



Westinghouse
Electric Corporation

Energy Systems

Box 355
Pittsburgh Pennsylvania 15230-0355

ET-NRC-93-3855
NSRA-APSL-93-0109
Docket No.: STN-52-003

April 13, 1993

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

ATTENTION: MR. R. W. BORCHARDT

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 April 8, 1993. These schedules supersede the testing schedules provided in February 1993 (N. J. Liparulo to R. W. Borchardt, ET-NRC-92-3827). 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. Boehmert, ACRS
F. Hasselberg, NRC
M. Modro, INEL
G. Rhee, NRC

AP600 Test Program Schedules
(current as of 4/8/93)

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

COPYRIGHT NOTICE

The reports transmitted herewith each bear a Westinghouse copyright notice. The NRC is permitted to make the number of copies of the information contained in these reports which are necessary for its internal use in connection with generic and plant-specific reviews and approvals as well as the issuance, denial, amendment, transfer, renewal, modification, suspension, revocation, or violation of a license, permit, order, or regulation subject to the requirements of 10 CFR 2.790 regarding restrictions on public disclosure to the extent such information has been identified as proprietary by Westinghouse, copyright protection notwithstanding. With respect to the non proprietary versions of these reports, the NRC is permitted to make the number of copies beyond those necessary for its internal use which are necessary in order to have one copy available for public viewing in the appropriate docket files in the public document room in Washington, D.C. and in local public document rooms as may be required by NRC regulations if the number of copies submitted is insufficient for this purpose. The NRC is not authorized to make copies for the personal use of members of the public who make use of the NRC public document rooms. Copies made by the NRC must include the copyright notice in all instances and the proprietary notice if the original was identified as proprietary.

Figure 1

PASSIVE CONTAINMENT

AP600 TEST PROGRAMS



100

SCHEDULE AS OF 04/08/93



9304160067-01

Figure 2

PASSIVE CORE COOL

AP600 TEST PROGRAMS

TASK NAME	1988				1989				1990		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
SAFETY INJECTION SYSTEMS											
1. PRHR HEAT EXCHANGER TEST											
A. PHASE 1											
B. PHASE 2											
2. ADS TEST											
A. PHASE A (SPARGER)											
B. PHASE B CVALVES, STAGES 1, 2, 3D											
3. CORE MAKEUP TANK TEST											
4. LONG TERM COOLING TEST (OSU)											
5. DNBR TEST											
6. PHFP INTEGRAL SYS TEST (SPEP)											
<div></div> SCHEDULE <div></div> PROGRESS <div></div> COMPLETE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	1988				1989				1990		

