

Appendix 10B. Figures

Figure 10-1. Heat Balance-Valves Wide Open

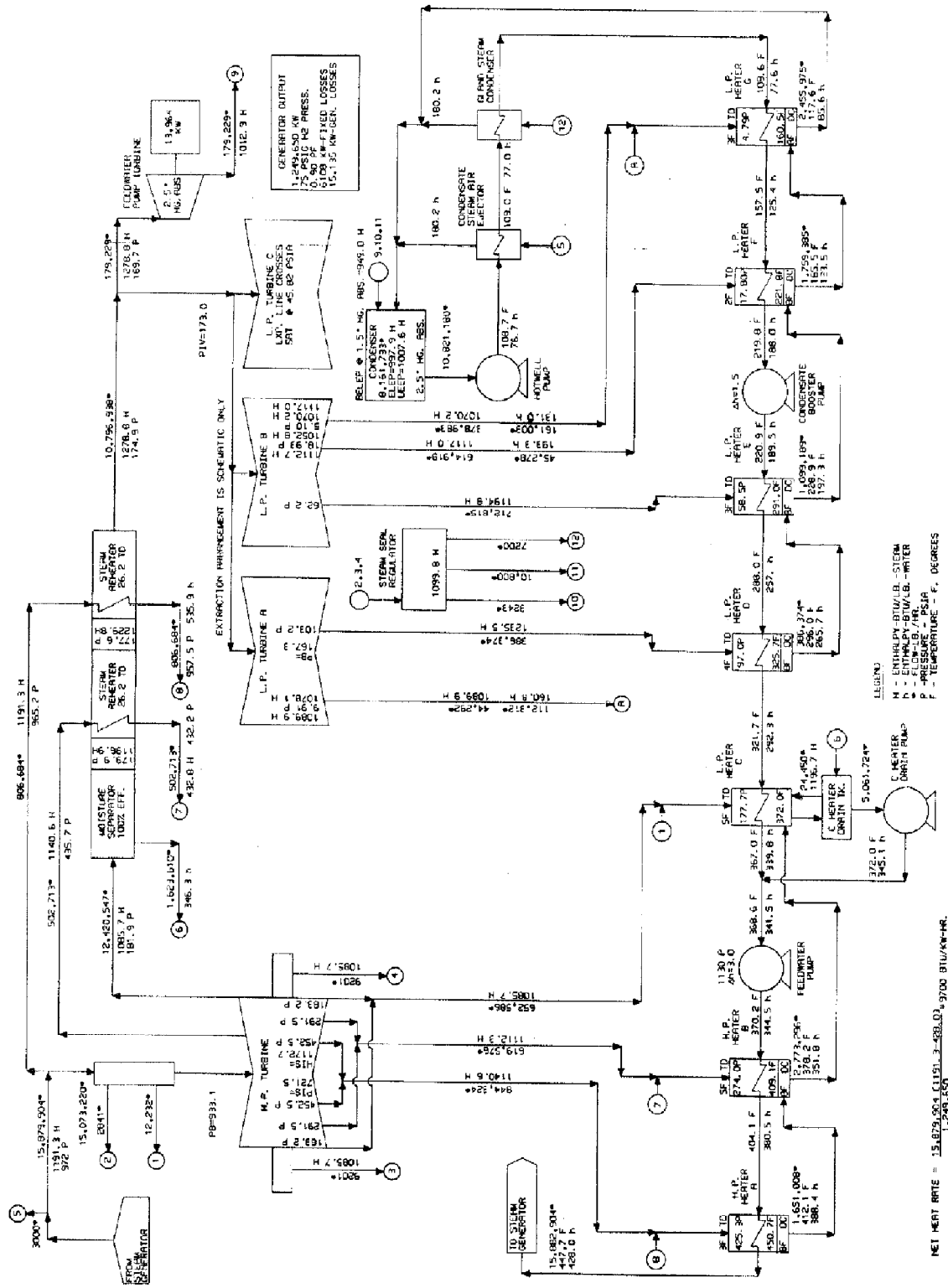
