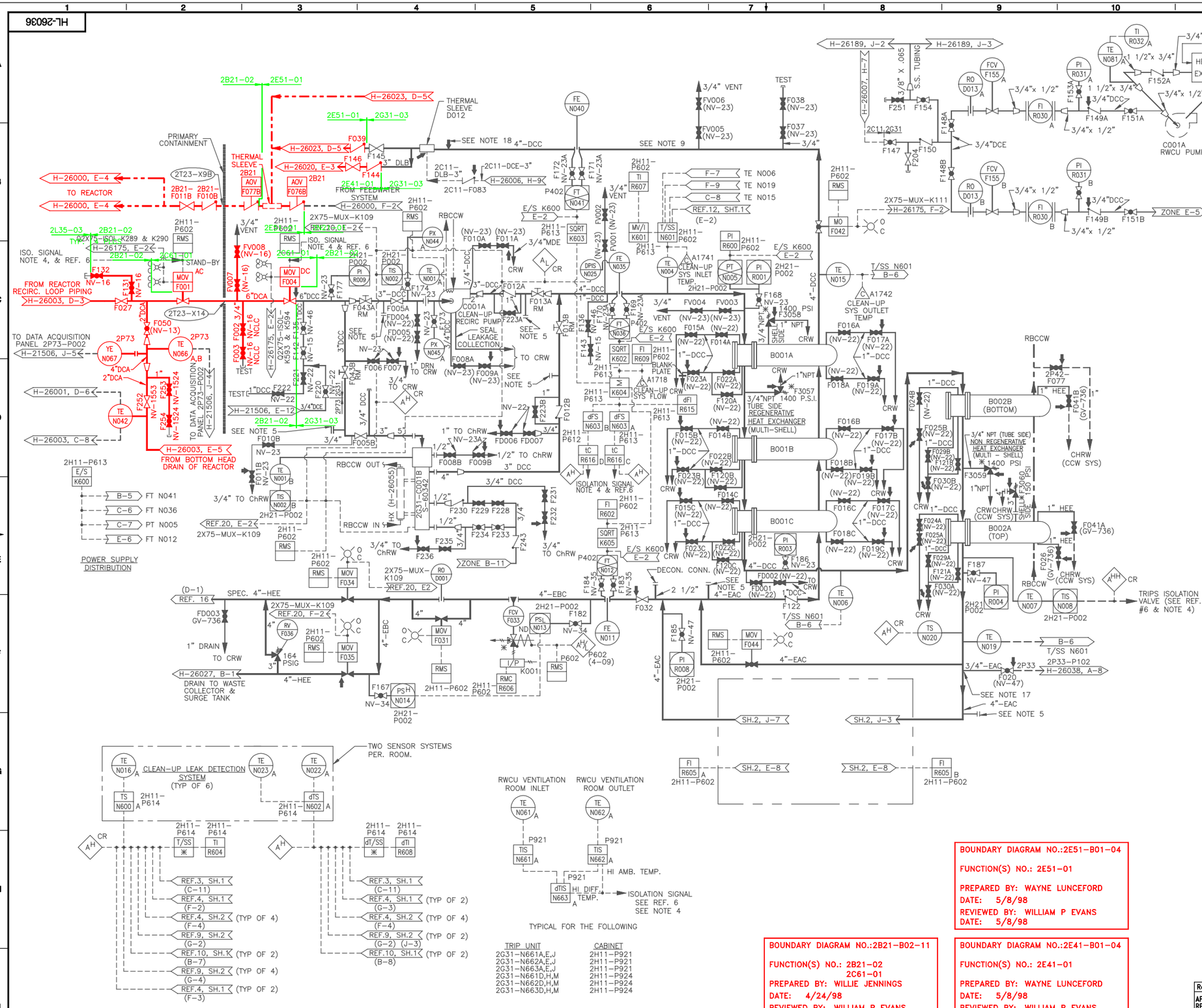

REFERENCES:

		MPL NO	SSI NO
1. REACTOR WATER CLEANUP SYS PD		2G31-1030	S25285
2. PLANT REQUIREMENTS		2A61-4020	
3. NUCLEAR BOILER SYSTEM P&ID	SHT 1	2B21-1010	H-26000
	SHT 2		H-26001
4. RCIC SYSTEM P&ID	SHT 1	2E51-1010	H-26023
	SHT 2		H-26024
5. RADWASTE SYS P&ID	SHTS 1-7	2G11-1010	H-26026 – H-26032
6. REACTOR WATER CLEANUP SYSTEM FCD		2G31-1020	
7. PIPING & INSTRUMENT SYMBOLS		A42-1010	S-15051
8. PROCESS INSTRUMENT PIPING & TUBING INSTALLATION SPEC.		2A61-4070	S-25323
9. HPCI SYSTEM P&ID	SHT 1	2E41-1010	H-26020
	SHT 2		H-26021
10. RHR SYSTEM P&ID	SHT 1	2E11-1010	H-26014
	SHT 2		H-26015
11. PRESSURE INTEGRITY OF PIPING AND EQUIPMENT PRESSURE PARTS		2A61-4030	S-25112
12. REACTOR RECIRC SYSTEM P&ID	SHT 1	2B31-1010	H-26003
	SHT 2		H-26004
13. REACTOR WATER CLEANUP SYS DESIGN SPEC		2G31-4010	S-25161
14. LIQUID SAMPLING SYS.		2P33-2010	H-26038
15. COND. STOR & TRANS. SYS.		2P11-1010	H-26046
16. MSR & HTR VENTS & SHELL DRAINS		2N22-1010	
17. FUEL POOL COOLING SYS.		2G41-1010	H-26040
18. SERVICE AIR SYS. P&ID		2P51-1010	H-26058
19. CONTROL ROD DRIVE SYS. P&ID	SH. 1	2C11-1010	H-26006
	SH. 2		H-26007
20. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYS. I.E.D. SHT 6 OF 15		2X75-1010	H-26175
21. P&ID – H.W.C. SYSTEM – ELECTRO CHEMICAL POTENTIAL SYSTEM		2P73	H-21506

NOTES:

