



BOUNDARY DIAGRAM NO.: 1E51-B01-01
FUNCTION(S) NO.: 1E51-01, 1C61-01, 1T23-01
PREPARED BY: Wayne N. Lunceford
DATE: 05/08/98
REVIEWED BY: William P. Evans
DATE: 05/08/98

BOUNDARY DIAGRAM NO.: 1P11-B01-03
FUNCTION(S) NO.: 1P11-01, 1E41-01, 1E51-01
PREPARED BY: William P. Evans
DATE: 02/27/98
REVIEWED BY: Bo Rosberg
DATE: 02/27/98

BOUNDARY DIAGRAM NO.: 1E11-B01-05
FUNCTION(S) NO.: 1E11-01
PREPARED BY: Willie J. Jennings
DATE: 2/2/98
REVIEWED BY: William P. Evans
DATE: 4/6/98

BOUNDARY DIAGRAM NO.: 1B21-B02-08
FUNCTION(S) NO.: 1B21-02, 04, 1C61-01
PREPARED BY: Willie J. Jennings
DATE: 04/22/98
REVIEWED BY: William P. Evans
DATE: 05/28/98

BOUNDARY DIAGRAM NO.: 1E41-B01-04
FUNCTION(S) NO.: 1E41-01
PREPARED BY: Wayne Lunceford
DATE: 06/30/98
REVIEWED BY: William P. Evans
DATE: 07/08/98

- NOTES**
- CHEMICAL CLEANING CONNECTIONS, VALVES, ETC. IF REQUIRED, ARE TO PROVIDED AS NECESSARY.
 - SLOPE STEAM LINE DOWN ALL THE WAY FROM MAIN STEAM LINE TO DRAIN POT JUST AHEAD OF TURBINE.
 - DELETED
 - INSTRUMENT LINE VALVING MUST COMPLY WITH INSTRUMENT PIPING STANDARDS.
 - DELETED
 - EQUIPMENT VENT & DRAIN QUANTITIES SHOWN ARE TO BE MODIFIED TO AGREE WITH VPF DATA FOR ACTUAL EQUIPMENT PURCHASED. PIPING HIGH POINT VENTS & LOW POINT DRAINS TO BE ADDED AS NECESSARY.
 - EQUIPMENT AND INSTRUMENTS ARE PREFIXED BY MPL. NO. E51, UNLESS OTHERWISE NOTED.
 - LOCATE VALVE F029 (ZONE D-8) AS CLOSE AS POSSIBLE TO PUMP SUCTION LINE FROM CONDENSATE STORAGE.
 - REQUIRED TOTAL RESERVE STORAGE FOR RCIC SYS. AND HPCI SYS. 100,000 GAL. THIS AMOUNT OF STORAGE SHALL BE CAPABLE OF BEING ISOLATED FROM SERVING OTHER SYSTEMS.
 - "A-C" POWER FOR RCIC INSTRUMENTS SHALL BE DERIVED FROM A "D-C" SOURCE SEPARATE FROM THAT WHICH SUPPLIES THE HPCI SYSTEM.
 - FOR INTERLOCKING REQUIREMENTS AND AUTO VALVE ACTUATION SEE FUNCTIONAL CONTROL DIAGRAM, REF. 2.
- NOTES CONT'D ON SH. 2.

REFERENCES

REF. DOCUMENTS	MPL ITEM NO.	BECHTEL OR S.S.I. NO.
1. NUCLEAR BOILER SYS. P&ID SHTS 1&2	B21-1010	H-16062 & 63
2. NUCLEAR BOILER SYS. FCD	B21-1030	S-15267
3. RHR SYS. P&ID	E11-1010	H-16329
4. HPCI SYS. P&ID	E41-1010	H-16332
5. RCIC SYS. FCD	E51-1030	S-15581
6. NUCLEAR BOILER LEAK DETECTION SYS. DESIGN SPEC.	A61-4040	S-15530
7. RWOW SYS. P&ID SHTS. 1&2	G31-1010	H-16188-89
8. PIPING & INSTRUMENT SYMBOLS	A41-1010	S-15051
9. PROCESS INSTRUMENT PIPING AND TUBING INSTALLATION SPEC.	A61-4070	S-15426
10. PLANT REQUIREMENTS	A61-4020	S-17109
11. TURBINE CONTROL DWG.	VPF 2757-014	
12. FURN., FAB & DEL OF PIPING SETTING OF MECH EQUIP.	SS-6909-1	
13. TURBINE OUTLINE	E51-C002	S-15496
14. HPCI SYS. FCD	E41-1030	S-16153
15. REACTOR & RADWASTE BUILDINGS CONDENSATE STORAGE & TRANSFER SYS. DIAGRAM	P11-1010	H-16016
16. DRYWELL VALVE & EQUIP DRAINAGE SYS. P&ID		H-16199
17. PRIMARY CONTAINMENT PURGE AND INERTING SYS P&ID	T48-1020	H-16024
18. CLASS IE ANALOG SIGNAL CONVERSION/ISOLATION SYS I.E.D.	X75-1010	H-16394
19. ANNUNCIATOR SIGNALS TO TSC I.E.D.	X75-1010	H-16402
20. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYSTEM I.E.D. SHEET 5 OF 15	X75-1010	H-16407
21. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYSTEM I.E.D. SHEET 6 OF 15	X75-1010	H-16408
22. HPCI SYSTEM P&ID SHT. No.2	E41-1010	H-16333
23. REACTOR & RADWASTE BLDG. AUX. STEAM P&ID	H-16278	

LEGEND
 FIC - FLOW INDICATING CONTROLLER

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

DATE	SCALE	LOCATION	DRAWING NUMBER	REVISION
10-502	None		HL-16334	0

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