



Westinghouse
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Energy Systems

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NSRA-APSL-93-0011
Docket No. STN-52-003

January 19, 1993

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

ATTENTION: DR. THOMAS MURLEY

SUBJECT: UPDATED TESTING SCHEDULES FOR THE AP600 TESTING PROGRAM

Dear Dr. Murley:

Please find attached with this letter updated testing schedules for the AP600 Testing Program. These schedules have been updated to reflect progress in the AP600 testing program as of January 8, 1993. These schedules supersede the testing schedules provided in November 1992 (N. J. Liparulo to Dr. T. Murley, ET-NRC-92-3768) and December 1992, (N. J. Liparulo to Dr. T. Murley, ET-NRC-92-3783). As the testing schedule is updated and more detailed milestones are established, this information will be forwarded to the NRC staff.

The Westinghouse Electric Corporation copyright notice is also attached.

Please contact Brian A. McIntyre on (412) 374-4334 if you have any questions concerning this transmittal.

N. J. Liparulo, Manager
Nuclear Safety & Regulatory Activities

/nja

Attachment

cc: P. Bochnert, ACRS
F. Hasselberg, NRC
M. Modro, INEL
G. Rhee, NRC

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9301270118 930119
PDR ADOCK 05200003
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AP600 Test Program Schedules
(current as of 1/8/93)

A. Overall Test Program Schedules

- Figure 1 - PCCS Test Schedules
- Figure 2 - PXS Test Schedules
- Figure 3 - Component Test Schedules

The overall test program schedules detail completed or planned testing. Revisions to previously supplied schedules are indicated.

B. Detailed Schedules

- Figure 4 - PCCS Large Scale Test Schedule
- Figure 5 - Core Makeup Tank Test Schedule
- Figure 6 - SPES-2 Test Schedules
- Figure 7 - ADS Phase B Test Schedule
- Figure 8 - OSU Long Term Cooling Test Schedule

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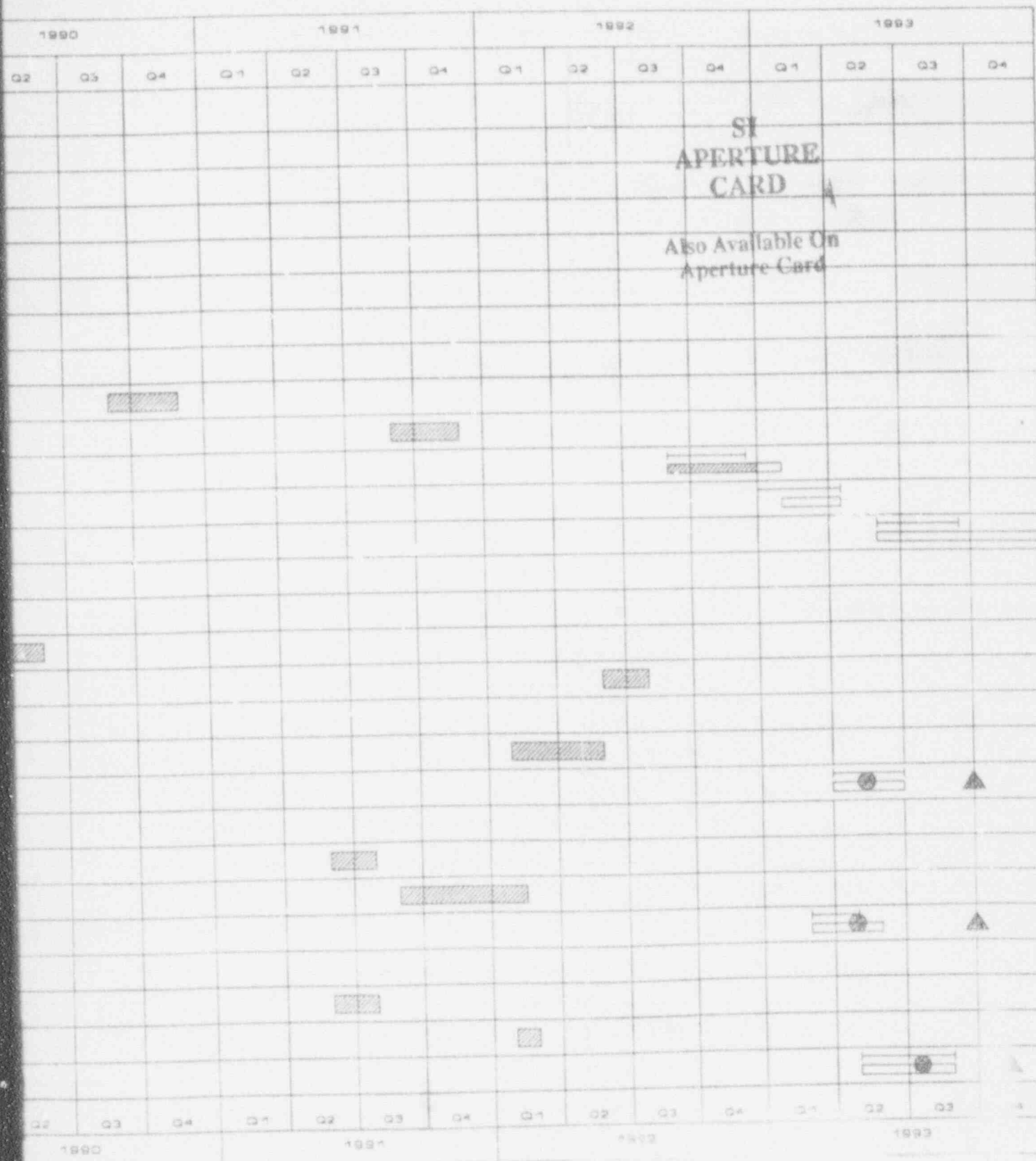
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Figure 1
AP500 TEST PROGRAMS



