



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

September 23, 1988

Docket No. 50-346

LICENSEE: Toledo Edison Company and The Cleveland Electric Illuminating Company

FACILITY: Davis-Besse Nuclear Power Station, Unit No. 1

SUBJECT: SUMMARY OF FIRE PROTECTION MEETING OF JULY 21, 1988:  
(TAC NOS. 60994, 60995, 61745, 61923, AND 65361)

On July 21, 1988, representatives of the licensee and the NRC staff met in Rockville, Maryland to discuss a number of issues which have arisen in conjunction with the licensee's Appendix R reappraisal effort. Enclosure 1 is a list of attendees at the meeting. Enclosure 2 summarizes information presented by Toledo Edison and Enclosure 3 is the partial schedule for performing modification to meet fire protection requirements. Since the last meeting convened to discuss fire protection issues in October of 1987, the licensee submitted additional information on the Davis Besse Fire Protection Program by letters dated January 6, February 8, May 23 and June 6, 1988. The staff reviewed this information and requested the meeting to clarify several issues. An exchange of information occurred which resolved most of the staff's concerns. The remaining open issues can be characterized as follows: (1) licensee identified deviations from the guidelines contained in Appendix A to Branch Technical Position APCS 9.5-1 (most of these pertain to National Fire Protection Association code deviations), and (2) post-fire safe shutdown actions which may be necessary but which have not yet been finalized due to as-yet incomplete analysis. The licensee committed to submit a schedule in September 1988 for identifying and justifying all Appendix A deviations. The licensee also committed to submit the results of the pending safe shutdown analyses before the end of 1988. The licensee re-affirmed that all work associated with Appendix R to 10 CFR Part 50 is to be completed prior to startup from the sixth refueling outage.

In light of the above, the staff indicated that they will complete an "interim" safety evaluation which will address all those issues which have been resolved to date, including, but not limited to: the penetration seal issue; pending exemption requests; safe shutdown methodology; and previously identified deviations to Appendix A to BTP APCS 9.5-1. The staff will issue a final fire protection safety evaluation when the remaining information referenced above has been submitted by the licensee and reviewed by the staff. The licensee discussed potential staff acceptance of a revised fire watch program. The staff emphasized that "hourly" fire watches should be scheduled such that each location covered by the watch should be monitored at a frequency not to exceed 1 hour as previously discussed with Region III representatives.

The staff also informed the licensee that plant procedures which do not require assembling the fire brigade at equipment lockers upon receipt of an alarm in

8809300049 880923  
PDR ADOCK 05000346  
PDC

DFOL  
11

the control room is a deviation from staff guidance contained in the June 1977 "Nuclear Plant Fire Protection Functional Responsibilities, Administrative Control and Quality Assurance."

This issue will be the subject of future discussions between the licensee and the staff.

*151*

Albert W. De Agazio, Project Manager  
Project Directorate III-3  
Division of Reactor Projects - III,  
IV, V and Special Projects

cc: See next page

DISTRIBUTION

<u>Docket File</u>	NRC & Local PDRs
PD3 r/f	KPerkins
PKreutzer	ADeagazio
OGC-Rockville	EJordan
BGrimes	ACRS (10)
JClifford (Region III)	
CMCCracken	Julie
DKubicki	
PByron	

Office: LA/PDIII-3  
Surname: PKreutzer  
Date: 9/18/88  
*15*

*AD*  
PM/PDIII-3  
ADeAgazio  
9/15/88

*OK*  
ECEB  
DKubicki  
9/12/88

*OK*  
PD/PDIII-3  
KPerkins  
9/13/88



ATTENDEES

FIRE PROTECTION DISCUSSION

TOLEDO EDISON COMPANY

ATTENDEE

R. Brandt  
A. De Agazio  
D. Kubicki  
M. Lalor  
M. Murtha  
J. Roskoph  
J. Strausser  
L. Young

AFFILIATION

Toledo Edison Company  
USNRC/DRSP/PD33  
USNRC/DEST/ECEB  
Toledo Edison Company  
Toledo Edison Company  
Toledo Edison Company  
Toledo Edison Company  
Toledo Edison Company

ENCLOSURE 2



NRC FIRE PROTECTION MEETING  
JULY 21, 1988

1. Introduction of Jim Roskoph
2. Response to NRC Questions
3. Scope and Review of Draft SER
4. Exemption for Pressurizer  
Instruments
5. Repair Response

January 6, 1988 letter

1. Response to multiple high impedance faults is still an open item? This is typical of several questions.

## RESPONSE

- The Appendix R SER can be written with a list of corrective actions to be completed by the 6th RFO
- Similar list was attached to Amendment # 18 for Appendix A
- Completion of the corrective actions can be audited by Region

January 6, 1988 letter

2. Question 42. For the portable fuel oil pump, how will it function, be controlled & be addressed by procedures?

## RESPONSE

- Pump will be portable & stored in centralized location
- Connected to existing fuel oil piping via a quick-connect fitting, which will be installed by 6th RFO
- Fuel oil piping is not in the area containing the fire
- Pump power will be via dedicated power supply or portable generator
- Procedures for operation, maintenance and periodic testing of the equipment will be established

January 6, 1988 letter

3. Discuss how the RCS cold leg temperature readouts will be electrically independent.

RESPONSE

- Temperature indication circuit would be physically isolated from the fire-induced fire by a multi-pin twist-disconnect plug
- Circuit would be connected to the digital readout device
- Use of the "hooked-up" device was discussed with the NRC and verbally accepted

January 6, 1988 letter

4. FHAR, Table 4-1, Sheet 2, why was the reference to the Fire Protection Engineer deleted?

RESPONSE

- The title of the FPE was revised to Fire Protection Compliance Manager
- Toledo Edison has re-organized the Fire Protection Compliance Group
- The previous FPE responsibilities now belong under the Fire Protection Technical Manager
- The current Fire Protection Technical Manager is a degreed fire protection engineer and qualifies for the full SFPE membership

January 6, 1988 letter

5. FHAR, Table 4-1, Sheet 10, discuss why we deviate from the Vassallo letter?

RESPONSE

- "Deviate" refers to the Codes referenced by Appendix A - not the Vassallo letter
- Specific Code deviations were not identified since Code reviews are ongoing
- Auditable Code reviews are established for NFPA 13 & 72E and will be established as other codes reviews are completed
- Vassallo letter deviation is discussed in letter dated May 27, 1987 (Serial No. 1361), Question #8 - QA requirements are not applied to pre-existing equipment

January 6, 1988 letter

6. Discuss why we say we deviate from the NFPA Codes yet no deviations are listed or justified?

RESPONSE

- Code review are scheduled to completed by April 1989 as discussed in letter dated June 6, 1988 (Serial No. 1497)
- Deviations to NFPA 13 & 72E are identified in Serial 1497
- As Code reviews are completed, auditable files will be established

January 6, 1988 letter

7. FHAR, Table 4-1, Sheet 27, discuss Tech Spec coverage for the access doors.

## RESPONSE

- Access doors in Tech Spec fire barriers are addressed by the Surveillance requirements
- Inoperable or held-open access doors would be addressed by required fire watches



January 6, 1988 letter

8. FHAR, Table 4-1, Sheet 55, discuss how a single failure will not impact the sprinkler systems and the hose stations.

## RESPONSE

- Certain sprinkler and hose stations are not currently independent as discussed in letter dated July 30, 1987 (Serial No. 1396)
  
- Modifications to establish independence are scheduled for completion by the 6th RFO

January 6, 1988 letter

- 9 FHAR, Table 4-1, Sheet 36, discuss the basis for the Unrated Opening Analysis.

RESPONSE

- Penetrations that could not be sealed were analyzed as unrated openings
- Unrated openings would not be breached by a fire
- Analysis considered fire hazards in the area, suppression, detection, location of safe shutdown equipment, etc
- Review was performed by a fire protection engineer
- Only 28 unrated openings out of over 7000 penetrations (< 1%)

January 6, 1988 letter

10 FHAR, Table 4-1, Sheet 91, discuss how the Low-Level Radwaste Storage Facility (LLRWSF) complies with App A.

## RESPONSE

- Completed LLRWSF will be reviewed to App. A and addressed in the FHAR
- Automatic sprinkler provided for above ground areas handling radwaste
- No safe S/D circuits in LLRWSF
- Control area has automatic detection
- Water flow & detector alarms provided locally & sent to C/R
- Extinguisher and hoses are provided
- Floor drain holding tanks are provided

January 6, 1988 letter

11. FHAR, Page 5.A-8, why aren't all the dampers 3-hour rated.

## RESPONSE

- Dampers will be 3-hour rated
- FHAR discussion is intended to indicate that some dampers are yet to be installed
- Dampers are scheduled to be installed by the 6th RFO

February 8, 1988

12. Question 24, RCP seal cooling issue has not been resolved. This is an open item for the SER.

## RESPONSE

- The Appendix R SER can be written with a list of corrective actions to be completed by the 6th RFO
- Similar list was attached to Amendment #18 for Appendix A
- Completion of the corrective actions can be audited by Region

May 23, 1988

13. Question 19, why delete the detectors in the Heater Bay?

RESPONSE

- Heat detector installation is not adequate - 50 foot spacing under open grating
- Wet-pipe sprinkler water flow alarms when installed would provide fire alarm to Control Room
- Hourly fire watches will be maintained until water flow alarms are installed
- Removal of inadequate detectors will reduce potential for spurious alarms

May 23, 1988

14. Question 29, High-low pressure interface issues have not been completed. This is an open item for the SER.

## RESPONSE

- The Appendix R SER can be written with a list of corrective actions to be completed by the 6th RFO
- Similar list was attached to Amendment #18 for Appendix A
- Completion of the corrective actions can be audited by Region



June 6, 1988

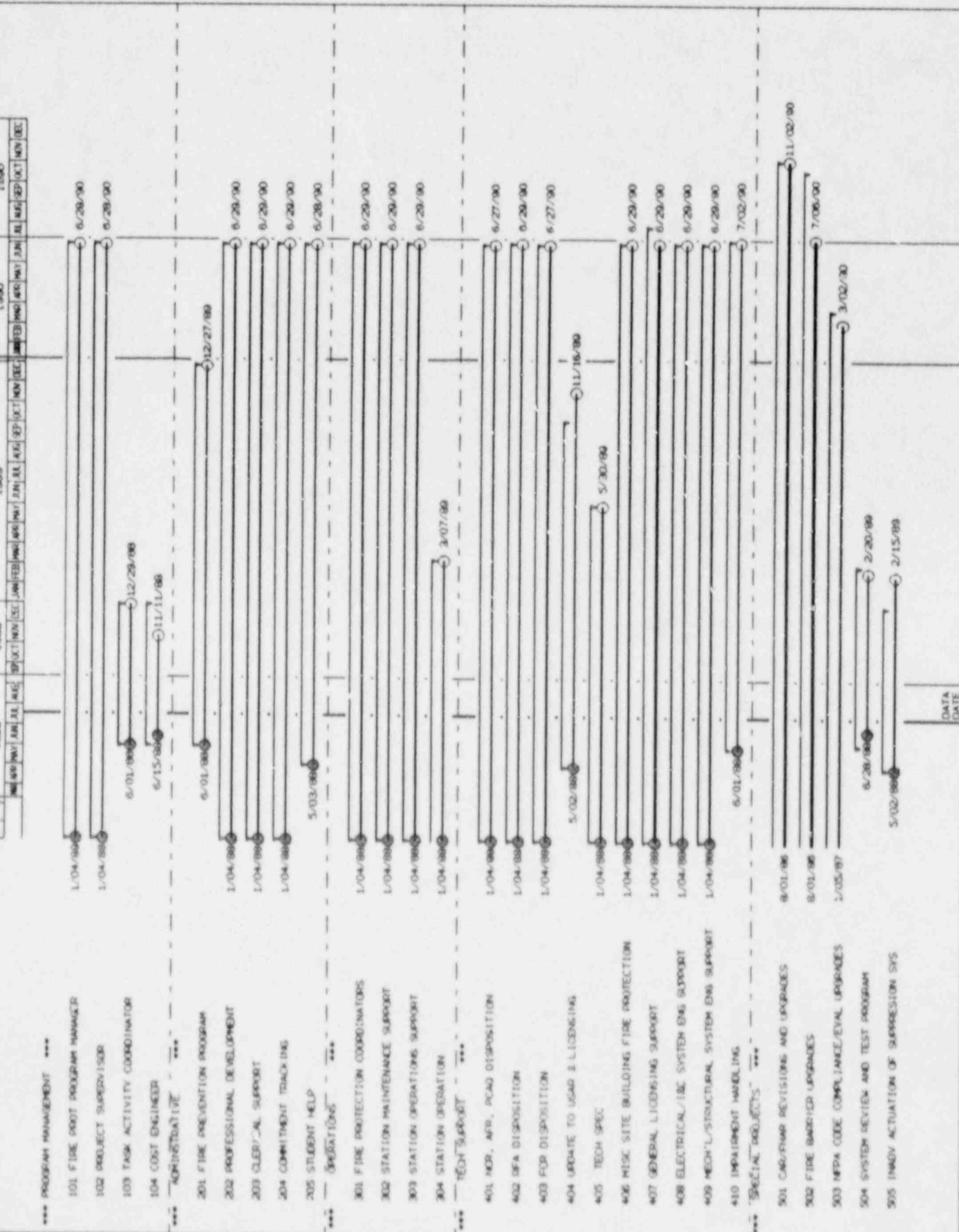
15 Question 1, the manual operator action issue has not been completed. This is an open item for the SER.

## RESPONSE

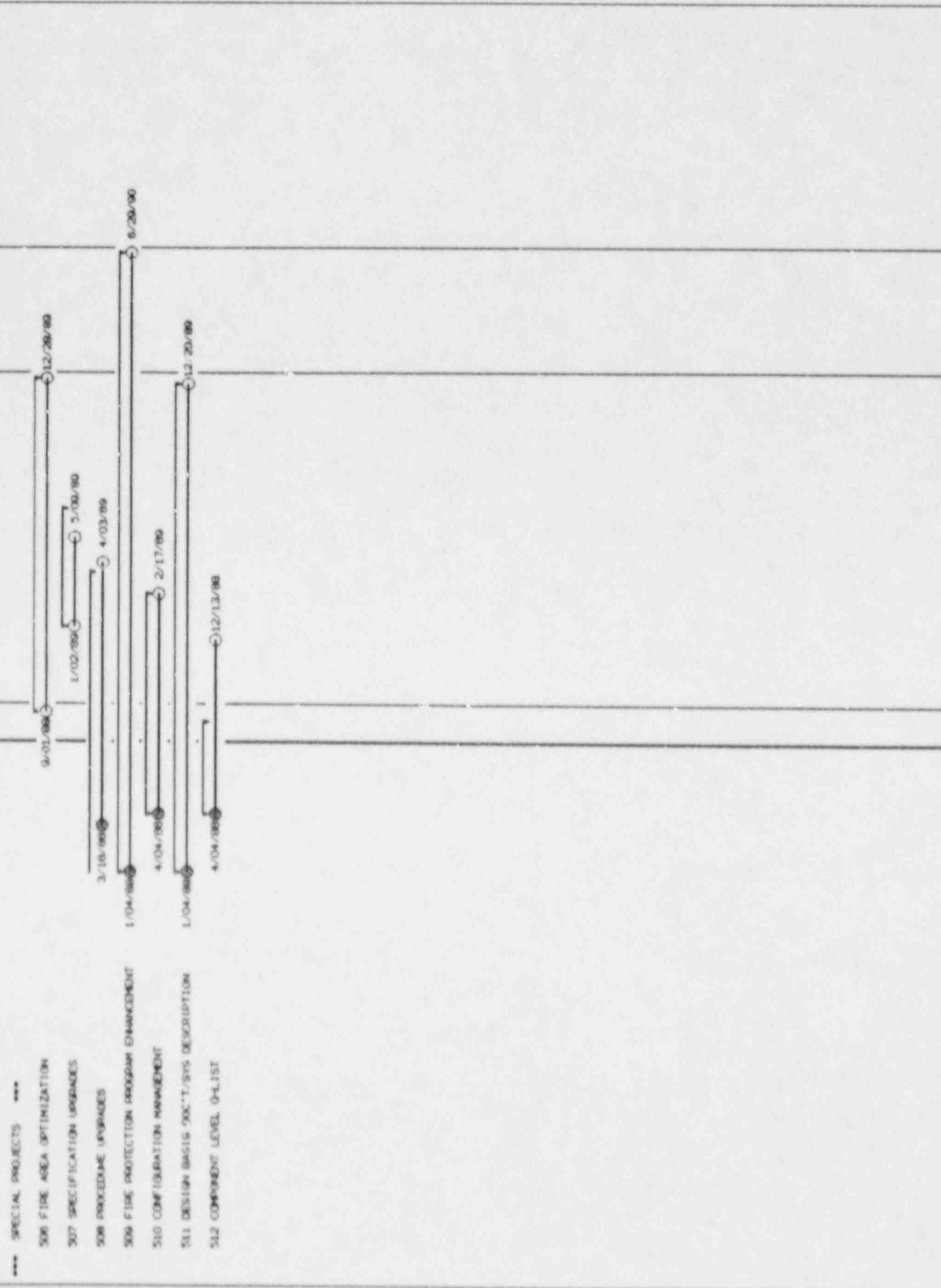
- The Appendix R SER can be written with a list of corrective actions to be completed by the 6th RFO
- Similar list was attached to Amendment # 18 for Appendix A
- Completion of the corrective actions can be audited by Region



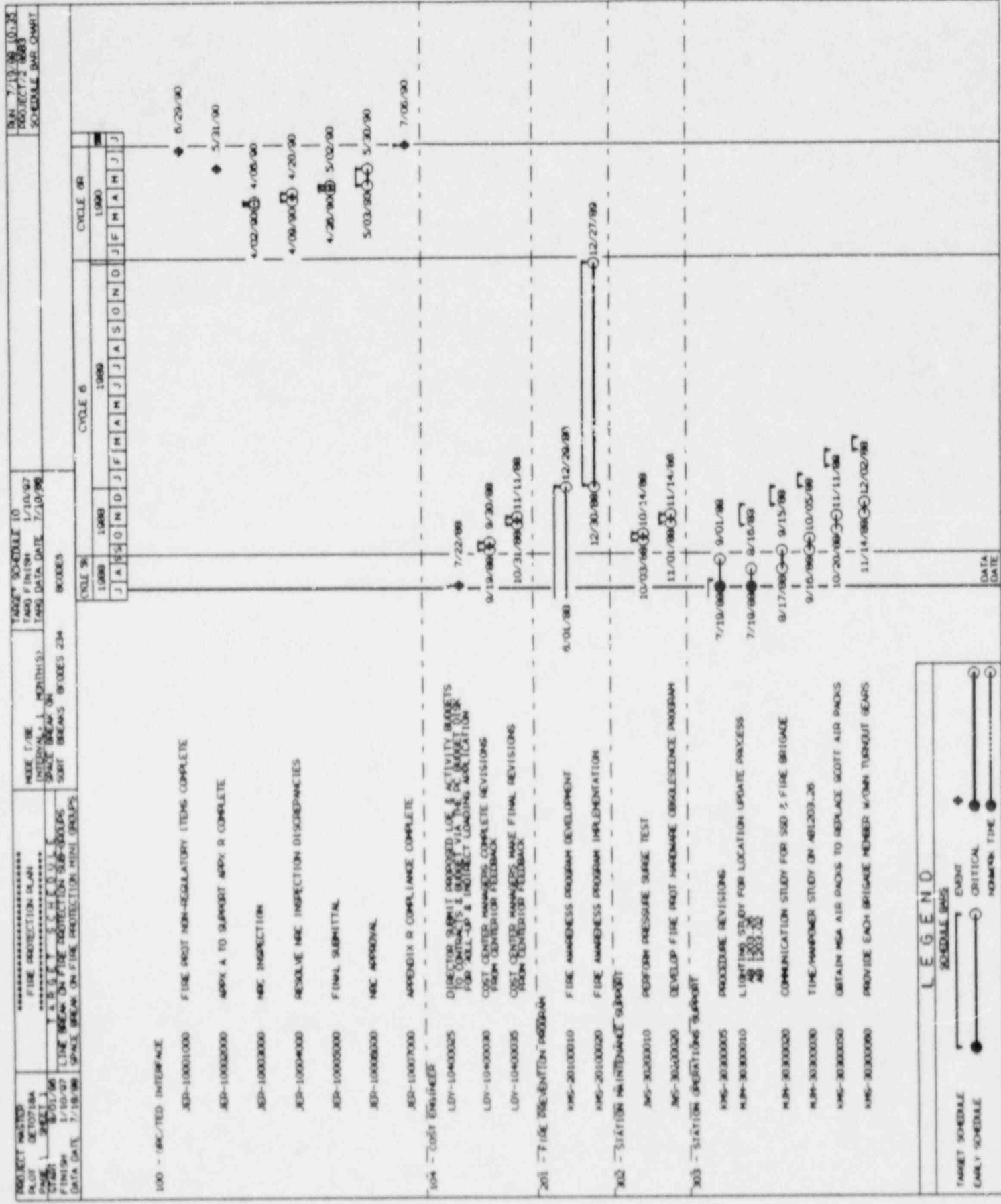
ENCLOSURE 3



PROJECT NUMBER	13068	START DATE	8/01/88	FINISH DATE	7/10/97	PROJECT NAME	LINE BREAK ON FIRE PROTECTION GROUPS	PROJECT TYPE	INDUSTRIAL	PROJECT ID	13068	PROJECT DATE	7/10/97	PROJECT NAME	LINE BREAK ON FIRE PROTECTION GROUPS	PROJECT TYPE	INDUSTRIAL	PROJECT ID	13068	PROJECT DATE	7/10/97	
SHEET 2	3	DATA DATE	7/10/97	DATA DATE	7/10/97	SCHEDULE	SCHEDULE	MODE	TYPE	MONTH(S)	CYCLE	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
<p>***** SPECIAL PROJECTS *****</p> <p>506 FIRE AREA OPTIMIZATION</p> <p>507 SPECIFICATION UPGRADES</p> <p>508 PROCEDURE UPGRADES</p> <p>509 FIRE PROTECTION PROGRAM ENHANCEMENT</p> <p>510 CONFIGURATION MANAGEMENT</p> <p>511 DESIGN BASIS DOCUMENTS DESCRIPTION</p> <p>512 COMPONENT LEVEL O-LIST</p>																						



DATA DATE



ACTIVITY	MODE / R/E	START DATE	FINISH DATE	1998	1999	1998	1999
304 - STATION OPERATION IMPROVE FUEL BRIGADE COMMUNICATION	IMPROVE FUEL BRIGADE COMMUNICATION	8/01/97	7/18/98	J	A	S	O
J.E.-30402085	PURCHASE EQUIPMT FOR RADIO BASE STATION/CONSOLE	5/16/98	8/31/98	J	A	S	O
J.E.-30402052	ISSUE M40'S/IMPLEMENT/ISSUE T.R.M.	6/27/98	7/22/98	J	A	S	O
J.E.-30402053	TEST ANTENNA REPAIRS W/ NEW 1 WATT RADIO	7/25/98	7/27/98	J	A	S	O
J.E.-30402055	EVALUATE RESULTS OF UPGRADE	7/28/98	8/01/98	J	A	S	O
J.E.-30402020	PREVENTIVE MAINT PROGRAM FOR COMMUNICATION EQUIPMT	5/16/98	8/15/98	J	A	S	O
J.E.-30402040	MAINTENANCE, PROC AND PM PROGRAM	6/15/98	8/15/98	J	A	S	O
J.E.-30402060	IMPROVE PASSIVE ANTENNA SYSTEMS-PHASE II DATA 98-714. REQUEST FOR EXPANSION OF PASSIVE ANTENNA SYSTEM	5/04/98	1/13/99	J	A	S	O
J.E.-30402030	TRAINING, DRILLS, FORMAL TRAINING, ORILLATES	8/16/98	9/13/98	J	A	S	O
98B-30403010	EVALUATE PRESENT EQUIPMT W/ RECOMMENDATIONS	5/16/98	7/22/98	J	A	S	O
J.E.-30403021	EVALUATE STATION EQUIPMT COMPATIBILITY W/ VARIOUS OFFICE FACILITIES - LIST OF FACILITIES - RECOMMENDATIONS	8/20/98	7/26/98	J	A	S	O
J.E.-30403022	TRAINING- REVISE QUAL/REDUAL PROGRAM/ILIVE FIRE/1 IMPLEMENT OP-UP-1300-USE OF MGA 4500 CUSTOM INSPECTION & MAINTENANCE	7/19/98	8/26/98	J	A	S	O
J.E.-30403023	IMPLEMENT OP-UP-1300-RESP/ATOR PROTECTION GORPN	7/19/98	8/26/98	J	A	S	O
J.E.-30403030	PM ADEQUACY OF PM PROGRAM ON INSTALLED FP SYS AND FIRE BRIGADE EQUIPMENT	8/15/98	7/22/98	J	A	S	O
J.E.-30403060	EMERGENCY LIGHTS FOR FIRE BRIGADE EQUIPMENT STOR CLOSET AND 1-100-1972 FOR INSTALLATION OF AN EIGHT HOUR BATTERY PACK	8/20/98	9/15/98	J	A	S	O
J.E.-30403040	WALK BLASSES-EYE EXAMS-PURCHASE & DELIVERY	5/02/98	8/15/98	J	A	S	O
J.E.-30403031	REVISE DISCREPANCIES FROM PM OF CM PROGRAM ON INSTALLED FIRE PROTECTION SYSTEMS AND FIRE BRIGADE EQUIPMENT	7/25/98	8/05/98	J	A	S	O
J.E.-30403051	PERFORM/CONDUCT TRAINING FOR PORTABLE ELECTRIC G	7/19/98	8/15/98	J	A	S	O
98B-30404020	PM PROC TO ENSURE FP TECH SPEC COMPLIANCE ABNORMAL PROCEDURES	5/16/98	8/15/98	J	A	S	O
98B-30404030	PM THE FIRE FIGHTING PLANS (REV AS REQUIRED)	5/01/98	10/17/98	J	A	S	O
J.E.-30404050	TRAINING-FORMAL WALKTHRU/DRILLS-ACTUAL PRACTICE	7/19/98	7/16/98	J	A	S	O
J.E.-30404040	PM THE ABNORMAL PROC. REV TO UPGRADE & INCLUDE HUMAN FACTORS	4/04/98	9/01/98	J	A	S	O
J.E.-30404031	REVISE FIRE FIGHTING PREPLANS AS REQUIRED	10/18/98	11/14/98	J	A	S	O
J.E.-30404041	REVISE ABNORMAL PROCEDURES/FABR.02/27/MAS REO'D	9/02/98	10/14/98	J	A	S	O

