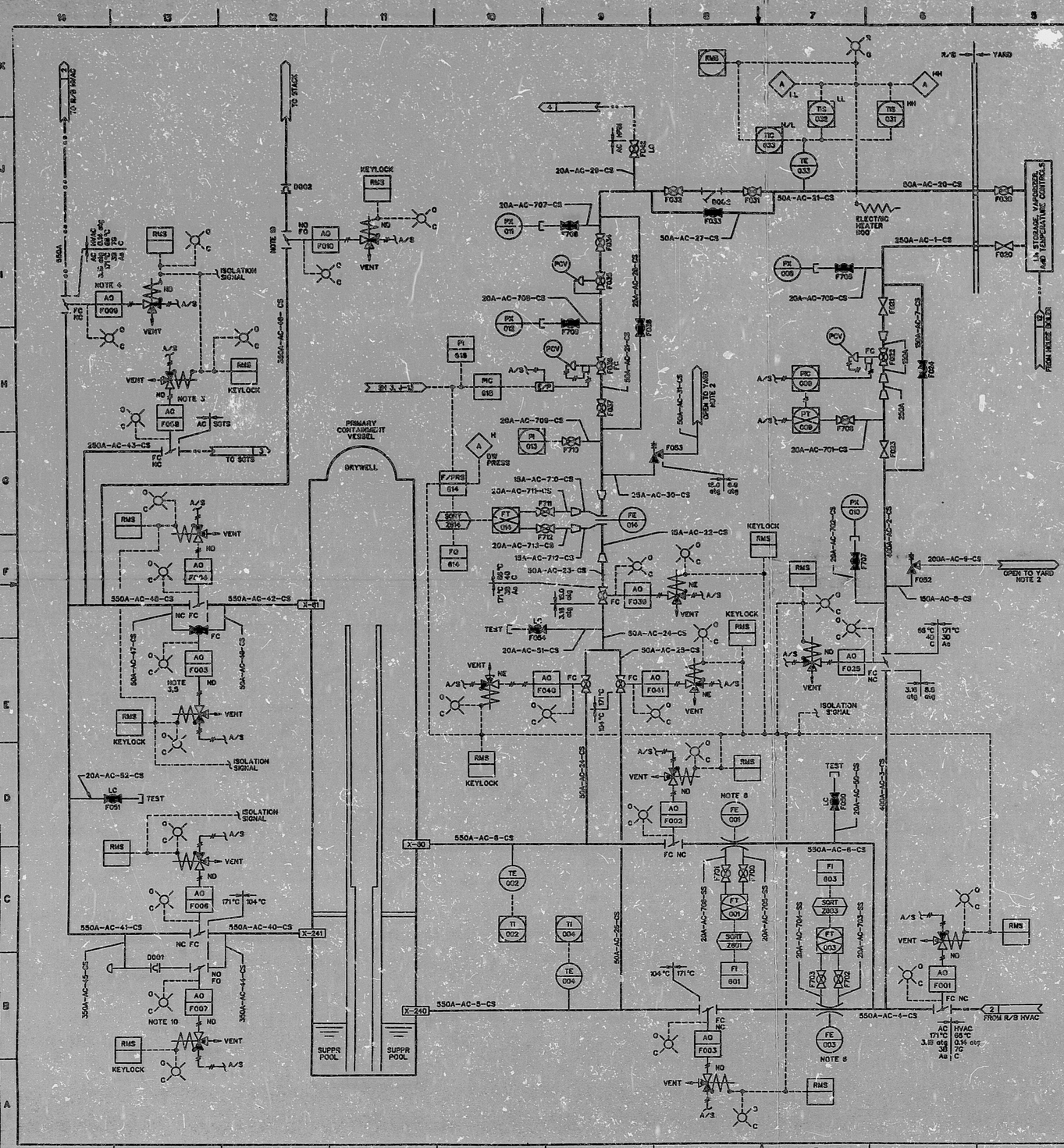


NOTES:

1. QUALITY CONTROL GROUP AND QUALITY GROUP CLASSIFICATION ARE PROVIDED IN FOLLOWING TABLE.

ITEM		QUALITY CLASSIFICATION	DESIGN CLASSIFICATION
AC SYS EXCEPT FOR FOLLOWING ITEMS		D	4
PCV BOUNDARY		B	3
HVAC SYS		G	7
TEST TAP	UPSTREAM OF VALVE	SAME AS PROCESS LINE	
	DOWNSTREAM OF VALVE	G	7
DRAIN	UPSTREAM OF VALVE	SAME AS PROCESS LINE	
	DOWNSTREAM OF VALVE	G	7
INSTRUMENT PIPING		SAME AS PROCESS LINE	
TEST TAP (FROM VALVE TO CAP)		G	7