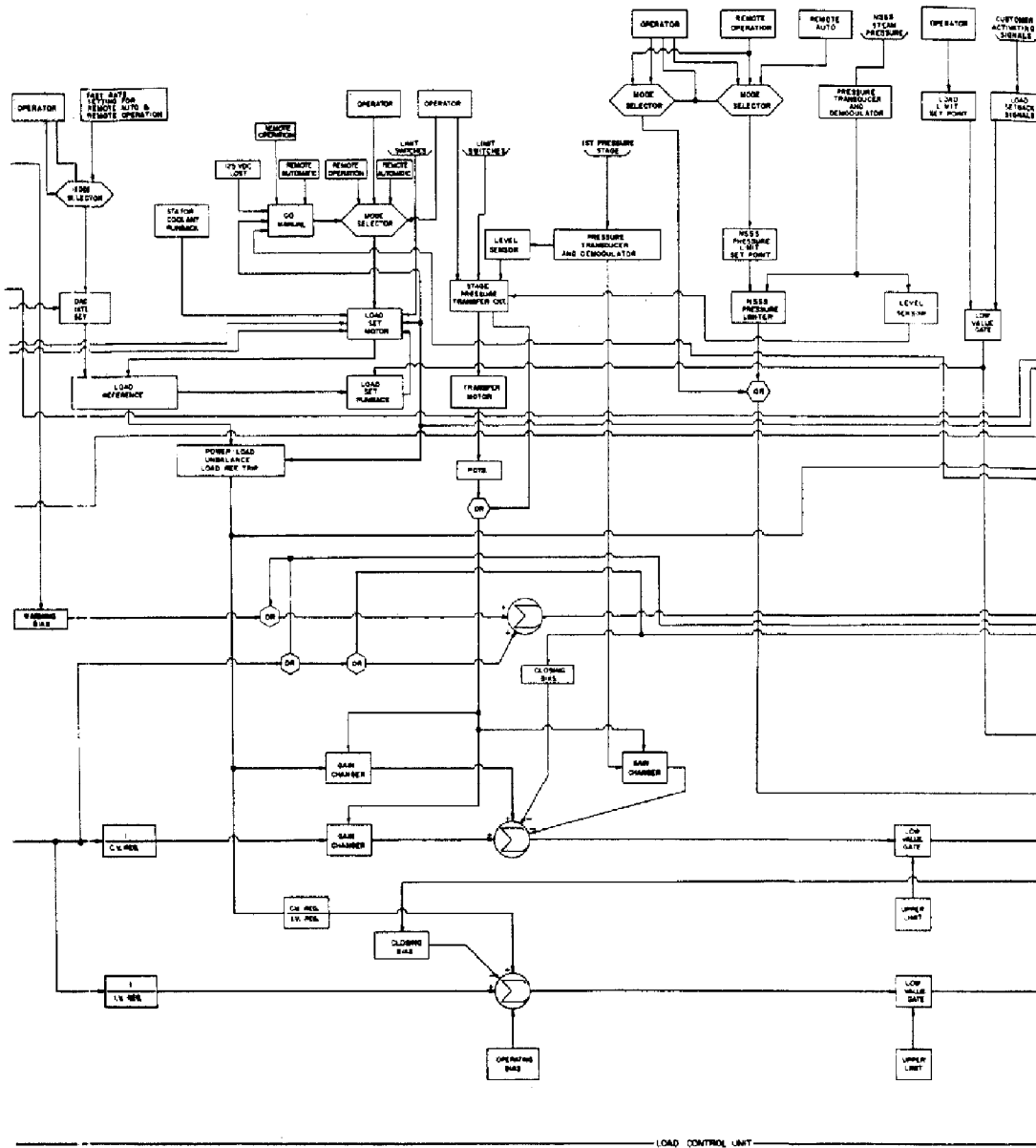
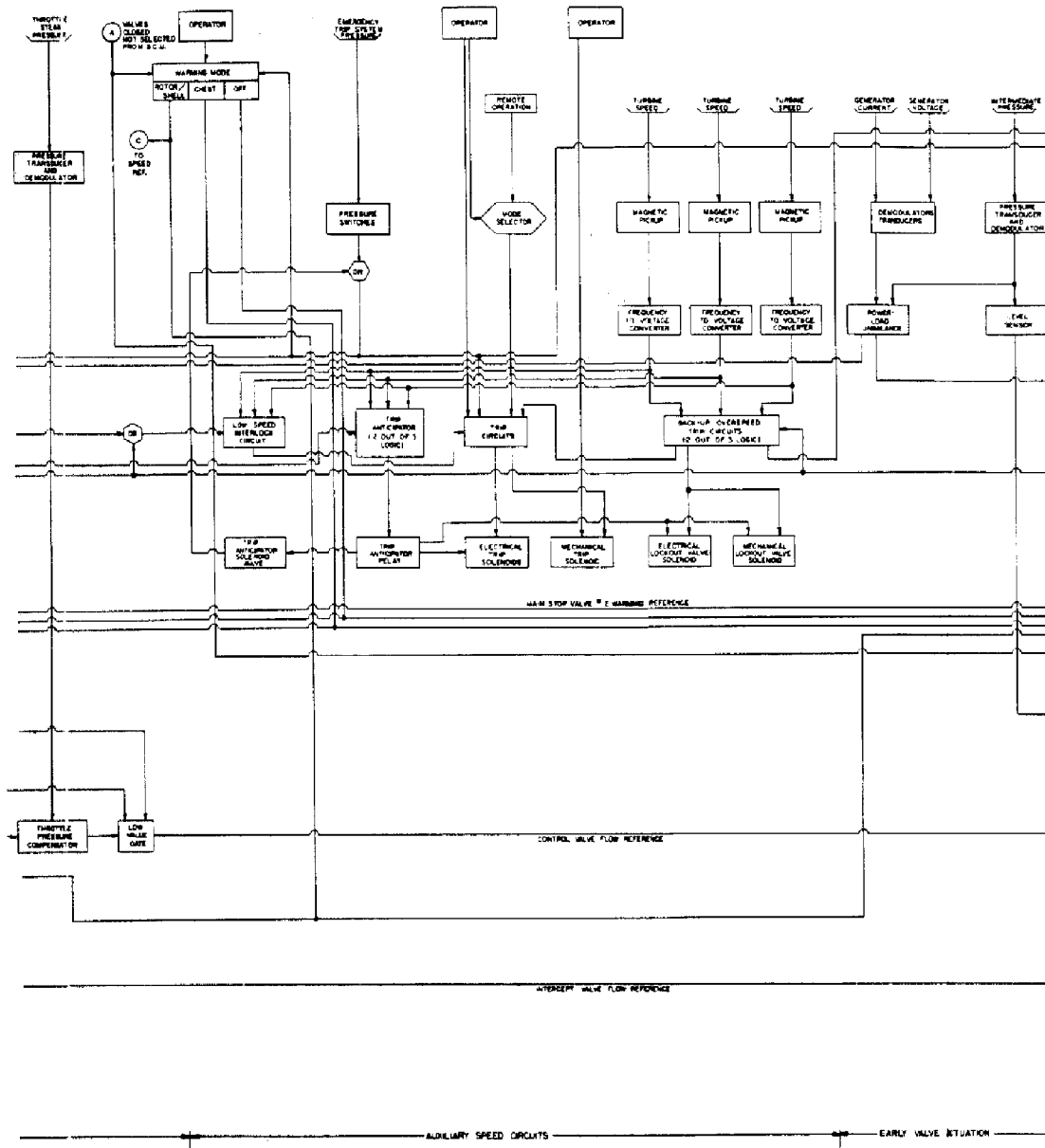
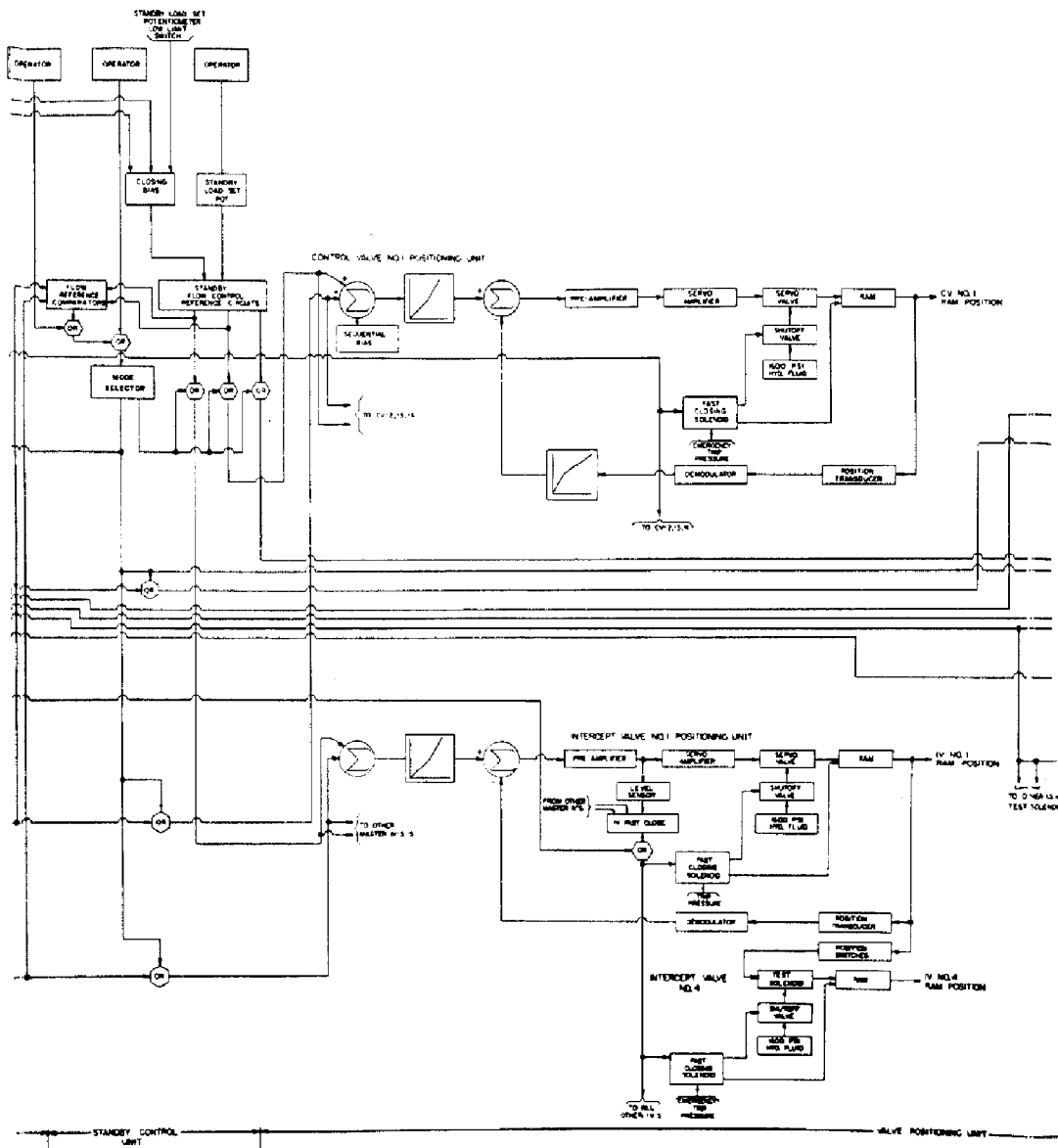