**LEGEND**

SCHEDULE BASIS

TARGET SCHEDULE (arrow)

EVENT (circle)

CRITICAL (line with circle)

NETWORK TIME (dashed line)

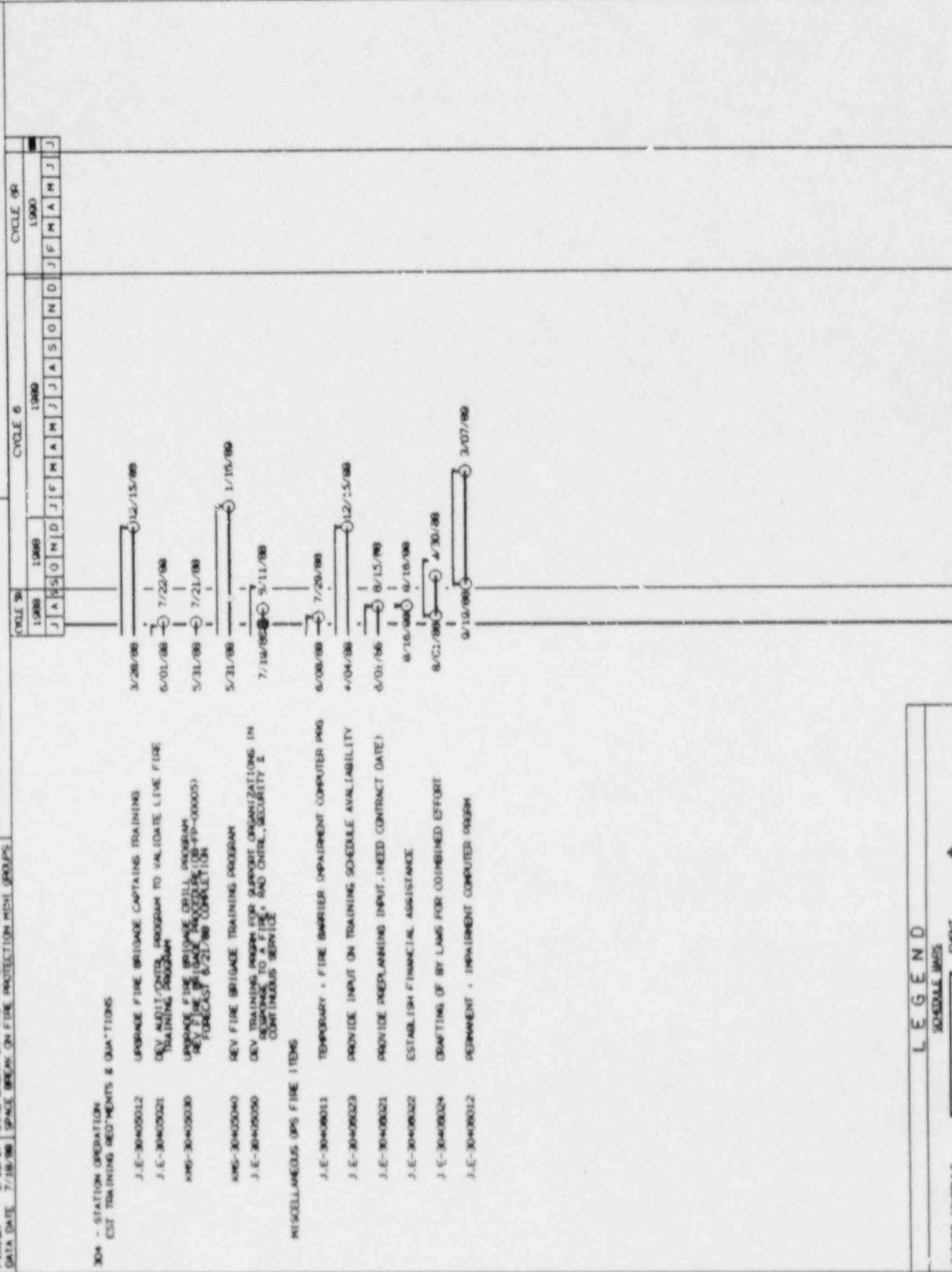
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 PILOT: DE/0718A  
 DATE: 1/10/78  
 FINISH: 1/10/78  
 DATA DATE: 7/18/78

\*\*\*\*\*  
 FIRE PROTECTION PLAN  
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
 LINE BREAK ON FIRE PROTECTION SUB-GROUPS  
 SPACE BREAK ON FIRE PROTECTION MESH GROUPS

MODE I/BE: INTERIOR SPACE BREAK ON SORT BREAKS  
 MONTH(S): 1  
 CODES: 000005

TARGET SCHEDULE TO: 1/10/97  
 1980 FINISH: 1/10/97  
 1980 DATA DATE: 7/18/80

PROJECT NUMBER: 304  
 SCHEDULE BAR CHART



304 - STATION OPERATION  
 EST TRAINING REQUIREMENTS & QUANTITIES

miscellaneous OPS FIRE ITEMS

**LEGEND**

SCHEDULE BARS

---○--- EVENT

---●--- EARLY SCHEDULE

---○--- CRITICAL

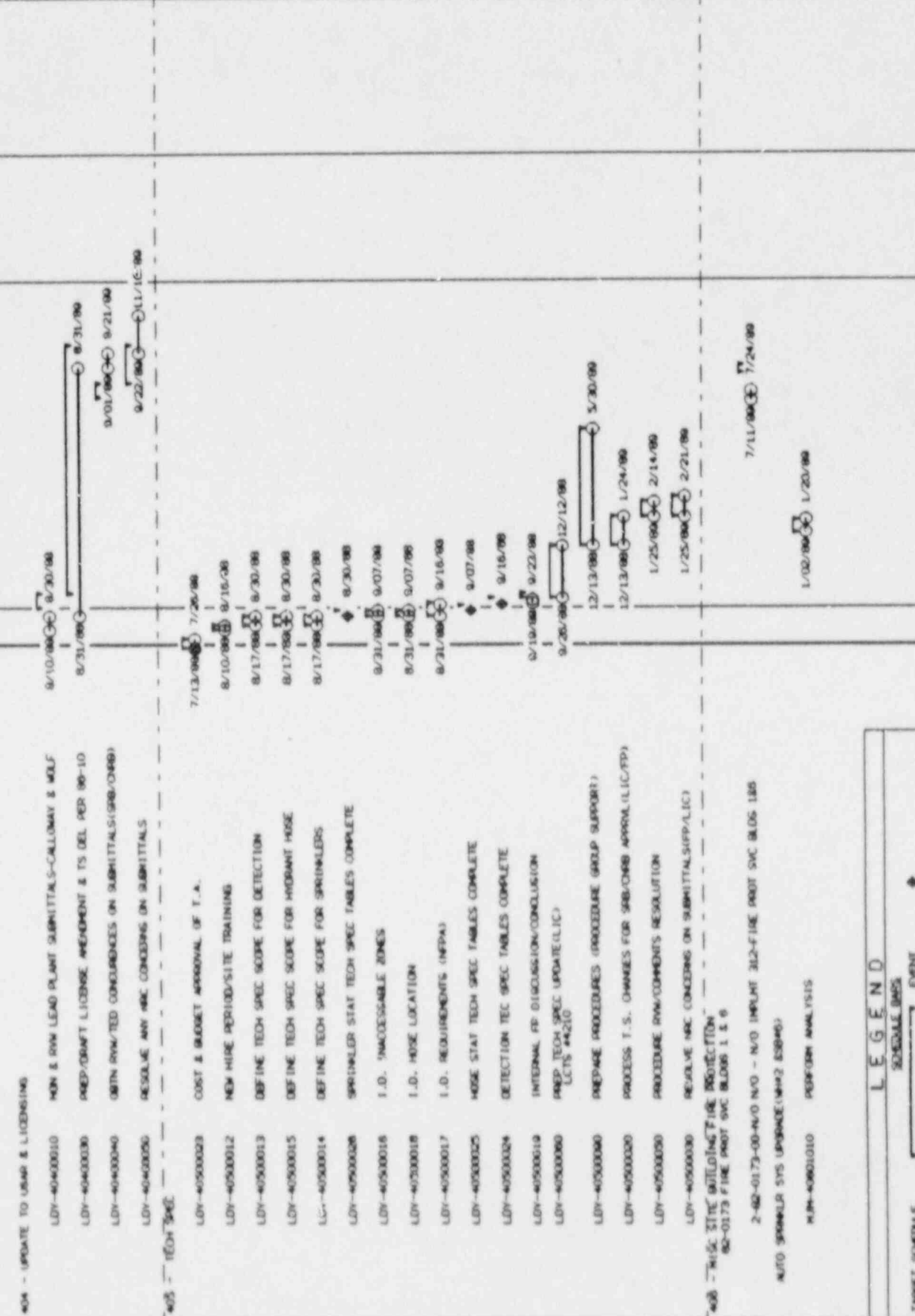
---●--- NORMAL TIME



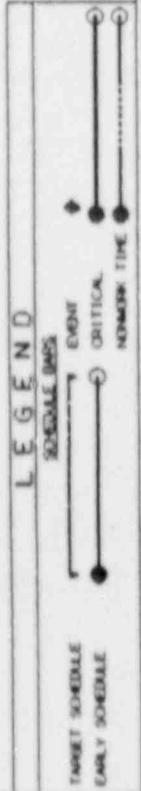


PROJECT MASTER  
 06/07/98  
 1/10/97  
 7/18/98  
 FIRE PROTECTION PLAN  
 LINE BREAK ON FIRE PROTECTION SUB-GROUPS  
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TARGET SCHEDULE TO  
 1/10/97  
 7/18/98  
 10/25/98  
 PROJECT 2  
 SCHEDULE BAR CHART



DATA DATE  
 1/02/99 1/20/99

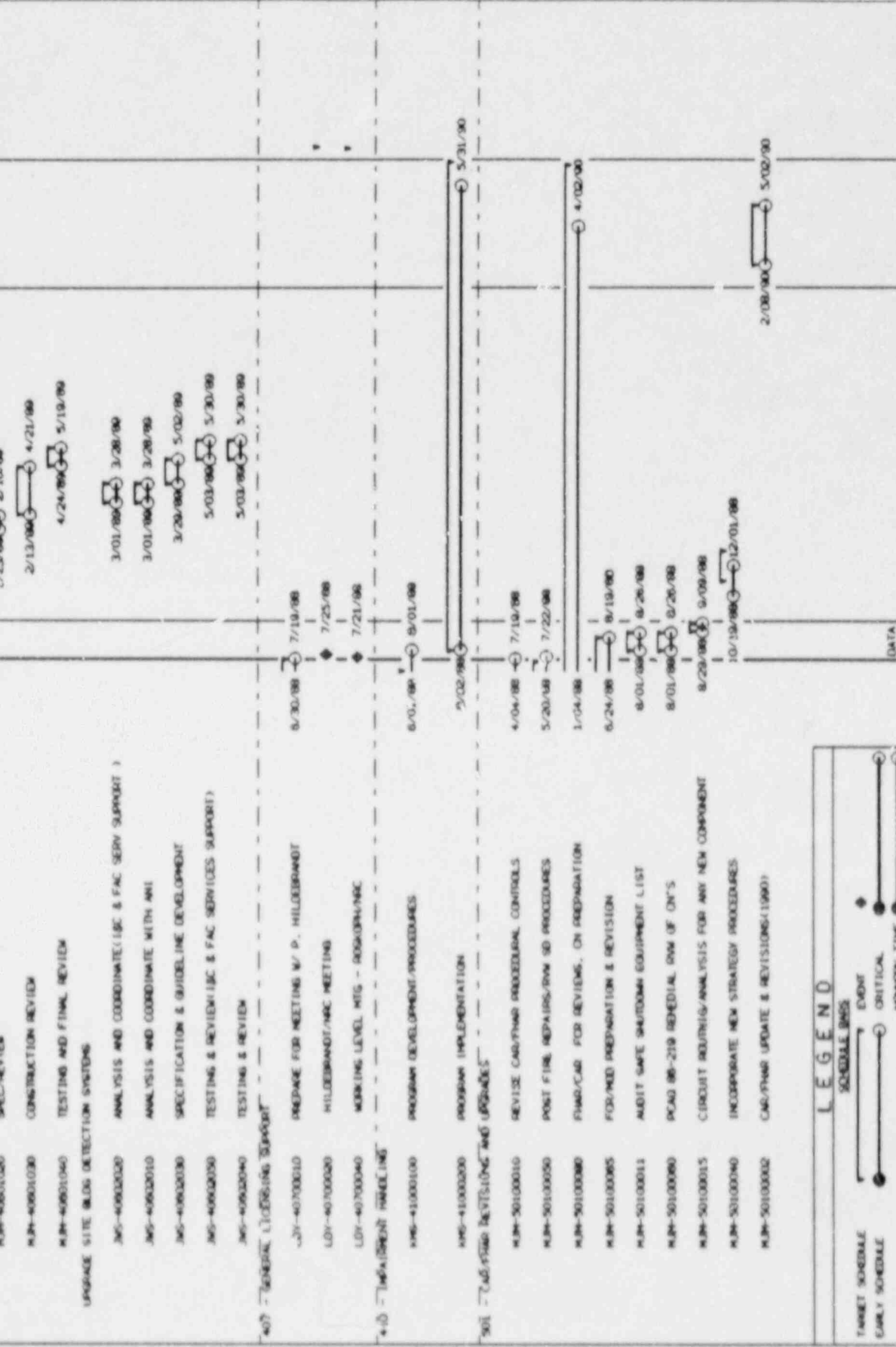




PROJECT NAME: \*\*\*\*\*  
 FIVE PROTECTION PLAN  
 SHEET NO. 2  
 DATE: 1/10/97  
 FINISH: 1/10/97  
 DATA DATE: 7/18/98

MODE: T/B/E  
 (S)UBV(A) (I)NSTR(U)M(T)  
 S(A)F(E) B(R)E(A)K  
 S(O)R(T) B(R)E(A)K(S) B(O)O(D)E(S) 234

TARGET SCHEDULE 10  
 TAKE FINISH: 1/10/97  
 1999 DATA DATE: 7/18/98  
 SCHEDULE RPT 04081

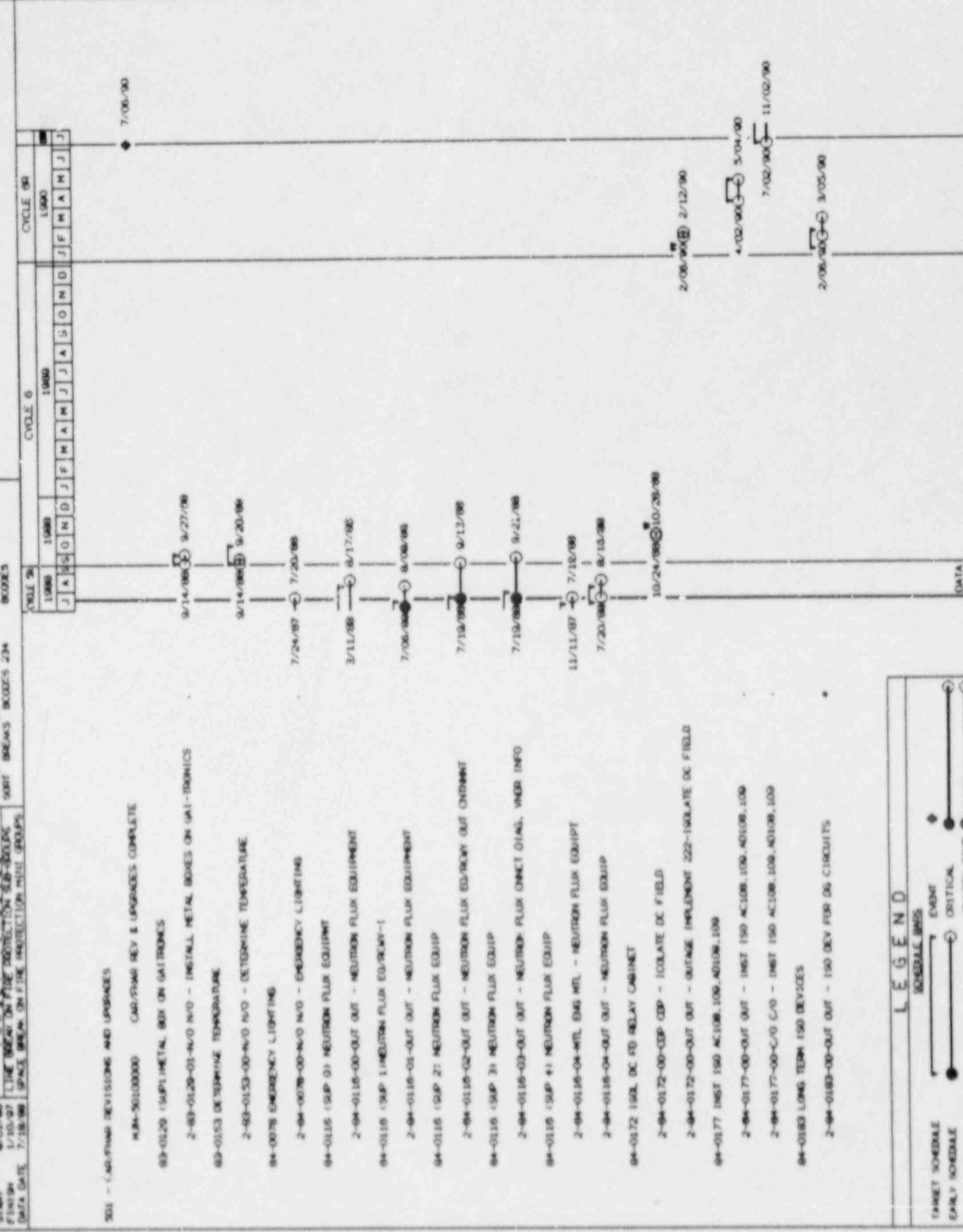


PROJECT PHASES  
 PLAN DETAILING  
 7/10/97  
 7/10/97  
 7/10/97  
 7/10/97

MODE T/RE  
 INTERVAL MONTH(S)  
 START BREAK ON  
 SORT BREAKS RODDERS 234

TARGET SCHEDULE TO  
 1400 FINISH  
 1400 DATA DATE 7/12/98

DATE 7/10/98 10:30  
 PROJECT 12-888  
 SCHEDULE BAR CHART



- 301 - CAD DRAW REVISIONS AND UPDATES
- 94-01000000 CAD DRAW REV & UPDATES COMPLETE
  - 83-0120 (SUP) METAL BOX ON GALTRONICS
  - 2-83-0120-01-N/O N/O - INSTALL METAL BOXES ON GALTRONICS
  - 83-0153 DETERMINE TEMPERATURE
  - 2-83-0153-00-N/O N/O - DETERMINE TEMPERATURE
  - 84-0078 EMERGENCY LIGHTING
  - 2-84-0078-00-N/O N/O - EMERGENCY LIGHTING
  - 84-0115 (SUP 0) NEUTRON FLUX EQUIPMENT
  - 2-84-0115-00-OUT OUT - NEUTRON FLUX EQUIPMENT
  - 84-0115 (SUP 1) NEUTRON FLUX EQUIPMENT-1
  - 2-84-0115-01-OUT OUT - NEUTRON FLUX EQUIPMENT
  - 84-0115 (SUP 2) NEUTRON FLUX EQUIP
  - 2-84-0115-02-OUT OUT - NEUTRON FLUX EQUIPMENT
  - 84-0115 (SUP 3) NEUTRON FLUX EQUIP
  - 2-84-0115-03-OUT OUT - NEUTRON FLUX EQUIPMENT
  - 84-0115 (SUP 4) NEUTRON FLUX EQUIP
  - 2-84-0115-04-WEL ENL ENL - NEUTRON FLUX EQUIP
  - 84-0172 150L DC PD RELAY CABINET
  - 2-84-0172-00-COP COP - ISOLATE DC FIELD
  - 84-0177 INET 150 AC 108, 109, 40108, 109
  - 2-84-0177-00-OUT OUT - INET 150 AC 108, 109, 40108, 109
  - 84-0183 LONG TERM 150 DEVICES
  - 2-84-0183-00-OUT OUT - 150 DEV FOR DG CIRCUITS

**LEGEND**

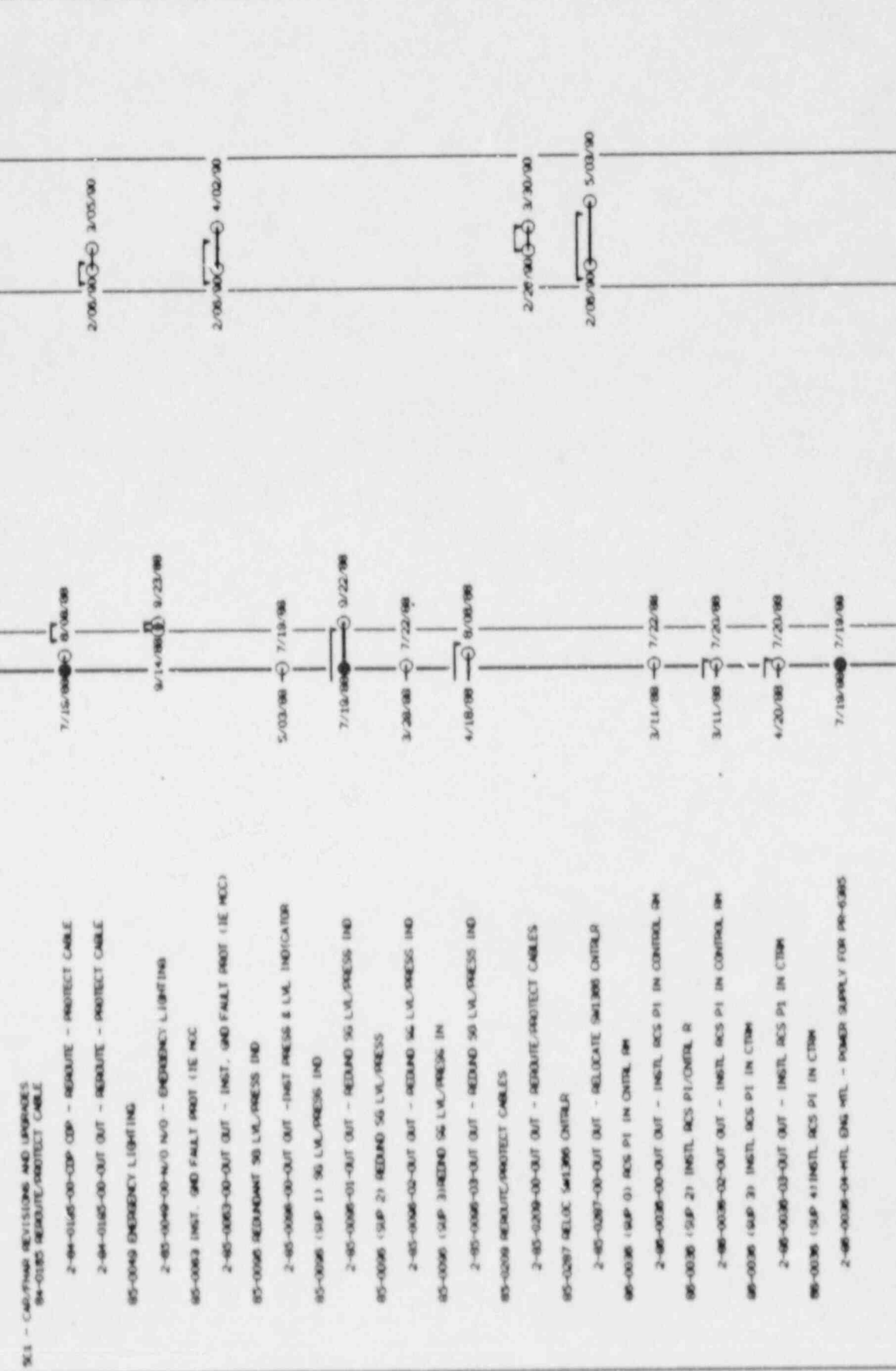
TARGET SCHEDULE  
 EARLY SCHEDULE

SCHEDULE BARS

EVENT  
 CRITICAL  
 NORMAL TIME

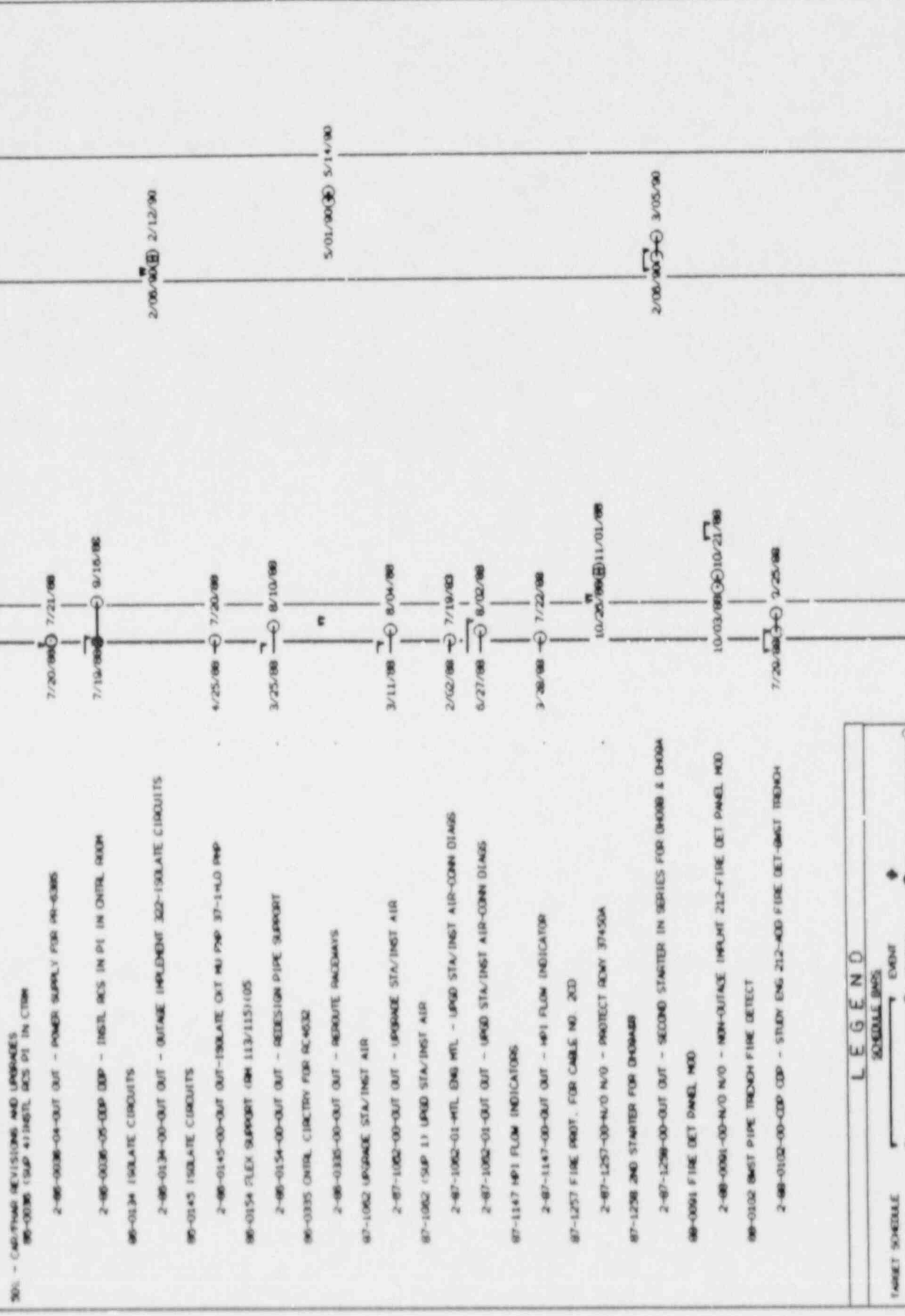
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 PLAN NO: 02/07/184  
 DATE: 8/10/98  
 FINISH: 1/10/97  
 DATA DATE: 7/18/98  
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 PROJECT 2: 8883  
 SCHEDULE BAR CHART

