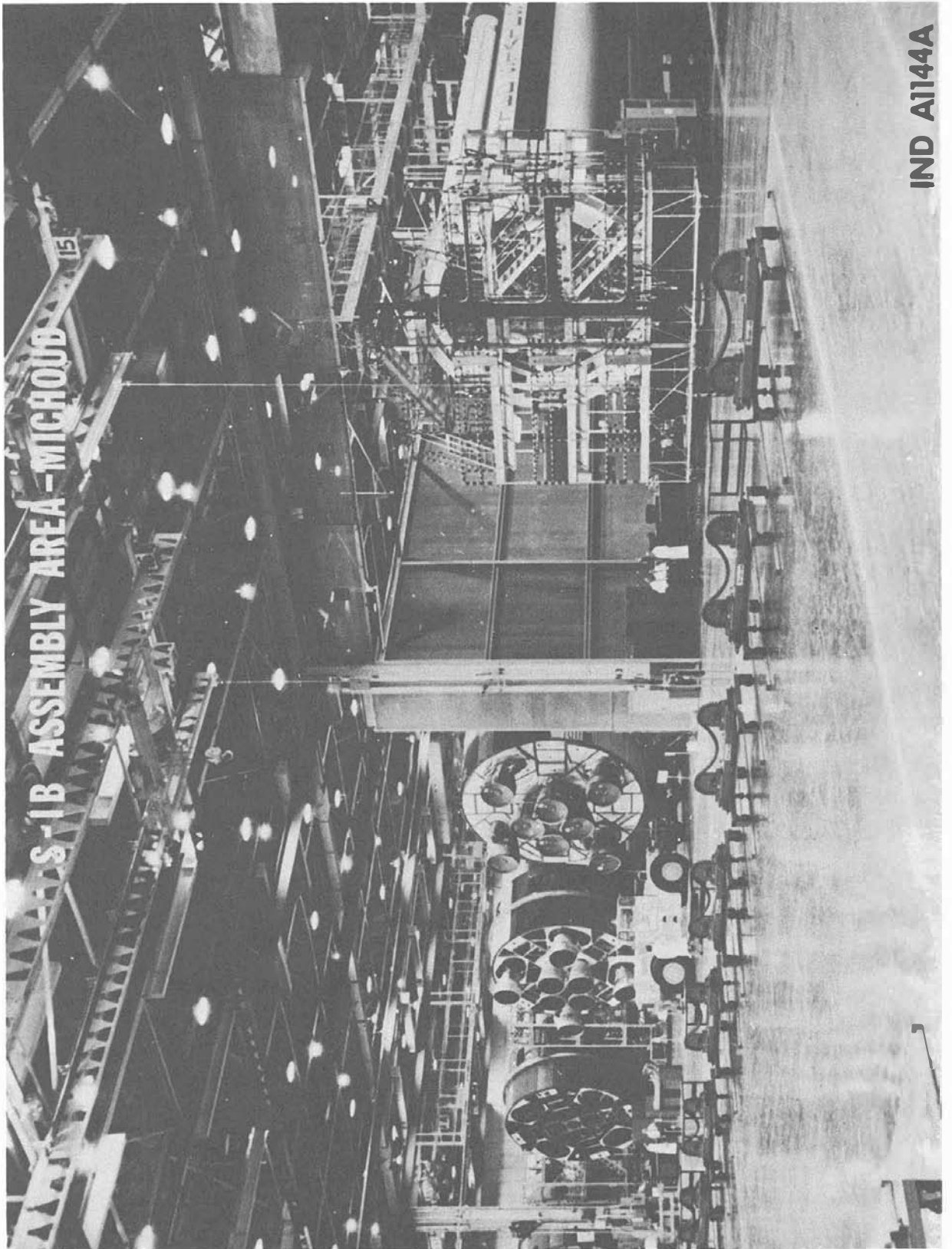
CONTRACT VALUE	
BOEING	\$702,300,000
CHRYSLER	343,345,000
MASON-RUST	38,311,000

* ADDITIONAL 40,000+ Sq. Ft. BEING CONSTRUCTED. SCHEDULED COMPLETION DATE MAR 1966

MICHOUD OPERATIONS

S-IB PRODUCTION

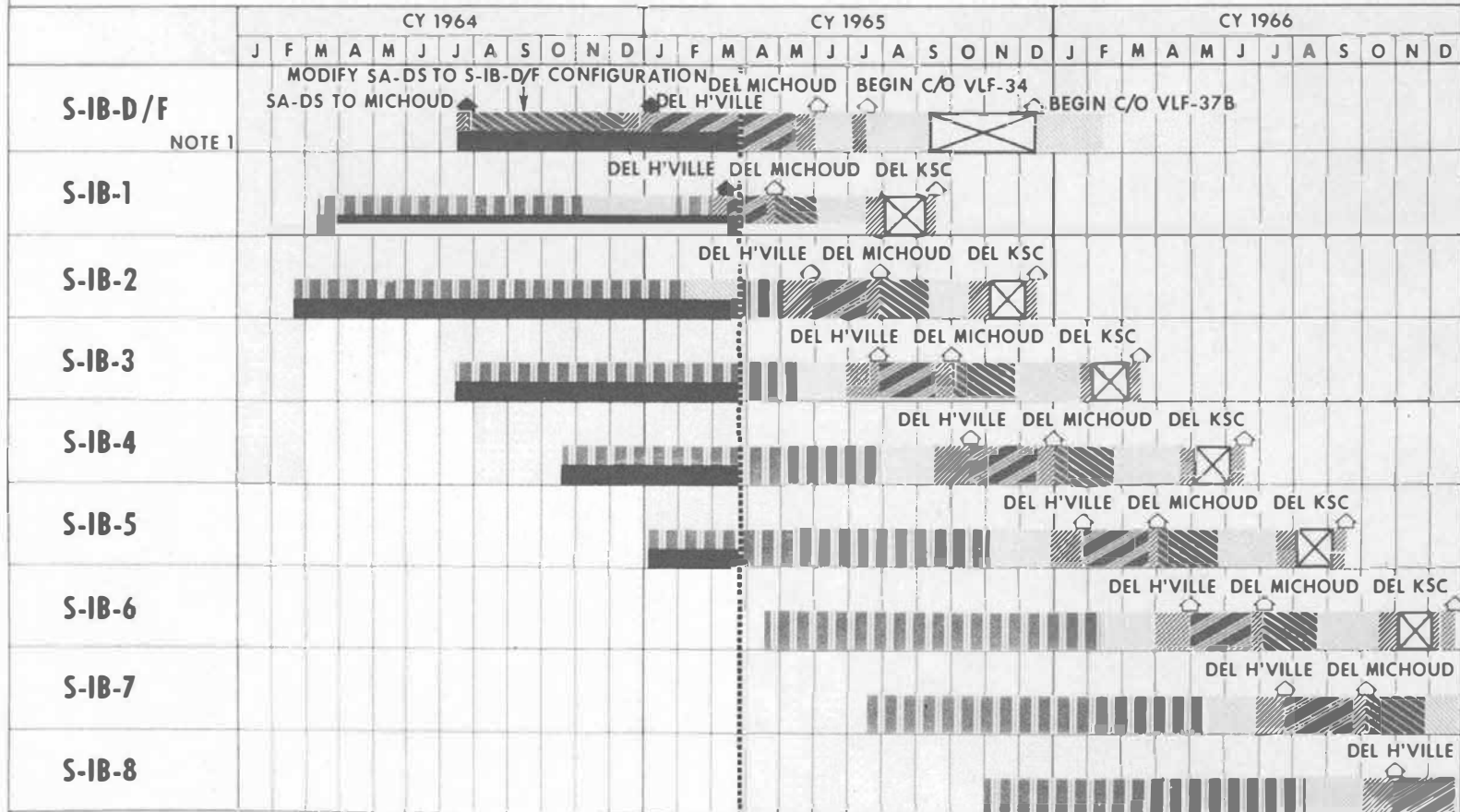
CHRYSLER



S-1B ASSEMBLY AREA - MICHoud 15

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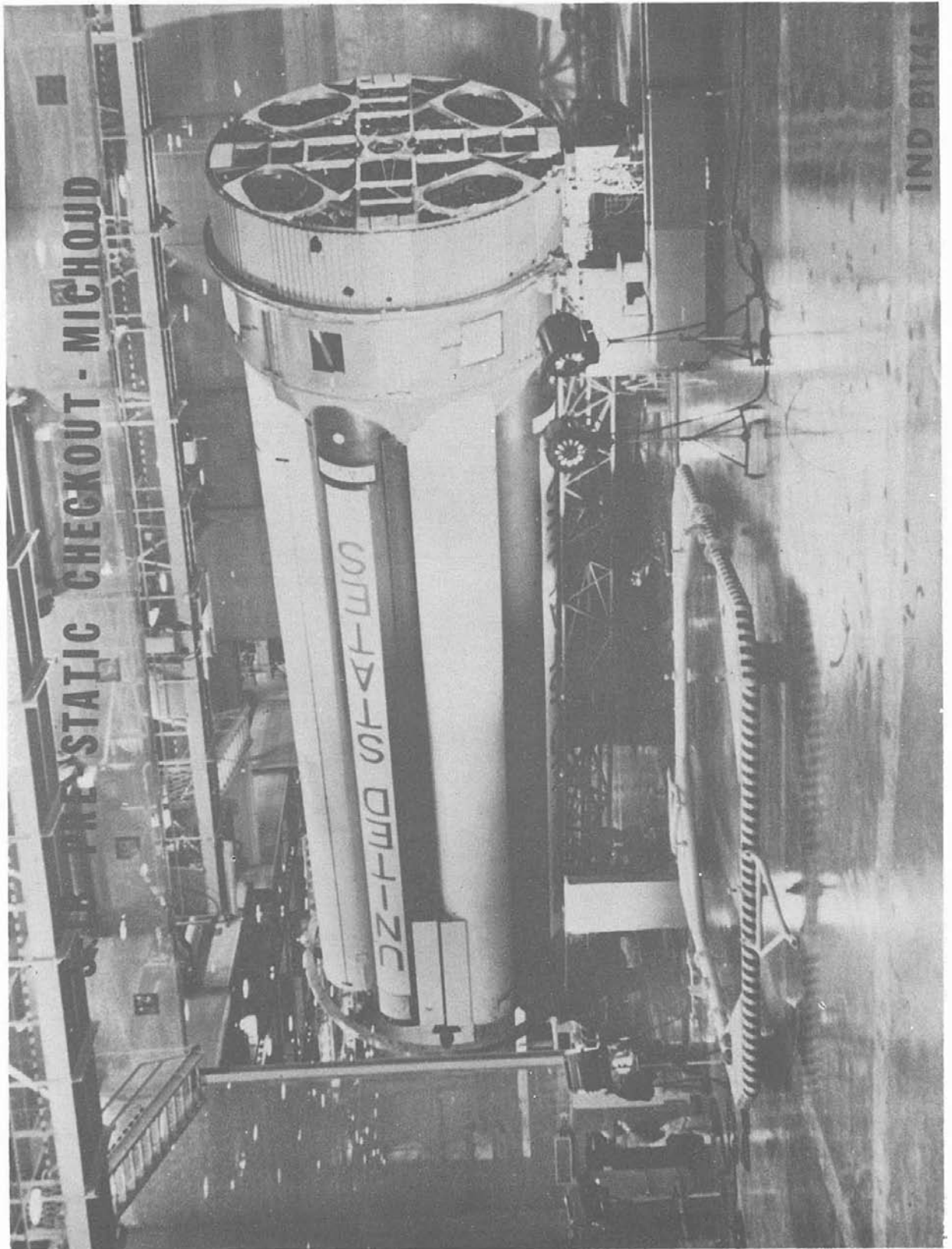
SATURN IB/S-IB STAGE SUMMARY SCHEDULE

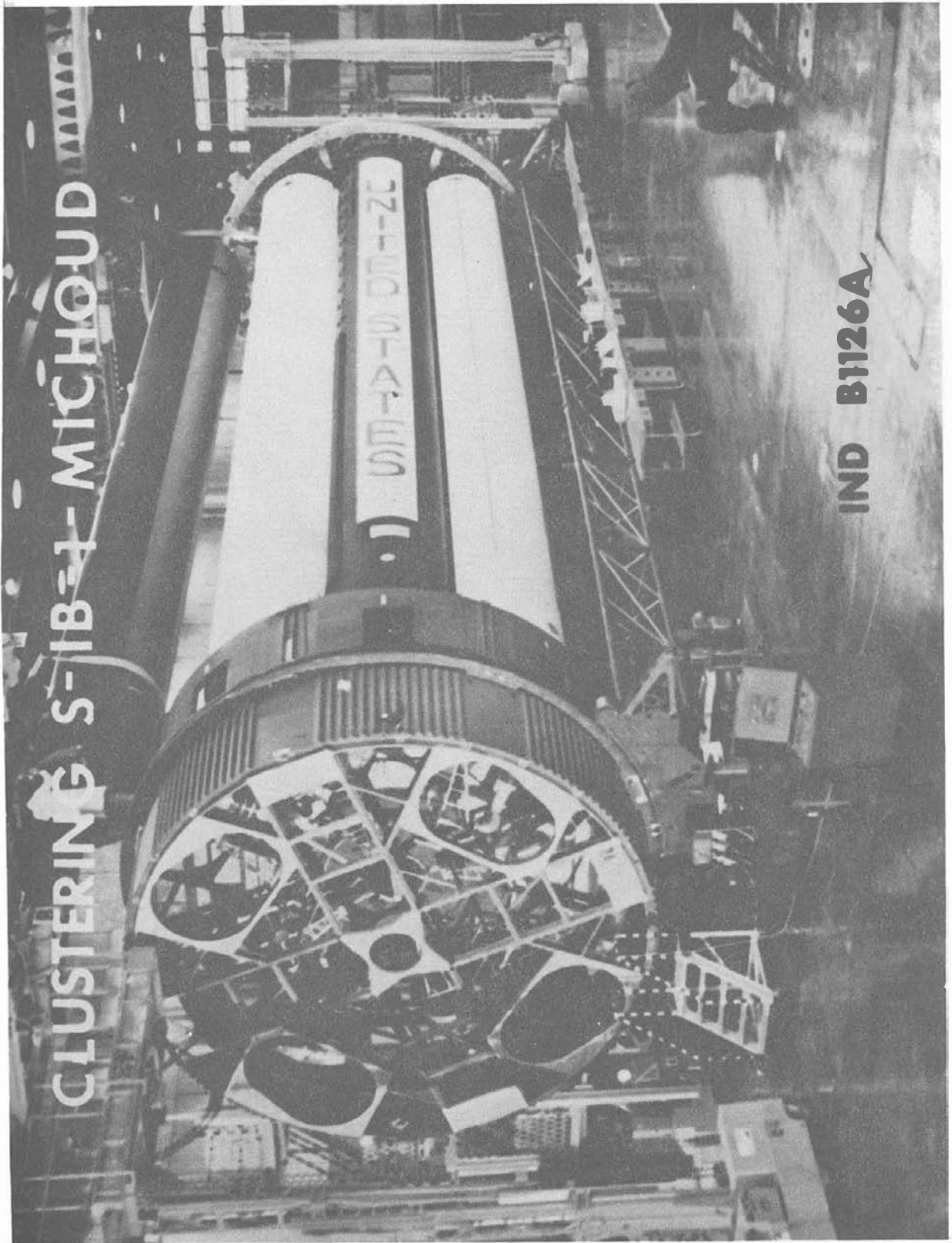


NOTES

1. DELAY OF CHECKOUT OF VLF-37B ANTICIPATED DUE TO DELAY OF SA-10 LAUNCH .

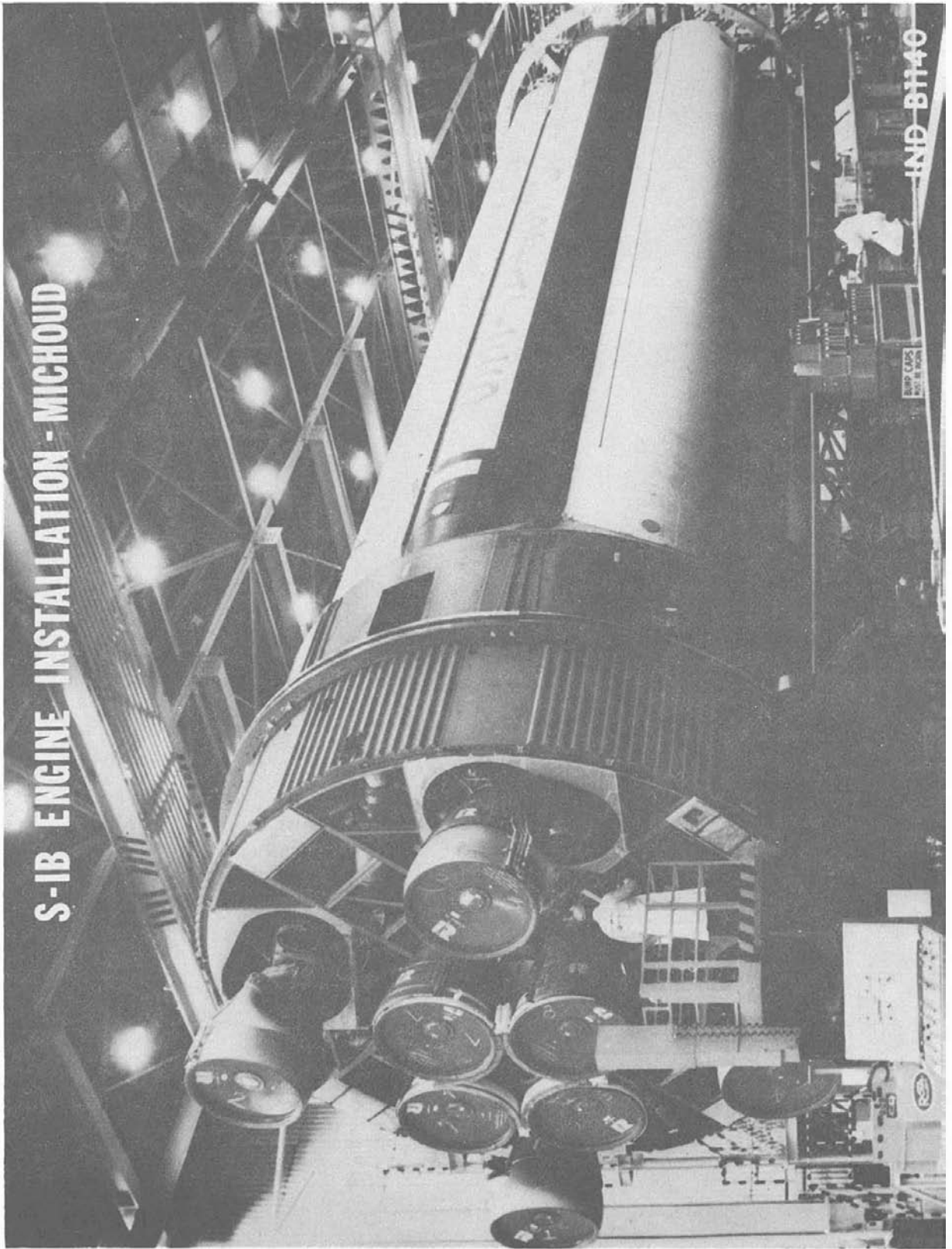
FAB & ASSEMBLY	STORAGE
CHECKOUT	PROGRESS
PREP/TEST	CURRENT SCHEDULE
MOD/REPAIR	EVENT
PREP/SHIP	ACCOMPLISHED





CLUSTERING S-1B-1- MICHOU

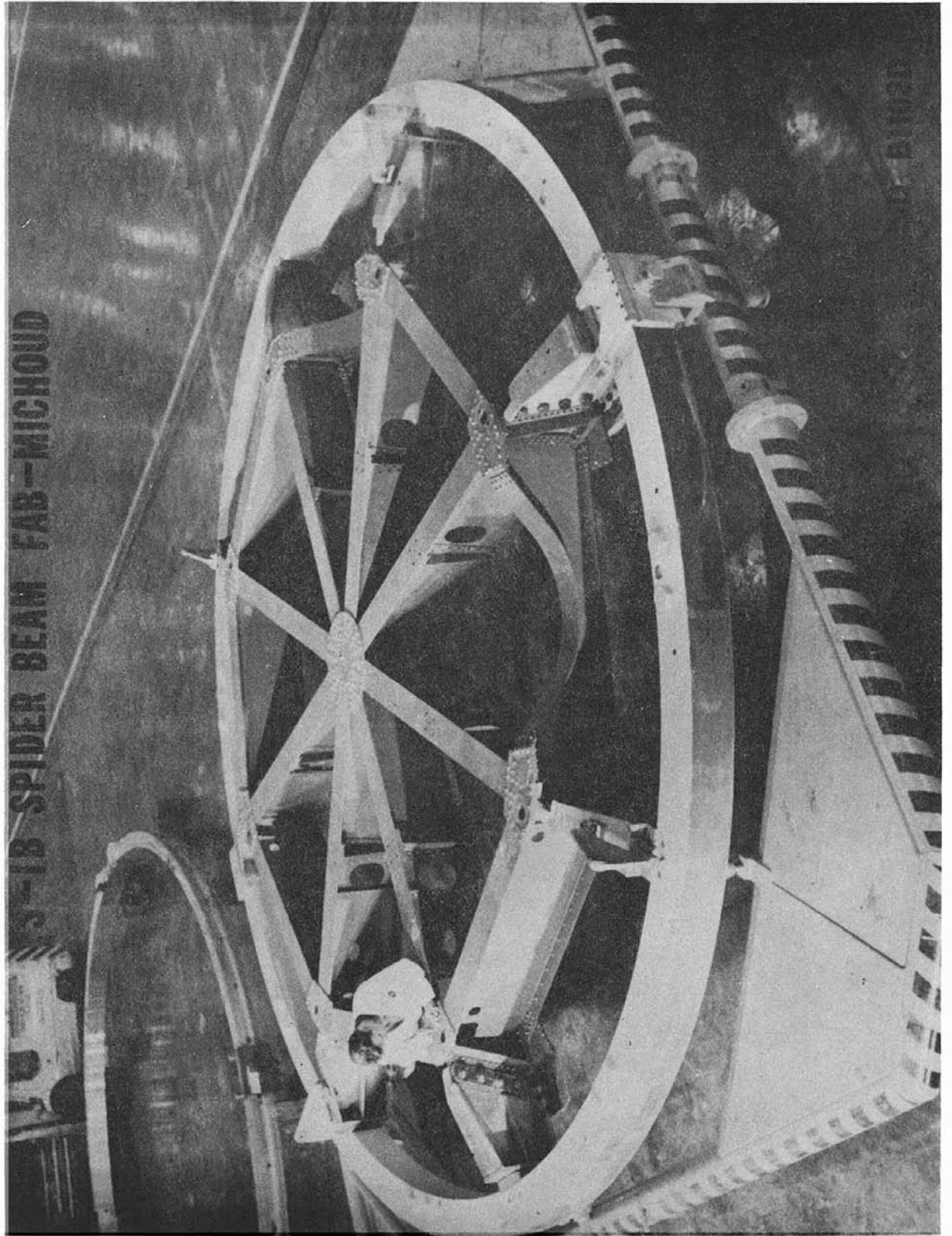
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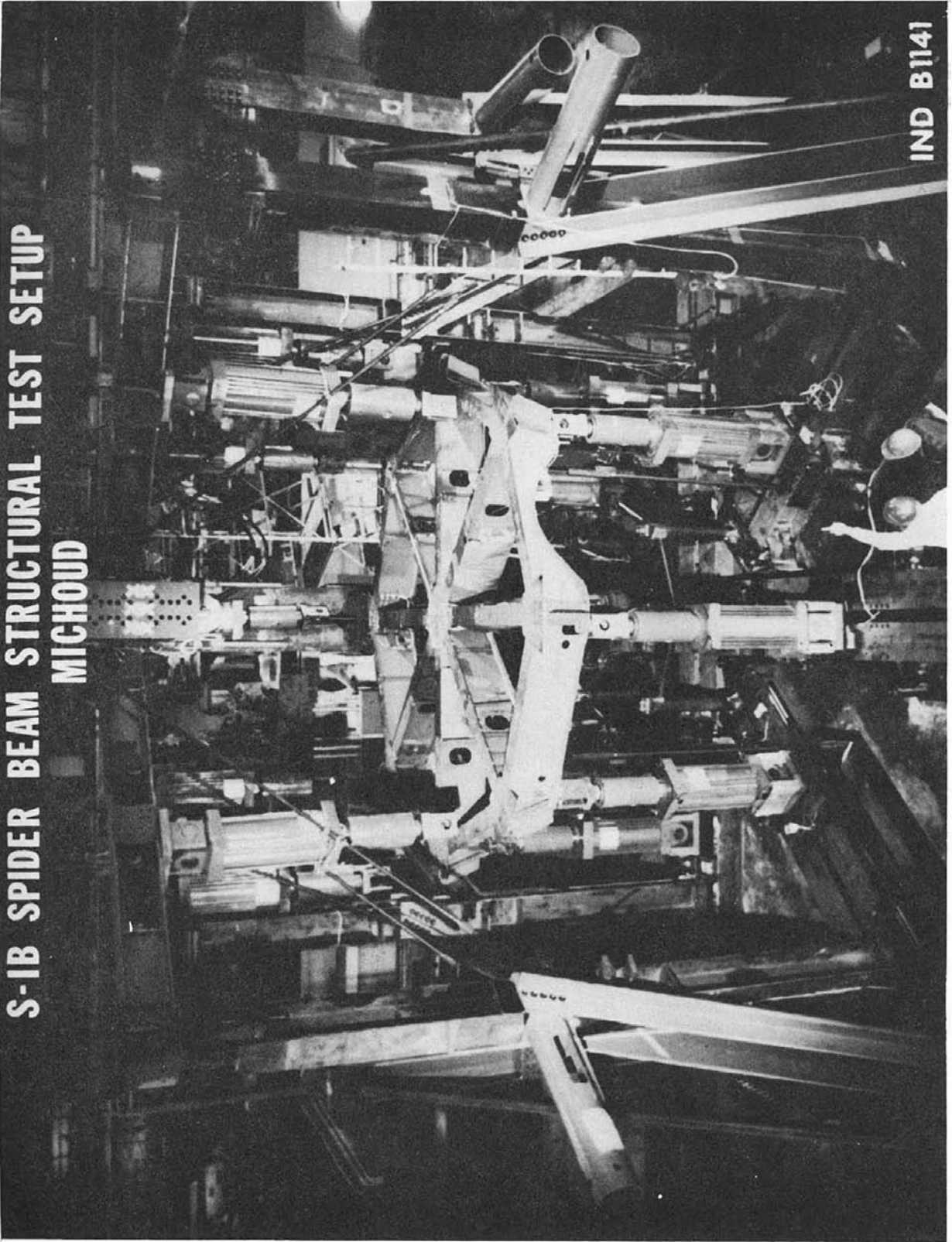
S-IB ENGINE INSTALLATION - MICHOUD

S-1B FAB & ASSY AREA - MICHOU



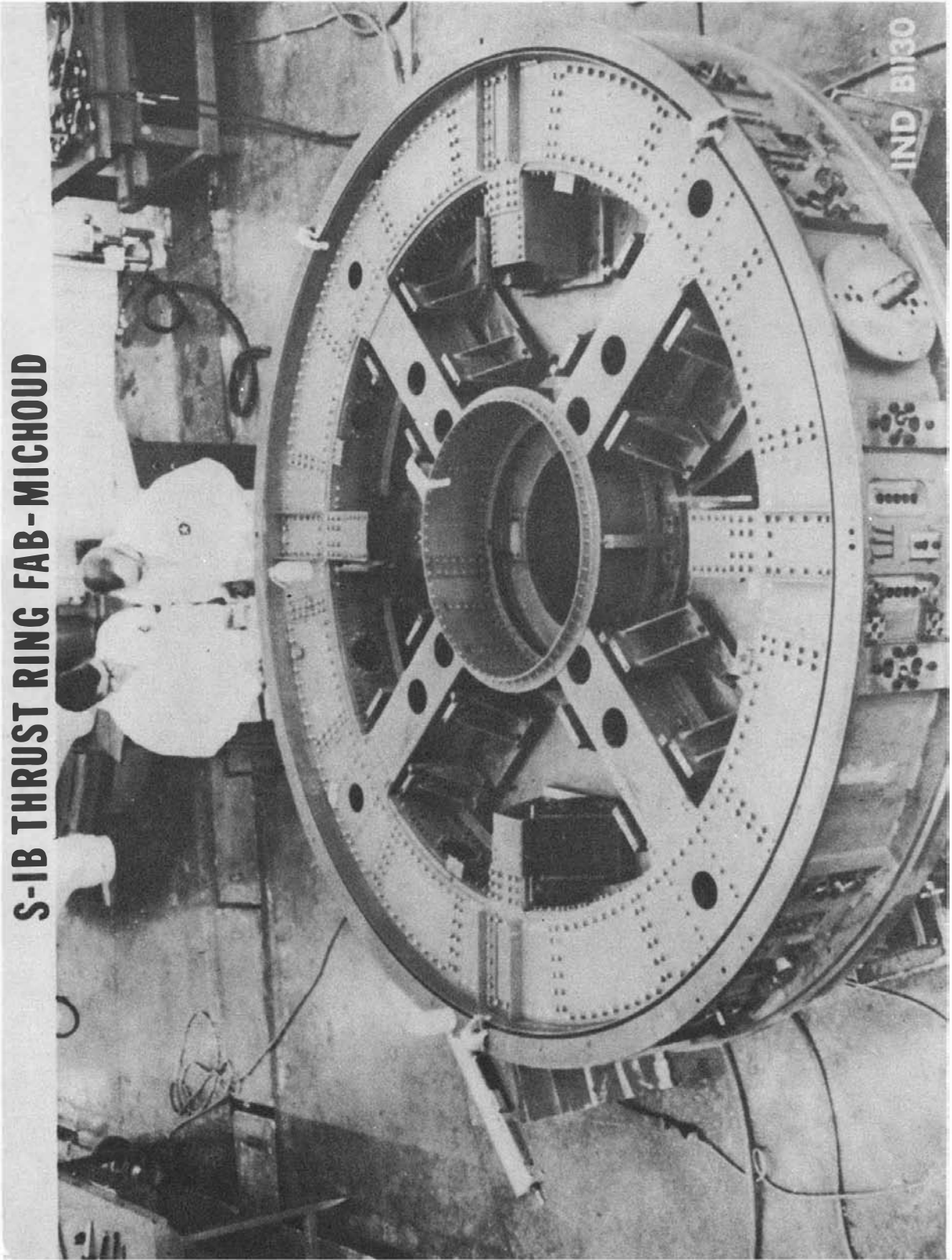


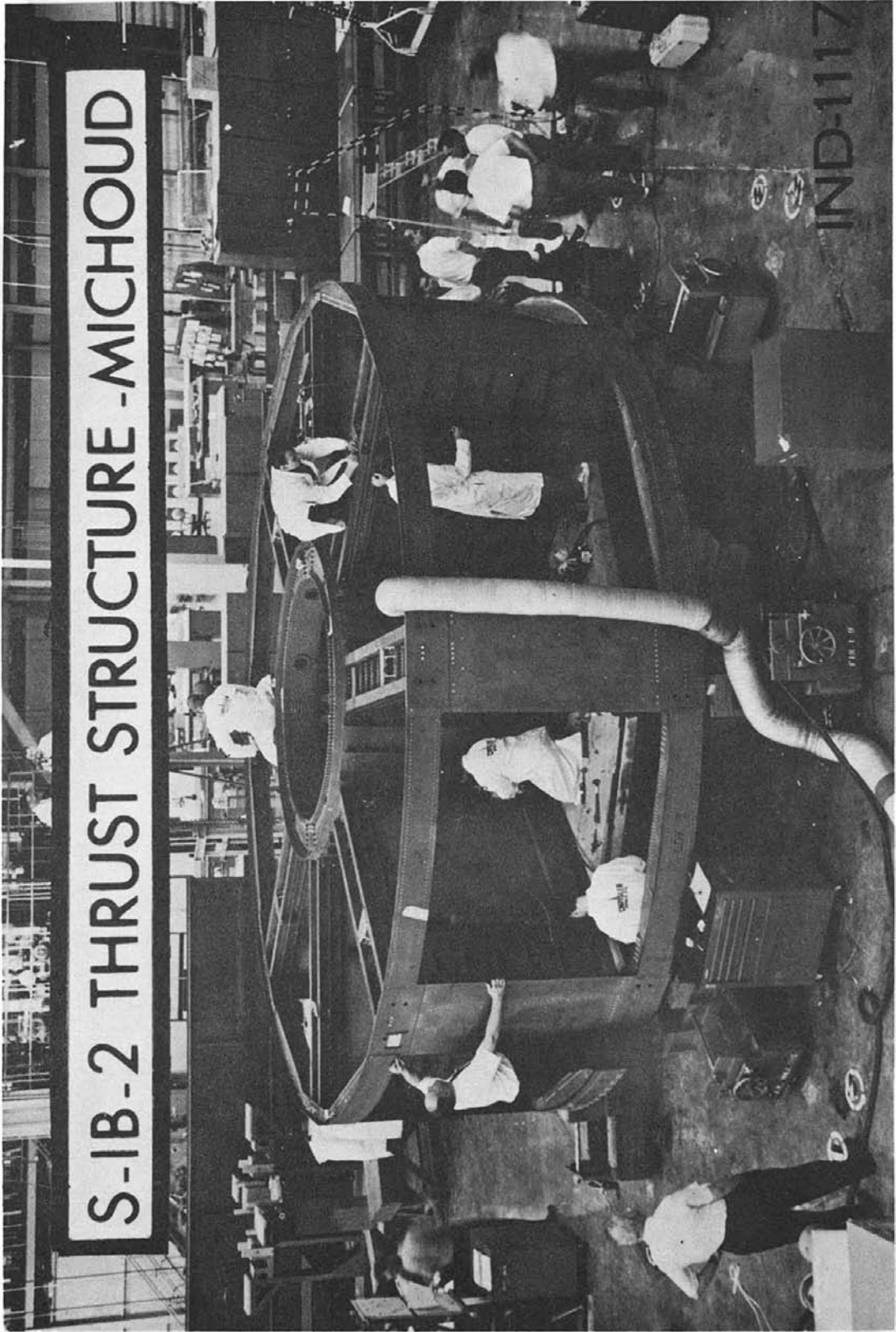
**S-IB SPIDER BEAM STRUCTURAL TEST SETUP
MICHOUO**



IND B1141

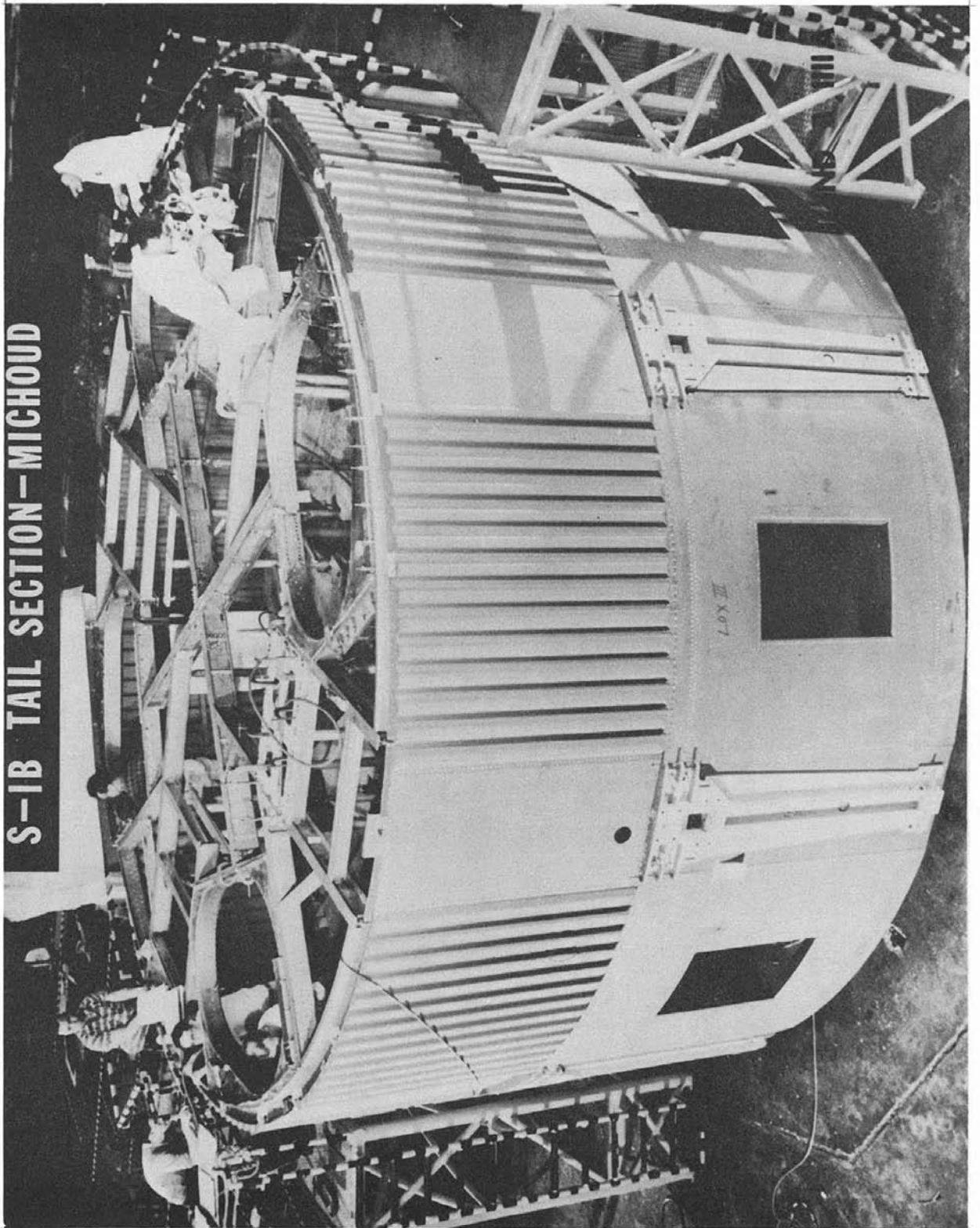
S-1B THRUST RING FAB-MICHOUD

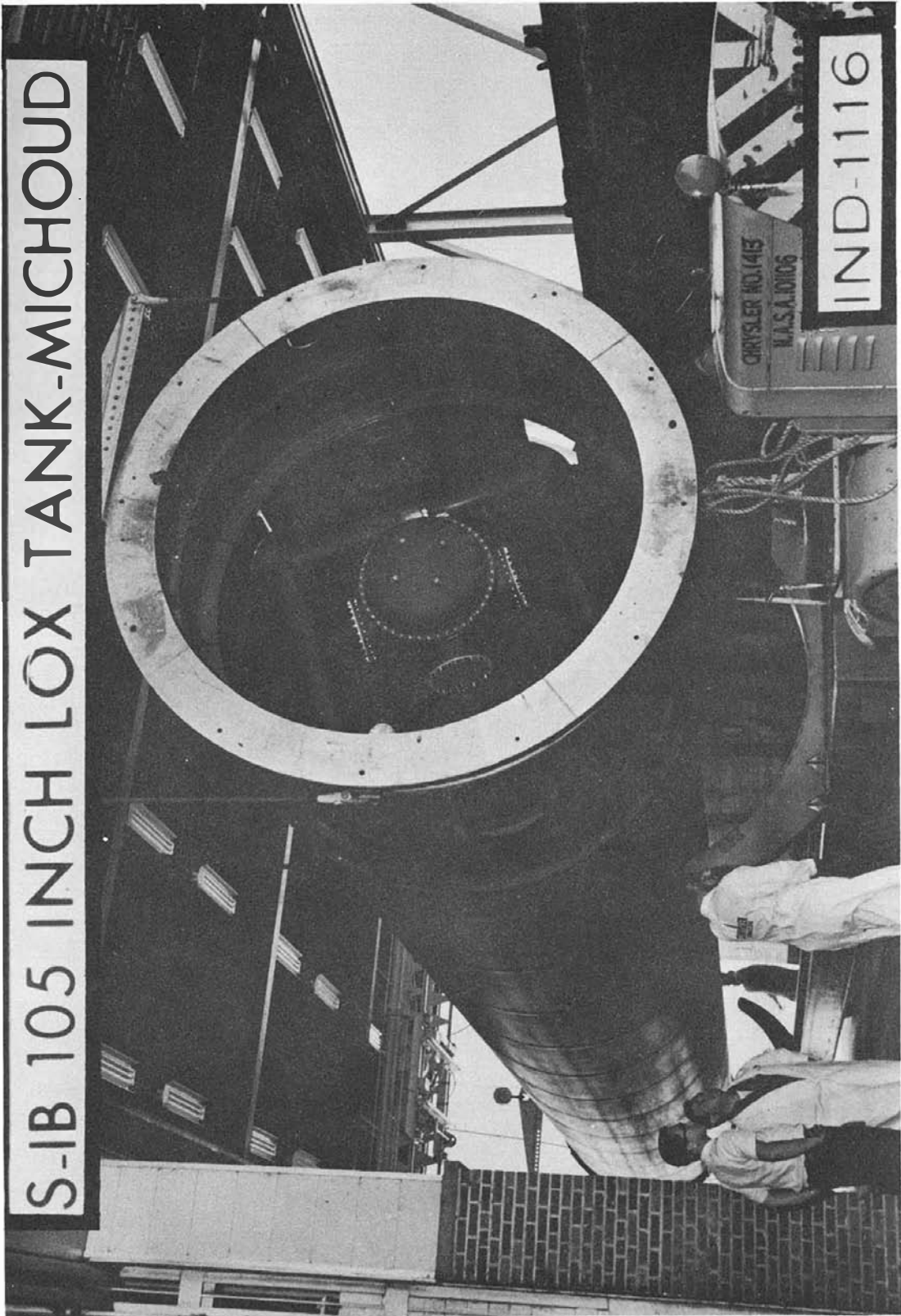


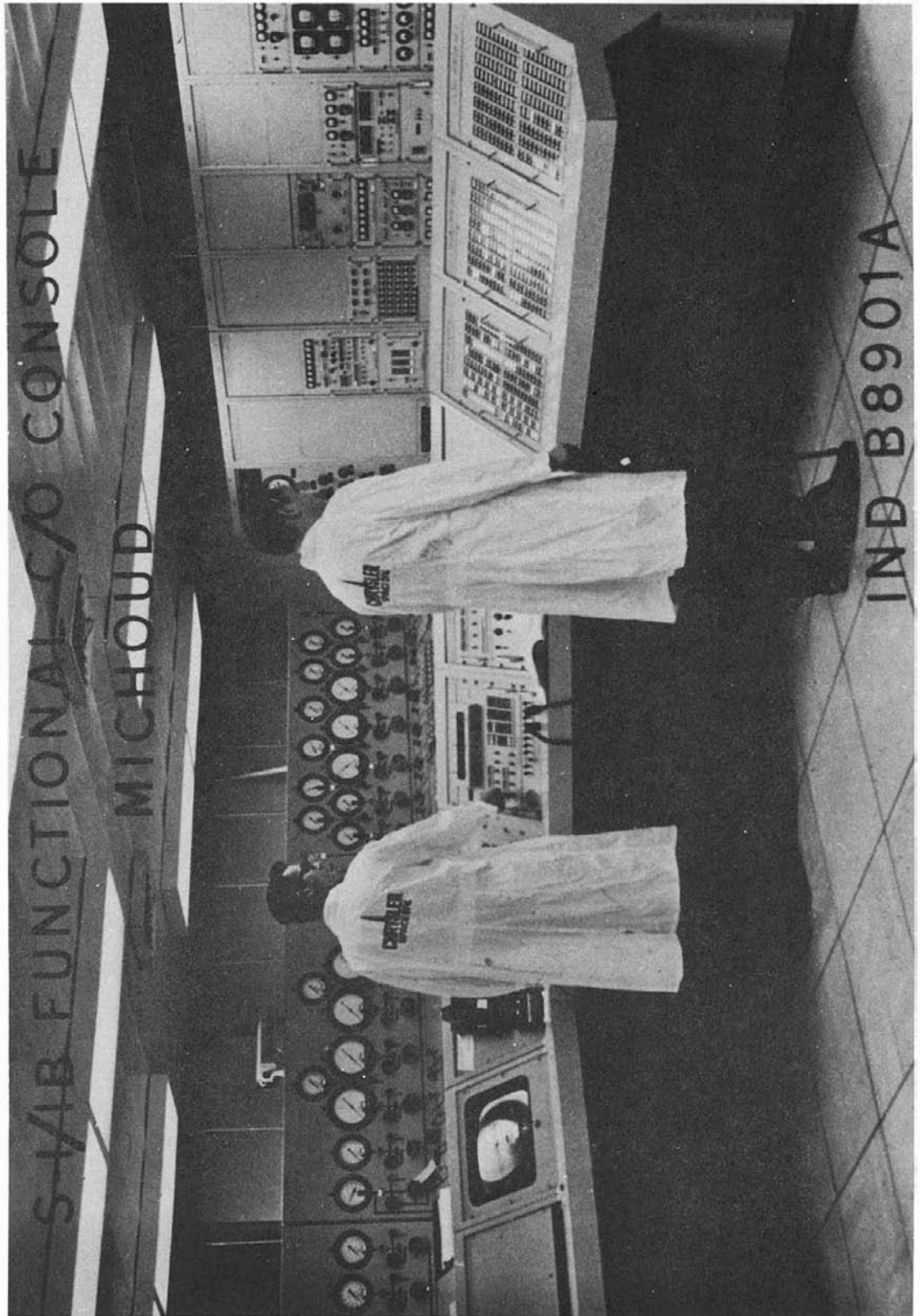


IND-1117

S-1B TAIL SECTION - MICHOUUD



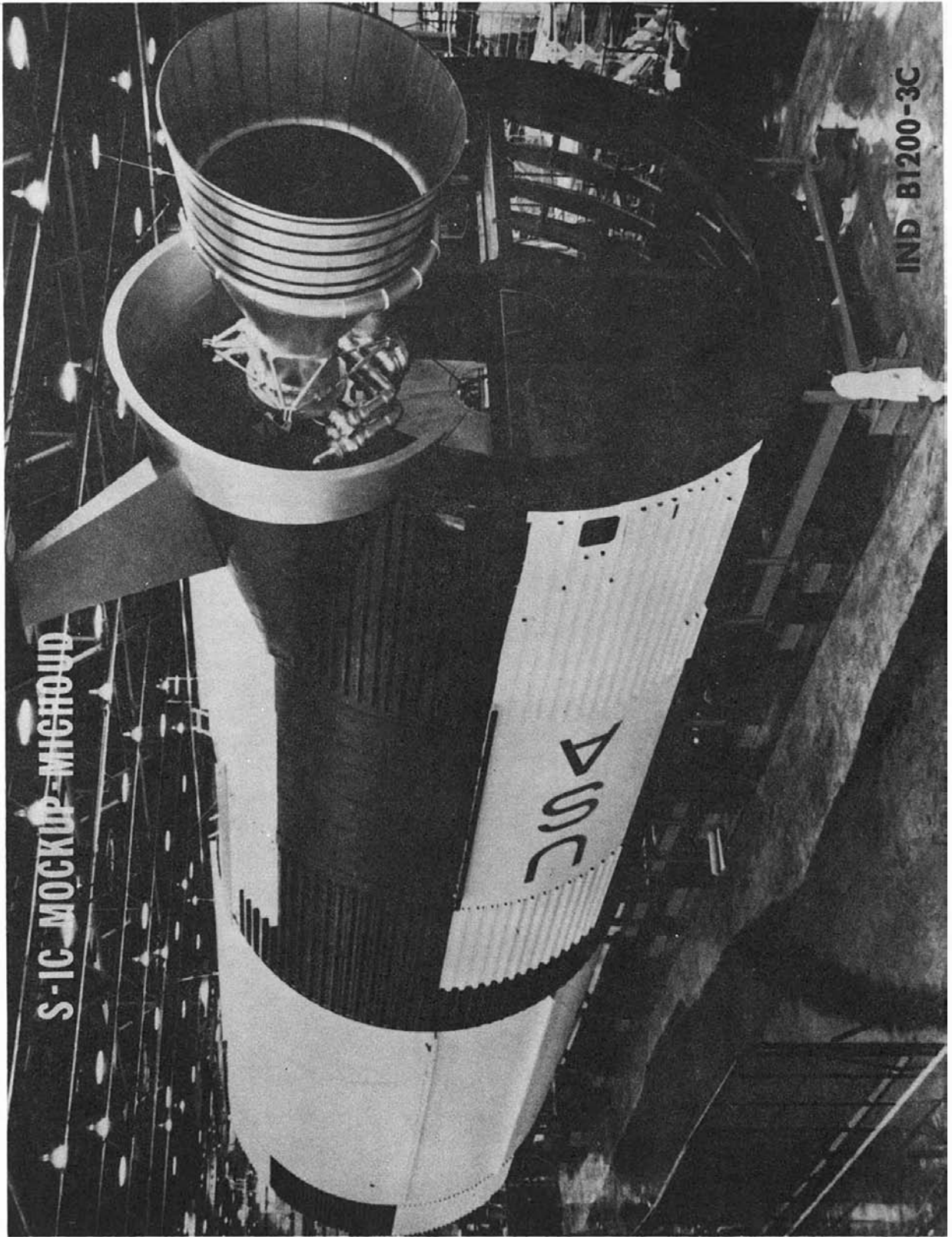




MICHOU D OPERATIONS

S-10 PRODUCTION

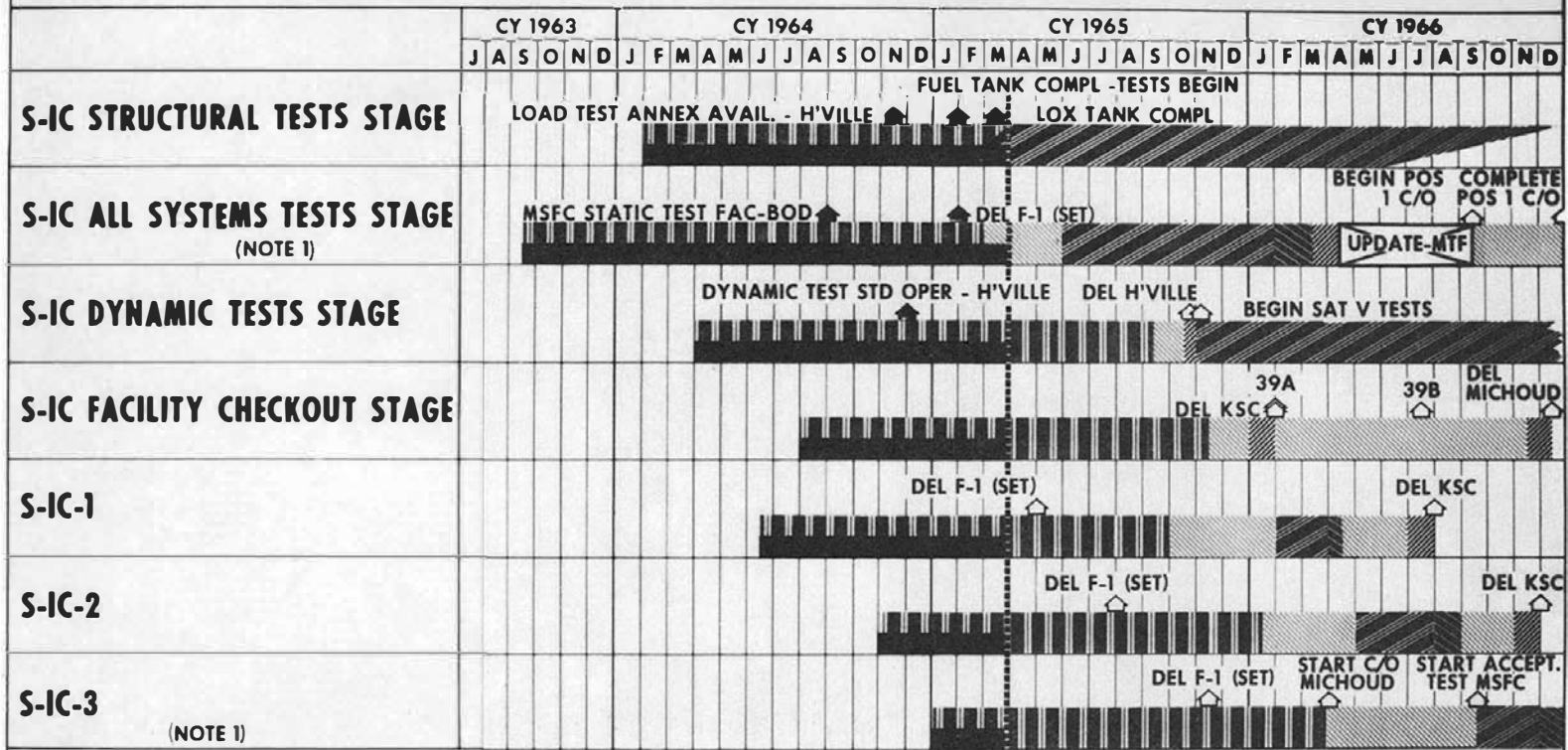
BOEING



S-1C MOCKUP-MICHOUD

IND B1200-3C

SATURN V/S-IC STAGE SUMMARY SCHEDULE



NOTES

1. SCHEDULE CHANGED TO SUPPORT MA-2, PLAN VIII SCHEDULE

▨ FAB & ASSEMBLY	⊠ STORAGE
░ CHECKOUT	■ PROGRESS
▩ PREP/TEST	△ CURRENT SCHEDULE
▨ MOD/REPAIR	▲ EVENT ACCOMPLISHED
▨ PREP/SHIP	