2. THE EXHAUST TO THE YARD SHALL BE LOCATED AWAY FROM NORMALLY OCCUPIED AREAS. THE EXHAUST SHALL HAVE A STRUCTURE THAT PREVENTS ENTRY OF RAIN.
3. THESE VALVES SHALL BE ABLE TO BE OPENED MANUALLY BY SWITCHES THAT OVERRIDE THE PCV ISOLATION SIGNAL.
4. THIS VALVE IS MANUALLY OPENED AFTER EACH PCV LEAK TEST BY THE HAND WHEEL.
5. THIS VALVE SHALL BE USED FOR LIMITING FLOW RATE DURING DEPRESSURIZATION FOLLOWING PCV INTEGRATED LEAK RATE TEST.
6. THIS FLOW ELEMENT SHALL BE ANNUBER-TYPE.
7. DESIGN CONDITIONS OF PIPING ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED.
   A. MATERIAL ---------- CARBON STEEL
   B. SCHEDULE ---------- 75A AND OVER - SCH 40
      50A AND LESS - SCH 80
   C. RADIOACTIVE CONCENTRATION ---------- PCV BOUNDARY AND EXHAUST LINE: $\geq 10^{-6}$ uCi/cc : B.O.
   D. SEISMIC CLASS ------ PCV BOUNDARY : As
      OTHER AREAS : C
   E. FLUID ---------- N2 OR AIR
8. DESIGN CONDITIONS OF TEST, DRAIN AND INSTRUMENT PIPING ARE AS FOLLOWS:

ITEM		MAX OPERATING PRESSURE	MAX OPERATING TEMPERATURE	MATERIAL
TEST TAP	UPSTREAM OF VALVE	SAME AS PROCESS LINE		
	DOWNSTREAM OF VALVE	SAME AS PROCESS LINE	66 °C	CS
DRAIN	UPSTREAM OF VALVE	SAME AS PROCESS LINE		
	DOWNSTREAM OF VALVE	ATMOSPHERIC PRESSURE	66 °C	CS
INSTRUMENT PIPING		SAME AS PROCESS LINE		
INSTRUMENT PIPING CONNECTED TO DRYWELL		3.16 kg/cm²g	171 °C	SS
INSTRUMENT PIPING CONNECTED TO SUPPRESSION POOL		3.16 kg/cm²g	104 °C	SS
TEST TAP	UPSTREAM OF VALVE	3.16 kg/cm²g	171 °C	CS
	DOWNSTREAM OF VALVE	3.16 kg/cm²g	66 °C	CS

9. SUPPRESSION POOL WATER TEMPERATURE MONITORING IS PROVIDED BY SPTM SYSTEM, REF 6.
10. THESE VALVES ARE NOT PROVIDED WITH AN ISOLATION SIGNAL. CONTROL SWITCHES SHOULD BE LOCKED OPEN.

REFERENCE DOCUMENTS:

	MPL NO.
1. PIPING AND INSTRUMENT SYMBOLS DIAGRAM	A10-3030
2. HVAC SYSTEM P&ID	U41-1010
3. STANDBY GAS TREATMENT SYSTEM P&ID	T22-1010
4. HIGH PRESS. NITROGEN GAS SUPPLY SYS P&ID	P54-1010
5. NUCLEAR BOILER SYSTEM P&ID	B21-1010
6. SUPPR POOL WATER TEMP MONITORING SYS IED	T53-1010
7. DRYWELL COOLING SYSTEM	T41-1010
8. REMOTE SHUTDOWN SYSTEM IED	C51-1010
9. HIGH PRESSURE CORE FLOODER SYS P&ID	E22-1010
10. REACTOR CORE ISOLATION COOLING SYS P&ID	E51-1010
11. SUPPRESSION POOL CLEANUP SYSTEM P&ID	G51-1010
12. HOUSE BOILER SYS P&ID	P62-1010

FIG. 6.2-39

MPL NO. T31-1010

SI APERTURE CARD

EQUIPMENT CLASS CODE
SAFETY RELATED: THIS ITEM IS OR CONTAINS A SAFETY RELATED ITEM ☐ YES ☐ NO
IEEE CLASS 1E NUCLEAR SAFETY RELATED: ☐ YES ☐ NO

SIGNATURES	DATE	NO	YR
DRAWN WB TORRES	10	8	91
ENGINEER WB TORRES	10	1	91
DESIGN RJ ARBAUGH	10	07	91
ENGINEER GW FITZSIMMONS	10	1	91

APPLIED PRACTICES
UNLESS OTHERWISE SPECIFIED
TOLERANCES ON :
2 PLACE DECIMALS ± FRACTIONS ±
3 PLACE DECIMALS ± ANGLES ±

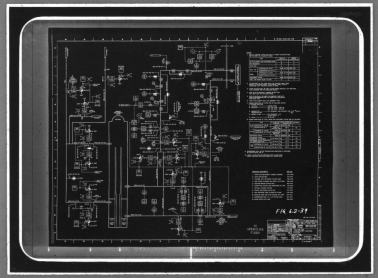
GENERAL ELECTRIC COMPANY San Jose CA
Nuclear Energy

DOC TYPE: P&ID
ATMOSPHERIC CONTROL SYSTEM
FNF CERT PRGM
ISSUE DATE JAN 3 1 1992
CODE NO. 107E6043
REV. 0
CAD FILE DAH 3208
PROJ. C
SHEET 1 OF 2
SIZE D
DIST. 0

AP-8096R0

PDR RIDS

9202260352



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