MAKE T/RE: MONTH(S)  
 INTERM: MONTH(S)  
 START BREAK ON: MONTH(S)  
 SORT BREAKS: CODES 234  
 CODES: 800003



**LEGEND**  
 TARGET SCHEDULE: [Symbol] SCHEDULE BARS: [Symbol]  
 EARLY SCHEDULE: [Symbol] EVENT: [Symbol]  
 CRITICAL: [Symbol]  
 WORKON TIME: [Symbol]

PROJECT NUMBER: 7/12/90 10:35 DATE: 10/07/97 SUBJECT: SCHEDULE GMS CHART	TARGET SCHEDULE TO: 1400 FINISH 1/10/97 1400 DATA DATE 7/18/96	MAKE F/RE: MONTH(S) MAKE F/RE: MONTH(S) SORT BREAKS CODES 234	CYCLE 96 1988 1989 1990 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	CYCLE 98 1990 1991 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
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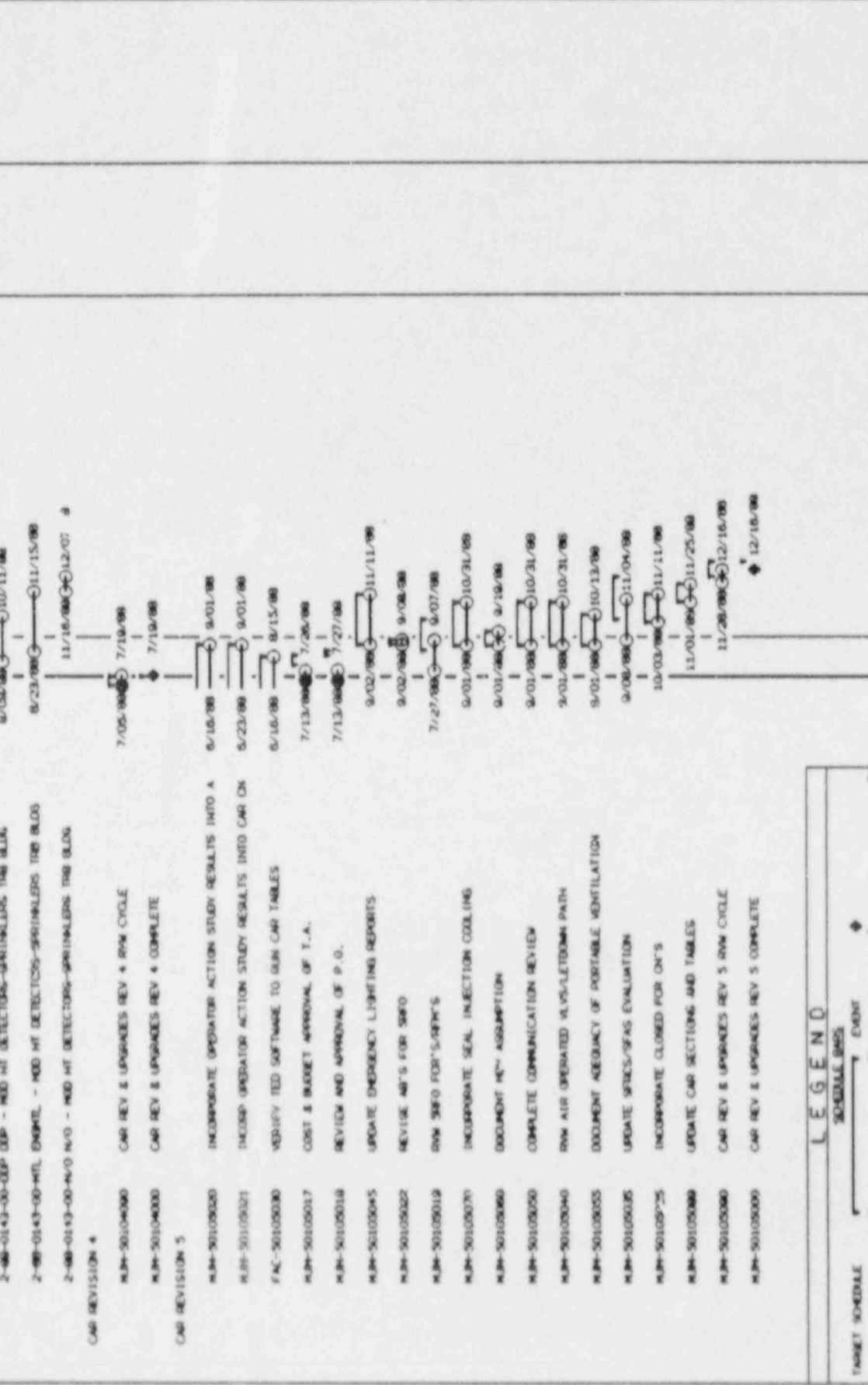
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 EARLY SCHEDULE: [Symbol] EVENT  
 [Symbol] CRITICAL  
 [Symbol] NUMBER TIME

PROJECT NUMBER: \*\*\*\*\*  
 FIVE PROTECTION PLAN  
 DATE: 7/10/97  
 DRAWING NO: 7/18/98  
 DATE: 7/18/98  
 FIVE PROTECTION PLAN  
 DATE: 7/18/98

MODE T/RE: INTERIOR, J. MONTH(S): 1/10/97  
 SCALE BREAK ON: 7/18/98  
 SORT BREAKS: 234  
 RECORDS: 234

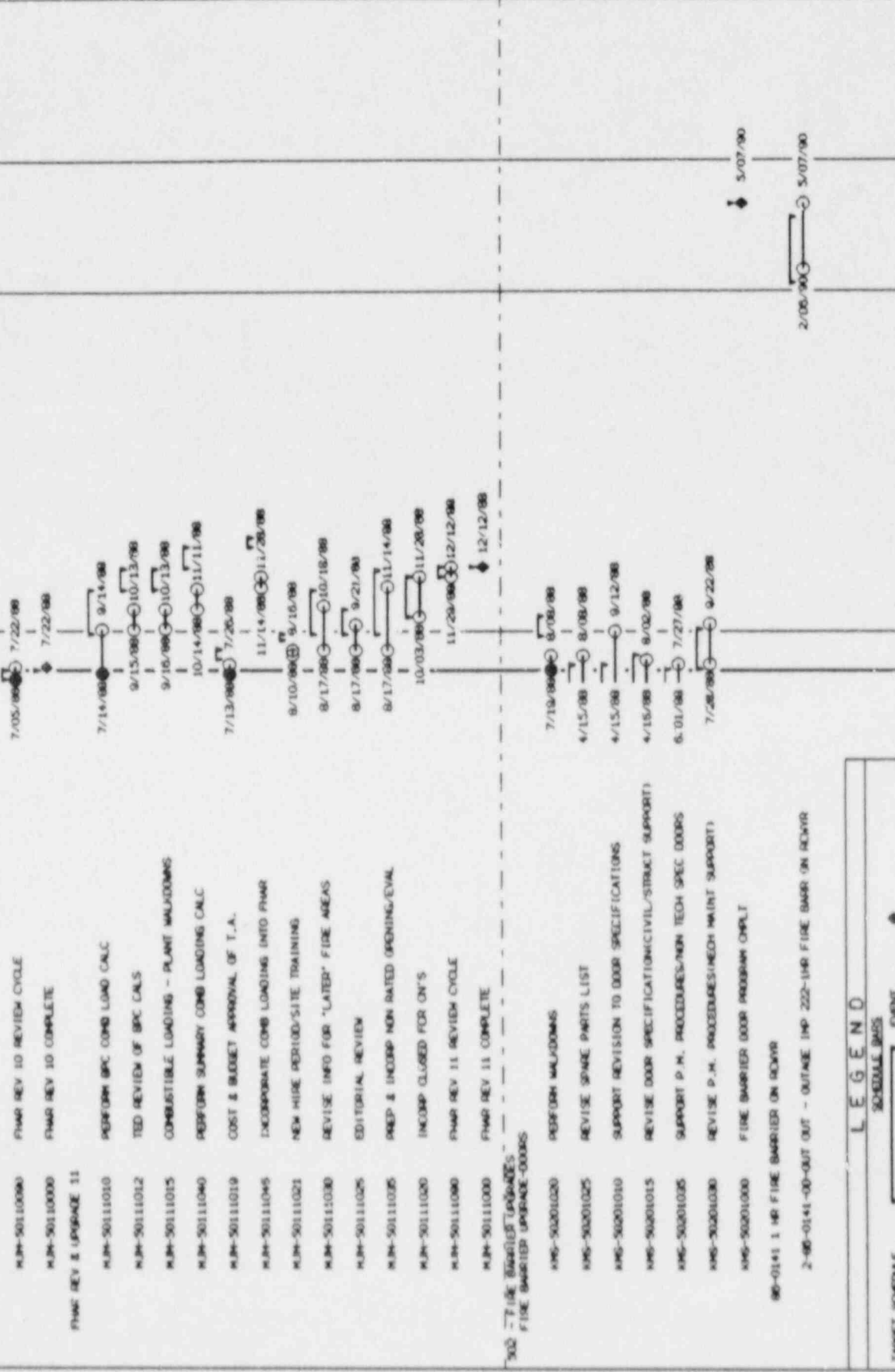
TARGET SCHEDULE 10  
 TASKS FINISH: 1/10/97  
 TASKS DATA DATE: 7/18/98

931 - CAR/PIPER REVISIONS AND UPGRADES  
 98-0143 CONNECT INTO BAY/TUBE SPRINKL.



CYCLE 5: J A S O N D J F M A M J J  
 CYCLE 6: L O O O  
 DATE: 12/18/98

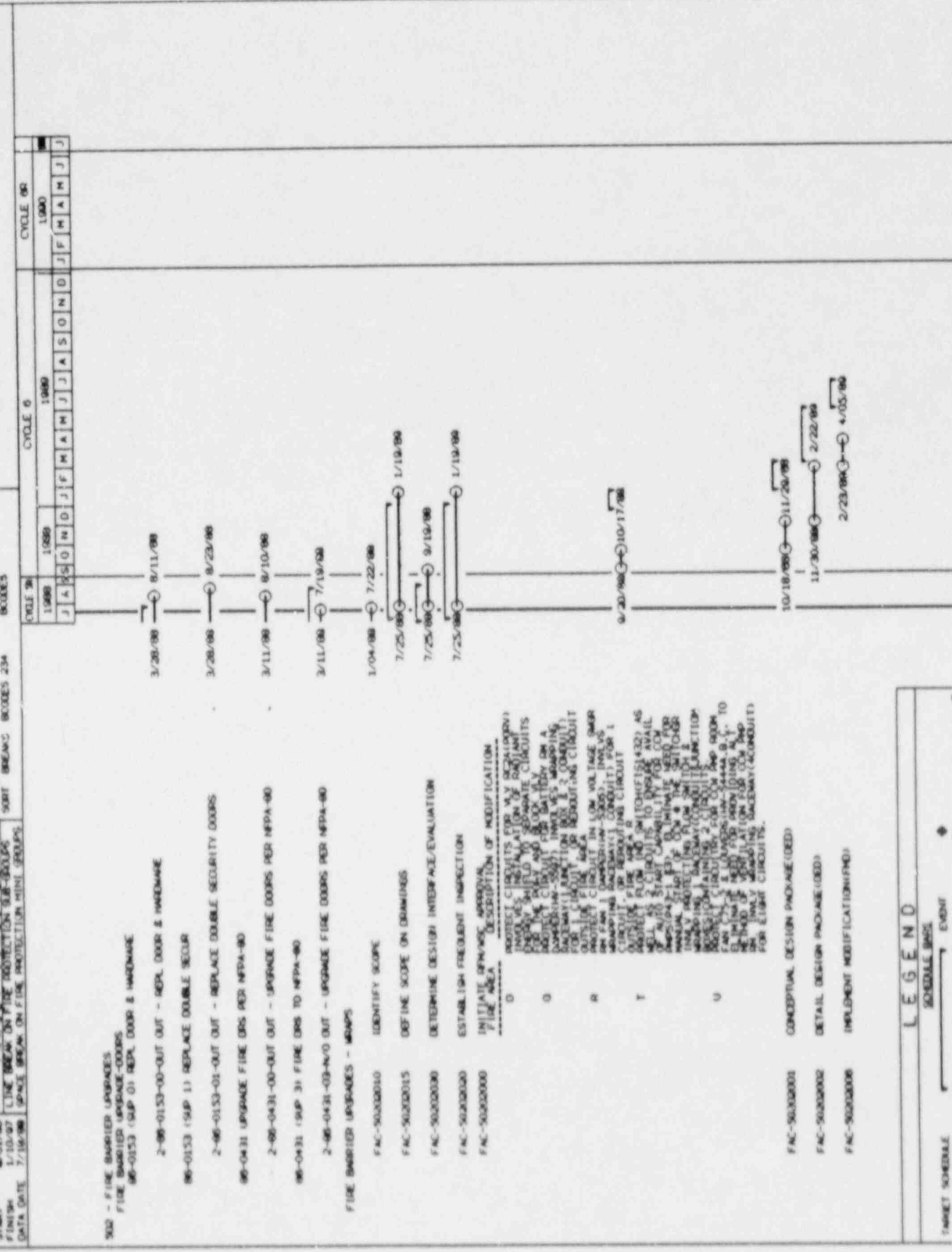




**LEGEND**

SCHEDULE BARS  
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 EARLY SCHEDULE: Dashed line with arrowhead  
 CRITICAL: Solid line with circle  
 NON-CRITICAL: Dotted line with circle





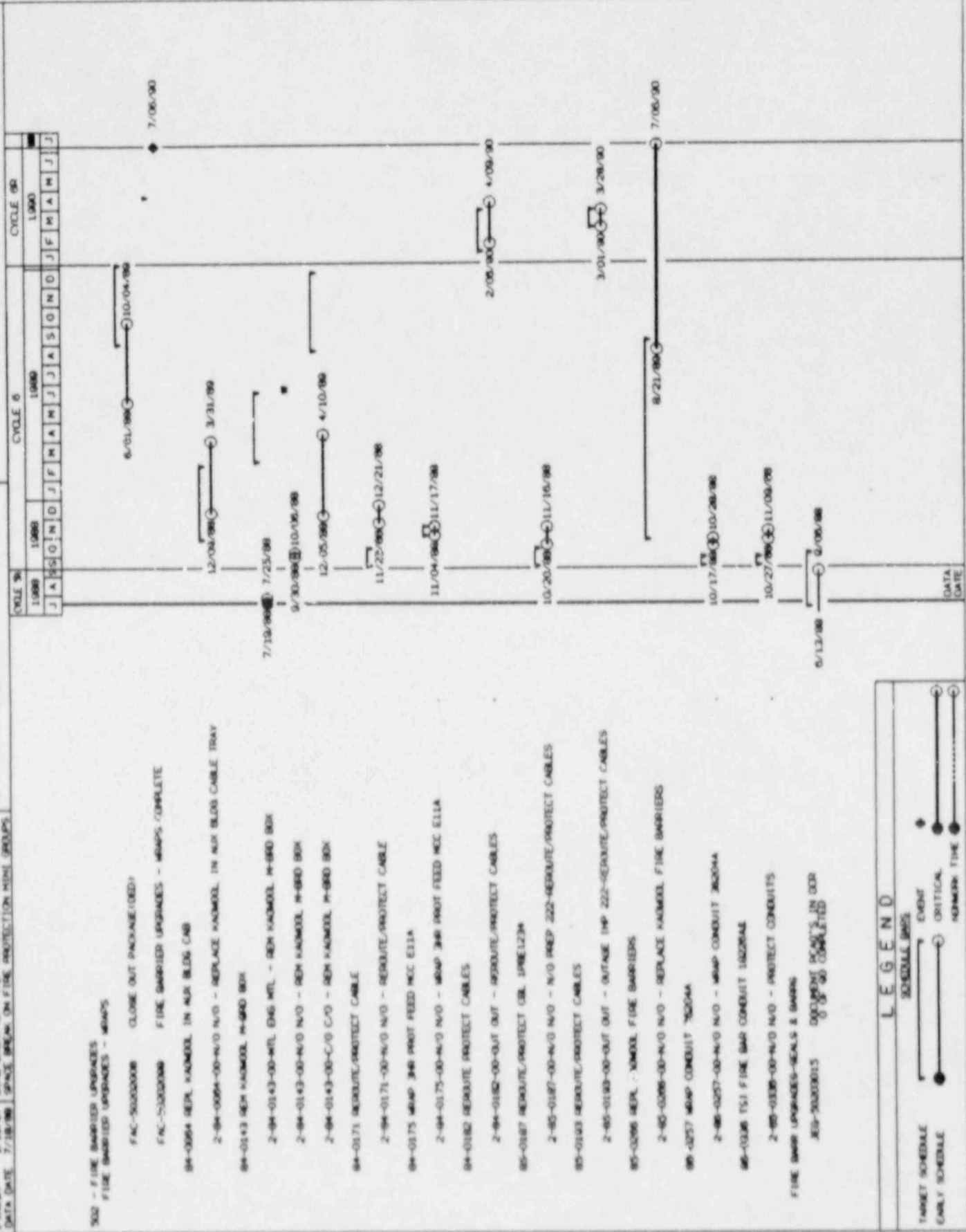
**LEGEND**  
 TARGET SCHEDULE: [Symbol] EVENT  
 EARLY SCHEDULE: [Symbol] CRITICAL  
 IMPLEMENT MODIFICATION(FIND): [Symbol] TIME

**PROJECT NAME:** FIRE PROTECTION PLAN  
**PLANT:** 021073A  
**DATE:** 1/10/97  
**FINISH:** 7/18/98  
**DATA DATE:** 7/18/98

**MODE F/B:** 1 MONTHS  
**INTERRUPTS:** 1 MONTHS  
**SPACE BREAK ON:** SUBT BREAKS BOXES 234

**TARGET SCHEDULE TO:** 1/10/97  
**100% FINISH DATE:** 7/18/98

**OBJECTIVE:** SCHEDULE BAR CHART





PROJECT MASTER  
 NAME: 070728A  
 DATE: 0701/06  
 FINISH: 1/10/97  
 DATA DATE: 7/18/99

\*\*\*\*\*  
 FIRE INSTRUCTION PLAN  
 T A S K S  
 CLEAR BREAK ON FIRE INSTRUCTION 311-3003S  
 SPICE BREAK ON FIRE INSTRUCTION MINI GROUPS

MODE T/A/E  
 INTERMEDIATE MONTH(S)  
 START BREAKS ON  
 SORT BREAKS CODES 234

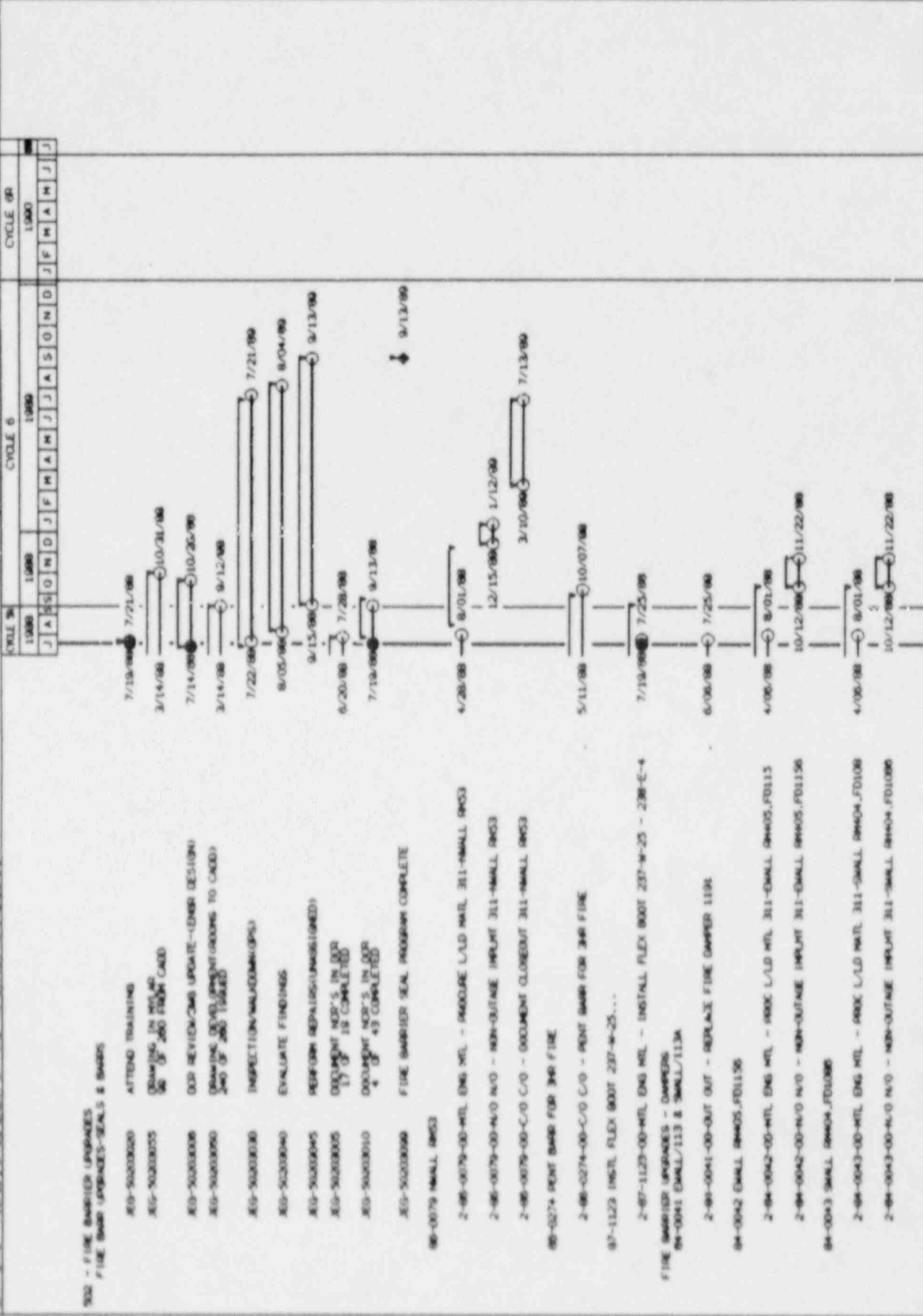
TARGET SCHEDULE 10  
 1000 FINISH 1/10/97  
 1000 DATA DATE 7/18/99

BOONES

CYCLE 6  
 1000 1000 1000  
 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

