GE Nuclear Energy

General Electric Company
175 Curtner Avenue, San Jose, CA 95125

January 7, 1993

MFN No. 002-93
Docket No. STN 52-001
SLK-9302

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

Attention: Robert C. Pierson, Director
Associate Director for Advanced Reactors and License Renewal

Subject: **Submittal of Amendment 24, Non-Proprietary 11x17 Foldout Drawings, to GE's ABWR SSAR**

Reference: Submittal of Amendment 24, Proprietary 11x17 Foldout Drawings to GE's ABWR SSAR, MFN No.003-93, dated January 7, 1993

Enclosed are thirty-four (34) copies of selected sections of Chapter 6, *Engineered Safety Features* of the Standard Safety Analysis Report (SSAR) for the Advanced Boiling Water Reactor (ABWR).

Two pages are being added to Figure 6.5-1, Standby Gas Treatment System P&ID, drawings. Also included is a copy of the Page Change Instruction.

Sincerely,

D. J. Robare, Acting Manager
Safety & Licensing
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cc:

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D050
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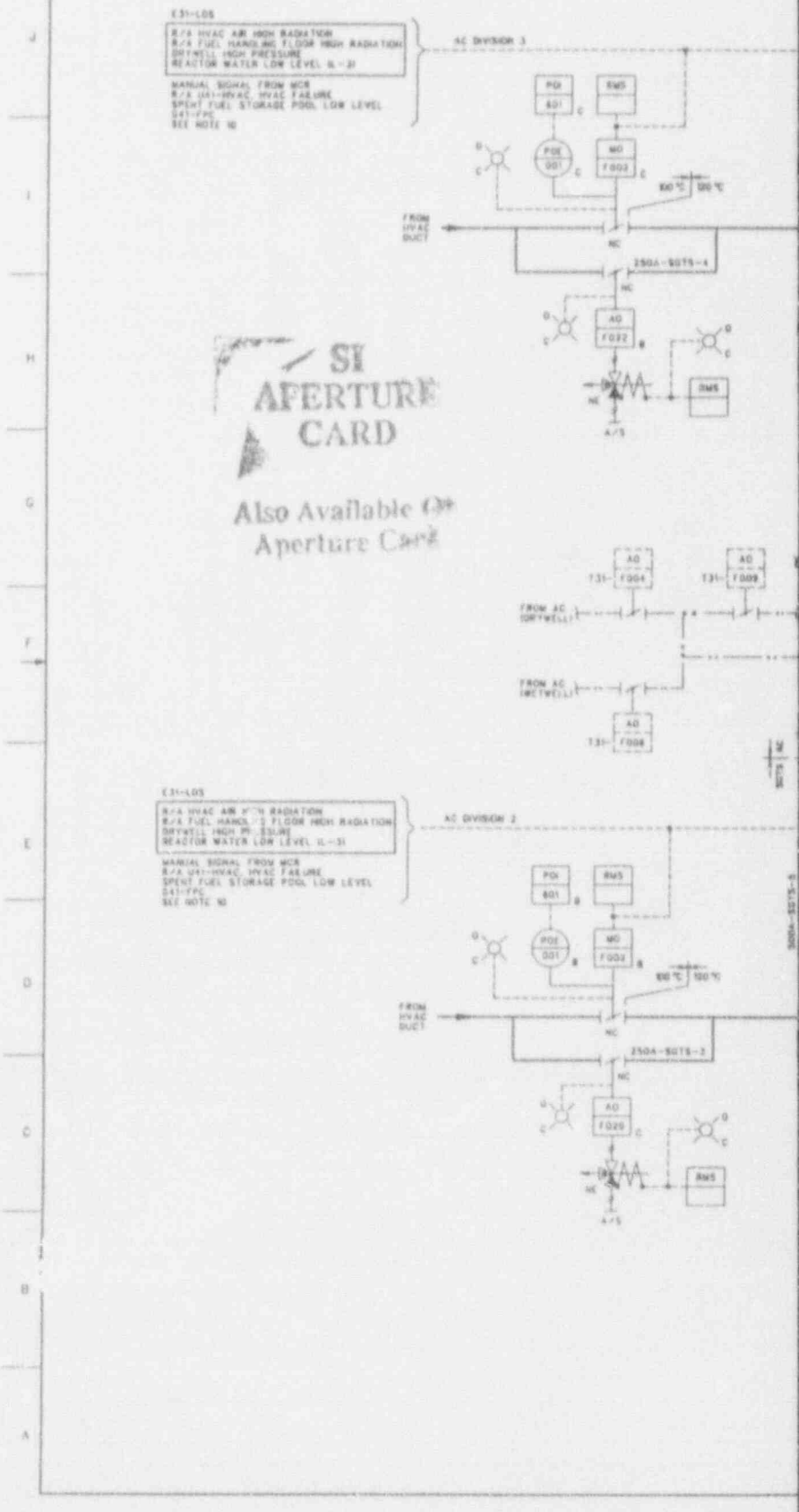
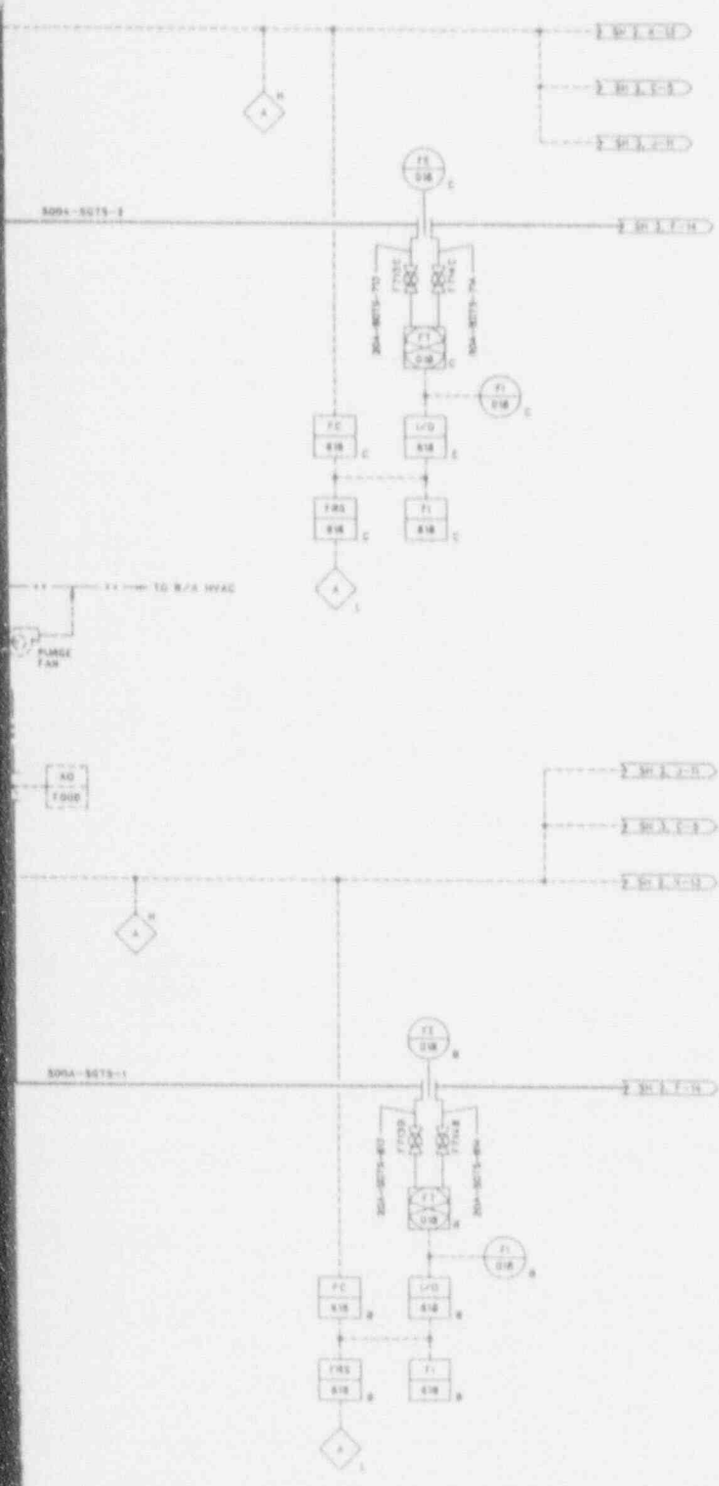
ABWR SSAR

Amendment 24 - Page Change Instruction (Non-Proprietary)

The following pages (11X17 fold out drawings) have been changed. Please make the specified changes in your SSAR. Pages are listed as page pairs (front & back). Bold page numbers represent a page that has been changed in Amendment 24.