Figure 10-2. Deleted Per 2016 Update

Figure 10-3. Block Diagram of Control System (PWR)







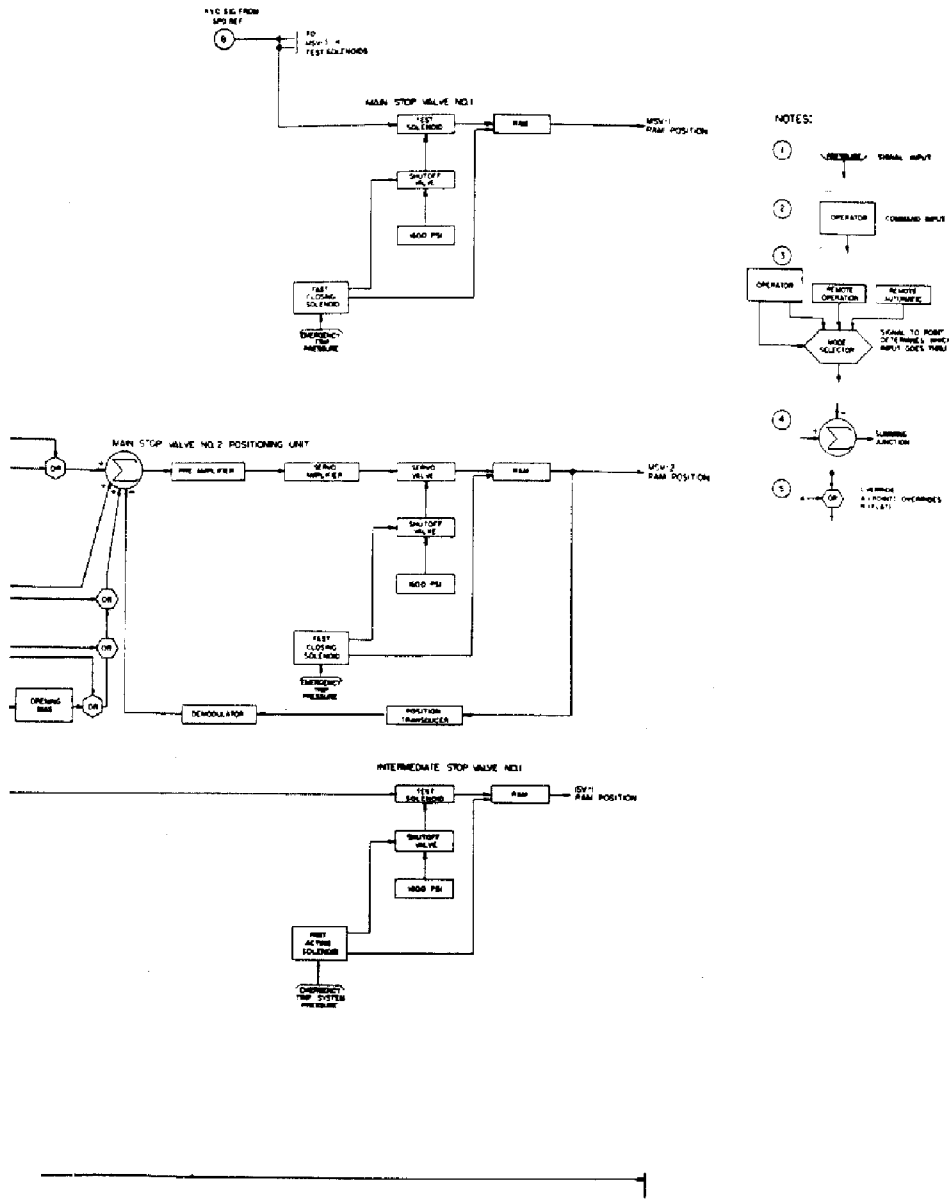


Figure 10-4. Flow Diagram of Hydrogen Bulk Storage System(ES)

