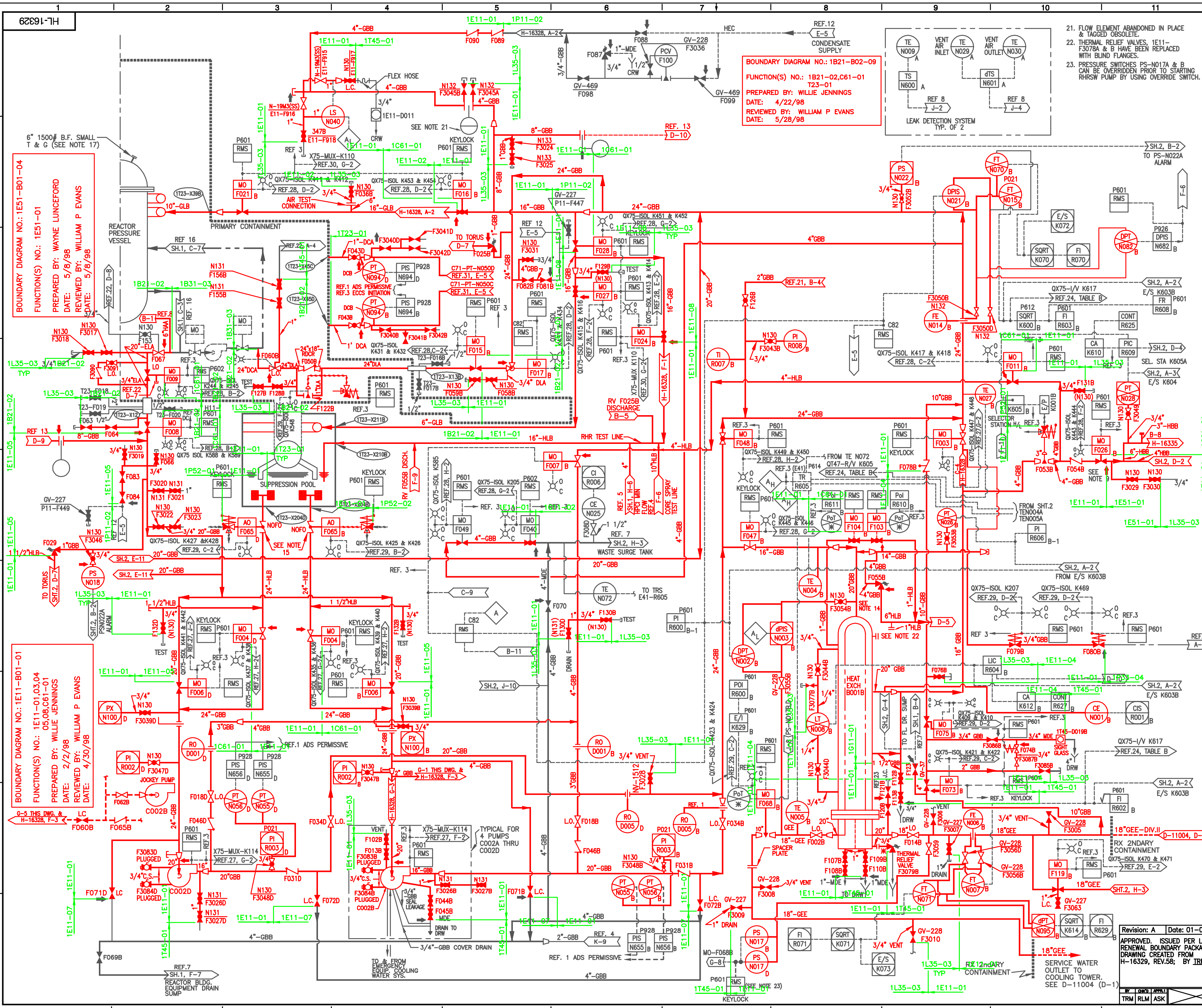

21. FLOW ELEMENT ABANDONED IN PLACE & TAGGED OBSOLETE.
22. THERMAL RELIEF VALVES, 1E11-F3078A & B HAVE BEEN REPLACED WITH BLIND FLANGES.
23. PRESSURE SWITCHES PS-N017A & B CAN BE OVERRIDDEN PRIOR TO STARTING RHRSW PUMP BY USING OVERRIDE SWITCH.