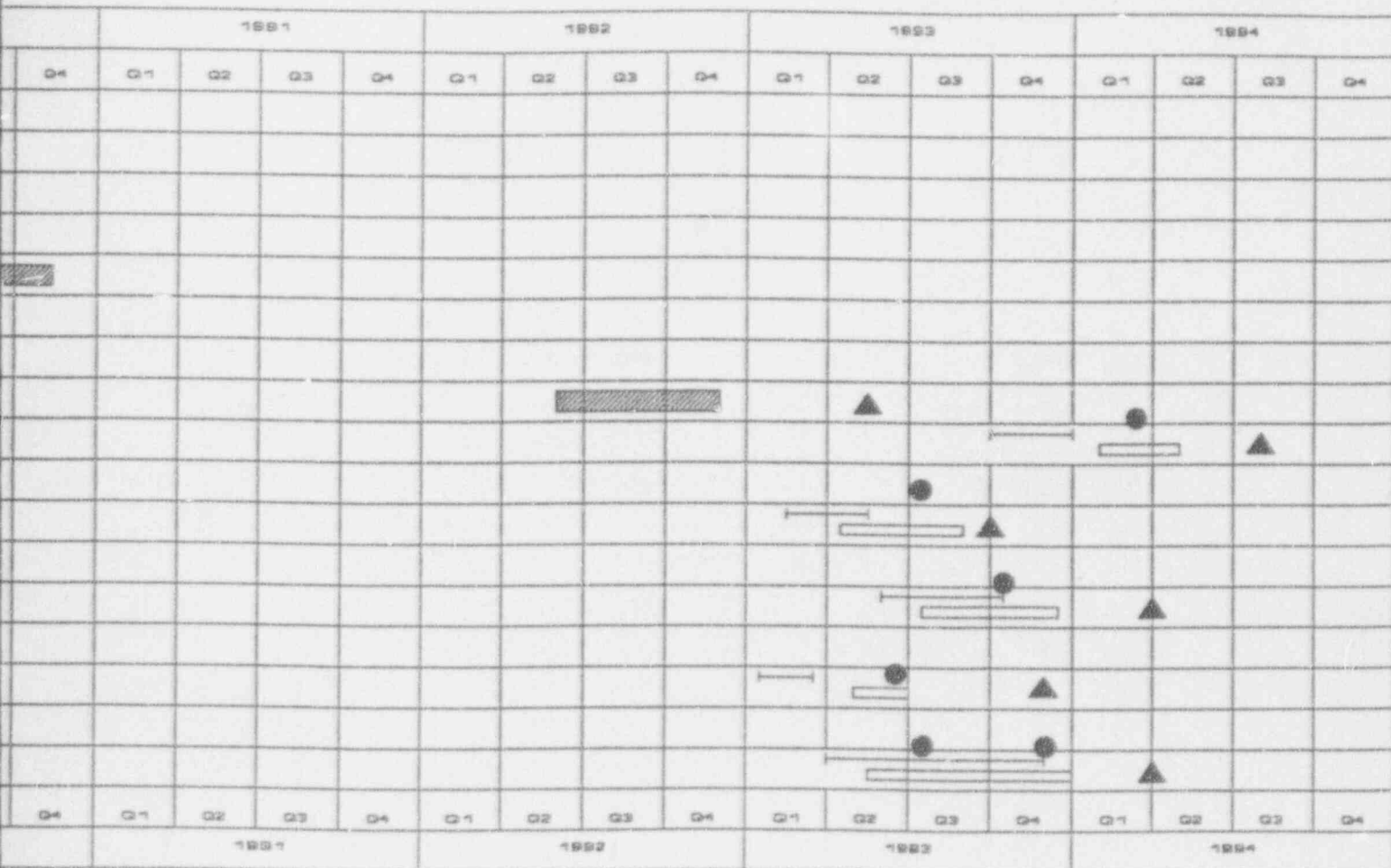
ING SYSTEMS TESTS

WITNESS POINT

———— SCHEDULE AS OF 10/21/92

DATA REPORT

———— SCHEDULE AS OF 04/08/93



SI
APERTURE
CARD

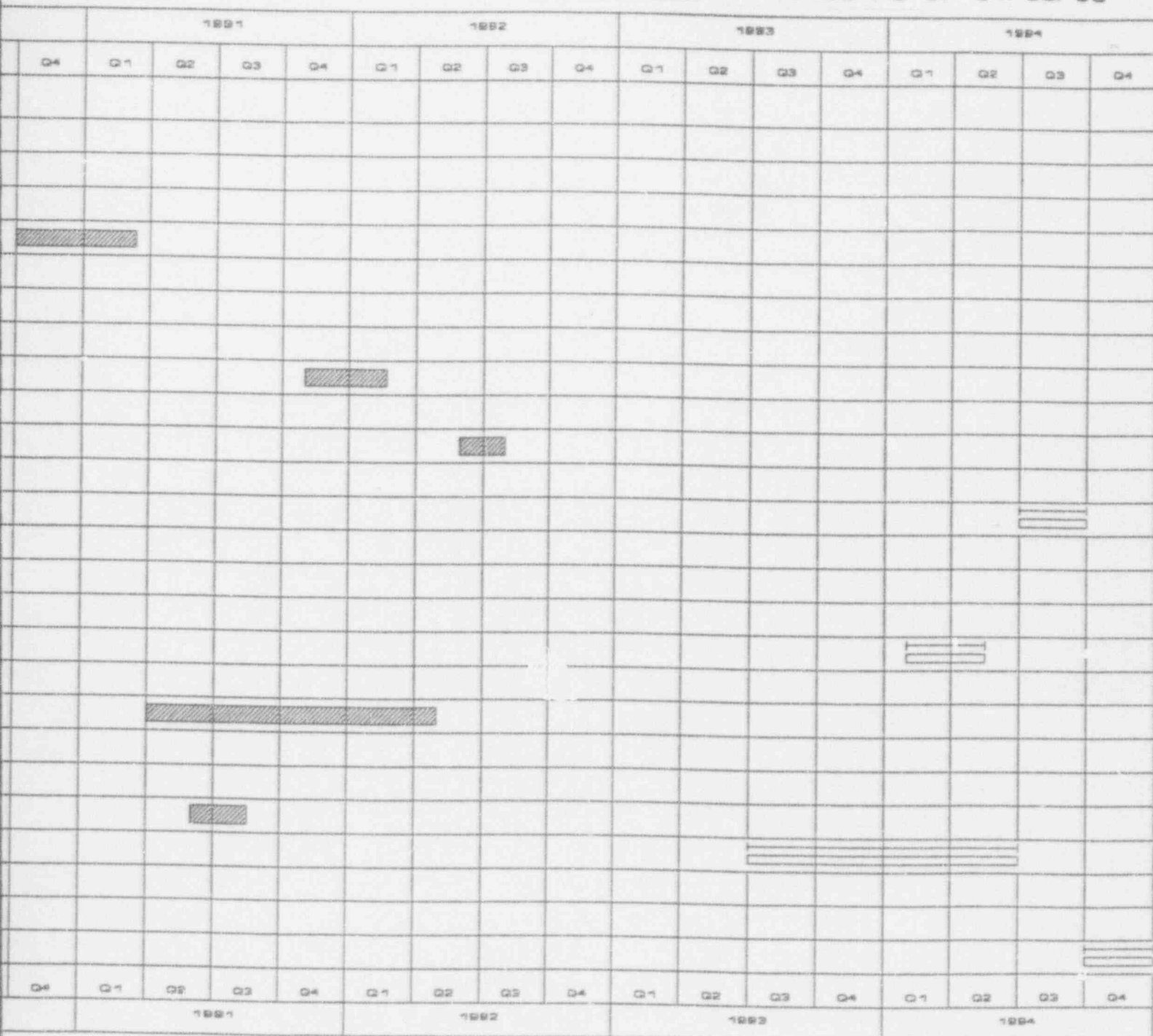
Also Available On
Aperture Card

9304160067-02

VERIFICATION TESTS