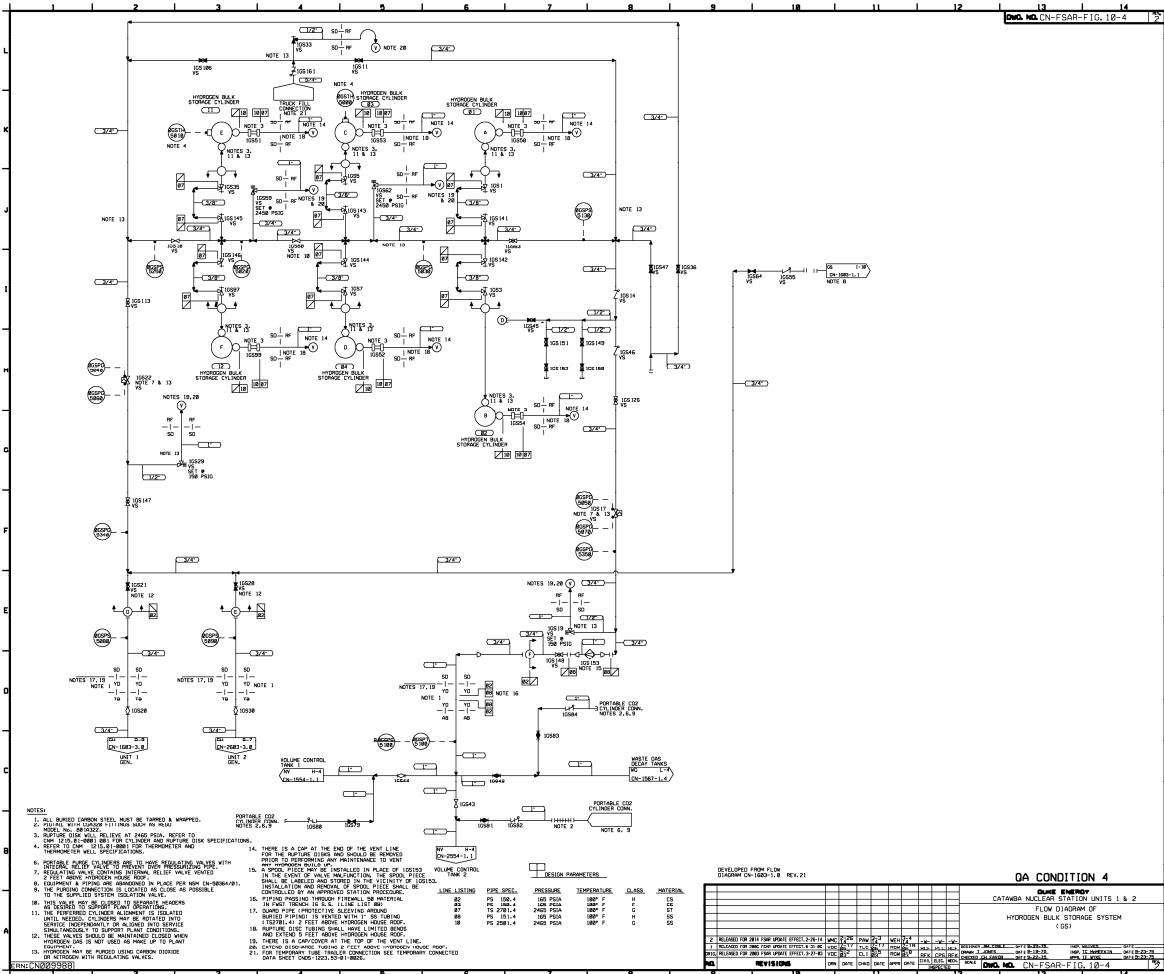


Figure 10-5. Flow Diagram of Main Steam System-Main Steam Vent to ATMOS

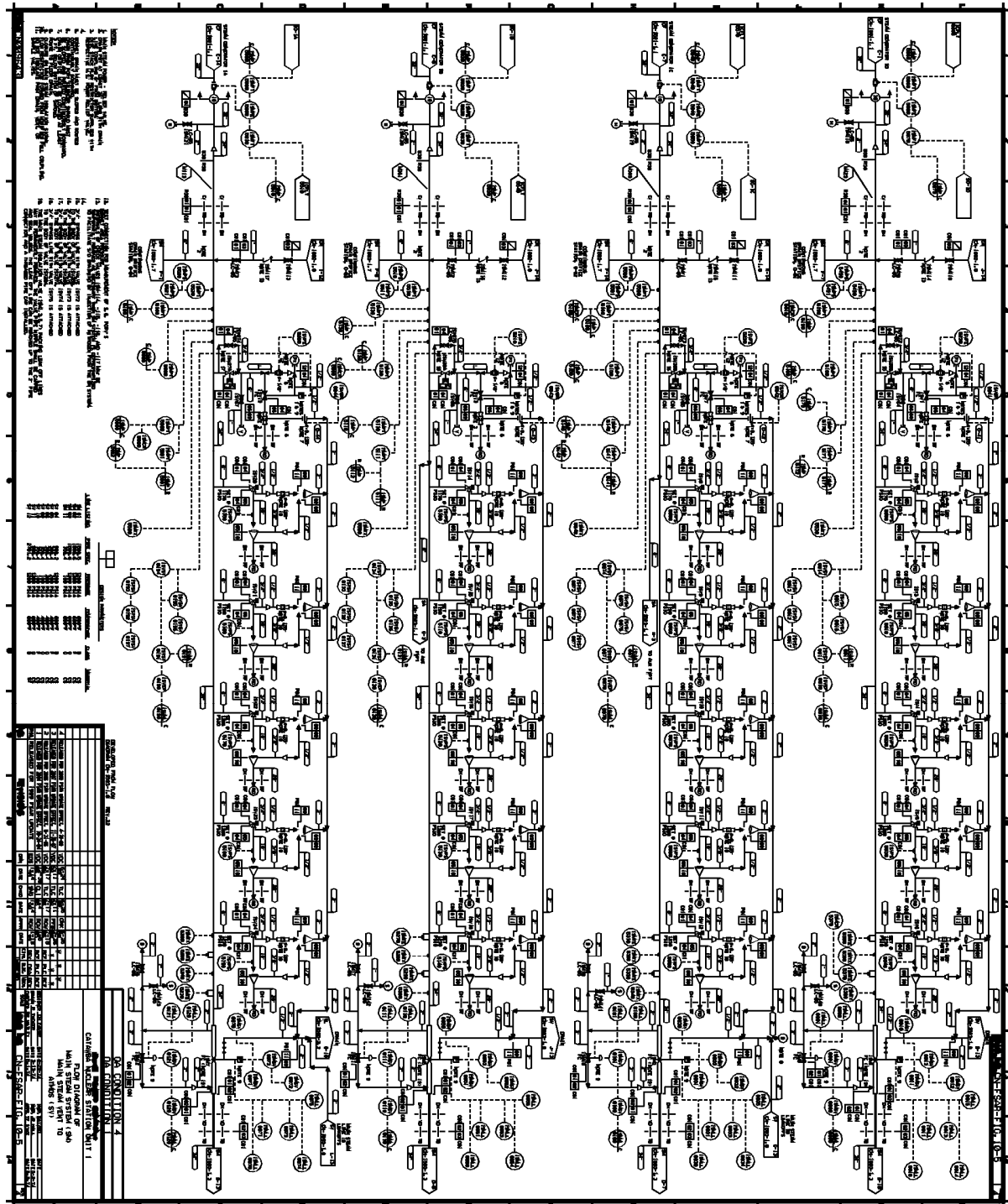


Figure 10-6. Flow Diagram of Main Steam to Auxiliary Equipment - Main Steam Bypass to Condenser