27

SKIN PANEL SUB-ASS'Y. AREA

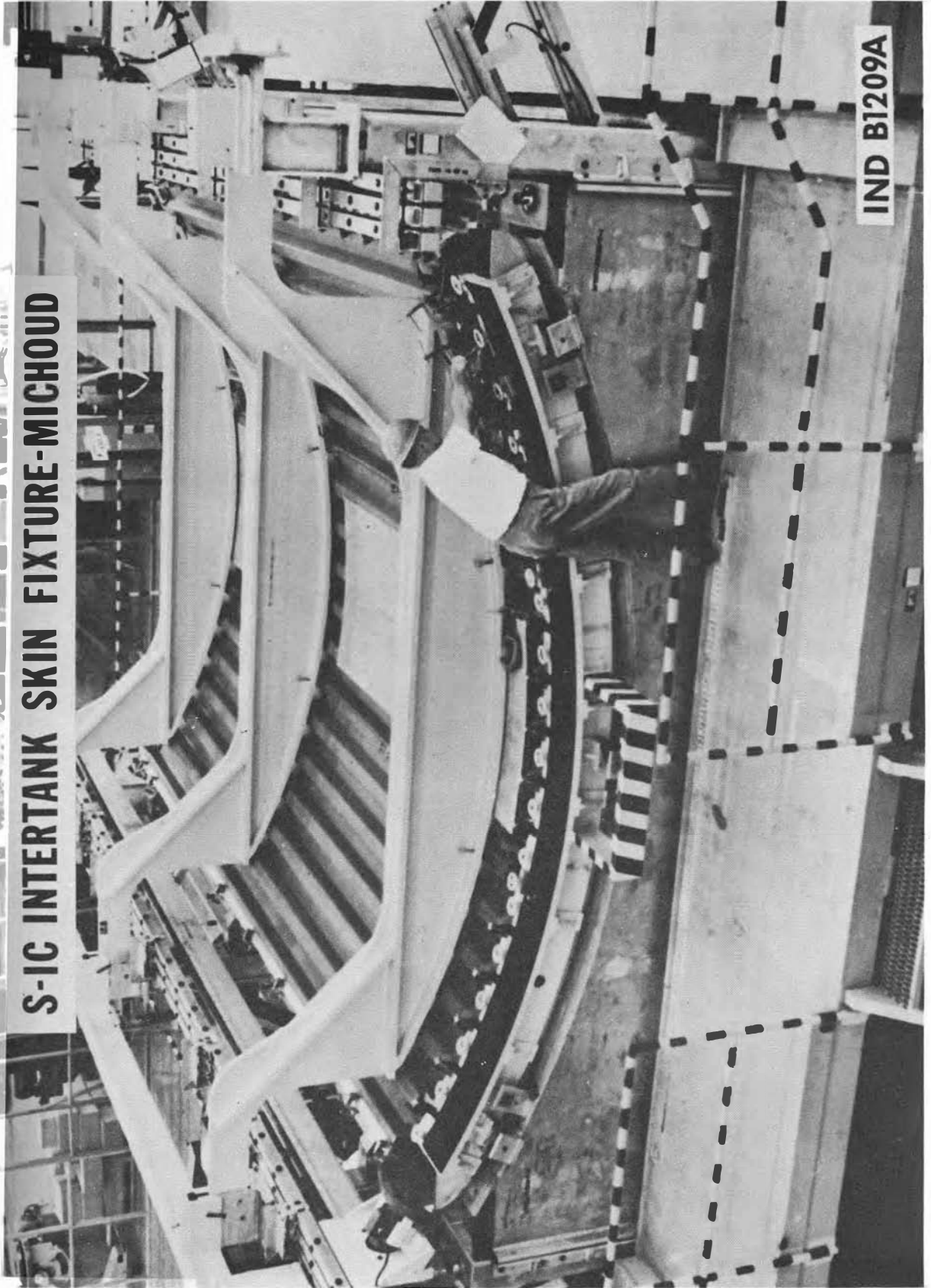
MICHOUD



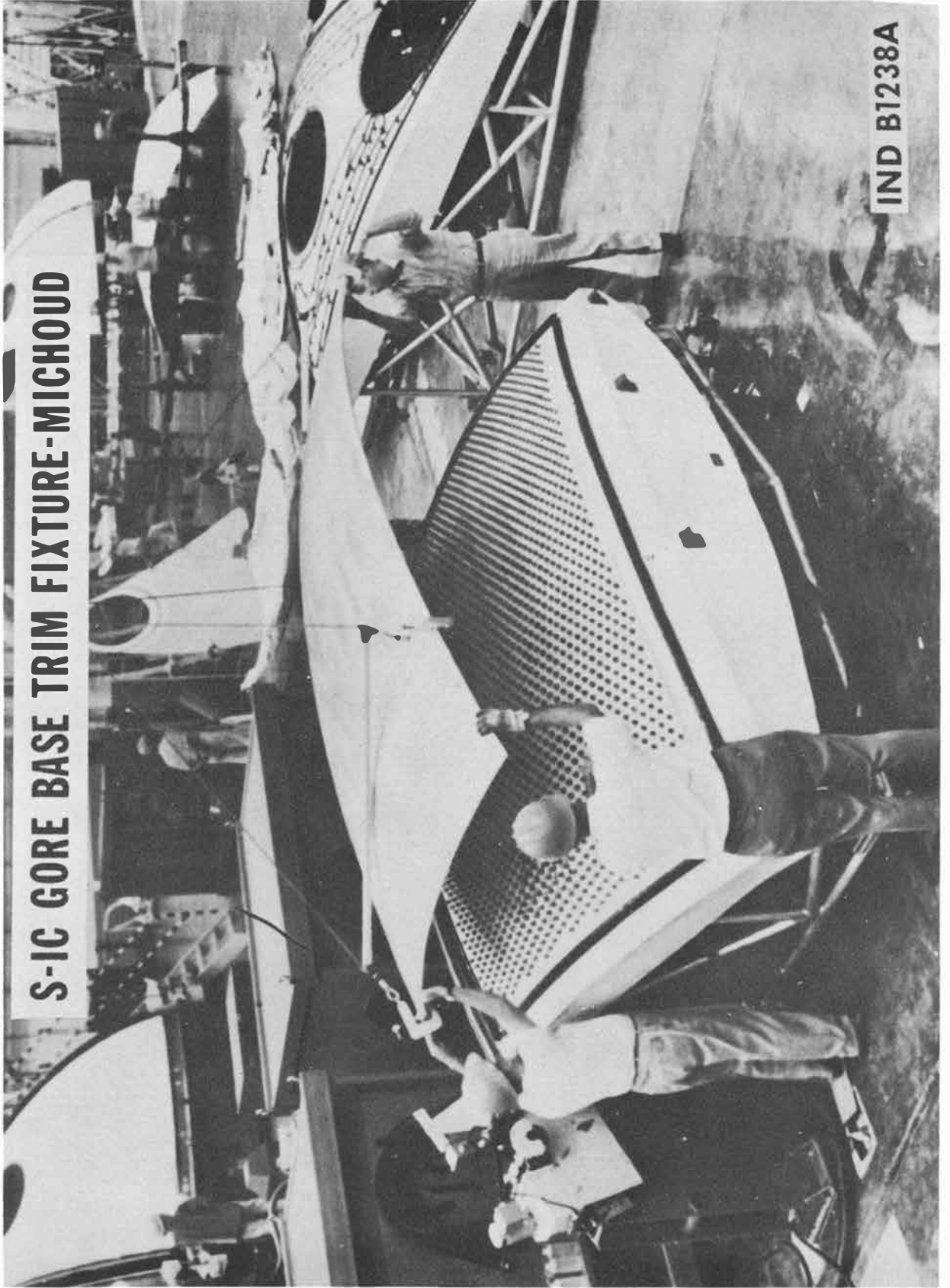
IND-8914

S-IC INTERTANK SKIN FIXTURE-MICHOUD

IND B1209A

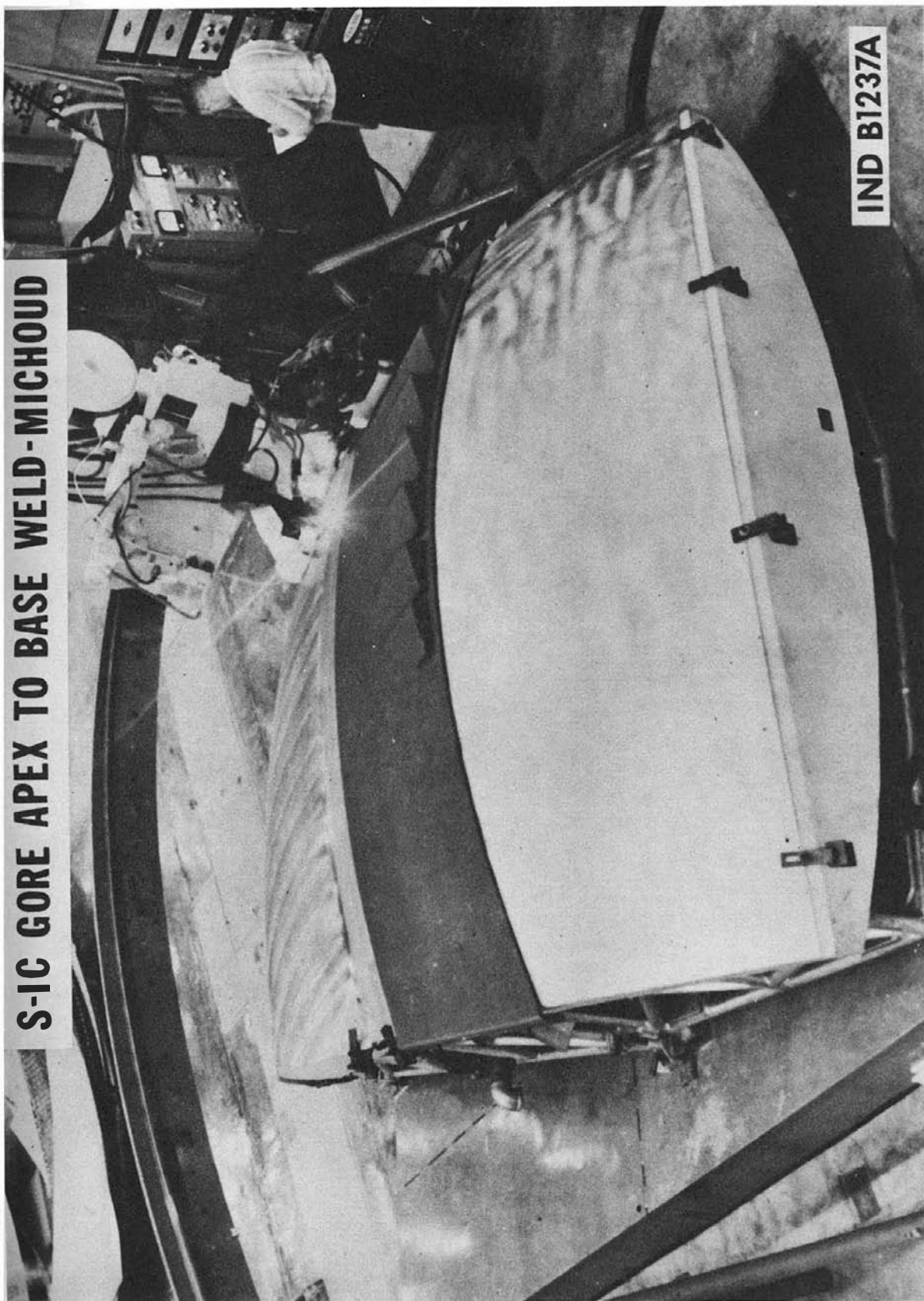


S-IC GORE BASE TRIM FIXTURE-MICHOUD



IND B1238A

S-IC GORE APEX TO BASE WELD-MICHOUD



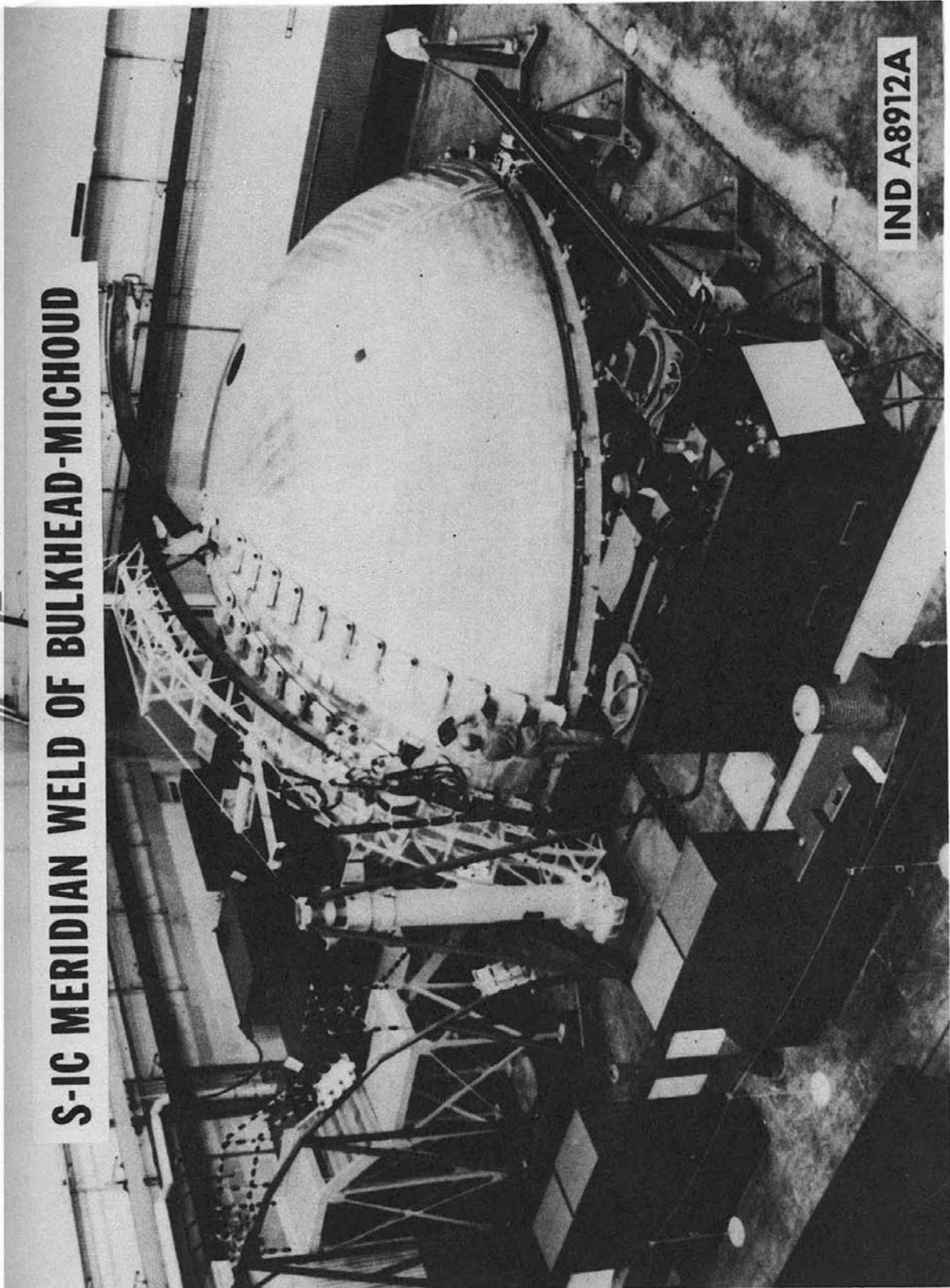
IND B1237A

S-IC MERIDIAN WELD OF GORES-MICHOUD

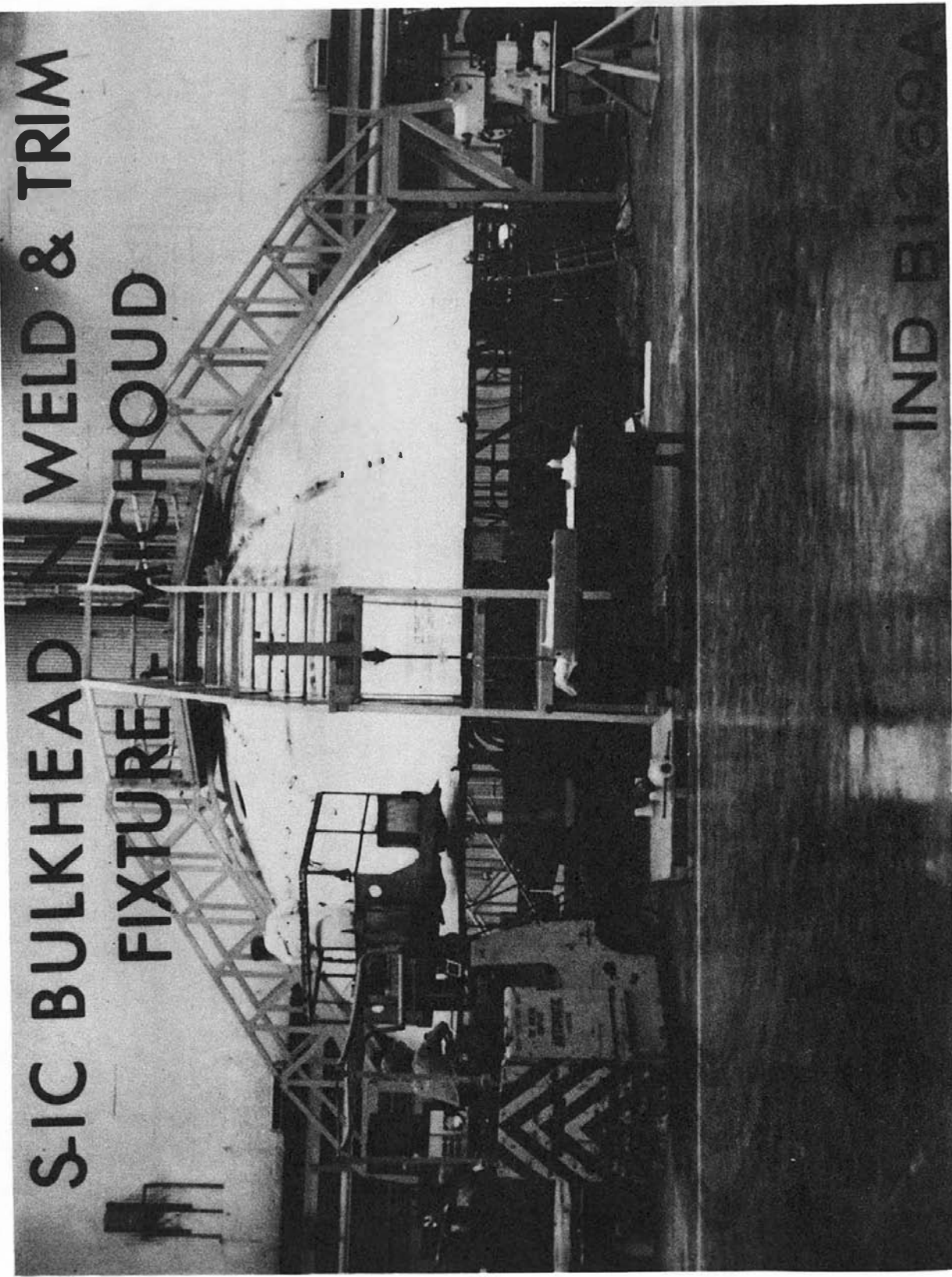


IND B1240A

S-IC MERIDIAN WELD OF BULKHEAD-MICHOUD



IND A8912A



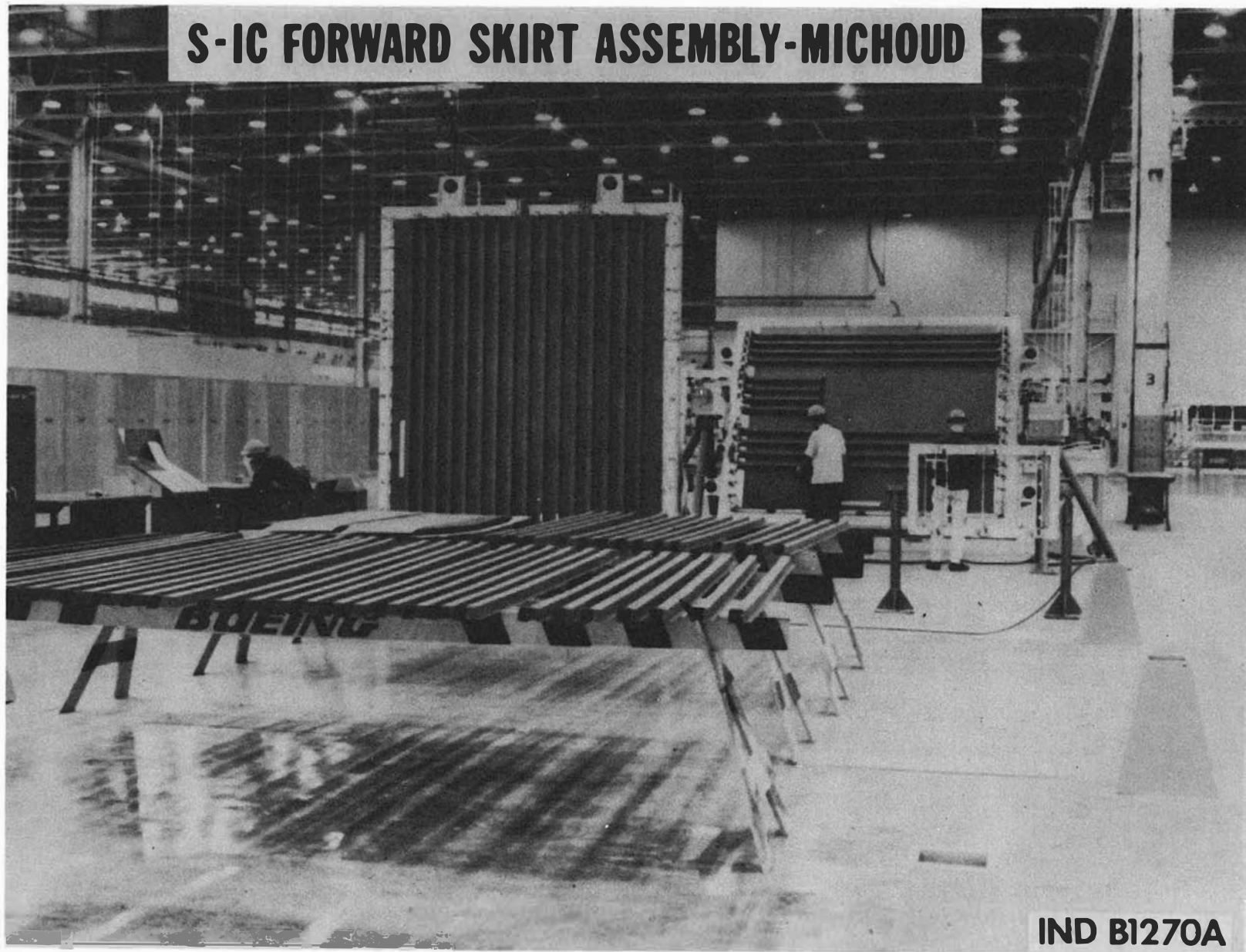
**S-IC BULKHEAD WELD & TRIM
FIXTURE MICHOU**

IND B1260A

S-1C BULKHEAD FAB-MICHOUD

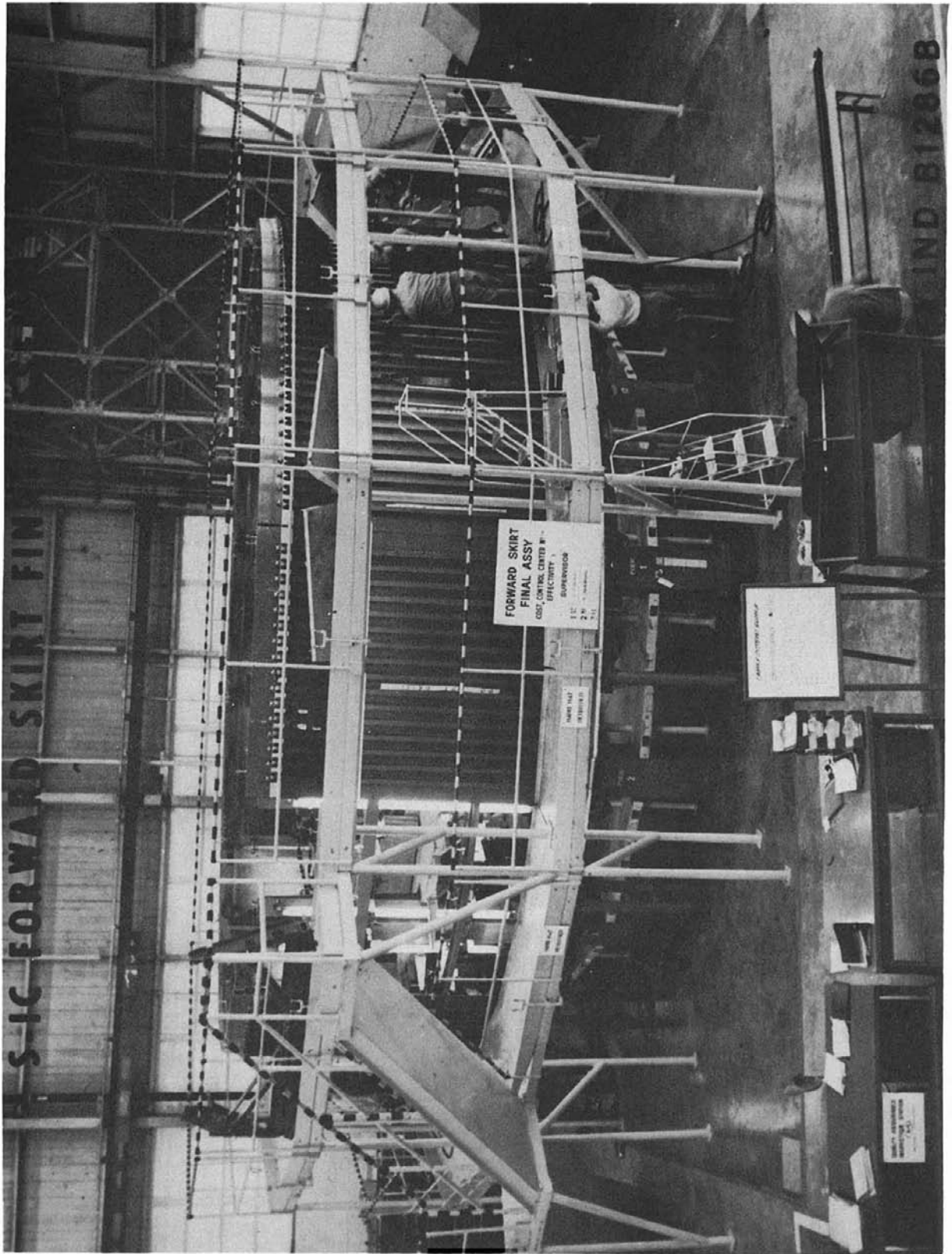
IND B8915B

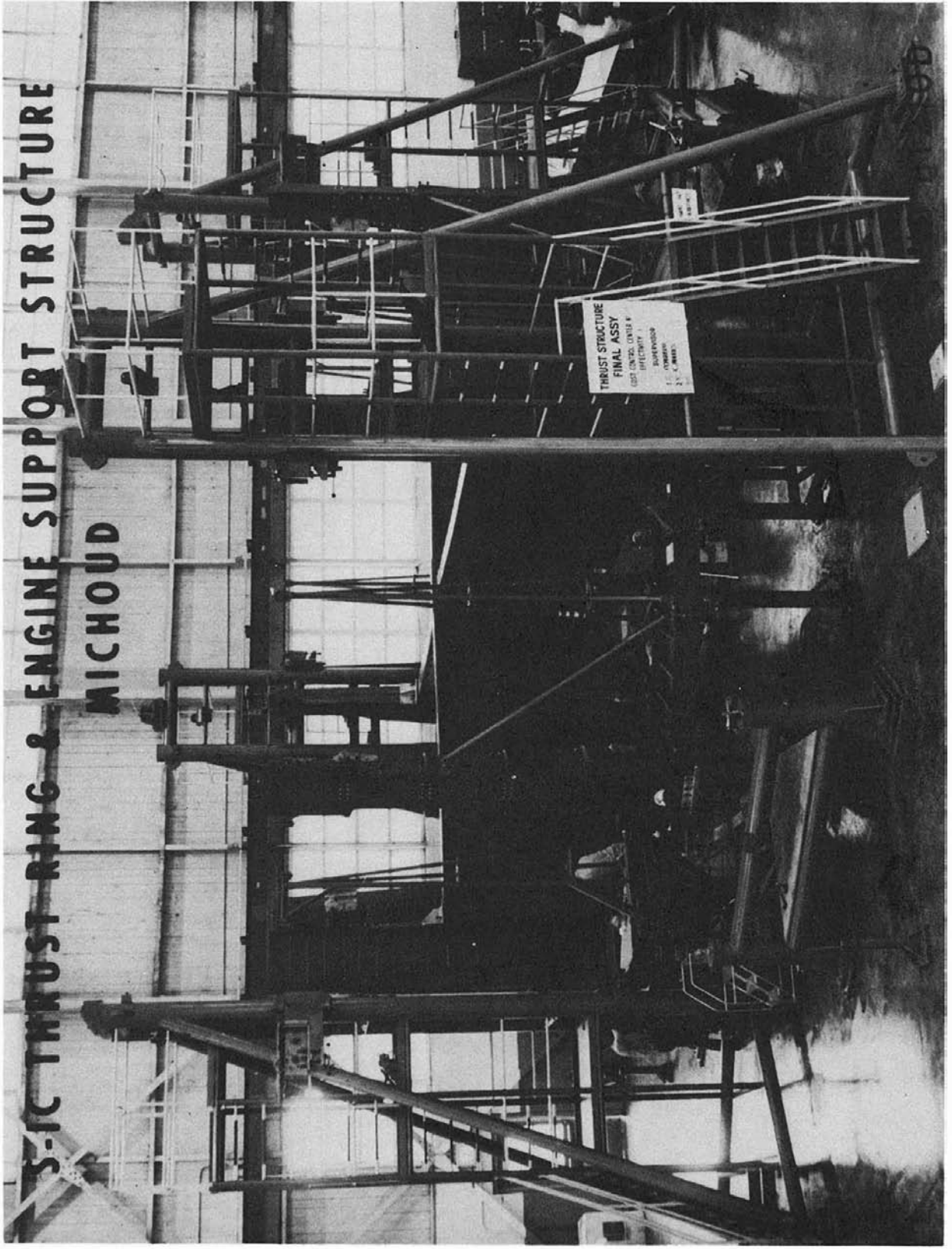
S-IC FORWARD SKIRT ASSEMBLY-MICHOUD



36

IND B1270A





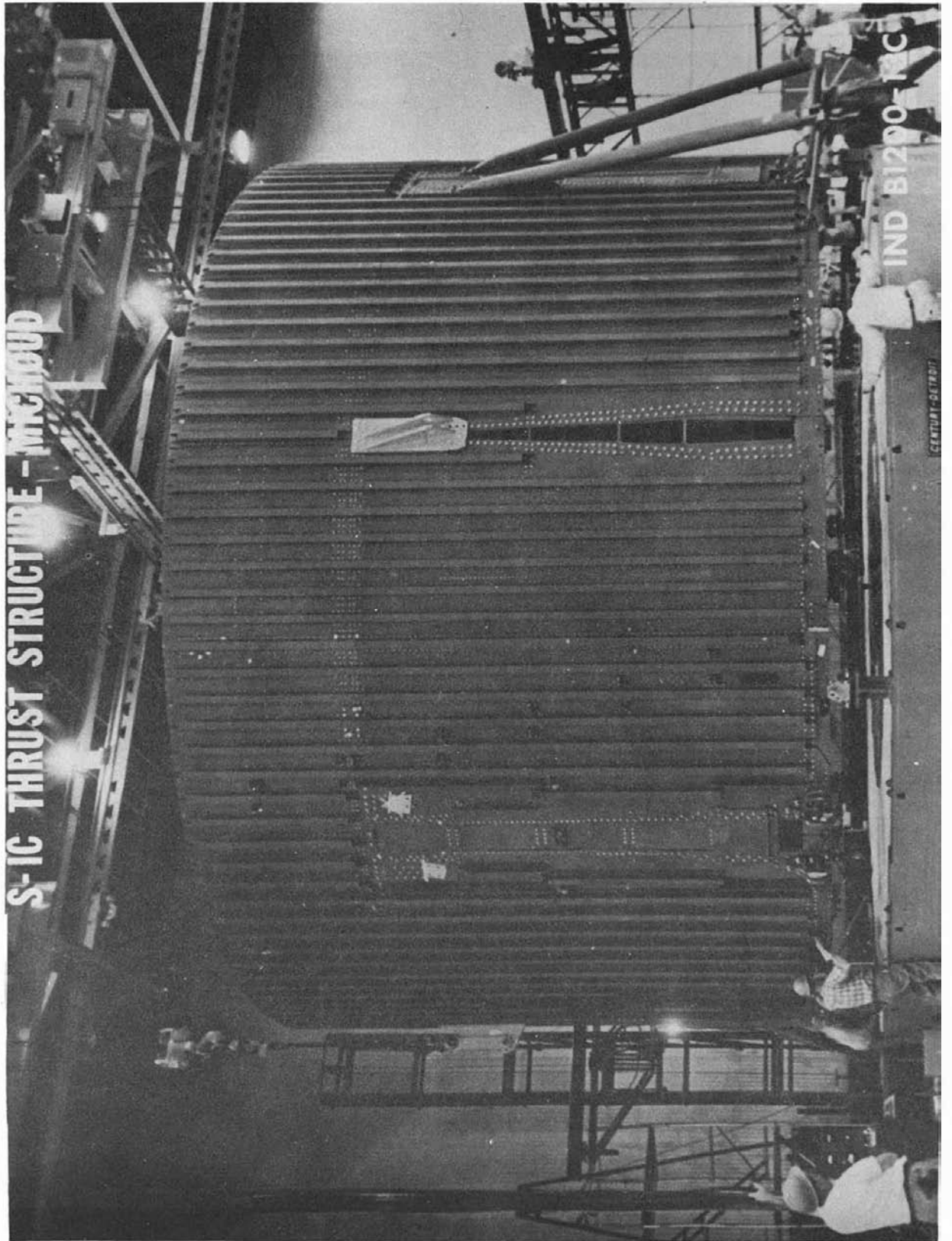
S-1C THRUST RING & ENGINE SUPPORT STRUCTURE
MICHOU