DATA REPORT

SCHEDULE AS OF 10/21/92
SCHEDULE AS OF 04/08/93



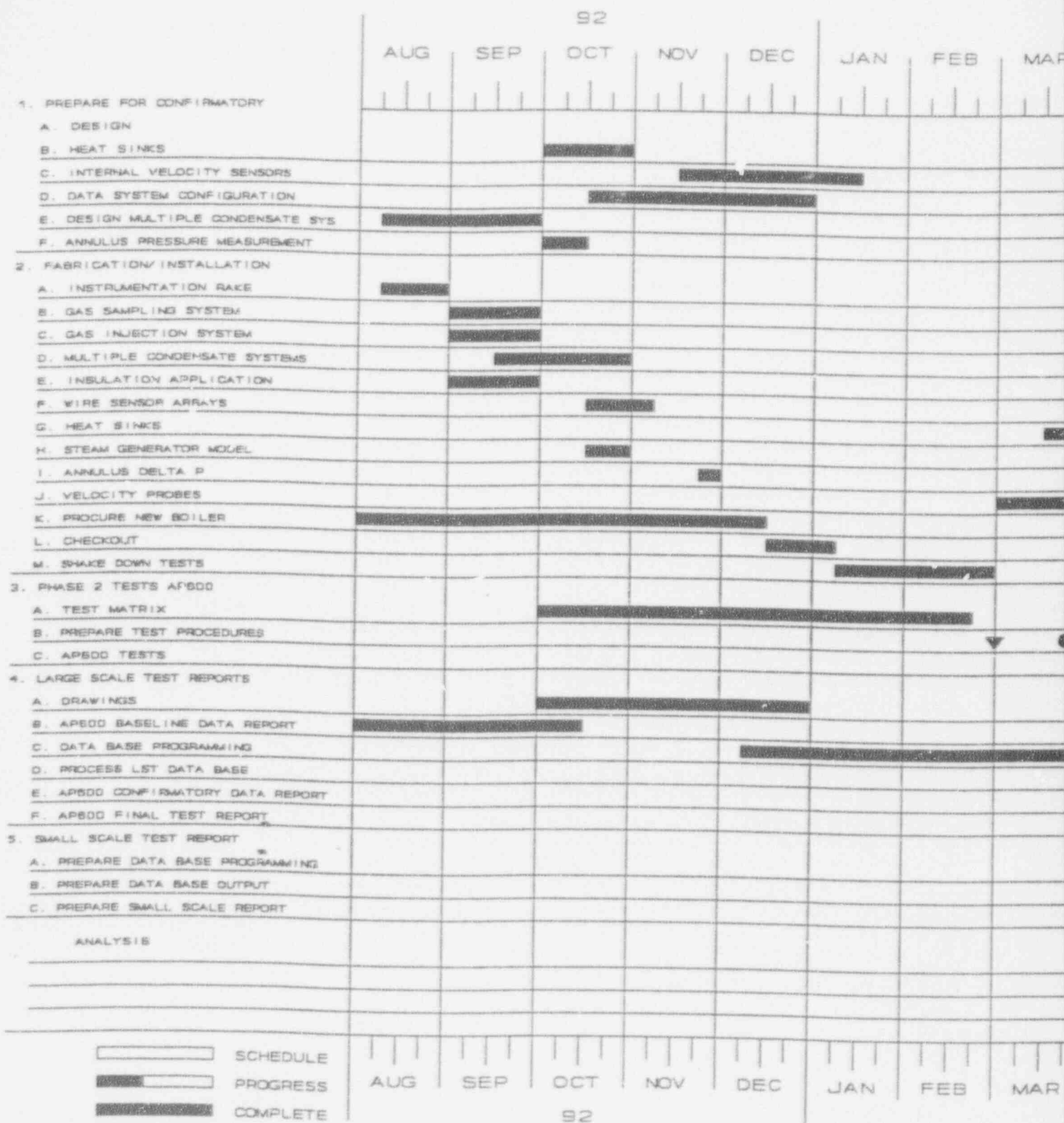
SI
APERTURE
CARD

Also Available On
Aperture Card

9304160067-03

Figure 4 PCCS LARGE SCALE TEST SCHEDULE

REVIEW/W



NESS POINTS

6 - NRC
V - A & TRT

SCHEDULE AS OF 04/08/93