CYCLE 6R  
 1000  
 J A S O N D J F M A M J J

FIN 7/13/99 10:30  
 PROJECT SCHEDULE BOONES



LEGEND

TARGET SCHEDULE  
 EARLY SCHEDULE

SCHEDULE BBS  
 EVENT  
 CRITICAL  
 NORMAL TIME

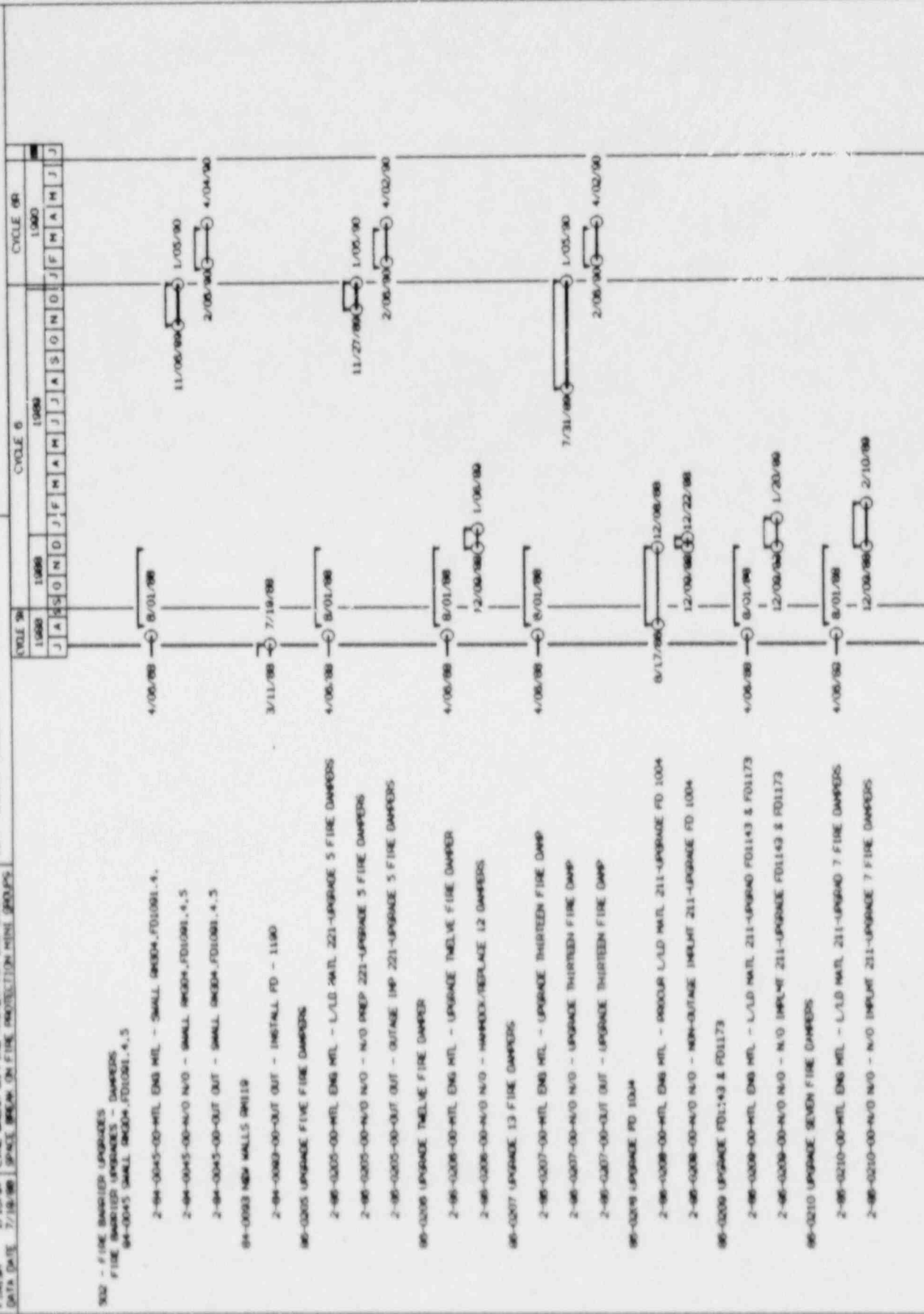
DATA DATE

PROJECT NAMED: FIRE DETECTION DELAY  
 DATE: 1/10/97  
 TIME: 11:00 AM  
 DATA DATE: 7/18/98

TAOSET SCHEDULE 10  
 TAGS FINISH: 1/10/97  
 TAGS DATA DATE: 7/18/98

MODE: FIVE MONTHS  
 INTERVAL: 1 MONTH(S)  
 START BREAK ON: SCHEDULE BRK\_OHRT  
 SORT BREAKS: CODES 234

302 - FIRE BARRIER UPGRADES  
 FIRE BARRIER UPGRADES - DAMPERS  
 94-0045 SMALL BRK04\_F01001.4.5



**LEGEND**

[Bar with arrow] SCHEDULE BRKS  
 [Bar with arrow] EVENT  
 [Bar with arrow] CRITICAL  
 [Bar with arrow] NUMBER TIME

DATE: 7/18/98 10:24  
 PROJECT: 234  
 SCHEDULE BRK\_OHRT

PROJECT MASTER: \*\*\*\*\* FINE PROTECTION PLAN \*\*\*\*\*  
 MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 START DATE: 8/01/96  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

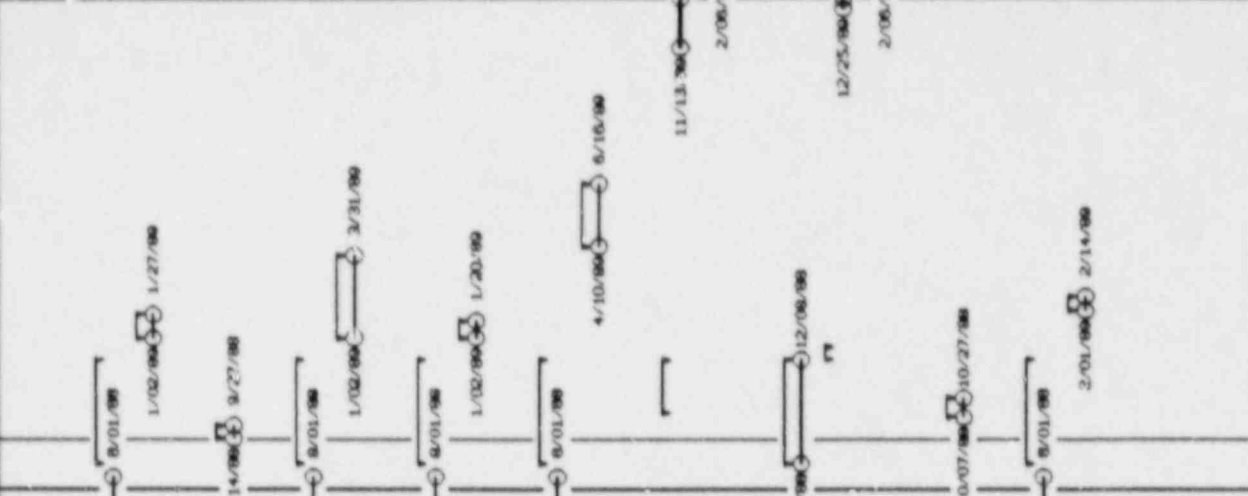
MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

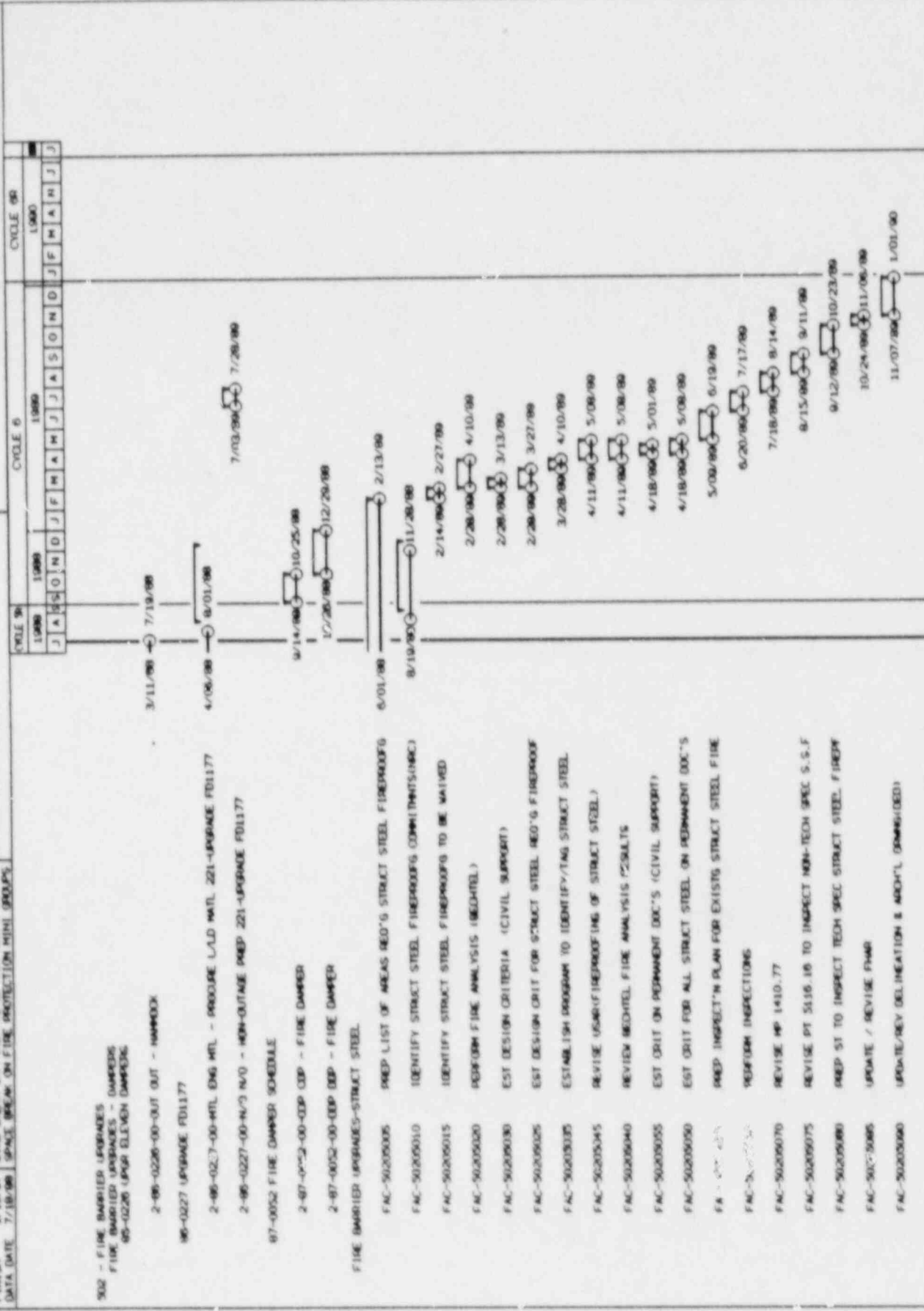
MODE 1/RE: 1/10/97  
 TARGET SCHEDULE 10  
 FINISH DATE: 1/10/97  
 DATA DATE: 7/19/96

302 - FIRE BARRIER UPGRADES  
 FIRE BARRIER UPGRADES - DAMPERS  
 98-0212 UPGRADE F01036 & F01039  
 98-0214 UPGRADE F01036 & F01039  
 98-0215 UPGRADE F01036 & F01039  
 98-0216 UPGRADE F01149 & F01150  
 98-0217 UPGRADE F01149 & F01150  
 98-0218 UPGRADE F01149 & F01150  
 98-0219 UPGRADE F01149 & F01150  
 98-0220 UPGRADE F01149 & F01150  
 98-0224 UPGRADE F01007  
 98-0224 UPGRADE F01007



### LEGEND

TARGET SCHEDULE EARLY SCHEDULE	SCHEDULE BASE EIGHT CRITICAL MEMBER TIME
-----------------------------------	---



**LEGEND**  
 TARGET SCHEDULE: [Symbol] SCHEDULE BASE  
 EARLY SCHEDULE: [Symbol] EVENT  
 CRITICAL: [Symbol] CRITICAL  
 NETWORK TIME: [Symbol] NETWORK TIME

PROJECT MASTER: FIRE PROTECTION PLAN  
 DATE: 1/10/97  
 FINISH: 1/10/97  
 DATA DATE: 7/18/96  
 VARIETY SCHEDULE 10  
 TASK FINISH: 1/10/97  
 TASK DATA DATE: 7/18/96  
 MODE: TIME INTERVAL MONTH(S) WEEK ON  
 START BEAMS BOGIES 234 BOGIES



PROJECT MASTER: FIRE PROTECTION PLAN  
 DATE: 1/10/97  
 FINISH: 1/10/97  
 DATA DATE: 7/18/96  
 VARIETY SCHEDULE 10  
 TASK FINISH: 1/10/97  
 TASK DATA DATE: 7/18/96  
 MODE: TIME INTERVAL MONTH(S) WEEK ON  
 START BEAMS BOGIES 234 BOGIES

PROJECT NUMBER: 902 - FIRE BARRIER UPGRADES  
 PLANT DEPARTMENT: FIRE PROTECTION DIVISION  
 DRAWING NUMBER: 001-50310000  
 DATE: 1/10/97  
 SHEET: 1 OF 2  
 PROJECT DESCRIPTION: FIRE BARRIER UPGRADES - UNIFORM BARRIER SYSTEMS (PROJECT MGR)  
 REVISIONS:  
 NO. DATE BY REVISIONS  
 1 1/10/97 J.L.H. 1  
 2 1/25/97 J.L.H. 2  
 3 1/30/97 J.L.H. 3  
 4 1/31/97 J.L.H. 4  
 5 2/21/97 J.L.H. 5  
 6 3/14/97 J.L.H. 6  
 7 7/21/97 J.L.H. 7



**LEGEND**  
 TARGET SCHEDULE: [Symbol] [Symbol]  
 EARLY SCHEDULE: [Symbol] [Symbol]  
 SCHEDULE BRNS: [Symbol]  
 EVENT: [Symbol]  
 CRITICAL: [Symbol]  
 RESERVE TIME: [Symbol]



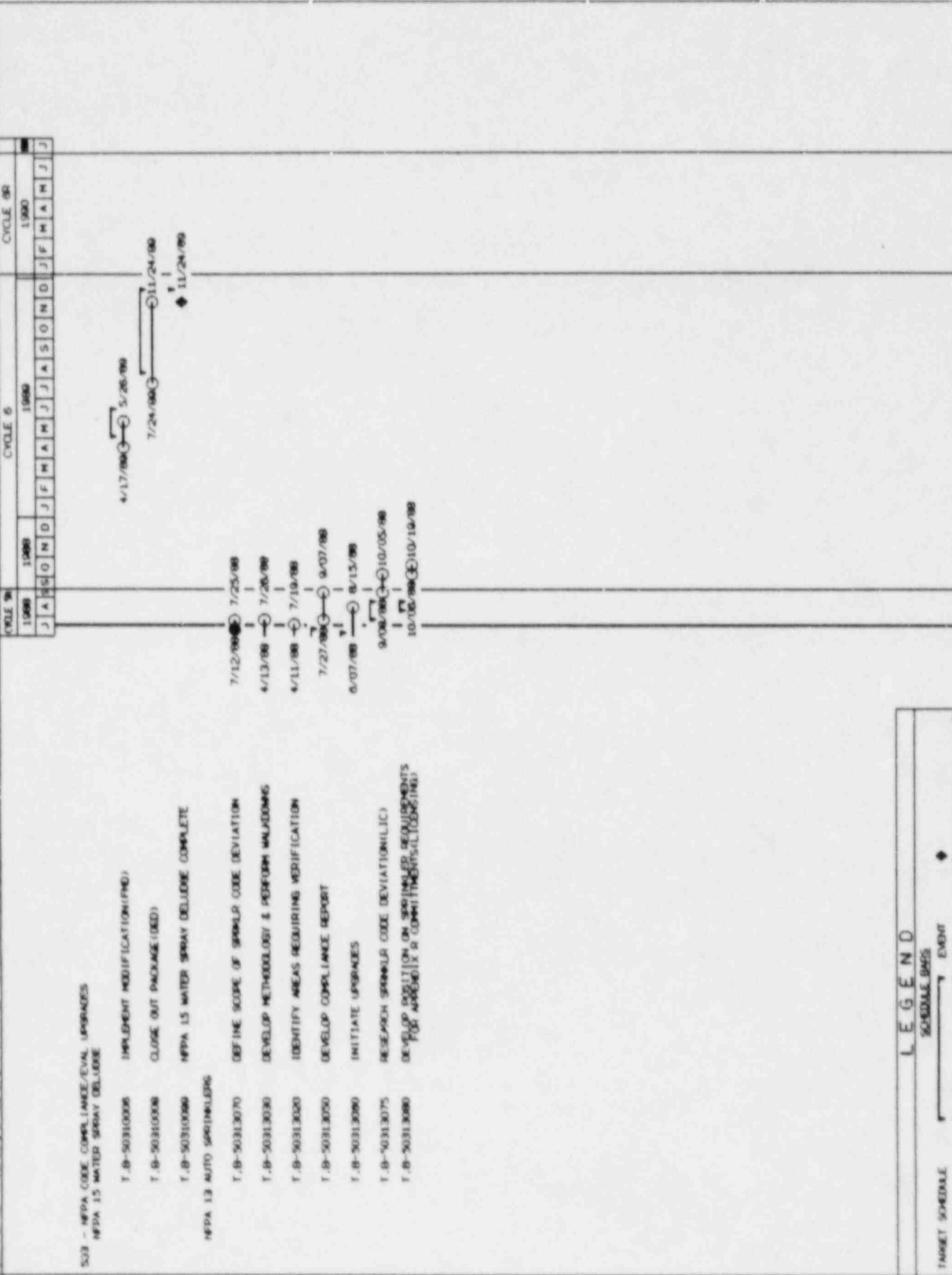
PROJECT MASTER  
 PLAN DE 07718A  
 PAGE 1  
 FINISH 1/10/97  
 DATA DATE 7/18/99

\*\*\*\*\*  
 FIRE PROTECTION PLAN  
 T A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
 [LINE BREAK ON FIRE PROTECTION] 8-B-30005  
 [LINE BREAK ON FIRE PROTECTION] MINI GROUPS

MODE T/VE  
 INTERIOR  
 SPACE BREAK ON  
 SORT BEAMS CODES 234

TARGET SCHEDULE 10  
 TAGG FINISH 1/10/97  
 TAGG DATE DATE 7/18/99

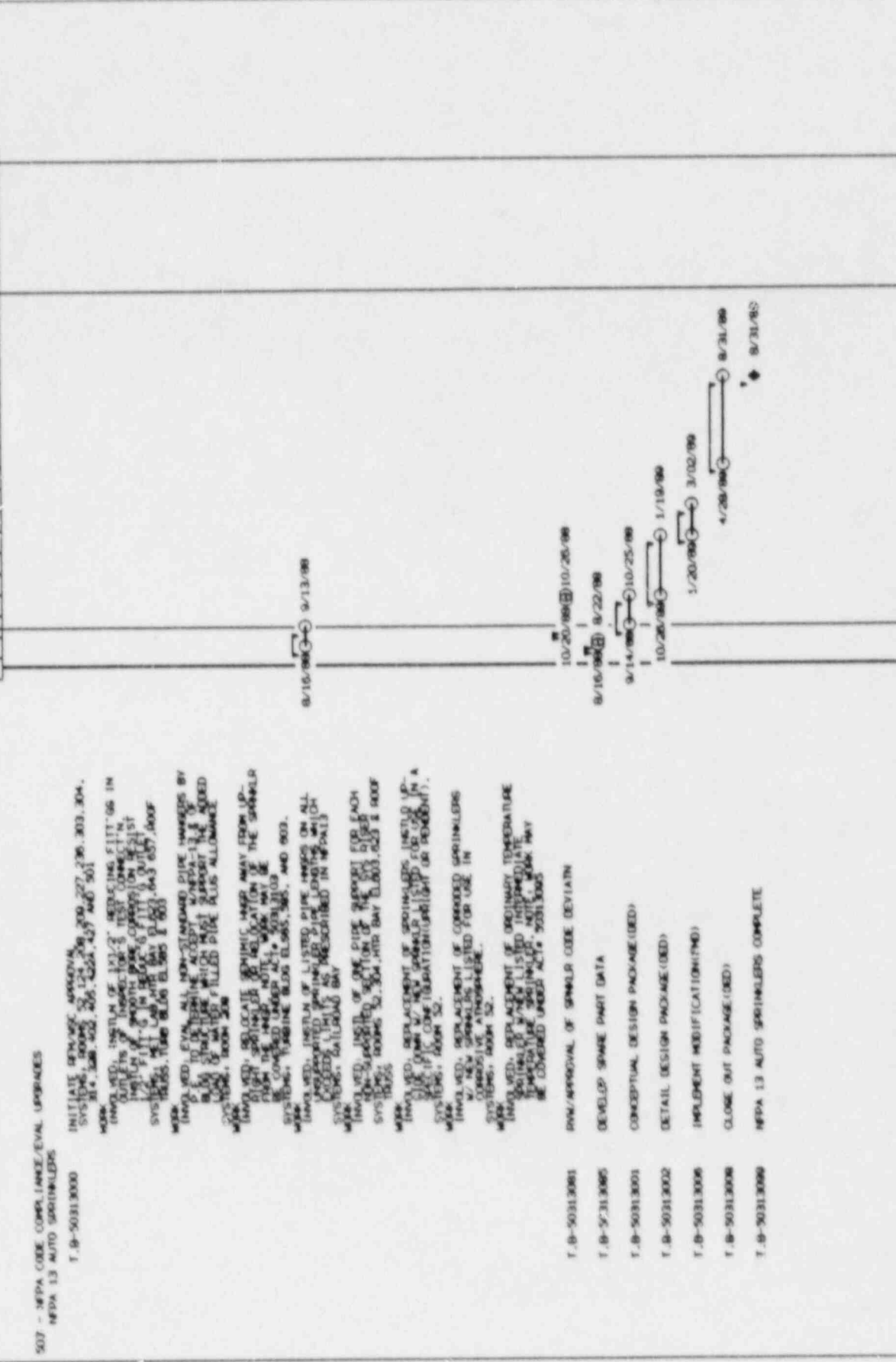
8/4 7/18/99 10/1/99  
 SCHEDULE 848 CHART



DATA DATE

PROJECT FACTOR: FIRE PROTECTION PLAN  
 DRAWING NO: 100718A  
 DATE: 1/10/97  
 FINISH DATE: 7/10/97  
 TARGET SCHEDULE TO: 1/10/97  
 TARGET FINISH DATE: 7/10/97  
 SCALE: 1/4" = 1'-0"  
 SHEET NO: 34  
 SHEETS: 34  
 PROJECT: 100718A  
 DATE: 1/10/97  
 FINISH DATE: 7/10/97  
 SCALE: 1/4" = 1'-0"  
 SHEET NO: 34  
 SHEETS: 34

507 - NFPA CODE COMPLIANCE/EVAL UPDATES  
 NFPA 13 AUTO SPRINKLERS  
 T. B-5031.3000



LEGEND  
 TARGET SCHEDULE  
 EARLY SCHEDULE  
 SCHEDULE BRGS  
 CRITICAL  
 NUMBER TIME

DATE: 1/10/97  
 DATE: 7/10/97  
 DATE: 9/13/98  
 DATE: 10/20/98  
 DATE: 8/22/98  
 DATE: 10/25/98  
 DATE: 1/19/99  
 DATE: 1/20/99  
 DATE: 3/02/99  
 DATE: 4/20/99  
 DATE: 8/31/98  
 DATE: 9/31/98





PROJECT MASTER  
 DE TOY/BA  
 8/01/88  
 1/10/97  
 7/18/99

FILE DESCRIPTION PLAN  
 T A S H  
 5 4 3 2 1  
 LINE BREAK ON FILE DESCRIPTION SUB-GROUPS  
 SPACE BREAK ON FILE PRODUCTION MINI GROUPS