THRUST STRUCTURE
FINAL ASSY
USED CONTO, CIVIL &
EFFICIENCY
BANKENWOOD
1. C. CIVIL
2. C. CIVIL

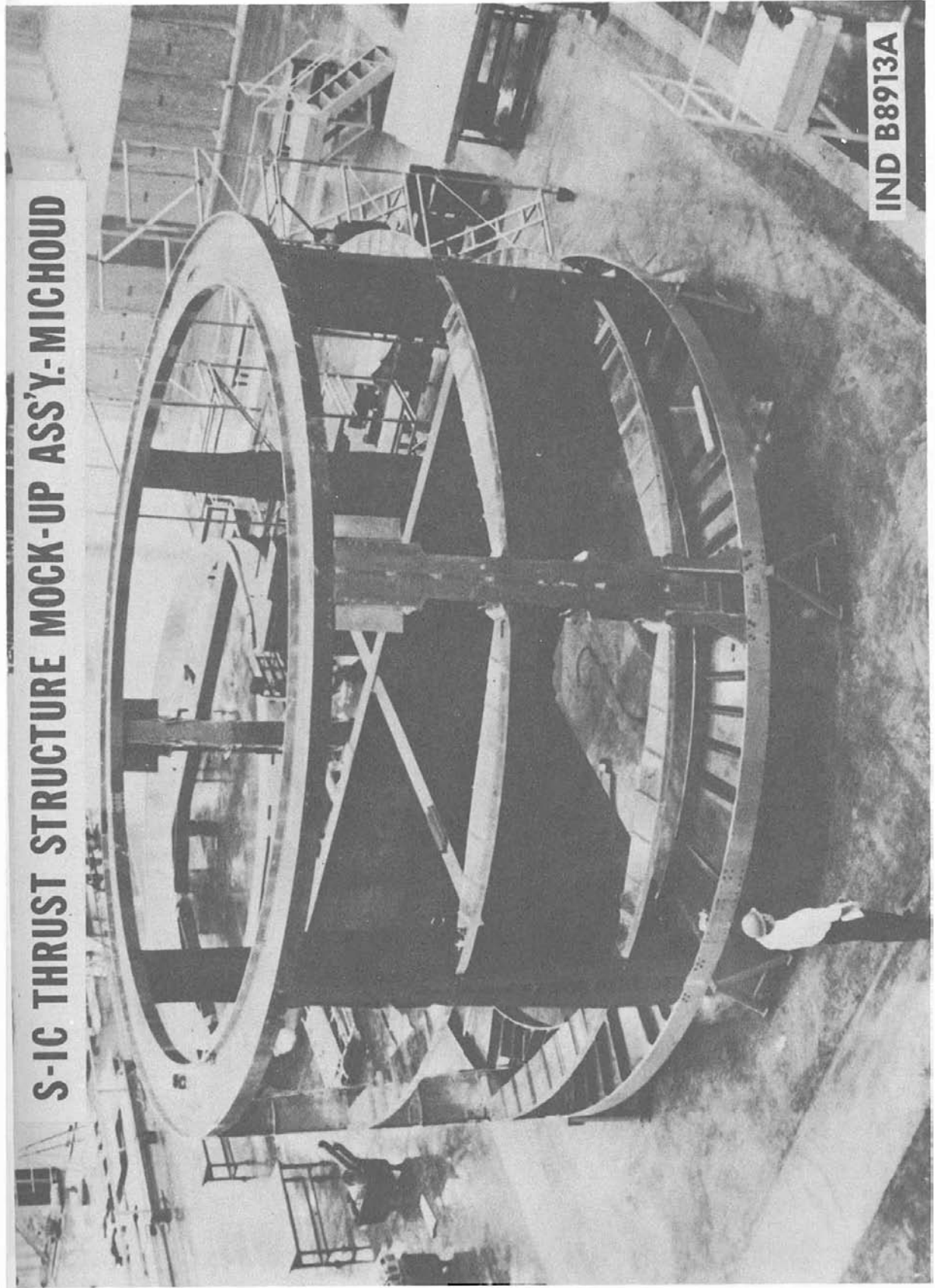
S-IC INTERMEDIATE RING AREA-MICHOUD



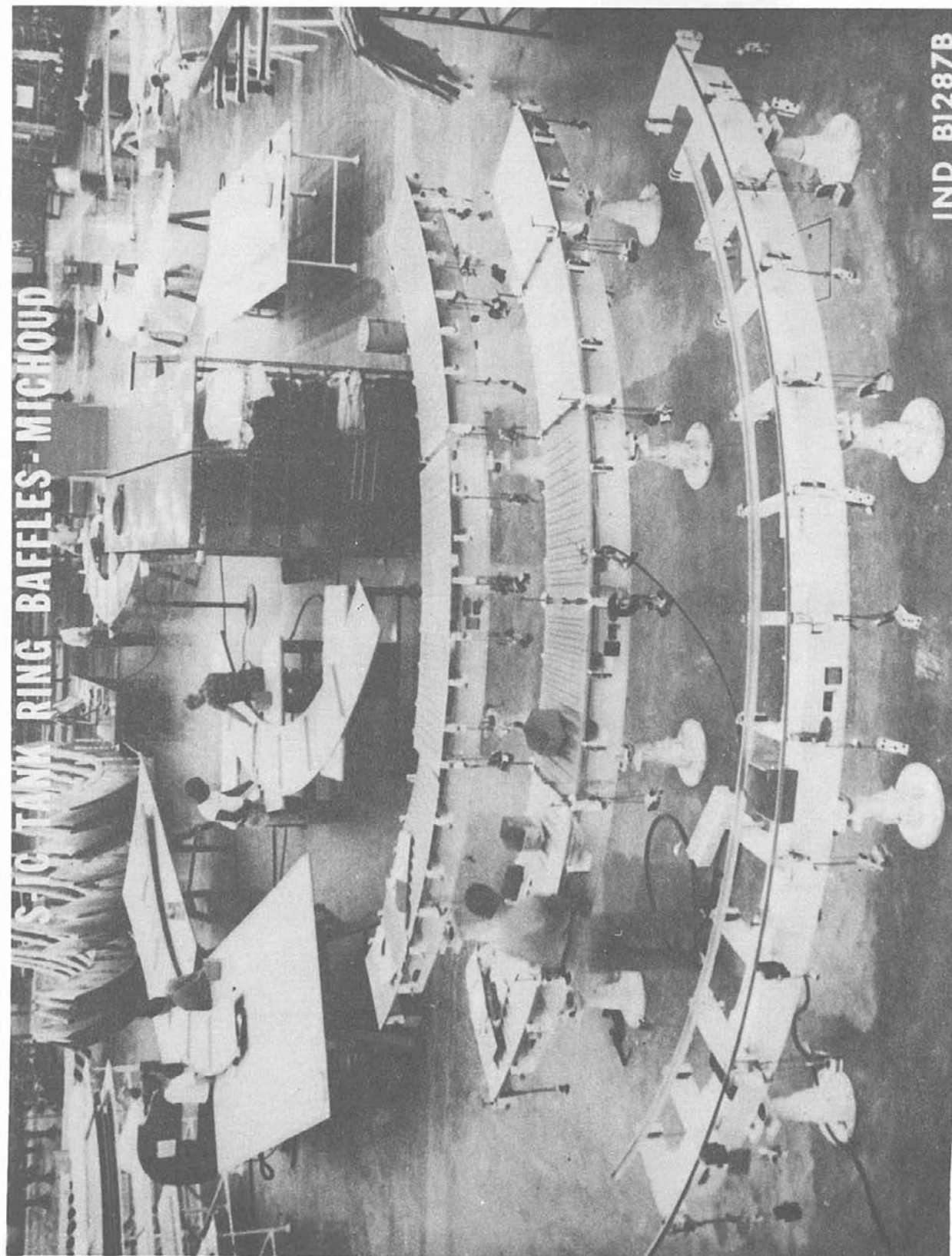
IND 1200-10



S-1C THRUST STRUCTURE MOCK-UP ASS'Y-MICHOUD



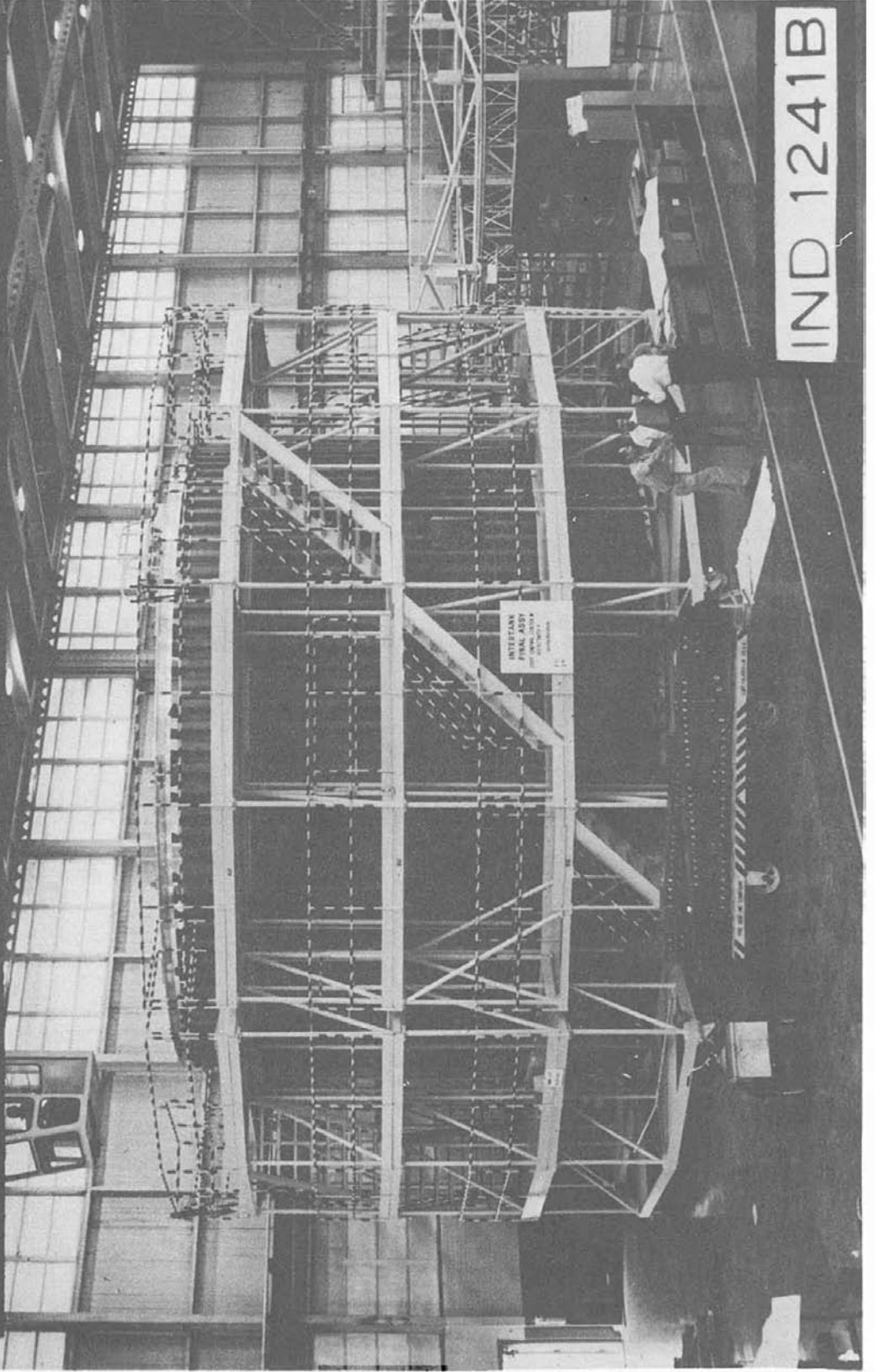
IND B8913A



SAG TAMA RING BAFFLES - MICHOU

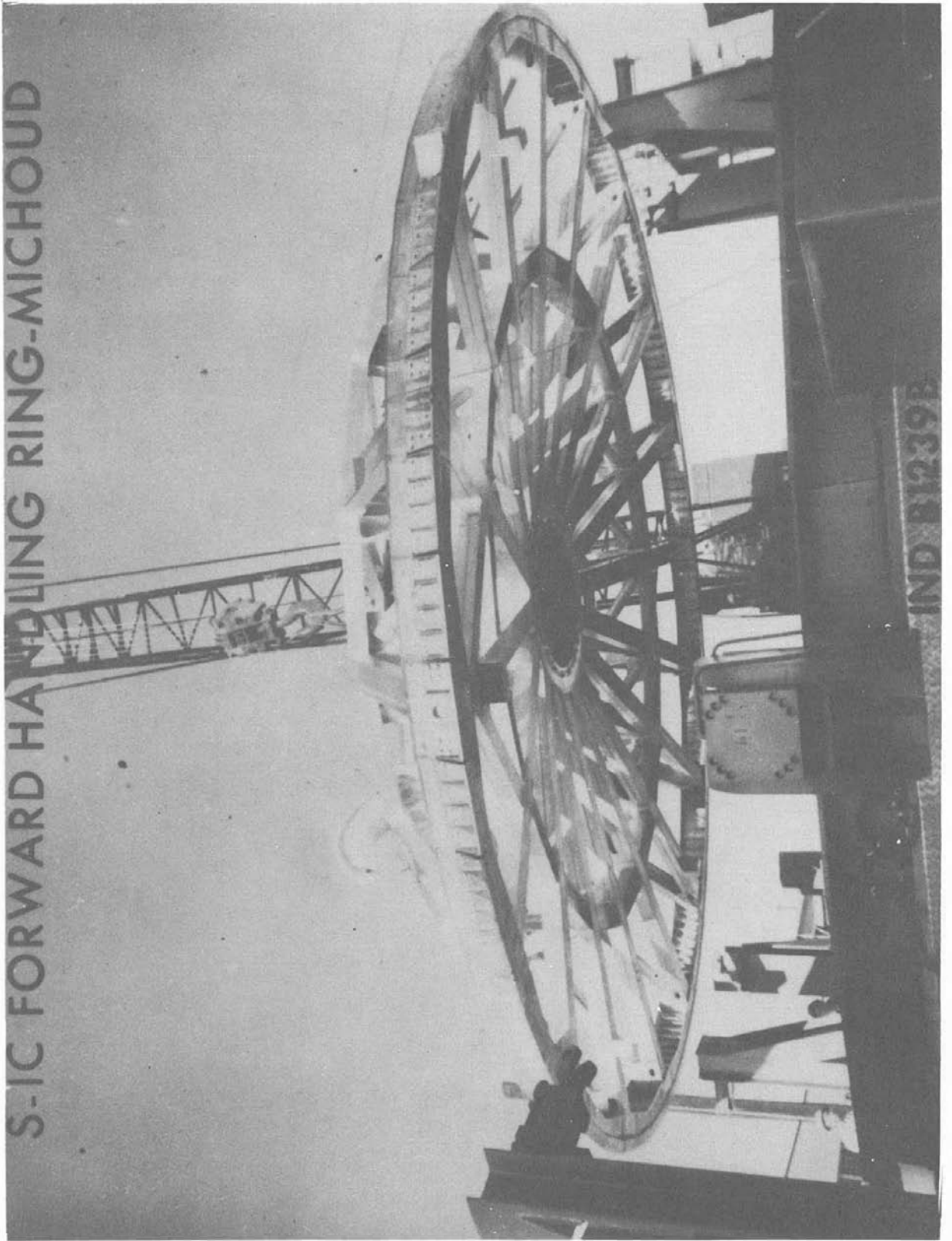
IND B1287B

S-IC INTERTANK ASSEMBLY - MICHOUD

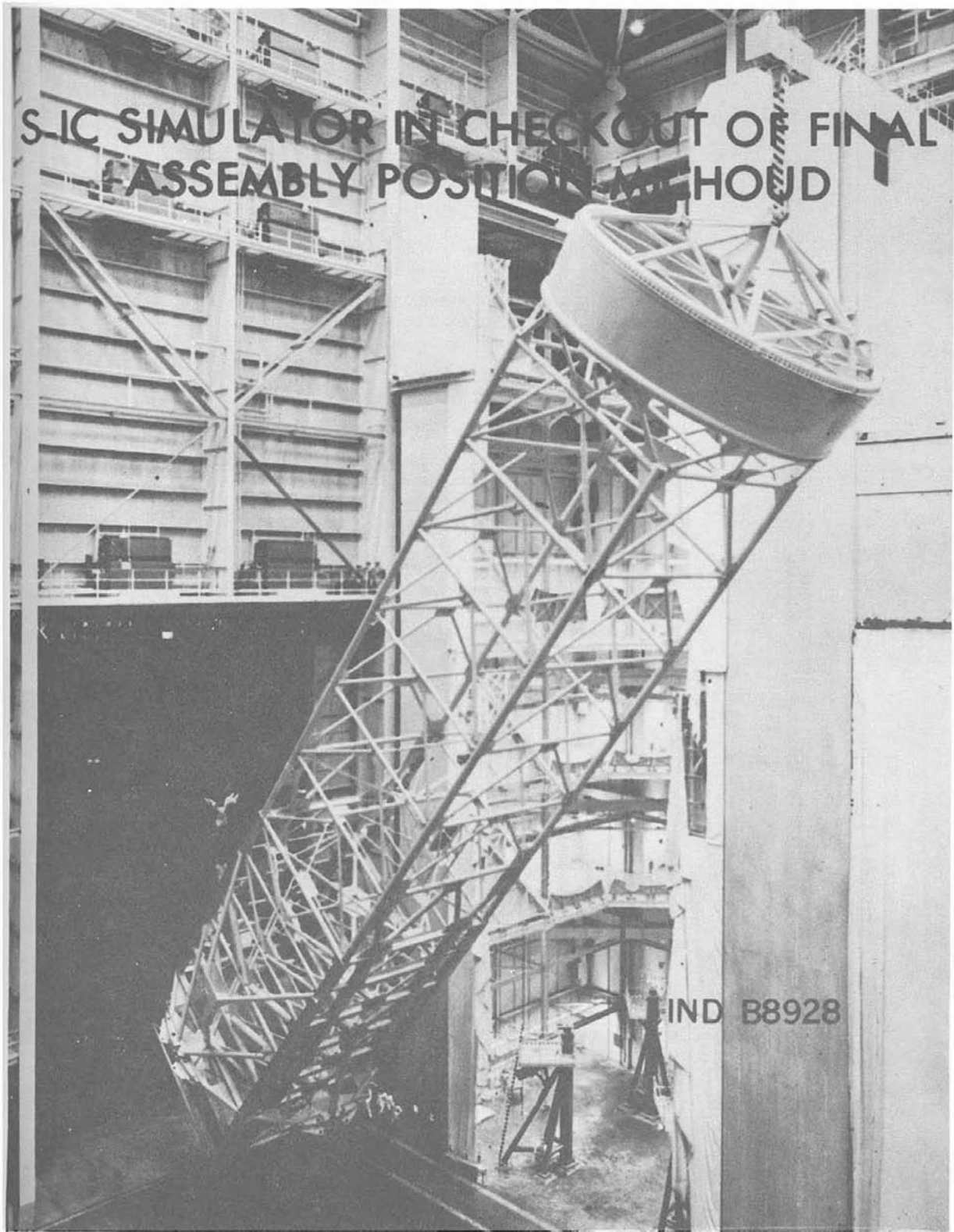


IND 1241B

S-IC FORWARD HANDLING RING-MICHOUD



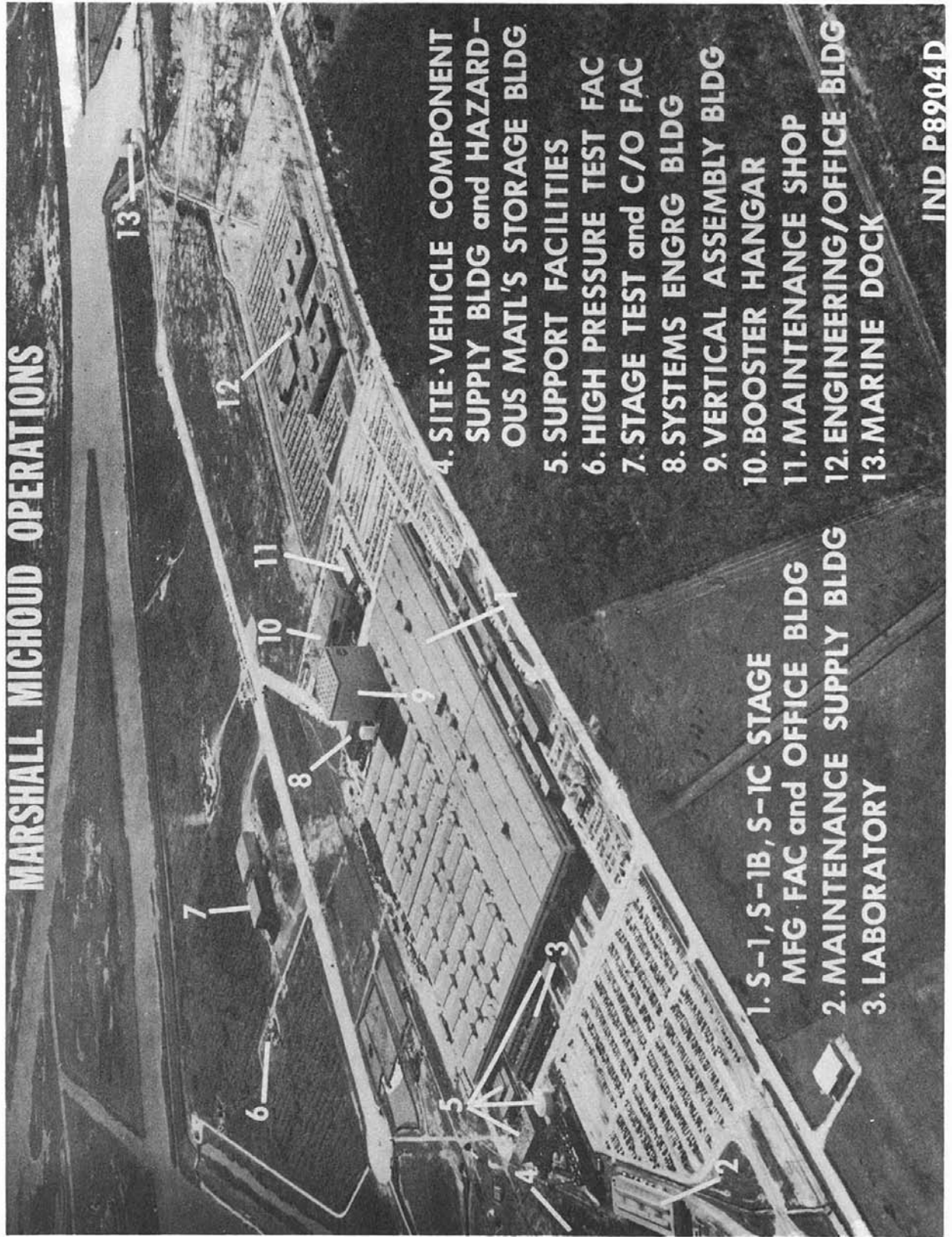
S-IC SIMULATOR IN CHECKOUT OF FINAL
ASSEMBLY POSITION AT CHOD



IND B8928

MICHIGAN OPERATIONS FACILITIES

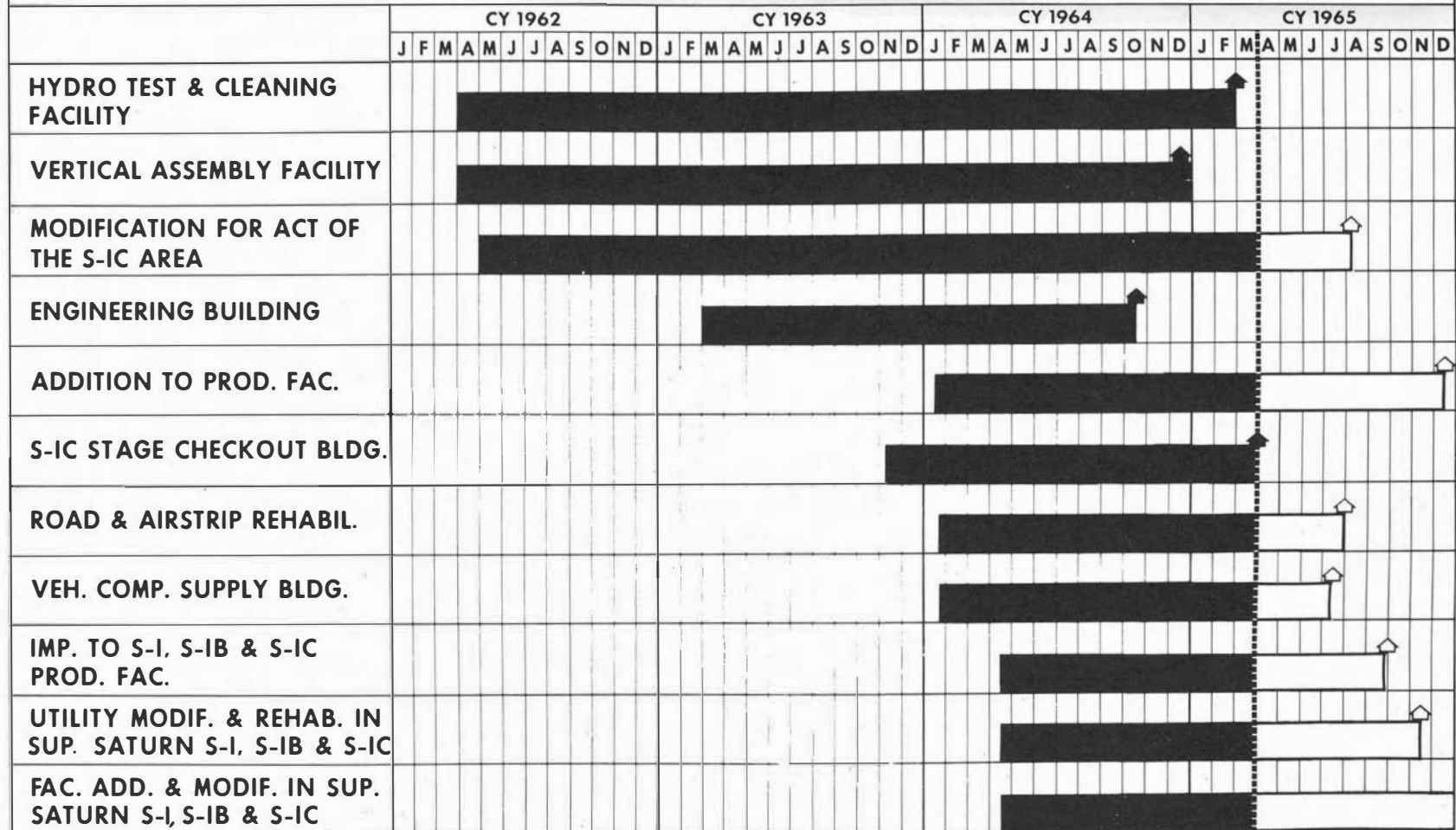
MARSHALL MICHOU D OPERATIONS



- 1. S-1, S-1B, S-1C STAGE MFG FAC and OFFICE BLDG
- 2. MAINTENANCE SUPPLY BLDG
- 3. LABORATORY
- 4. SITE VEHICLE COMPONENT SUPPLY BLDG and HAZARDOUS MATL'S STORAGE BLDG
- 5. SUPPORT FACILITIES
- 6. HIGH PRESSURE TEST FAC
- 7. STAGE TEST and C/O FAC
- 8. SYSTEMS ENGRG BLDG
- 9. VERTICAL ASSEMBLY BLDG
- 10. BOOSTER HANGAR
- 11. MAINTENANCE SHOP
- 12. ENGINEERING/OFFICE BLDG
- 13. MARINE DOCK

IND P8904D

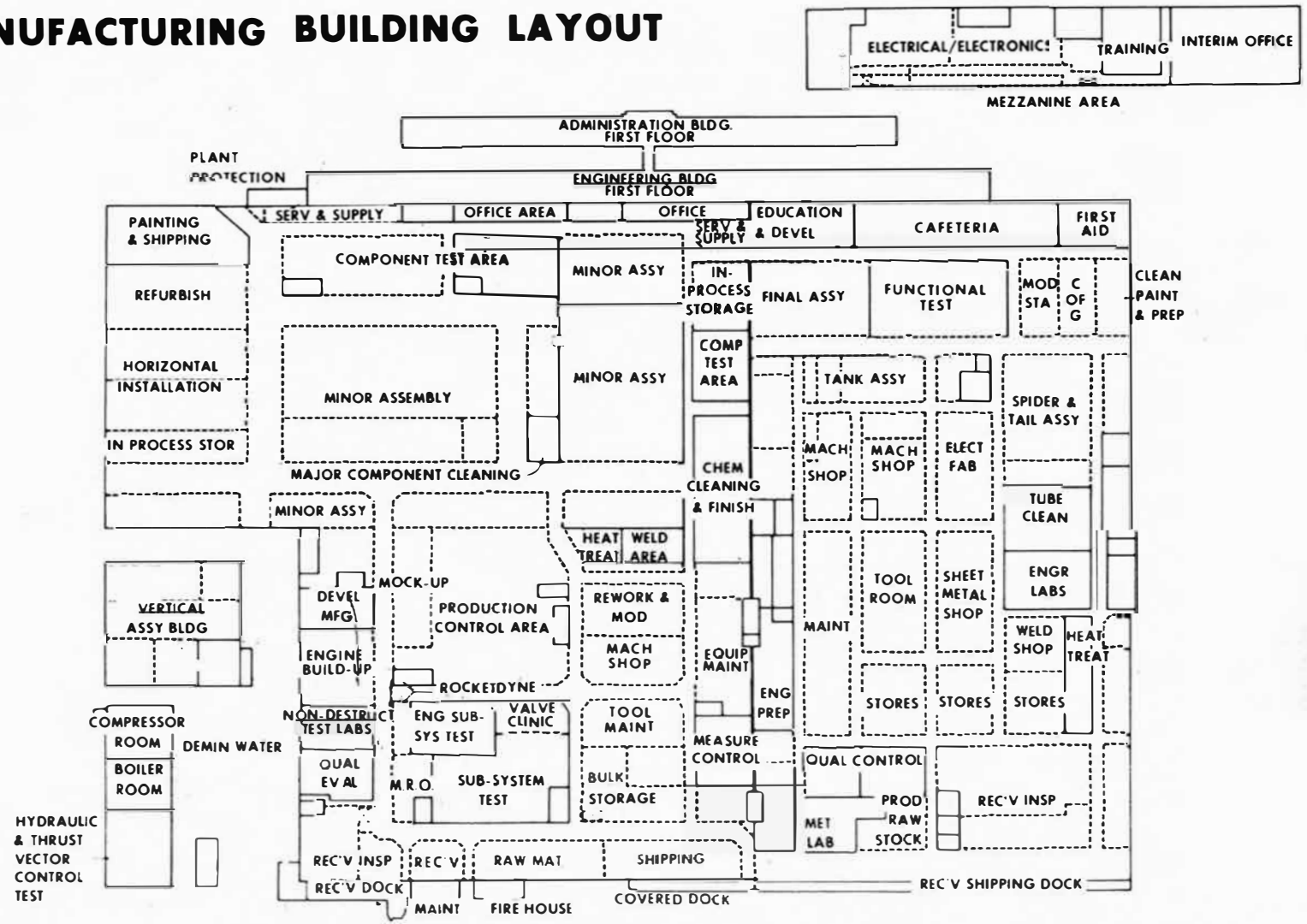
MSFC FACILITIES-MAJOR PROJECTS SCHEDULE-MICHOU



NOTES ARROW AT END OF BAR INCLUDES INSTALLATION OF TECHNICAL EQUIPMENT.

- SCHEDULE
- PROGRESS
- CURRENT SCHEDULE
- EVENT ACCOMPLISHED

MICHOD OPERATIONS MANUFACTURING BUILDING LAYOUT



19

BOEING - S-IC STAGE

CHRYSLER - S-I/S-IB STAGES

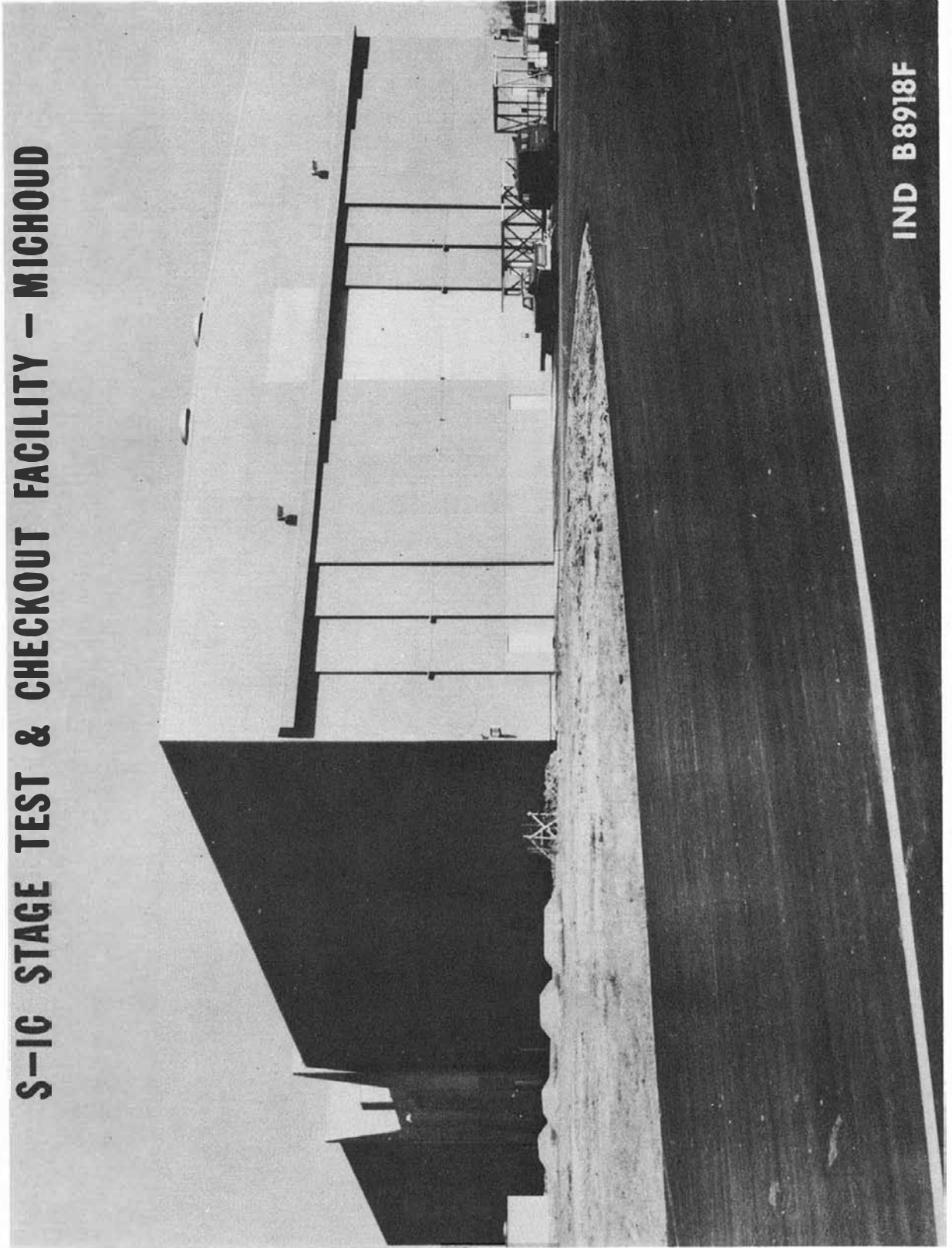
IRM-D JAN 1965 IND 88917A

ENGINEERING/OFFICE BUILDING - MICHOUD



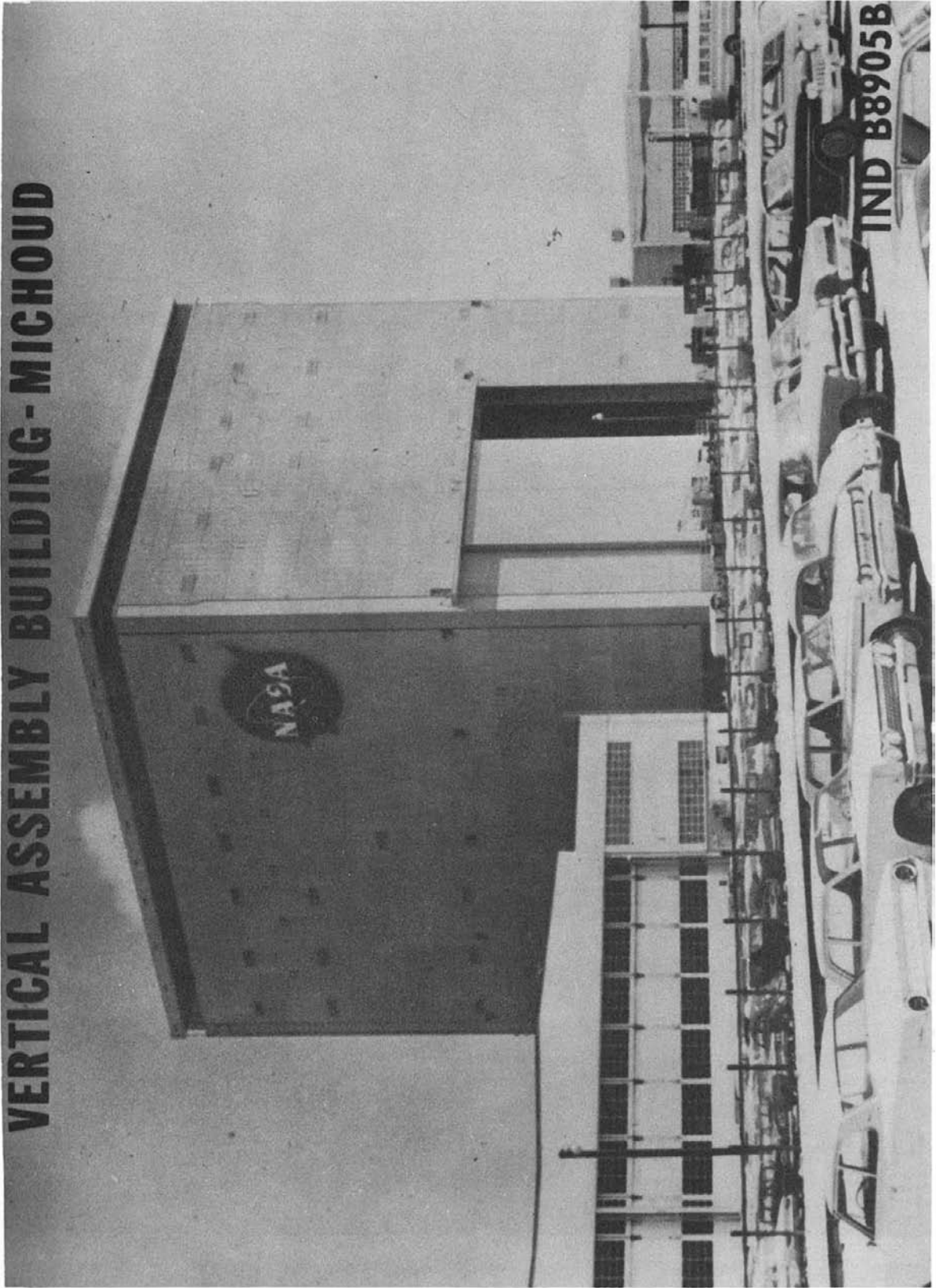
IND B8910F

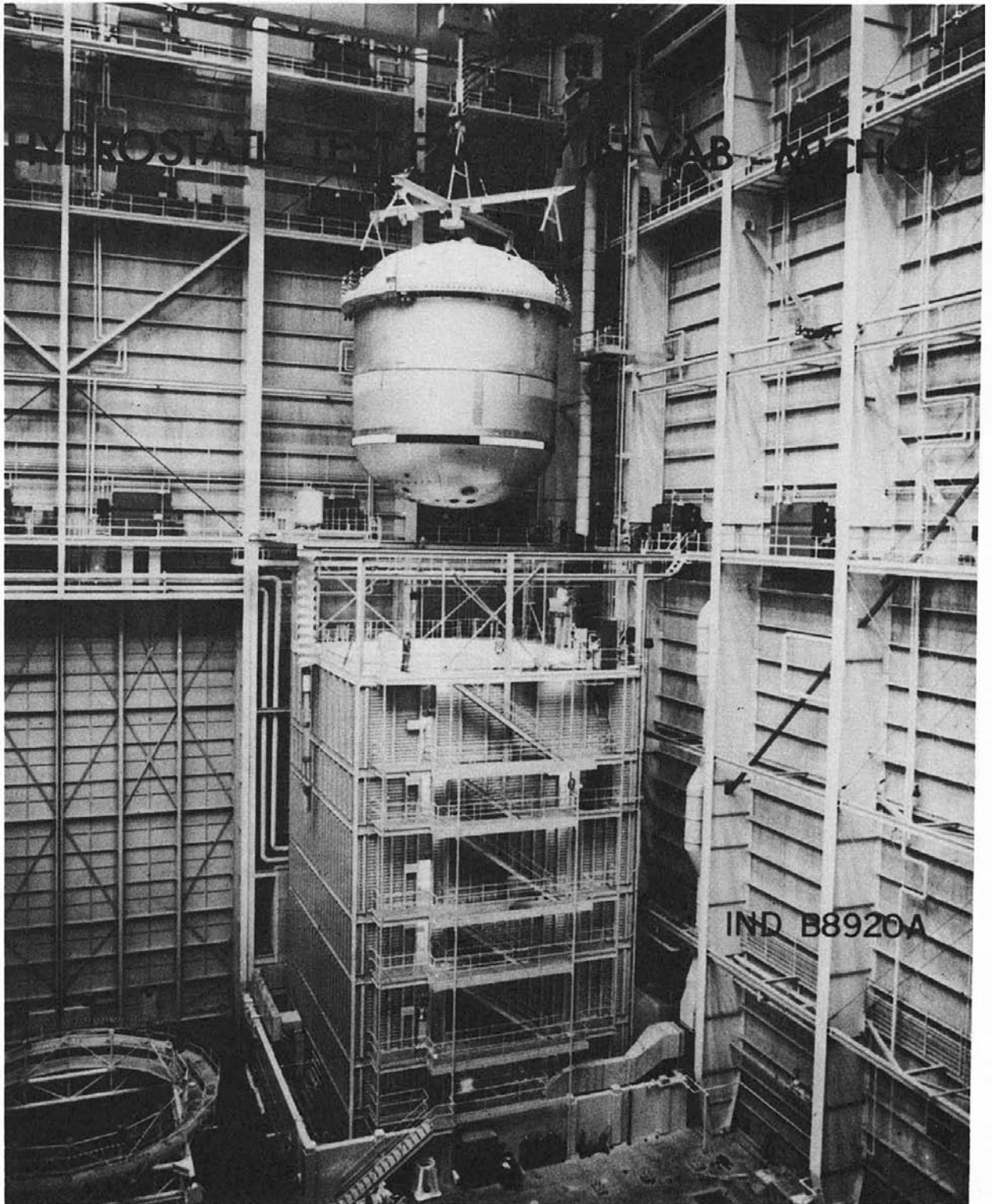
S-1C STAGE TEST & CHECKOUT FACILITY - MICHIGAN



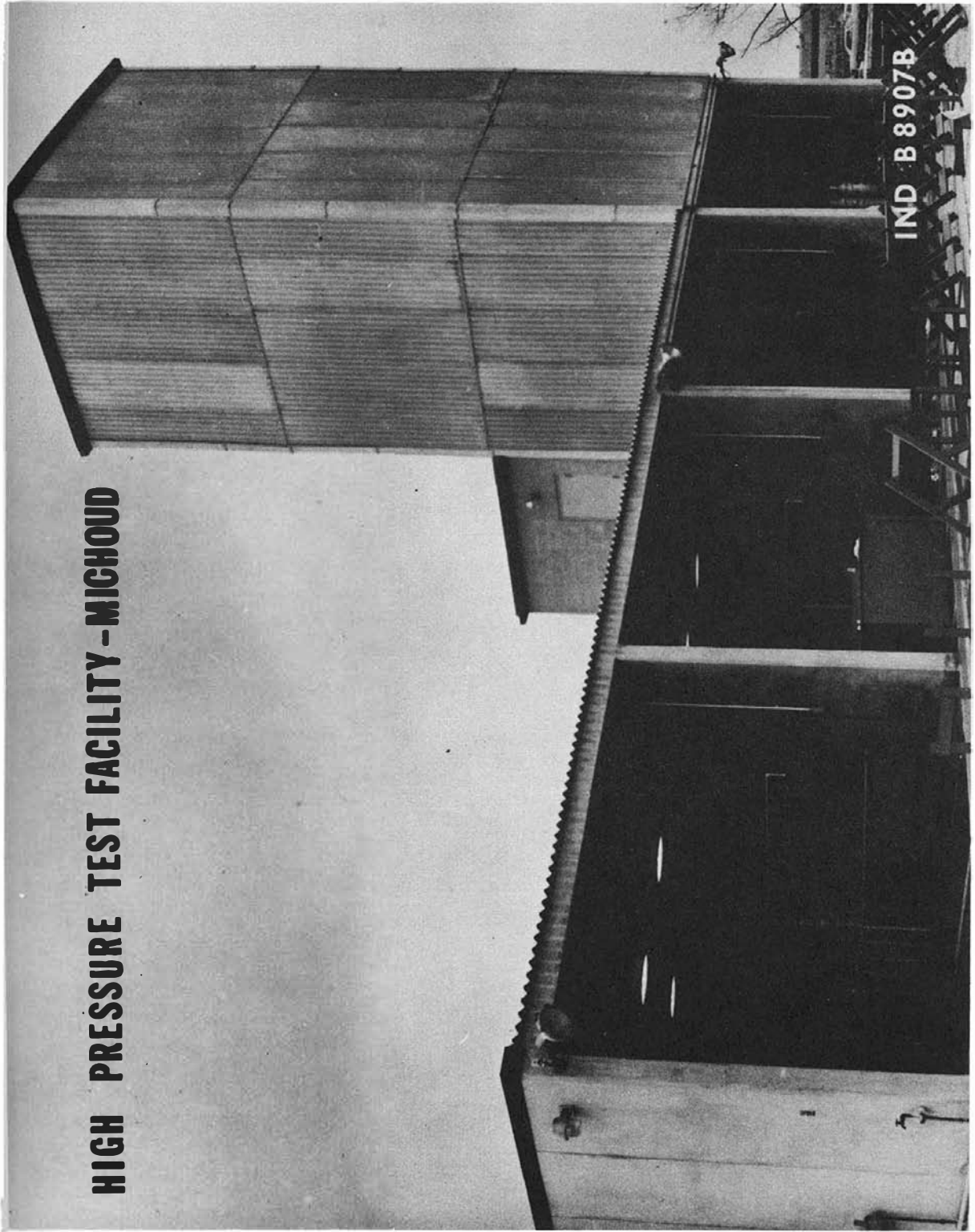
IND B8918F

VERTICAL ASSEMBLY BUILDING - MICHOUD

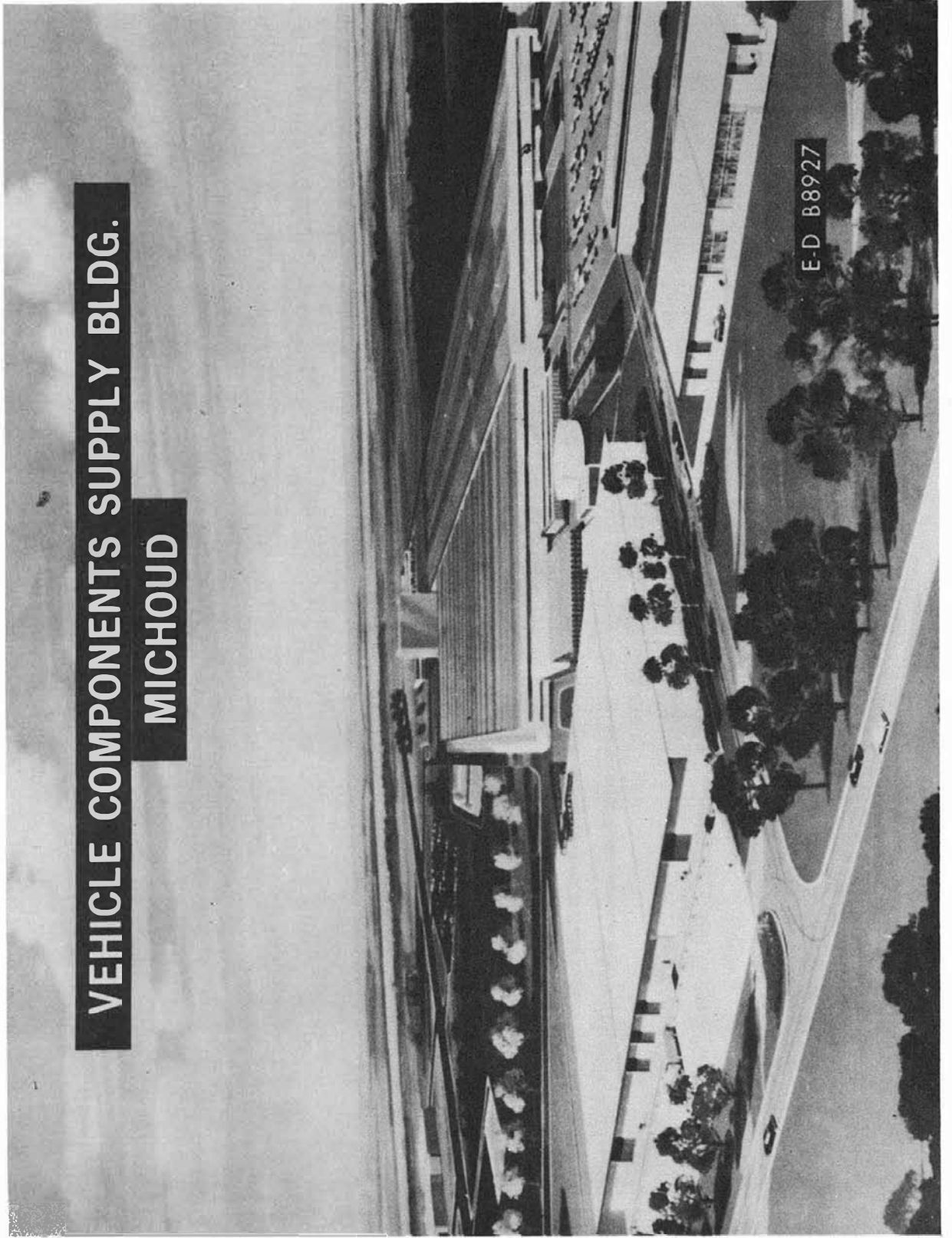




HIGH PRESSURE TEST FACILITY - MICHIGAN



**VEHICLE COMPONENTS SUPPLY BLDG.
MICHIGAN**



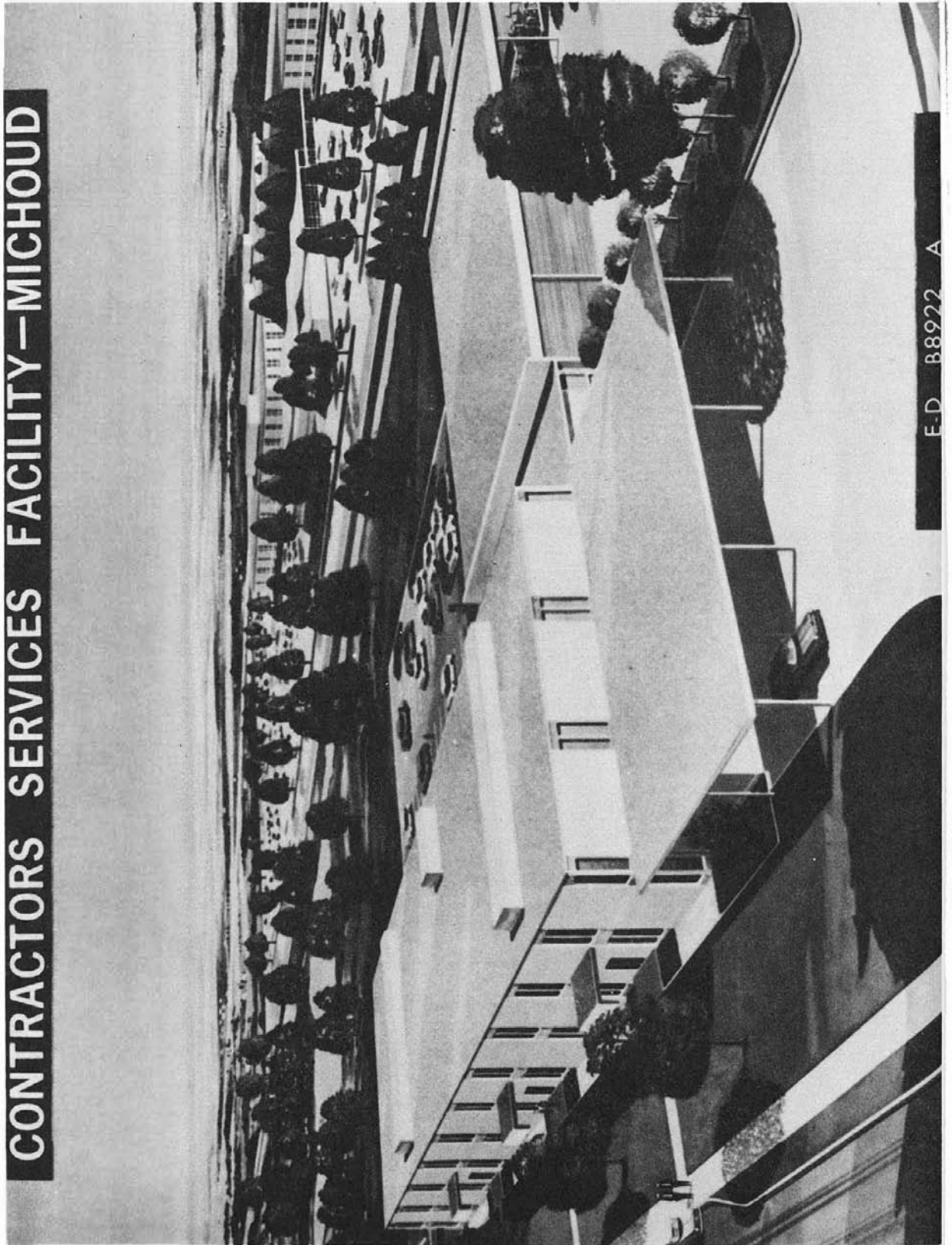
E-D B8927

VEHICLE COMPONENT SUPPLY BLDG - MICHOUUD



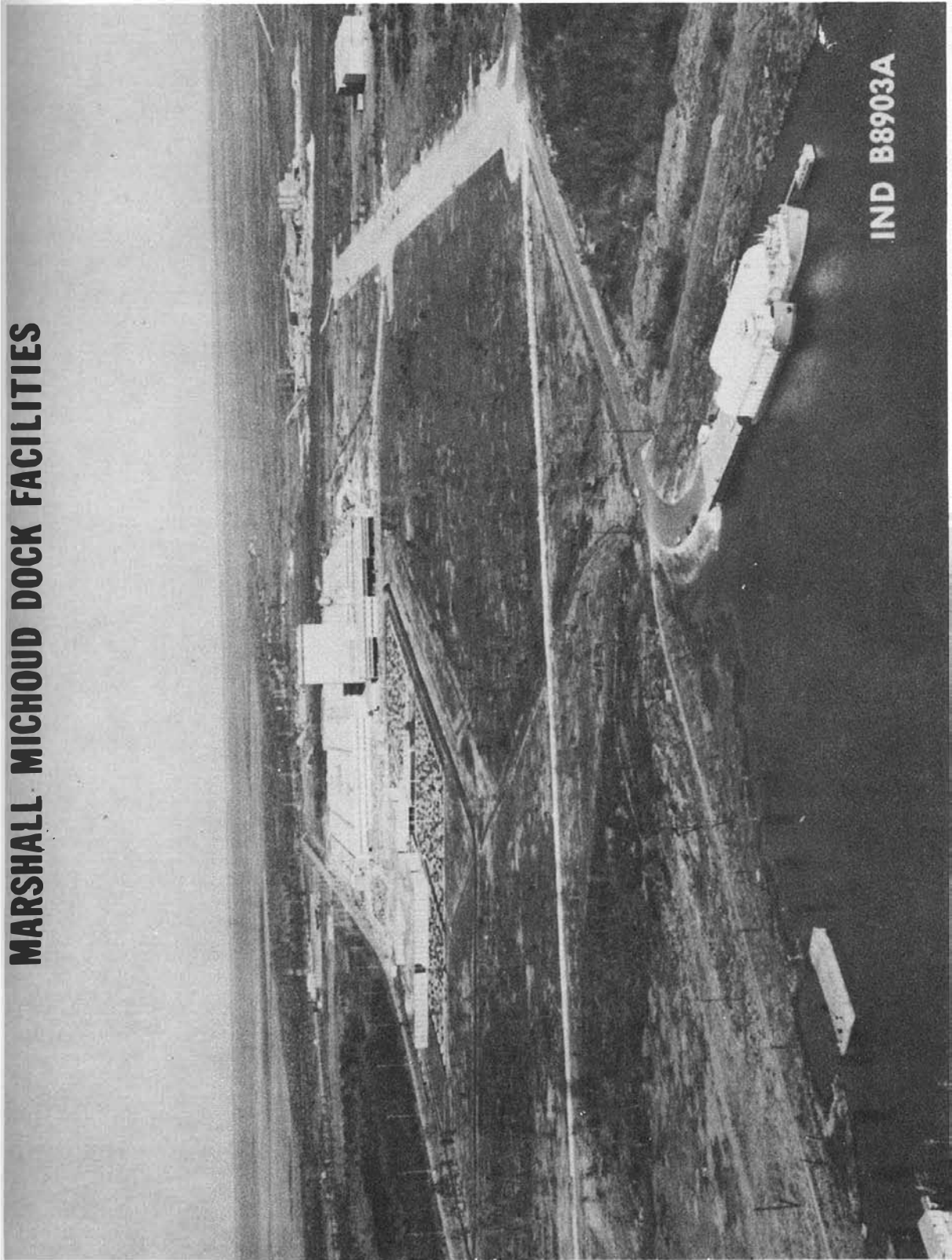
3/65 IND B8921B

CONTRACTORS SERVICES FACILITY - MICHOU



E-D B8922 A

MARSHALL MICHOU D DOCK FACILITIES



IND B8903A

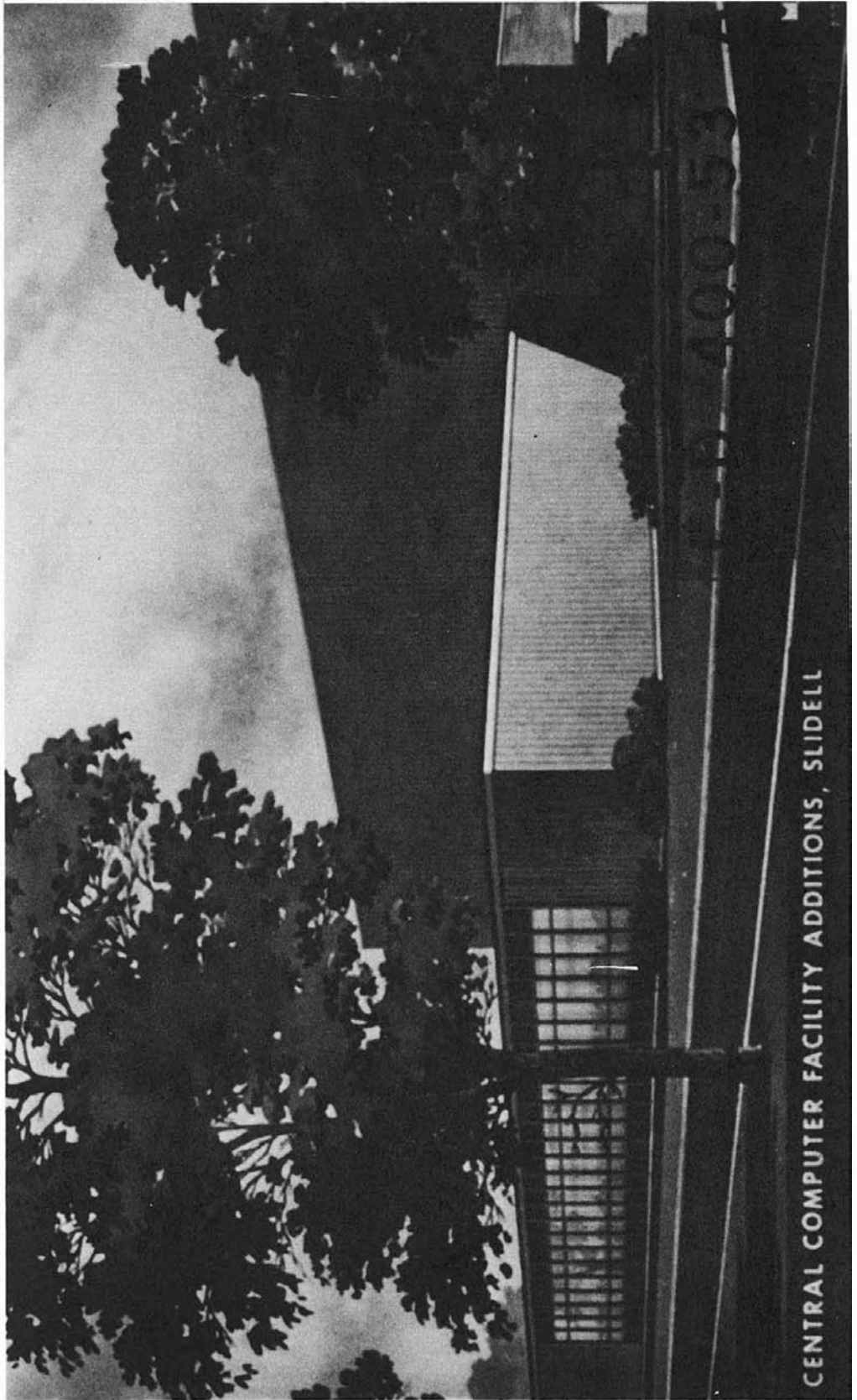
SLIDELL FACILITIES

SLIDELL, LOUISIANA

The MSFC mission for the Central Computer Facility at Slidell, Louisiana is to provide housing and facilities for the digital and analog computers and other data reduction equipment necessary for the operation of a computer center. The Slidell facility, originally constructed by the Federal Aviation Agency, is now owned by NASA and is a part of NASA Michoud Plant Operations at New Orleans, Louisiana. The computer center is contractor operated by Telecomputer Services, Incorporated. The facility's location at Slidell is approximately 20 miles from the Michoud plant and 15 miles from the Mississippi Test Facility. This allows convenient computer service to both installations without duplication of facilities, Modification of existing and construction of new facilities is accomplished at this location directly by MSFC. MSFC will expend approximately \$2,170,000 for construction of facilities at Slidell, using C of F and R & D funds budgeted through FY 1965.