93

94

APR

MAY

JUN

JUL

AUG

SEP

OCT

NOV

DEC

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

SEP

OCT

NOV

DEC

JAN

FEB

MAR

93

SI

94

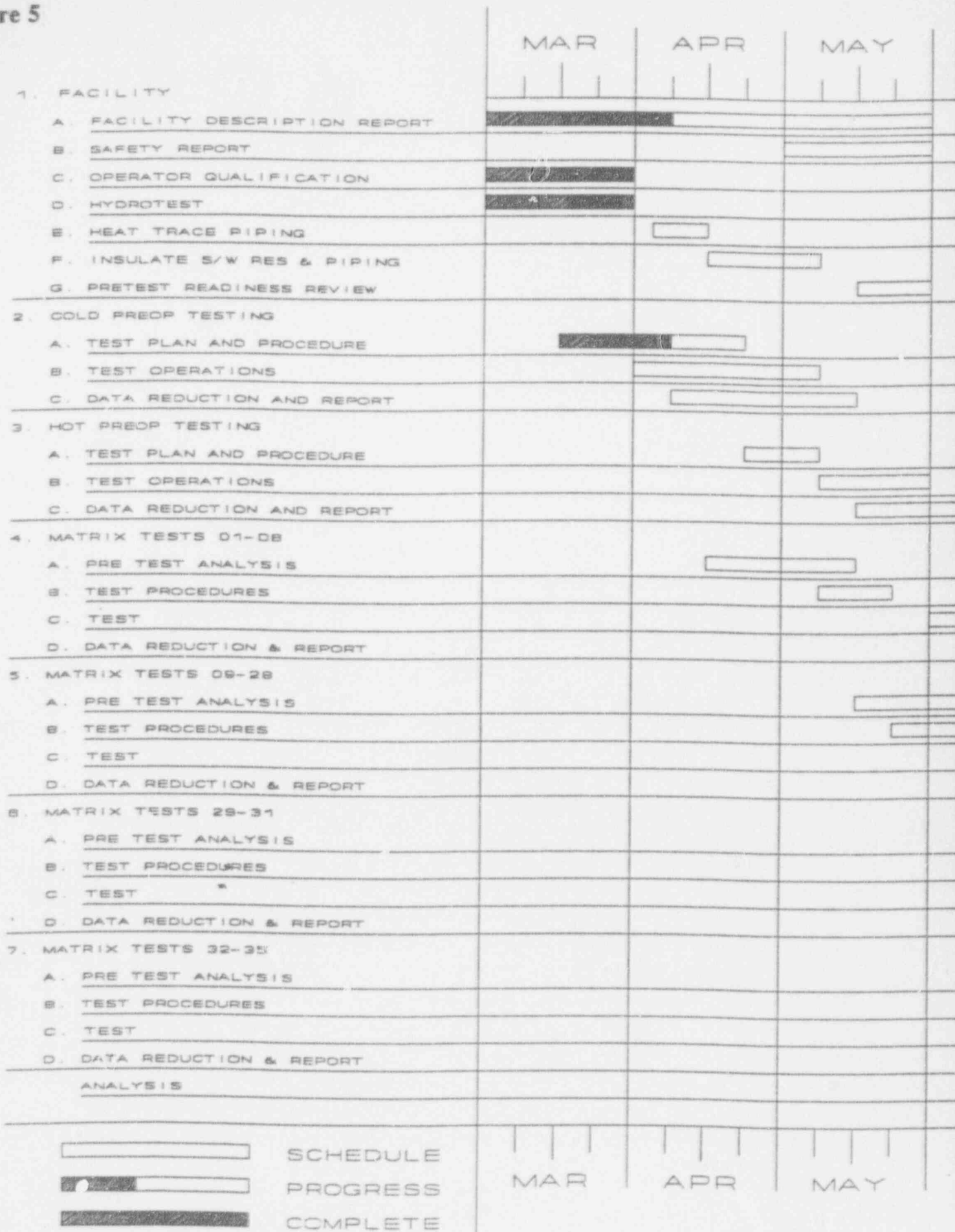
APERTURE
CARD

Also Available On
Aperture Card

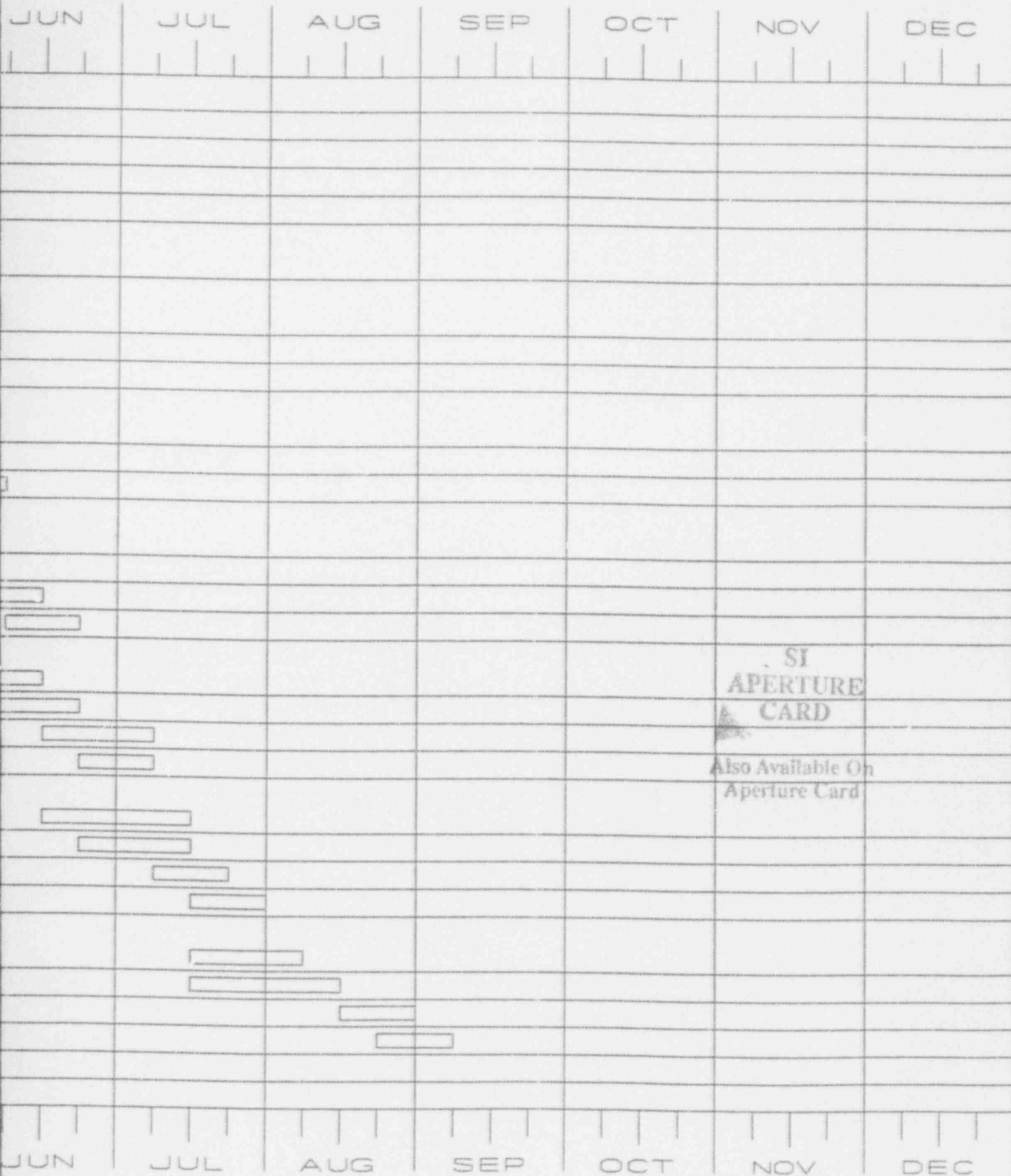
