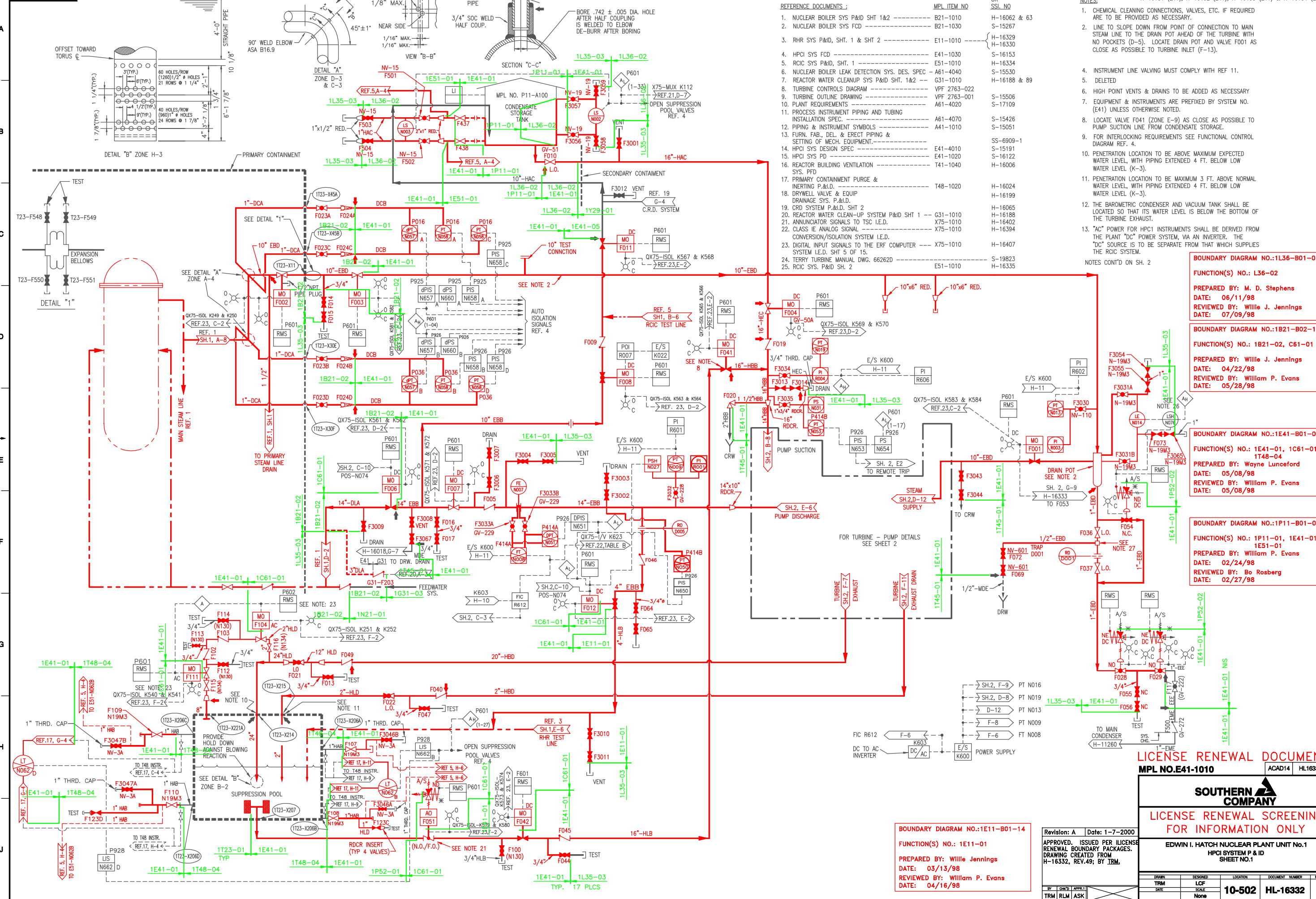


REFERENCE DOCUMENTS :

1. NUCLEAR BOILER SYS P&ID SHT 1&2	B21-1010	H-16062 & 63
2. NUCLEAR BOILER SYS FCD	B21-1030	S-15267
3. RHR SYS P&ID, SHT. 1 & SHT 2	E11-1010	H-16329 H-16330
4. HPCI SYS FCD	E41-1030	S-16153
5. RCIC SYS P&ID, SHT. 1	E51-1010	H-16334
6. NUCLEAR BOILER LEAK DETECTION SYS. DES. SPEC	A61-4040	S-15530
7. REACTOR WATER CLEANUP SYS P&ID SHT. 1&2	G31-1010	H-16188 & 89
8. TURBINE CONTROLS DIAGRAM	VPF 2763-022	S-15506
9. TURBINE OUTLINE DRAWING	VPF 2763-001	S-17109
10. PLANT REQUIREMENTS	A61-4020	S-15426
11. PROCESS INSTRUMENT PIPING AND TUBING INSTALLATION SPEC.	A61-4070	S-15051
12. PIPING & INSTRUMENT SYMBOLS	A41-1010	SS-6909-1
13. FURN. FAB., DEL. & ERECT PIPING & SETTING OF MECH. EQUIPMENT	E41-4010	S-15191
14. HPCI SYS DESIGN SPEC	E41-1020	S-16122
15. HPCI SYS PD	E41-1020	H-16006
16. REACTOR BUILDING VENTILATION SYS. PFD	T41-1040	H-16024
17. PRIMARY CONTAINMENT PURGE & INERTING P&ID.	T48-1020	H-16199
18. DRYWELL VALVE & EQUIP DRAINAGE SYS. P&ID.	H-16065	H-16188
19. CRD SYSTEM P&ID, SHT 2	H-16402	H-16394
20. REACTOR WATER CLEAN-UP SYSTEM P&ID SHT 1	G31-1010	H-16065
21. ANNUNCIATOR SIGNALS TO TSC I.E.D.	X75-1010	H-16402
22. CLASS IIE ANALOG SIGNAL CONVERSION/ISOLATION SYSTEM I.E.D.	X75-1010	H-16394
23. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYSTEM I.E.D. SHT 5 OF 15.	X75-1010	H-16407
24. TERRY TURBINE MANUAL DWG. 66262D	E51-1010	S-19823
25. RCIC SYS. P&ID SH. 2	E51-1010	H-16335