SEIDELL COMPUTER FACILITY



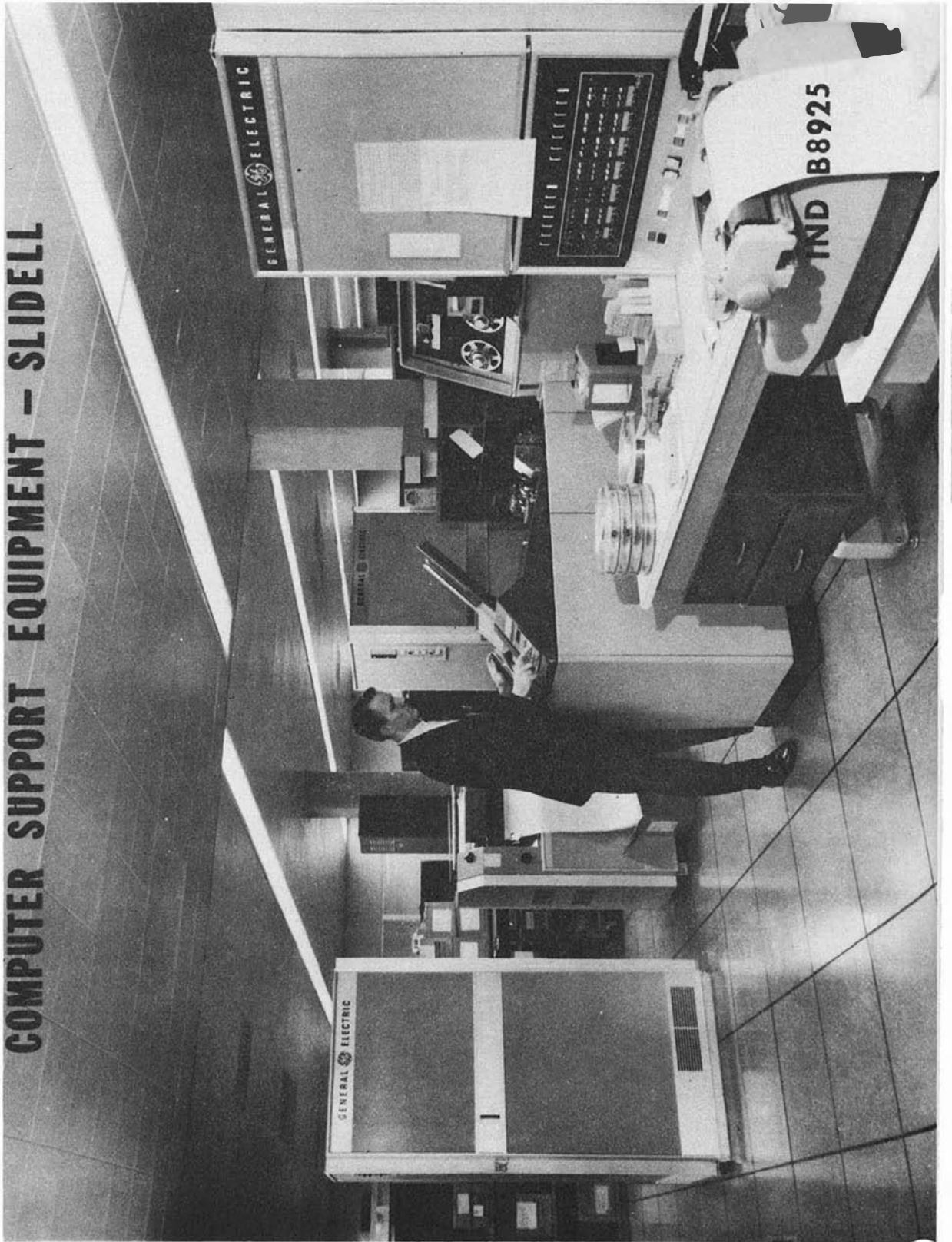


**COMPUTER EQUIPMENT FOR ENGINEERING CONFIGURATION
WORK & RELIABILITY CHECKS SATURN BOOSTER COMPONENTS SLIDELL**



IND B8924

COMPUTER SUPPORT EQUIPMENT - SLIDELL

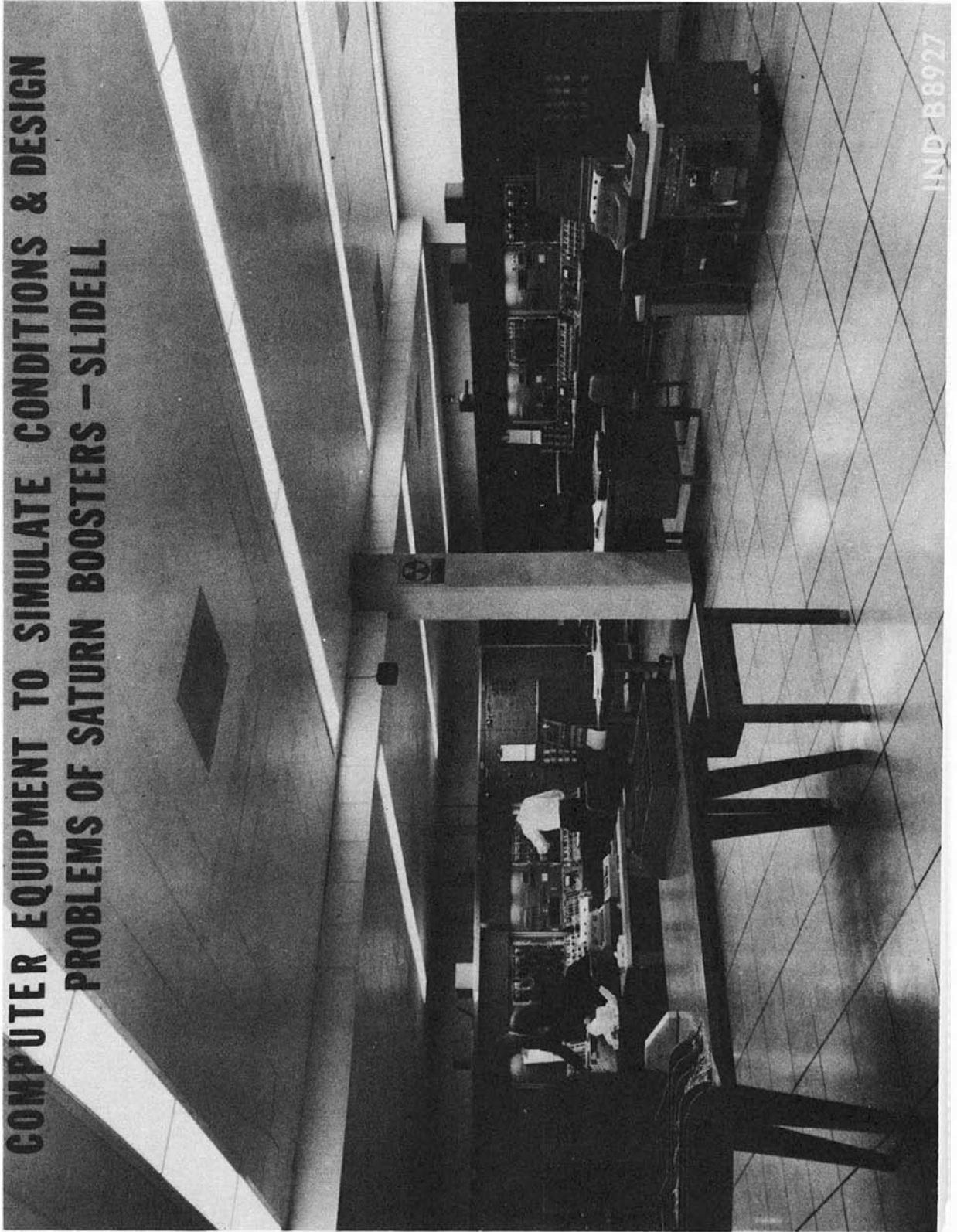


**MANAGEMENT & ENGINEERING DATA
PROCESSING EQUIPMENT SLIDELL**



IND B 8926

**COMPUTER EQUIPMENT TO SIMULATE CONDITIONS & DESIGN
PROBLEMS OF SATURN BOOSTERS -- SLIDELL**



IND-B8927

**MISSISSIPPI TEST OPERATIONS
GENERAL**

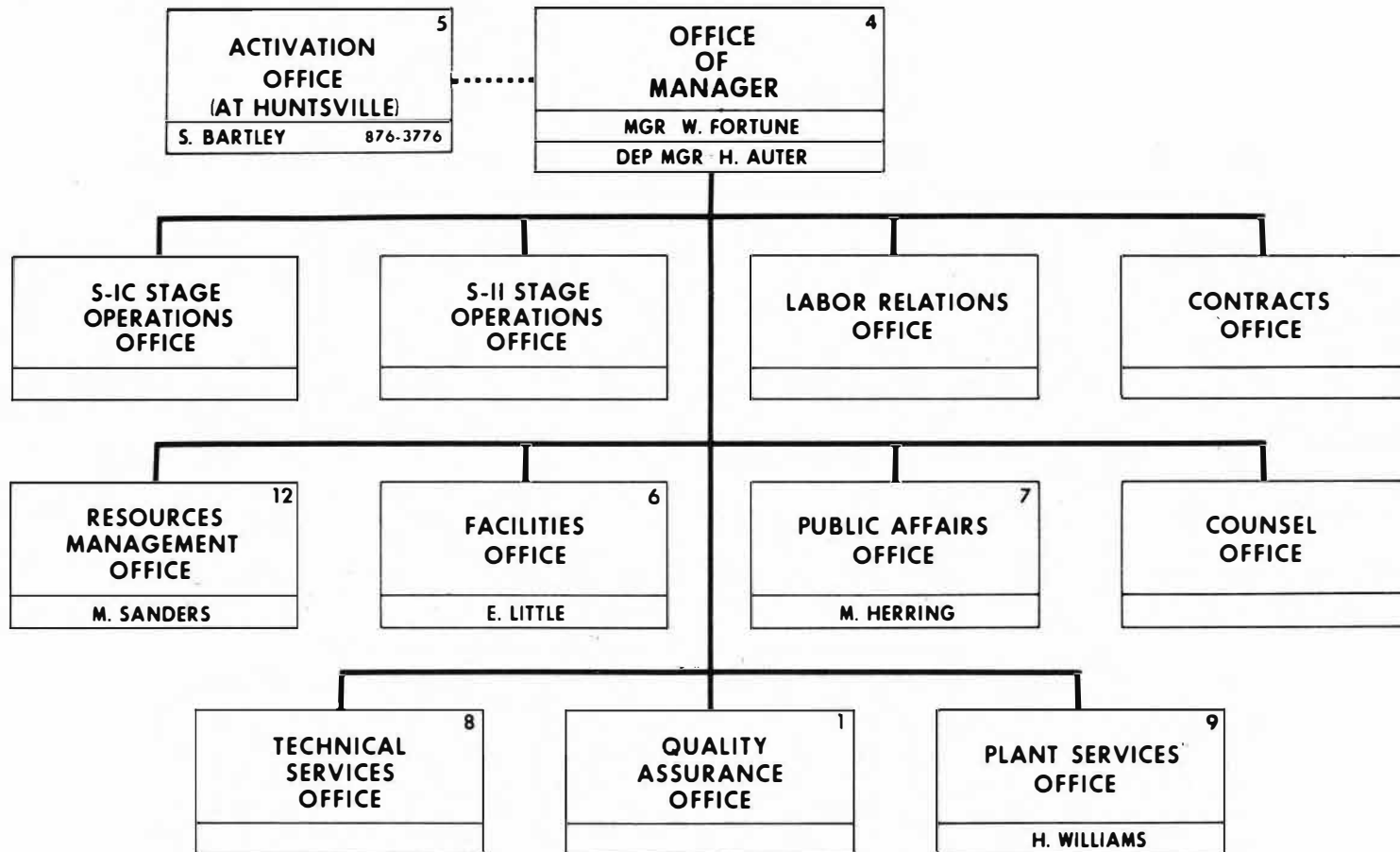
MISSISSIPPI TEST FACILITY

The MSFC mission at the Mississippi Test Facility is the acceptance testing of the first and second (S-IC and S-II) stages of the Saturn V vehicle at the rate of six S-IC and six S-II stages per year. This test facility is located in Hancock County, Mississippi and consists of a 13,428 acre test site surrounded by a 128,526 acre buffer zone. The test site is owned by NASA and restrictive easements which will exclude human habitation in the buffer zone are being obtained. The operational test area provides building space for approximately 456,000 square feet of engineering, laboratory and office space and approximately 368,000 square feet of storage and service space. The test facilities include an S-II stage test complex containing two S-II test stands, an S-IC test complex consisting of one dual S-IC test stand and all utilities and support facilities necessary to their operation. Most of the support facilities are grouped into three support areas consisting of a laboratory and engineering complex, an industrial complex and a components service complex.

The test site is provided with a navigable channel from the Pearl River which allows water transportation for the assembled stages from the Michoud Plant at New Orleans, Louisiana where the S-IC stage is assembled and from Seal Beach, California where the S-II stage is assembled. This channel is equipped with the necessary locks, docking facilities and branch channels to permit water access for each stage to its respective test complex where it can be lifted directly from its barge onto the test stand. A cryogenic dock and storage area is also provided to facilitate water transportation of liquid propellants. Land acquisition for NASA and construction of facilities by MSFC at the Mississippi Test Facility is accomplished through the U. S. Army Corps of Engineers, Mobile District. Preparation of criteria and the design, fabrication, installation and check-out of technical systems is performed directly by MSFC. MSFC will expend approximately \$256,000,000 for land acquisition and construction of facilities at the Mississippi Test Facility, using funds budgeted through FY 1965.

GEORGE C. MARSHALL SPACE FLIGHT CENTER
INDUSTRIAL OPERATIONS
MISSISSIPPI TEST OPERATIONS

OO=VOUCHERD CIVIL
 SERVICE SPACES



70

MSFC - MISSISSIPPI TEST OPERATIONS GENERAL DATA

CONSTRUCTION STATUS			
PROJECT	PERCENT COMPLETE	BOD	OPERATIONAL
LAB & ENGR BUILDING	93	MAR 65	SEPT 65
S-II COMPLEX A-2	73	AUG 65	APR 66
S-II COMPLEX A-1	7	MAY 66	APR 67
S-IC COMPLEX B-2	10	JAN 66	JUL 66
S-IC COMPLEX B-1	0	JAN 67	JUL 67
DATA AQUISITION FACILITY	97	APR 65	JAN 66
CENTRAL CONTROL BUILDING	87	MAY 65	OCT 67
NAV. LOCK & LOCK WATER SUPPLY	92	JUN 65	JUL 65
MAIN CANAL	92	MAY 65	JUL 65
BOOSTER STORAGE BUILDING	93	APR 65	APR 65
ROADS, RAILROADS & UTILITIES	99	FEB 66	JUL 66
ELECTRONICS, INSTRUMENTATION & MATERIALS LAB	67	JUL 65	SEPT 65
TEST MAINTENANCE BUILDING	63	JUN 65	SEPT 65

PERSONNEL & CONTRACTOR			
OPERATIONAL CONTRACTOR	PERSONNEL		MISSION
	H'VILLE	MTO	
GENERAL ELECTRIC	111	432	PLANT & TEST SUPPORT PHASE II & III TECH SYS FACILITIES
BOEING CO.	112	8	
NORTH AMERICAN	2	88	S-IC S-II
SUB-CONTRACTORS		162	SUPPORT
GOVERNMENT (C.S.)	9	40	MANAGEMENT & CONTRACT SURVEILLANCE
CONSTRUCTION CONTRACTOR		1,737	CONSTRUCTION
CORPS OF ENG	1	164	CONSTRUCTION
TOTAL	235	2,631	

FACILITIES FUNDING BY YEAR	
YEAR	FUNDED
THRU 1963	100,673,000
1964	96,163,300
1965	59,025,500
TOTAL	255,861,800

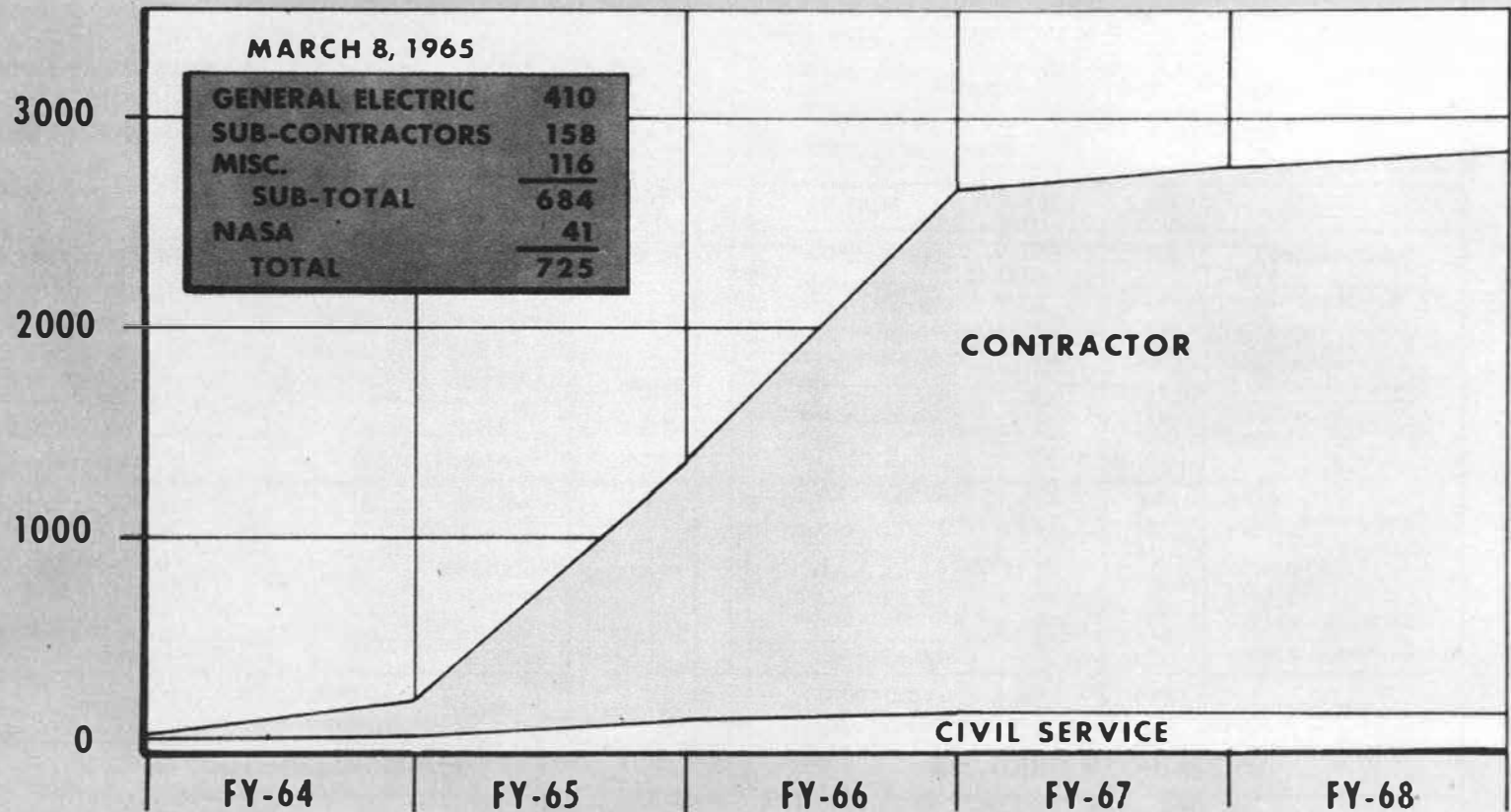
LAND ACQUISITION		
AREA	TOTAL	COST
FEE	13,427*	} \$16,977,400
BUFFER	125,344*	
*ACRES		

I-RM-D MAR 25, 1965 IND B7826D

MTO PERSONNEL TREND

PERSONNEL

72

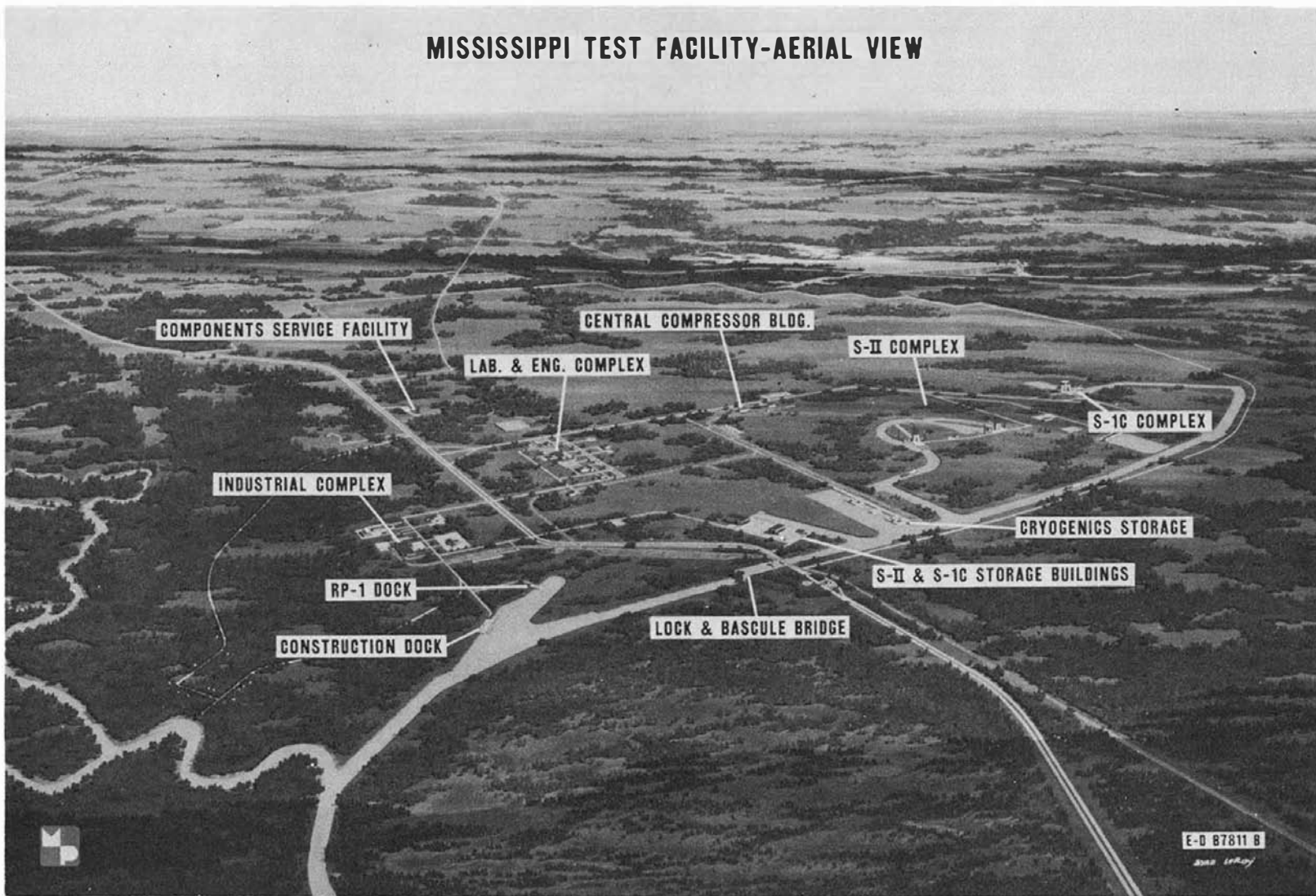


NOTE: 1. EXCLUDES CONSTRUCTION PERSONNEL-1,744
 2. EXCLUDES CORPS OF ENGINEERS - 164

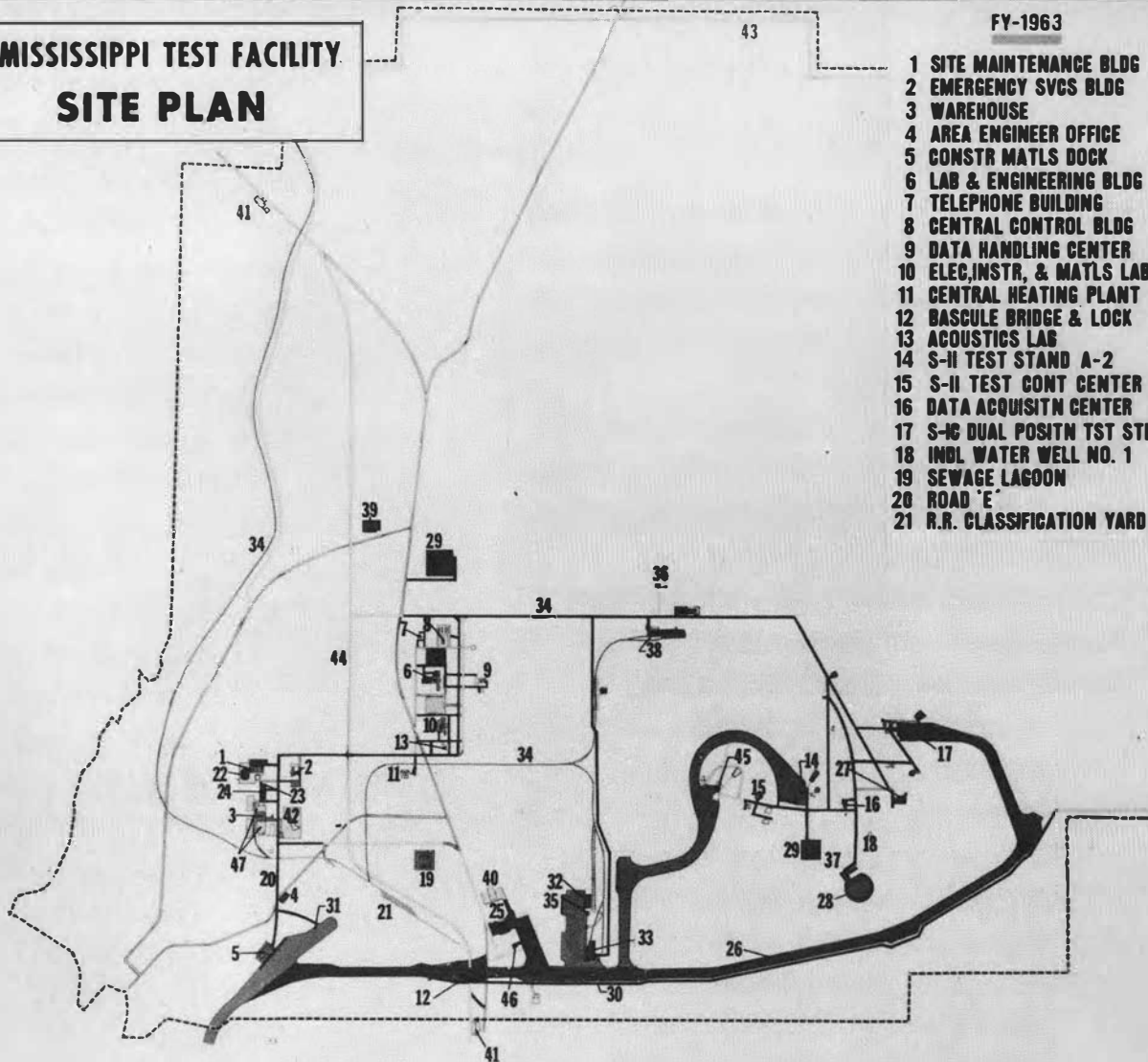
RUTLEDGE E-R MARCH 15, 1965 E-D B 528 N

MISSISSIPPI TEST FACILITIES

MISSISSIPPI TEST FACILITY-AERIAL VIEW



MISSISSIPPI TEST FACILITY SITE PLAN



FY-1963

- 1 SITE MAINTENANCE BLDG
- 2 EMERGENCY SVCS BLDG
- 3 WAREHOUSE
- 4 AREA ENGINEER OFFICE
- 5 CONSTR MATLS DOCK
- 6 LAB & ENGINEERING BLDG
- 7 TELEPHONE BUILDING
- 8 CENTRAL CONTROL BLDG
- 9 DATA HANDLING CENTER
- 10 ELEC, INSTR, & MATLS LAB
- 11 CENTRAL HEATING PLANT
- 12 BASCULE BRIDGE & LOCK
- 13 ACOUSTICS LAB
- 14 S-II TEST STAND A-2
- 15 S-II TEST CONT CENTER
- 16 DATA ACQUISITN CENTER
- 17 S-IC DUAL POSITN TST STD
- 18 INDL WATER WELL NO. 1
- 19 SEWAGE LAGOON
- 20 ROAD 'E'
- 21 R.R. CLASSIFICATION YARD

FY-1964

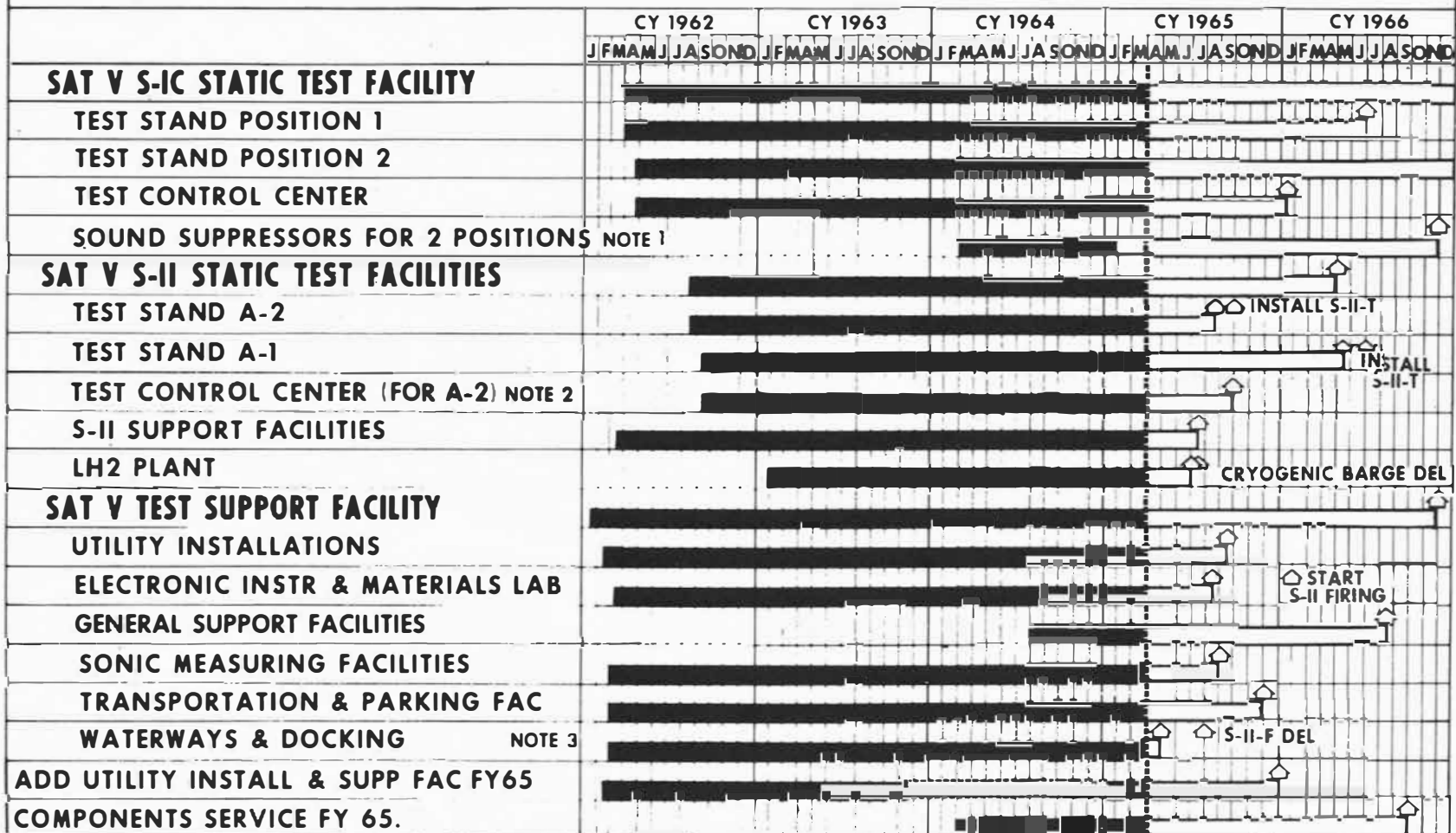
- 22 TEST MAINTENANCE BLDG
- 23 WELD MATL STOR BLDG
- 24 INFLAMM. MATL STOR BLDG
- 25 S-IC BOOSTER STOR BLDG
- 26 MAIN CANAL
- 27 S-IC TST CONTR CENTER
- 28 SETTLING BASIN
- 29 SEWAGE LAGOON
- 30 PATROL ROAD
- 31 RP-1 DOCK
- 32 LR 2 STOR AREA
- 33 LOX STORAGE AREA
- 34 ROADS & RAILROADS
- 35 LN2 CONTROL BLDG
- 36 METEOROLGY BLDG
- 37 HIGH PRESS WATER PUMP
- 38 CENTRAL COMPR BLDG.

FY-1965

- 39 COMPONENT SERVICE FAC
- 40 S-II STAGE C/D & STORAGE BLDG.
- 41 SO. & NO. RECEPTN CENTER
- 42 MOBILE EQUP MAINT FAC
- 43 PATROL ROAD
- 44 ROAD 'K'
- 45 S-II TEST STAND A-1 FOUNDATION FUNDED FY 64
- 46 CRYOGENIC DARGE SER. BLDG.
- 47 WAREHOUSE ADDITION

75

MSFC FACILITIES - MAJOR PROJECTS SCHEDULE - MISSISSIPPI

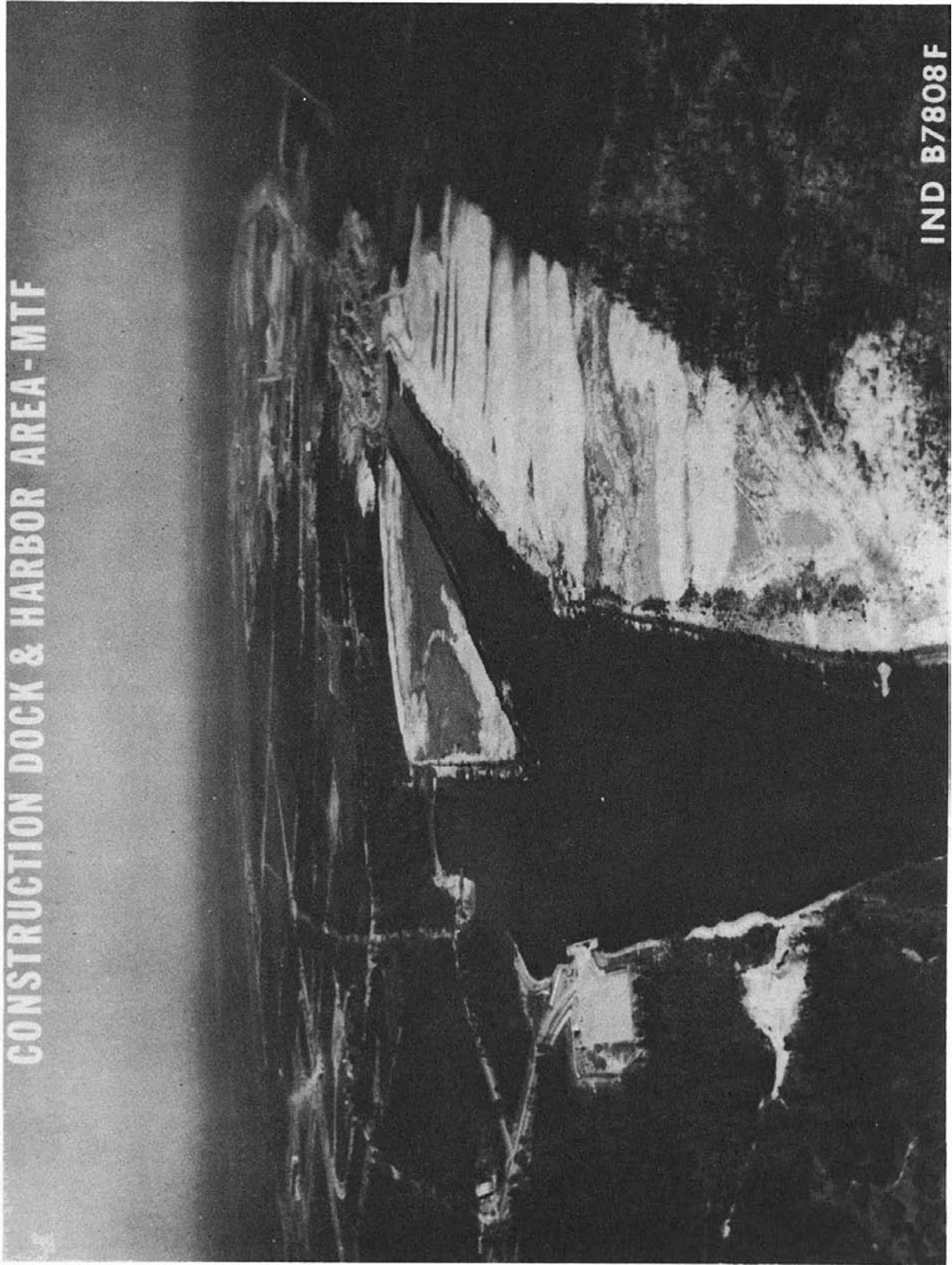


NOTES ARROW AT END OF BAR INDICATES CONSTRUCTION COMPLETED INCLUDING INSTALLATION OF TECHNICAL EQUIPMENT.