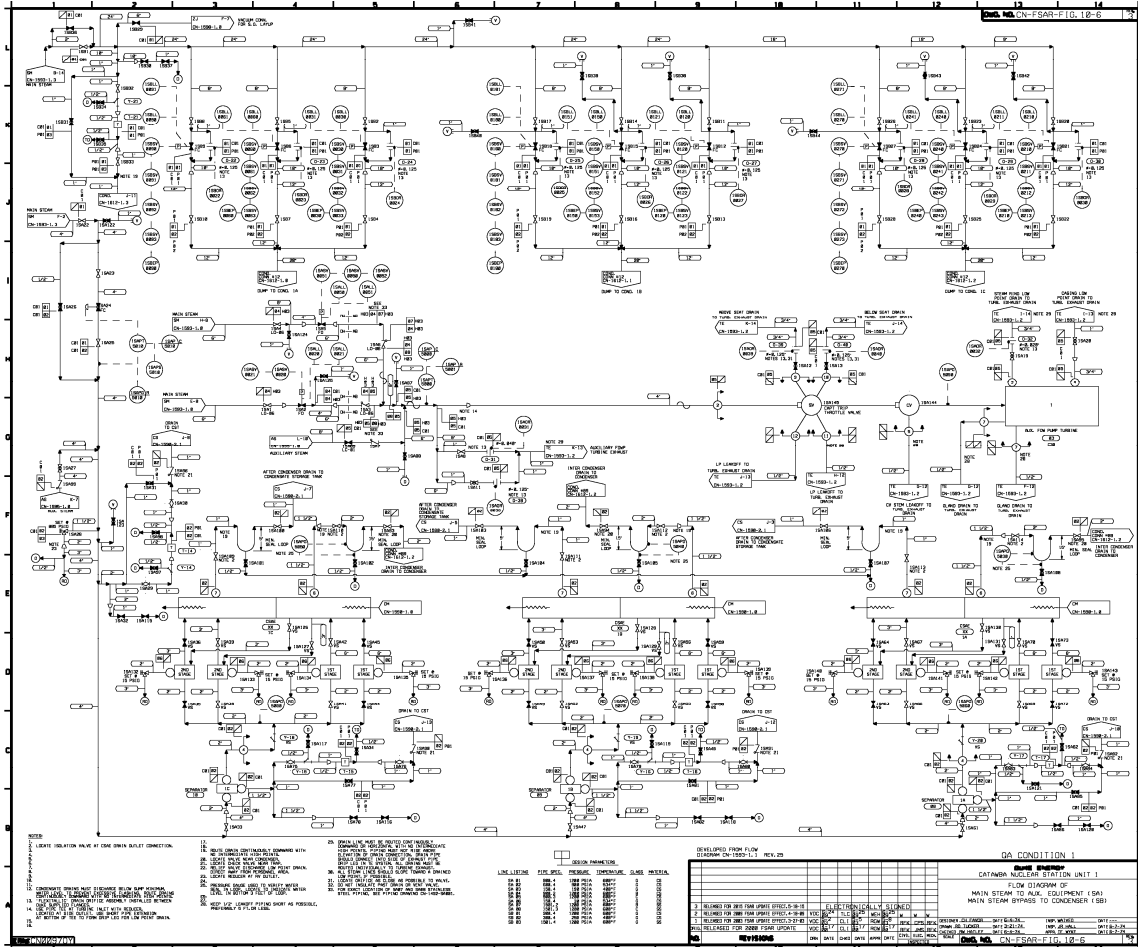


Figure 10-7. Flow Diagram of FDWP Turbine Exhaust

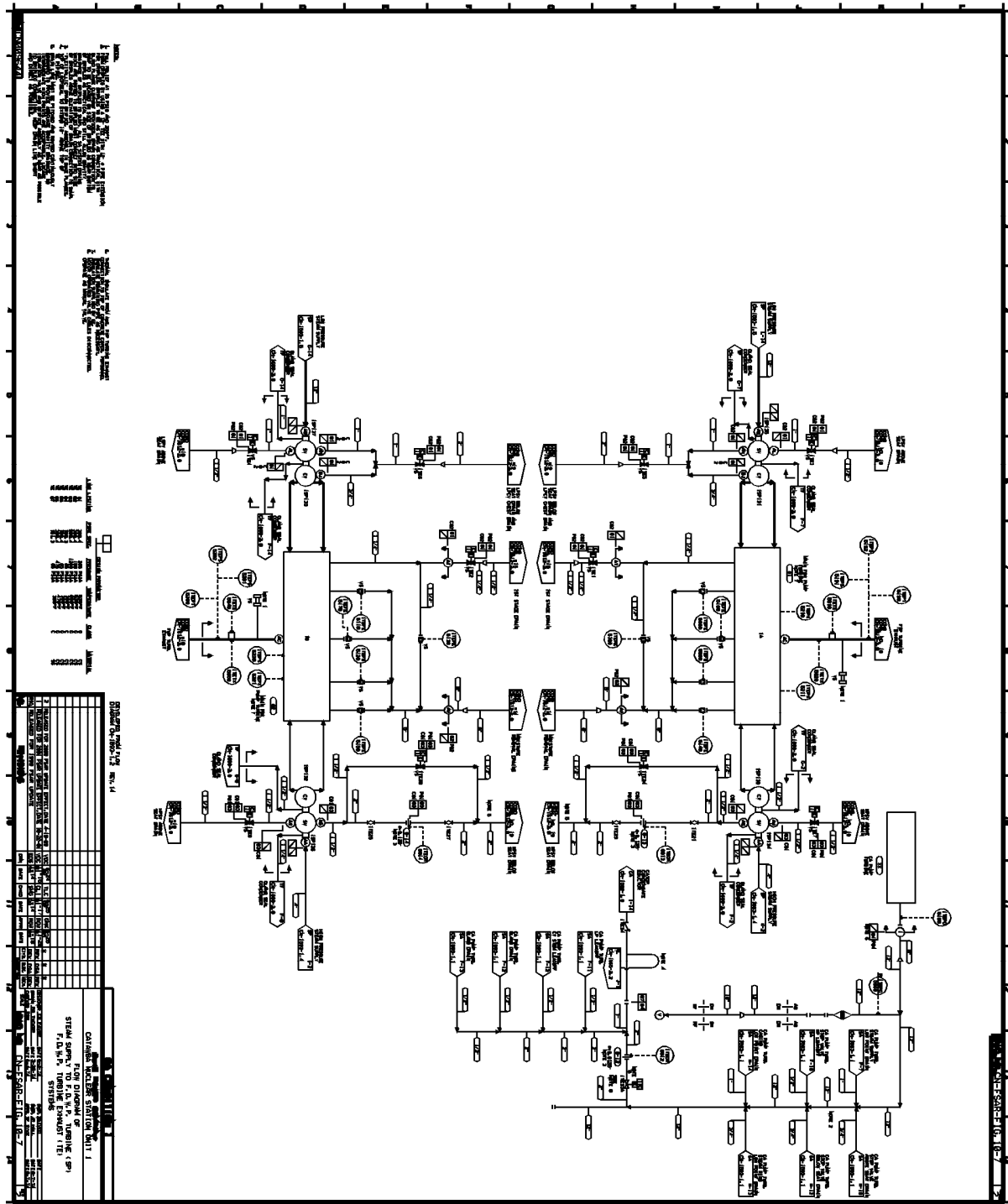


Figure 10-8. Flow Diagram of Main Steam System

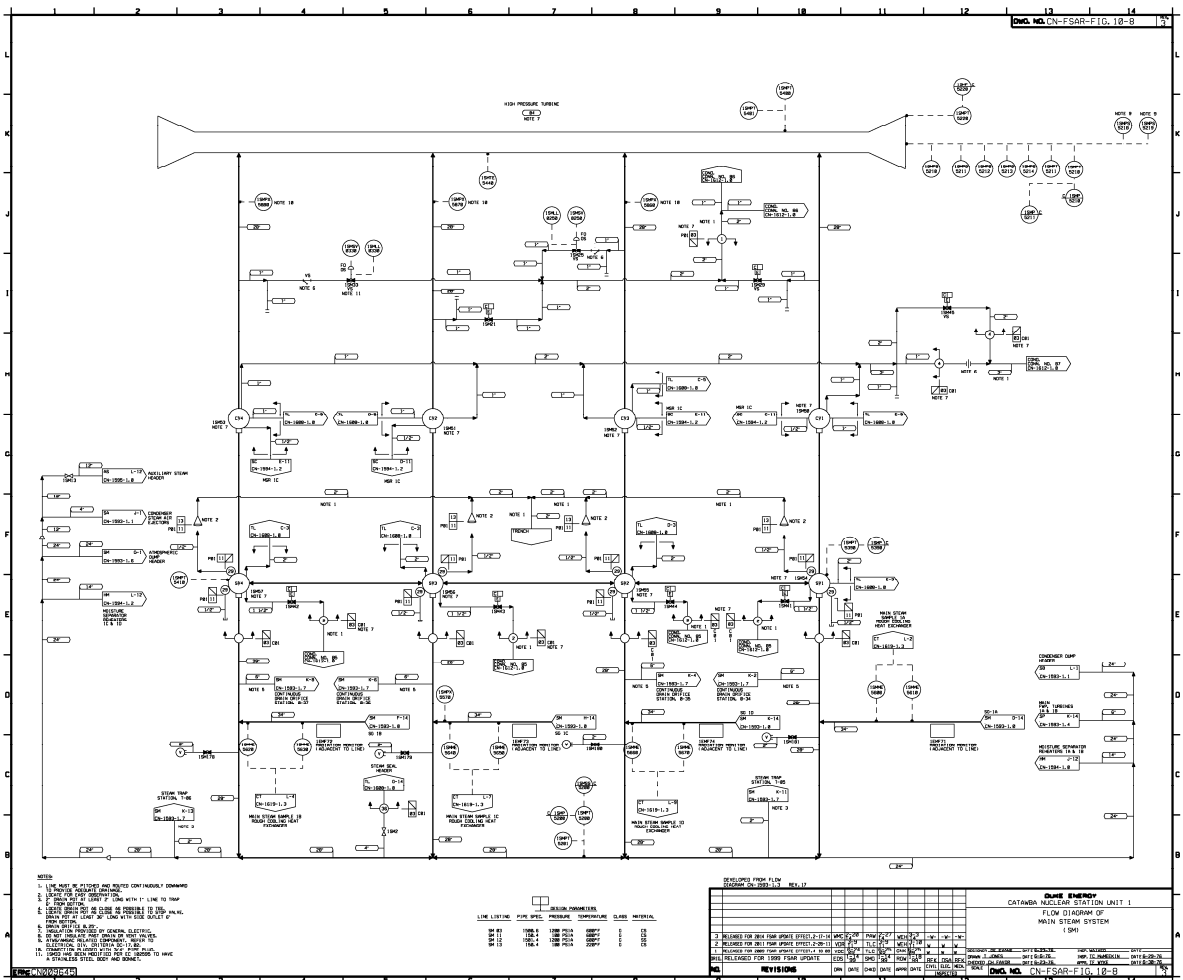


Figure 10-9. Flow Diagram of Steam Supply to FWP Turbine System