9304160067-04

CORE MAKEUP TANK TEST SCHEDULE

Figure 5



93

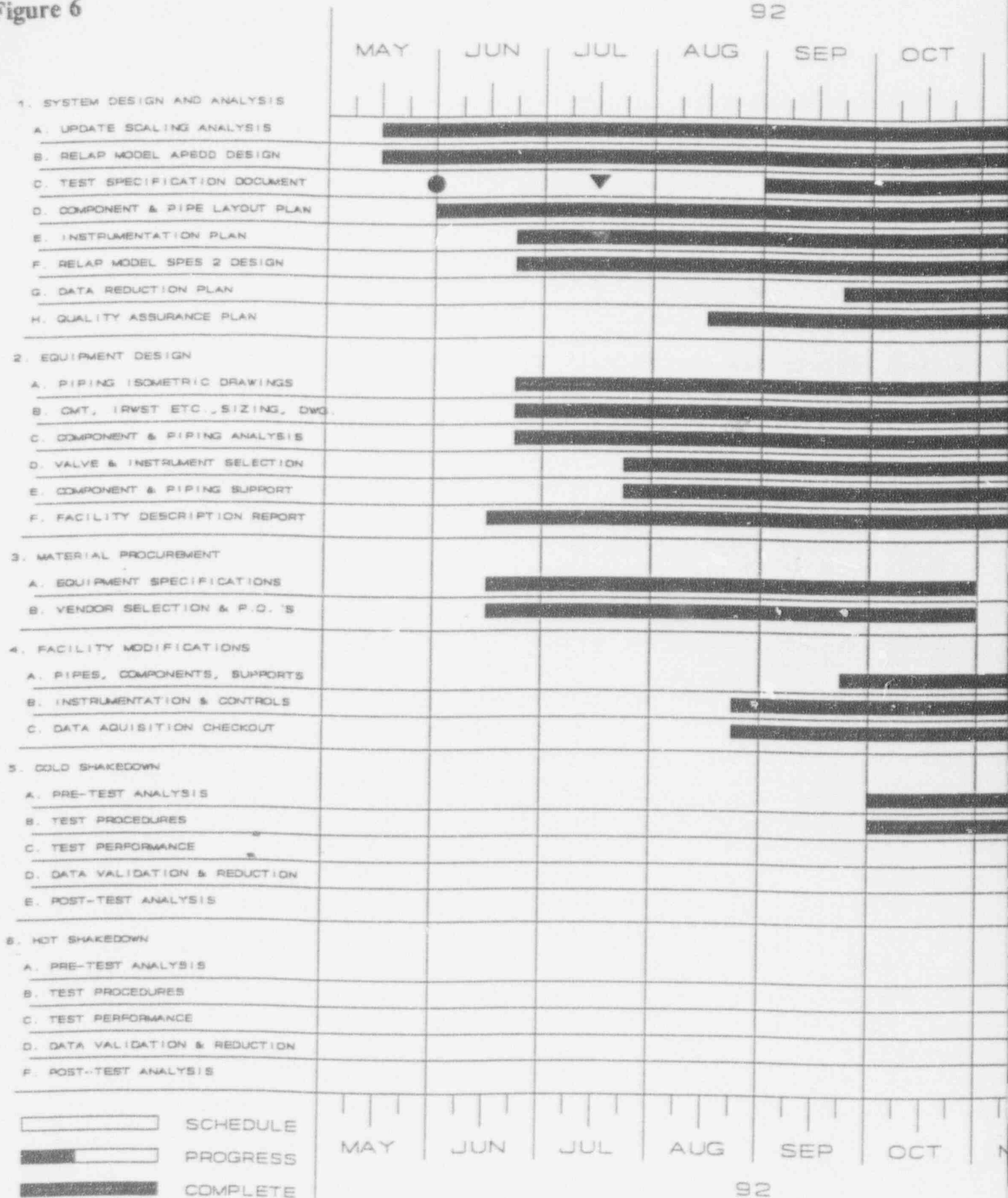


93

9304/60067-05

Figure 6

92



92

- - NRC
- ▼ - A & TRT
- - ENEL

SCHEDULE AS OF 04/08/93



9304160067-06

Figure 6 (continued)

SPES-2 TEST SCHEDULE (SHEET 2 OF 2)