1. DELAYED UNTIL NEED ESTABLISHED.
2. ANTICIPATED COMPLETION MAY 1966.
3. WEATHER HAS DELAYED COMPLETION UNTIL MAY

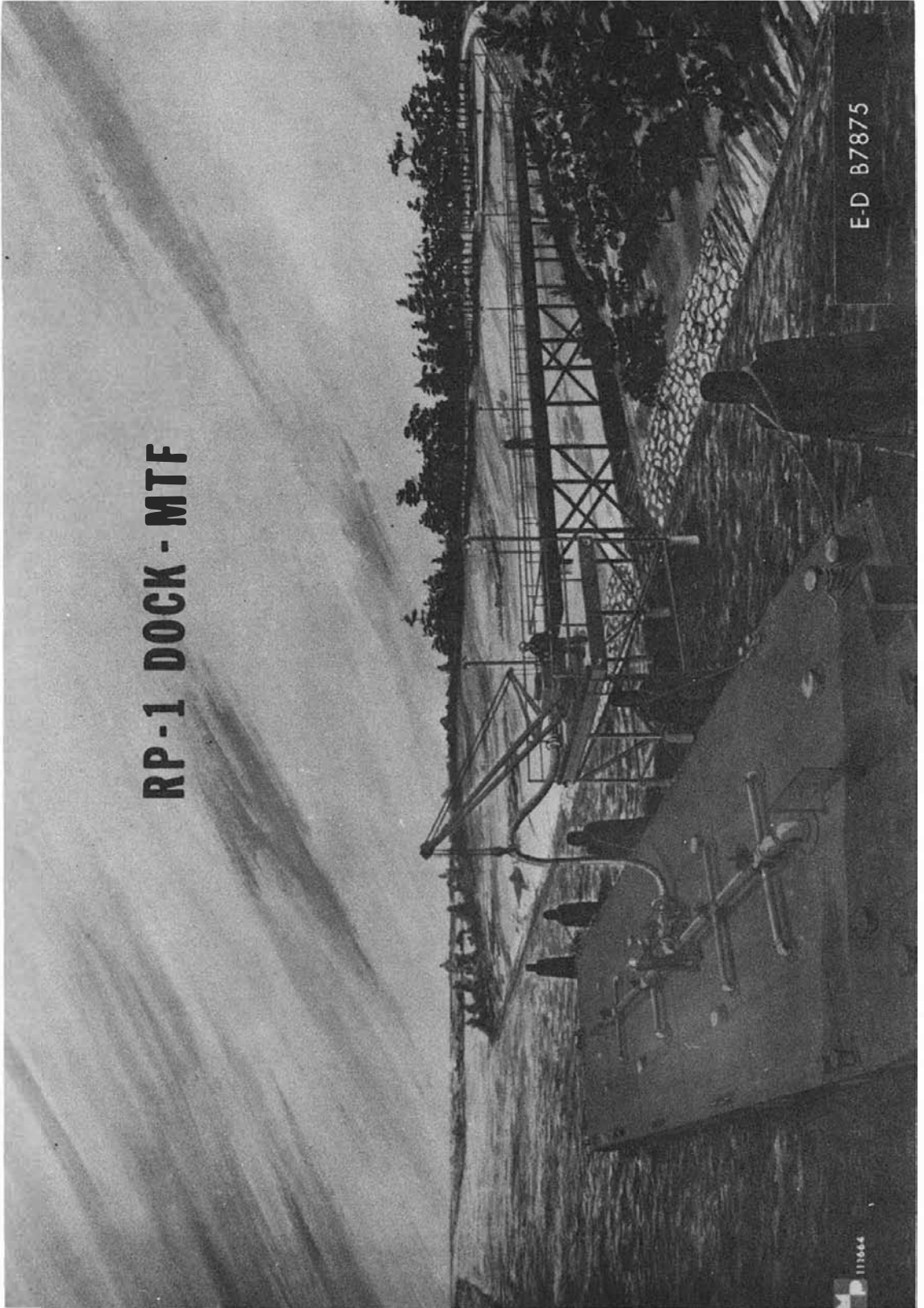
<p>□ SCHEDULE</p> <p>■ PROGRESS</p>	<p>△ CURRENT SCHEDULE</p> <p>▲ EVENT ACCOMPLISHED</p>
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CONSTRUCTION DOCK & HARBOR AREA - MTF