SCHEDULE AS OF 10/21/92

SCHEDULE AS OF 01/08/93



9301270118-01

TASK NAME	1988				1989				1990		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
SAFETY INJECTION SYSTEMS											
1. NHR SUCTION NOZZLE TEST											
2. DHR HEAT EXCHANGER TEST											
A PHASE 1											
B PHASE 2											
3. ADS TEST											
A PHASE A (SPARGER)											
B PHASE B (VALVES, STAGES 1, 2, 3)											
4. CORE MAKEUP TANK TEST											
5. LONG TERM COOLING TEST											
6. DNBR TEST											
7. RHR INTEGRAL SYSTEM TEST											

SCHEDULE

PROGRESS

COMPLETE

	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3

1988
1989
1990

	SCHEDULE
	PROGRESS
	COMPLETE

Also Available On
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DATA REPORT

SCHEDULE AS OF 01/08/93

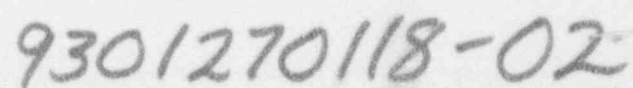


Figure 3

AP600 TEST PROGRAMS

TASK NAME	1988				1989				1990		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
COMPONENT TESTS											
1. RCP/SG CHANNEL HEAD AIR FLOW											
2. RCP JOURNAL BEARING TESTS											
A. PHASE 1											
B. PHASE 2											
3. RCP HIGH INERTIA ROTOR TEST											
4. RCP WATER HYDRAULIC FLOW TEST											
5. SIS BMT TEST											
6. SIS FIV TEST											
7. RV FLOW VISUALIZATION TEST											
8. CHECK VALVE TEST											
A. MECHANICAL											
B. IN-SITU TEST											
C. QUALIFICATION											
9. ADS STAGE 4 VALVE TEST											

SCHEDULE
 PROGRESS
 COMPLETE

Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
1988				1989				1990		

SI APERTURE CARD

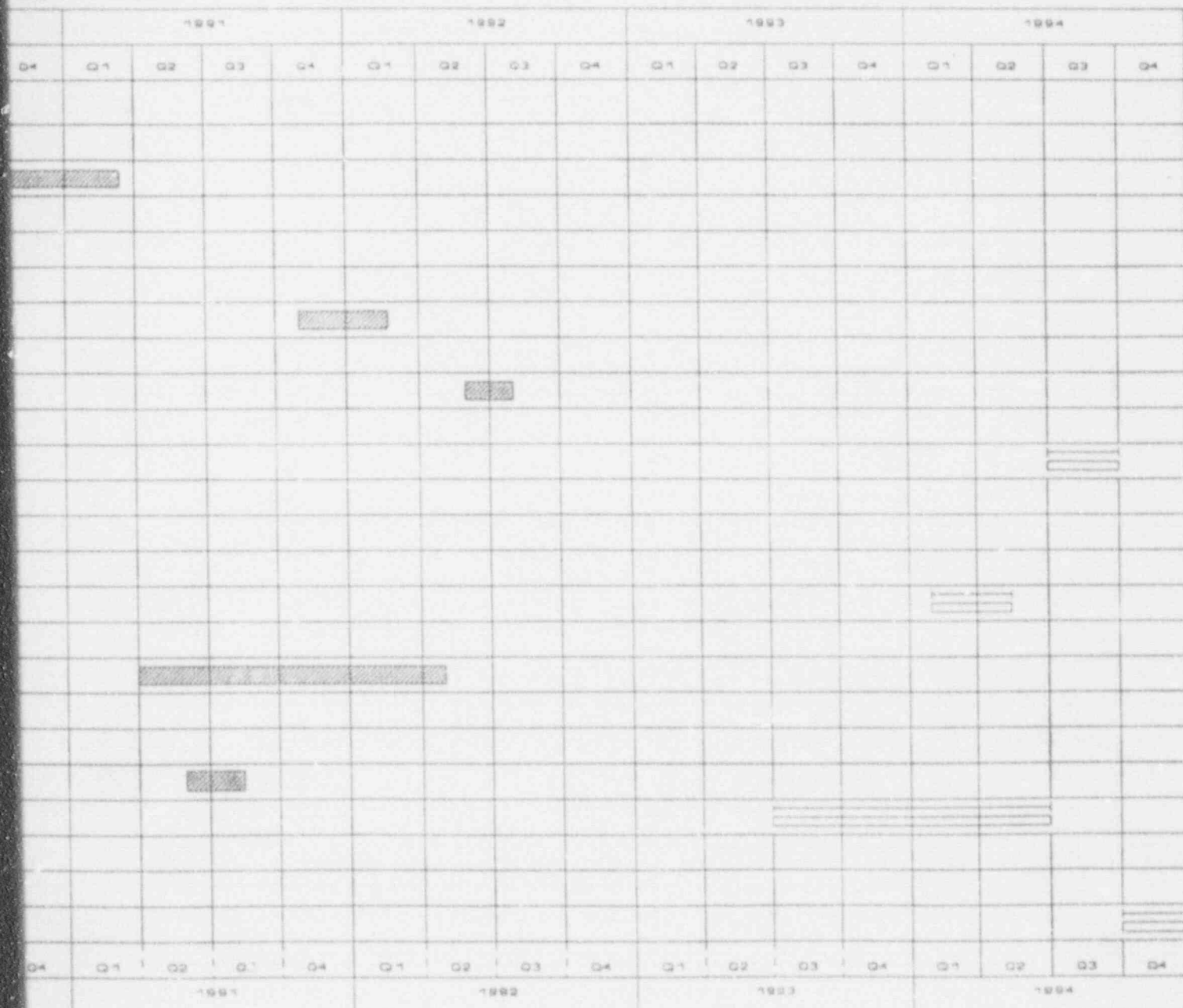
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WITNESS POINT