REMOVE PAGE No.	ADD PAGE No.	REMOVE PAGE No.	ADD PAGE No.
Chapter 6			
6.5-13	6.5-13, 13.1		
Add	6.5-13.2		





NOTES:

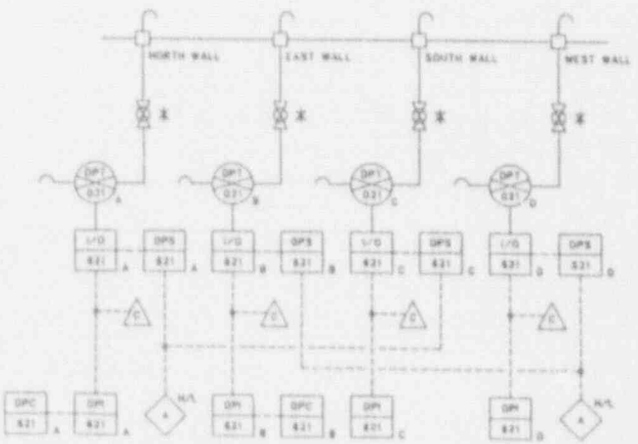
1. QUALITY CLASS, DESIGN CLASS AND SEISMIC CLASS AS FOLLOWS:

	QUALITY CLASS	DESIGN CLASS	SEISMIC CLASS
SGTS EXCEPT FOR FOLLOWING	C	4	B
PIPING AND TRAIN	B	5	B
DRAIN LINE FROM DRAIN VALVE	D	7	B

2. PIPING DESIGN SPECIFICATION SHALL BE AS FOLLOWS EXCEPT AS NOTED.
   MATERIAL: GALVANIZED STEEL
   SCHEDULE 80A AND LESS ~ SCH 40
   GREATER THAN 80A ~ SCH 30
   FLUID : AIR 40.11 kg/cm²g, 120°C
3. FREON IRN INJECTION POINT IS LOCATED UPSTREAM OF CHARCOAL ADSORBER.
4. SAMPLE CANISTERS ARE PROVIDED FOR MONITORING CHARCOAL ADSORBER CONDITION.
5. CHARCOAL ADSORBER TEMPERATURE SHOULD BE MONITORED CONTINUOUSLY.
6. SPACE HEATERS ARE OPERATED DURING SGTS STANDBY MODE TO PREVENT CHARCOAL ADSORBER REACHING THE DEW POINT.
7. FILTER IS HEXANESHI IS PROVIDED TO REMOVE FOREIGN OBJECTS.
8. FLOW ELEMENT IS ANNUBAR-TYPE.
9. STOP VALVES SHALL NOT BE FLANGE TYPE.
10. MANUAL INITIATION OF SGTS AND ISOLATION OF HVAC OCCURS WHEN SPENT FUEL STORAGE POOL LOW LEVEL ALARMS.
11. COOLING FANS AND SPACE HEATERS OF THE FILTER TRAIN DOGIC SHOULD BE CONNECTED TO THE DIVISION POWER OF THE FILTER TRAIN DOORS AND VICE VERSA.
12. FIRE HOSE CONNECTION.

