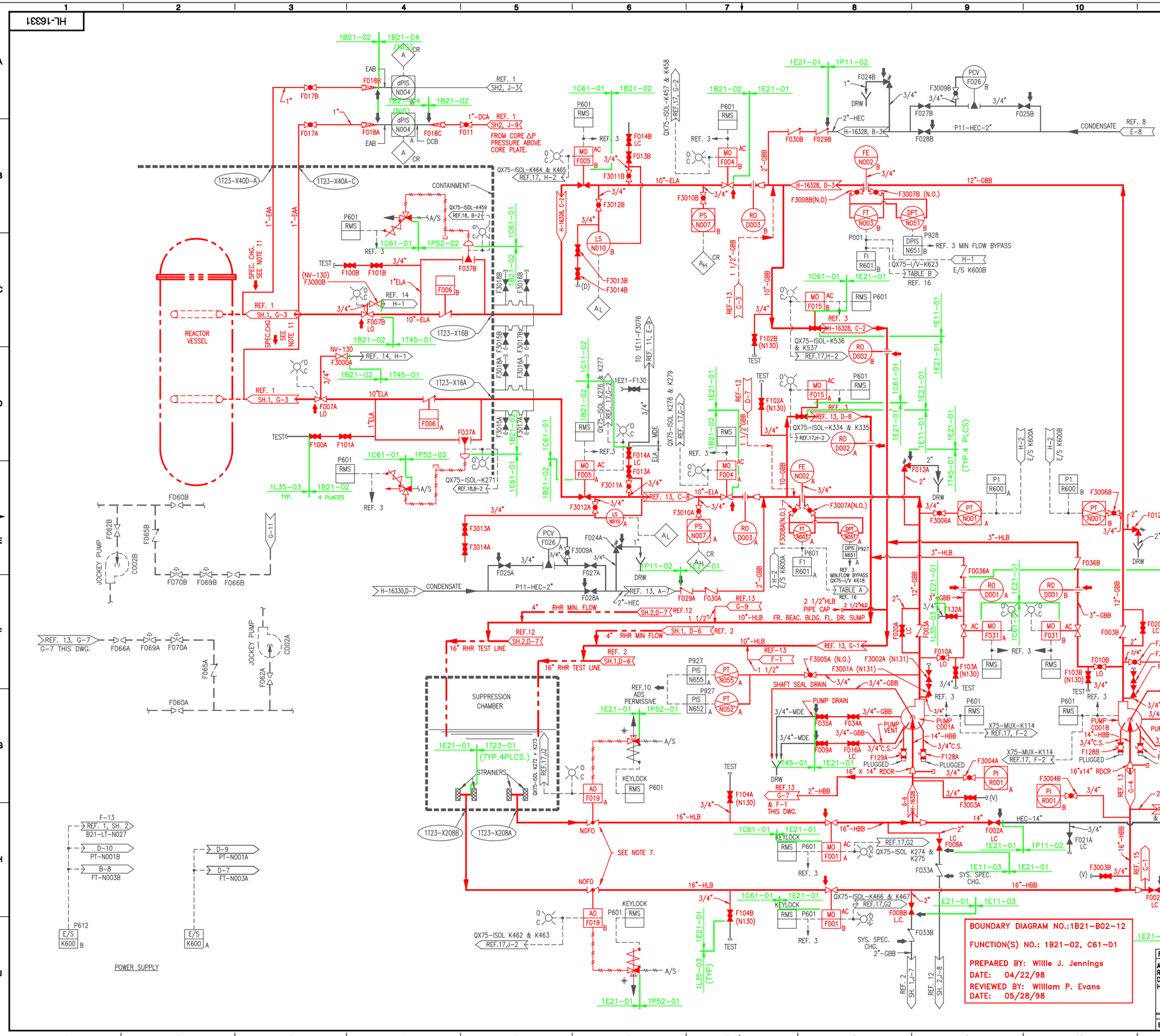

NOTES:

1. ALL EQUIPMENT & INSTRUMENTS ARE PREFIXED BY MPL NO. E21 UNLESS OTHERWISE NOTED.
2. WHERE GV-NUMBERS ARE SHOWN, THE VALVES WILL BE TAGGED WITH THESE NUMBERS. WHERE GV NUMBERS ARE NOT SHOWN THE VALVES WILL BE TAGGED WITH THE MPL NUMBER.
3. FOR LOCATION & IDENTIFICATION OF INSTRUMENTS SEE INSTRUMENT DATA SHEET LISTED IN MPL FOR EACH INSTRUMENT.
4. INSTRUMENT LINE VALVING MUST COMPLY WITH INSTRUMENT PIPING STANDARD SPEC. LISTED IN REFERENCE 9.
5. ALL POSITION INDICATING LIGHTS ARE LOCATED IN CONTROL ROOM.
6. HIGH POINT VENTS & LOW POINT DRAINS ARE TO BE PROVIDED WHERE NECESSARY AS DETERMINED BY PHYSICAL ROUTING.
7. VALVES F019A & B SHALL BE LOCATED A MAXIMUM OF SIX FEET FROM THE NOZZLE OF THE TORUS WITH ADEQUATE CLEARANCE FOR OPERATION OF THE VALVE & VALVE OPERATOR.
8. L.S. N010 A&B INDICATES THE PROPER FUNCTION OF THE JOCKEY PUMP SYSTEM.
9. CHEMICAL CLEANING CONNECTIONS, VALVES, ETC., IF REQUIRED ARE TO BE PROVIDED "BY OTHERS" AS NECESSARY.
10. THESE LINES MAY BE RETURNED TO SUPPRESSION CHAMBER THROUGH SEPERATE LINES OR ATTACHED TO RHR SYSTEM TEST RETURN LINES. (SEE REF. 2).
11. PIPING CHANGED TO SA333 GRADE 6 CARBON STEEL FROM R.P.V. TO THE SPEC. CHANGE.

REFERENCE DOCUMENTS:	MPL ITEM NO.	BECHTEL OR SSL NO.
1. NUCLEAR BOILER P&ID	B21-1010	H-16062, H-16063
2. RHR SYSTEM P&ID – SHT. 1	E11-1010	H-16329
3. CORE SPRAY SYSTEM FCD	E21-1030	S-15139
4. PLANT REQUIREMENTS	A61-4020	S-17109
5. CORE SPRAY PROCESS DIAGRAM	E21-1020	S-15117
6. PIPING & INSTRUMENT SYMBOLS DWG.	A41-1010	S-15051
7. FURN, FAB. DEL, & ERECT. PIPING & SETTING OF MECH EQUIP.		SS-69094
8. REACTOR & RADWASTE BLDGS. CONDENSATE STORAGE & TRANSFER SYSTEM	P11-1010	H-16016
9. PROCESS INST. PIPING & TUBING INSTALL. SPEC.	A61-4070	S-15426
10. NUCLEAR BOILER SYS. FCD	B21-1030	S-15267
11. RADWASTE SYS. P.&I.D.	G11-1010	H-16176, H-16182
12. RHR. SYSTEM P.&I.D. SHT. 2	E11-1010	H-16330
13. JOCKEY PUMP SYS. P&ID & PFD	E21-1050	H-16328
14. DRYWELL VALVE & EQUIP. DRAINAGE SYS. P.&I.D.		H-16199
15. TORUS DRAINAGE & PURIFICATION SYS.		H-16135
16. CLASS IE ANALOG SIGNAL CONVERSION/ISOLATION SYS. I.E.D.	X75-1010	H-16394
17. DIGITAL INPUT SIGNALS TO ERF COMPUTER SYS. I.E.D. SH. 4 OF 15	X75-1010	H-16406
18. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYS. I.E.D. SH. 5 OF 15	X75-1010	H-16407

LICENSE RENEWAL DOCUMENT

MPL NO. E21-1010 LVN-F104 | ACAD14 | HL16331

SOUTHERN COMPANY

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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 1
CORE SPRAY SYSTEM
P & I D

BY	CHK'D	APPR'L
ECB	RLM	ASK

DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
BKN	LCF	10-502	HL-16331	A
DATE	SCALE: None			