DATA REPORT

SCHEDULE AS OF 10/21/92

SCHEDULE AS OF 01/08/93

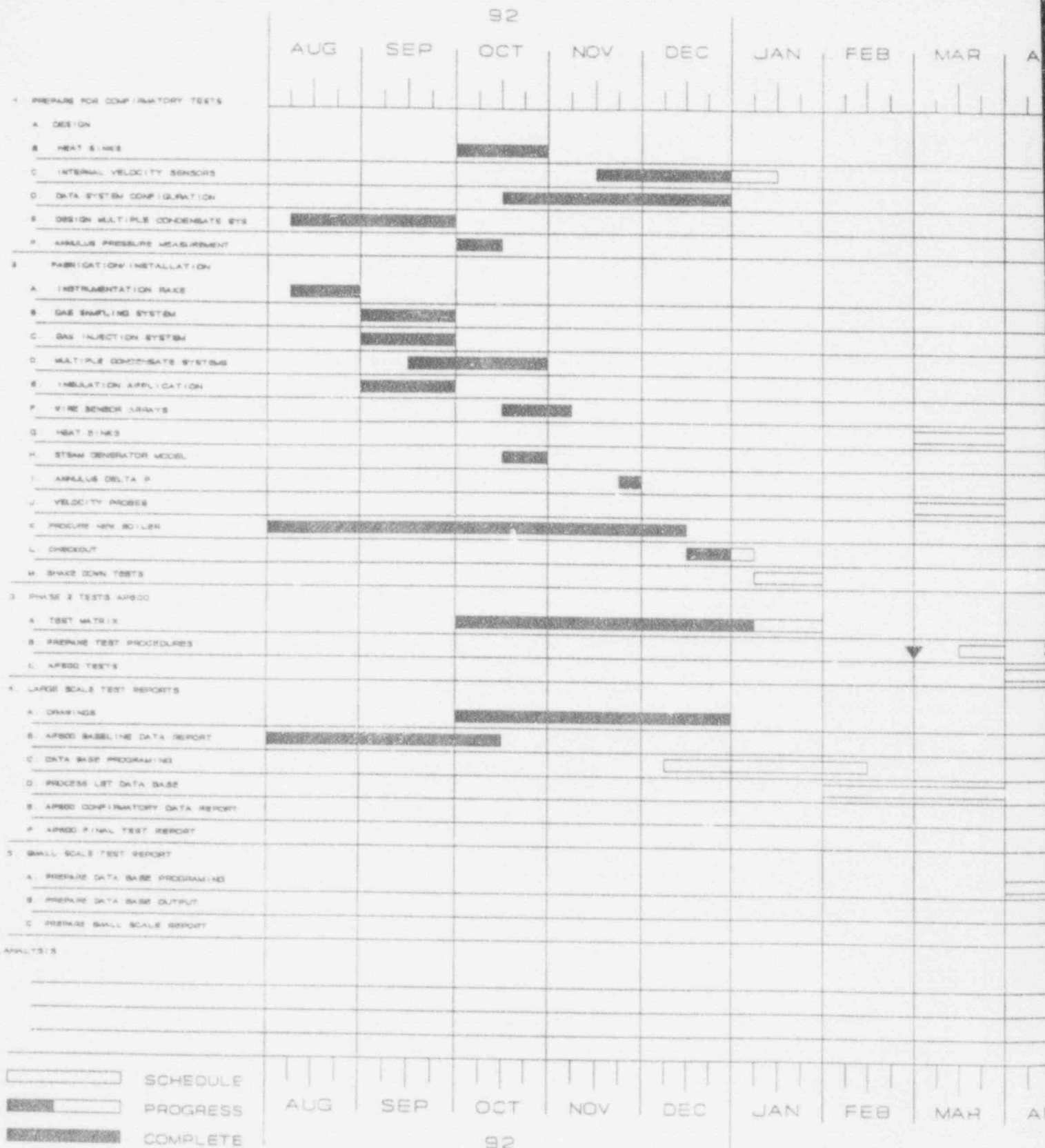


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Figure 4