REFERENCE DOCUMENTS:

	MPL NO.
1. ATMOSPHERIC CONTROL SYS P&ID	T31-1010
2. MAKEUP WATER SYSTEM (PURIFIED) P&ID	P11-1010
3. PROCESS RAD MONITOR SYS IBD	D11-1030
4. PIPING AND INSTRUMENT SYMBOLS DIAGRAM	A10-7530
5. FUEL POOL COOLING & CLEANUP SYS P&ID	G41-1010
6. LEAK DETECTION & ISOLATION SYS IED	E31-1040
7. HEATING, VENTILATING AND AIR CONDITIONING SYS P&ID	U41-1010



R/B NEGATIVE PRESSURE INDICATION

MPL NO. T23-1040

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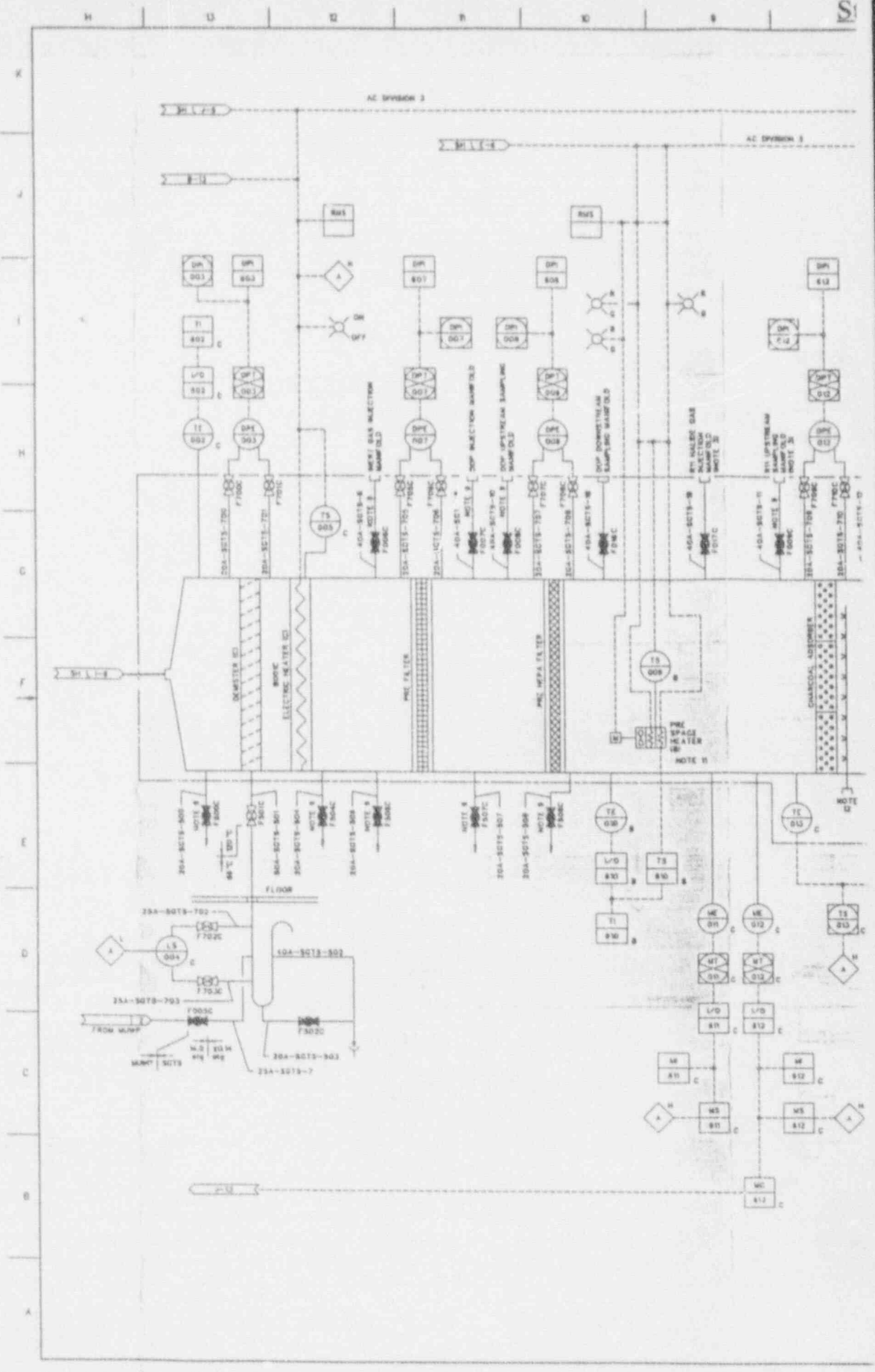
Figure 6.5-1 STANDBY GAS TREATMENT SYSTEM P&ID (Sheet 1 of 3)