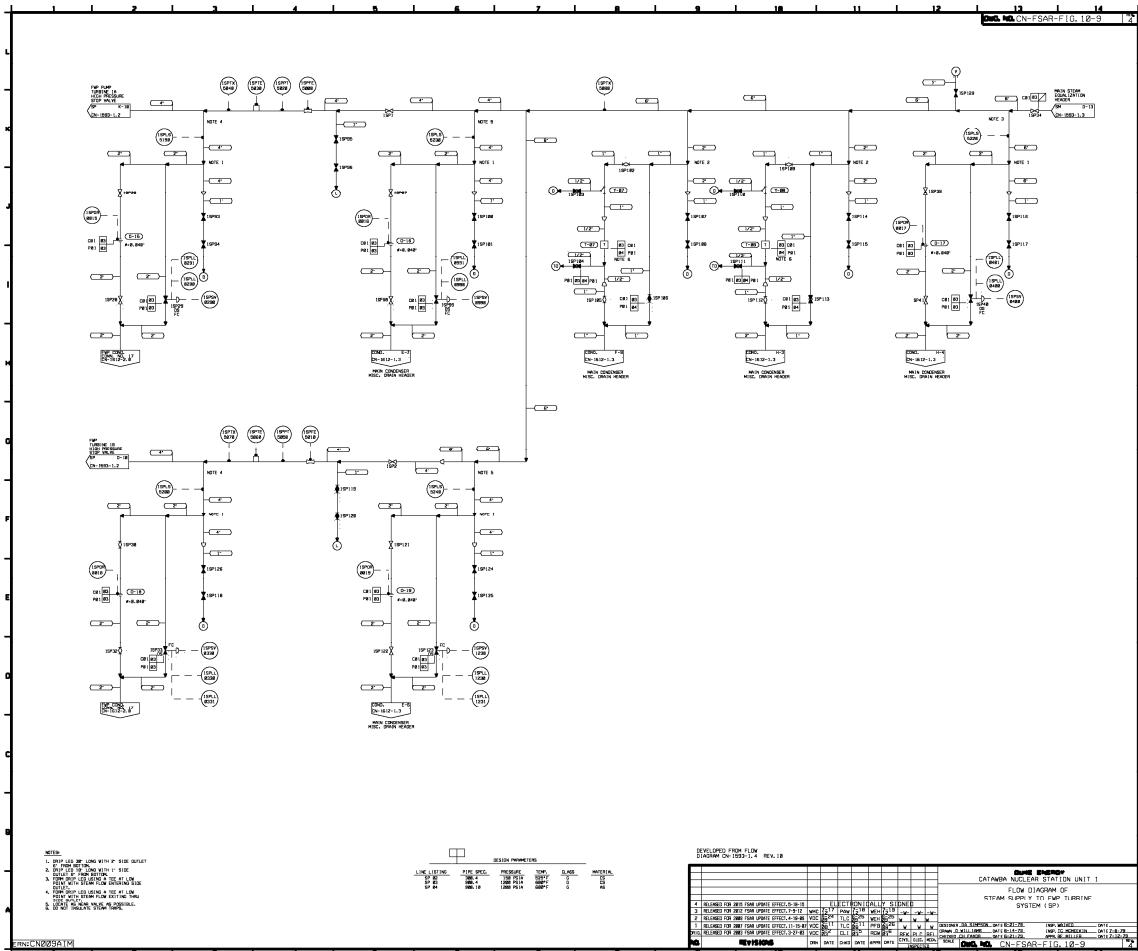


Figure 10-10. Flow Diagram of Steam Supply to FWP Turbine System

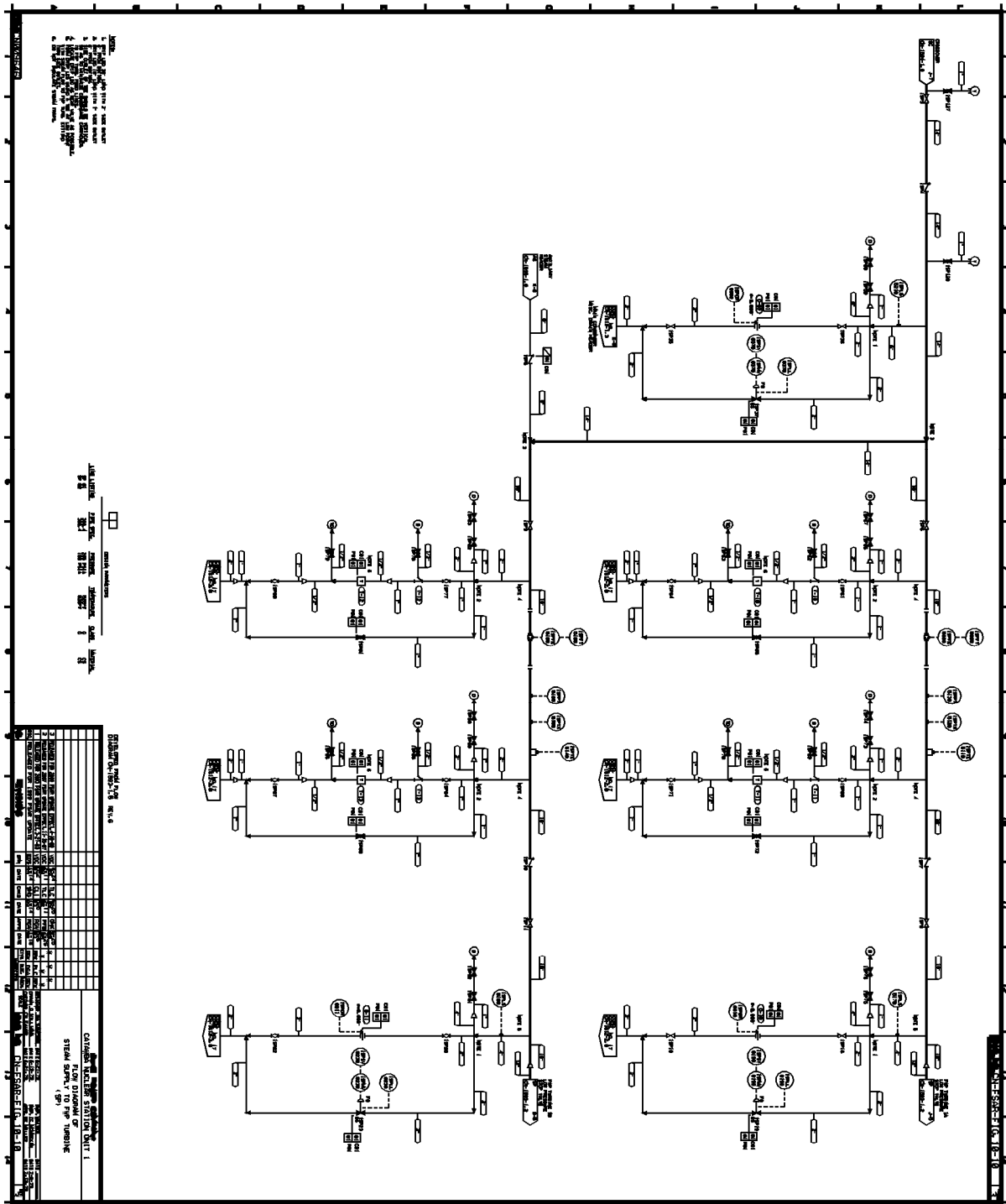


Figure 10-11. Flow Diagram of Main Steam System - Main Steam to Atmosphere System