PCCS LARGE SCALE TEST SCHEDULE

REVIEW/WITNESS



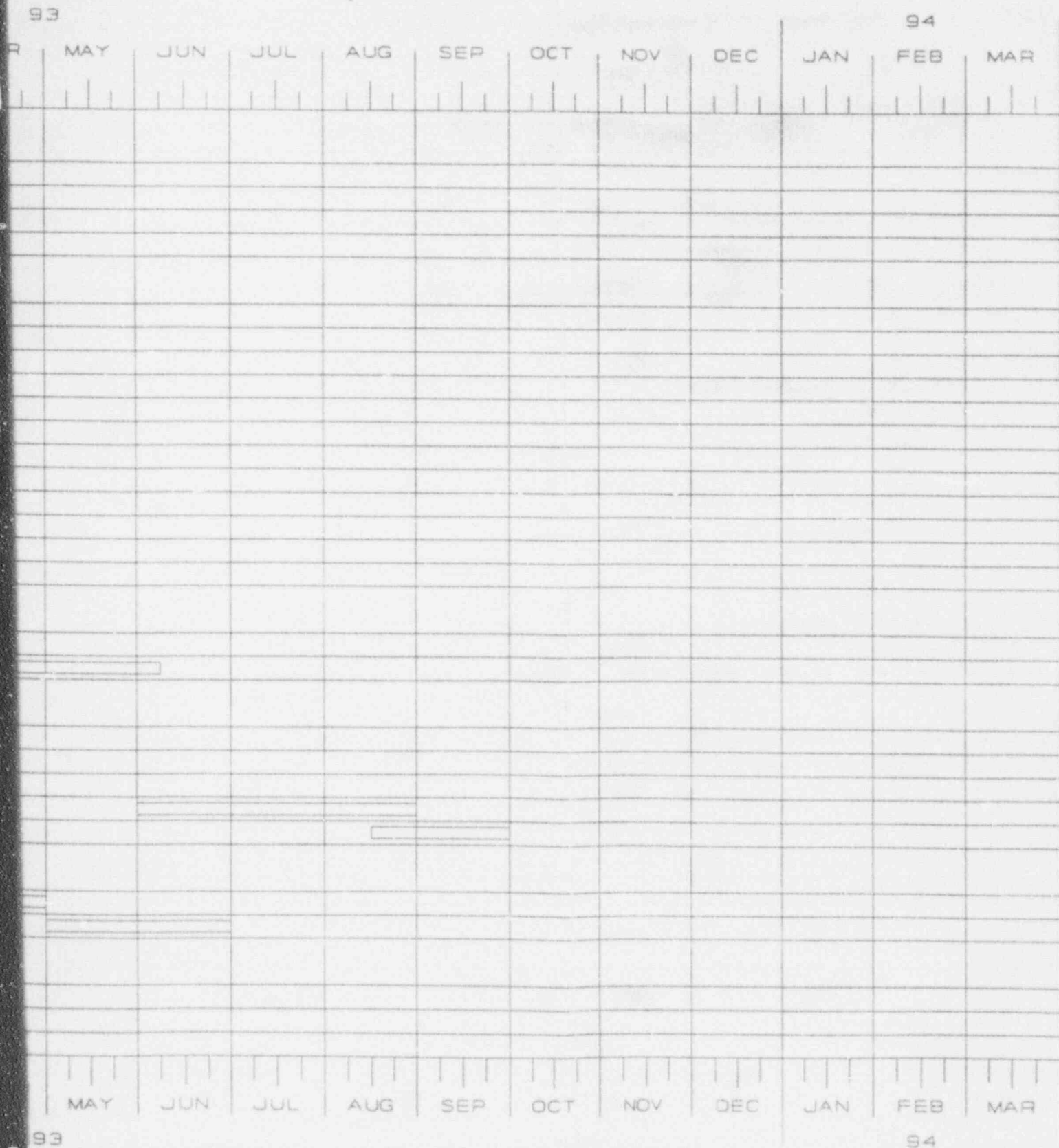
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 [Shaded Bar] PROGRESS
 [Solid Black Bar] COMPLETE

