NOTES:

1. ALL EQUIPMENT AND INSTRUMENTS ARE PREFIXED BY G41 UNLESS OTHERWISE NOTED.
2. VENT AND DRAIN VALVES ARE REQUIRED AT ALL HIGH OR LOW POINTS IN PIPING NOT SERVED BY EQUIPMENT HAVING VENTS AND DRAINS.
3. SYSTEM DESIGN SPECIFICATION:

   (A) UNLESS OTHERWISE NOTED.

ITEM		APPLICATION
MAXIMUM OPERATING PRESS kg/cm²g		16.0
MAXIMUM OPERATING TEMP °C		66
NORMAL OPERATING TEMP °C		52
SEISMIC CATEGORY		GS1,S2D
PROCESS FLUID		W
PIPING MATERIAL		CS(SS)
PIPING THICKNESS	30A AND SMALLER	SCH 80
	80A AND LARGER	SCH 40
DESIGN CLASS	QUALITY CLASS	4C

4. VALVE POSITION INDICATING LIGHTS AND ALARMS SHALL BE INSTALLED IN THE MAIN CONTROL ROOM UNLESS OTHERWISE NOTED.
5. TWO SETS OF VALVES MARKED ** AND *** ARE SHOWN. EACH VALVE SHOULD BE LOCATED CLOSE TO OTHER VALVES IN ITS SET TO MORE EASILY PROVIDE COORDINATED MANUAL OPERATION.
6. PIPING MATERIAL, UNLESS OTHERWISE NOTED SHOULD BE CS. BUT PIPING BURIED IN CONCRETE SHOULD BE SS.
7. WATER LEVEL INDICATOR LI-630A&B SHOULD BE INSTALLED NEAR THE OPERATING SWITCH OF VALVE F036.
8. TEMPERATURE INPUT TO RECORDER TR3805, ONLY TE002 IS ALARMED.
9. AFTER SYSTEM TEST, PX005A AND B SHOULD BE REMOVED.
10. PIPING BURIED IN CONCRETE IS SHOWN BY ~~~~ SYMBOL.
11. FC (OR FO) INDICATES VALVES ARE FAIL CLOSED OR FAILED OPEN ON LOSS OF AIR PRESSURE TO AIR OR ELECTRIC POWER VALVE OPERATORS.
12. ALL AIR OPERATED VALVES TO HAVE OPEN-CLOSED INDICATING LIGHTS OPERATED FROM VALVE CONTROL SWITCH ON VALVE STEMS. ALL AIR OPERATED VALVES SHALL HAVE LIMIT SWITCHES.
13. NO VALVES OR INSTRUMENTS ARE TO BE LOCATED IN THE SHIELDED COMPARTMENT CONTAINING THE FILTER/DEMINERALIZER.
14. A COMMON TROUBLE ALARM FROM THE LOCAL ANNUNCIATOR SHALL ALARM IN THE MAIN CONTROL ROOM.
15. VALVE F038 IS LC AND NOT OPENED UNLESS SPENT FUEL STORAGE POOL GATE IS IN CLOSED POSITION.

REFERENCE DOCUMENTS:

	MPL NO.
1. PIPING AND INSTRUMENT SYMBOLS DIAGRAM	A10-3030
2. FUEL POOL COOLING & CLEANUP SYS PFD	G41-1020
3. FUEL POOL COOLING & CLEANUP SYSTEM P&ID	G41-1030
4. RHR SYSTEM P&ID	E11-1010
5. RADWASTE SYSTEM P&ID	K17-1010
6. MAKEUP WATER SYSTEM (CONDENSATE)	M13-1010
7. REAC BLDG COOLING WATER SYS P&ID	P21-1010
8. SAMPLING SYSTEM P&ID	P91-1010
9. HVAC SYSTEM P&ID	U41-1010
10. SUPPRESSION POOL CLEANUP SYS P&ID	G51-1010
11. NUCLEAR BOILER SYSTEM P&ID	B21-1010
12. INSTRUMENT AIR SYSTEM P&ID	P52-1010
13. REACTOR WATER CLEANUP SYS P&ID	G31-1010
14. STANDBY GAS TREATMENT SYSTEM	T22-1010

LEGEND:

