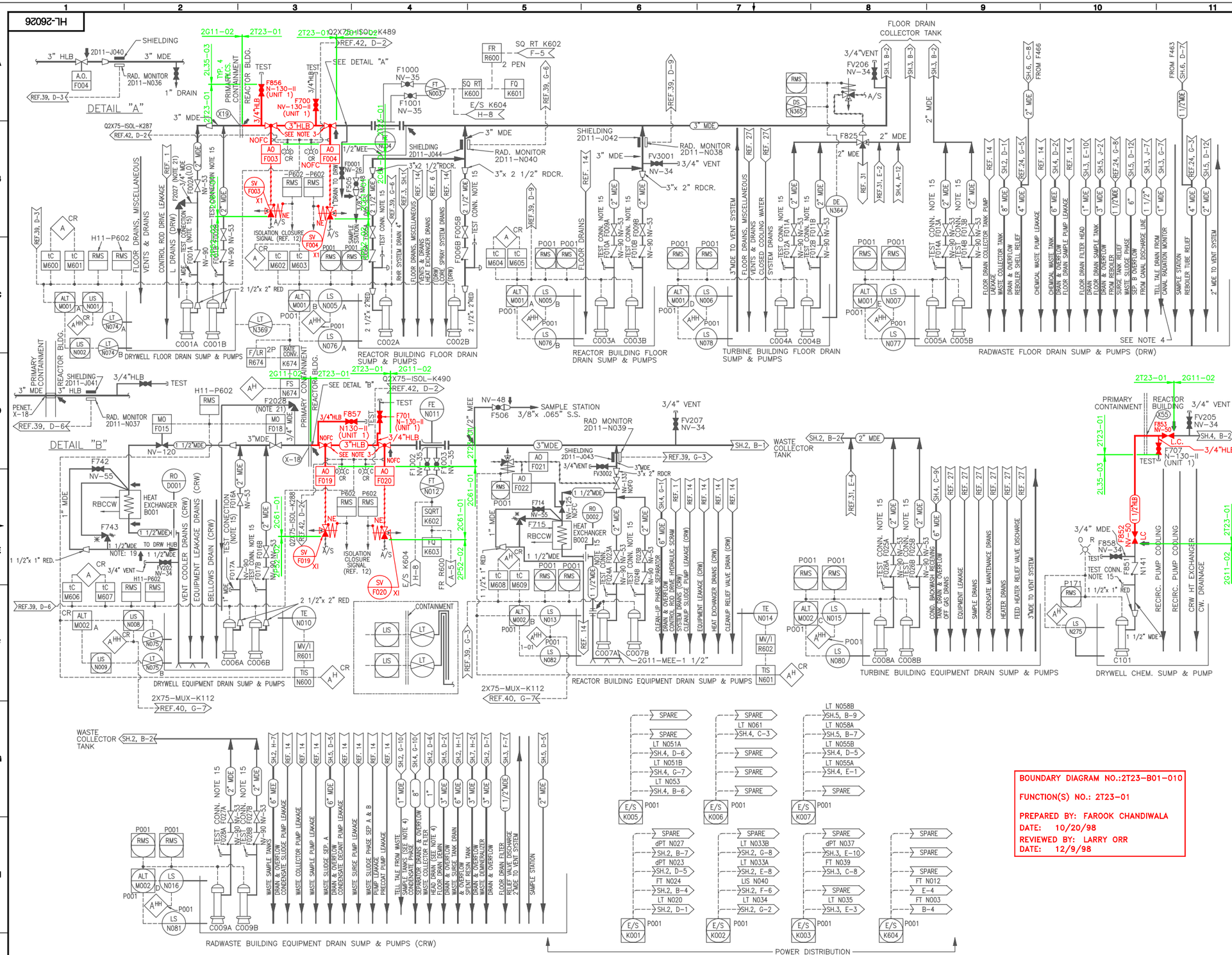

NOTES :