NOTES

1. INSTRUMENT LINE VALVING MUST COMPLY WITH INSTRUMENT PIPING STANDARDS REFERENCE 11.
3. PIPING HIGH POINT VENTS & LOW POINT DRAINS ARE TO BE ADDED AT ALL SUCH HIGH POINTS OR LOW POINTS NOT SERVED BY EQUIPMENT VENTS & DRAINS.
4. ALL EQUIPMENT AND INSTRUMENTS ARE PREFIXED BY MPL NO. E11 UNLESS OTHERWISE NOTED.
5. THIS NOTE HAS BEEN DELETED.
6. ALL POSITION INDICATING LIGHTS ARE LOCATED IN CONTROL ROOM.
7. ALL MOTOR OPERATED VALVES ARE A.C. OPERATED UNLESS OTHERWISE NOTED.
8. ALL VENTS AND DRAINS ARE 3/4" UNLESS OTHERWISE SPECIFIED.
9. BREAKER IN CUBICLE 10A OF MCC R24-S012, RHR HEAT EXCHANGER TO RCIC VALVE, MOV E11-F026B, IS NORMALLY OPEN TO INSURE THAT CIRCUIT R24-S012-ES8-C49A IS DEPOWERED DURING NORMAL OPERATIONS.
10. DELETED
11. BREAKER IN CUBICLE 9C OF MCC R24-S011, RHR HEAT EXCHANGER TO RCIC VALVE E11-F026A, IS NORMALLY OPEN TO INSURE THAT CIRCUIT R24-S011-ES7-C47A IS DE-ENERGIZED DURING NORMAL OPERATIONS.
12. FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE INSTRUMENT DATA SHEET LISTED IN MPL FOR EACH INST.
13. DELETED
14. VALVES F025, F029, F030 SHALL BE 1" & F087 SHALL BE 3/4" THERMAL RELIEF VALVES. VALVE F055 SHALL BE RELIEF VALVE WITH PRESSURE SET POINT OF 450 PSIG.
15. VALVE AO F065 SHALL BE LOCATED A MAXIMUM OF 6' FROM THE NOZZLE OF THE TORUS WITH ADEQUATE CLEARANCES FOR OPERATION OF THE VALVE AND VALVE OPERATOR.
16. WHERE GV No'S ARE SHOWN THE VALVES ARE TAGGED WITH THESE No'S. WHERE GV NO'S ARE NOT SHOWN, THE VALVES ARE TAGGED WITH THE MPL No.
17. BOLTING: BOLT STUDS SA-193, GR.B7; NUTS: HEX HEAD SEMI-FINISHED SA-194, GR.2H; GASKET: FLEXITALLIC STYLE R-4 JM #913 LOW CHLORIDE FILLER OR EQUAL.
18. 1E11-F065A-D TORUS FLANGE HAS TWO (2) O-RING. O-RINGS EITHER VITON OR ETHYLENE PROPYLENE, SIZES 473 & 475 (24" ID x 1/4" DIA, 26" ID x1/4" DIA.
19. DELETED
20. VALVE E11-F010 SHALL BE PERMANENTLY CLOSED (POWER DISCONNECTED) UNLESS THE REACTOR IS IN COLD SHUTDOWN CONDITION.

NOTES CON'T AT LEFT.

LEGEND:

CA – CONTROL AMPLIFIER
CONT – CONTROLLER

REFERENCE DOCUMENTS:

		MPL. NO	BECHTEL OR SSI NO
1.	NUCLEAR BOILER SYSTEM FCD	B21-1032	S-15267
3.	RESIDUAL HEAT REMOVAL FCD	E11-1030	S-15326
4.	CORE SPRAY P&ID	E21-1010	H-16331
5.	HPCI SYSTEM P&ID	E41-1010	H-16332
6.	RCIC SYSTEM P&ID	E51-1010	H-16334
7.	RADWASTE SYSTEM P&ID	G11-1010	H-16176-182
8.	REACTOR WATER CLEANUP SYS P&ID	G31-1010	H-16188-189
9.	SAMPLING SYS. P&ID AND PFD	P33-1010	H-16281
10.	PIPING AND INSTRUMENT SYMBOLS	A41-1010	S-15051
11.	PROCESS INSTRUMENTATION & TUBING INSTALLATION SPECIFICATIONS	A61-4070	S-15426
12.	REAC. & RADWASTE BLDGS. COND. ST & TRANS. DIAG.	P11-1010	H-16016
13.	FUEL POOL COOLING SYS. P&ID	G41-1010	H-16002
14.	PLANT REQUIREMENTS	A61-4020	S-17109
15.			
16.	REACTOR RECIRC SYS P&ID	B31-1010	H-16066-68
17.	NUCLEAR BOILER SYS P&ID	B21-1010	H-16062 & 63
18.	FURN. FARB. DEL. & ERECT. PIPING & SETTING OF MECH. EQUIP.		SS-6909-11
19.	RHR PROCESS DATA	E11-1020	S-15301
20.	NUCLEAR BOILER LEAK DETECTION SYS. DESIGN SPEC.	A61-4040	S-15530
21.	JOCKEY PUMP SYS. P.&I.D. AND PFD.	E21-1050	H-16328
22.	DRYWELL VALVE & EQUIP. DRAINAGE SYS. P.&I.D.	T45-1030	H-16199
23.	DEMIN. WTR. SYS. P&ID	P21-1010	H-16015
24.	CLASS IE ANALOG SIGNAL CONVERSION/ISOLATION SYS. I.E.D.	X75-1010	H-16394
25.	CLASS IE DIV 1 ANALOG SIGNAL CONVERSION/ISOLATION, SYS. I.E.D.	X75-1010	H-16395
26.	CLASS IE DIV. 2 ANALOG SIGNAL CONVERSION/ISOLATION, SYS. I.E.D.	X75-1010	H-16396
27.	DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYS. I.E.D. SHT. 2 OF 15.	X75-1010	H-16404
28.	DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYS. I.E.D. SHT. 3 OF 15.	X75-1010	H-16405
29.	DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYS. I.E.D. SHT. 4 OF 15.	X75-1010	H-16406
30.	DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYS. I.E.D. SHT. 15 OF 15.	X75-1010	H-16417
31.	REACTOR PROTECTION SYS. P&ID	C71-1010	H-16568

LICENSE RENEWAL DOCUMENT

MPL NO. E11-1010 | ACAD14 | HL16329

SOUTHERN COMPANY

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Revision: A | Date: 01-07-00

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BY	CHK'D	APPR.1
TRM	RLM	ASK

EDWIN I. HATCH NUCLEAR PLANT UNIT No.1
R. H. R. SYSTEM P&ID
SHT. 1

DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
TRM	LCF	10-502	HL-16329	A
DATE	SCALE: None			