MAKE TIME  
 INTERMEDIATE (MONTHS)  
 MAKE BREAK OF  
 SORT BREAKS (WEEKS) 234

TARGET SCHEDULE TO  
 TASK FINISH 1/10/97  
 TASK DATA DATE 7/18/99

8/9 7/12/90 10/25  
 500,000/7/2 8883  
 SCHEDULE BMS CHART



**LEGEND**

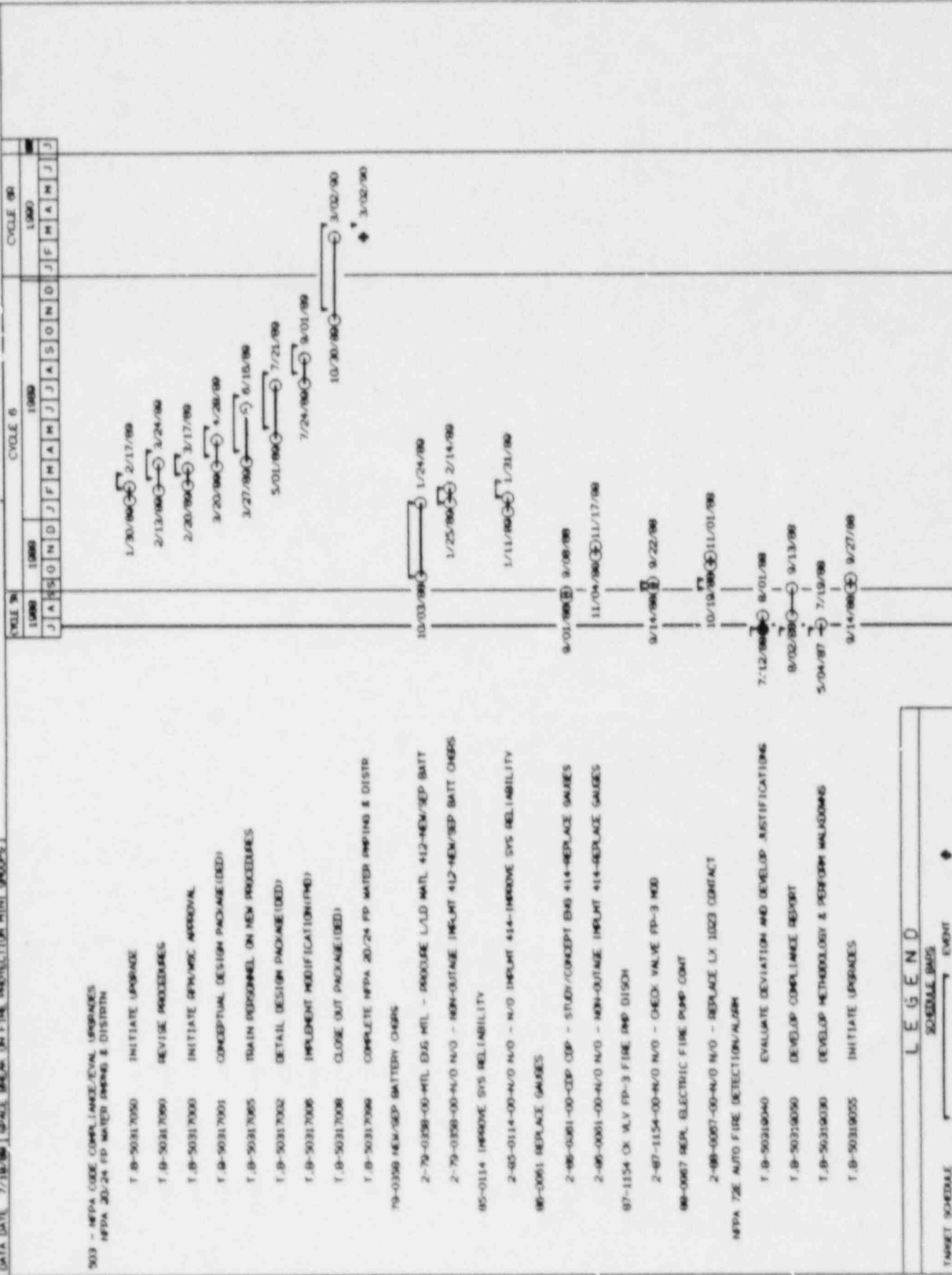
TARGET SCHEDULE  
 EARLY SCHEDULE  
 SCHEDULE BMS  
 CRITICAL  
 NORMAL TIME  
 DATA DATE

PROJECT MASTER PLAN  
 503 - NFPA CODE COMPLIANCE/EVAL UPGRADES  
 NFPA 20-24 FP WATER PUMPING & DISTRIBUTION

MODE I - 96 MONTHS  
 INTERVAL 1 MONTHS  
 START DATE 7/18/99  
 END DATE 7/18/00

YANKEE SCHEDULE 10  
 1400 FINISH 1/10/97  
 1400 DATA DATE 7/18/99

DATE 7/18/99  
 PROJECT 503  
 SCHEDULE BAR CHART



LEGEND

TARGET SCHEDULE: [Bar with arrow]

EARLY SCHEDULE: [Bar with arrow]

SCHEDULE BASIS: [Bar with arrow]

EVENT: [Circle]

CRITICAL: [Circle with dot]

MARKER: [Circle with dot]

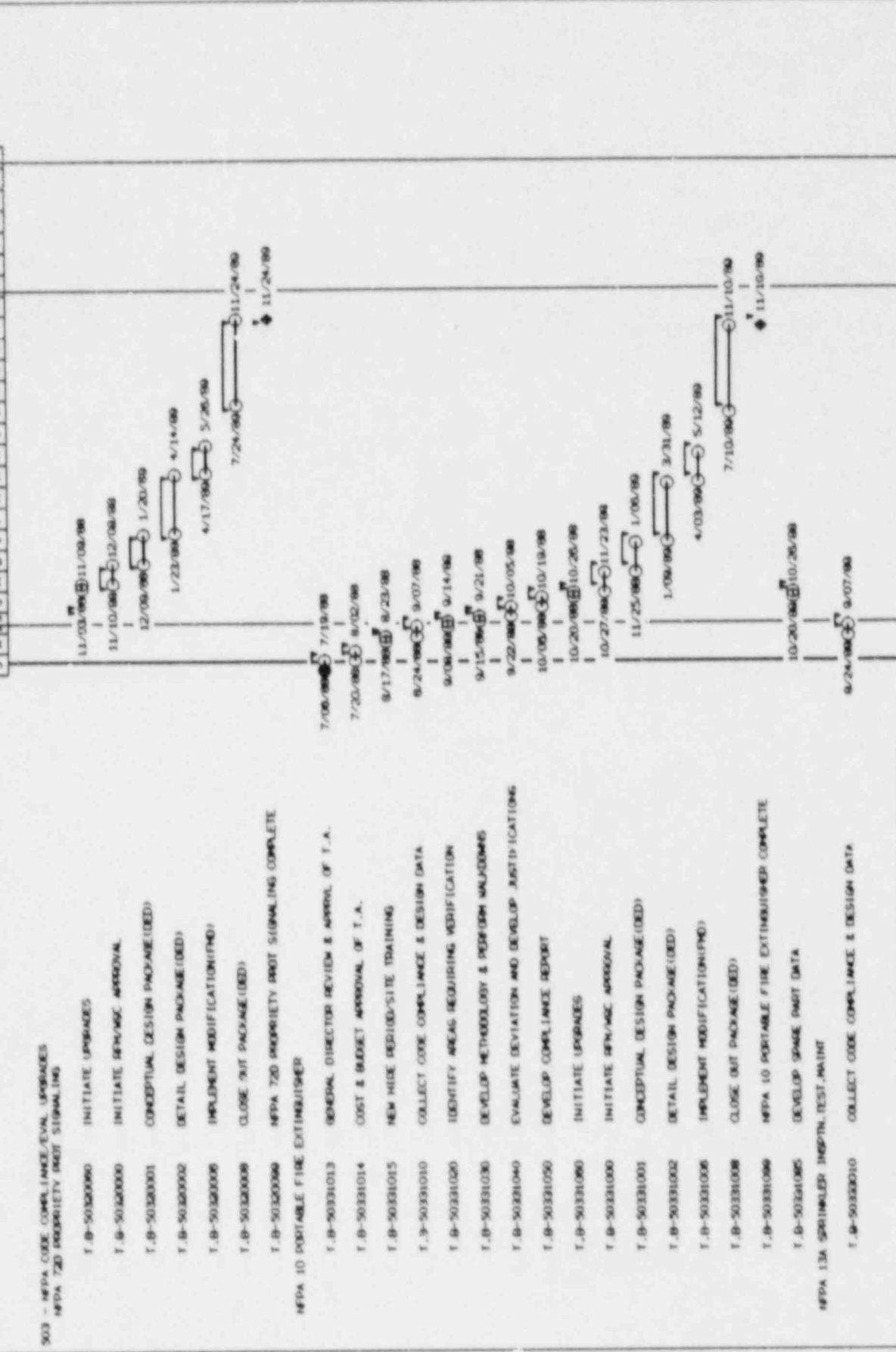
TIME: [Line]

DATE: [Text]



PROJECT FACTS: PROJECT NAME: FIVE PROTECTION PLAN  
 DATE: 7/10/80  
 PROJECT NO.: 503  
 PROJECT LOCATION: 1110 S. 10TH ST. (EAST SIDE)  
 PROJECT DESCRIPTION: FIVE PROTECTION PLAN UPGRADES  
 PROJECT DATA: 7/10/80 SPACE: 800-234 FIRE PROTECTION MINI GROUPS

MAKE TIME INTERVAL: MONTH(S) 1  
 TAKE OFF DATE: 7/10/80  
 SORT: DRAWS: 800-234  
 CODES: 800-234



503 - NFPA CODE COMPLIANCE/EVAL. UPGRADES  
 NFPA 720 PROPRIETY NOT SIGNALING

**LEGEND**

SCHEDULE BARS

TARGET SCHEDULE: Solid line with diamond at end

EARLY SCHEDULE: Solid line with circle at end

EVENT: Solid line with circle at end

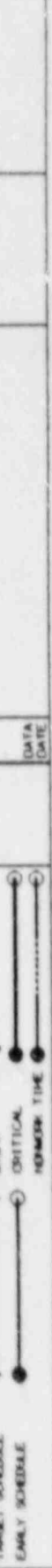
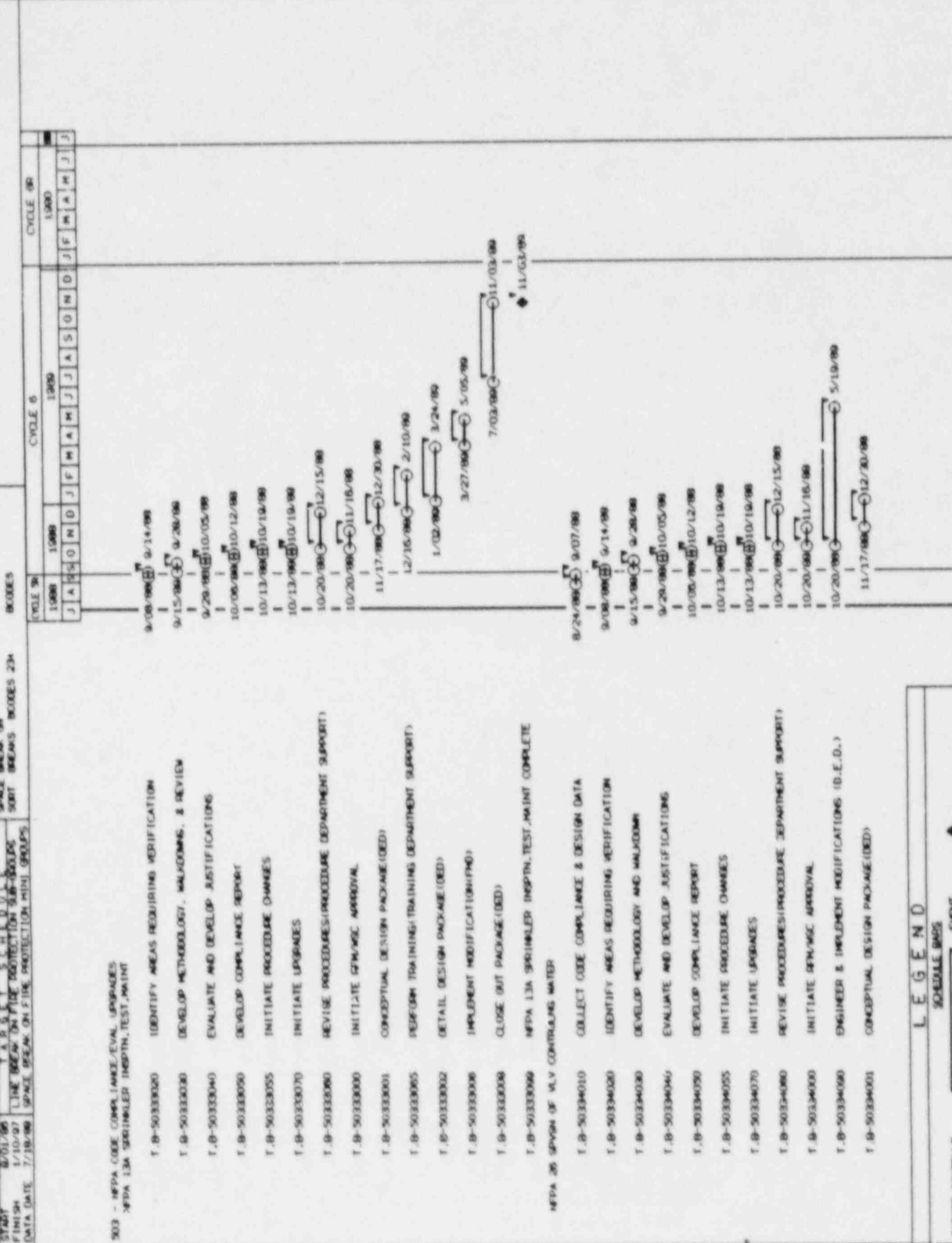
CRITICAL: Solid line with diamond at end

NORMAL TIME: Dashed line with circle at end

TARGET SCHEDULE TO 1/10/97  
 1400 FINISH 7/18/98  
 1400 DATA DATE 7/18/98

MODE T/BE  
 INTERIOR 1  
 SPACE BREAK ON  
 SORT BREAKS CODES 234

303 - NFPA CODE COMPLIANCE/EVAL UPGRADES  
 NFPA 13A SPRINKLER INSPN,TEST,MAINT



CYCLE 5  
 1998  
 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

CYCLE 6  
 1999  
 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

1998  
 1999  
 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

DATE

PROJECT MASTER  
 ALLOT DE 70718A  
 PAGE 1  
 FINISH 1/10/97  
 DATA DATE 7/18/96

\*\*\*\*\*  
 FIRE PROTECTION PLAN  
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
 THE BREAK ON FIRE PROTECTION SUB-SYSTEMS  
 SPACE BREAK ON FIRE PROTECTION MINI GROUPS

MODE TIME  
 1/10/97  
 7/18/96

\*\*\*\*\*  
 TARGET SCHEDULE 10  
 1/10/97  
 7/18/96

\*\*\*\*\*  
 SCHEDULE BRG DMMPT  
 SCHEDULE BRG DMMPT



LEGEND

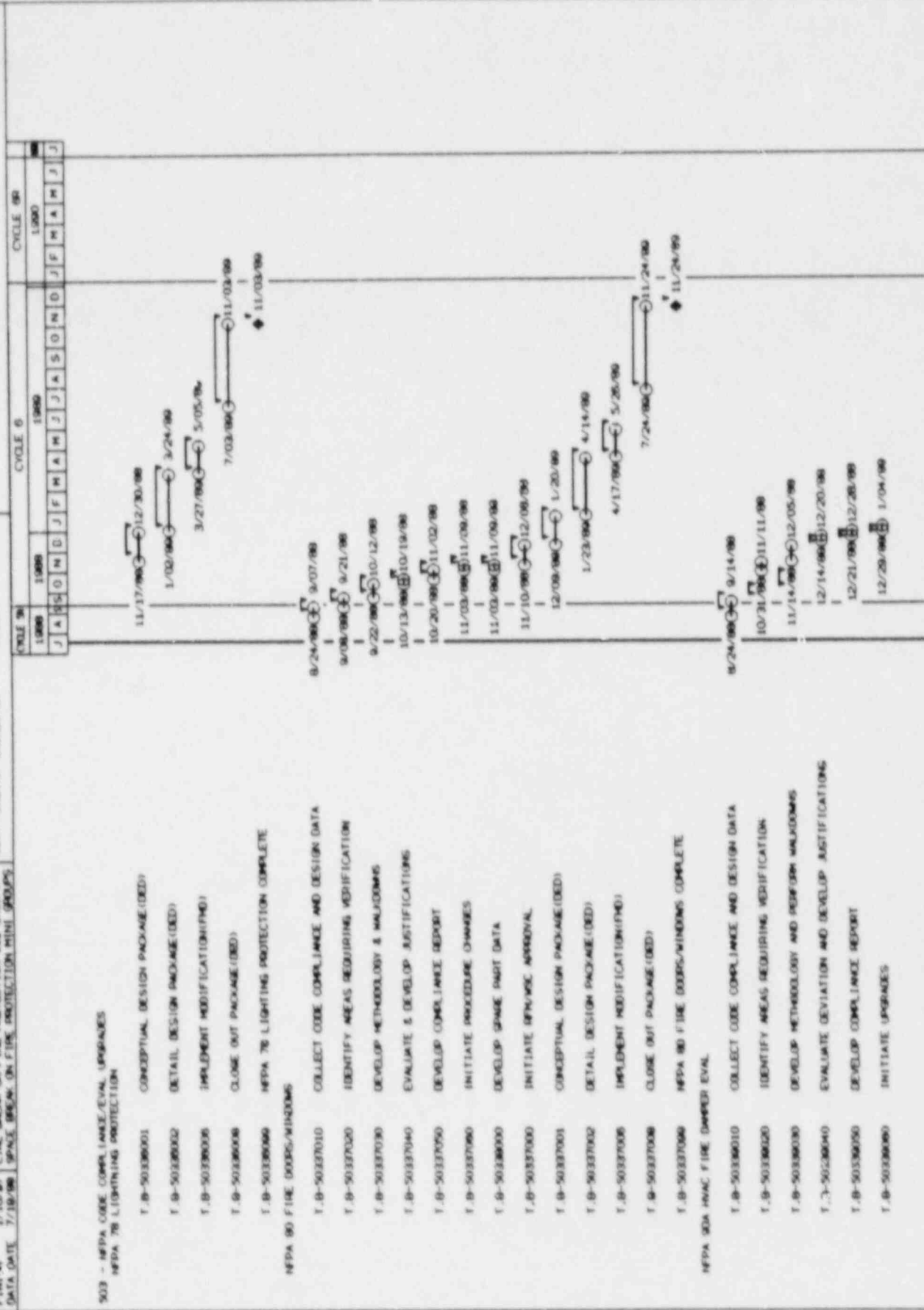
TARGET SCHEDULE  
 EARLY SCHEDULE

SCHEDULE BRGS

ENDP  
 CRITICAL  
 NONWORK TIME



PROJECT MASTER: \*\*\*\*\*  
 FIRE PROTECTION PLAN  
 DATE: 1/10/97  
 DRAWN BY: S. H. L. U.  
 CHECKED BY: S. H. L. U.  
 DATE: 7/18/98  
 TARGET SCHEDULE ID: 1000  
 1000 FINISH: 1/10/97  
 1000 DATA DATE: 7/18/98  
 WEEK 1/8E  
 MONTH(S):  
 SPACE BREAK ON  
 SORT BREAKS: BOOKS 234  
 BOOKS:  
 CYCLE 6  
 1000  
 1000  
 1000  
 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  
 CYCLE 98  
 1000  
 1000  
 1000  
 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



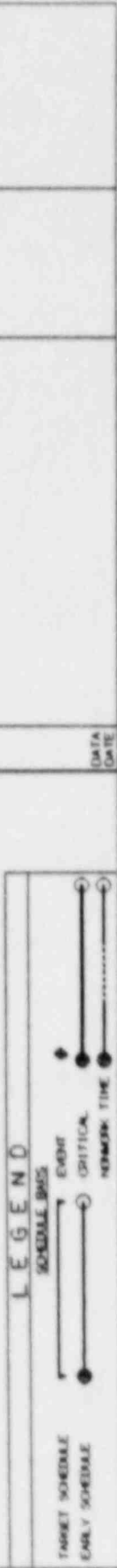
**LEGEND**

TARGET SCHEDULE: [Line with diamond] EVENT  
 EARLY SCHEDULE: [Line with circle] CRITICAL  
 SCHEDULE BASIS: [Line with circle] HEADWORK TIME

PROJECT MASTER SHEET NO. 503 - NEPA CODE COMPLIANCE/EVAL UPDATES  
 FIRE PROTECTION PLAN  
 SHEET NO. 1  
 DATE 1/10/97  
 FINISH 1/10/97  
 DATA DATE 7/18/98

NEPA 30 FLAMMABLE/COMBUSTIBLE LIQUID

WBS CODE	DESCRIPTION	MODE / R/E	START DATE	FINISH DATE	STATUS	DATE
T.B-50330000	INITIATE RPN/WSC APPROVAL		1/05/98	2/01/98		
T.B-50330001	CONCEPTUAL DESIGN PACKAGE (DED)		2/02/98	3/13/98		
T.B-50330002	DETAIL DESIGN PACKAGE (DED)		3/16/98	5/07/98		
T.B-50330006	IMPLEMENT MODIFICATION (PND)		6/08/98	7/13/98		
T.B-50330008	CLOSE OUT PACKAGE (DED)		9/14/98	1/17/98		
T.B-50330009	NEPA 30A HVAC FIRE DAMPED EVALUATION COMPLETE					
T.B-50341010	COLLECT CODE COMPLIANCE & DESIGN DATA		8/24/98	9/07/98		
T.B-50341020	COLLECT CODE COMPLIANCE/DESIGN DATA (INDUST SAFETY)		8/24/98	9/07/98		
T.B-50341015	COLLECT CODE COMPLIANCE & DESIGN DATA (ENVIRONMENTAL)		8/24/98	9/07/98		
T.B-50341025	IDENTIFY AREAS REQUIRING MODIFICATION		9/08/98	9/14/98		
T.B-50341030	DEVELOP METHODOLOGY & PERFORM CALCULATIONS		9/15/98	9/21/98		
T.B-50341040	EVAL DEVIATION & DEV JUSTIFICATION (ENVIRONMENTAL)		9/22/98	10/05/98		
T.B-50341045	EVALUATE DEVIATION AND DEVELOP JUSTIFICATIONS		9/22/98	10/05/98		
T.B-50341035	EVAL DEVIATION & DEV JUSTIFICATION (INDUST. SAFETY)		9/22/98	10/05/98		
T.B-50341050	DEVELOP COMPLIANCE REPORT		10/06/98	10/19/98		
T.B-50341056	INITIATE PROCEDURE CHANGES (INDUST SAFETY)		10/20/98	10/26/98		
T.B-50341057	INITIATE PROCEDURE CHANGES (ENVIRONMENTAL)		10/20/98	10/26/98		
T.B-50341055	INITIATE PROCEDURE CHANGES		10/20/98	10/26/98		
T.B-50341061	INITIATE UPDATES CHANGES (ENVIRONMENTAL)		10/20/98	10/26/98		
T.B-50341062	INITIATE UPDATES CHANGES (INDUST SAFETY)		10/20/98	10/26/98		
T.B-50341080	INITIATE UPGRADE		10/27/98	11/23/98		
T.B-50341000	INITIATE RPN/WSC APPROVAL (DED)		10/27/98	12/08/98		
T.B-50341085	PERFORM PROCEDURE CHANGES		11/25/98	1/06/99		
T.B-50341001	CONCEPTUAL DESIGN PACKAGE (DED)		12/08/98	3/03/99		
T.B-50341070	TRAINING ON NEW PROCEDURE CHANGES					



PROJECT MASTER SHEET NO. 503 - NEPA CODE COMPLIANCE/EVAL UPDATES  
 FIRE PROTECTION PLAN  
 SHEET NO. 1  
 DATE 1/10/97  
 FINISH 1/10/97  
 DATA DATE 7/18/98

NEPA 30 FLAMMABLE/COMBUSTIBLE LIQUID

WBS CODE: T.B-50330000  
 DESCRIPTION: INITIATE RPN/WSC APPROVAL  
 MODE / R/E: /  
 START DATE: 1/05/98  
 FINISH DATE: 2/01/98  
 STATUS: /

WBS CODE: T.B-50330001  
 DESCRIPTION: CONCEPTUAL DESIGN PACKAGE (DED)  
 MODE / R/E: /  
 START DATE: 2/02/98  
 FINISH DATE: 3/13/98  
 STATUS: /

WBS CODE: T.B-50330002  
 DESCRIPTION: DETAIL DESIGN PACKAGE (DED)  
 MODE / R/E: /  
 START DATE: 3/16/98  
 FINISH DATE: 5/07/98  
 STATUS: /

WBS CODE: T.B-50330006  
 DESCRIPTION: IMPLEMENT MODIFICATION (PND)  
 MODE / R/E: /  
 START DATE: 6/08/98  
 FINISH DATE: 7/13/98  
 STATUS: /

WBS CODE: T.B-50330008  
 DESCRIPTION: CLOSE OUT PACKAGE (DED)  
 MODE / R/E: /  
 START DATE: 9/14/98  
 FINISH DATE: 1/17/98  
 STATUS: /

WBS CODE: T.B-50341010  
 DESCRIPTION: COLLECT CODE COMPLIANCE & DESIGN DATA  
 MODE / R/E: /  
 START DATE: 8/24/98  
 FINISH DATE: 9/07/98  
 STATUS: /

WBS CODE: T.B-50341020  
 DESCRIPTION: COLLECT CODE COMPLIANCE/DESIGN DATA (INDUST SAFETY)  
 MODE / R/E: /  
 START DATE: 8/24/98  
 FINISH DATE: 9/07/98  
 STATUS: /

WBS CODE: T.B-50341015  
 DESCRIPTION: COLLECT CODE COMPLIANCE & DESIGN DATA (ENVIRONMENTAL)  
 MODE / R/E: /  
 START DATE: 8/24/98  
 FINISH DATE: 9/07/98  
 STATUS: /

WBS CODE: T.B-50341025  
 DESCRIPTION: IDENTIFY AREAS REQUIRING MODIFICATION  
 MODE / R/E: /  
 START DATE: 9/08/98  
 FINISH DATE: 9/14/98  
 STATUS: /

WBS CODE: T.B-50341030  
 DESCRIPTION: DEVELOP METHODOLOGY & PERFORM CALCULATIONS  
 MODE / R/E: /  
 START DATE: 9/15/98  
 FINISH DATE: 9/21/98  
 STATUS: /

WBS CODE: T.B-50341040  
 DESCRIPTION: EVAL DEVIATION & DEV JUSTIFICATION (ENVIRONMENTAL)  
 MODE / R/E: /  
 START DATE: 9/22/98  
 FINISH DATE: 10/05/98  
 STATUS: /

WBS CODE: T.B-50341045  
 DESCRIPTION: EVALUATE DEVIATION AND DEVELOP JUSTIFICATIONS  
 MODE / R/E: /  
 START DATE: 9/22/98  
 FINISH DATE: 10/05/98  
 STATUS: /