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SCHEDULE AS OF 01/08/93

POINTS
● - NRC
▼ - A & TRT

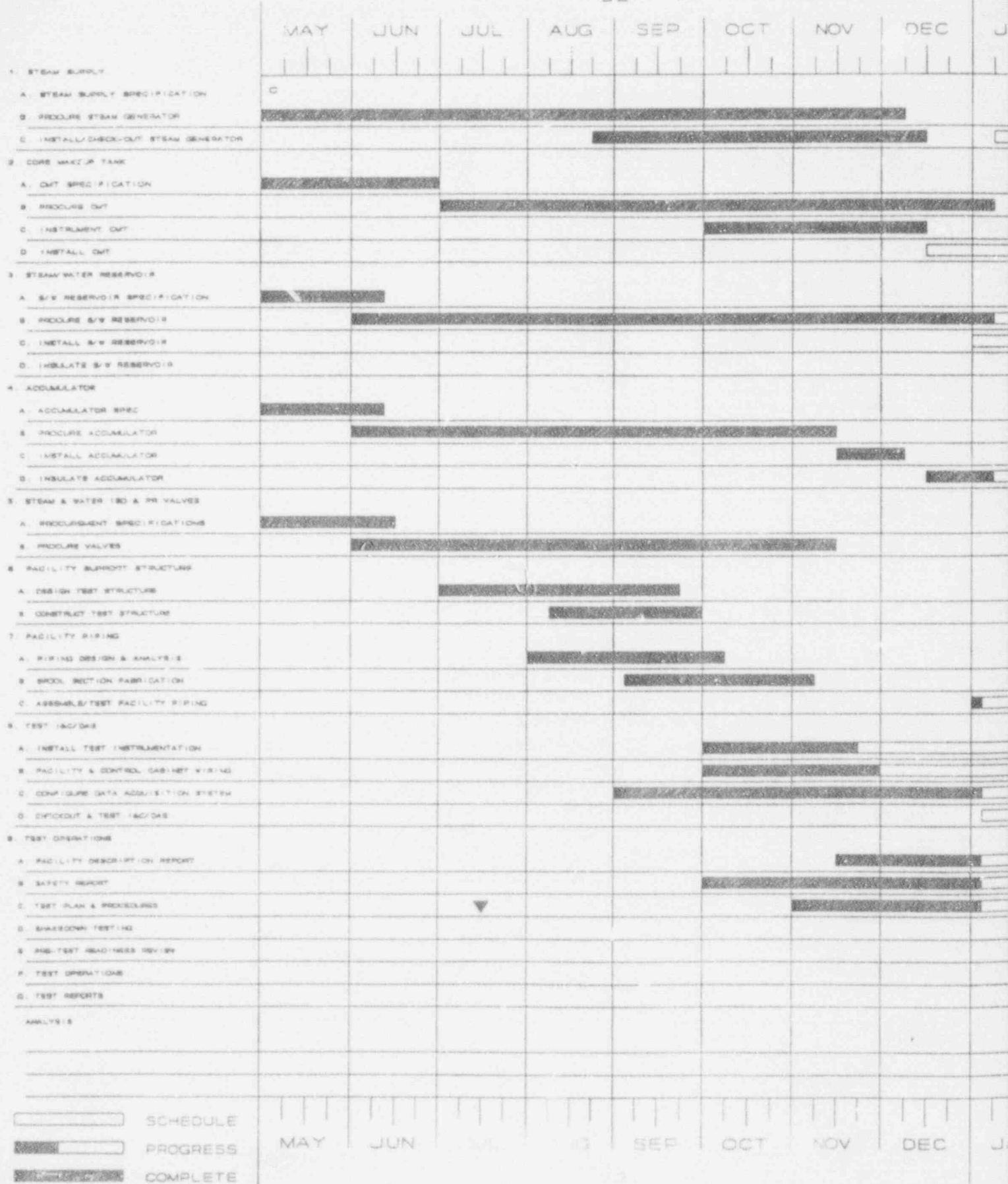


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Figure 5

CORE MAKEUP TANK TEST SCHEDULE

92



93

AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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9301270118-05

Figure 6

SPES-2 TEST SCHEDULE (SHEET 1 OF 2)



- - NRC
- ▼ - A & TRT
- - ENEL

SCHEDULE AS OF 01/08/93

93



9301270118-06

SPES-2 TEST SCHEDULE (SHEET 2 OF 2)