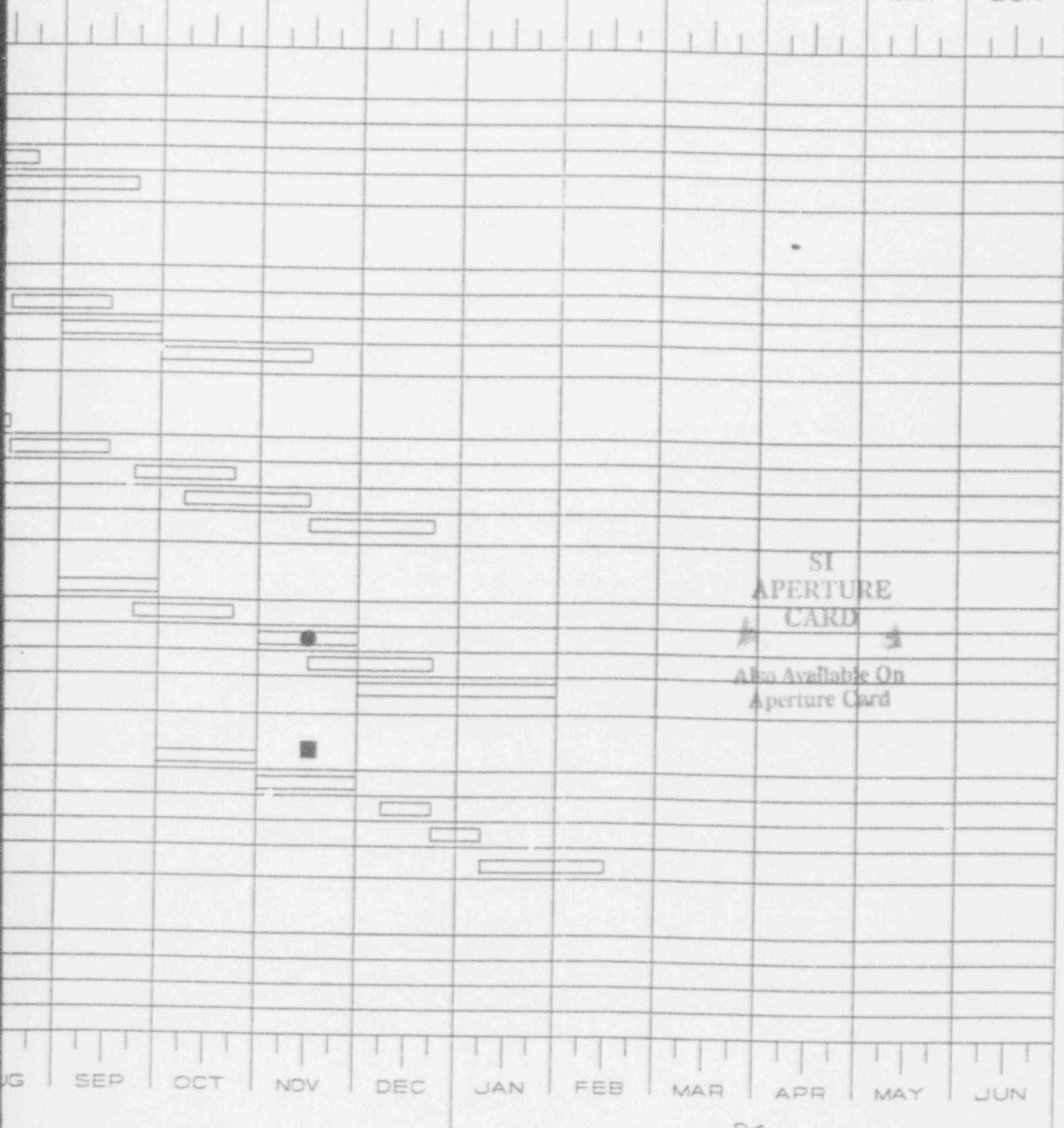


- NRC
- A & TRT
- ENEL

SCHEDULE AS OF 04/08/93

94

UG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN



SI
APERTURE
CARD

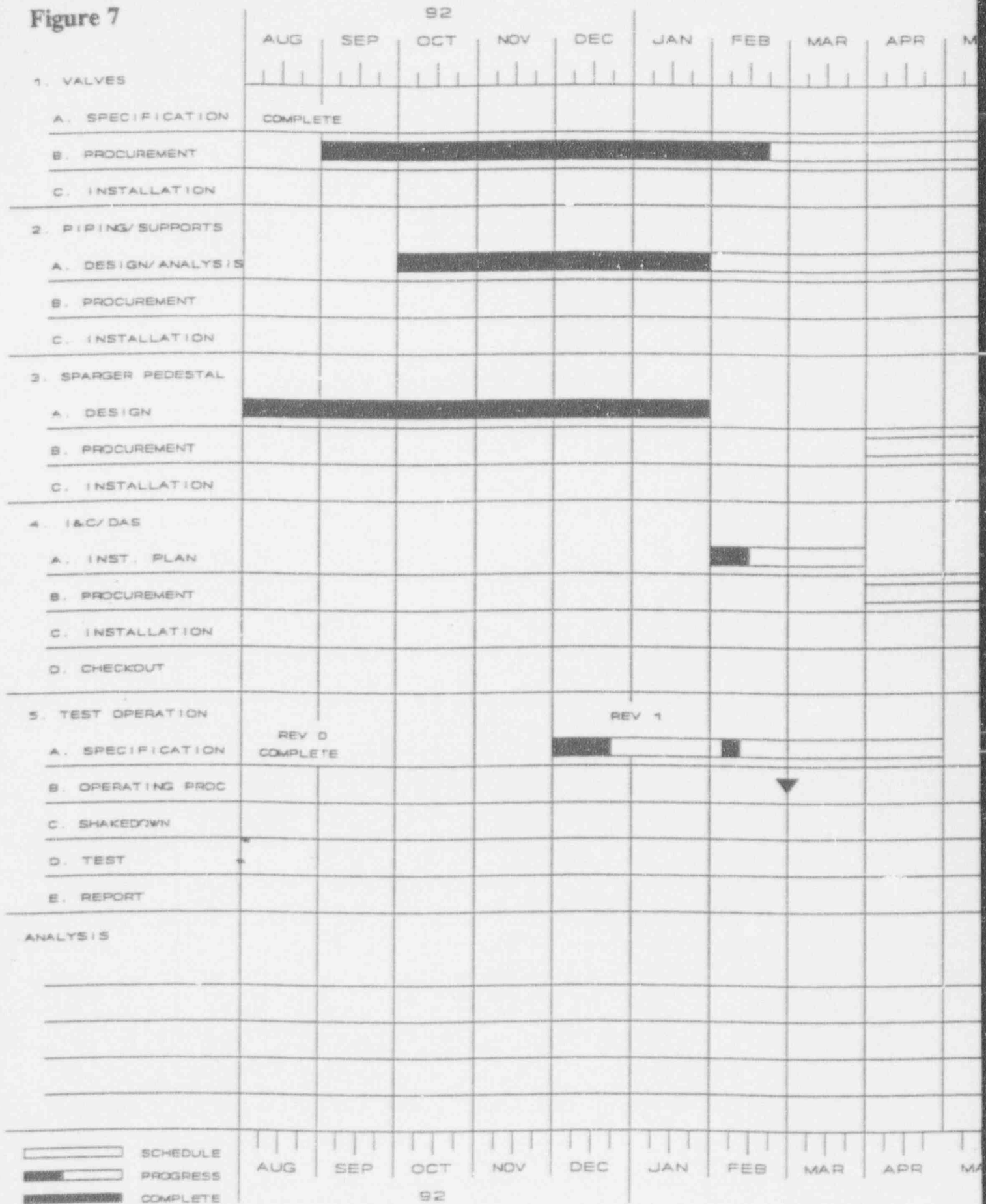
Also Available On
Aperture Card