WBS CODE: T.B-50341035  
 DESCRIPTION: EVAL DEVIATION & DEV JUSTIFICATION (INDUST. SAFETY)  
 MODE / R/E: /  
 START DATE: 9/22/98  
 FINISH DATE: 10/05/98  
 STATUS: /

WBS CODE: T.B-50341050  
 DESCRIPTION: DEVELOP COMPLIANCE REPORT  
 MODE / R/E: /  
 START DATE: 10/06/98  
 FINISH DATE: 10/19/98  
 STATUS: /

WBS CODE: T.B-50341056  
 DESCRIPTION: INITIATE PROCEDURE CHANGES (INDUST SAFETY)  
 MODE / R/E: /  
 START DATE: 10/20/98  
 FINISH DATE: 10/26/98  
 STATUS: /

WBS CODE: T.B-50341057  
 DESCRIPTION: INITIATE PROCEDURE CHANGES (ENVIRONMENTAL)  
 MODE / R/E: /  
 START DATE: 10/20/98  
 FINISH DATE: 10/26/98  
 STATUS: /

WBS CODE: T.B-50341055  
 DESCRIPTION: INITIATE PROCEDURE CHANGES  
 MODE / R/E: /  
 START DATE: 10/20/98  
 FINISH DATE: 10/26/98  
 STATUS: /

WBS CODE: T.B-50341061  
 DESCRIPTION: INITIATE UPDATES CHANGES (ENVIRONMENTAL)  
 MODE / R/E: /  
 START DATE: 10/20/98  
 FINISH DATE: 10/26/98  
 STATUS: /

WBS CODE: T.B-50341062  
 DESCRIPTION: INITIATE UPDATES CHANGES (INDUST SAFETY)  
 MODE / R/E: /  
 START DATE: 10/20/98  
 FINISH DATE: 10/26/98  
 STATUS: /

WBS CODE: T.B-50341080  
 DESCRIPTION: INITIATE UPGRADE  
 MODE / R/E: /  
 START DATE: 10/27/98  
 FINISH DATE: 11/23/98  
 STATUS: /

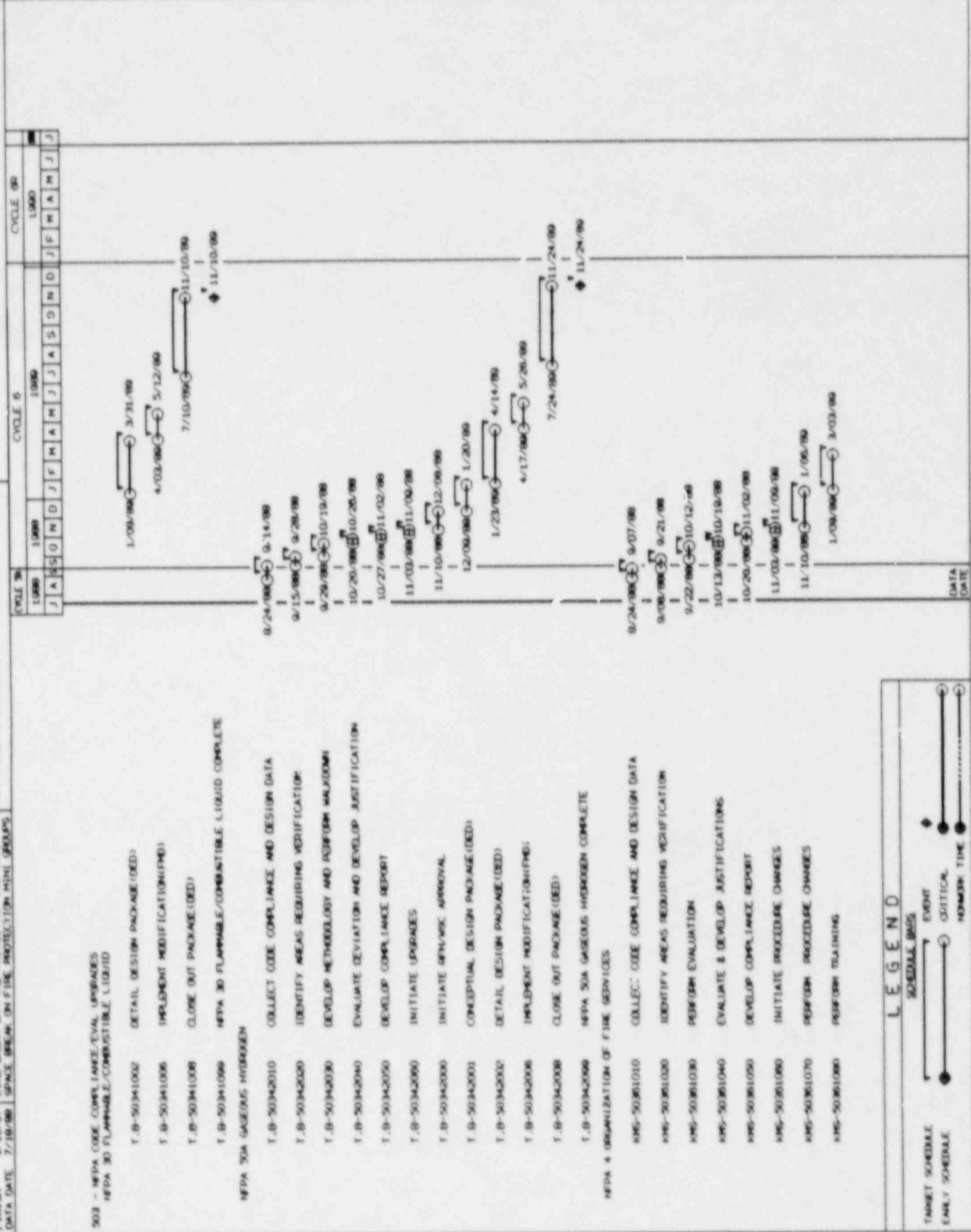
WBS CODE: T.B-50341000  
 DESCRIPTION: INITIATE RPN/WSC APPROVAL (DED)  
 MODE / R/E: /  
 START DATE: 10/27/98  
 FINISH DATE: 12/08/98  
 STATUS: /

WBS CODE: T.B-50341085  
 DESCRIPTION: PERFORM PROCEDURE CHANGES  
 MODE / R/E: /  
 START DATE: 11/25/98  
 FINISH DATE: 1/06/99  
 STATUS: /

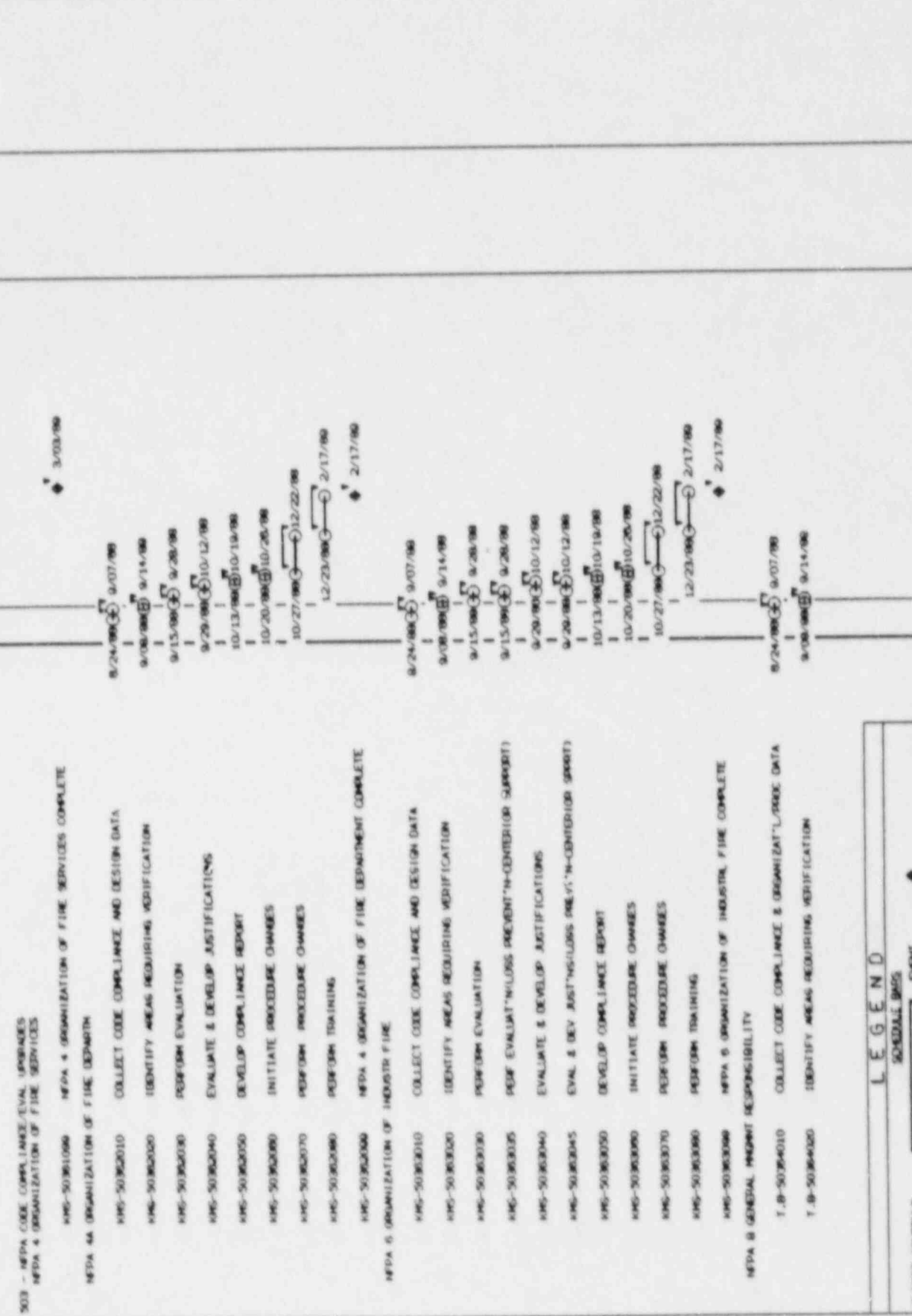
WBS CODE: T.B-50341001  
 DESCRIPTION: CONCEPTUAL DESIGN PACKAGE (DED)  
 MODE / R/E: /  
 START DATE: 12/08/98  
 FINISH DATE: 3/03/99  
 STATUS: /

WBS CODE: T.B-50341070  
 DESCRIPTION: TRAINING ON NEW PROCEDURE CHANGES  
 MODE / R/E: /  
 START DATE: /  
 FINISH DATE: /  
 STATUS: /

PROJECT MASTER: \*\*\*\*\*  
 FINE PROTECTION PLAN  
 PLOT: 0210718A  
 SHEET: 21  
 DATE: 8/01/86  
 FINISH: 1/10/97  
 DATA DATE: 7/18/86  
 L'INE BREAK ON FIRE PROTECTION SUB-BRIDGE  
 SPACE BREAK ON FIRE PROTECTION MINI GROUPS  
 MODE: T/BE  
 INTENT: 1 MONTH(S)  
 SPACE BREAK ON  
 SORT BREAKS: CODES 234  
 CODES  
 TARGET SCHEDULE 10  
 1400 FINISH: 1/10/97  
 1400 DATA DATE: 7/18/86  
 RUN: 7/18/86 10:28  
 SCHEDULE BRG CHGPT



PROJECT MASTER	*****	TARGET SCHEDULE IS	10/25/98
CLIENT	DELOTT/DA	1000 FINISH	1/10/97
DATE	7/12/98	1000 DATA DATE	7/12/98
FINISH	1/10/97	MODE T/RE	INTERVAL
DATA DATE	7/12/98	SPACE BREAK ON	SPACE BREAK ON
		SPACE BREAK ON FIRE PROTECTION SUB-GROUPS	SPACE BREAK ON
		SPACE BREAK ON FIRE PROTECTION MINI-GROUPS	SPACE BREAK ON



**LEGEND**

- TARGET SCHEDULE
- EARLY SCHEDULE
- SCHEDULE BRG
- EVENT
- CRITICAL
- NETWORK TIME

PROJECT MASTER: \*\*\*\*\*  
 0101 DE 070184 FIRE PROTECTION PLAN  
 1/10/97 8/01/98  
 FINISH 1/10/97  
 DATA DATE 7/18/98  
 SPCAL. BECOM. ON FIRE PROTECTION SUB-GROUPS  
 F.A.S.S.T. S.C.H.O.U.  
 LINE BREAK ON FIRE PROTECTION SUB-GROUPS  
 MODE TYPE INTERV. MONTH(S)  
 TAKE FINISH 1/10/97  
 TARGET SCHEDULE TO 7/18/98  
 TAKE DATA DATE 7/18/98  
 SCHEDULE PER COMET

503 - NFPA CODE COMPLIANCE/EVAL. UPGRADES  
 NFPA 9 GENERAL WEIGHT RESPONSIBILITY

T.B-50304030 DEVELOP METHODOLOGY & PERFORM PERSONNEL INTERVIEWS

T.B-50304040 EVALUATE DEVIATION AND DEVELOP JUSTIFICATION

T.B-50304050 DEVELOP COMPLIANCE REPORT

T.B-50304060 INITIATE ADMINISTRATIVE & PROCEDURAL CHANGES

T.B-50304070 REVISE ORGANIZATIONAL DOCUMENTS & PROCEDURES

T.B-50304080 TRAIN PERSONNEL ON NEW ORGANIZAT'L DOC'S & PROC

T.B-50304090 NFPA 9 GENERAL MANAGEMENT RESPONSIBILITY COMPLETE

NFPA 27 RECOMMENDATION FOR FIRE BRIG

KMS-50305010 COLLECT CODE COMPLIANCE AND DESIGN DATA

KMS-50305020 IDENTIFY AREAS REQUIRING VERIFICATION

KMS-50305030 PERFORM EVALUATION

KMS-50305035 PERFORM EVALUATION (TRAINING SUPPORT)

KMS-50305040 EVALUATE & DEVELOP JUSTIFICATIONS

KMS-50305045 EVAL & DEV JUSTIFICATIONS (TRAINING SUPPORT)

KMS-50305050 DEVELOP COMPLIANCE REPORT

KMS-50305060 INITIATE PROCEDURE CHANGES

KMS-50305070 PERFORM PROCEDURE CHANGES

KMS-50305080 PERFORM TRAINING

NFPA 51 02 FUEL GAS SYS-OUTFIELD

KMS-50306010 COLLECT CODE COMPLIANCE AND DESIGN DATA

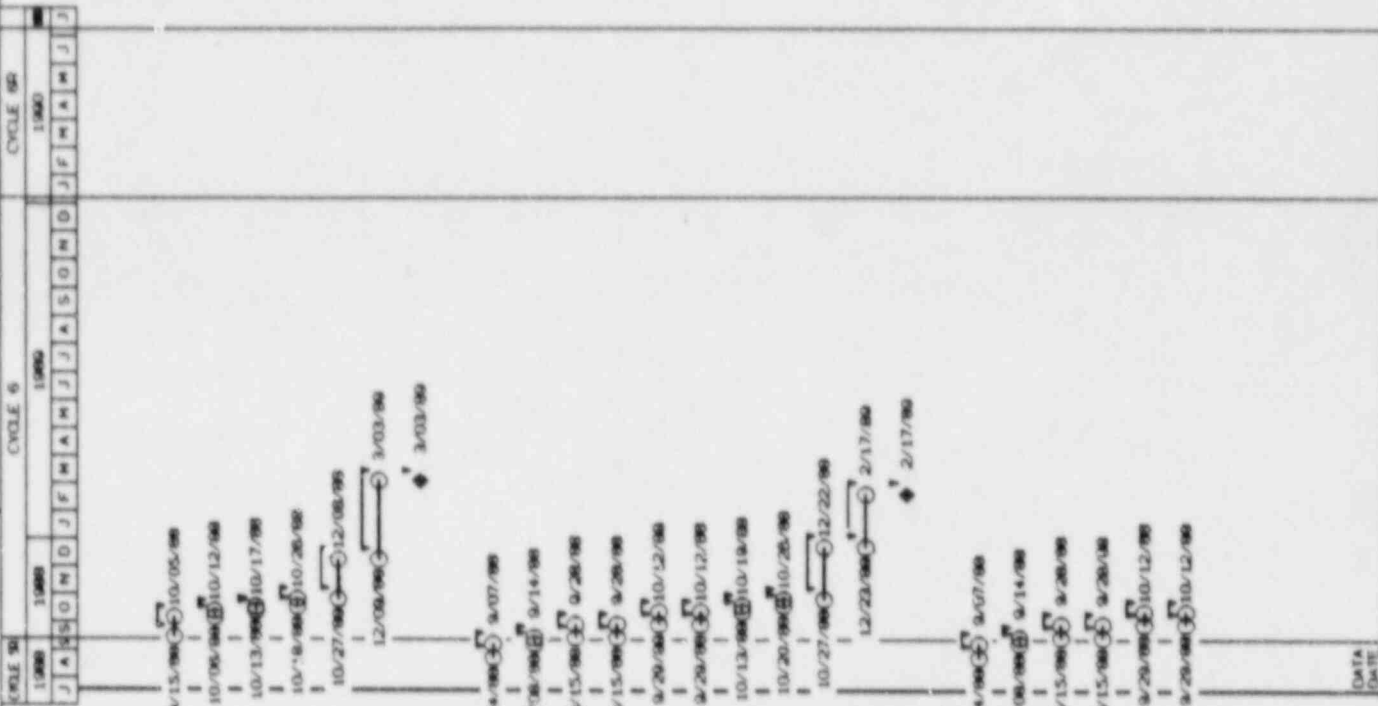
KMS-50306020 IDENTIFY AREAS REQUIRING VERIFICATION

KMS-50306030 PERFORM EVALUATION

KMS-50306035 PERFORM EVALUATION (FMO & SAFETY SUPPORT)

KMS-50306040 EVALUATE & DEVELOP JUSTIFICATIONS

KMS-50306045 EVAL & DEV JUSTIFICATIONS (FMO & SAFETY SUPPORT)



**LEGEND**

TARGET SCHEDULE

EARLY SCHEDULE

SCHEDULE BMS

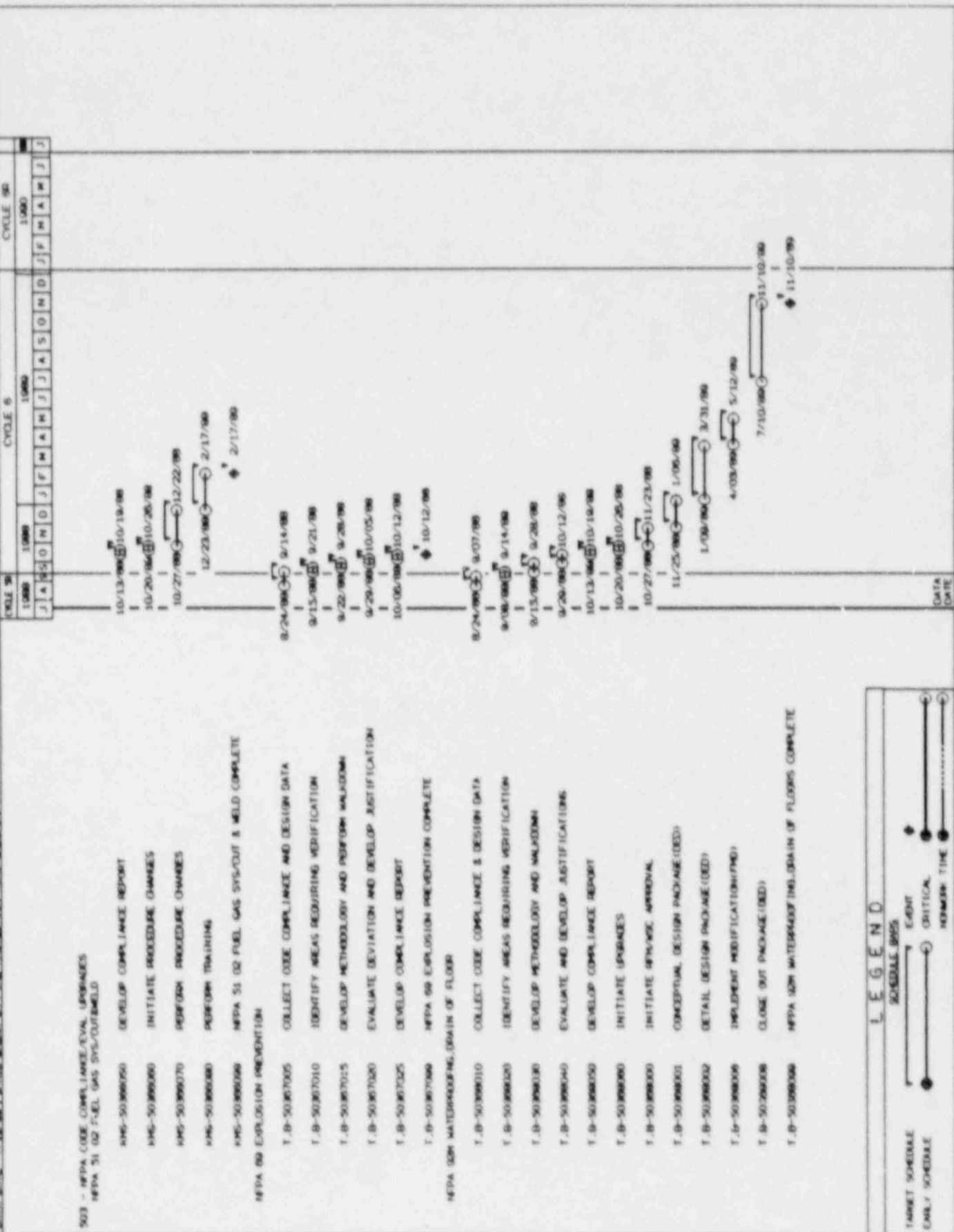
EMPH

CRITICAL

NORMAL TIME

DATA DATE

PROJECT NAMED: \*\*\*\*\*  
 FIRE PROTECTION PLAN  
 DATE: 8/20/86  
 DRAWN BY: T. A. B. S. Y. S. H. C. U. I.  
 FINISH: 1/10/87  
 DATA DATE: 7/18/88  
 TARGET SCHEDULE 10  
 100% FINISH 1/10/87  
 100% DATA DATE 7/18/88  
 MONTHS: 1  
 WEEK T/RE INTERVAL: 1  
 START: 8/20/86  
 END: 1/10/87  
 SORT: BROWNS  
 CODES: 234



DATE DATE



PROJECT NAME: FIRE PROTECTION PLAN  
 DATE: 1/10/97  
 DRAWN BY: J.S.P.