- NRC
- A & TRT
- ENEL

SCHEDULE AS OF 01/08/93

94

JUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN

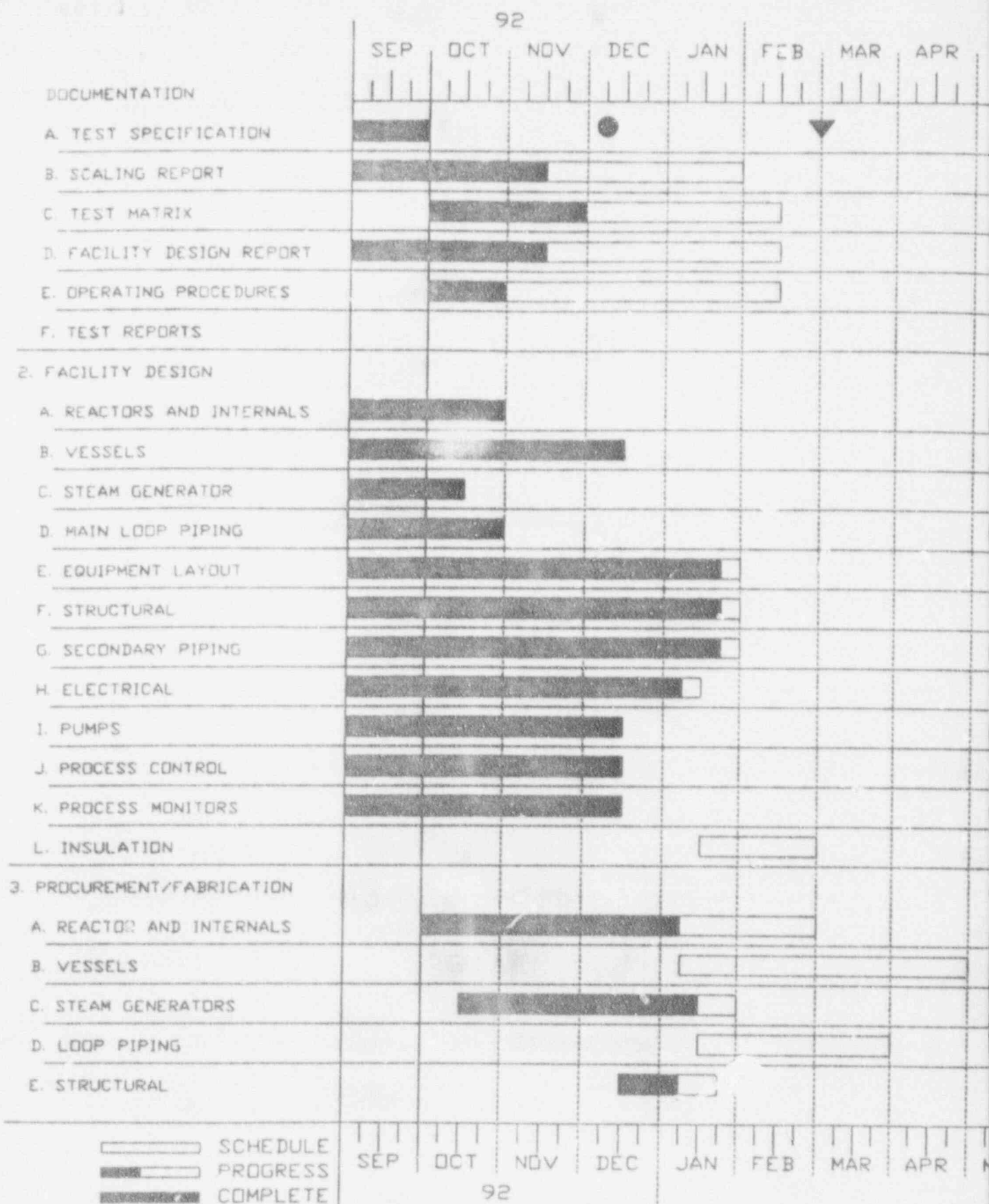
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JUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN

9301270118-07

ING TEST SCHEDULE



SS POINTS

▼ - A & TRT

AS OF 01/08/93

93

94

MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR

SI
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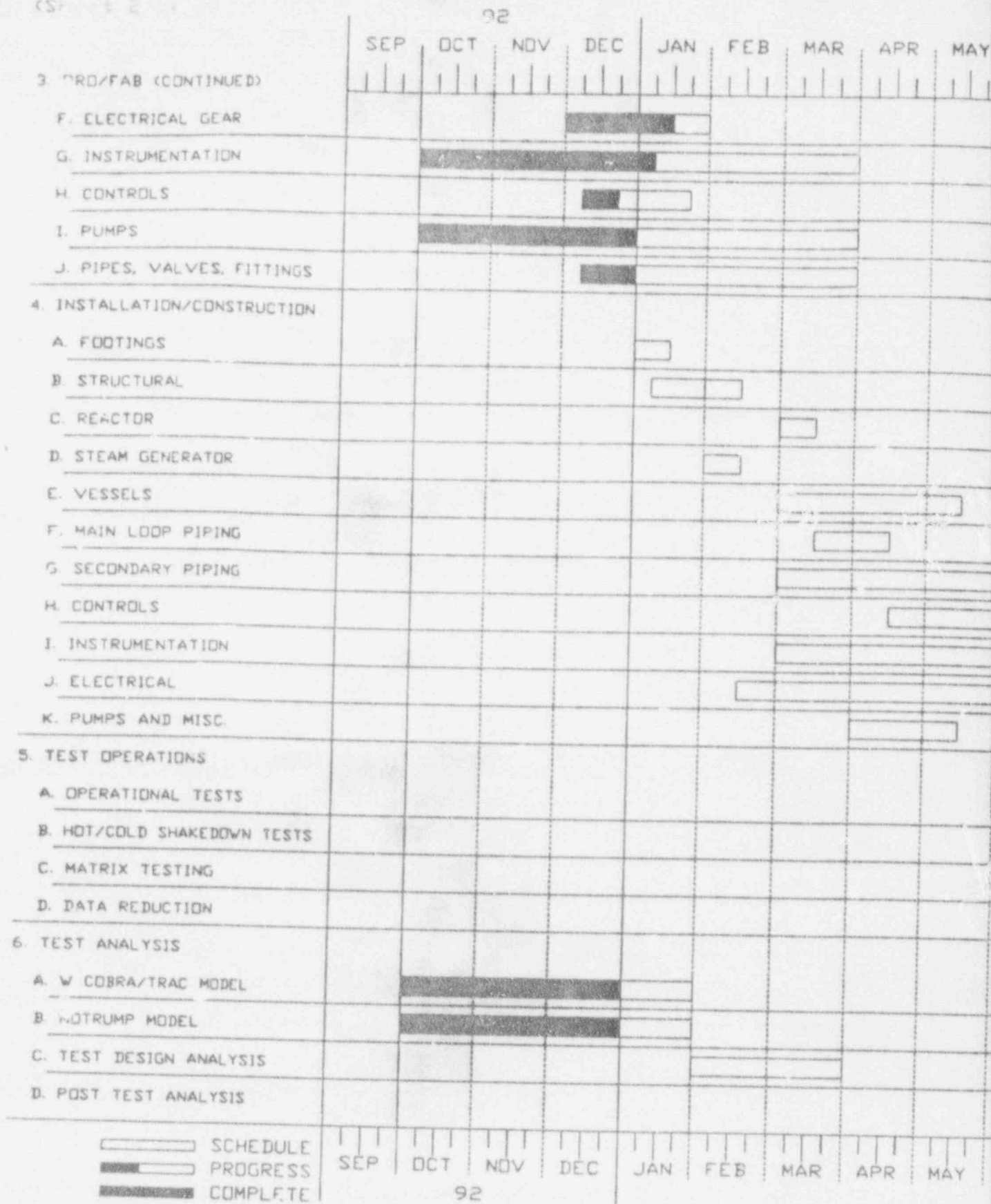
MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR

93

94

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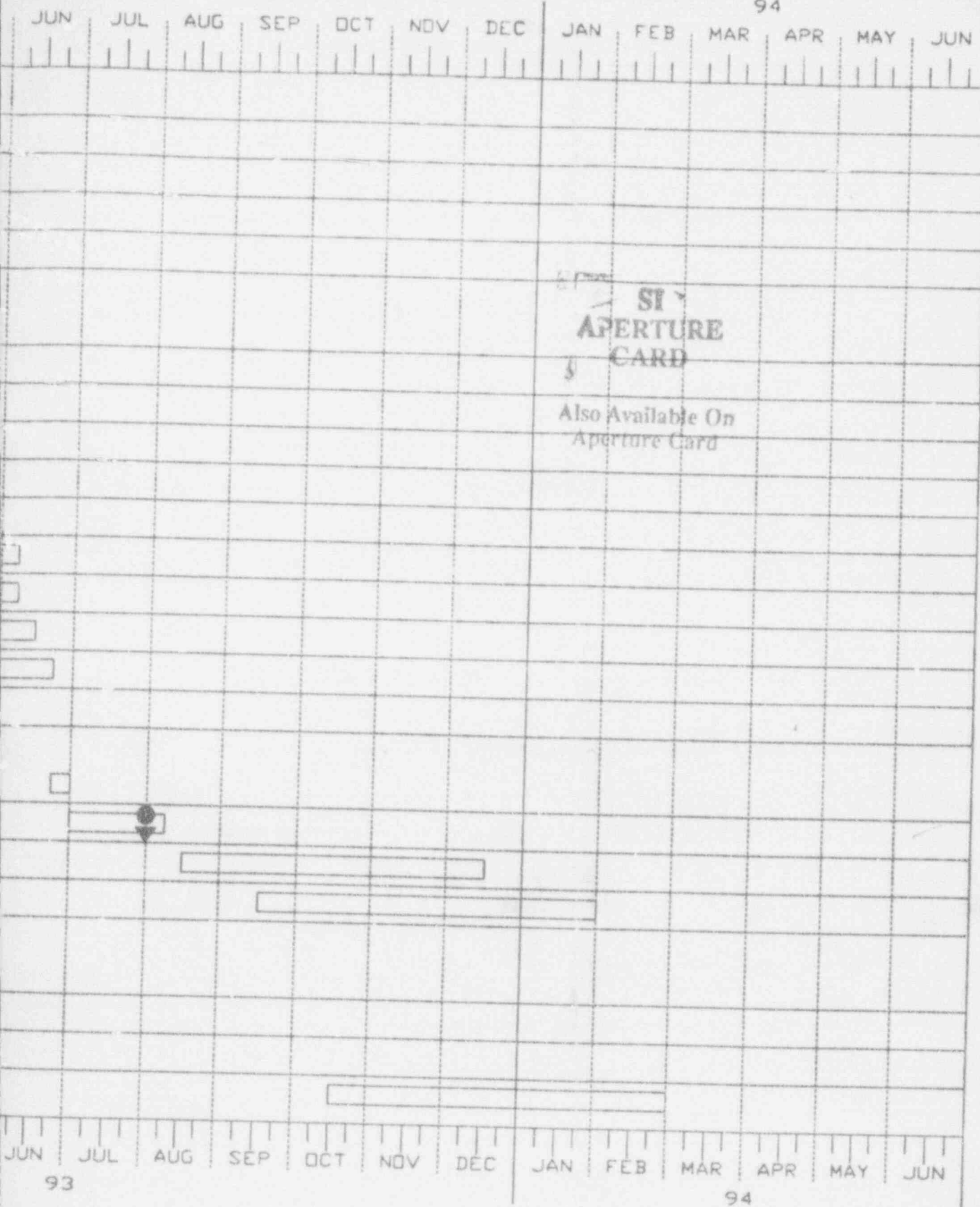
NG TEST SCHEDULE