1. ALL EQUIPMENT AND INSTRUMENTS ARE PRECEDED BY MPL. NO. 2G31 UNLESS OTHERWISE NOTED.
2. WHERE GV–NUMBERS ARE SHOWN, THE VALVES ARE TAGGED WITH THESE NUMBERS; WHERE GV–NUMBERS ARE NOT SHOWN, THE VALVES ARE TAGGED WITH THE MPL NUMBER.
3. VENT, DRAIN & RELIEF VALVE DISCHARGE SYSTEMS, DRAIN TO CRW, CHRW WHERE APPLICABLE.
4. MOTOR OPER. ISOLATION VALVES CLOSE ON ANY OF THE FOLLOWING SIGNALS.
   (A) HIGH TEMP FOLLOWING NON REG HEAT EXCHANGER (ONLY F004)
   (B) STANDBY LIQUID CONTROL–SYS. ACTUATION (ONLY F004)
   (C) LOW REACTOR WATER LEVEL
   (D) HIGH Δ TEMP–LEAK DETECTION
   (E) HIGH Δ FLOW–LEAK DETECTION
   (F) HIGH AMBIENT TEMP – LEAK DETECTION
5. CHEMICAL CLEANING AND DECONTAMINATION CONNECTIONS SHALL BE PROVIDED TO GIVE OPTIMUM DECONTAMINATION. CONNECTIONS SHALL BE ARRANGED TO PROVIDE DECONTAMINATION OF ONE PIECE OF EQUIPMENT SEPARATELY FROM ALL OTHER EQUIPMENT. (I.E. FILTER–DEMINERALIZER VALVE MANIFOLD, SEPARATELY FROM THE FILTER–DEMINERALIZER, HEAT EXCHANGER ETC.)
6. NON–REGENERATIVE HEAT EXCHANGER SHELL VALVES & PIPING DESIGNED TO RBCCW SYSTEM CONDITIONS.
7. ANY ADDITIONAL HIGH POINT VENTS AND LOW POINT DRAINS TO BE ADDED BY FIELD AS REQUIRED.
8. TEMPORARY STRAINER SCREENS SHALL BE PROVIDED ON THE SUCTION SIDE OF ALL PUMPS IN ACCORDANCE WITH REFERENCE 2, SECTION 9–UNLESS OTHERWISE SPECIFIED.
9. PIPING TO BE DESIGNED FOR SAME PRESSURE & TEMP AS MAIN FEED PIPING.
10. FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS, SEE INSTRUMENT DATA SHEET LISTED IN MPL FOR EACH INSTRUMENT.
11. WHERE TWO VALVES ARE INDICATED IN A DOUBLE BLOCK ARRANGEMENT ON VENTS AND DRAINS, BOTH VALVES SHALL BE THE SAME RATING AND COMPATIBLE WITH UPSTREAM SYSTEM SERVICE SPECIFICATIONS.
12. AIR OPERATED VALVES SHOWN IN FILTERING PROCESS STATUS, ARE FAIL CLOSE ON LOSS OF AIR PRESSURE TO VALVE OPERATOR OR LOSS OF ELECTRICAL POWER TO THE VALVE PILOT.
13. USE NORMAL AC POWER FOR ELECTRICAL DEVICES AND ELECTRIC POWERED VALVES UNLESS OTHERWISE NOTED.
14. FOR CONDUCTIVITY RECORDERS 2G31–CRS–R601, 2G31–CRS–R603, SEE P&ID DWG. H–26038.
15. VALVES ON THIS DWG ARE NUMBERED
    FD001 THRU FD020 FOR DRAIN VALVES
    FV001 THRU FV020 FOR VENT VALVES
16. PROVIDE REMOVABLE SUB–ASSEMBLY WITH THE PRESENT 1" VALVES F092, F093. THE 1" SUB–ASSEMBLY TO BE REPLACED WITH A 3" FOLLOWING DELIVERY OF 3" VALVES F092, F093.
17. SEE I.I.D A–26412–263 FOR SAMPLE PROBE DETAIL AND INSTALLATION.
18. PROVIDE TRANSITION BETWEEN CLASS DLB & DCC
19. ✳ REFERS TO VENDOR SUPPLIED MATERIAL.

BOUNDARY DIAGRAM NO.:2E51–B01–04
FUNCTION(S) NO.: 2E51–01
PREPARED BY: WAYNE LUNCEFORD
DATE: 5/8/98
REVIEWED BY: WILLIAM P EVANS
DATE: 5/8/98

BOUNDARY DIAGRAM NO.:2B21–B02–11
FUNCTION(S) NO.: 2B21–02
2C61–01
PREPARED BY: WILLIE JENNINGS
DATE: 4/24/98
REVIEWED BY: WILLIAM P EVANS
DATE: 5/28/98

BOUNDARY DIAGRAM NO.:2E41–B01–04
FUNCTION(S) NO.: 2E41–01
PREPARED BY: WAYNE LUNCEFORD
DATE: 5/8/98
REVIEWED BY: WILLIAM P EVANS
DATE: 5/8/98

LICENSE RENEWAL DOCUMENT

MPL NO. 2G31-1010 | ACAD14 | HL26036

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

Revision: A | Date: 12–30–99

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EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
REACTOR WATER CLEAN–UP SYSTEM
P&ID, SHEET 1

BY	CHK'D	APPR
TRM	RLM	ASK

DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
TRM	LCF	10-502	HL-26036	A
DATE	SCALE None			