AC DIVISION 3
AC DIVISION 3
DOWNSTREAM SAMPLING MANIFOLD
PRE SPACE HEATER (8)
NOTE 11
FLOOR
FROM MUMP

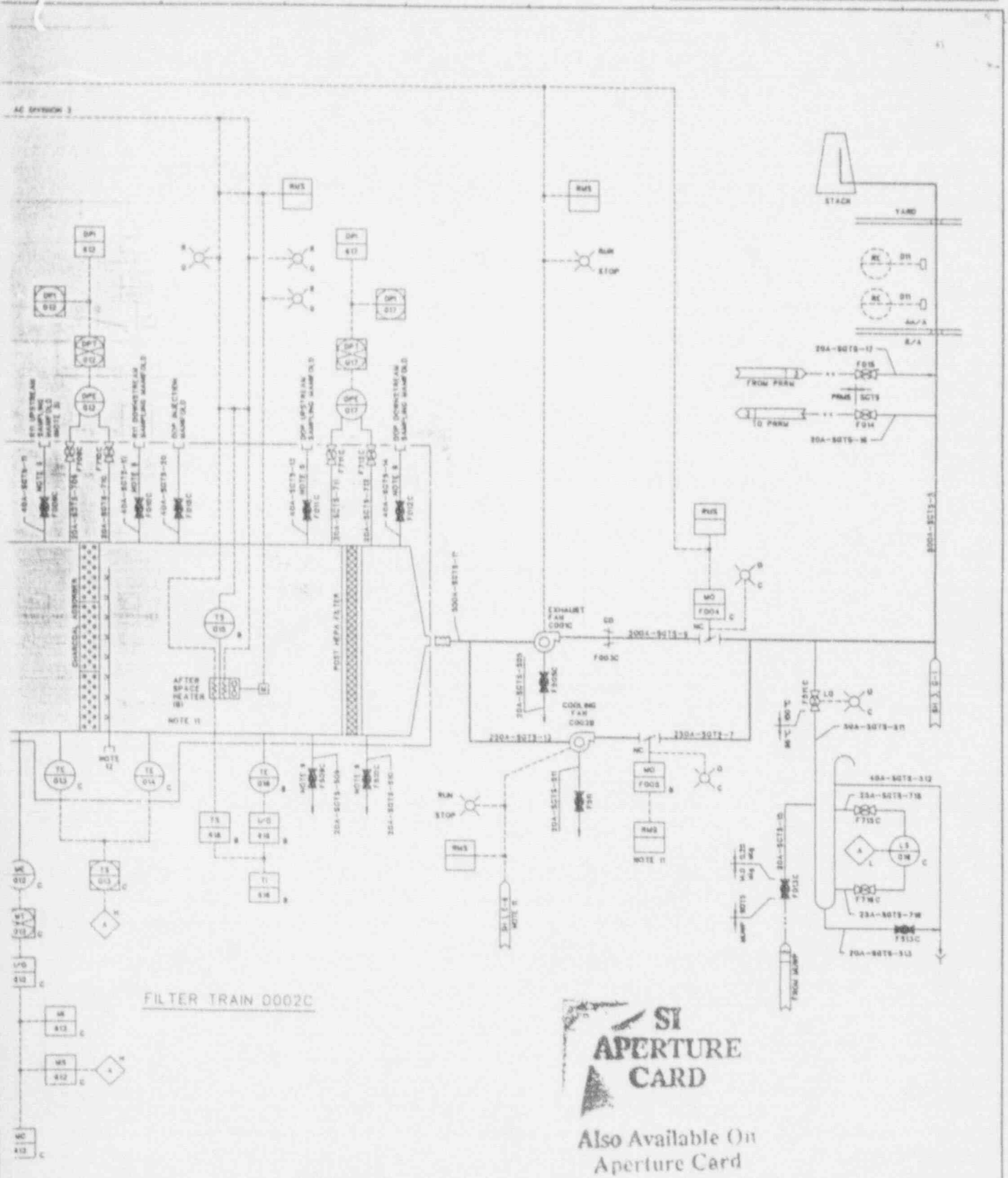