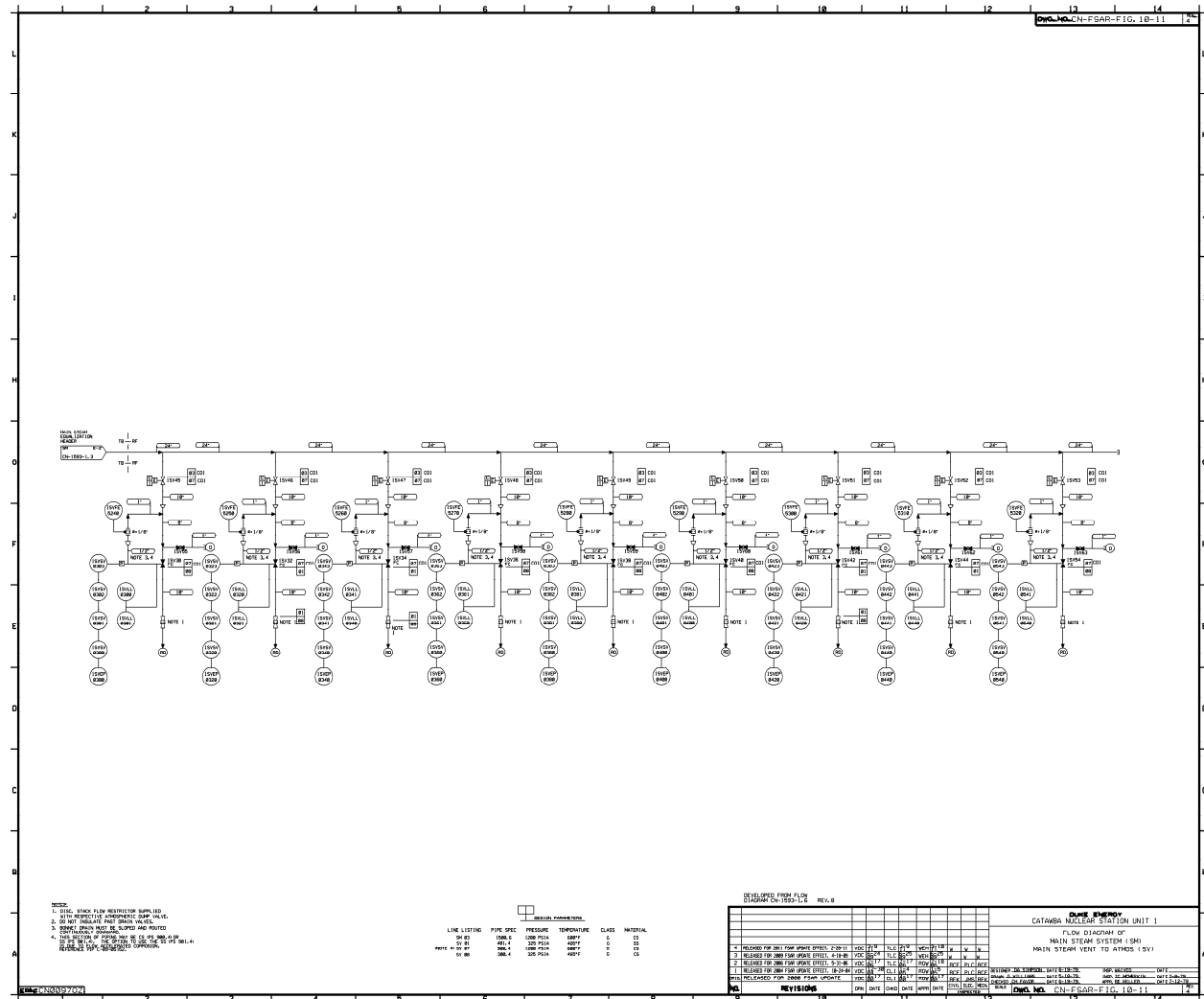


Figure 10-12. Flow Diagram of Main Steam System

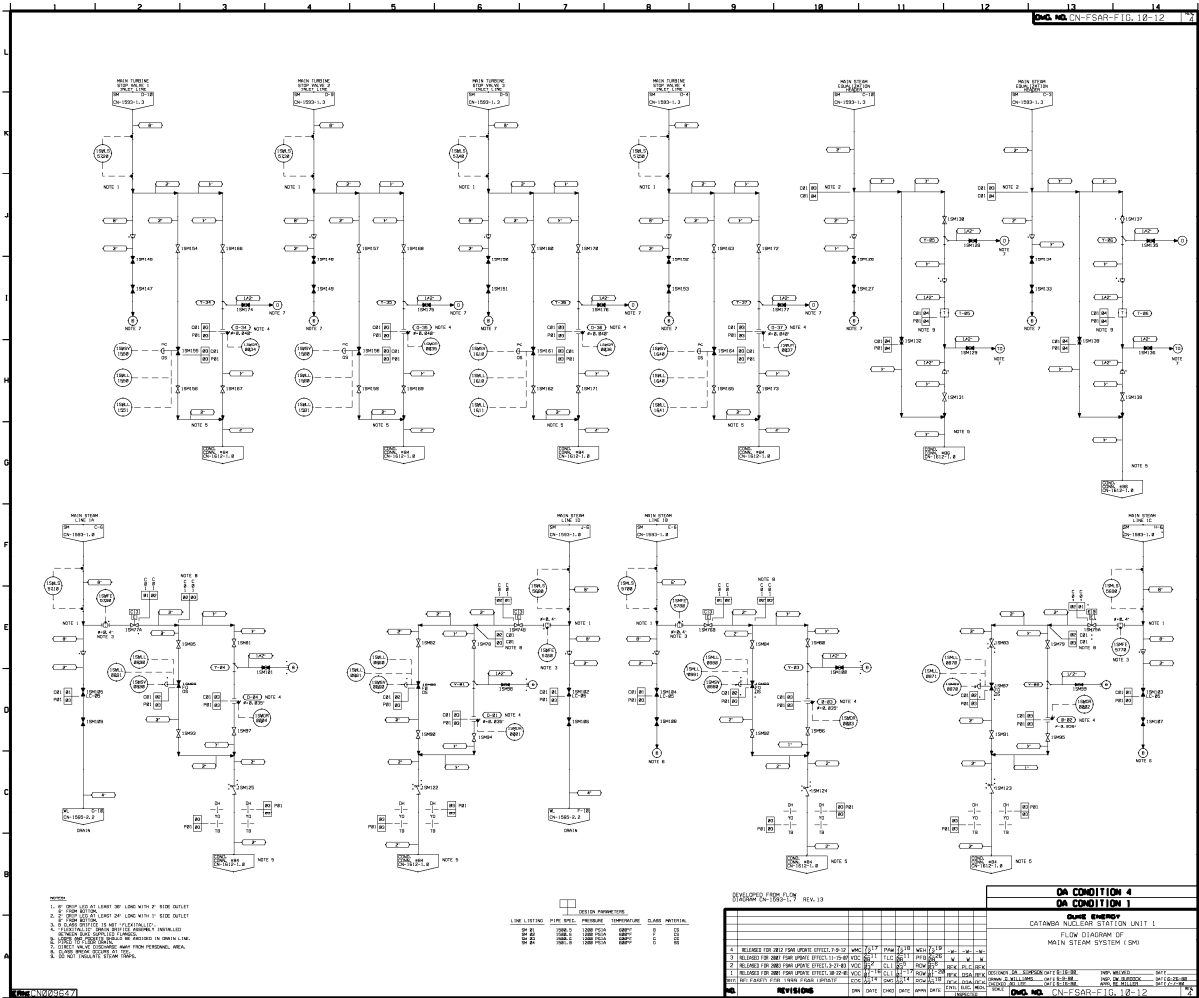


Figure 10-13. Flow Diagram of Condenser Steam Air Ejection System