SWH - STATIC WATER HEAD
ATM - ATMOSPHERIC PRESSURE
NSC - NON SEISMIC CATEGORY

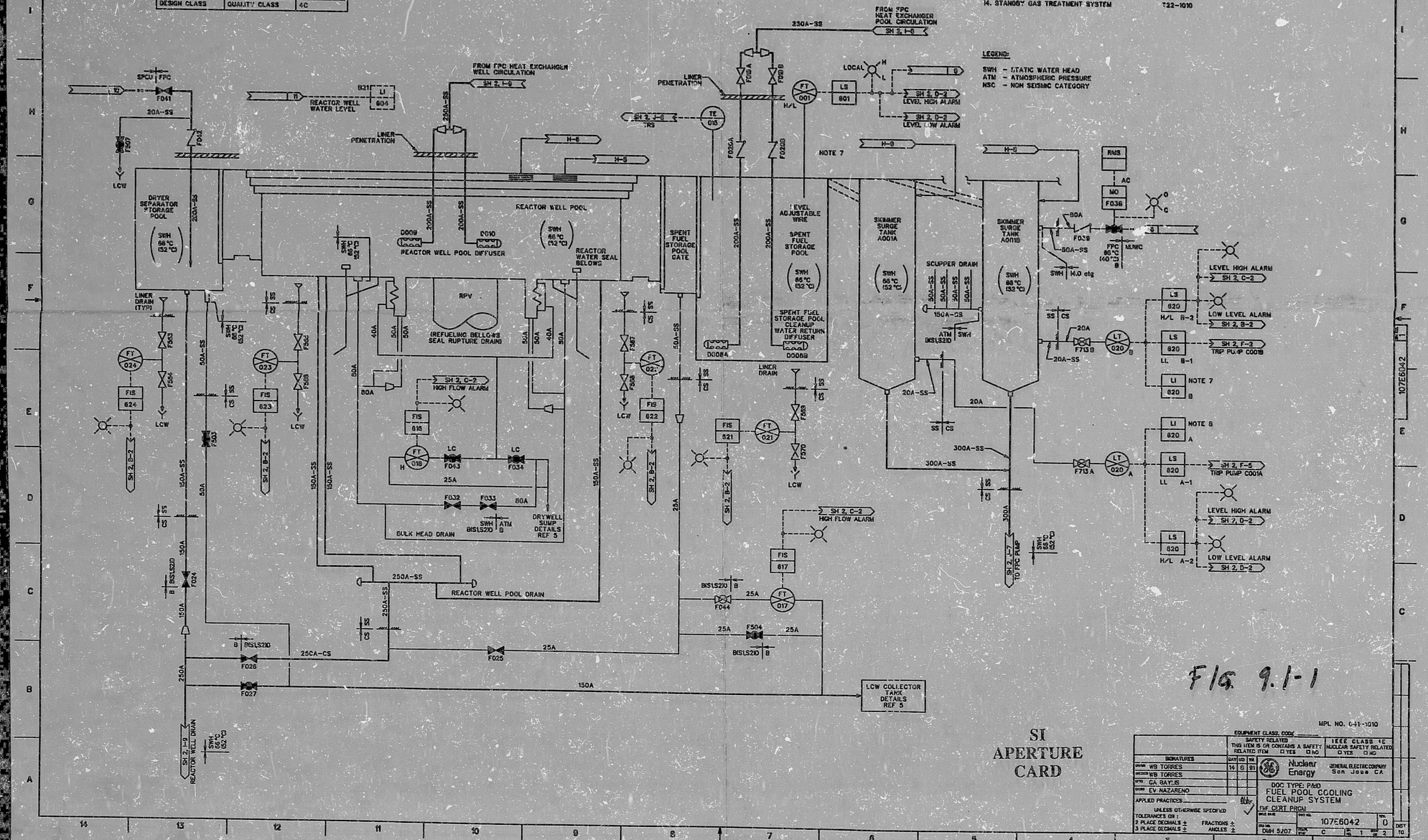


FIG. 9.1-1

SI APERTURE CARD

SIGNATURES	DATE		
DRAWN WB TORRES	14	6	91
DESIGNED WB TORRES			
DESIGN GA BAYLIS			
CHECKED EV NAZARENO			

APPLIED PRACTICES: BWR

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

EQUIPMENT CLASS CODE: MPL NO. G-41-1010

SAFETY RELATED: THIS ITEM IS OR CONTAINS A SAFETY RELATED ITEM ☐ YES ☐ NO

IEEE CLASS 1E NUCLEAR SAFETY RELATED ☐ YES ☐ NO

Nuclear Energy — GENERAL ELECTRIC COMPANY San Jose CA

DOC TYPE: P&ID
FUEL POOL COOLING CLEANUP SYSTEM

FMF CERT PROM

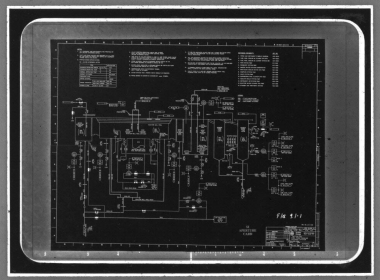
DWG NO. 107E6042 REV 0

DWG NO. DWH 5207 SHEET C SIZE 1 SCALE 2

AP-B099ORO

DR RIDS

9202260298



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