

8856-M-149

UNCONTROLLED DOCUMENT
FOR REFERENCE ONLY

REF. NO.	DESCRIPTION	DATE	BY	CHKD.
1	RCIC PUMP TURBINE P&ID	11-10-72	M-100	E-106254
2	P&ID LEGEND	11-10-72	M-100	E-106254
3	RCIC FUNCTION CONTROL DIAGRAM	11-10-72	M-100	E-106254
4	NUCLEAR BOILER T&D	11-10-72	M-100	E-106254
5	NUCLEAR BOILER VESSEL INSTR.	11-10-72	M-100	E-106254
6	RESIDUAL HEAT REMOVAL T&D	11-10-72	M-100	E-106254
7	HIGH PRESSURE CONTACT W/CONTROL M.	11-10-72	M-100	E-106254
8	RCIC TURBINE OUTLINE	11-10-72	M-100	E-106254
9	CONDENSATE P&ID	11-10-72	M-100	E-106254
10	CONDENSATE WATER SIZING & TRANS. P&ID	11-10-72	M-100	E-106254
11	MAIN STEAM P&ID	11-10-72	M-100	E-106254
12	RCIC SYSTEM LAYOUT P&ID (SHEET 1)	11-10-72	M-100	E-106254
13	LIQUID WASTE COLLECT P&ID	11-10-72	M-100	E-106254
14	RCIC SYSTEM SPECIFICATION & DATA SHEET	11-10-72	M-100	E-106254
15	RCIC OVERSPEED TRIP	11-10-72	M-100	E-106254
16	RCIC SHUT DOWN DIAGRAM	11-10-72	M-100	E-106254
17	RCIC PROCESS DIAGRAM	11-10-72	M-100	E-106254
18	REACTOR WATER CLEAN UP P&ID	11-10-72	M-100	E-106254
19	CONDENSATE P&ID	11-10-72	M-100	E-106254
20	CONDENSATE WATER SIZING & TRANS. P&ID	11-10-72	M-100	E-106254
21	CONDENSATE WATER SIZING & TRANS. P&ID	11-10-72	M-100	E-106254
22	RCIC P&ID, LINEAR PLATE P&ID	11-10-72	M-100	E-106254

TABLE E-0

VALVE	PANEL	SELECTOR SWITCH	CONTROL ROOM
HV-F031	HS-4931 B	HS-4932	HS-4931A
HV-F032	HS-4931 B	HS-4932	HS-4931A
HV-F033	HS-4931 B	HS-4932	HS-4931A
HV-F034	HS-4931 B	HS-4932	HS-4931A
HV-F035	HS-4931 B	HS-4932	HS-4931A
HV-F036	HS-4931 B	HS-4932	HS-4931A
HV-F037	HS-4931 B	HS-4932	HS-4931A
HV-F038	HS-4931 B	HS-4932	HS-4931A
HV-F039	HS-4931 B	HS-4932	HS-4931A
HV-F040	HS-4931 B	HS-4932	HS-4931A
HV-F041	HS-4931 B	HS-4932	HS-4931A
HV-F042	HS-4931 B	HS-4932	HS-4931A
HV-F043	HS-4931 B	HS-4932	HS-4931A
HV-F044	HS-4931 B	HS-4932	HS-4931A
HV-F045	HS-4931 B	HS-4932	HS-4931A
HV-F046	HS-4931 B	HS-4932	HS-4931A
HV-F047	HS-4931 B	HS-4932	HS-4931A
HV-F048	HS-4931 B	HS-4932	HS-4931A
HV-F049	HS-4931 B	HS-4932	HS-4931A
HV-F050	HS-4931 B	HS-4932	HS-4931A