94

9304160067-07-

ADS PHASE B TEST SCHEDULE

Figure 7

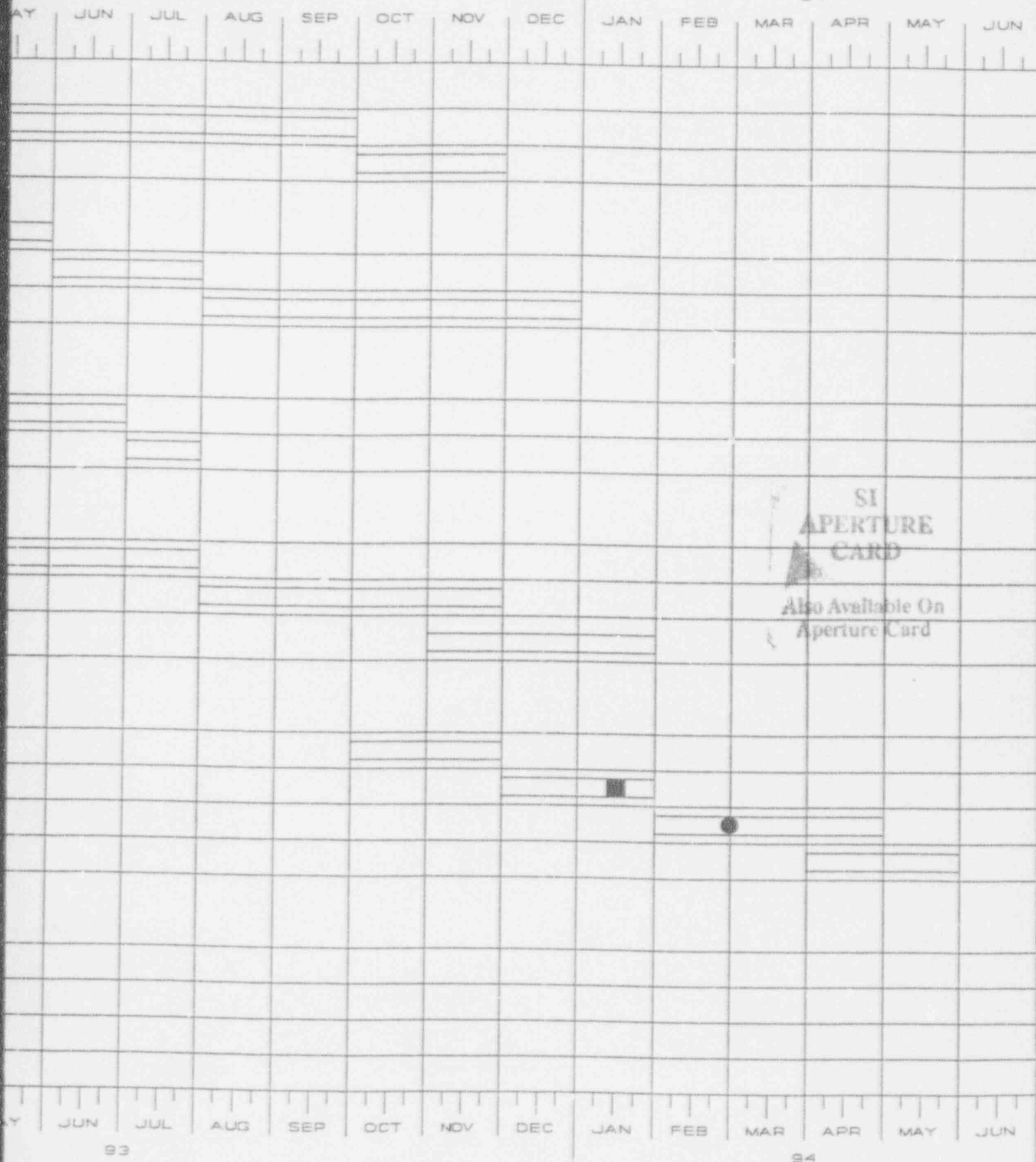


▽ - A & TRY
 ■ - SNEL
 ● - NRC

SCHEDULE AS OF 04/08/93

93

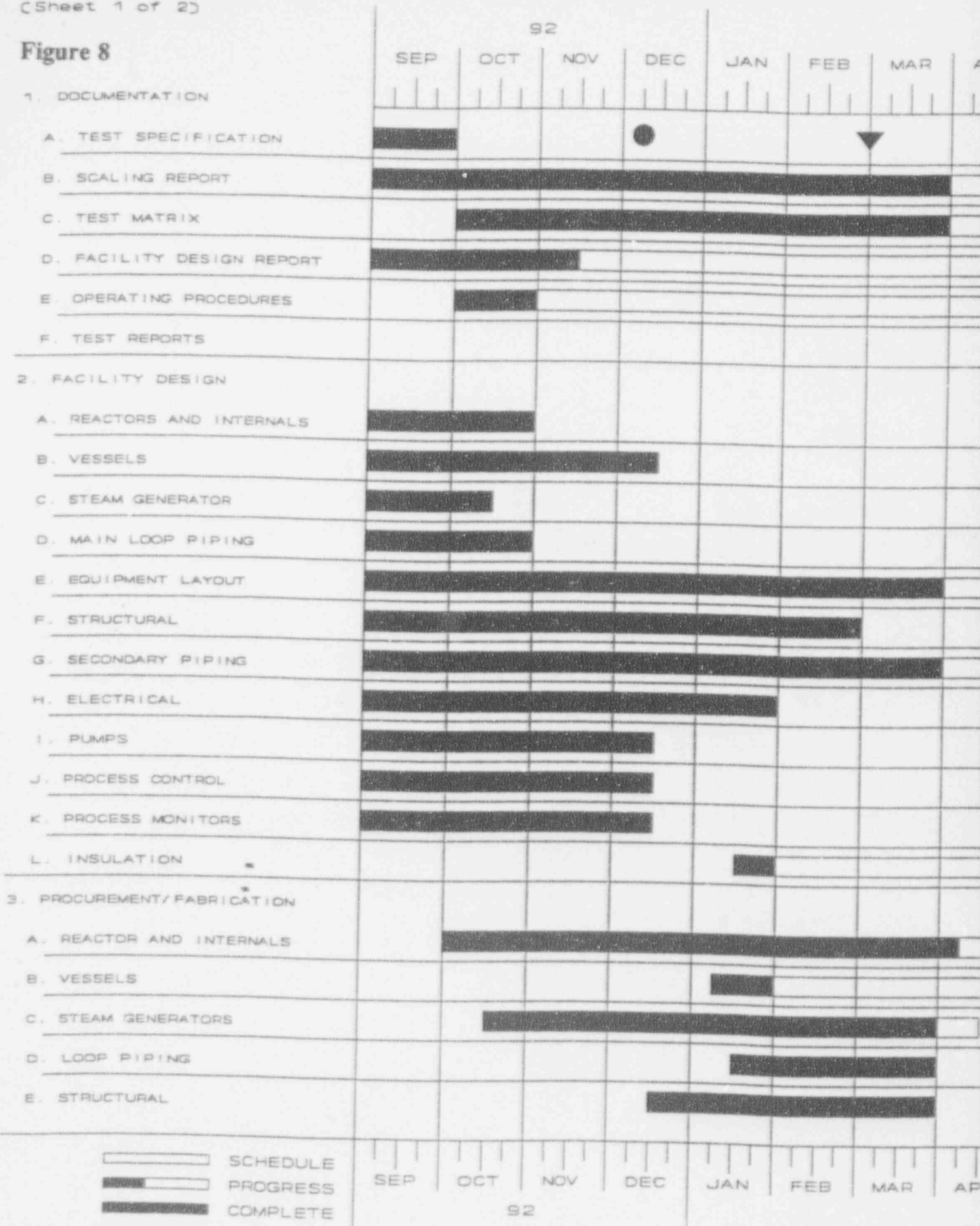
94



9304160067-08

(Sheet 1 of 2)