1. ALL EQUIPMENT & INSTRUMENTS ARE PREFIXED BY SYSTEM NO. 2G11 UNLESS OTHERWISE NOTED.
2. VALVES F184 & F185 WILL CLOSE AUTOMATICALLY ON LOW DILUTION FLOW OR HIGH-HIGH RADIATION SIGNAL. IF EITHER SIGNAL EXISTS WHILE THE VALVES ARE CLOSED, THEY CANNOT BE OPENED.
3. ALL AIR OPERATED VALVES ARE FAIL CLOSED UNLESS SHOWN OTHERWISE.
4. INCOMING PIPING TO SUMPS SHALL TERMINATE BELOW LOW WATER LEVEL TO PROVIDE A WATER SEAL UNLESS OTHERWISE SHOWN. OFF GAS LINE DRAINS SHALL BE SEALED AS ABOVE OR WITH LOOP SEALS SUFFICIENT TO PREVENT OFF GASES FROM ENTERING SUMP.
5. ALL MOTOR AND SOLENOID OPERATED VALVES, CENTRIFUGES AND PUMPS SHALL BE PROVIDED WITH ONE SET OF STATUS INDICATING LIGHTS ADJACENT TO THE REMOTE MANUAL SWITCH. ADDITIONAL LIGHTS ARE NOTED.
6. INTERLOCK TO PREVENT OPENING BOTH VALVES AT THE SAME TIME.
7. USED DURING PRESTARTUP ONLY. TO BE REMOVED AFTER STARTUP.
8. EXCEPT AT POINTS OF CONNECTION WITH APED SUPPLIED EQUIPMENT, THE PIPING SUPPLIED SHALL BE RESIZED IF NECESSARY, DUE TO THE PIPING ARRANGEMENT TO COMPLY WITH THE APED SYSTEM PROCESS DIAGRAM AND SYSTEM DESIGN SPECIFICATION.
9. EQUIPMENT DRAINS & SEALS SHALL BE ROUTED TO EQUIPMENT DRAIN OR FLOOR DRAIN SYSTEM IN ACCORDANCE WITH DESIGN SPEC. FOR RADIOACTIVE DRAIN SYSTEM AND WILL NOT FLOW FREELY ACROSS THE FLOOR.
10. ONE SUMP PUMP WILL START AUTOMATICALLY ON HIGH LEVEL, THE SECOND PUMP WILL START AUTOMATICALLY ON HIGH-HIGH LEVEL AND BOTH WILL STOP AUTOMATICALLY ON LOW LEVEL.
11. FEED DILUTION ON HIGH TORQUE. FLUSH ON HIGH-HIGH TORQUE & HIGH HOPPER LEVEL.
12. OVERFLOW LINES FROM CLOSED TOP TANKS WILL HAVE A TWO FOOT WATER SEAL FILLED BY A CONDENSATE LINE OR WILL BE SUBMERGED IN THE COLLECTING SUMP TO PREVENT VENTING THROUGH THE OVERFLOW.
13. SINGLE ALARMS AND INDICATING LIGHTS ARE LOCATED IN THE RADWASTE CONTROL ROOM UNLESS OTHERWISE INDICATED.
14. FOR SAMPLING LINES SEE REF. 7.
15. TEST CONNECTIONS TO BE 3/4" SIZE.
16. NUMBERS WITHIN ◯ INDICATE ANALOG INPUT NUMBER AS DESCRIBED IN THE FUNCTIONAL DESIGN CRITERIA FOR ERF, TABLE "D" – UNIT 2 ANALOG INPUT SIGNALS TO THE SPDS/ERF COMPUTER SYSTEMS.
17. ANY ADDITIONAL HIGH POINT VENTS AND LOW POINT DRAINS TO BE ADDED BY FIELD AS REQUIRED.
18. VALVES ON THIS DWG. ARE NUMBERED: FD001 THRU FD020 FOR DRAIN VALVES FV001 THRU FV020 FOR VENT VALVES
19. SPECIFICATION CHANGE AT TOP OF HUB TO AGREE WITH EMBEDDED PIPE.
20. 2G11/2G12 CONSTRUCTION CODE IS CHANGED FROM ASME SECTION III, CLASS 3 TO ANSI B31.1, EXCEPT FOR PORTIONS REQUIRED FOR CONTAINMENT ISOLATION AND EFFLUENT CONTROL (ISOLATION VALVES 2G11–F184 & F185).
21. VALVES 2G11–F2027 AND 2G11–F2028 ARE STAINLESS STEEL ASME III CLASS 3.