AS OF 01/08/93

93

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9301270118-09

Figure 7

REVIEW/WITNESS POINTS

ADS PHASE B TEST SCHEDULE



- - NRC
- ▼ - A & TRT
- - ENEL

SCHEDULE AS OF 01/08/93

93

94



SI
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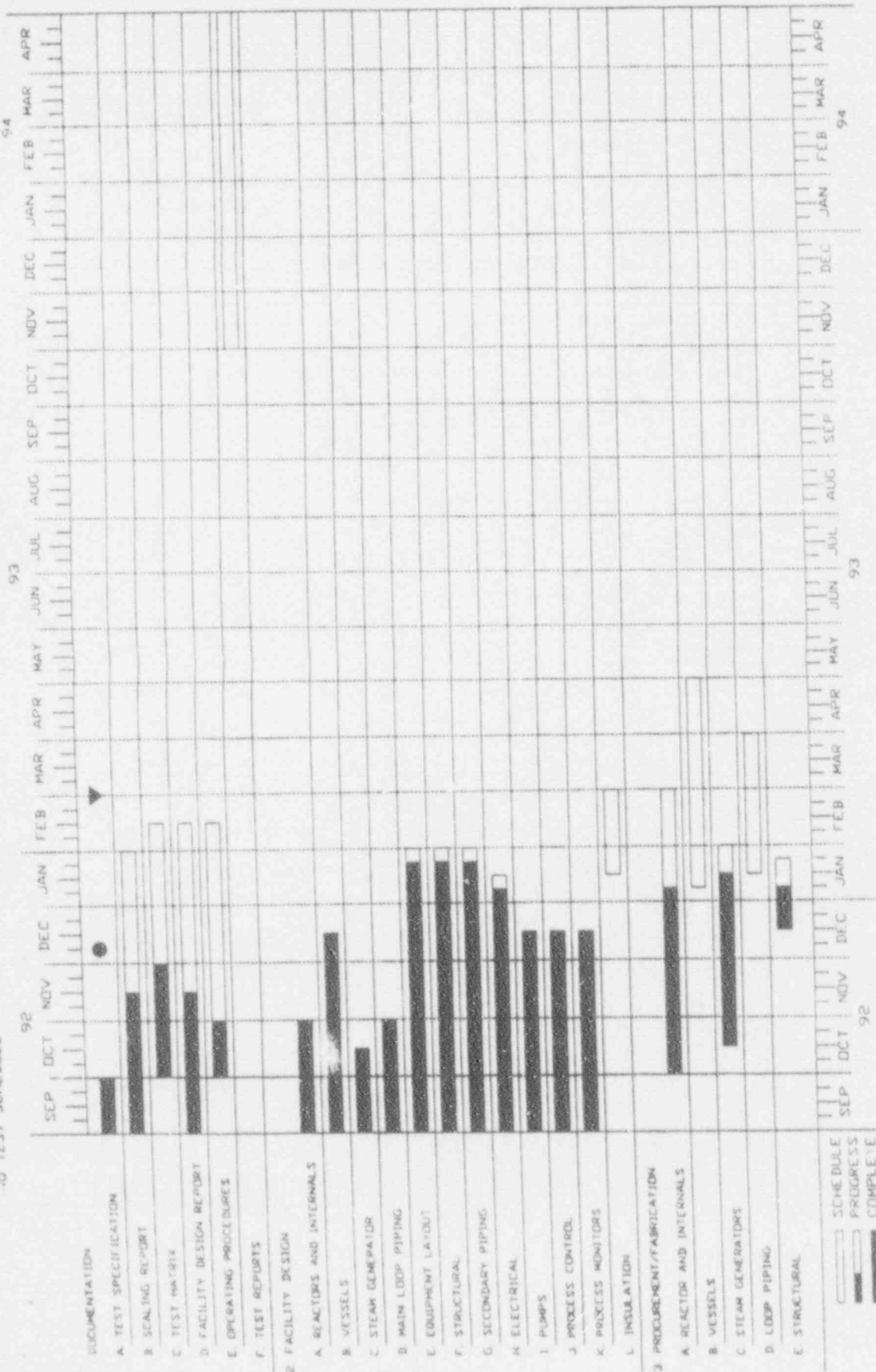
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AS OF 01/08/93

REVIEW/WITNESS PLANTS - A & B

IG TEST SCHEDULE



NG TEST SCHEDULE

AS OF 01/08/93