Figure 8



- NRC
- A & TRT

93

43

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

SI
APERTURE
CARD

Also Available On
Aperture Card

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

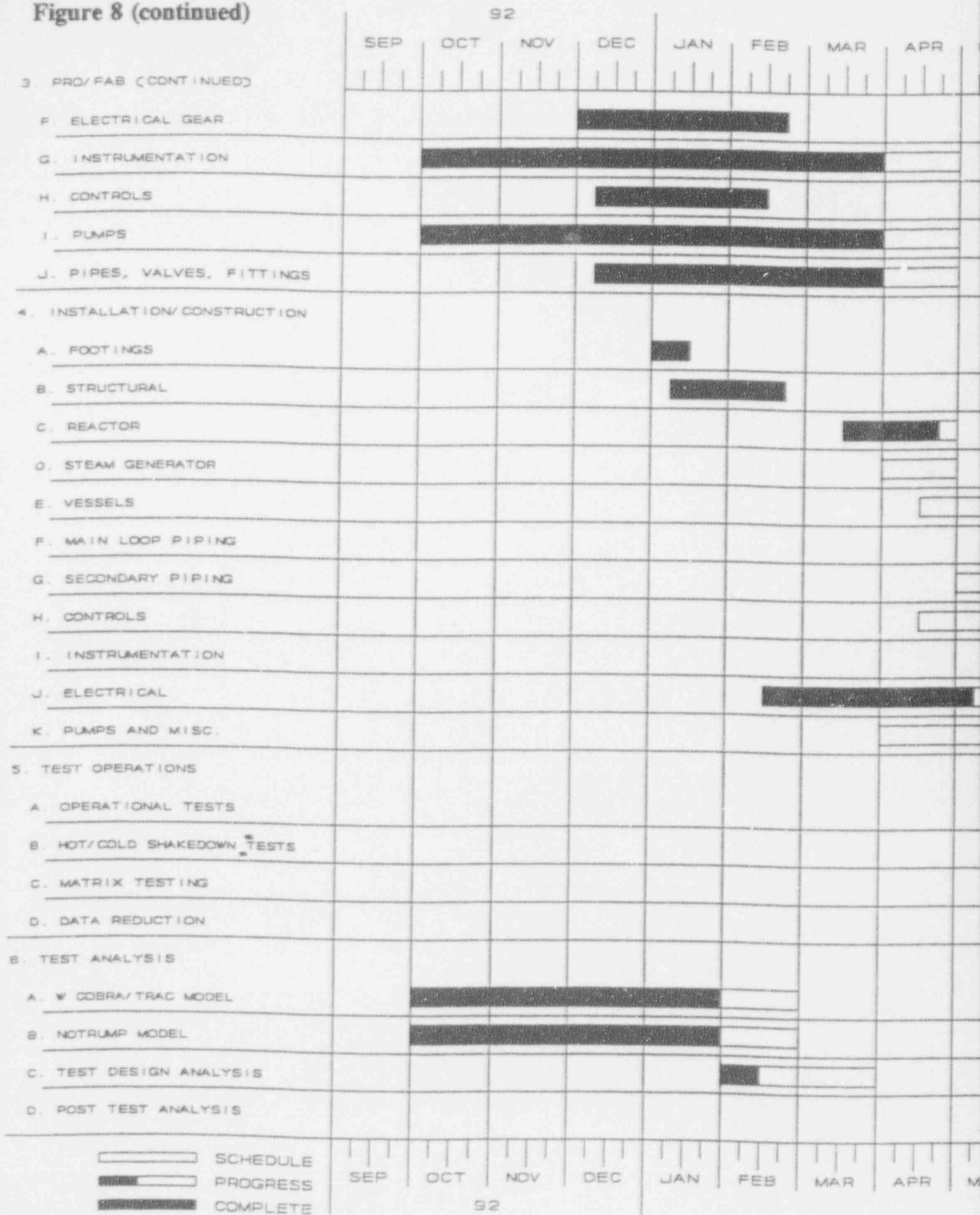
22

DA

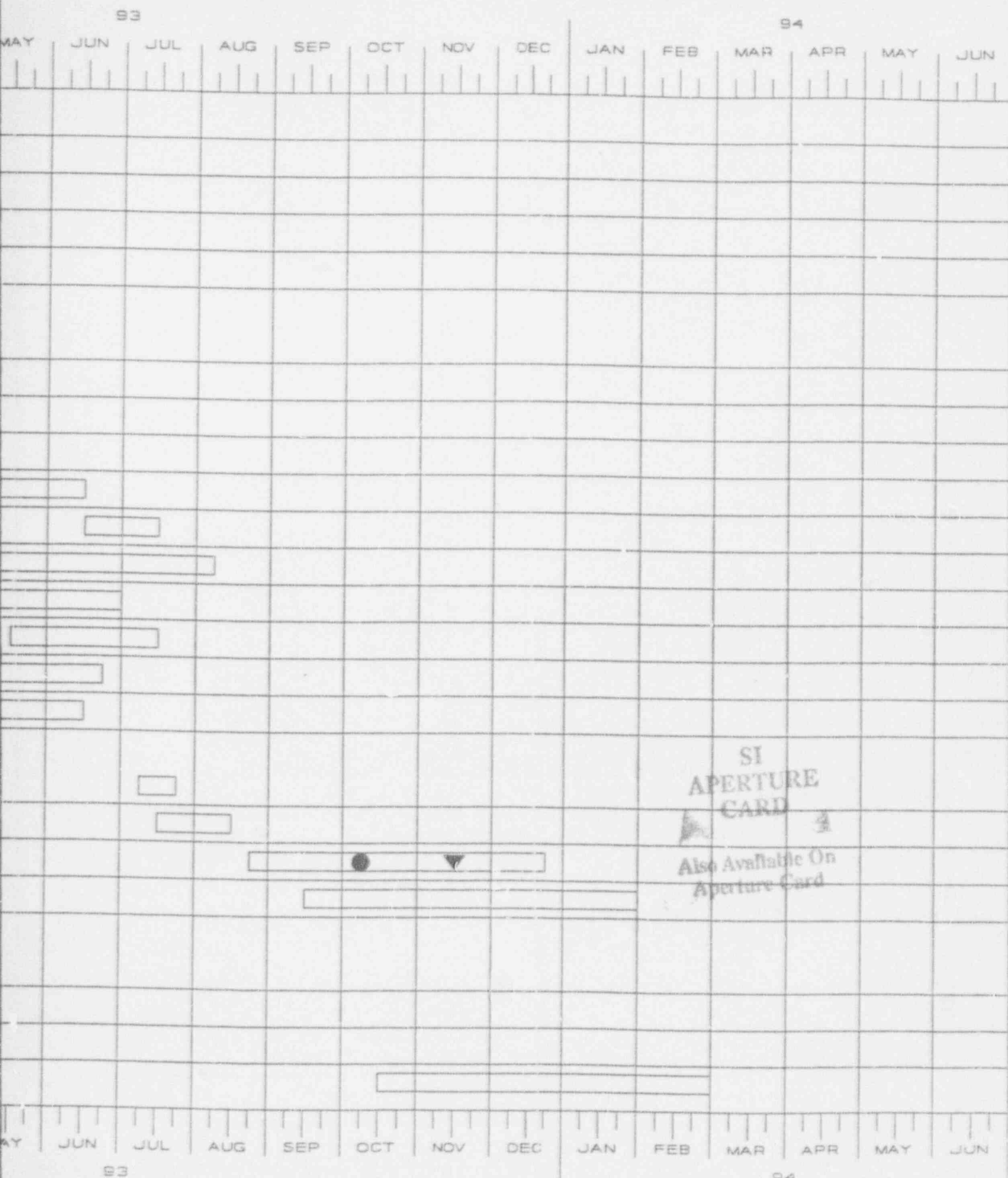
9304160067-09

(Sheet 2 of 2)

Figure 8 (continued)



SCHEDULE AS OF 04/08/93



9304160067-10