PROJECT NO: 7-10-97  
 SHEET NO: 10-20  
 SCALE: 1:1

DATE: 7/10/97  
 SHEET NO: 10-20  
 SCALE: 1:1

DATE: 7/10/97  
 SHEET NO: 10-20  
 SCALE: 1:1

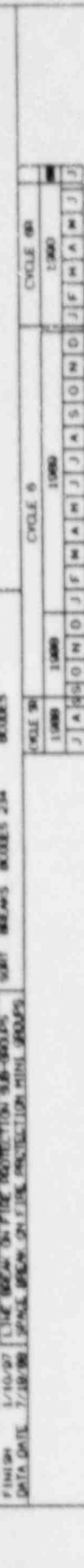
DATE: 7/10/97  
 SHEET NO: 10-20  
 SCALE: 1:1

DATE: 7/10/97  
 SHEET NO: 10-20  
 SCALE: 1:1

DATE: 7/10/97  
 SHEET NO: 10-20  
 SCALE: 1:1

DATE: 7/10/97  
 SHEET NO: 10-20  
 SCALE: 1:1

DATE: 7/10/97  
 SHEET NO: 10-20  
 SCALE: 1:1



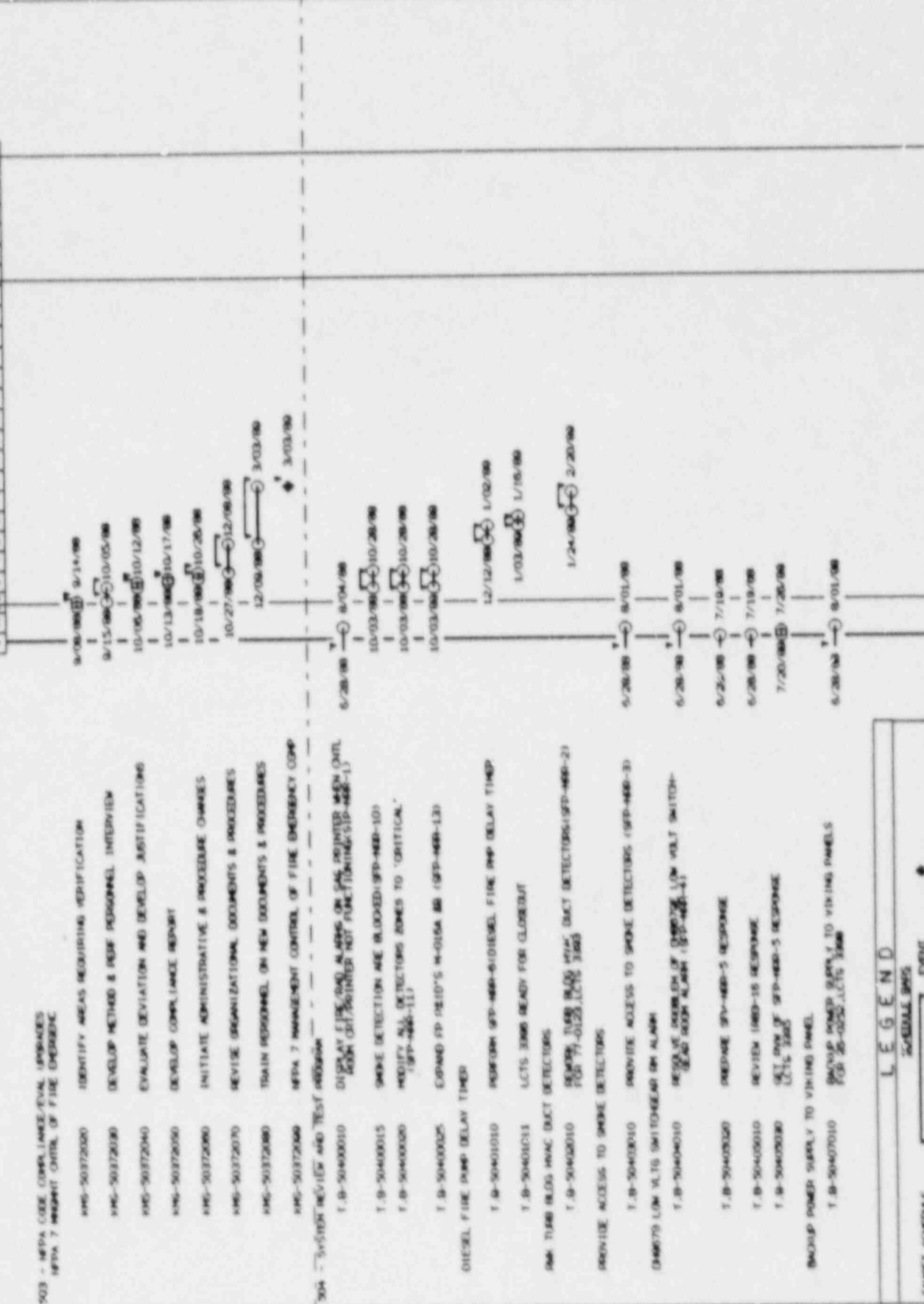
Task ID	Task Description	Start Date	End Date	Critical Path
T.B-50.000010	COLLECT CODE COMPLIANCE & DESIGN DATA	8/24/97	9/14/97	Yes
T.B-50.000020	IDENTIFY AREAS REQUIRING MODIFICATION	9/15/97	9/28/97	Yes
T.B-50.000030	DEVELOP METHODOLOGY & PERFORM CALCULATIONS	9/29/97	10/19/97	Yes
T.B-50.000040	EVALUATE DEVIATION AND DEVELOP JUSTIFICATION	10/20/97	10/26/97	Yes
T.B-50.000050	DEVELOP COMPLIANCE REPORT	10/27/97	11/02/97	Yes
T.B-50.000070	INITIATE PROCEDURE CHANGES	11/03/97	11/16/97	Yes
T.B-50.000090	INITIATE UPGRADES	11/03/97	11/08/97	Yes
T.B-50.000000	INITIATE SP/MS APPROVAL	11/10/97	12/08/97	Yes
T.B-50.000005	PERFORM PROCEDURE CHANGE PROCEDURE GROUP	11/17/97	1/13/98	Yes
T.B-50.000001	CONCEPTUAL DESIGN PACKAGE (C.D.)	12/09/97	1/20/98	Yes
T.B-50.000008	TRAIN PERSONNEL ON NEW PROCEDURES	1/15/98	4/07/98	Yes
T.B-50.000002	DETAIL DESIGN PACKAGE (D.C.)	1/23/98	4/14/98	Yes
T.B-50.000006	IMPLEMENT MODIFICATION (I.M.)	4/17/98	5/20/98	Yes
T.B-50.000009	CLOSE OUT PACKAGE (C.O.)	7/24/98	11/24/98	Yes
T.B-50.000009	MEPA 204 SPEKE & HEAT VENTING COMPLETE	8/24/98	9/07/98	Yes
MEPA 2-1 FIRE TEST/BLOGS CONTR/MATERIAL		9/08/98	9/14/98	Yes
T.B-50.071010	COLLECT CODE COMPLIANCE AND DESIGN DATA	9/15/98	9/28/98	Yes
T.B-50.071020	IDENTIFY AREAS REQUIRING VERIFICATION	9/29/98	10/12/98	Yes
T.B-50.071030	PERFORM EVALUATION	10/13/98	10/19/98	Yes
T.B-50.071040	EVALUATE & DEVELOP JUSTIFICATION	10/20/98	10/26/98	Yes
T.B-50.071050	DEVELOP COMPLIANCE REPORT	10/27/98	2/17/99	Yes
T.B-50.071060	INITIATE SPECIFICATION CHANGES	8/24/98	9/07/98	Yes
T.B-50.071060	PERFORM SPECIFICATION CHANGES (I.E.D.)	9/08/98	9/14/98	Yes
T.B-50.071060	MEPA 251 FIRE TEST/BLOGS CONTROL/MATERIAL COMPLETE	9/15/98	9/28/98	Yes
MEPA 7 MODERN CONTR. OF FIRE DETECTOR		9/29/98	10/12/98	Yes
T.B-50.072010	COLLECT CODE COMPLIANCE & ORGANIZATIONAL/SPRINK DATA	10/13/98	10/19/98	Yes





PROJECT NAMED: FIRE PROTECTION PLAN  
 SHEET: F-01  
 DATE: 7/18/88  
 BY: T.S.L.  
 CHECKED: T.S.L.  
 DATE: 1/10/87

1000 DATA DATE: 7/18/88  
 TARGET SCHEDULE TO: 1000 FINISH 1/10/87  
 1000 DATA DATE: 7/18/88



LEGEND  
 TARGET SCHEDULE: [Symbol]  
 EARLY SCHEDULE: [Symbol]  
 CRITICAL: [Symbol]  
 RESTRICTION TIME: [Symbol]



**LEGEND**

- Target Schedule: Solid line with arrowhead
- Early Schedule: Dashed line with arrowhead
- Critical Path: Line with diamond markers
- Finish: Diamond symbol

PROJECT MASTER \*\*\*\*\*  
 FIRE PROTECTION PLAN  
 SHEET NO. 1  
 DATE 1/10/97  
 FINISH 1/10/97  
 DATA DATE 7/18/98

MODE 1/BE  
 INTERSECTION  
 SPLIT BREAKS ON  
 SPLIT BREAKS CODES 234

TARGET SCHEDULE 10  
 1/10/97  
 7/18/98

WEEK 1/BE  
 MONTHS: 1  
 WEEKS: 234

SUB - PROTECTIVE UPGRADES  
 REP-30000010  
 TECH SPEC FIRE SWITCH  
 1/10/97

SPEC UPGRADE- FIRE DETECTION SALADRE  
 T.B-50700020 DETERMINE GA AND OTHER REQUIREMENTS  
 T.B-50700030 REVISE SPECIFICATION  
 T.B-50700040 SPECIFICATION APPROVALS  
 SPEC UPGRADE- SPRINKLER/WATER SPRAY  
 T.B-50700010 REVIEW SPECIFICATION  
 T.B-50700020 DETERMINE GA AND OTHER REQUIREMENTS  
 T.B-50700030 REVISE SPECIFICATION  
 T.B-50700040 SPECIFICATION APPROVALS  
 SPEC UPGRADE- STAIRWIRE AND HOSE SYS  
 T.B-50700010 REVIEW SPECIFICATION  
 T.B-50700020 DETERMINE GA AND OTHER REQUIREMENTS  
 T.B-50700030 REVISE SPECIFICATION  
 T.B-50700040 SPECIFICATION APPROVALS  
 SPEC UPGRADE- FIRE PUMPS & ACCESSION  
 T.B-50700010 REVIEW SPECIFICATION  
 T.B-50700020 DETERMINE GA AND OTHER REQUIREMENTS  
 T.B-50700030 REVISE SPECIFICATION  
 T.B-50700040 SPECIFICATION APPROVALS  
 SPEC UPGRADE- HAND PIPING  
 T.B-50700010 REVIEW SPECIFICATION  
 T.B-50700020 DETERMINE GA AND OTHER REQUIREMENTS  
 T.B-50700030 REVISE SPECIFICATION  
 T.B-50700040 SPECIFICATION APPROVALS  
 PROCEDURE UPGRADES PROJECT COMPLETE  
 REP-30000010  
 TECH SPEC FIRE SWITCH  
 1/10/97

CYCLE 5  
 1000  
 J A S O N D J F M A M J J

CYCLE 6  
 1000  
 J A S O N D J F M A M J J

CYCLE 90  
 1000  
 J A S O N D J F M A M J J

CYCLE 98  
 1000  
 J A S O N D J F M A M J J

CYCLE 99  
 1000  
 J A S O N D J F M A M J J

CYCLE 100  
 1000  
 J A S O N D J F M A M J J

CYCLE 101  
 1000  
 J A S O N D J F M A M J J

CYCLE 102  
 1000  
 J A S O N D J F M A M J J

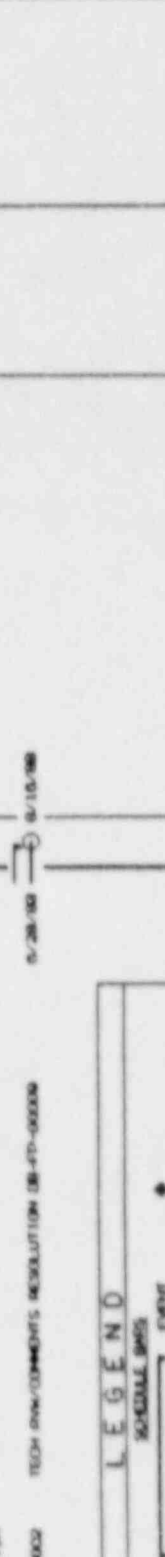
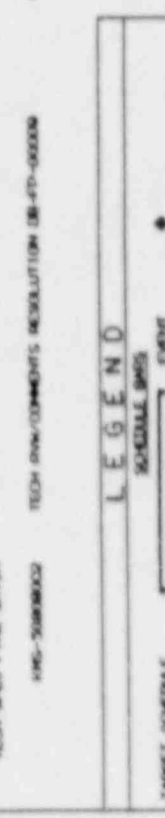
CYCLE 103  
 1000  
 J A S O N D J F M A M J J

CYCLE 104  
 1000  
 J A S O N D J F M A M J J

CYCLE 105  
 1000  
 J A S O N D J F M A M J J

CYCLE 106  
 1000  
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CYCLE 107  
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 J A S O N D J F M A M J J



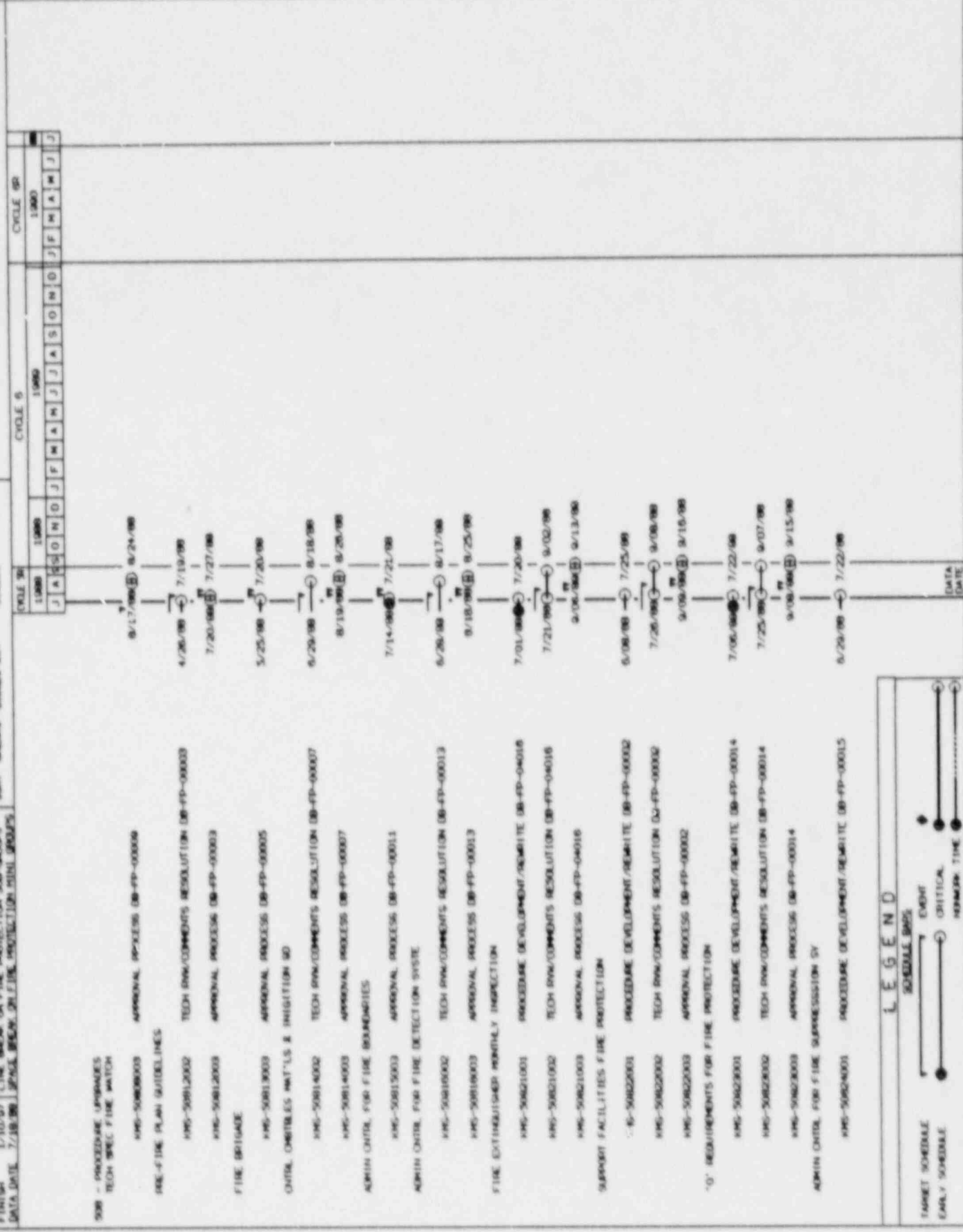
DATA DATE

7/15/97 10:26  
PROJECT/2 0003  
SCHEDULE AND CHART

PROJECT MASTER  
DATE 1/10/97  
FINISH 1/10/97  
DATA DATE 7/18/97

MAKE TIME  
START DATE 7/18/97  
END DATE 7/18/97  
JOB BEGINS 0000000000

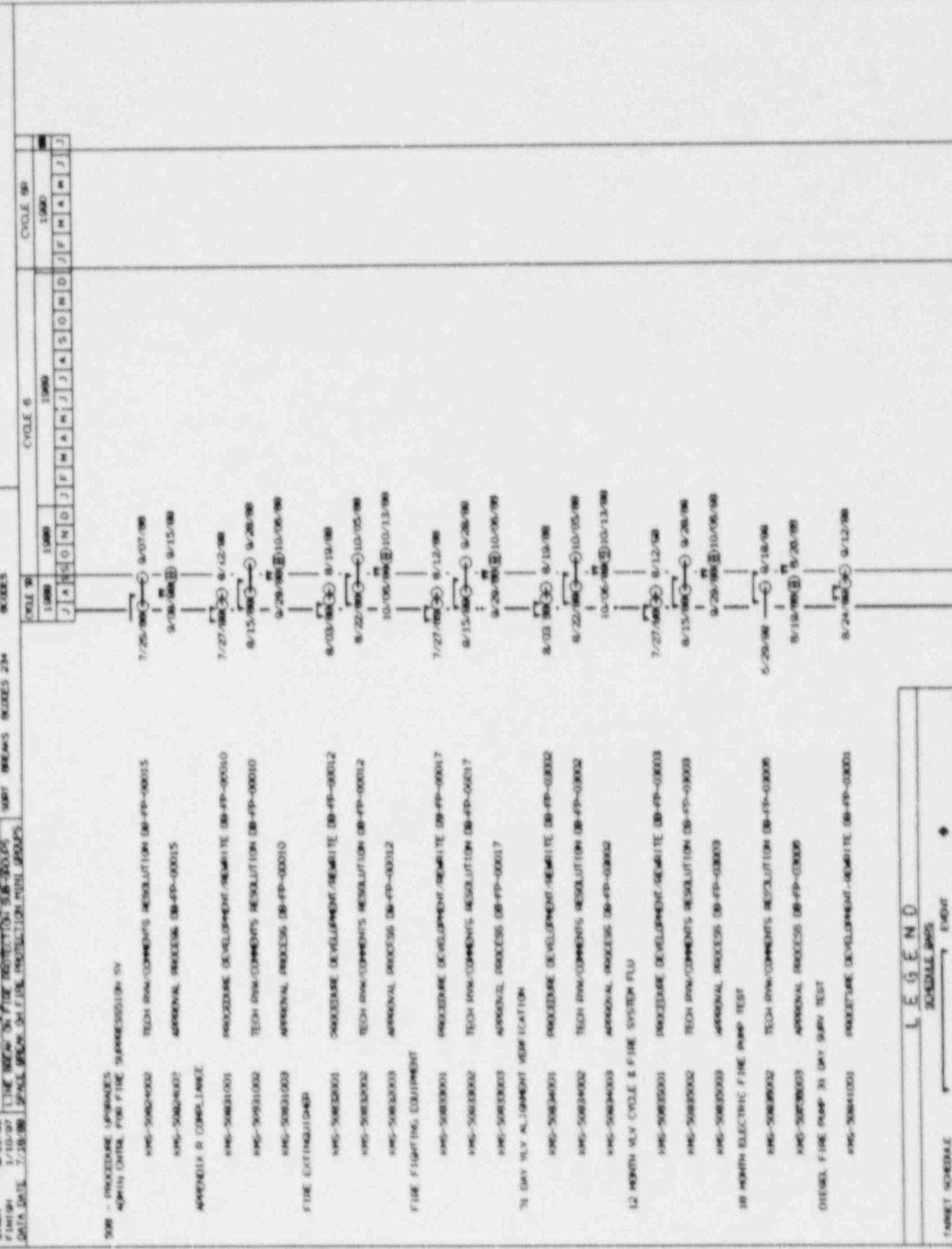
\*\*\*\*\*  
FIRE PROTECTION PLAN  
\*\*\*\*\*  
1 2 3 4 5 6 7 8 9 10 11 12  
[THE WORK ON FIRE PROTECTION SUB-GROUPS  
WAS DONE IN 24 1/2 HOURS]



\*\*\*\*\*  
FIRE PROTECTION PLAN  
\*\*\*\*\*  
1 2 3 4 5 6 7 8 9 10 11 12  
[THE WORK ON FIRE PROTECTION SUB-GROUPS  
WAS DONE IN 24 1/2 HOURS]

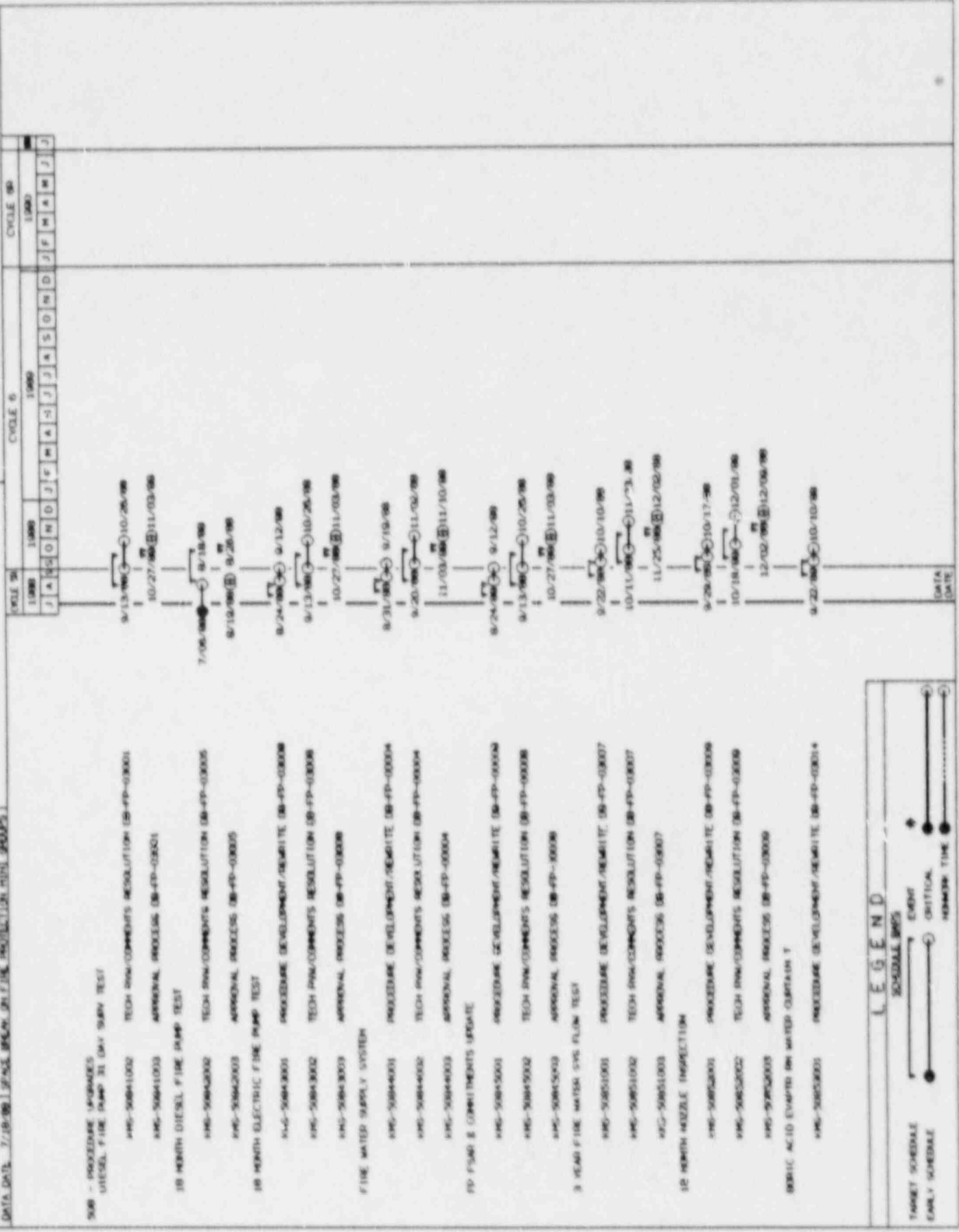
LEGEND  
FIRE SCHEDULE  
EARLY SCHEDULE  
CRITICAL  
FINISH TIME

PROJECT NAME: FIRE PROTECTION PLAN  
 DATE: 7/10/97  
 DRAWING NO: 7/10/97  
 SHEET NO: 10 OF 10  
 TARGET SCHEDULE TO: 7/10/97  
 TASK FINISH: 7/10/97  
 TYPE DATA DATE: 7/10/97



DATE: 7/10/97  
 SHEET NO: 10 OF 10  
 SCHEDULE DB-PP-0001

**PROJECT FACTS**  
 NO. OF CYCLES: 10  
 START DATE: 1/10/97  
 FINISH DATE: 7/18/99  
 SCHEDULE DATE: 7/18/99  
 SCHEDULE DATE: 7/18/99  
 SCHEDULE DATE: 7/18/99



- SUB - PROCEDURE UPGRADES
  - WKS-50041002 TECH RW-COMMENTS RESOLUTION (S-FP-00001)
  - WKS-50041003 APPROVAL PROCESS (S-FP-00001)
- 10 MONTH DIESEL FIRE PUMP TEST
  - WKS-50042002 TECH RW-COMMENTS RESOLUTION (S-FP-00005)
  - WKS-50042003 APPROVAL PROCESS (S-FP-00005)
- 10 MONTH ELECTRIC FIRE PUMP TEST
  - WKS-50043001 PROCEDURE DEVELOPMENT/REWRITE (S-FP-00008)
  - WKS-50043002 TECH RW-COMMENTS RESOLUTION (S-FP-00008)
  - WKS-50043003 APPROVAL PROCESS (S-FP-00008)
- FIRE WATER SUPPLY SYSTEM
  - WKS-50044001 PROCEDURE DEVELOPMENT/REWRITE (S-FP-00004)
  - WKS-50044002 TECH RW-COMMENTS RESOLUTION (S-FP-00004)
  - WKS-50044003 APPROVAL PROCESS (S-FP-00004)
- FD F540 & COMMENTS UPDATE
  - WKS-50045001 PROCEDURE DEVELOPMENT/REWRITE (S-FP-00004)
  - WKS-50045002 TECH RW-COMMENTS RESOLUTION (S-FP-00004)
  - WKS-50045003 APPROVAL PROCESS (S-FP-00004)
- 3 HEAD FIRE WATER SYS FLOW TEST
  - WKS-50051001 PROCEDURE DEVELOPMENT/REWRITE (S-FP-00007)
  - WKS-50051002 TECH RW-COMMENTS RESOLUTION (S-FP-00007)
  - WKS-50051003 APPROVAL PROCESS (S-FP-00007)
- 10 MONTH NOZZLE INSPECTION
  - WKS-50052001 PROCEDURE DEVELOPMENT/REWRITE (S-FP-00008)
  - WKS-50052002 TECH RW-COMMENTS RESOLUTION (S-FP-00008)
  - WKS-50052003 APPROVAL PROCESS (S-FP-00008)
- BORIC ACID EVAPTOR RW WATER CIRCULATION T
  - WKS-50053001 PROCEDURE DEVELOPMENT/REWRITE (S-FP-00014)