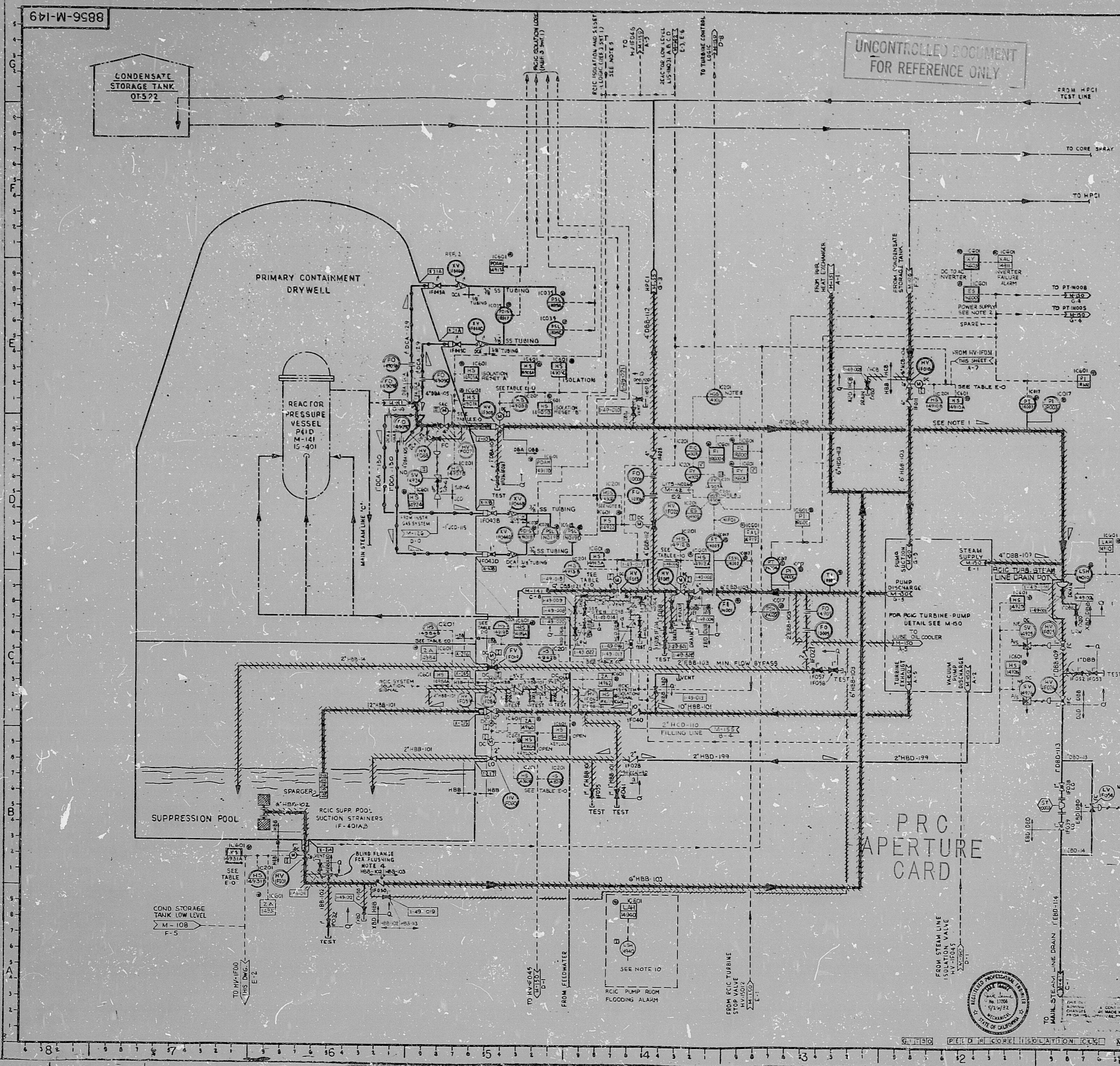
- NOTES:
- SLOPE STEAM LINE DOWN ALL THE WAY FROM MAIN STEAM LINE TO DRAIN POT JUST AHEAD OF TURBINE.
 - 1AC POWER FOR RCIC INSTRUMENTS SHALL BE DERIVED FROM 2C SOURCES, SEPARATE FROM THOSE WHICH SUPPLY THE NPCL SYSTEM.
 - PIPING HIGH POINT VENTS & LOW POINT DRAINS TO BE ADDED AS INDICATED.
 - PIPING SHOULD BE CLEANED AND FLUSHED IN ACCORDANCE WITH REF. 12, AFTER FLUSHING, DRY THE LINES WITH AIR, PURGE AND FILL WITH NITROGEN (REF. 12).
 - THE GE MPL NUMBER FOR THIS SYSTEM IS E31.
 - FOR INTERLOCKING REQUIREMENTS AND AUTO VALVE ACTUATION SEE G.E. FUNCTIONAL CONTROL DIAGRAM REF. 3.
 - RCIC ISOLATION IS INITIATED BY ANY OF THE FOLLOWING CONDITIONS:
 - EQUIPMENT ROOM VENT AIR INLET & OUTLET HIGH DIRT TEMP.
 - EMERGENCY AREA COOLER INLET HIGH TEMP.
 - PIPE ROUTING AREA VENT AIR INLET & OUTLET HIGH DIRT TEMP (TIME DELAY).
 - PIPE ROUTING AREA HIGH TEMP (TIME DELAY).
 - STEAM LINE HIGH DIRT PRESSURE (STEAM LINE DRAIN).
 - LOW REACTOR PRESSURE.
 - HIGH RCIC TURBINE VIBRATION DIAGNOSIS PROBLEMS.
 - MANUAL INITIATION OF ISOLATION PUSH BUTTON.
 - HS-4932 THRU HS-4935 ARE MULTIPLE TRANSFER SELECTOR SWITCHES WHOSE DIFFERENT CONTACTS ARE USED SEVERAL TIMES ON THE DRAWING FACE AND TABLE E-0.
 - 1ST VALVE NO. IS 1-49-022.
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1	DESIGNED PER CHANGE LIST 10/21/72	11-10-72	M-100	E-106254
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PENNSYLVANIA POWER & LIGHT COMPANY
ALLEGHENY POWER PLANT
REACTOR CORE ISOLATION COOLING

P&ID UNIT-1
REACTOR CORE ISOLATION COOLING

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E-106254



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