- NOTES:
- CHEMICAL CLEANING CONNECTIONS, VALVES, ETC. IF REQUIRED ARE TO BE PROVIDED AS NECESSARY.
 - LINE TO SLOPE DOWN FROM POINT OF CONNECTION TO MAIN STEAM LINE TO THE DRAIN POT AHEAD OF THE TURBINE WITH NO POCKETS (D-5). LOCATE DRAIN POT AND VALVE F001 AS CLOSE AS POSSIBLE TO TURBINE INLET (F-13).
 - INSTRUMENT LINE VALVING MUST COMPLY WITH REF 11.
 - DELETED
 - HIGH POINT VENTS & DRAINS TO BE ADDED AS NECESSARY
 - EQUIPMENT & INSTRUMENTS ARE PREFIXED BY SYSTEM NO. (E41) UNLESS OTHERWISE NOTED.
 - LOCATE VALVE F041 (ZONE E-9) AS CLOSE AS POSSIBLE TO PUMP SUCTION LINE FROM CONDENSATE STORAGE.
 - FOR INTERLOCKING REQUIREMENTS SEE FUNCTIONAL CONTROL DIAGRAM REF. 4.
 - PENETRATION LOCATION TO BE ABOVE MAXIMUM EXPECTED WATER LEVEL, WITH PIPING EXTENDED 4 FT. BELOW LOW WATER LEVEL (K-3).
 - PENETRATION LOCATION TO BE MAXIMUM 3 FT. ABOVE NORMAL WATER LEVEL, WITH PIPING EXTENDED 4 FT. BELOW LOW WATER LEVEL (K-3).
 - THE BAROMETRIC CONDENSER AND VACUUM TANK SHALL BE LOCATED SO THAT ITS WATER LEVEL IS BELOW THE BOTTOM OF THE TURBINE EXHAUST.
 - "AC" POWER FOR HPCI INSTRUMENTS SHALL BE DERIVED FROM THE PLANT "DC" POWER SYSTEM, VIA AN INVERTER. THE "DC" SOURCE IS TO BE SEPARATE FROM THAT WHICH SUPPLIES THE RCIC SYSTEM.
- NOTES CONT'D ON SH. 2



BOUNDARY DIAGRAM NO.: 1L36-B01-05
 FUNCTION(S) NO.: L36-02
 PREPARED BY: M. D. Stephens
 DATE: 06/11/98
 REVIEWED BY: Willie J. Jennings
 DATE: 07/09/98

BOUNDARY DIAGRAM NO.: 1B21-B02-13
 FUNCTION(S) NO.: 1B21-02, C61-01
 PREPARED BY: Willie J. Jennings
 DATE: 04/22/98
 REVIEWED BY: William P. Evans
 DATE: 05/28/98

BOUNDARY DIAGRAM NO.: 1E41-B01-01
 FUNCTION(S) NO.: 1E41-01, 1C61-01, 1T48-04
 PREPARED BY: Wayne Luncford
 DATE: 05/08/98
 REVIEWED BY: William P. Evans
 DATE: 05/08/98

BOUNDARY DIAGRAM NO.: 1P11-B01-02
 FUNCTION(S) NO.: 1P11-01, 1E41-01, 1E51-01
 PREPARED BY: William P. Evans
 DATE: 02/24/98
 REVIEWED BY: Bo Rosberg
 DATE: 02/27/98

BOUNDARY DIAGRAM NO.: 1E11-B01-14
 FUNCTION(S) NO.: 1E11-01
 PREPARED BY: Willie Jennings
 DATE: 03/13/98
 REVIEWED BY: William P. Evans
 DATE: 04/16/98

LICENSE RENEWAL DOCUMENT
 MPL NO. E41-1010 ACAD14 HL16332

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

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

APPROVED	ISSUED PER LICENSE RENEWAL BOUNDARY PACKAGES.	DATE: 03/13/98
DRAWING CREATED FROM	H-16332, REV.49; BY IRM.	

REVISION	DATE	1-7-2000
APPROVED	DATE	03/13/98
DRAWING CREATED FROM	DATE	03/13/98
BY	CHKD	APPRD
TRM	RLM	ASK

DRWN	TRM	DESIGNED	LCF	LOCATION	DOCUMENT NUMBER	REVISION
			None	10-502	HL-16332	A