IND B7808F

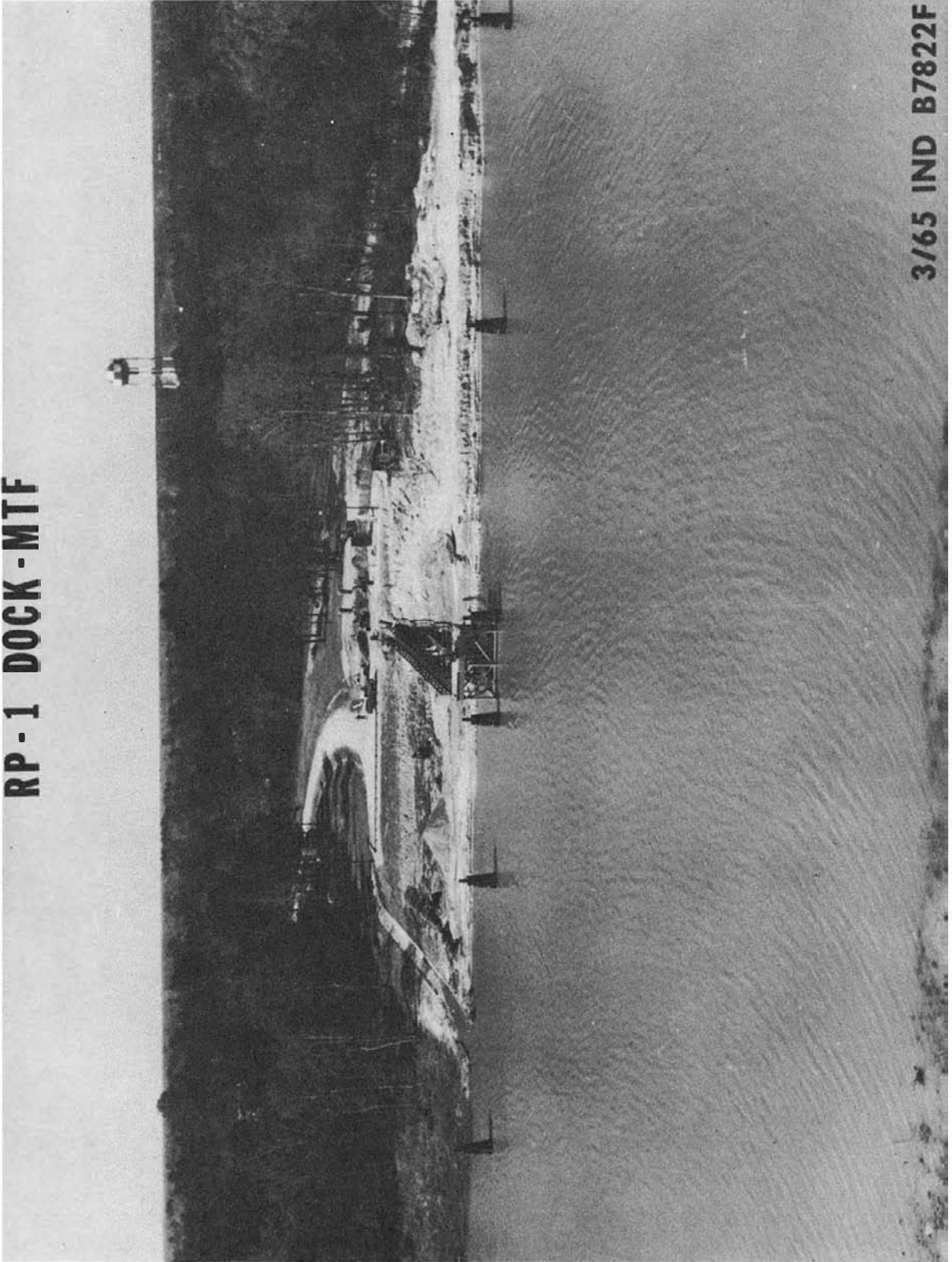
RP-1 DOCK - MTF



E-D B7875

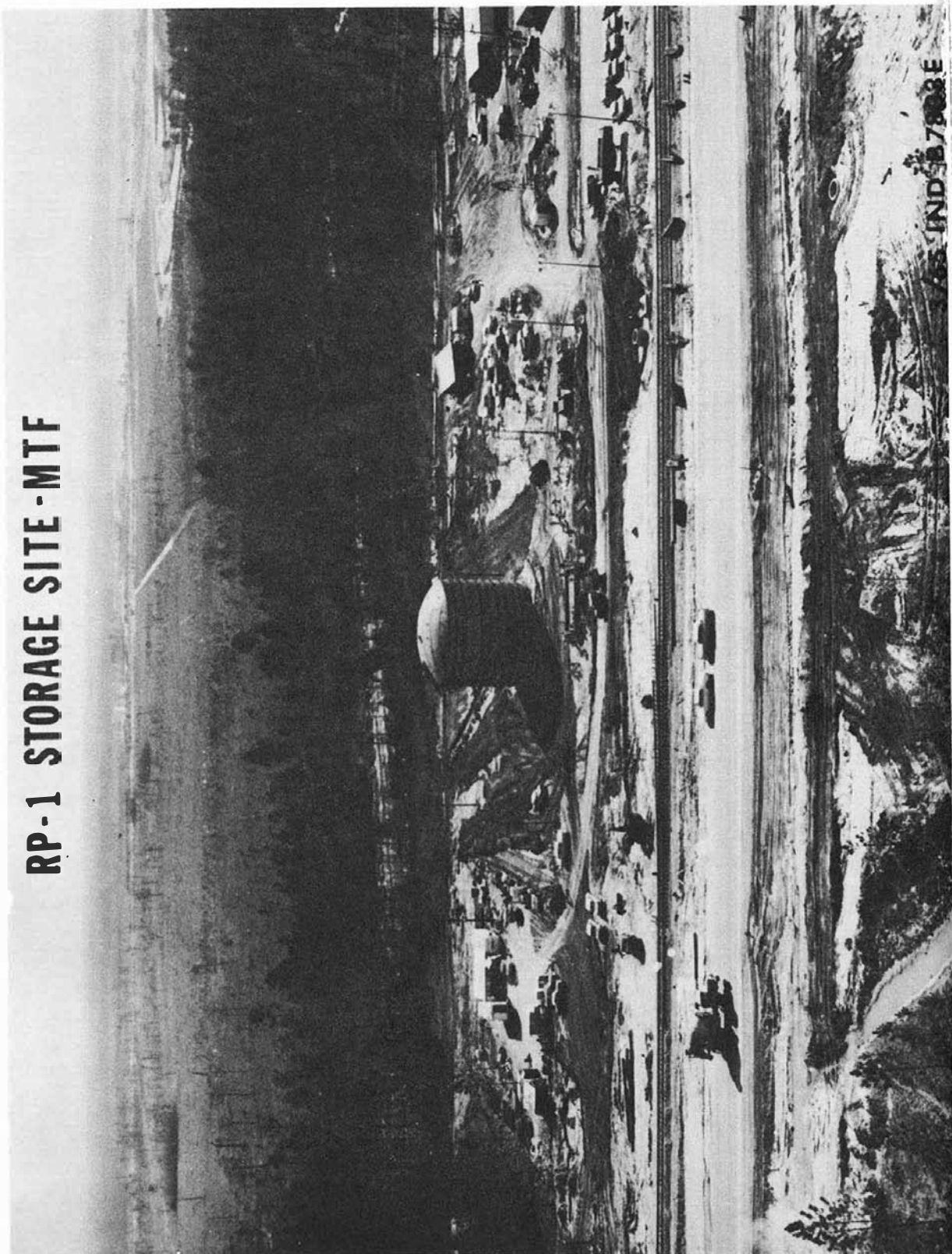
111664

RP-1 DOCK - MTF



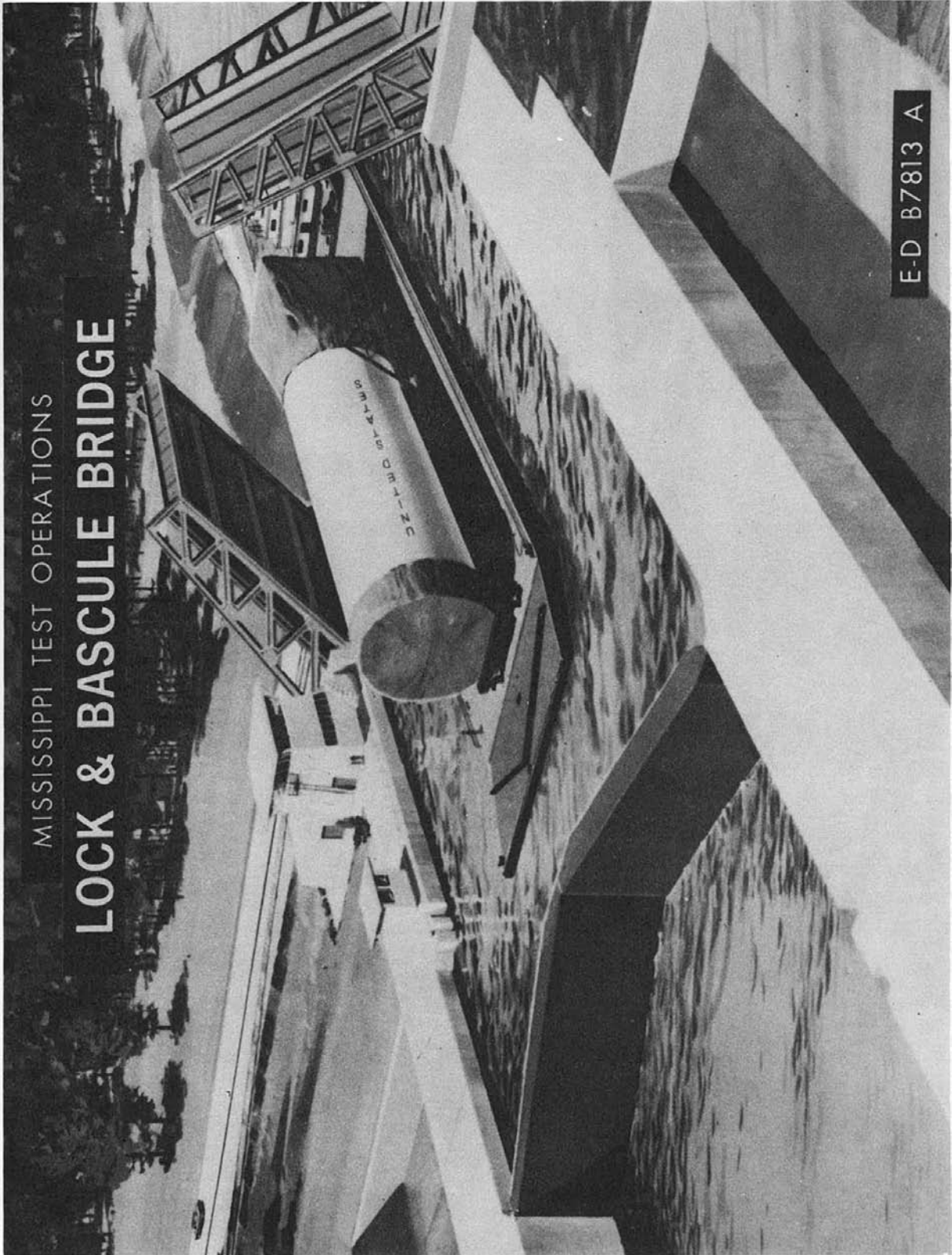
3/65 IND B7822F

RP-1 STORAGE SITE - MTF



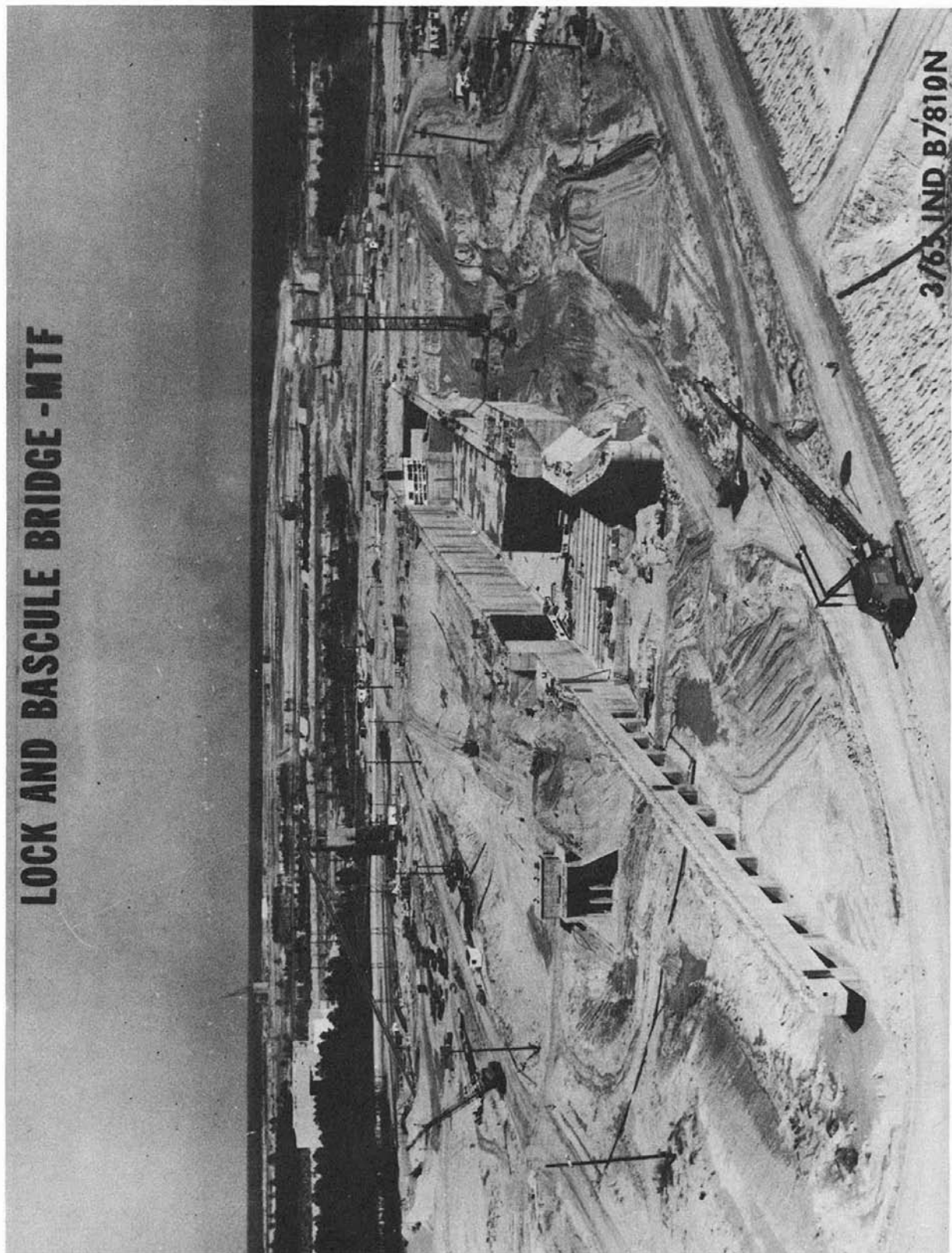
MISSISSIPPI TEST OPERATIONS

LOCK & BASCULE BRIDGE



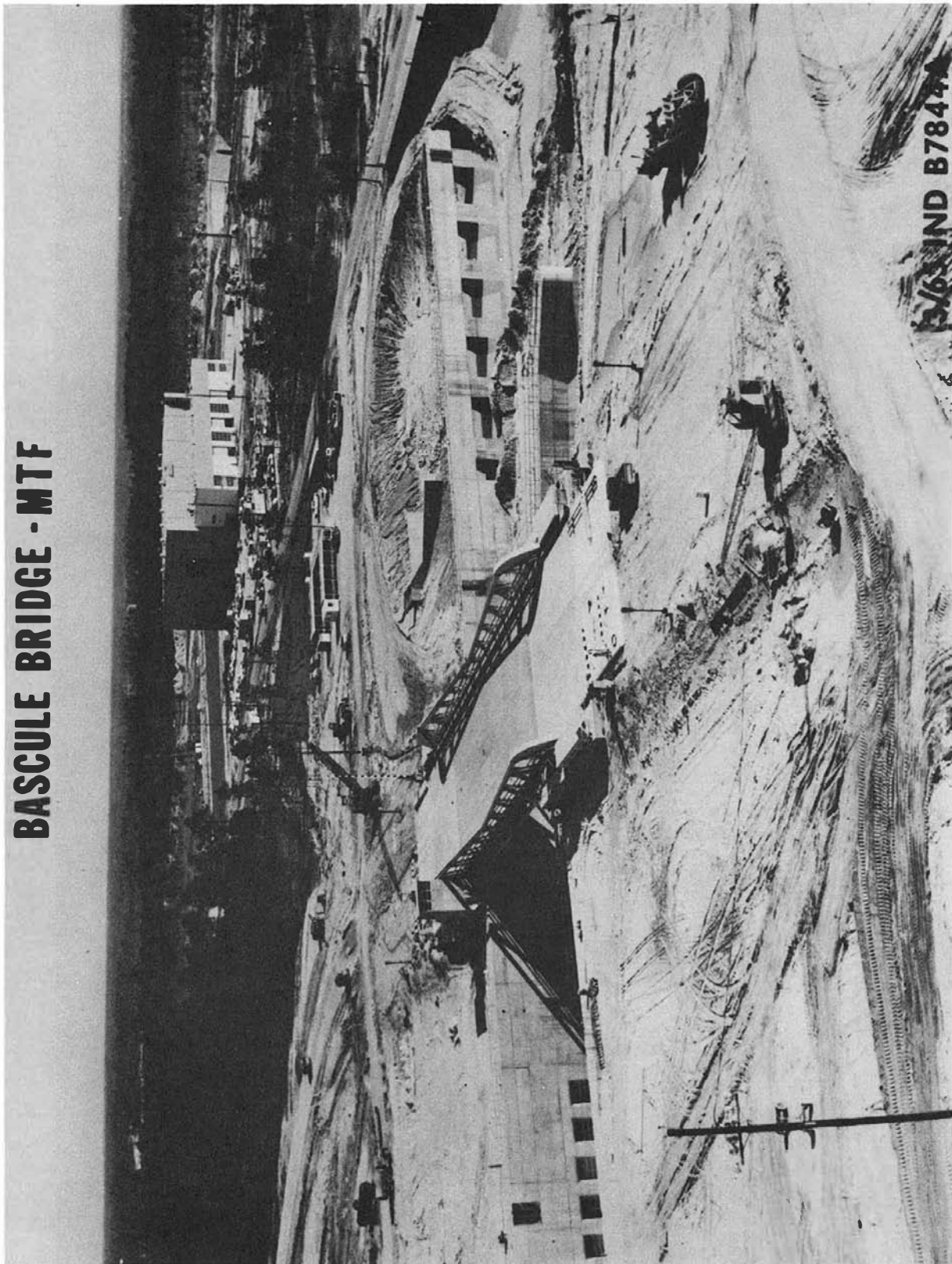
E-D B7813 A

LOCK AND BASCULE BRIDGE - MTF



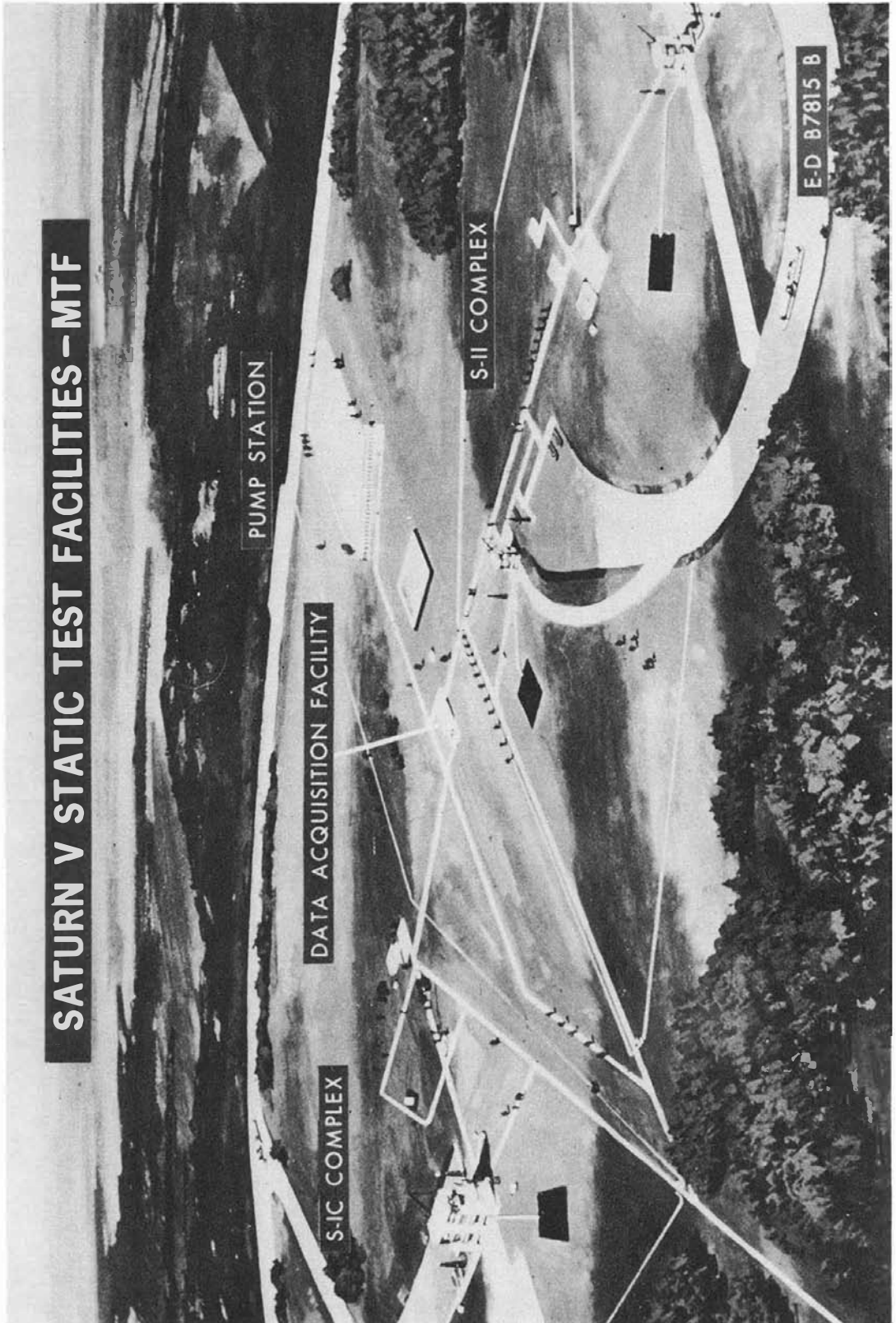
3/63 IND B7810N

BASCULE BRIDGE - MTF

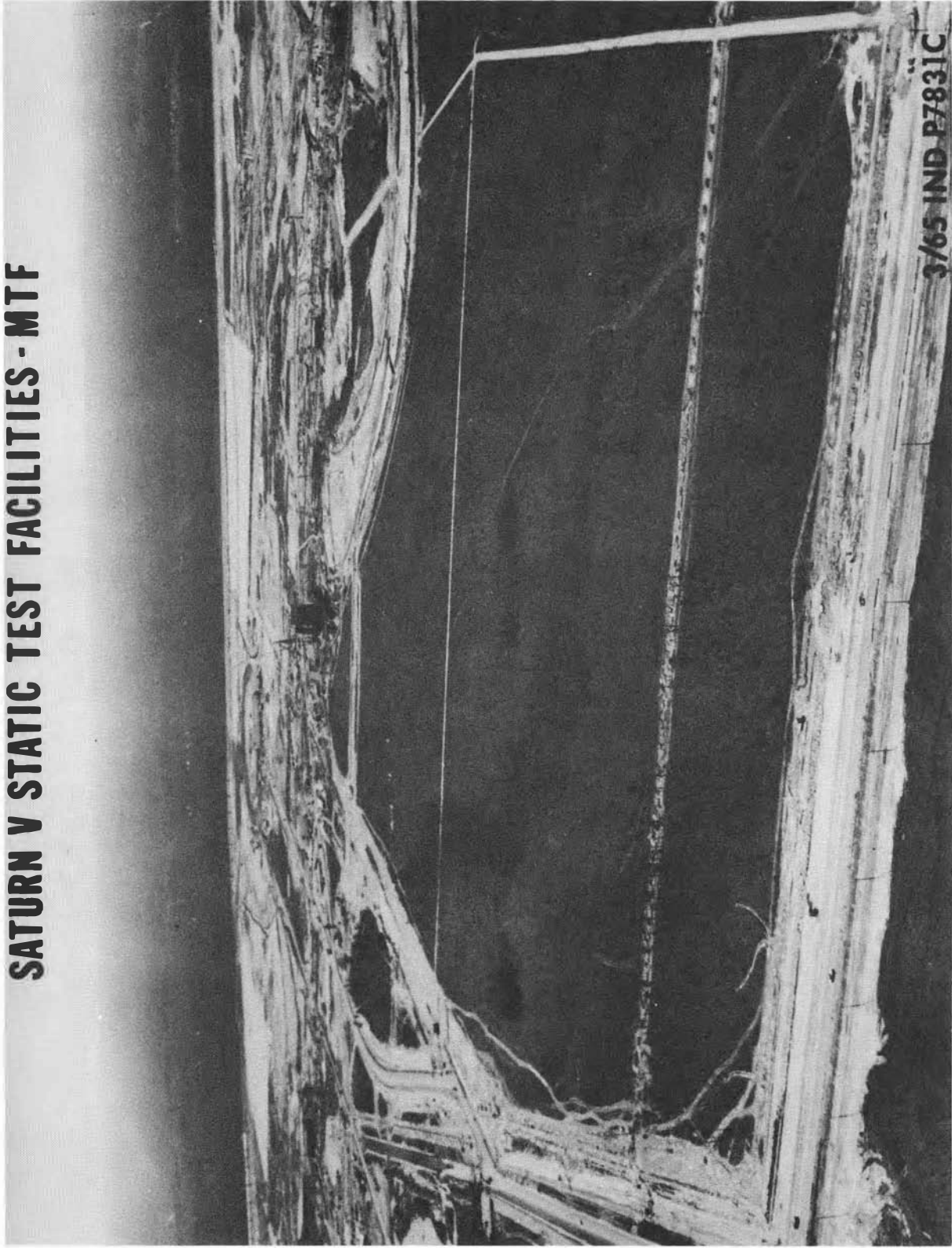


3/6/63 IND B7844

SATURN V STATIC TEST FACILITIES - MTF



SATURN V STATIC TEST FACILITIES - MTF



3/65 IND P7831C



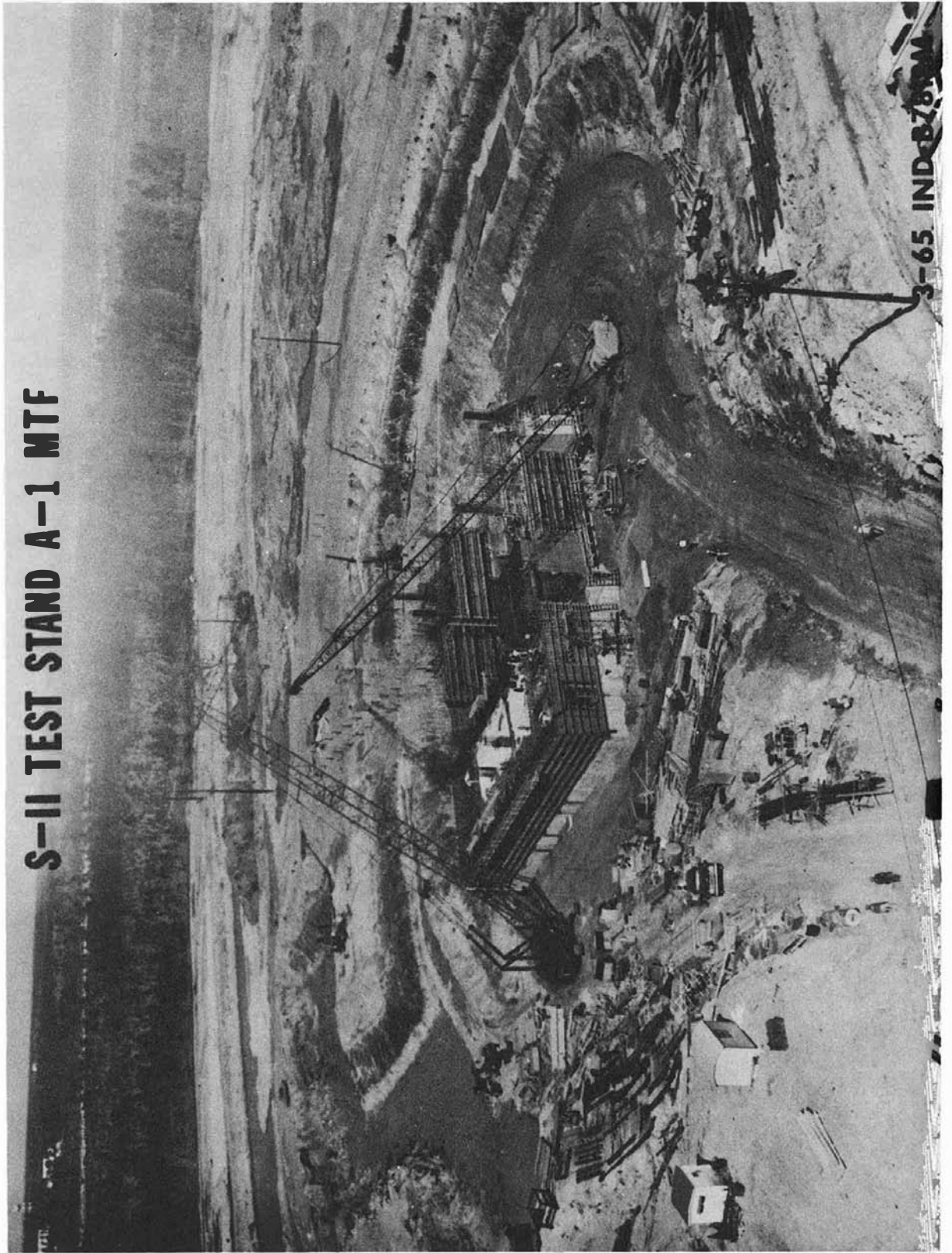
S-II TEST STAND-MTF

E-D 7816 A

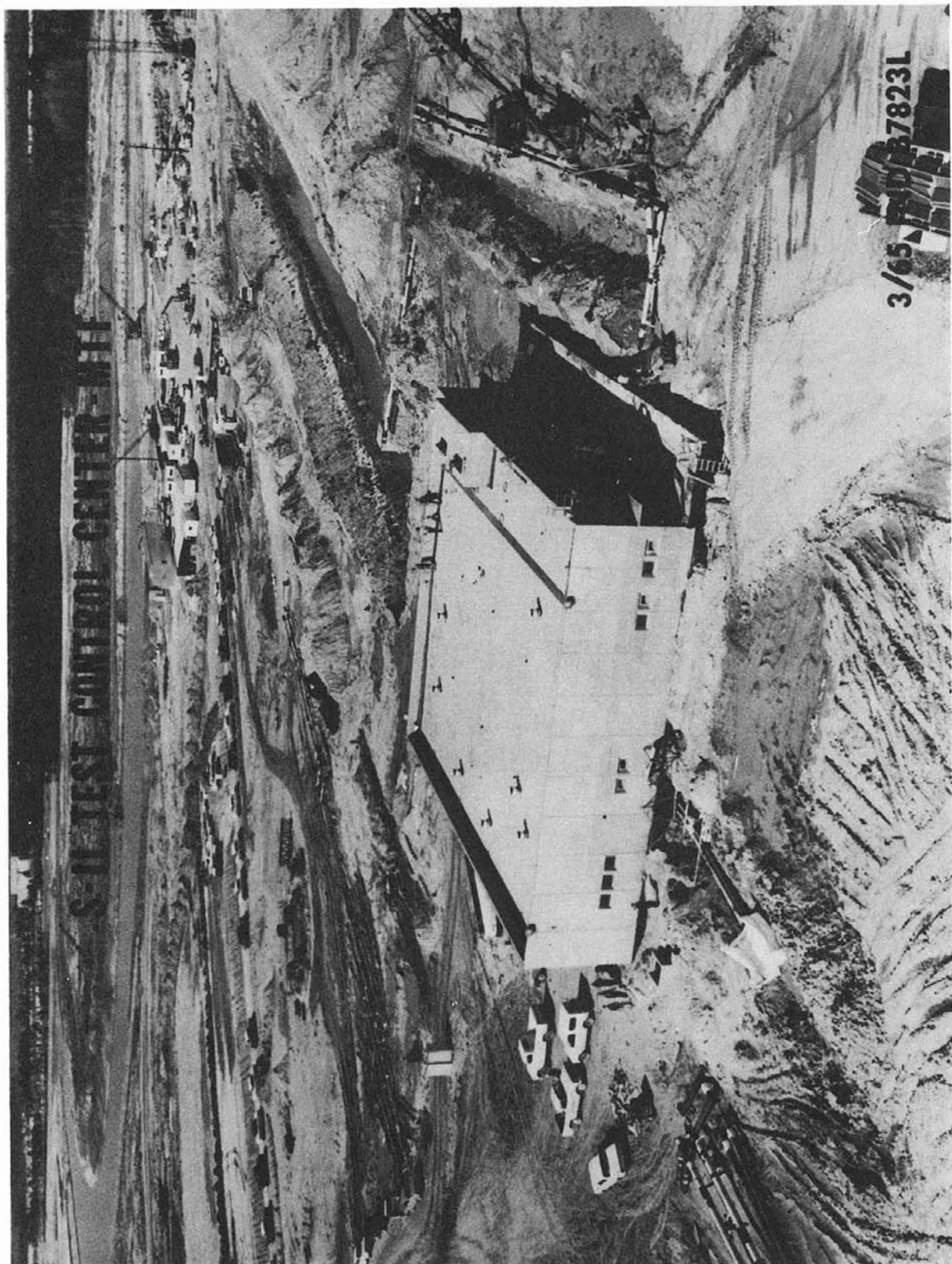
S-II TEST STAND A-2-MTF



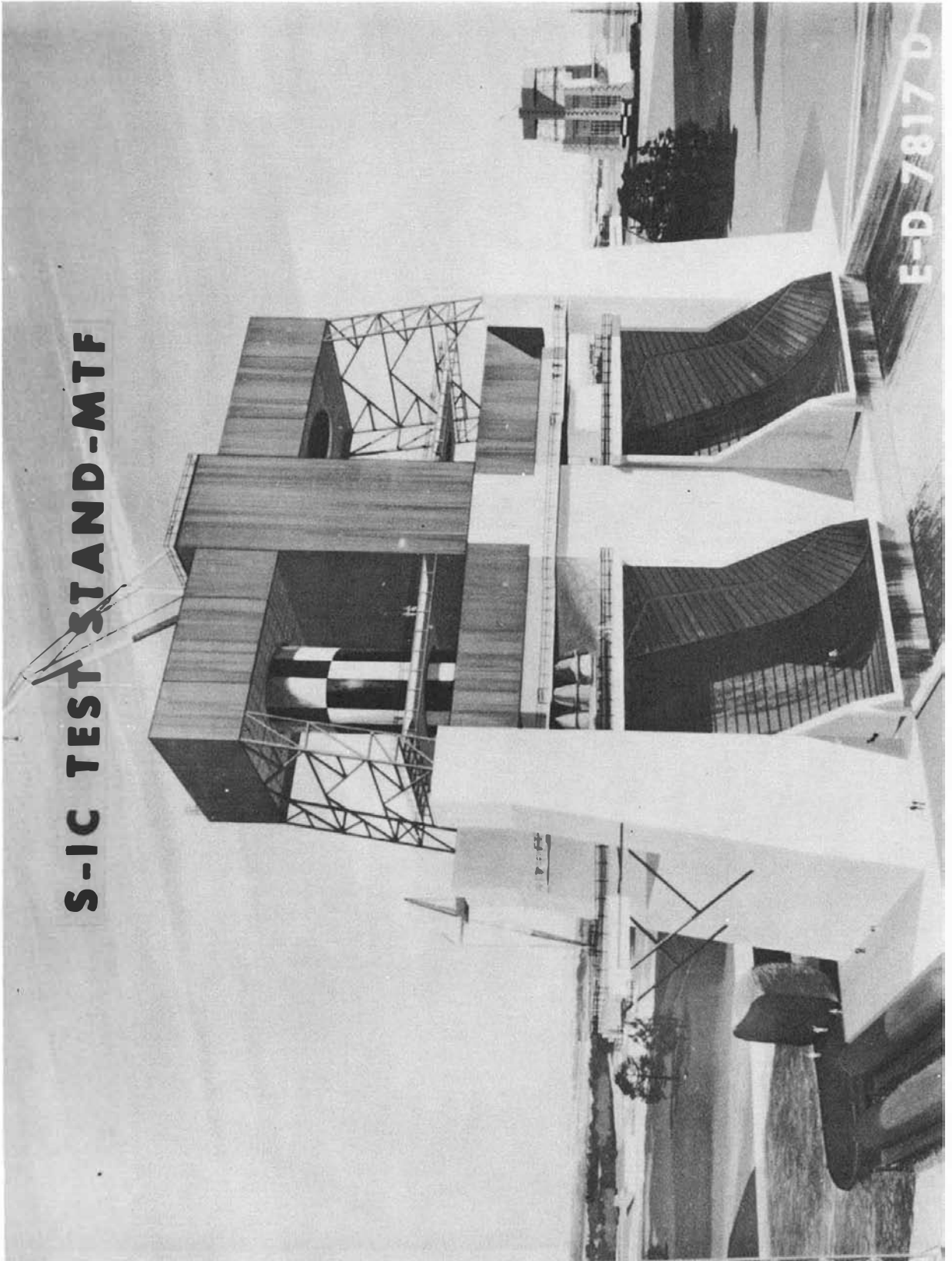
S-II TEST STAND A-1 MTF



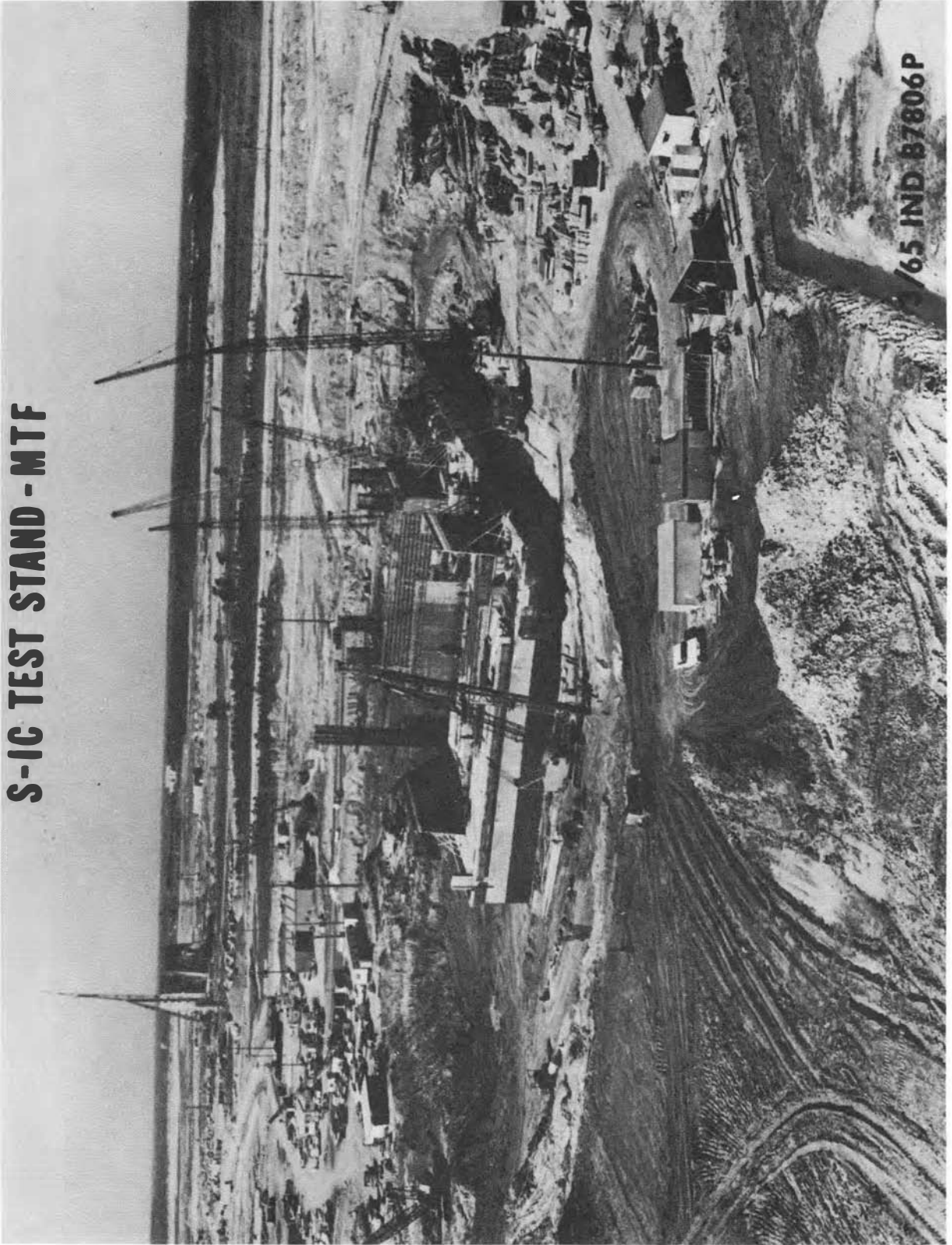
3-65 INDBZ/8M



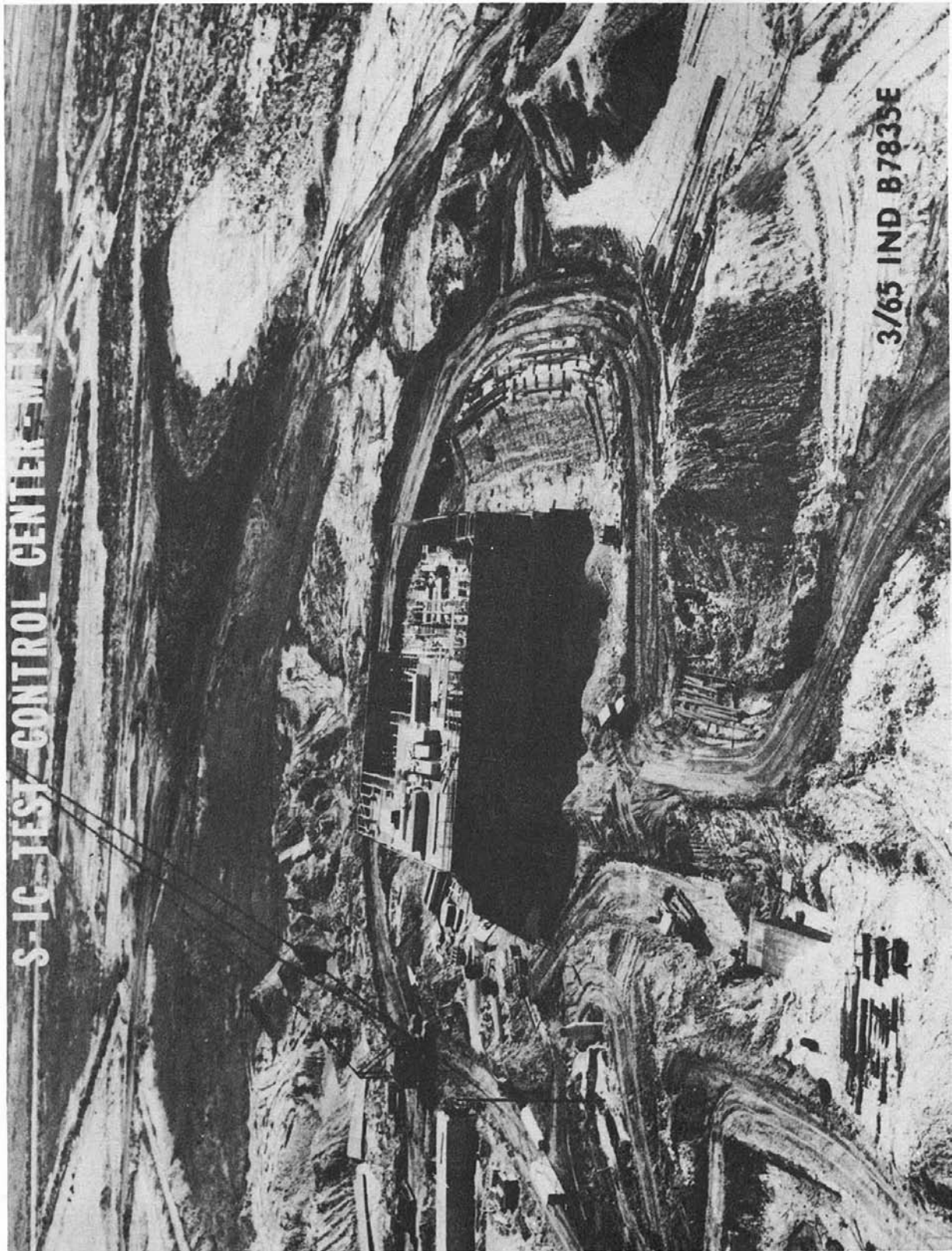
S-IC TEST STAND-MTF



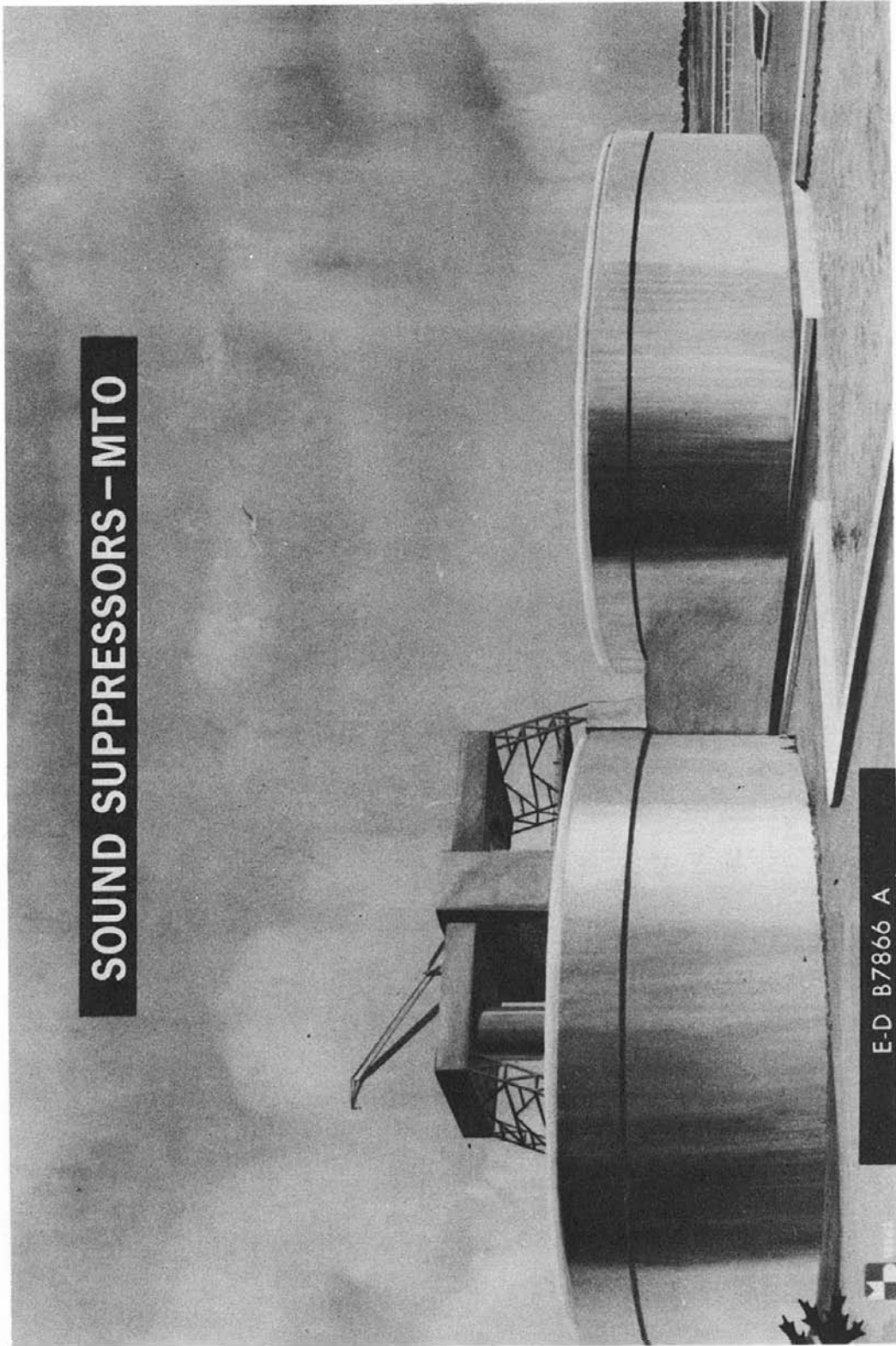
S-IC TEST STAND - MTF



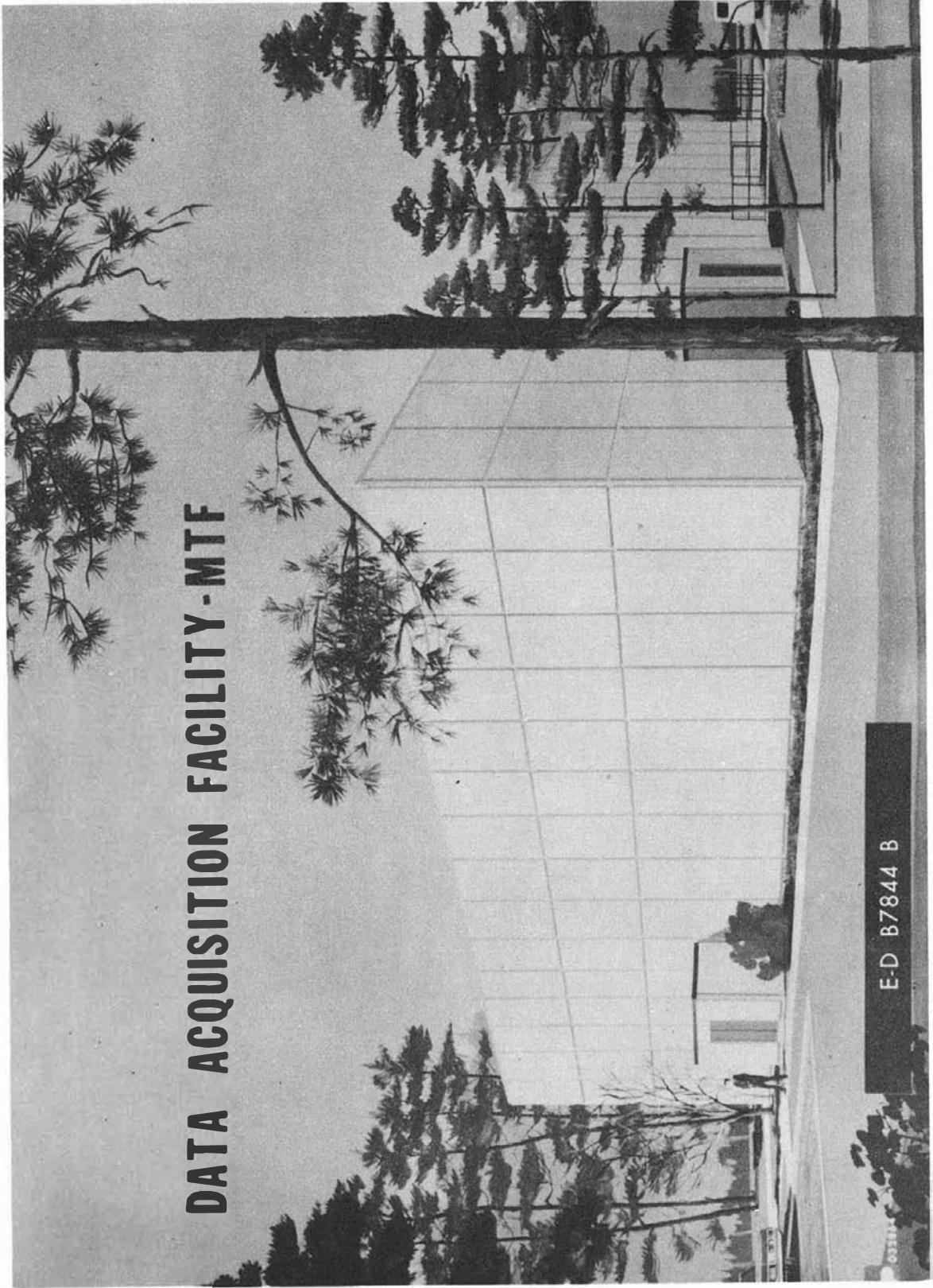
65 IND 87806P



SOUND SUPPRESSORS - MTO



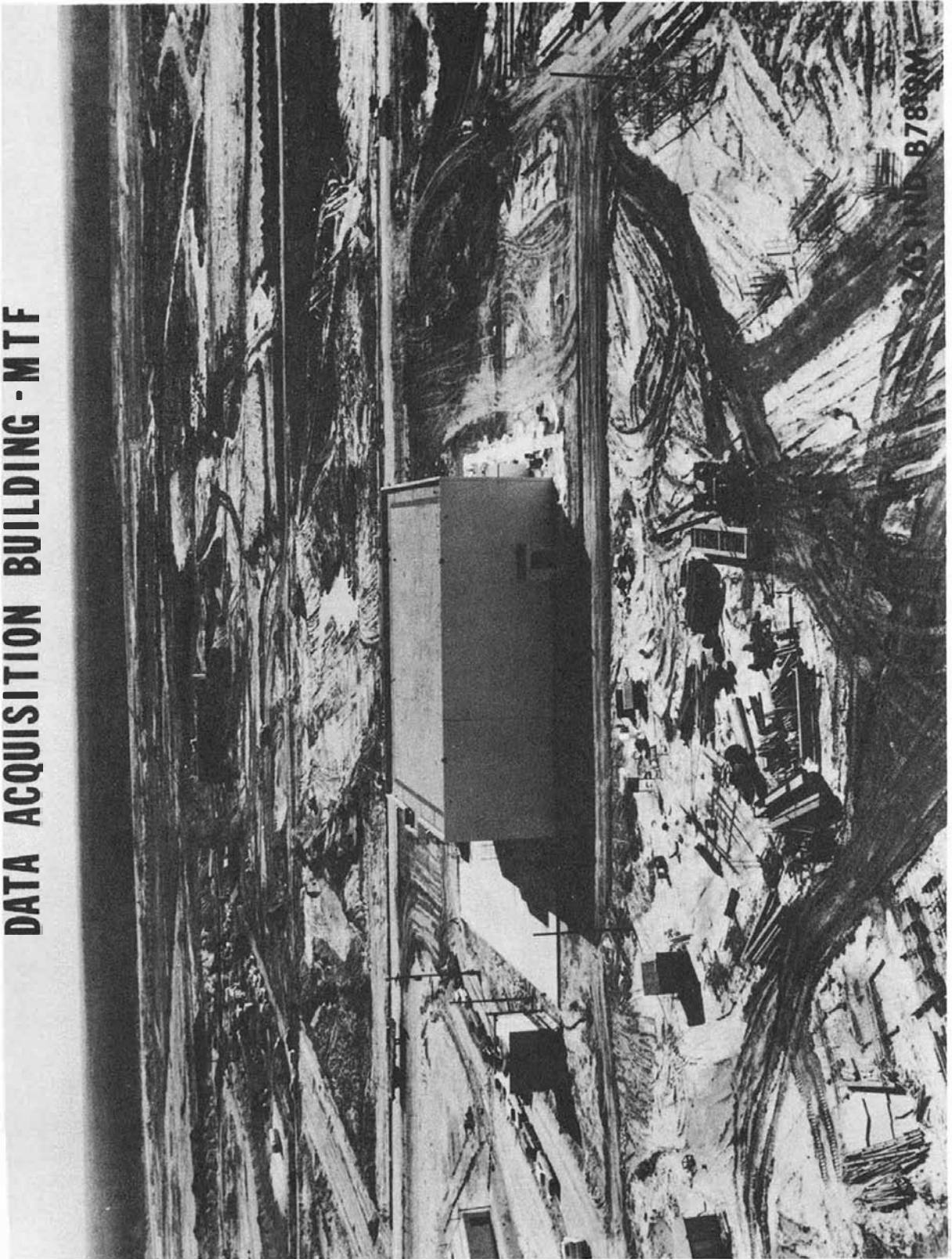
E-D B7866 A



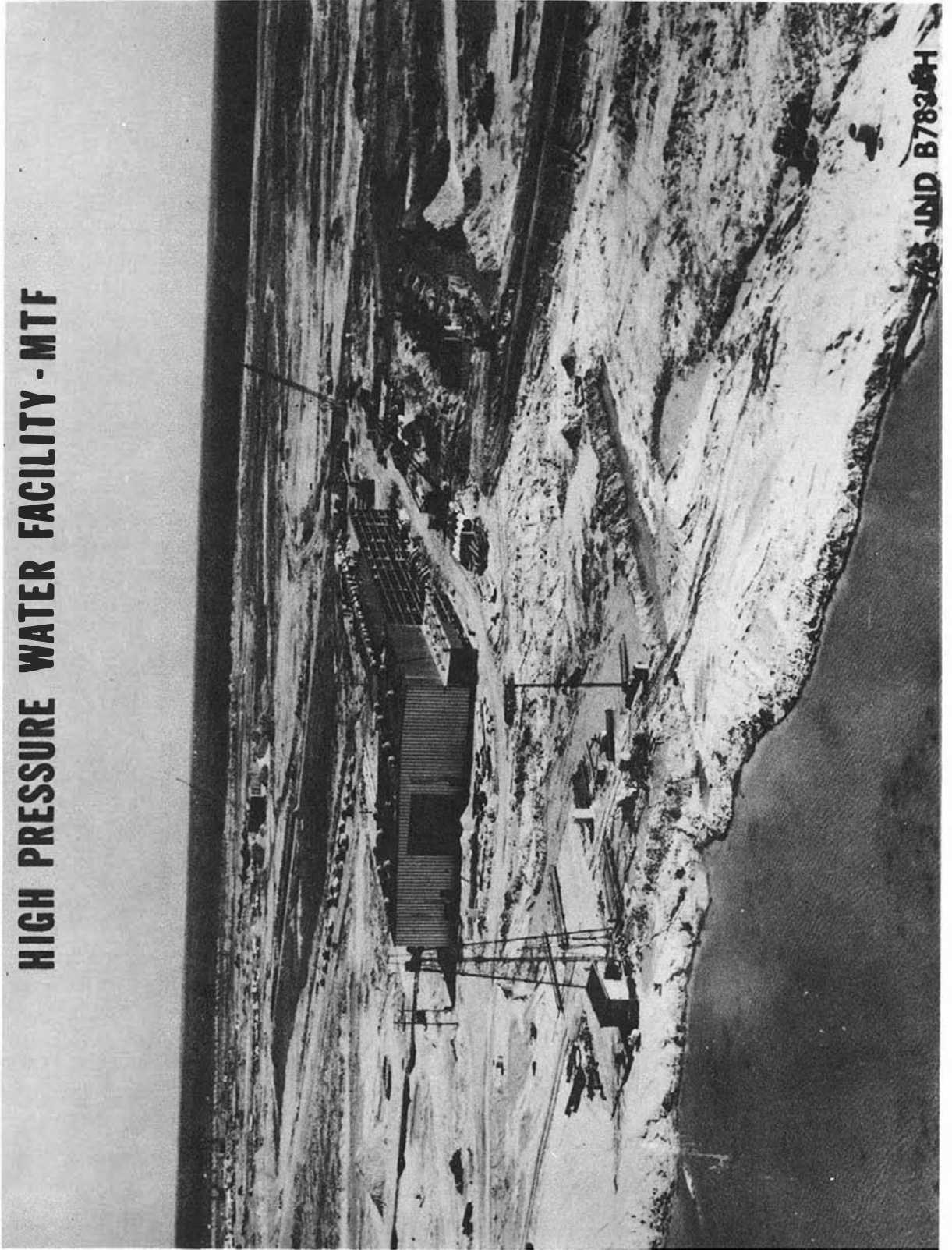
DATA ACQUISITION FACILITY - MTF

E-D B7844 B

DATA ACQUISITION BUILDING - MTF



HIGH PRESSURE WATER FACILITY - MTF



783 JND B7834H



LABORATORY & ENGINEERING COMPLEX - MTF

LAB. & ENGR. BLDG.

ACOUSTIC LAB.

ELECTRONIC & INSTR. LAB.

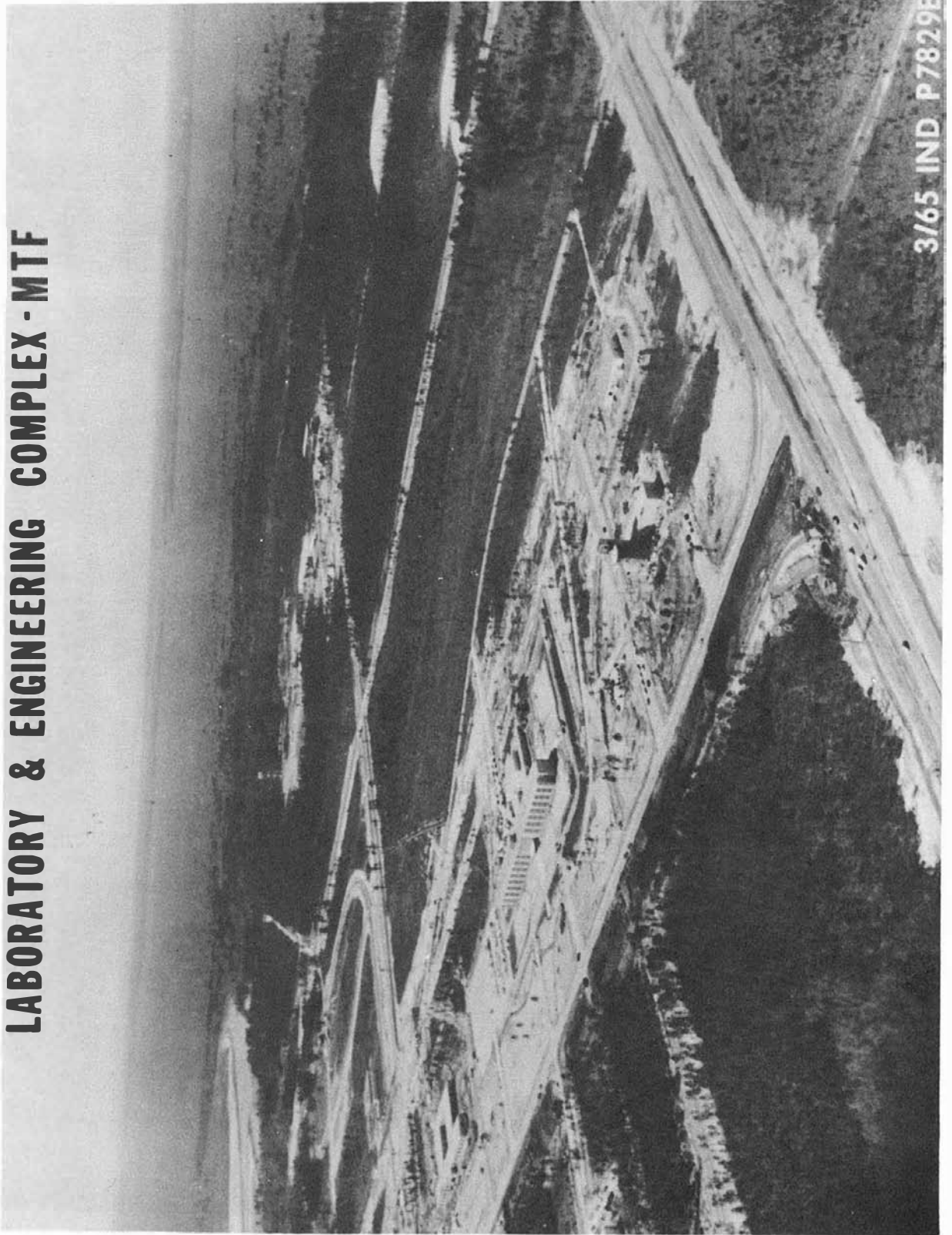
TELEPHONE BLDG.

DATA HANDLING CENTER

CENTRAL CONTROL

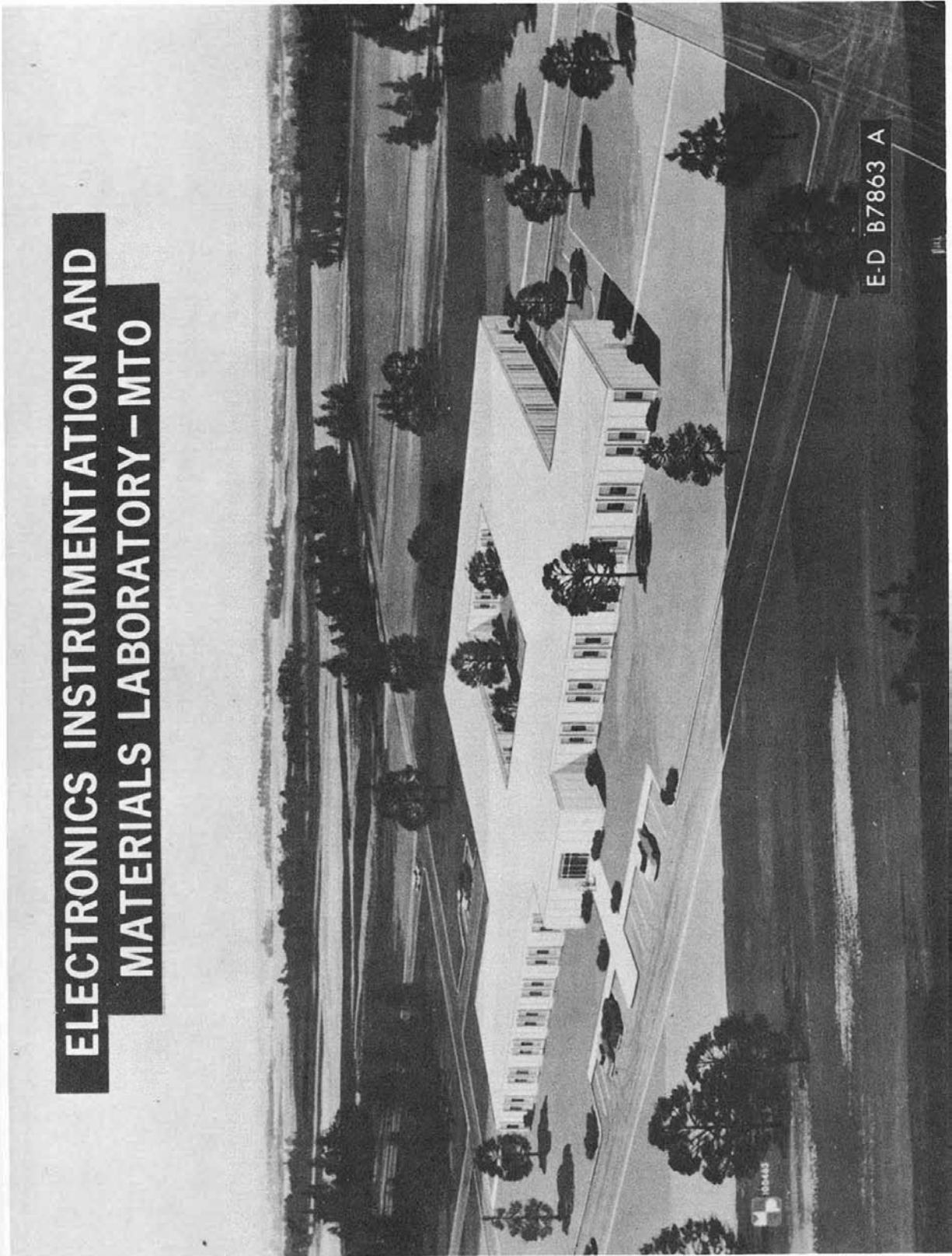
E-D 87820 A

LABORATORY & ENGINEERING COMPLEX - MTF



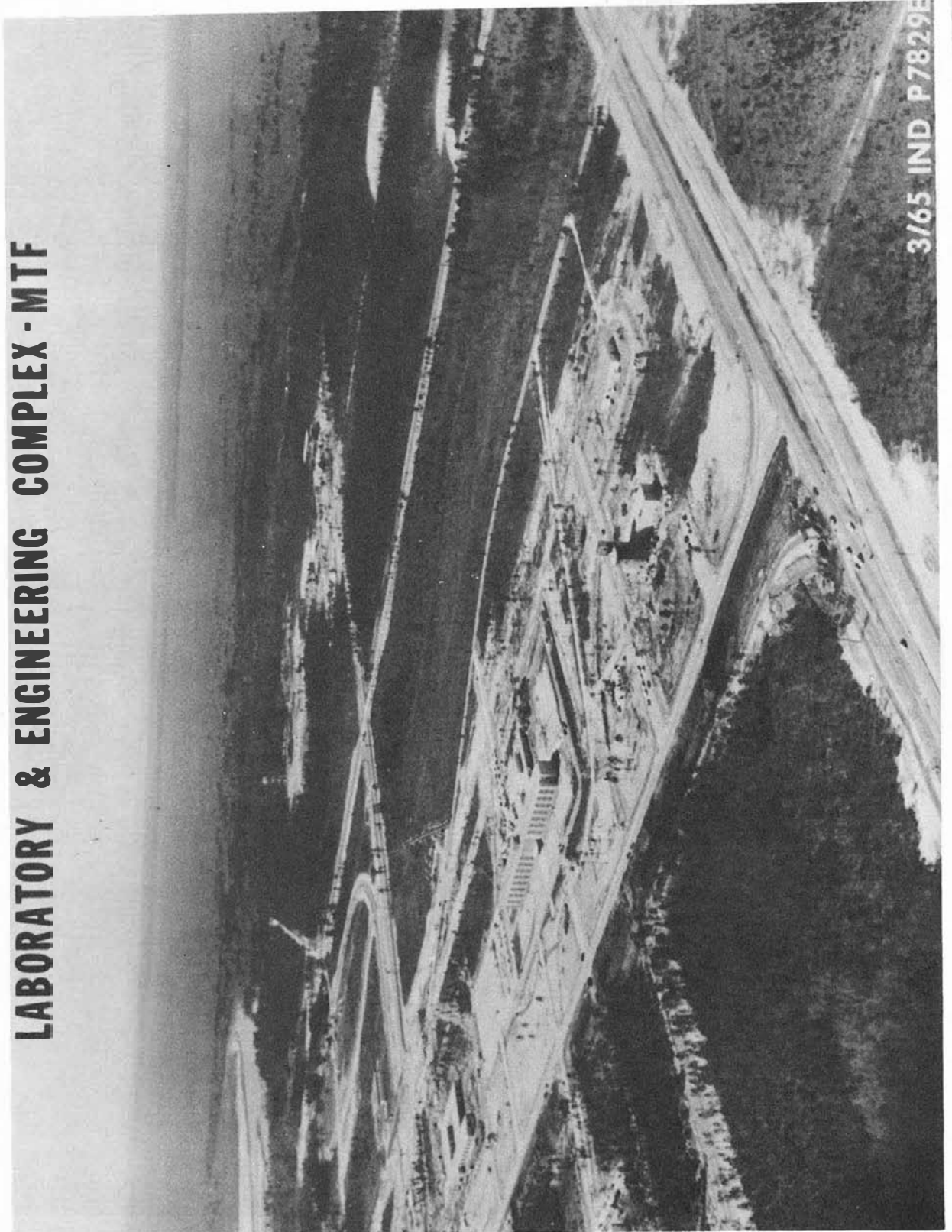
3/65 IND P7829E

ELECTRONICS INSTRUMENTATION AND MATERIALS LABORATORY - MTO



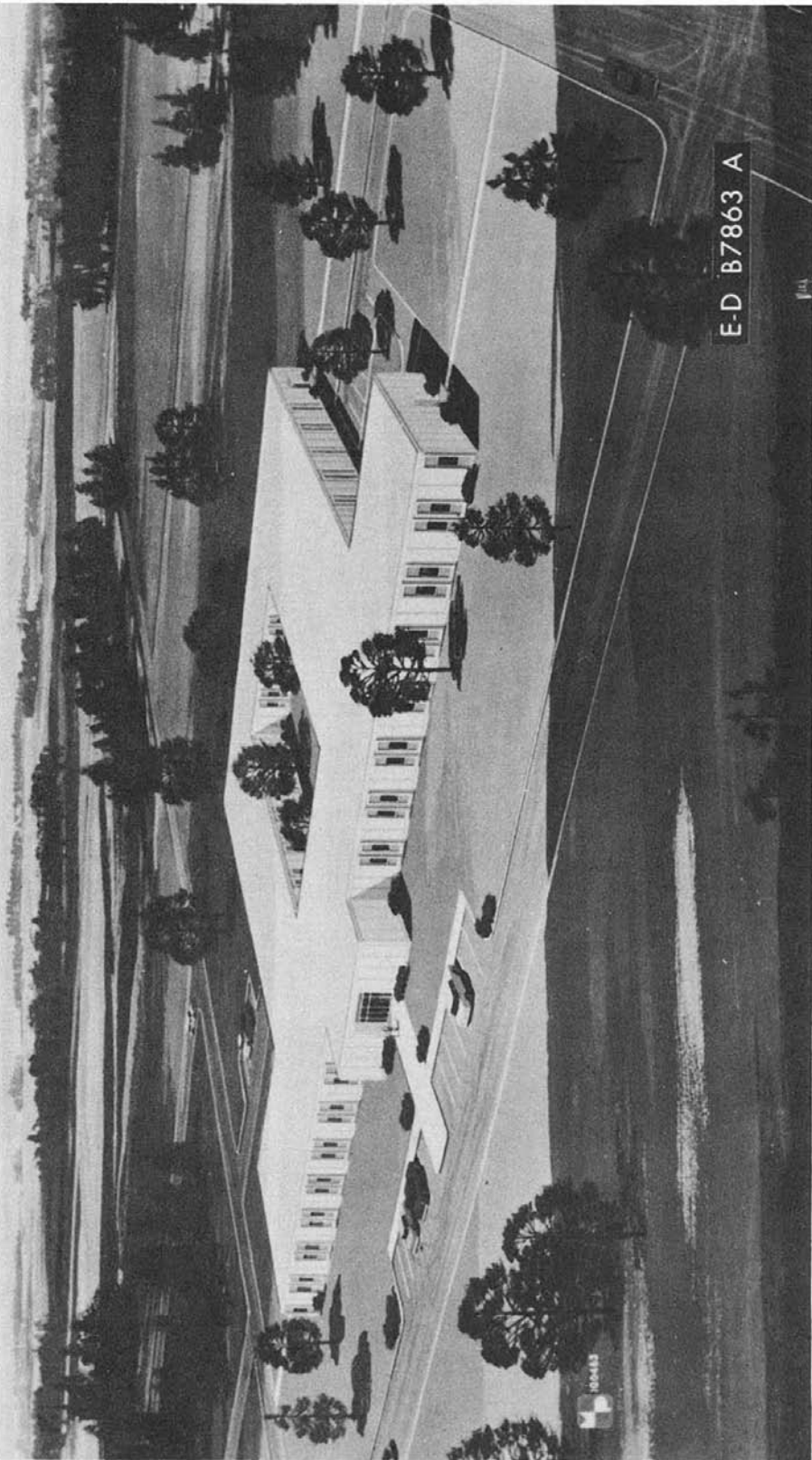
E-D B7863 A

LABORATORY & ENGINEERING COMPLEX - MTF



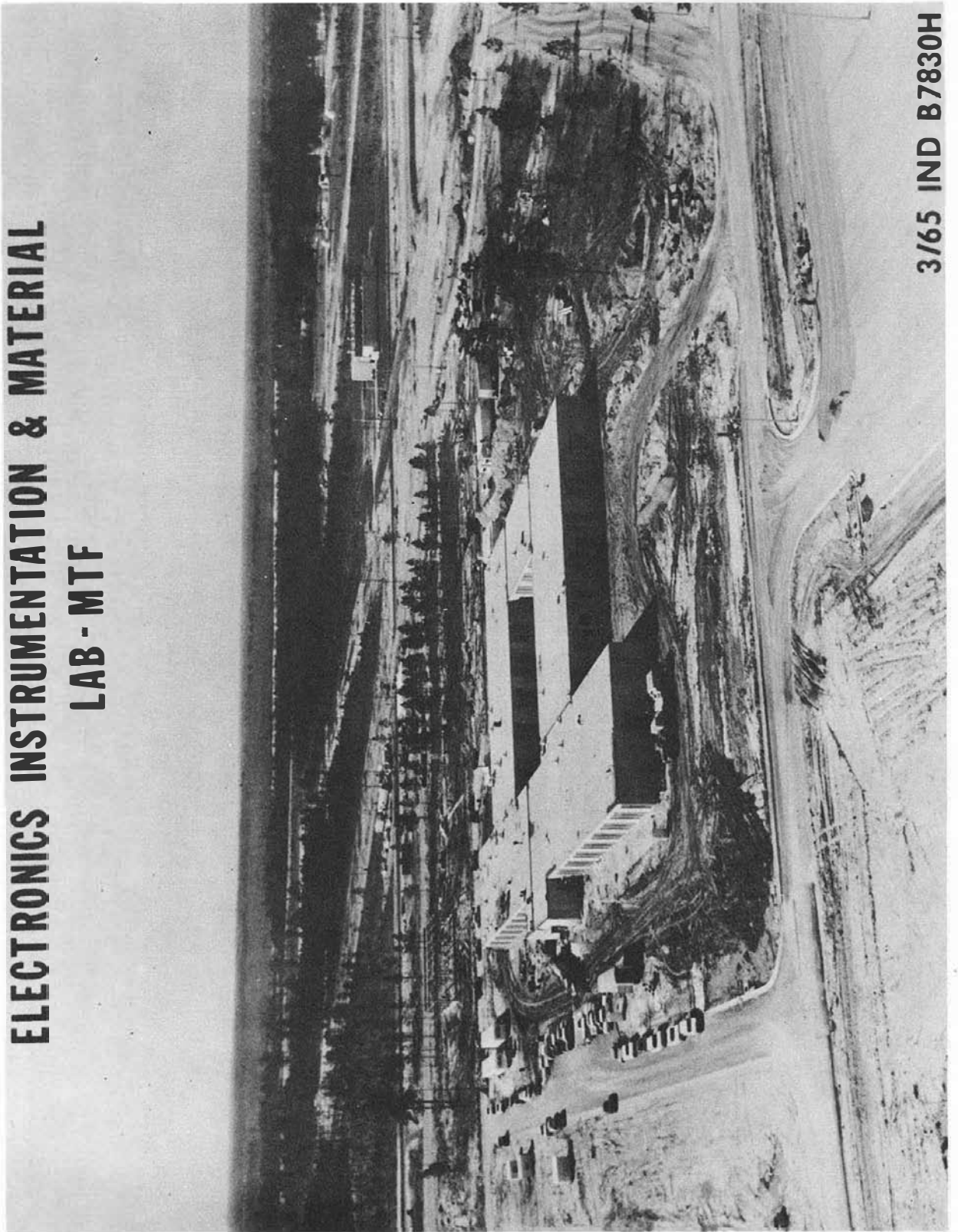
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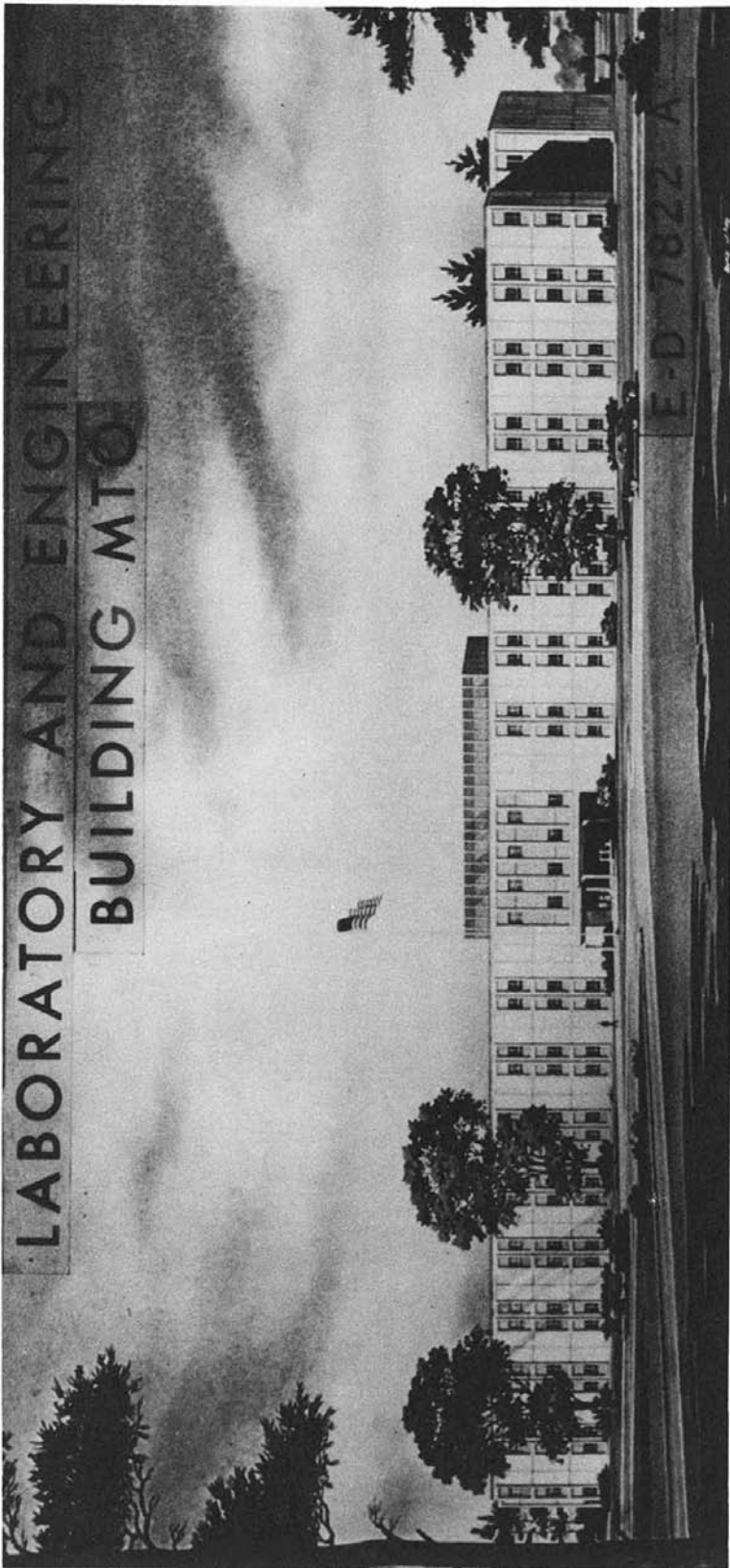


E-D B7863 A

**ELECTRONICS INSTRUMENTATION & MATERIAL
LAB - MTF**



3/65 IND B7830H



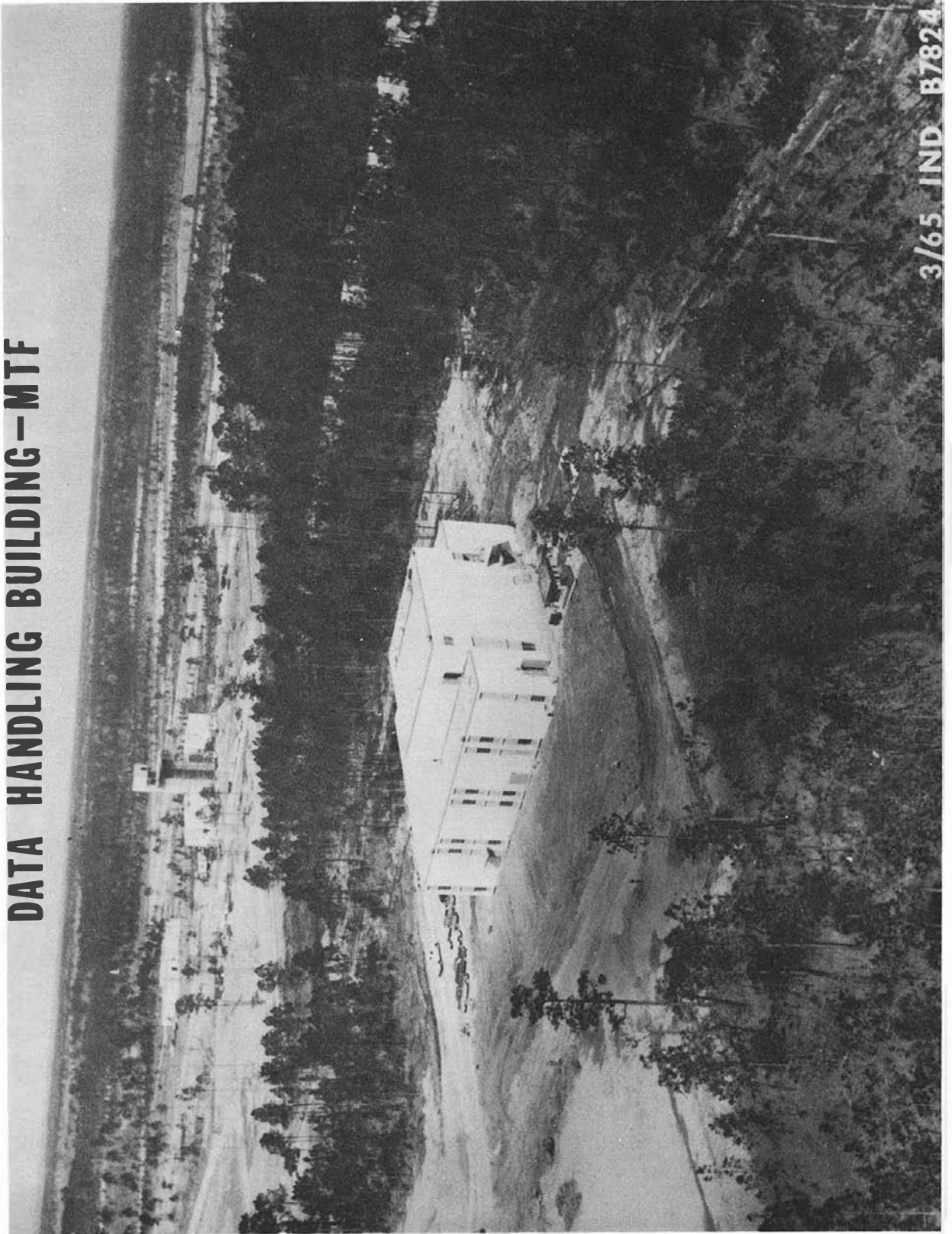
LABORATORY & ENGINEERING BLDG--MTF



3/65 IND A7805P



DATA HANDLING BUILDING - MTF



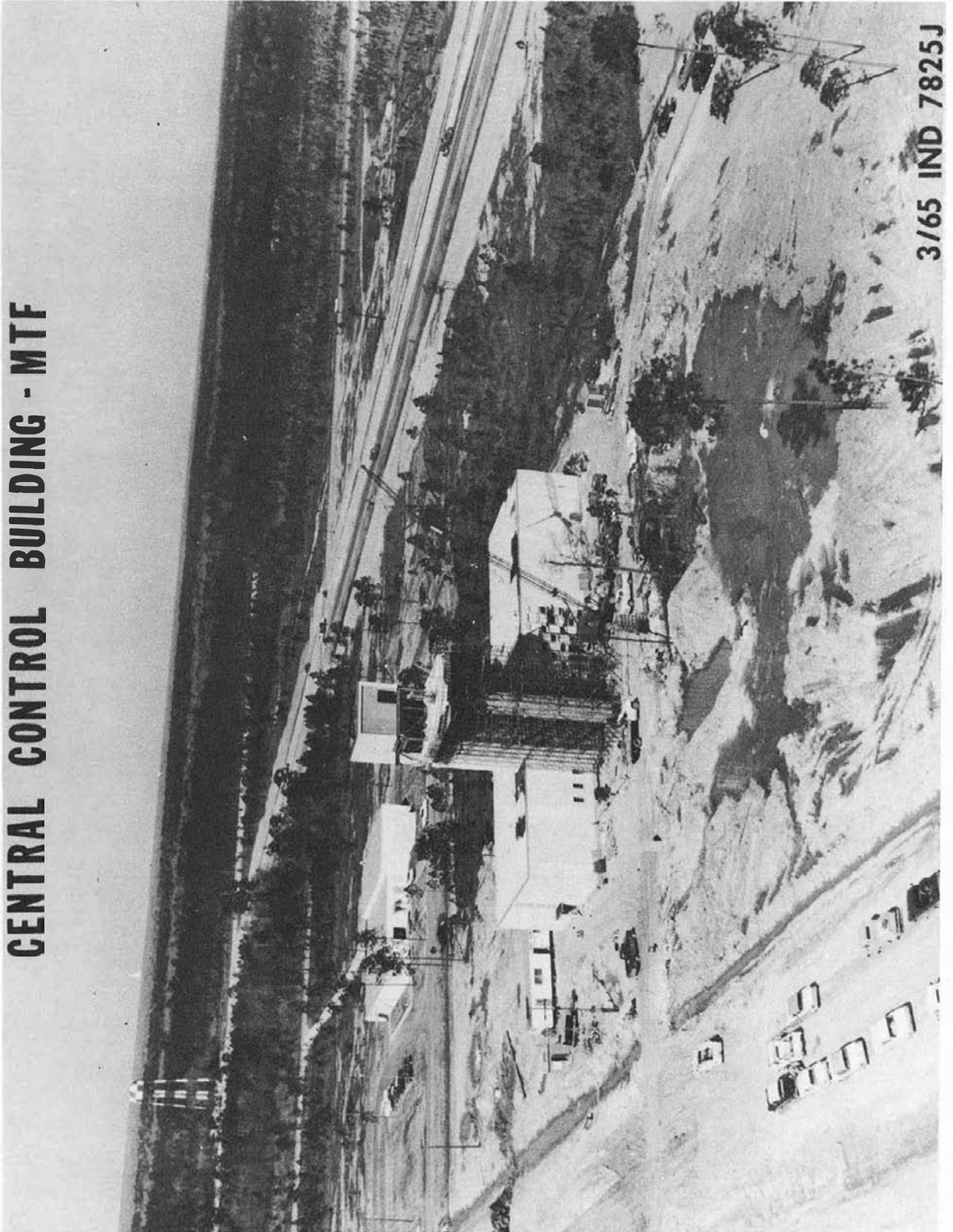
3/65. IND. B7824

CENTRAL CONTROL BUILDING – MTF



E-D B7821 C

CENTRAL CONTROL BUILDING - MTF



3/65 IND 7825J

TELEPHONE BUILDING - MTF

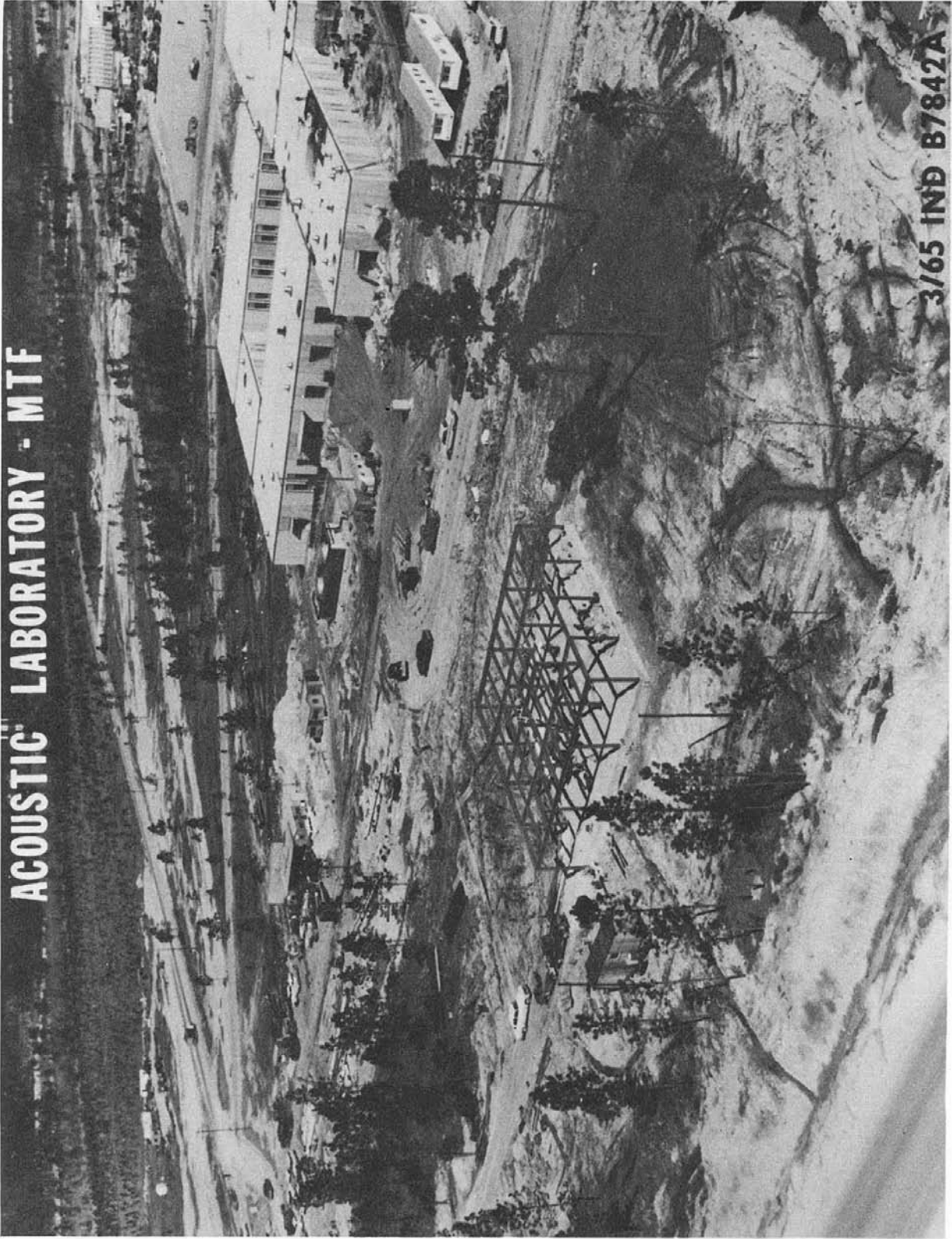


107

12764 IND B780

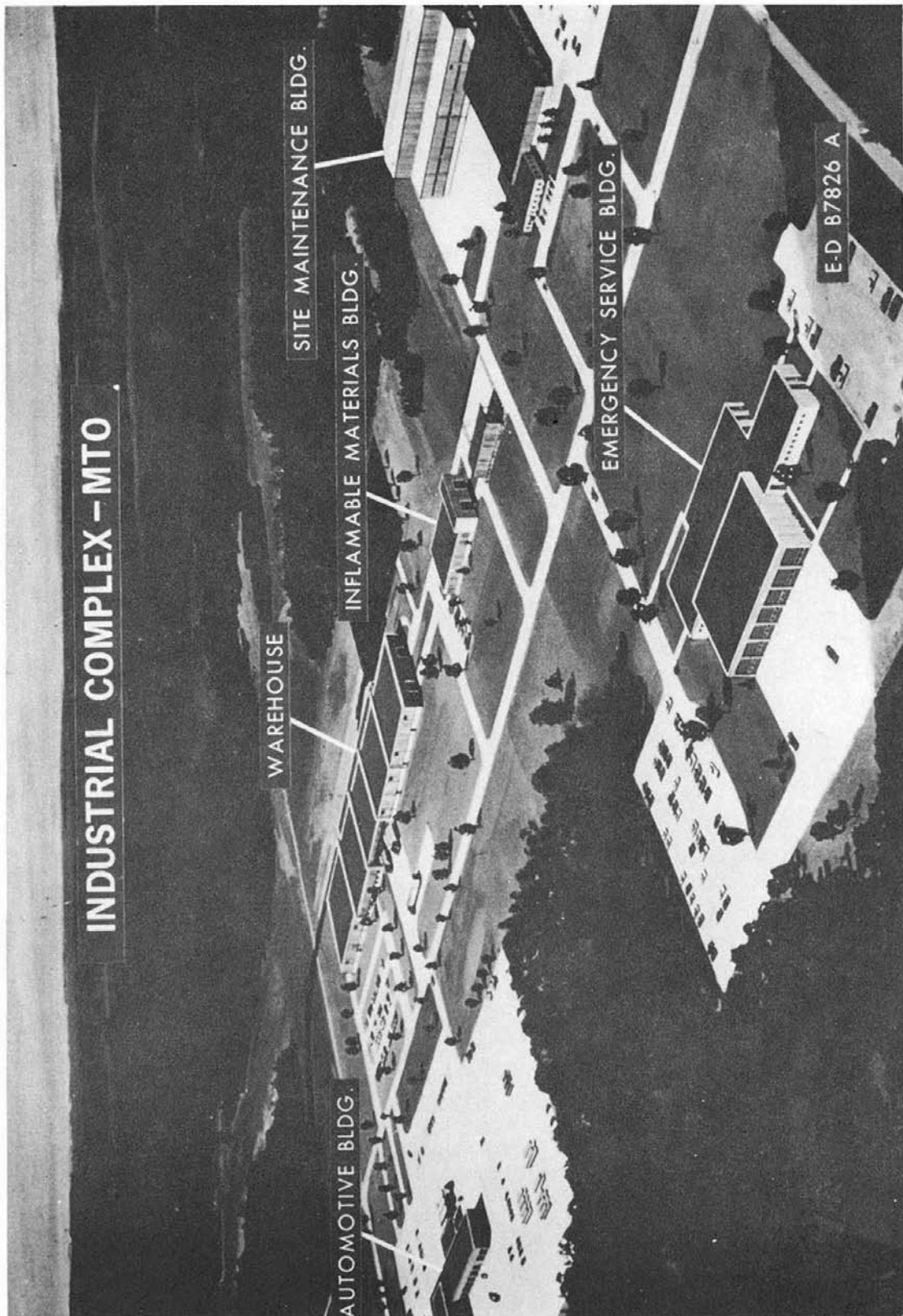


ACOUSTIC LABORATORY - MTF



3/65 IND B7842A

INDUSTRIAL COMPLEX - MTO



AUTOMOTIVE BLDG.