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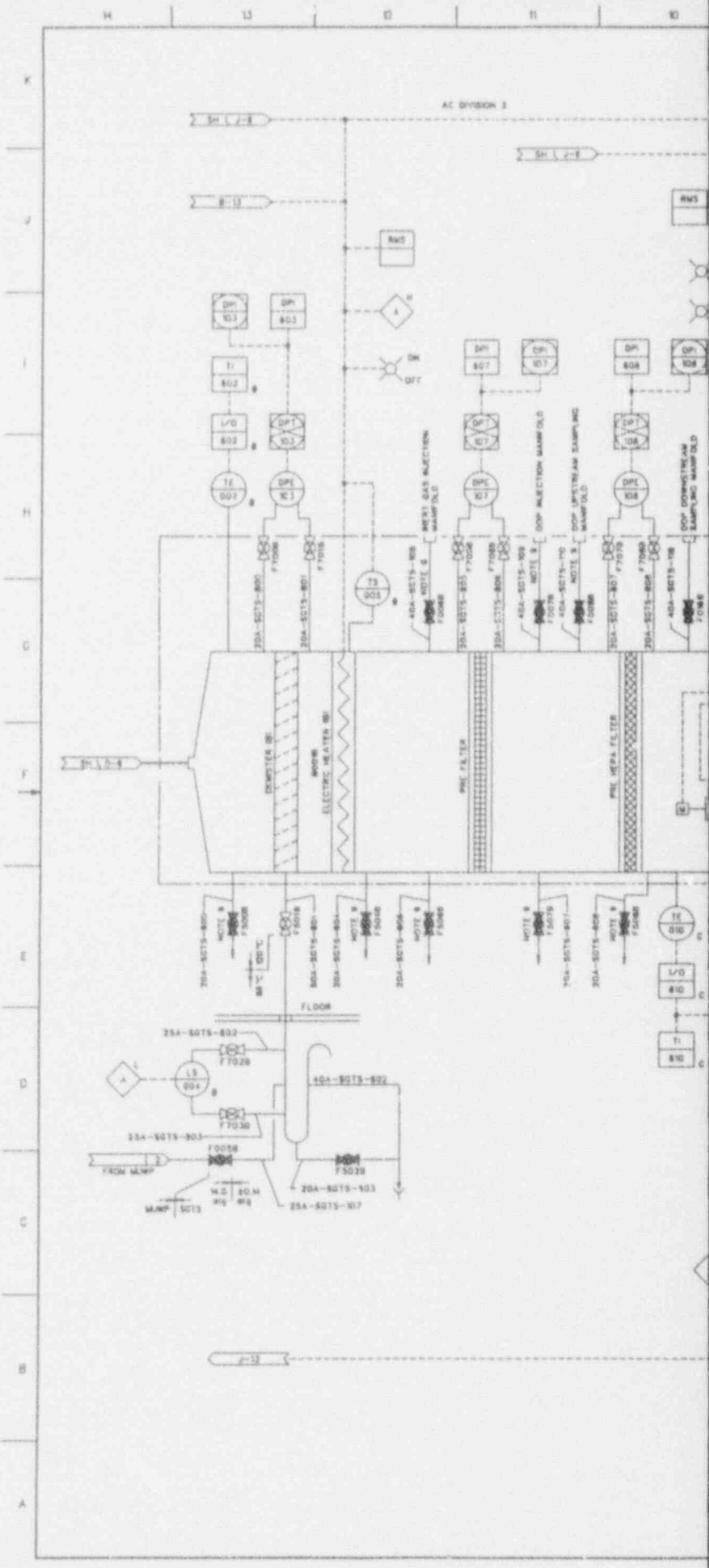
Figure 6.5-1 STANDBY GAS TREATMENT SYSTEM P&ID (Sheet 2 of 3)