PROJECT NAMED  
WATER TREATMENT PLANT  
SCHEDULE

FILE DESCRIPTION  
WATER TREATMENT PLANT  
SCHEDULE

DATE  
1/10/97  
1/10/97

PRJ. NO.  
100-000000-0000

MAKE TIME  
0

TARGET SCHEDULE TO  
1/10/97  
1/10/97

1/10/97  
1/10/97

CYCLE 0  
1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000

DATE  
1/10/97

SUB - PROCEDURE UPGRADES  
BIBLIC ACID EVAPOR IN WATER CURTAIN T

- KWS-50R50002 TECH REV-COMMENTS RESOLUTION DB-PP-00014
- KWS-50R50003 APPROVAL PROCESS DB-PP-00014

NO 1-1 DAY TANK MET PIPE SPINDLER T

- KWS-50R50001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-00019
- KWS-50R50002 TECH REV-COMMENTS RESOLUTION DB-PP-00019
- KWS-50R50003 APPROVAL PROCESS DB-PP-00019

DB 1-21 GABT PNE-ACTION SPINDLER TEST

- KWS-50R50001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-00020
- KWS-50R50002 TECH REV-COMMENTS RESOLUTION DB-PP-00020
- KWS-50R50003 APPROVAL PROCESS DB-PP-00020

SEPIOUS STATION FINE

- KWS-50R50001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-12003.02
- KWS-50R50002 TECH REV-COMMENTS RESOLUTION DB-PP-12003.02
- KWS-50R50003 APPROVAL PROCESS DB-PP-12003.02

FP SYSTEM OPERATION PROCEDURES

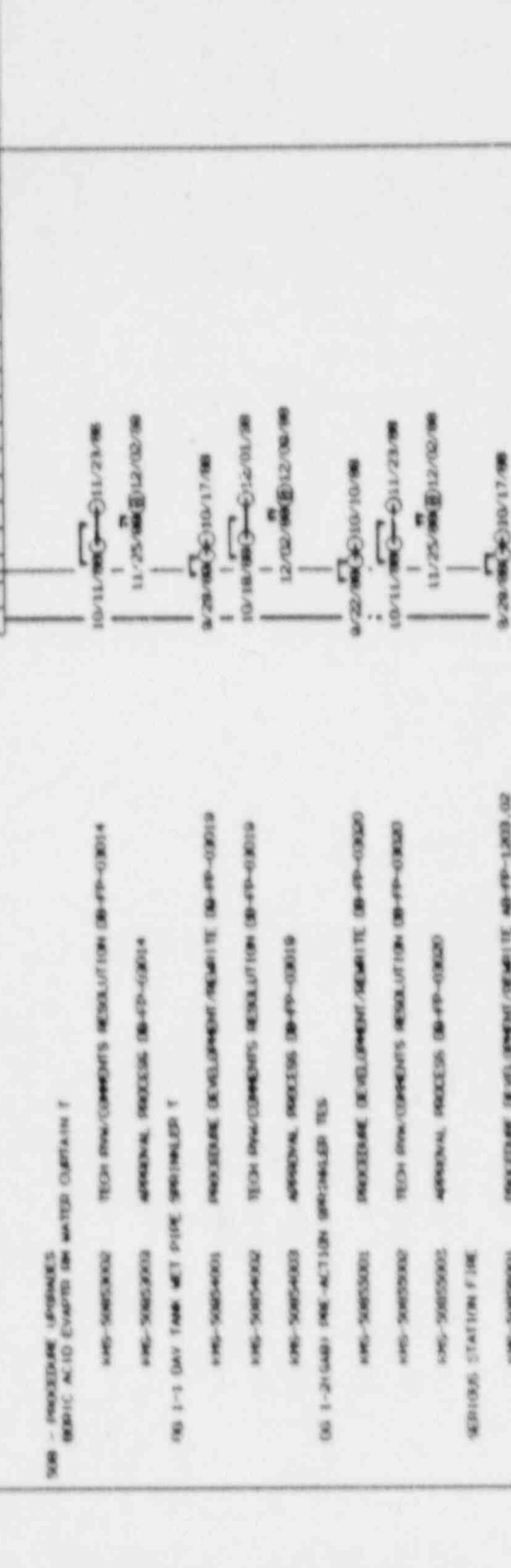
- KWS-50R61001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-00001
- KWS-50R61002 TECH REV-COMMENTS RESOLUTION DB-PP-00001
- KWS-50R61003 APPROVAL PROCESS DB-PP-00001

FP SYSTEM OPERATION PROCEDURES

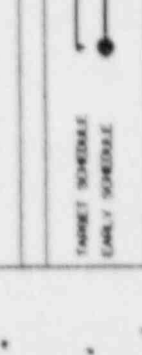
- KWS-50R62001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-00003
- KWS-50R62002 TECH REV-COMMENTS RESOLUTION DB-PP-00003
- KWS-50R62003 APPROVAL PROCESS DB-PP-00003

SUPPORT FACILITIES FINE WATER SUPPLY

- KWS-50R63001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-04003
- KWS-50R63002 TECH REV-COMMENTS RESOLUTION DB-PP-04003
- KWS-50R63003 APPROVAL PROCESS DB-PP-04003



LEGEND





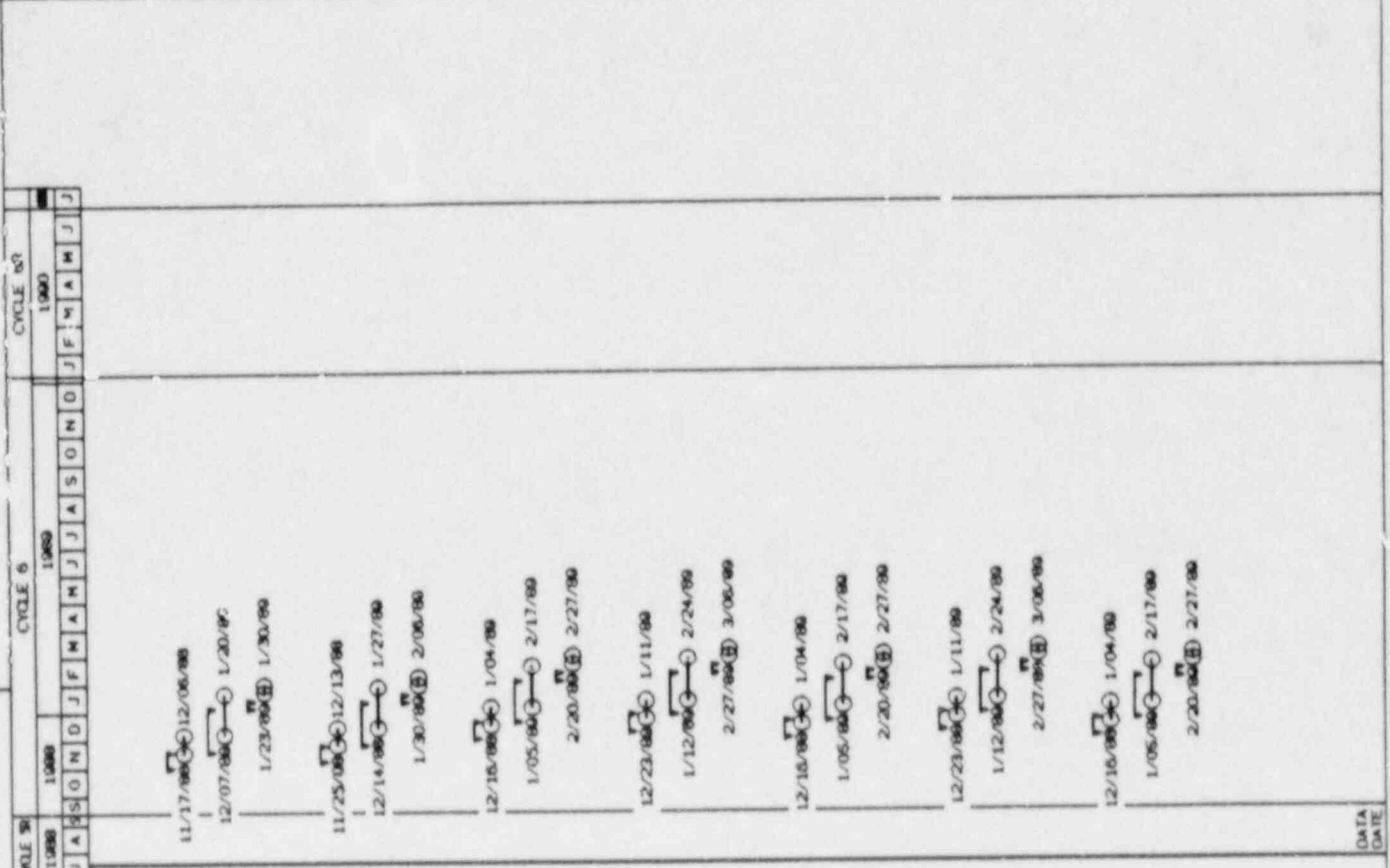


PROJECT MASTER  
 NAME: 070718  
 START: 1/10/87  
 FINISH: 7/18/88  
 DATA DATE: 7/18/88

MODE: F/RE  
 (INDICATED)  
 SCHEDULE BREAK ON  
 SORT BREAKS: 000005 234

MARKET SCHEDULE TO  
 1986 FINISH  
 1986 DATA DATE: 7/18/88

RUN: 7/18/88 10.30  
 PROJECT: 070718  
 SCHEDULE BAR CHART



MO	TU	WE	TH	FR	SA	SU	CYCLE NO
J	A	S	O	N	D	J	1986
J	A	S	O	N	D	J	1987
J	A	S	O	N	D	J	1988

1986 - PROCEDURE UPDATES  
 AUTO SPRINKLER VLV ACTUATION

- KWS-50875001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-04008
- KWS-50875002 TECH Rvw/COMMENTS RESOLUTION DB-PP-04008
- KWS-50875003 APPROVAL PROCESS DB-PP-04008

NUTLE BLOCKAGE INSPECTION

- KWS-50875001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-04008
- KWS-50875002 TECH Rvw/COMMENTS RESOLUTION DB-PP-04008
- KWS-50875003 APPROVAL PROCESS DB-PP-04008

FIRE HOSE GAGGET INSPECT & REPAIRING

- KWS-50881001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-04011
- KWS-50881002 TECH Rvw/COMMENTS RESOLUTION DB-PP-04011
- KWS-50881003 APPROVAL PROCESS DB-PP-04011

FIRE HOSE STATION VLV OPERABILITY

- KWS-50882001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-04012
- KWS-50882002 TECH Rvw/COMMENTS RESOLUTION DB-PP-04012
- KWS-50882003 APPROVAL PROCESS DB-PP-04012

FIRE EXTINGUISHER MAINT & HYDRO TEST

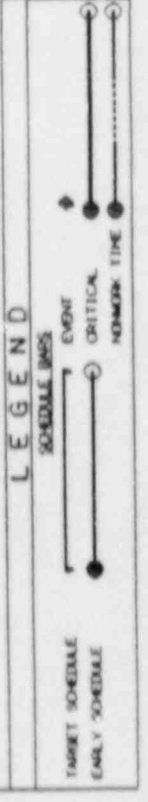
- KWS-50883001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-04017
- KWS-50883002 TECH Rvw/COMMENTS RESOLUTION DB-PP-04017
- KWS-50883003 APPROVAL PROCESS DB-PP-04017

NON-RCA MET PIPE SPRINKLER TEST

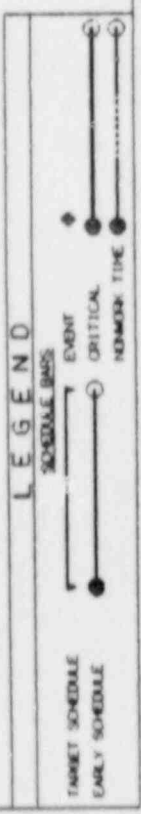
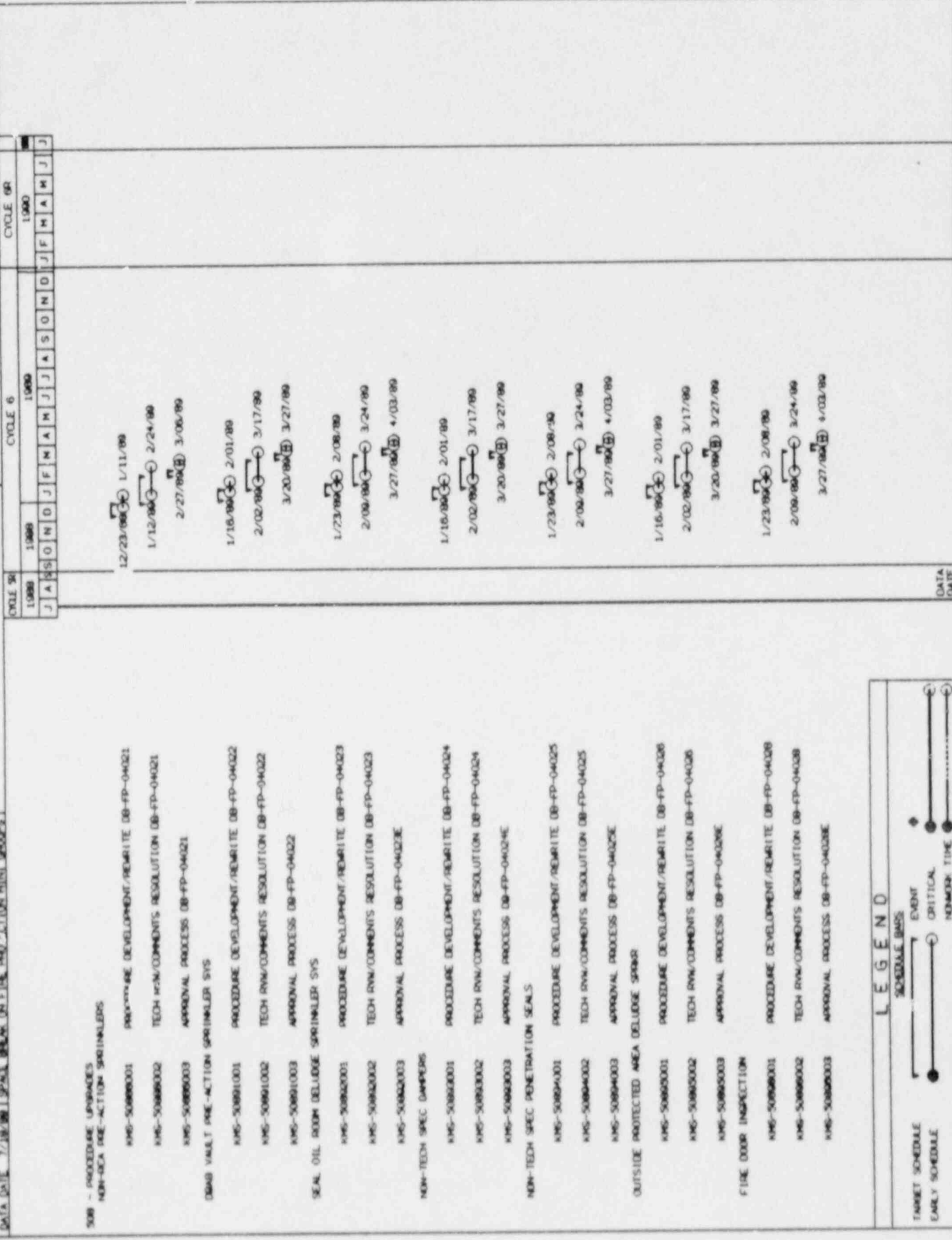
- KWS-50884001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-04019
- KWS-50884002 TECH Rvw/COMMENTS RESOLUTION DB-PP-04019
- KWS-50884003 APPROVAL PROCESS DB-PP-04019

OUTSIDE PROTECTED AREA MET PIP SPRINK

- KWS-50885001 PROCEDURE DEVELOPMENT/REWRITE DB-PP-04020
- KWS-50885002 TECH Rvw/COMMENTS RESOLUTION DB-PP-04020
- KWS-50885003 APPROVAL PROCESS DB-PP-04020



**PROJECT NAME:** FIRE PROTECTION PLAN  
**MODE I/R INTERVAL:** MONTHS  
**START DATE:** 7/18/88  
**FINISH DATE:** 7/18/88  
**DATA DATE:** 8/00/88  
**PROJECT NO:** 10  
**TASK FINISH DATE:** 7/18/88  
**PROJECT/2 ROOMS:** SCHEDULE BAR CHART



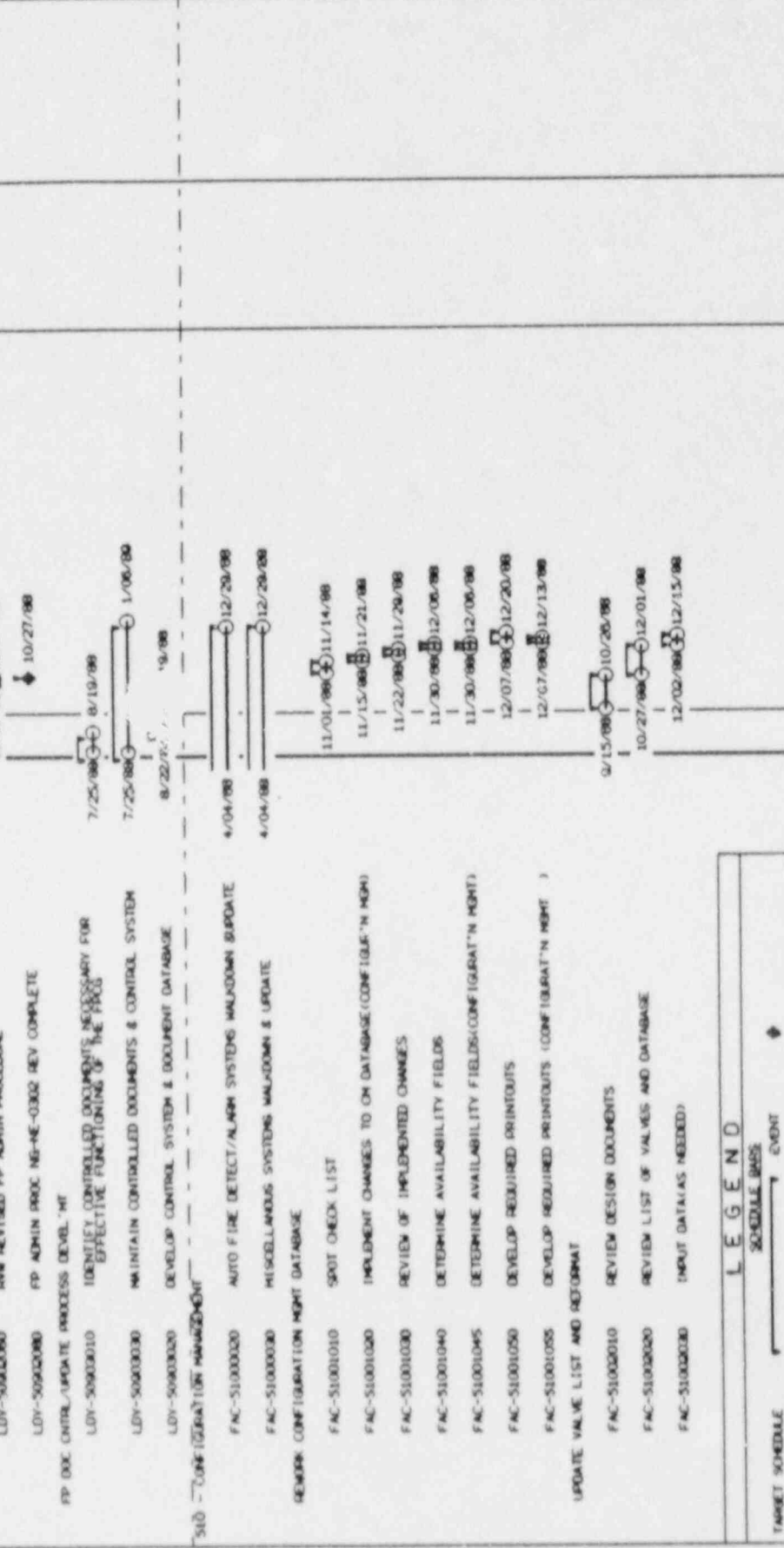
PROJECT MASTER  
 F1RE PROTECTION PROGRAM ENHANCEMENT  
 F1RE PROTECTION PROGRAM CHARTER DOC

\*\*\*\*\*  
 F1RE PROTECTION PLAN  
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
 LINE BREAK ON FIRE PROTECTION SUB-GROUPS  
 SPACE BREAK ON FIRE PROTECTION MINI-GROUPS

MODE I, O/E  
 INTERVAL (MONTHS)  
 SORT BREAKS BY CODES 234

TARGET SCHEDULE TO  
 TASK FINISH 1/10/97  
 TASK DATA DATE 7/18/96

BOOBS  
 CYCLE 50  
 1998 1999 2000  
 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



LEGEND

TARGET SCHEDULE

EARLY SCHEDULE

SCHEDULE BASIS

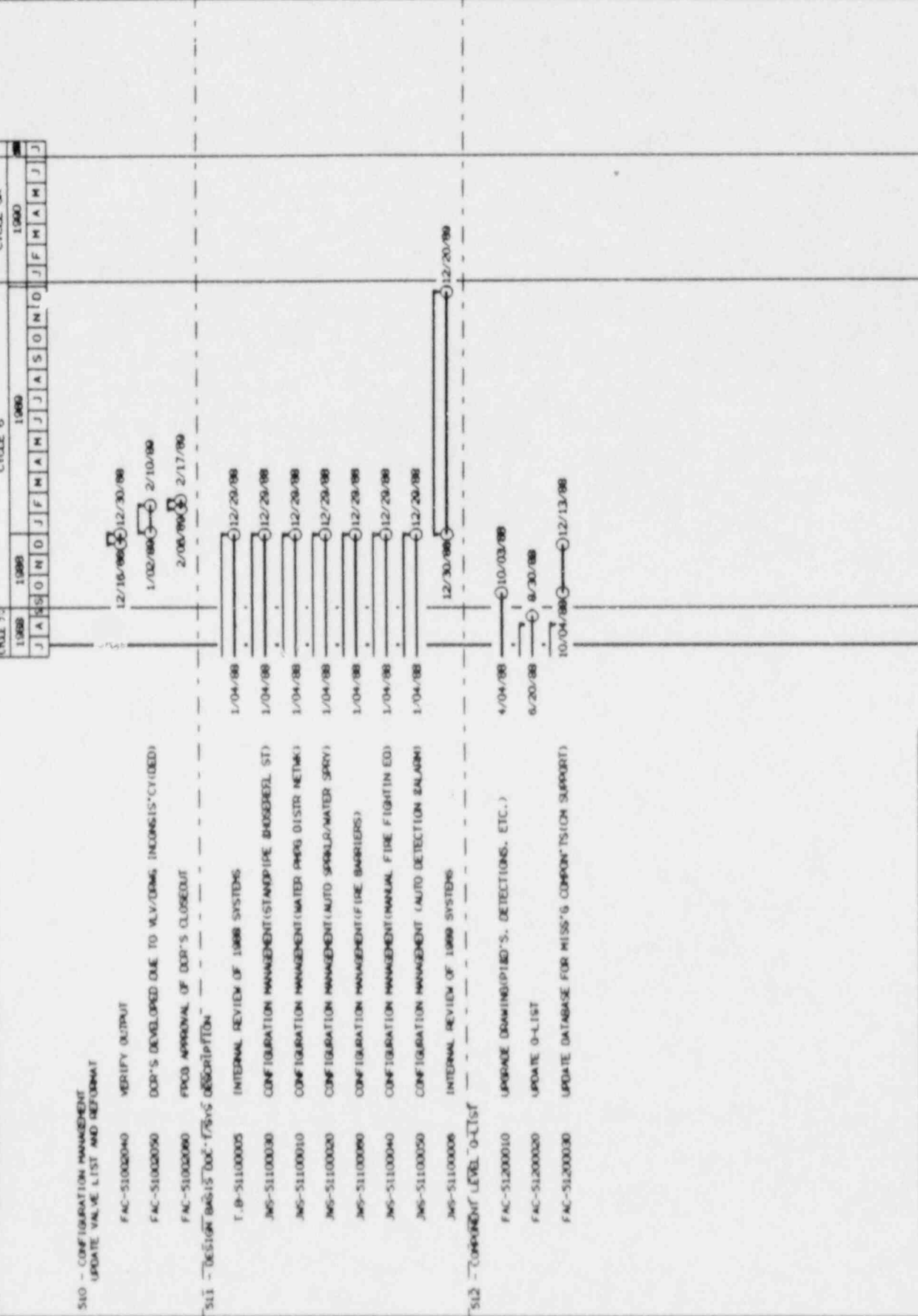
EVENT

CRITICAL

NORMAL TIME

DATE

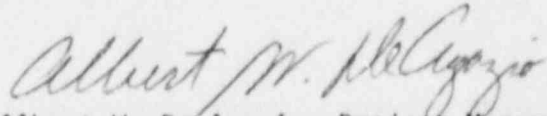
SUBJECT MATTER: FIRE PROTECTION PLAN  
 ST: DET0104  
 START DATE: 7/10/87  
 FINISH DATE: 7/18/88  
 DATA DATE: 7/18/88  
 TARGET SCHEDULE TO: 10/07/88  
 TASK FINISH DATE: 7/18/88  
 SCHEDULE BAR CHART: 10/07/88



1988 1989 1990  
 J A S O N D J F M A M J J  
 12/16/88 12/30/88  
 1/02/89 2/10/89  
 2/06/89 2/17/89  
 12/30/88 10/03/88  
 6/20/88 8/30/88  
 10/04/88 12/13/88  
 DATA DATE

the control room is a deviation from staff guidance contained in the June 1977 "Nuclear Plant Fire Protection Functional Responsibilities, Administrative Control and Quality Assurance."

This issue will be the subject of future discussions between the licensee and the staff.



Albert W. De Agazio, Project Manager  
Project Directorate III-3  
Division of Reactor Projects - III,  
IV, V and Special Projects

cc: See next page