WAREHOUSE

INFLAMMABLE MATERIALS BLDG.

SITE MAINTENANCE BLDG.

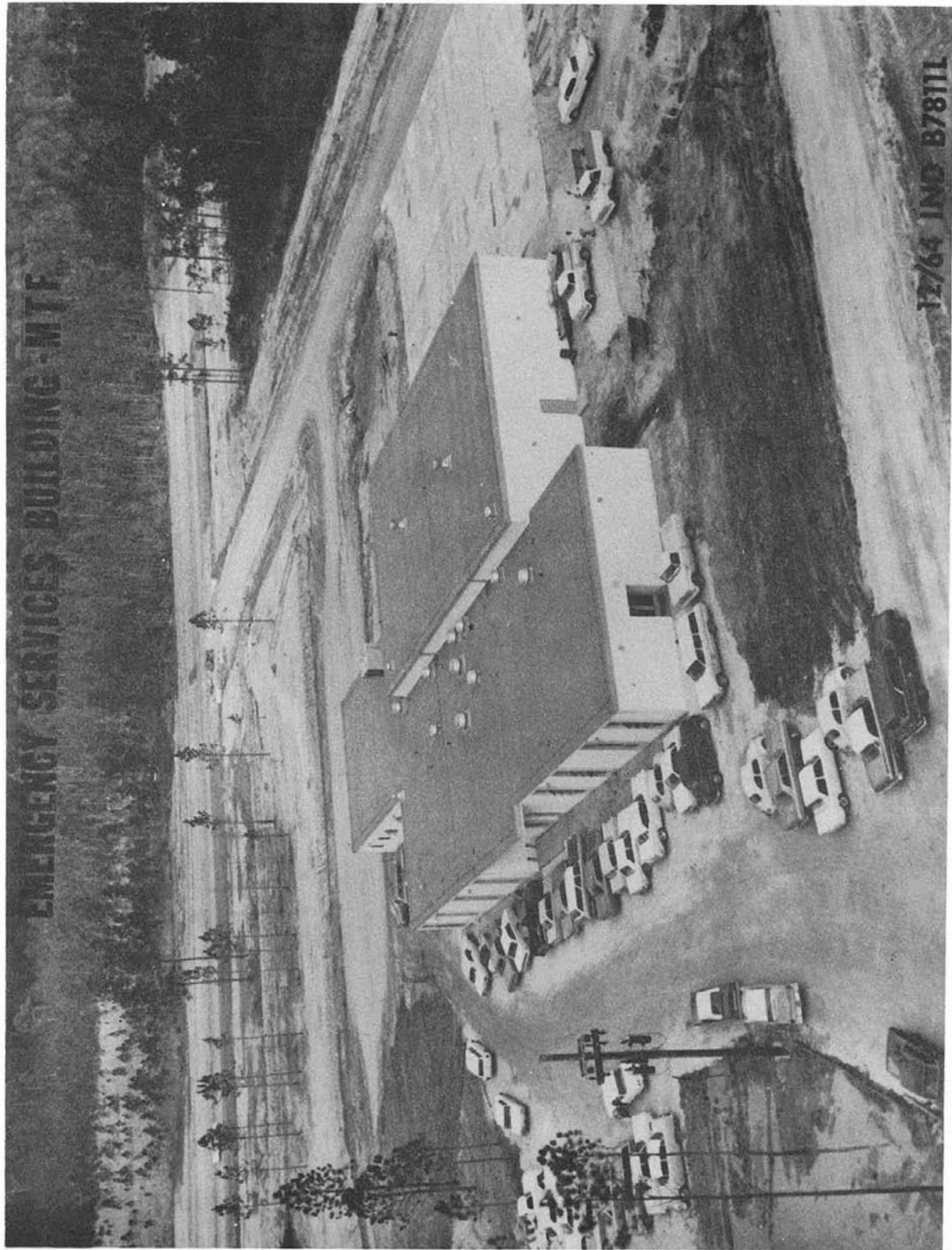
EMERGENCY SERVICE BLDG.