AC DIVISION 2
DEMISTER (E)
ELECTRIC HEATER (E)
PRE FILTER
FINAL HEPA FILTER
FLOOR
FROM MUWP
MUWP SGTS

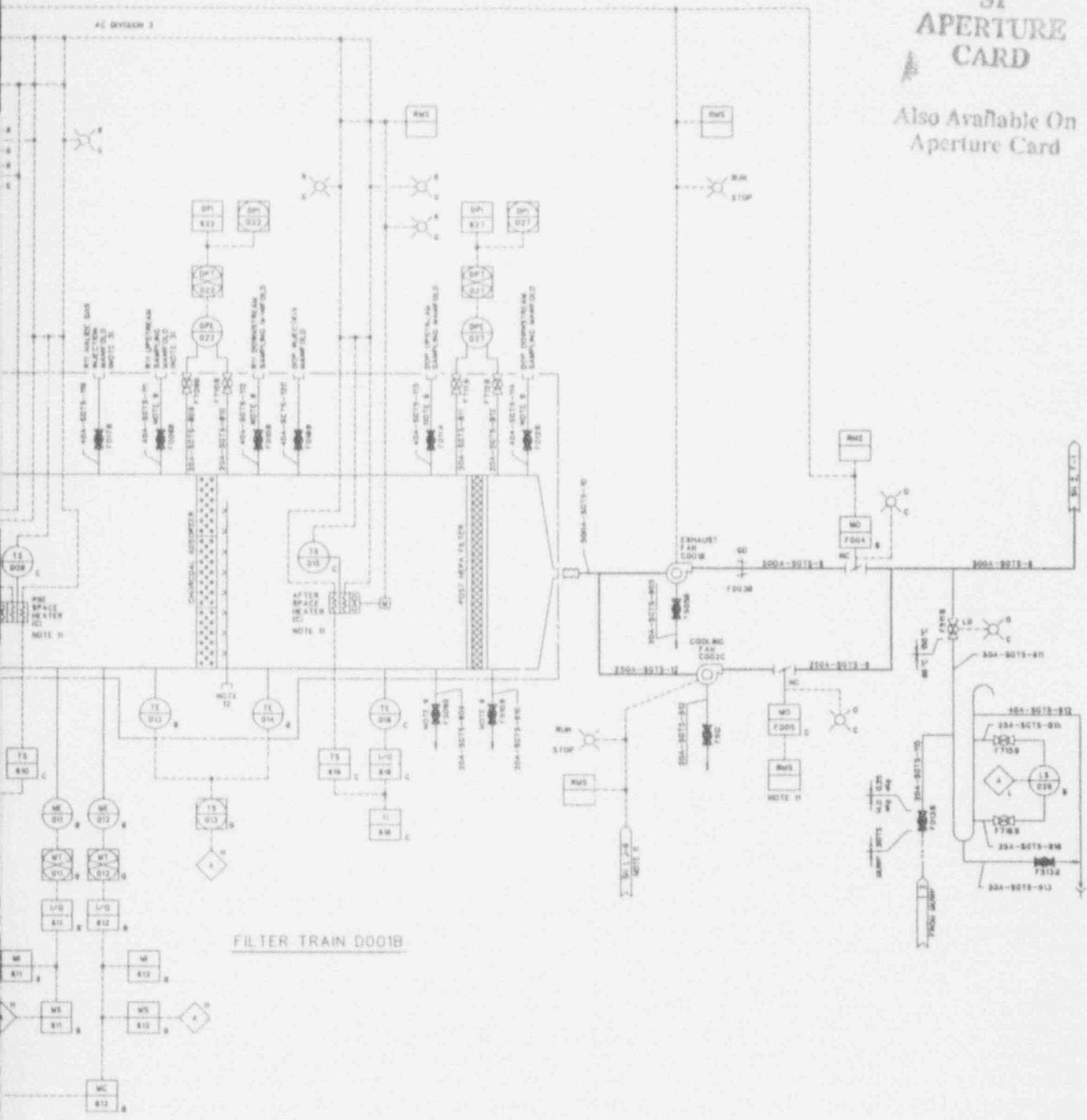


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Figure 6.5-1 STANDBY GAS TREATMENT SYSTEM P&ID (Sheet 3 of 3)