REFERENCE

		MPL NO	SSI NO
1. CONTROL ROD DRIVE HYDRAULIC SYSTEM P&ID	SHT. 1	2C11–1010	H–26006
	SHT. 2		H–26007
2. PROCESS RADIATION MON.–IED	SHT. 1	2D11–1010	H–26011
	SHT. 2		H–26012
3. RESIDUAL HEAT REMOVAL SYSTEM	SHT. 1	2E11–1010	H–26014
	SHT. 2		H–26015
4. RADWASTE SYSTEM FCD		2G11–1030	
5. REACTOR WATER CLEANUP SYS. P&ID	SHT. 1	2G31–1010	H–26036
	SHT. 2		H–26037
6. PRESSURE INTEGRITY SPECIFICATION		2A61–4030	S–25112
7. PLANT REQUIREMENTS		2A61–4020	
8. PIPING AND INSTRUMENT SYMBOLS		A42–1010	S–15051
9. RADWASTE SYSTEM P.D.		2G11–1020	S–25384
10. RADWASTE SYSTEM DES. SPEC.		2G11–4010	S–25126
11. CORE SPRAY SYSTEM P&ID		2E21–1010	H–26018
12. NUCLEAR BOILER SYSTEM FCD		2B21–1030	S–25154
13. FUEL POOL SYSTEM		2G41–1010	H–26039
14. REACTOR & RADWASTE DRAINAGE DIAGRAM		2T45–1010	H–26075
15. REACTOR & RADWASTE BLDGS. COND. STORAGE & TRANSFER SYS. DIAGRAM		2P11–1010	H–26046
16. REACTOR & RADWASTE & TURB. BLDGS. AUX. STEAM SYS. P&ID		2P61–1010	H–26063
17. CONDENSATE POLISHING DEMIN. SYS. P&ID		2N21–1010	H–21018
18. TURBINE BLDG. INSTR. AIR SYS. P&ID		2P52–1010	H–21077
19. RADWASTE BLDG. INSTR. AIR SYS. P&ID		2P52–1010	H–26059
20. TURBINE BLDG. SERVICE AIR SYS. P&ID		2P51–1010	H–21029
21. REACTOR & RADWASTE BLDG. SERVICE AIR SYS. P&ID		2P51–1020	H–26058
22. RADWASTE BUILDING–STEEL SUPPORTS FOR SHIELDED DETECTOR WELL–NEAT LINE AND REINF. FOR CONCRETE PADS AT EL. 103'–0"		2D11–J009	H–25705
23. DEMINERALIZED WATER SYS. P&ID		2P21–1010	H–26047
24. RADWASTE SYS. SUPPORT SYS. P&ID & PFD		2G11–1011	H–26035
25. SAMPLING SYS. P&ID & PFD		2P33–2010	H–26038
			H–21061
27. TURBINE BLDG. DRAINAGE DIAGRAM		2U45–1010	H–21062
28. WASTE GAS TREATMENT BLDG. SUPPORT SYS. P&ID		2N62–1015	H–26043
29. TURBINE BLDG. CONDENSATE & FEEDWATER SYS. P&ID		2N21–1010	H–21037
30. FUEL POOL FILTER/DEMIN SYS. P&ID		2G41–1010	H–26040
31. FLOOR AND EQUIPMENT DRAINS CONTROL BLDG. P&ID		2Z45–1010	H–21063
32. RADWASTE SOLIDIFICATION SYSTEM P&ID		2G12–1010	H–26033
33. TURBINE BLDG. CIRCULATING WATER SYSTEM		2N71–1010	H–21026
34. TURBINE BLDG. CONDENSATE & FEEDWATER P&ID SH. 1		2N21–1010	H–21037
		2P52–1010	
35. REACTOR BLDG. SOUTHSIDE INTERRUPTABLE INSTR. AIR P&ID SH. 1			H–26060
36. RADWASTE BLDG. FLOOR AND EQUIPMENT DRAINAGE DIAGRAM		2V45–1010	H–26092
37. REACTOR BLDG. CLOSED COOLING WATER SYS. P&ID		2P42–1010	H–26055
38. HOT MACHINE SHOP SUPPORT SYS. P&ID			H–26053
39. PROCESS RADIATION MONITORING SYS. I.E.D. SHT 4			H–26107
40. ANNUNCIATOR SIGNALS TO TSC, I.E.D.		2X75–1010	H–26159
41. DATA ACQUISITION CHART, ERF ANALOG SIGNALS–GIT SIGNAL CONDITIONING SHEET 4 OF 8		2X75–1010	S–41964
42. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYSTEM I.E.D. SHEET 6 OF 15		2X75–P601	H–26175

BOUNDARY DIAGRAM NO.:2T23–B01–010

FUNCTION(S) NO.: 2T23–01

PREPARED BY: FAROOK CHANDIWALA
DATE: 10/20/98
REVIEWED BY: LARRY ORR
DATE: 12/9/98

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MPL NO. 2G11-1010 | ACAD14 | HL26026

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
RADWASTE SYSTEM P&ID
SHEET NO. 1

DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
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DATE	SCALE: None			

Revision: A	Date: 11-18-99
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BY	CHK'D	APPR'L
TRM	RLM	ASK

HL-26026