E-D B7826 A

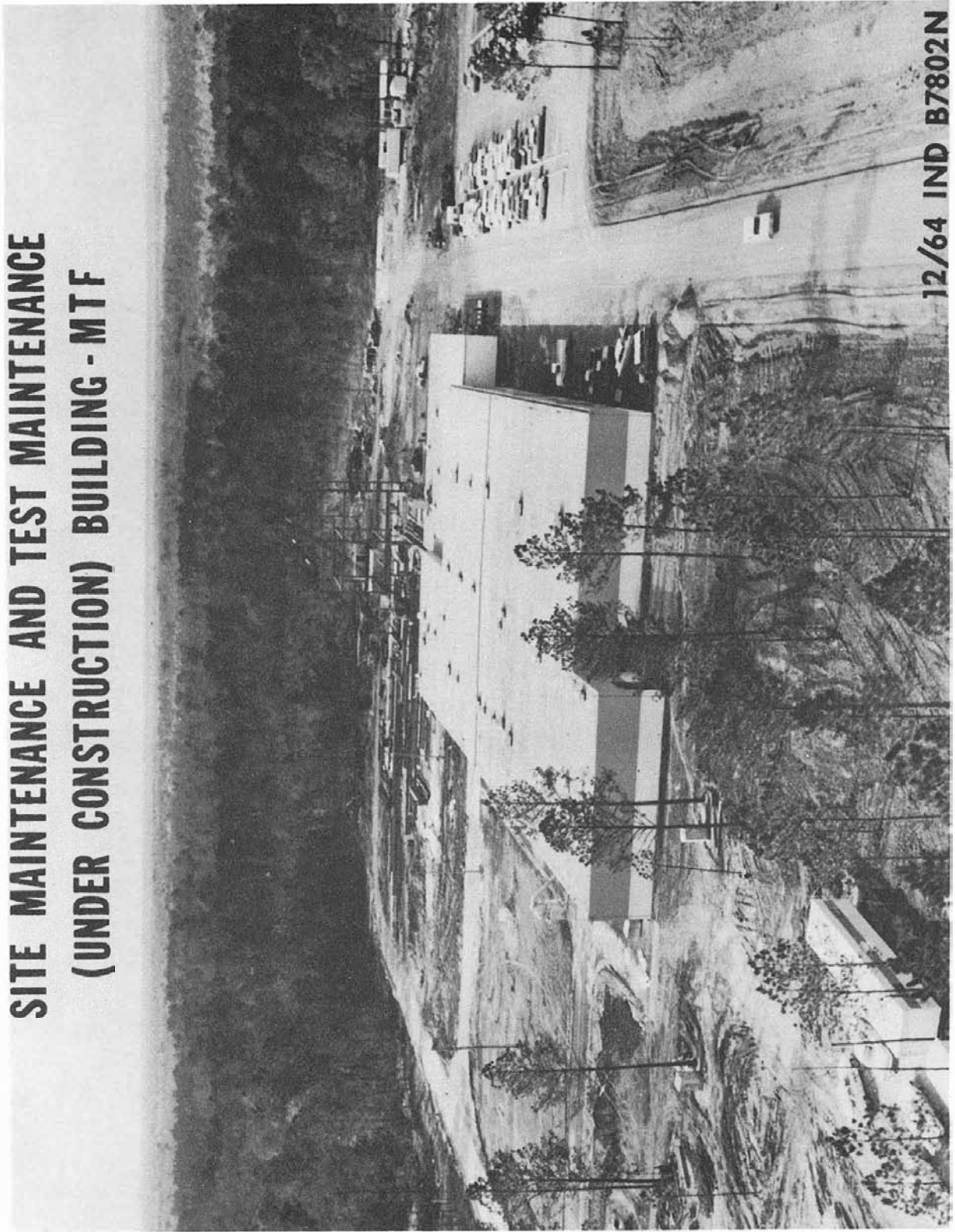
INDUSTRIAL COMPLEX - MTF



3/65 IND P7828F

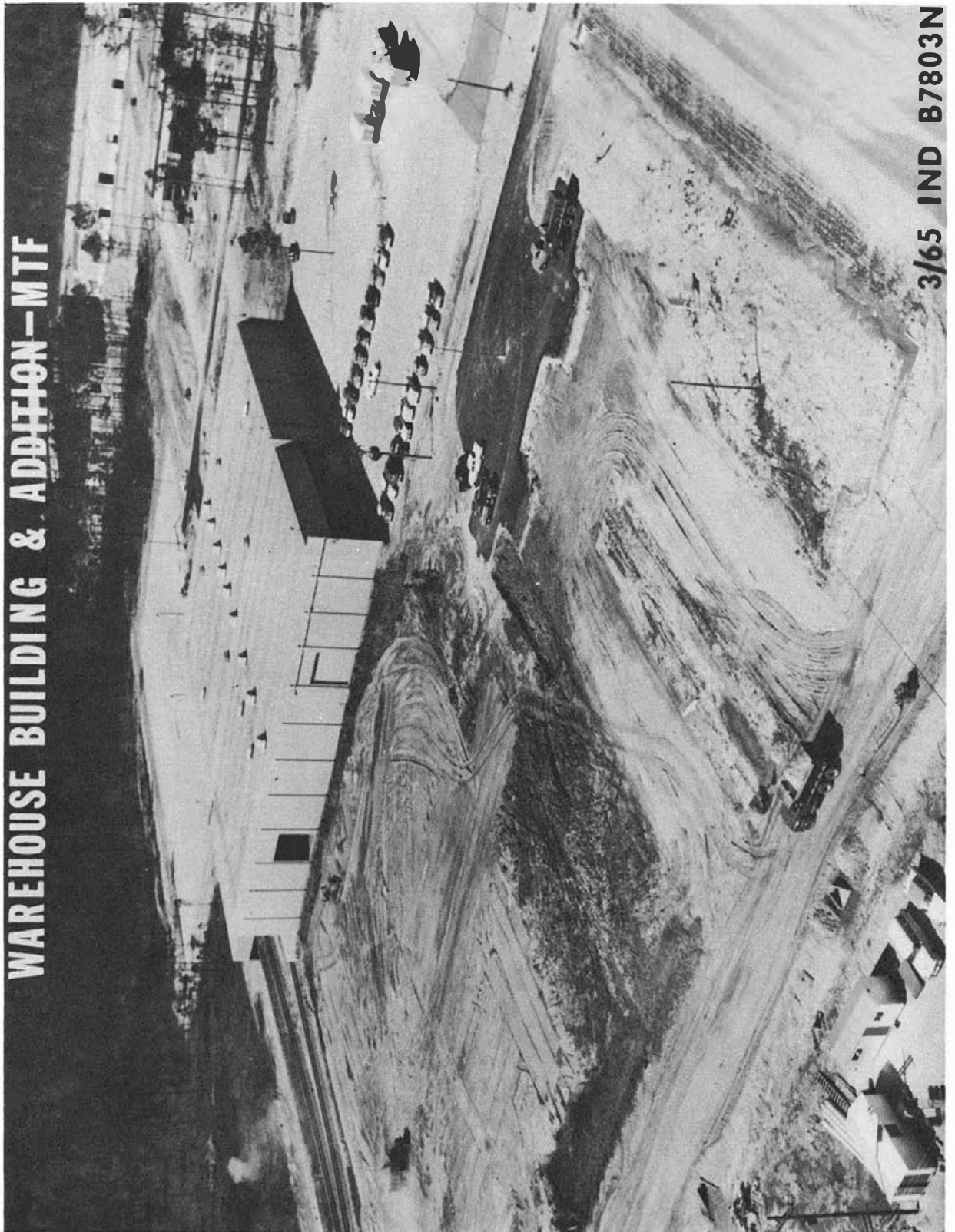


**SITE MAINTENANCE AND TEST MAINTENANCE
(UNDER CONSTRUCTION) BUILDING - MTF**



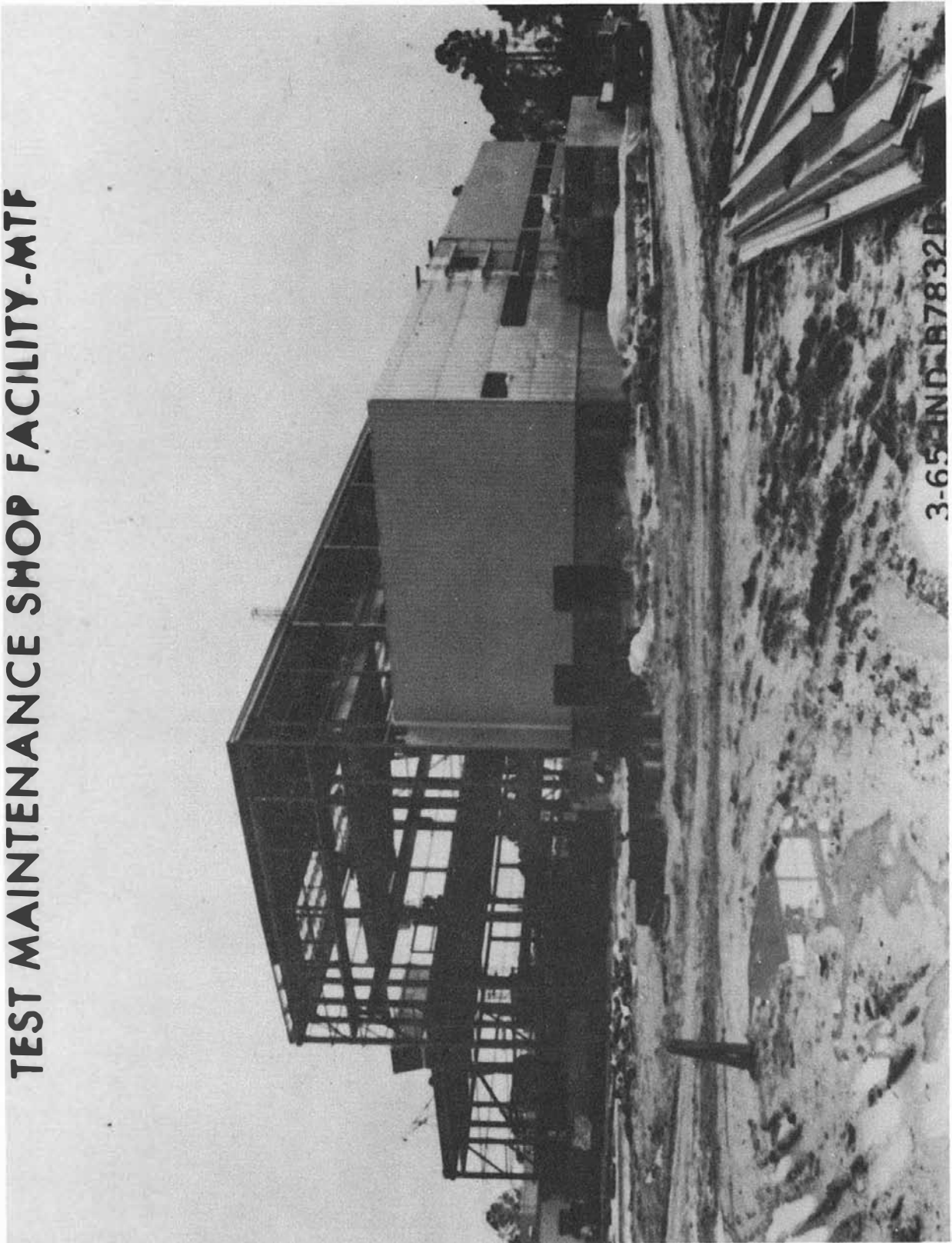
12/64 IND B7802N

WAREHOUSE BUILDING & ADDITION - MTF

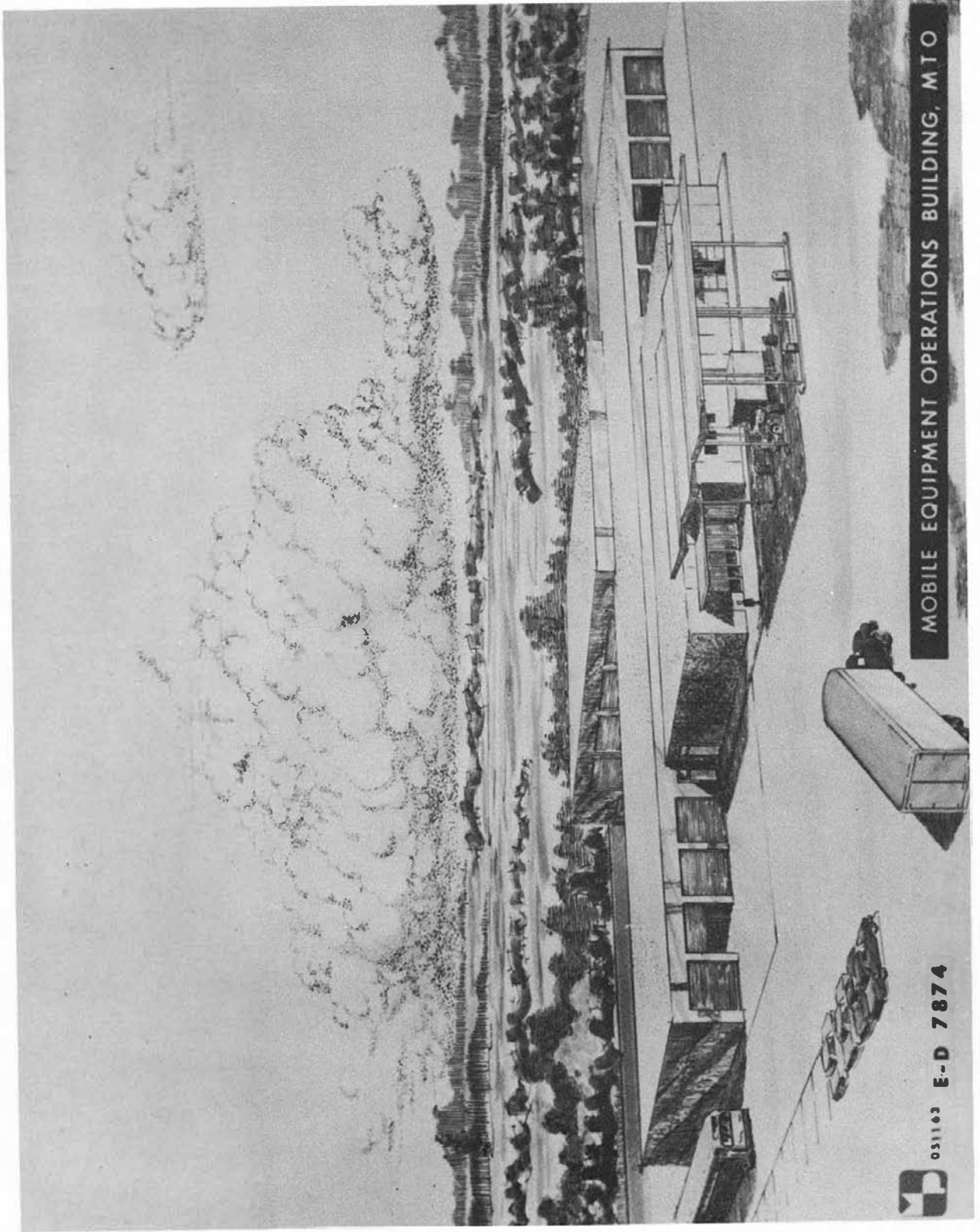


3/65 IND B7803N

TEST MAINTENANCE SHOP FACILITY-MTF



3-65 IND. B7832P

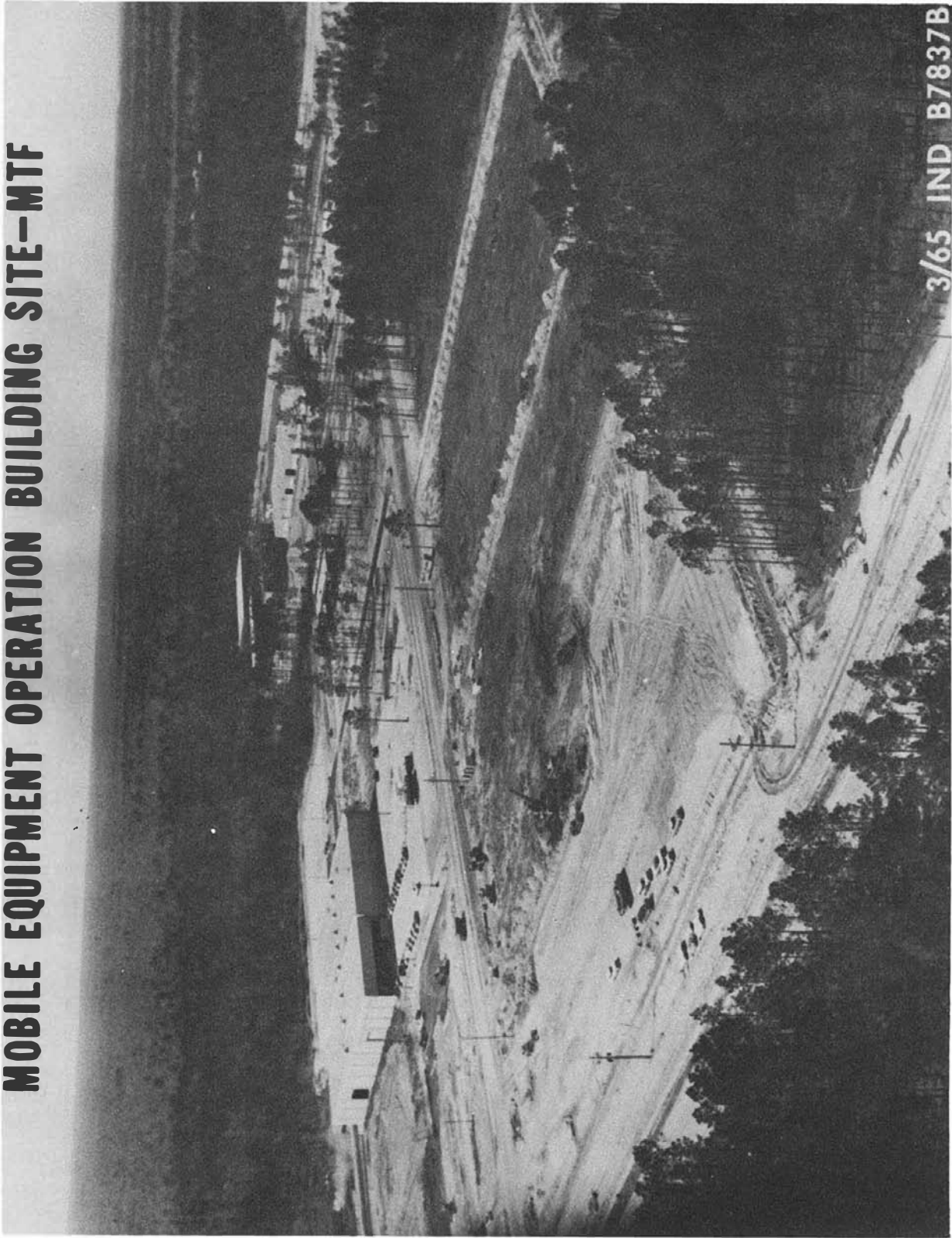


MOBILE EQUIPMENT OPERATIONS BUILDING, MTO

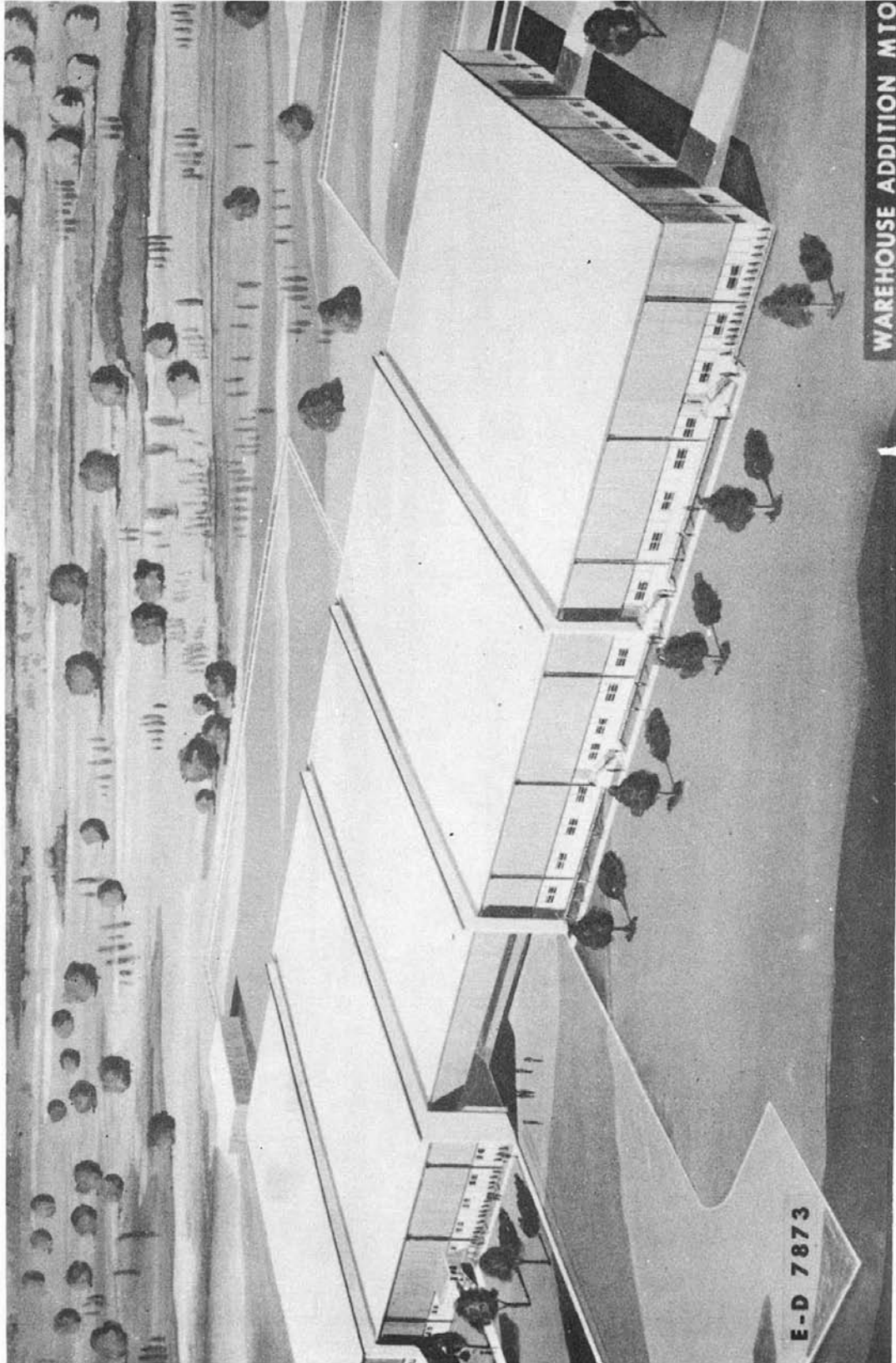


031103 E-D 7874

MOBILE EQUIPMENT OPERATION BUILDING SITE-MTF

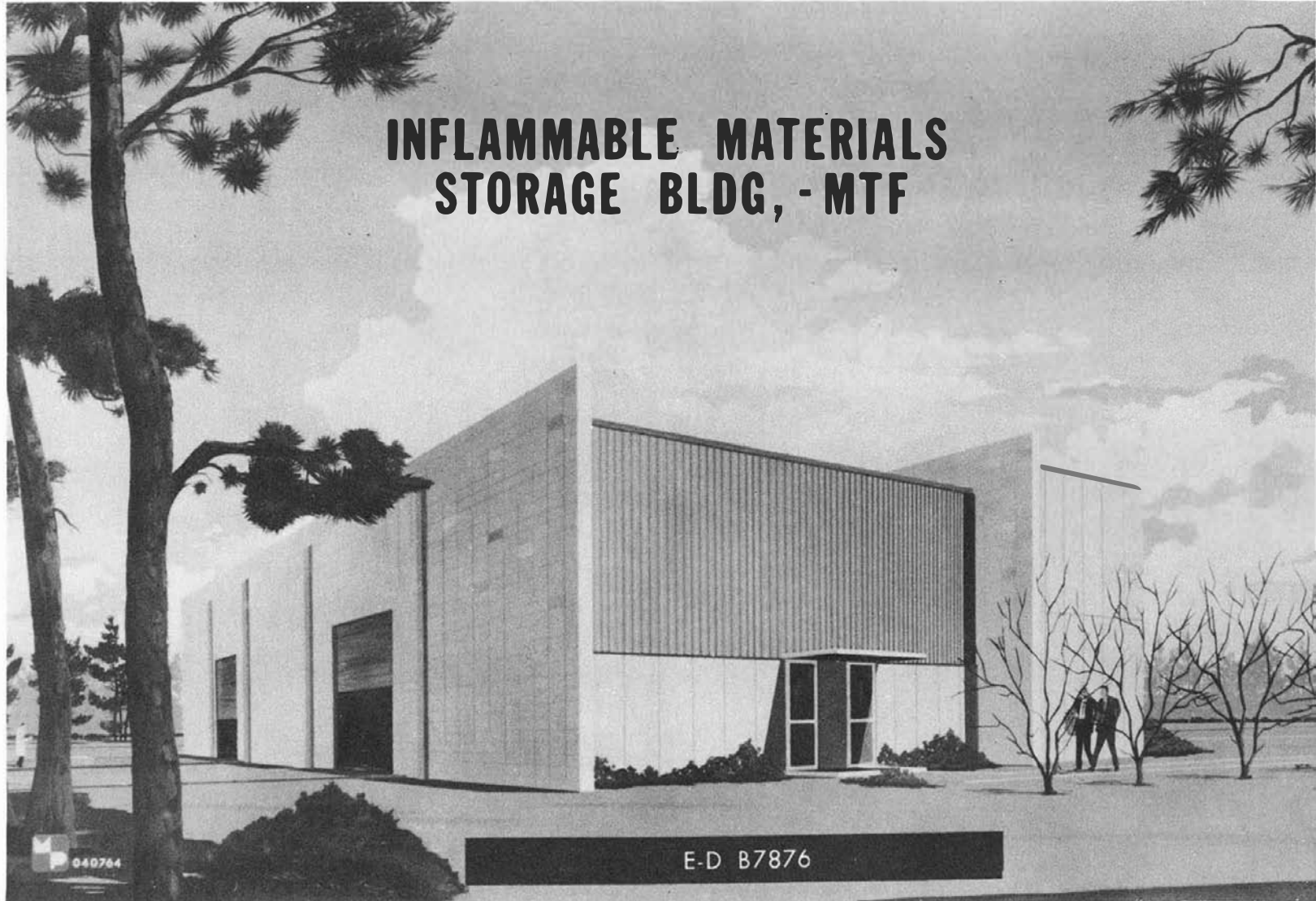


3/65 IND B7837B



INFLAMMABLE MATERIALS STORAGE BLDG, - MTF

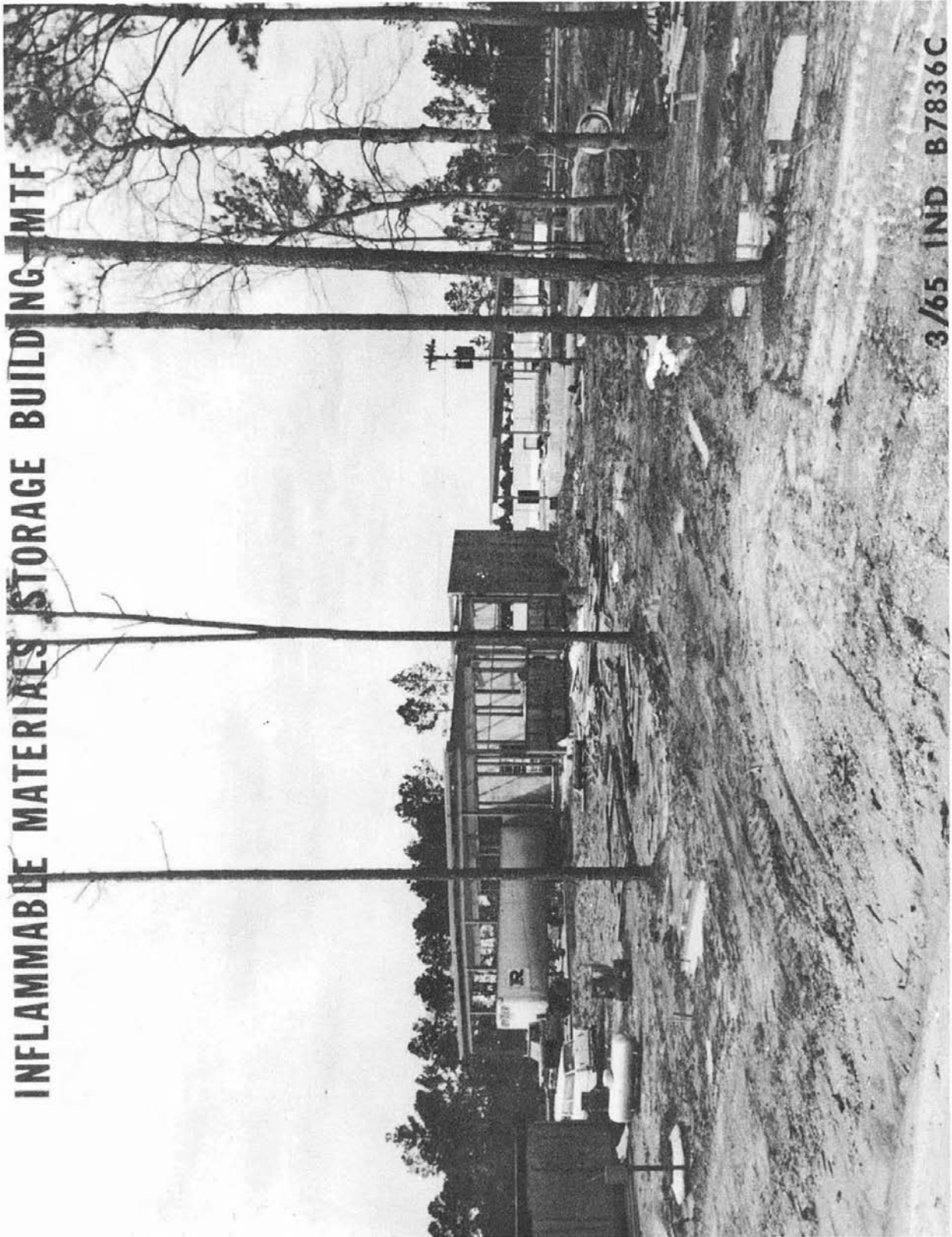
119



040764

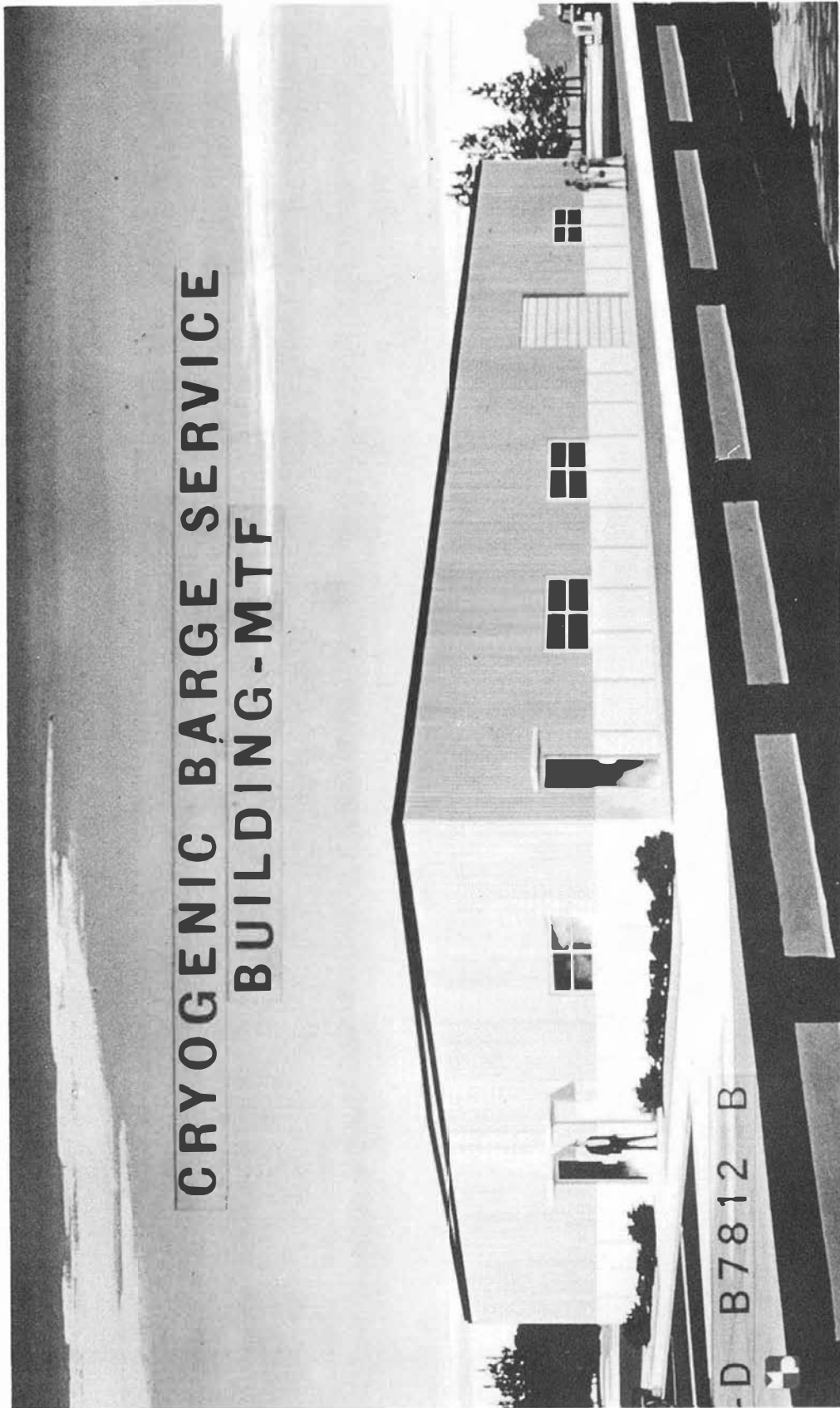
E-D B7876

INFLAMMABLE MATERIALS STORAGE BUILDING—MTF

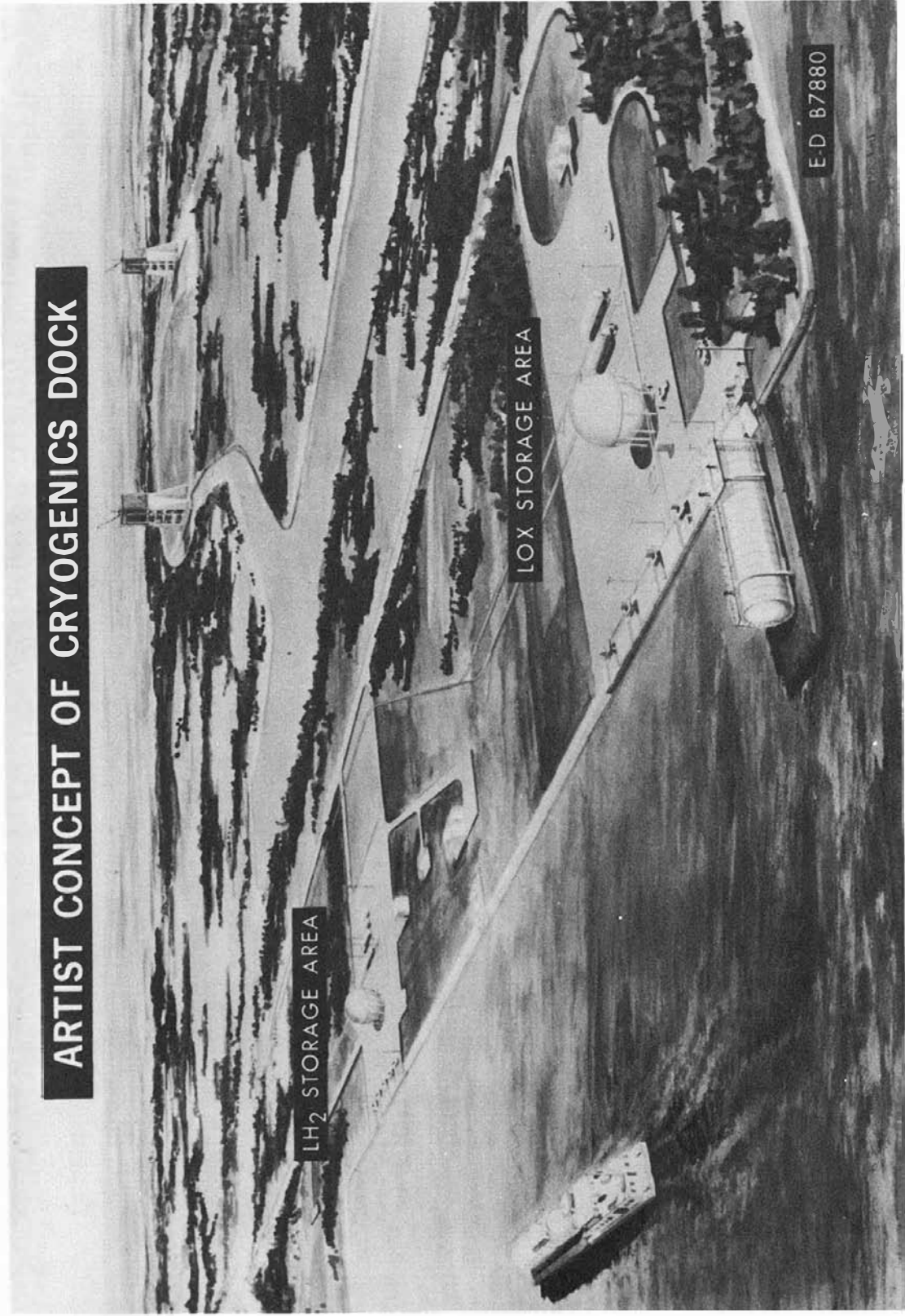


3/65 IND B7836C

**CRYOGENIC BARGE SERVICE
BUILDING-MTF**



ARTIST CONCEPT OF CRYOGENICS DOCK



LH₂ STORAGE AREA

LOX STORAGE AREA

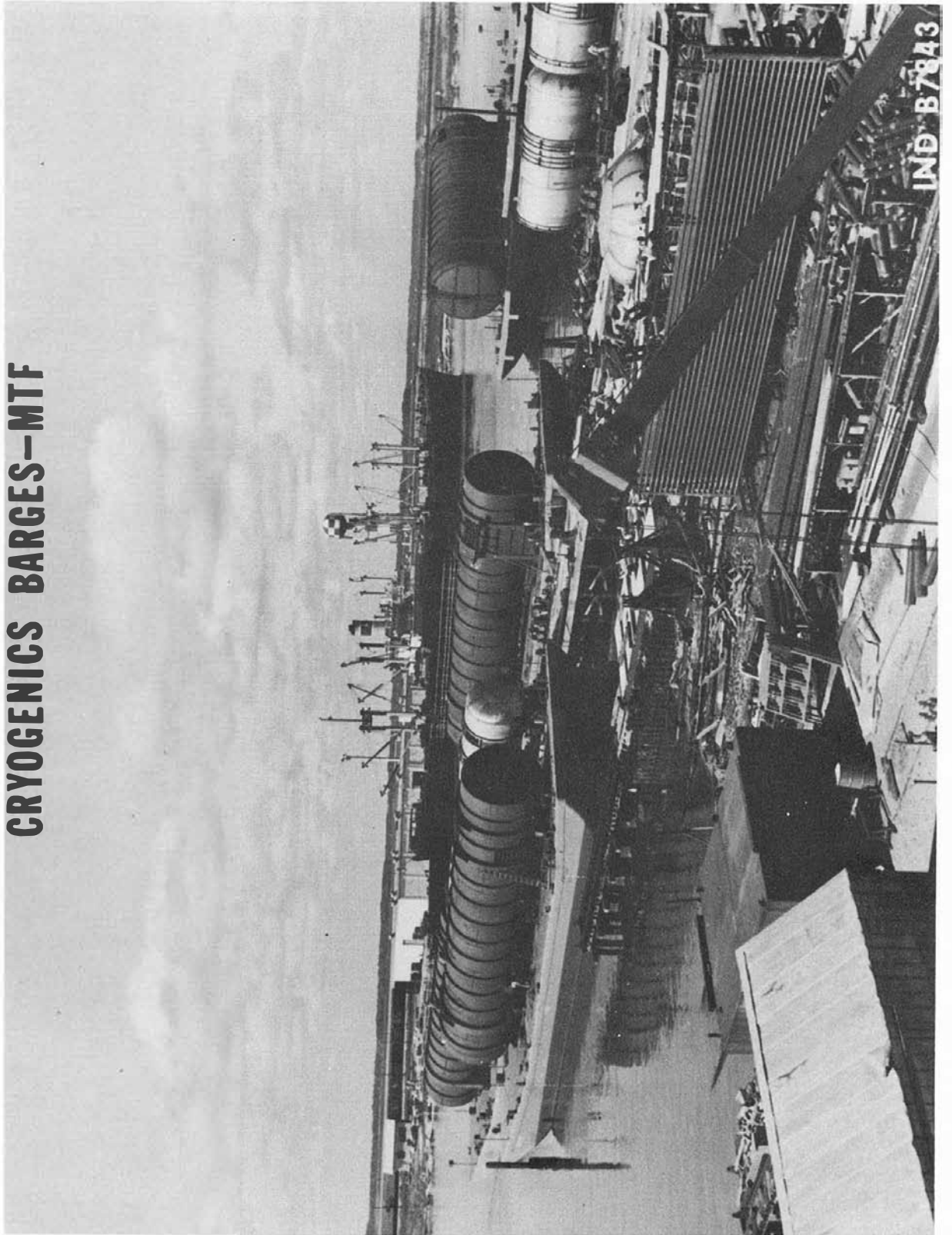
E-D B7880

CRYOGENICS DOCK - MTF

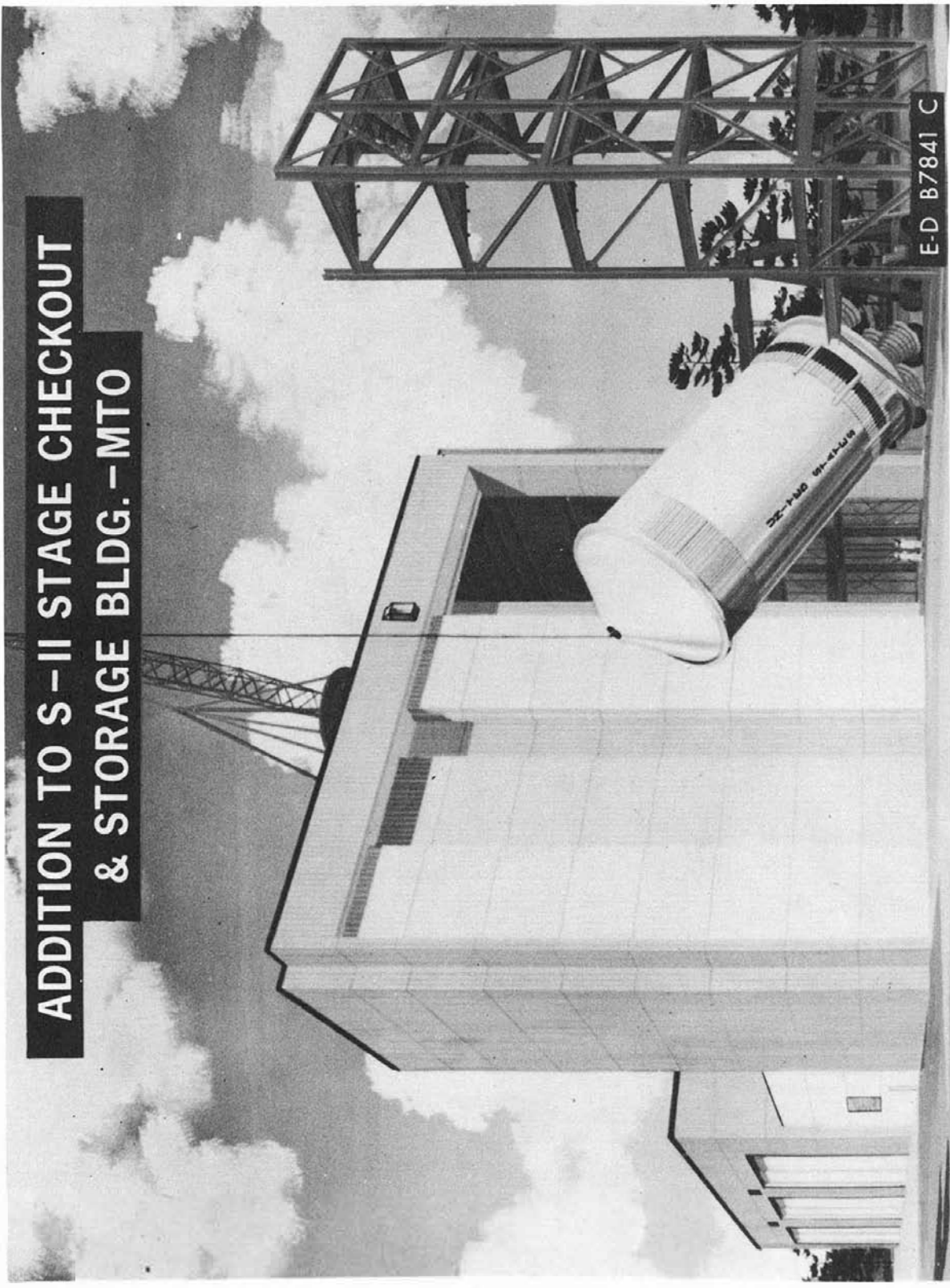


3/65 IND B7809M

CRYOGENICS BARGES—MTF



**ADDITION TO S-II STAGE CHECKOUT
& STORAGE BLDG. - MTO**



E-D B7841 C

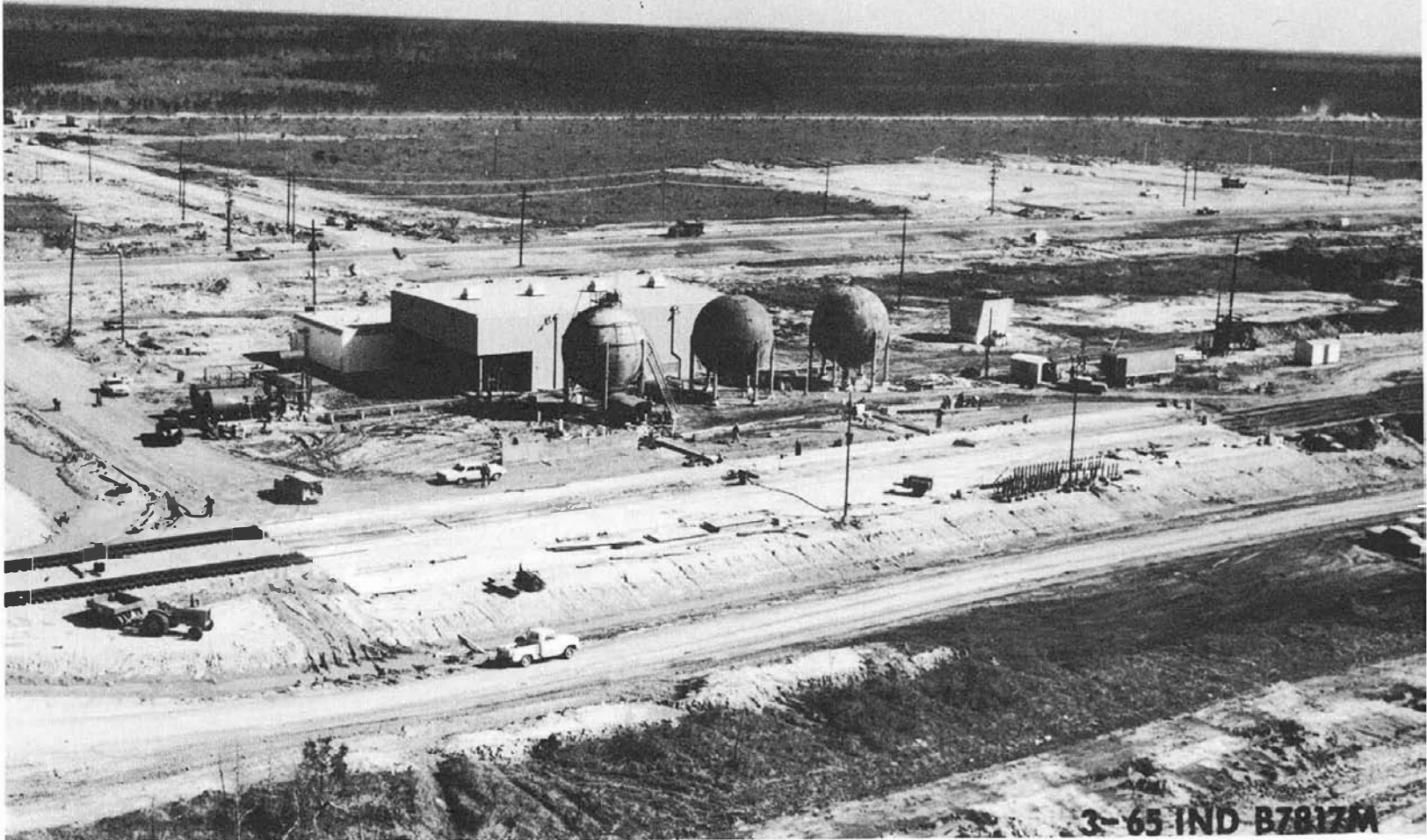
S-IC BOOSTER STORAGE BLDG-MTF



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3-65 IND B7820M

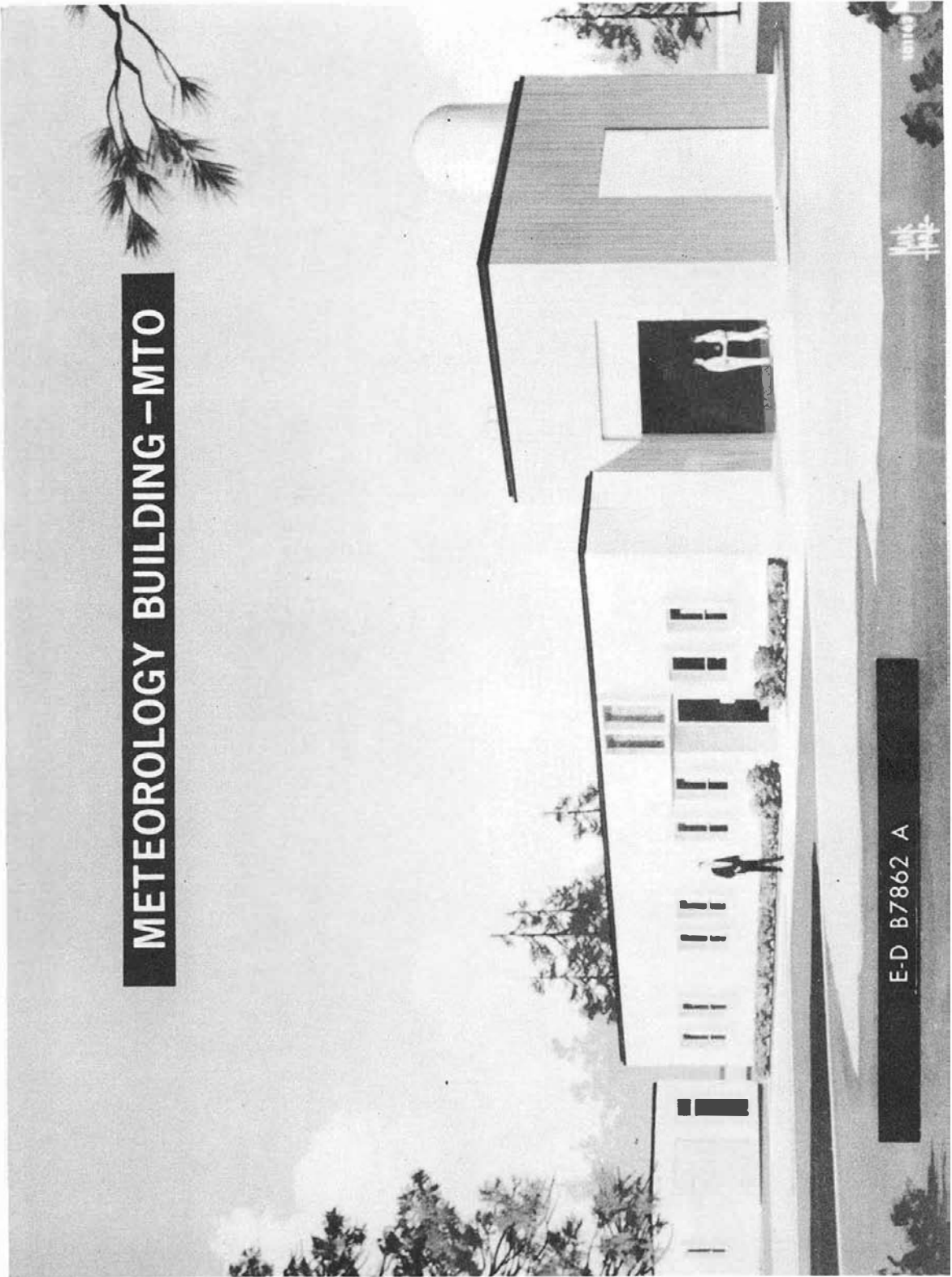
HIGH PRESSURE GAS FACILITY—MTF



127

3-65 IND B7813M

METEOROLOGY BUILDING - MTO

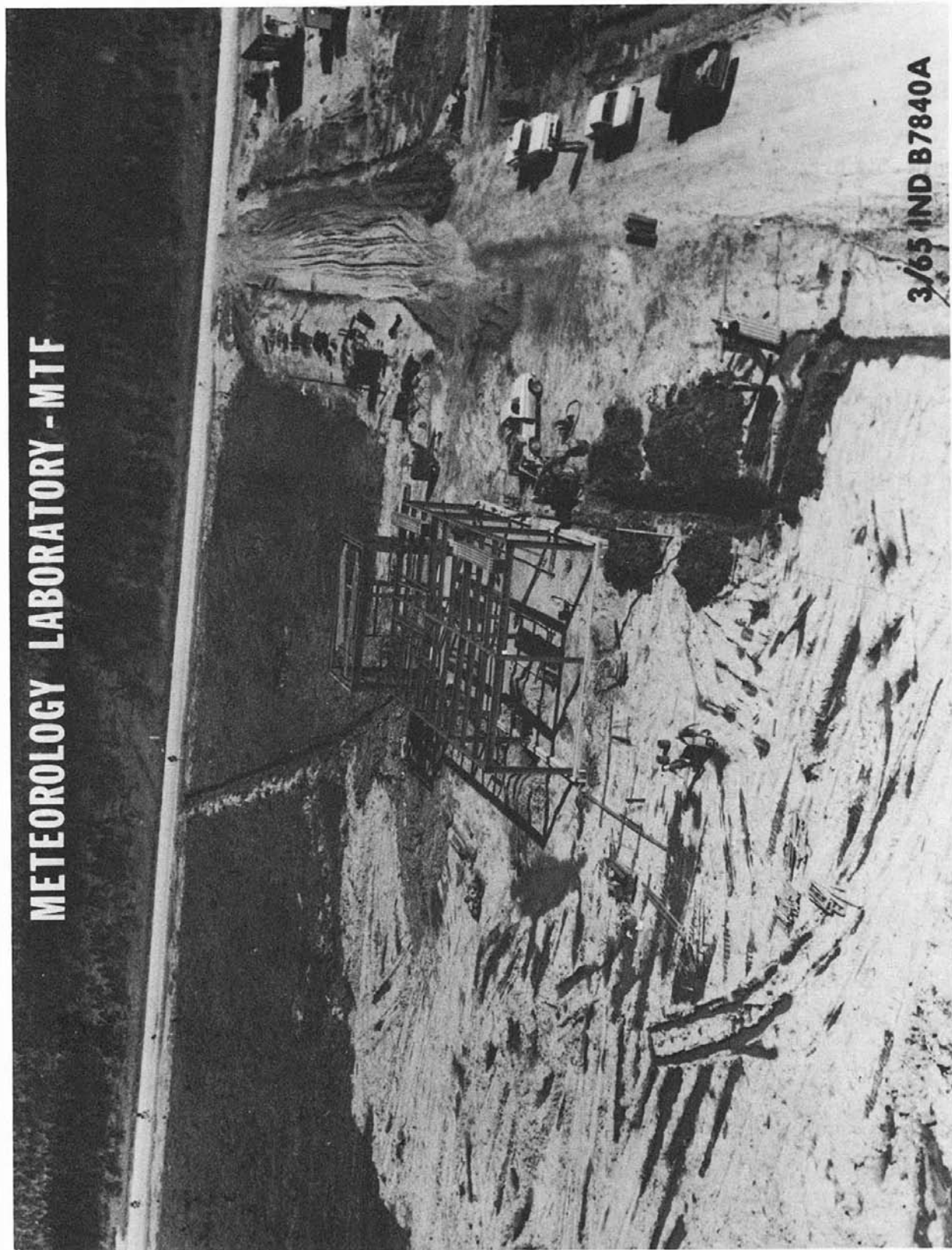


E-D B7862 A

101149

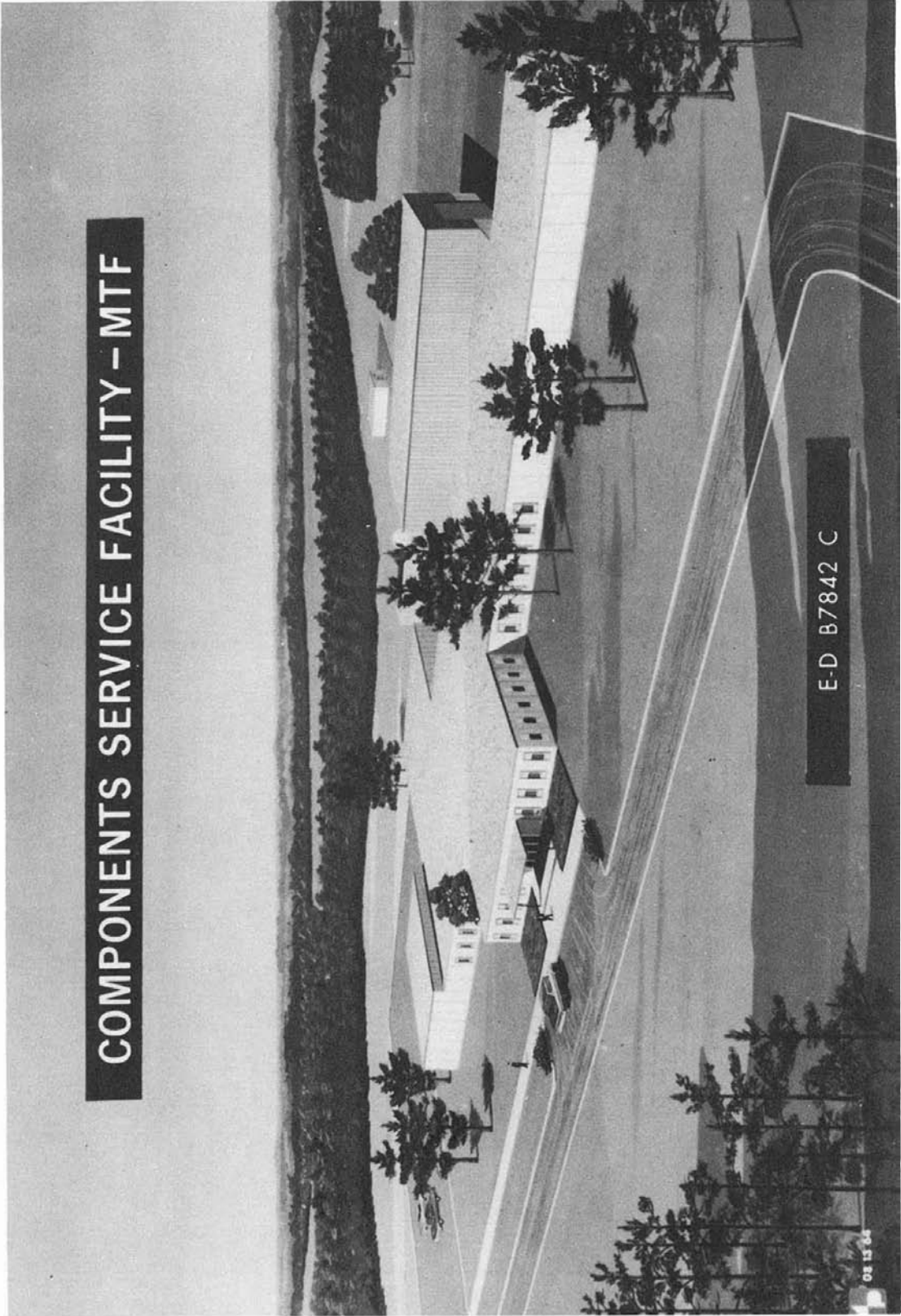


METEOROLOGY LABORATORY - MTF



3/65 IND B7840A

COMPONENTS SERVICE FACILITY - MTF



E-D B7842 C

01 13 04

COMPONENT SERVICE FACILITY SITE-MTF



3165 JND B7841B

SECURITY CONTROL - SOUTH, MTF



20th Floor

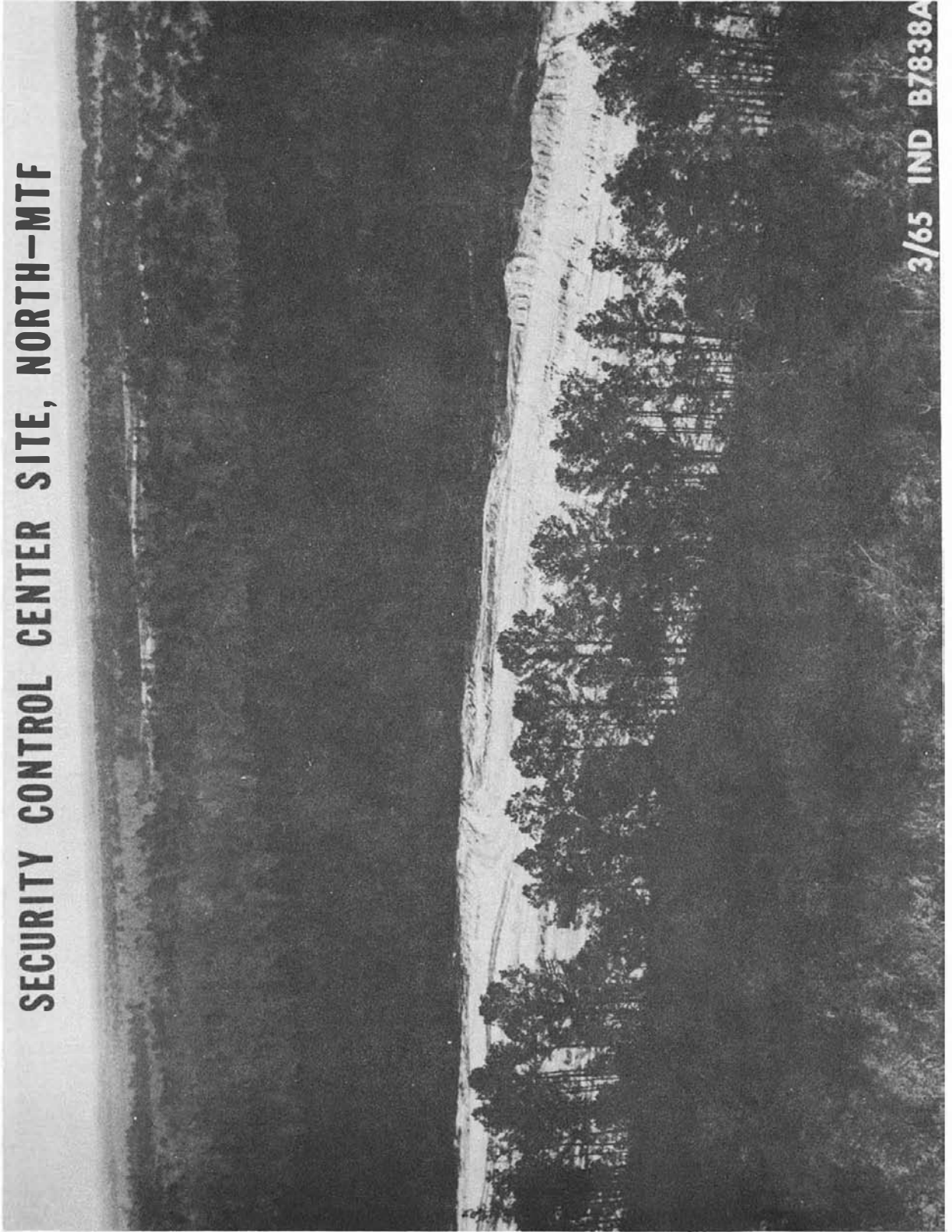
SECURITY CONTROL CENTER SITE, SOUTH - MTF

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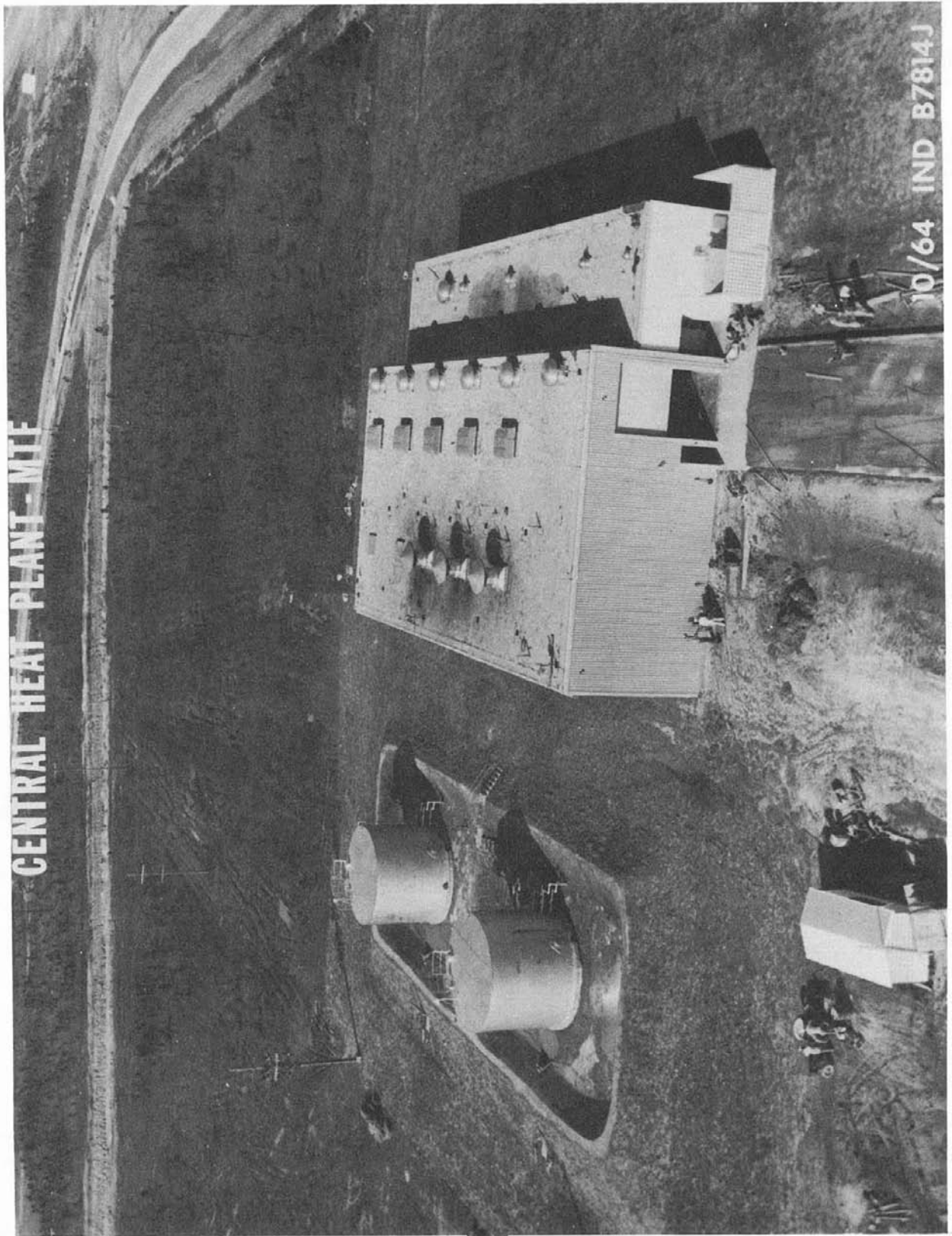
3-65 IND B7839A

SECURITY CONTROL CENTER SITE, NORTH-MTF



3/65 IND B7838A

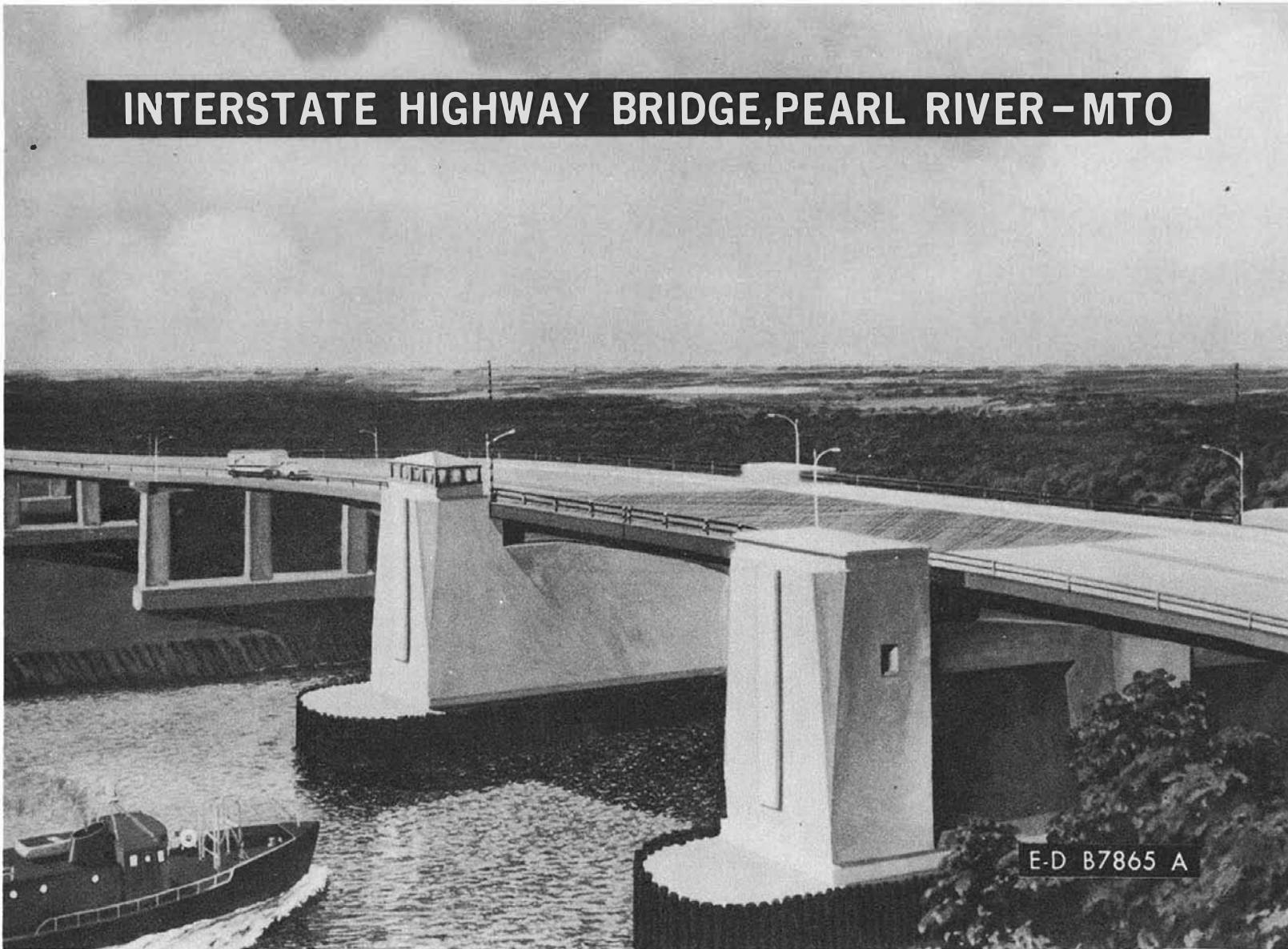
CENTRAL HEAT PLANT - MTF



10/64 IND B7814J

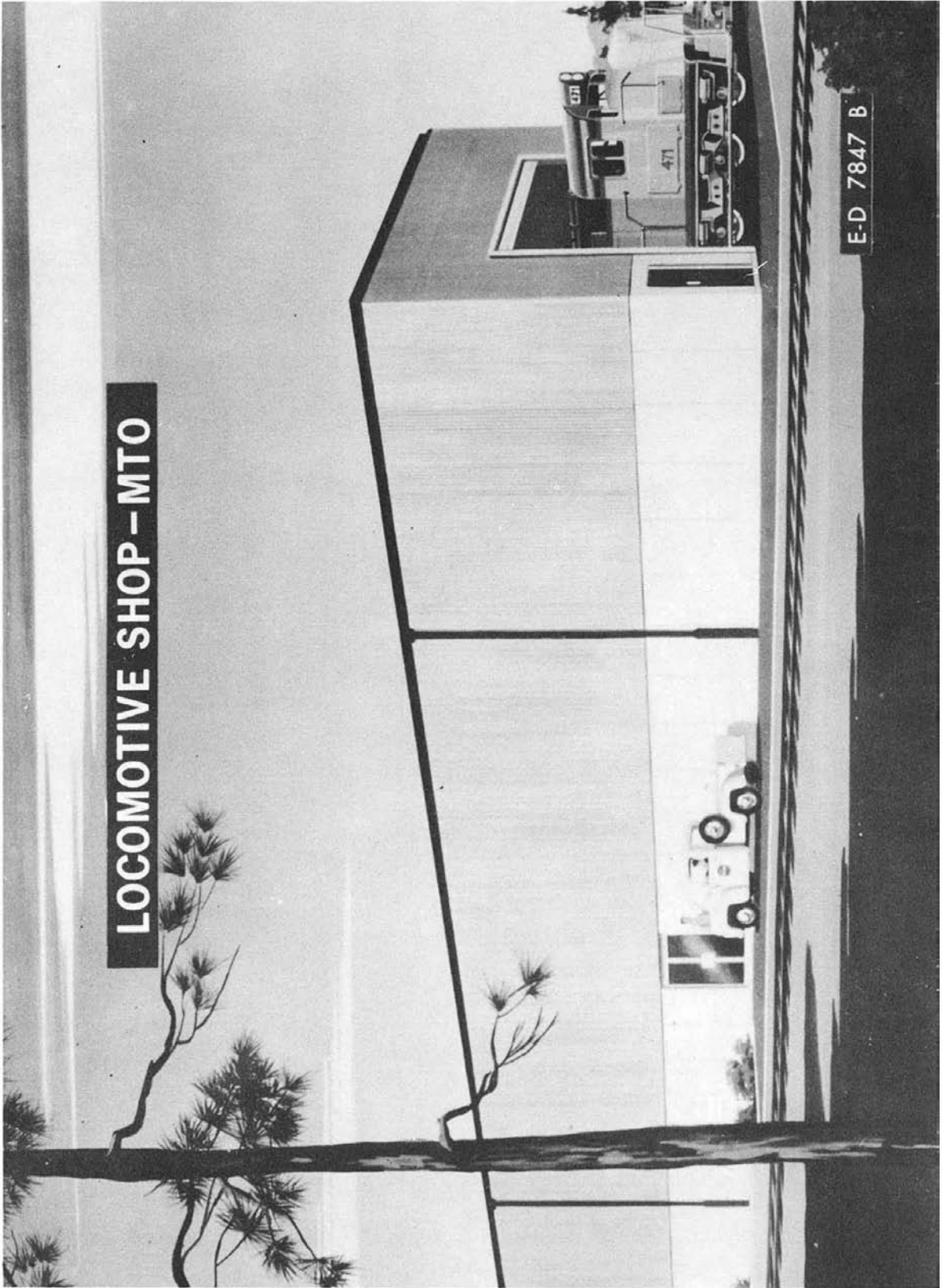
INTERSTATE HIGHWAY BRIDGE, PEARL RIVER - MTO

136



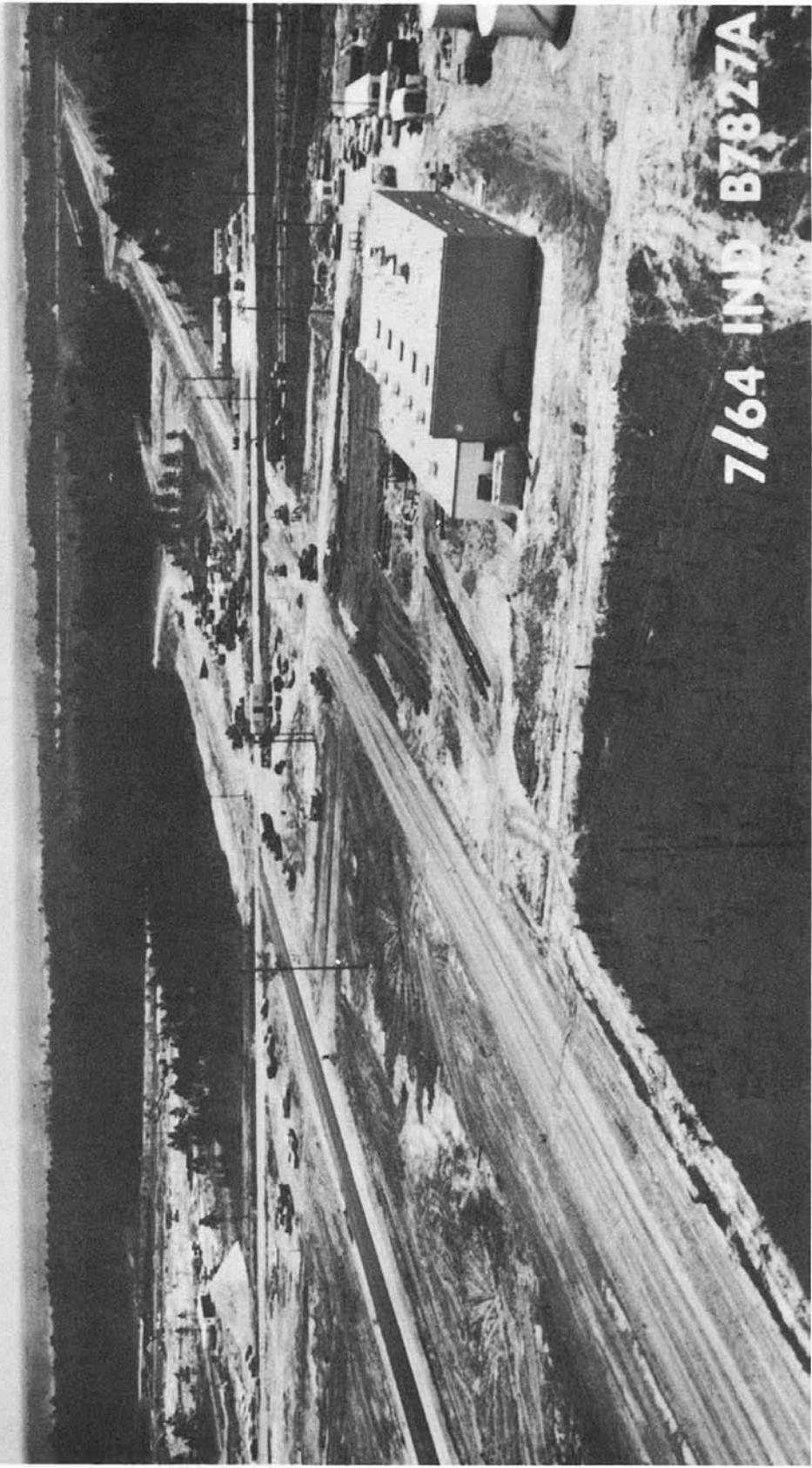
E-D B7865 A

LOCOMOTIVE SHOP - MTO



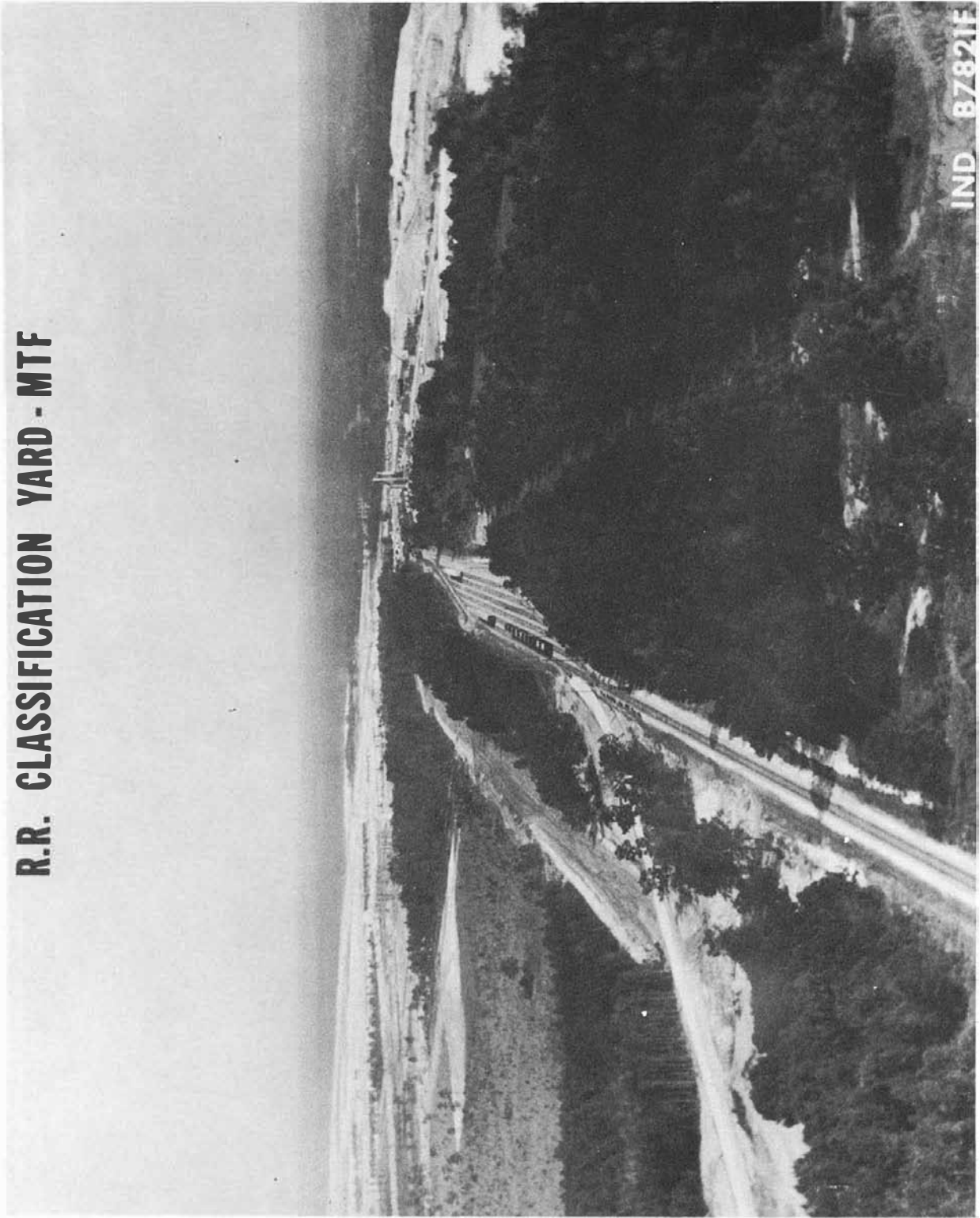
E-D 7847 B

"J" ROAD & R.R. CONSTRUCTION - MTF

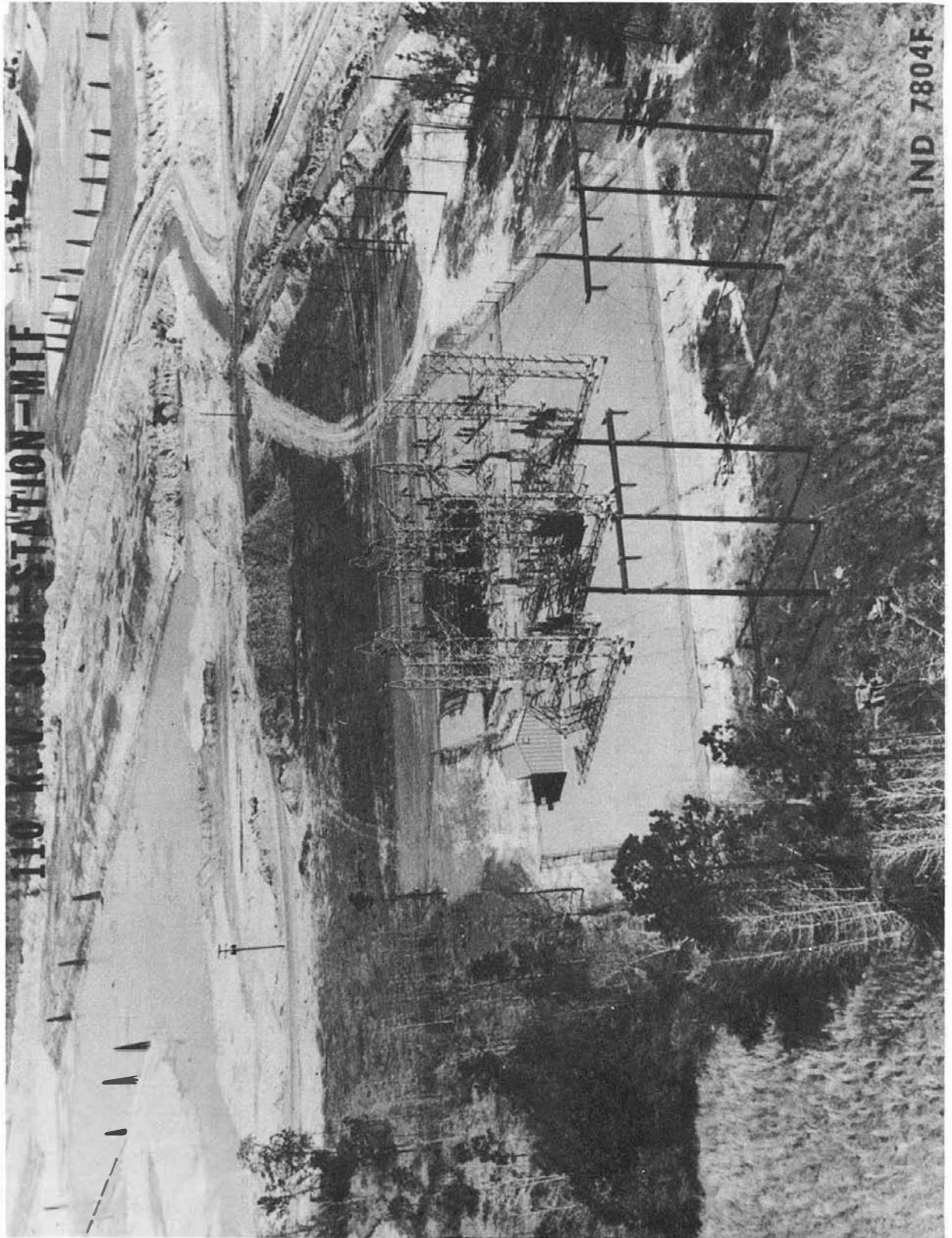


7/64 IND B7827A

R.R. CLASSIFICATION YARD - MTF

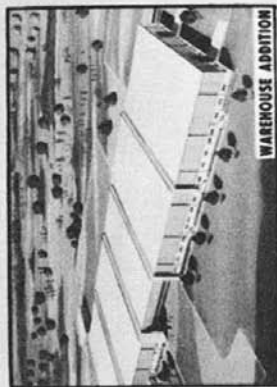


IND. B7821E



MSFC - MISSISSIPPI

APPROVED FISCAL YEAR 1965 FACILITIES



WAREHOUSE ADDITION



SECURITY CONTROL CENTER, NORTH



SATURN 5-1C STAGE TEST STAND



COMPONENTS SERVICE FACILITY

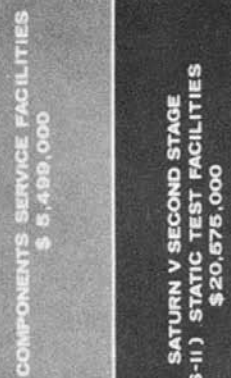
ADDITIONAL UTILITY
INSTALLATIONS &
SUPPORT FACILITIES
\$9,533,000



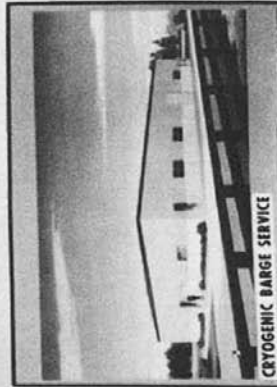
MOBILE EQUIPMENT MAINTENANCE



SATURN V FIRST STAGE
(S-1C) STATIC TEST FACILITY
\$23,284,500



COMPONENTS SERVICE FACILITIES
\$ 5,499,000



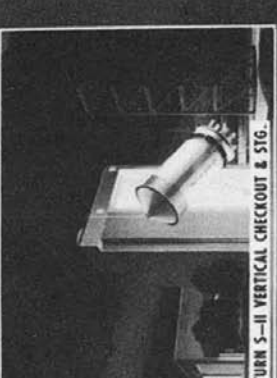
CRYOGENIC BARGE SERVICE



SECURITY CONTROL CENTER, SOUTH



SATURN 5-II TEST STAND



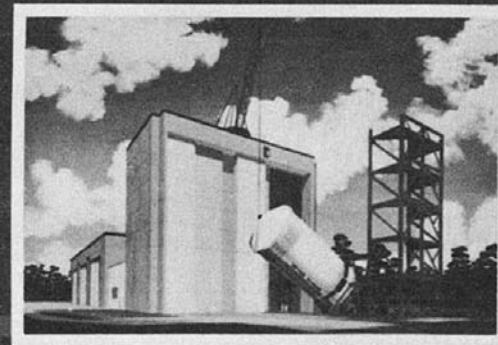
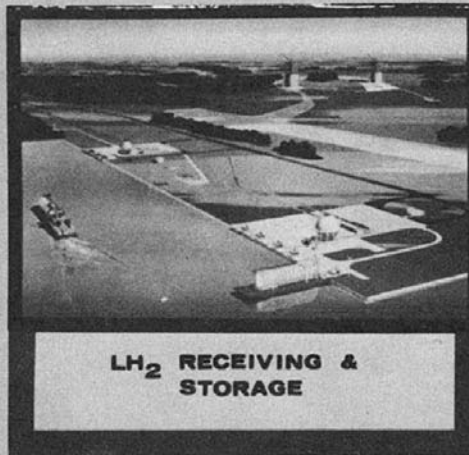
SATURN 5-II VERTICAL CHECKOUT & STG.

SATURN V SECOND STAGE
(S-II) STATIC TEST FACILITIES
\$20,575,000

E-D B7877 A

MSFC - MTO FISCAL YEAR 1966 FACILITIES PROGRAM

142
**GENERAL
SUPPORT
FACILITIES
\$944,000**



**SATURN V SECOND STAGE
(S-II) STATIC TEST FACILITIES
\$1,177,000**

E.D. B7881

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