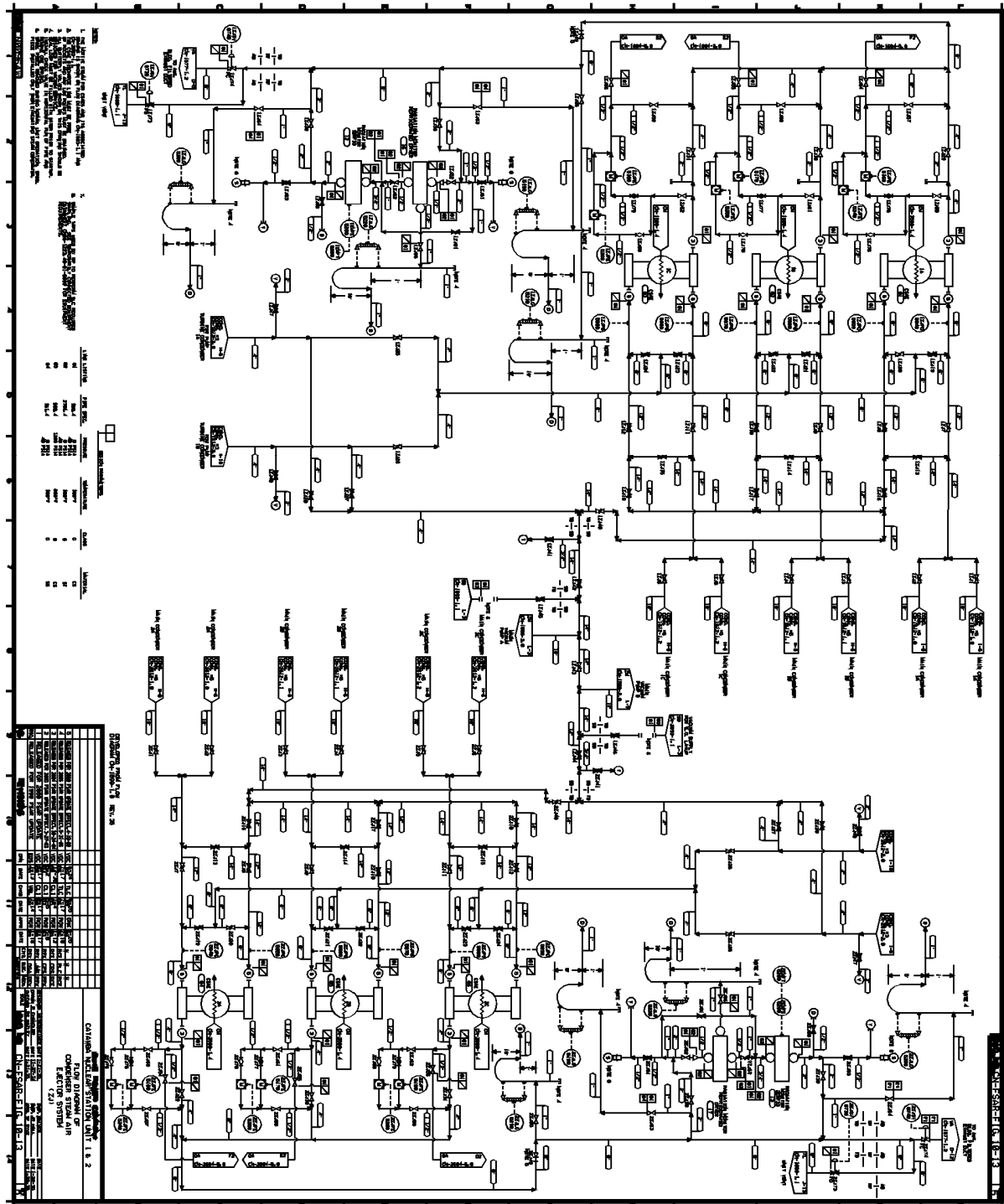


Figure 10-14. Flow Diagram of Main Vacuum System

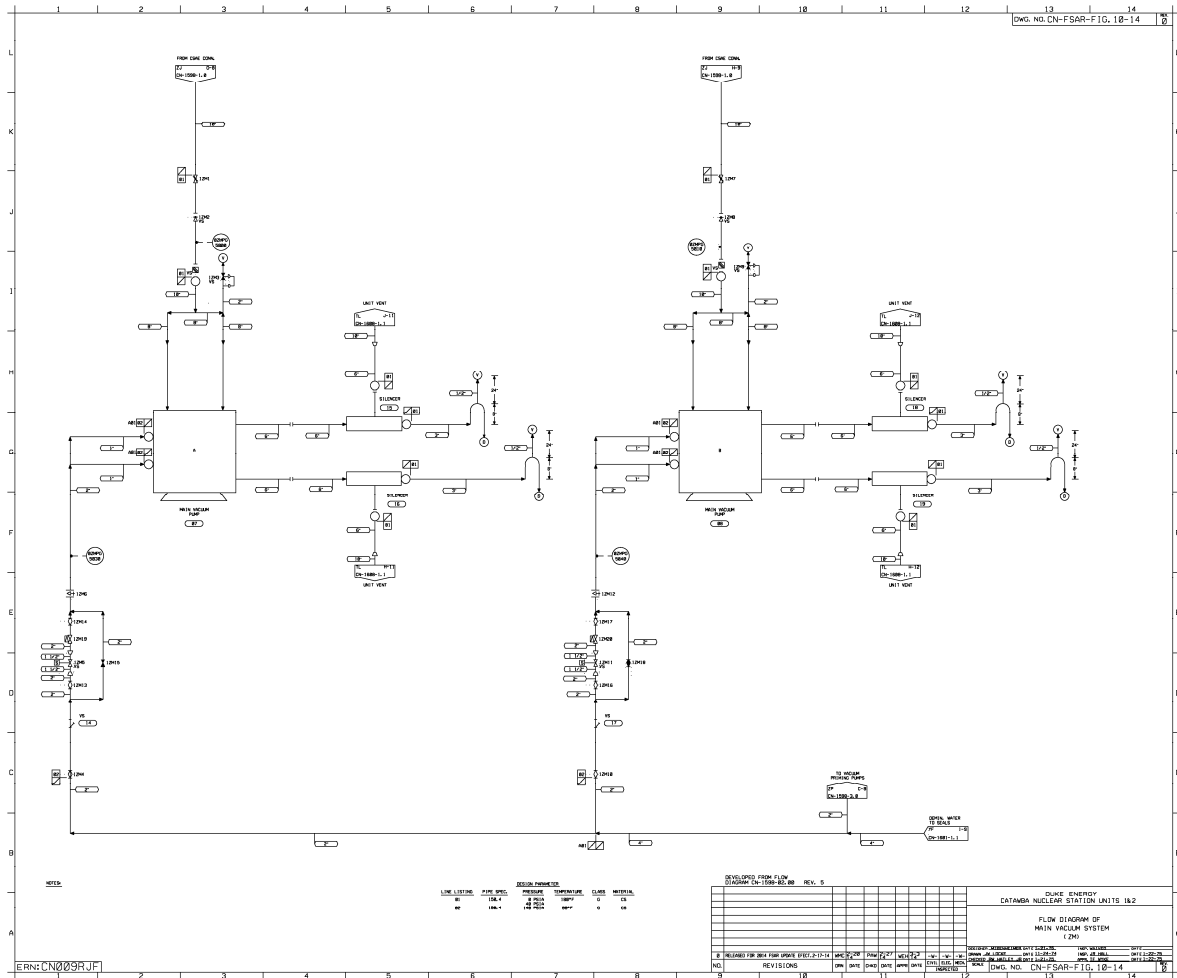


Figure 10-15. Flow Diagram of Main Turbine Leakoff & Steam Seal System

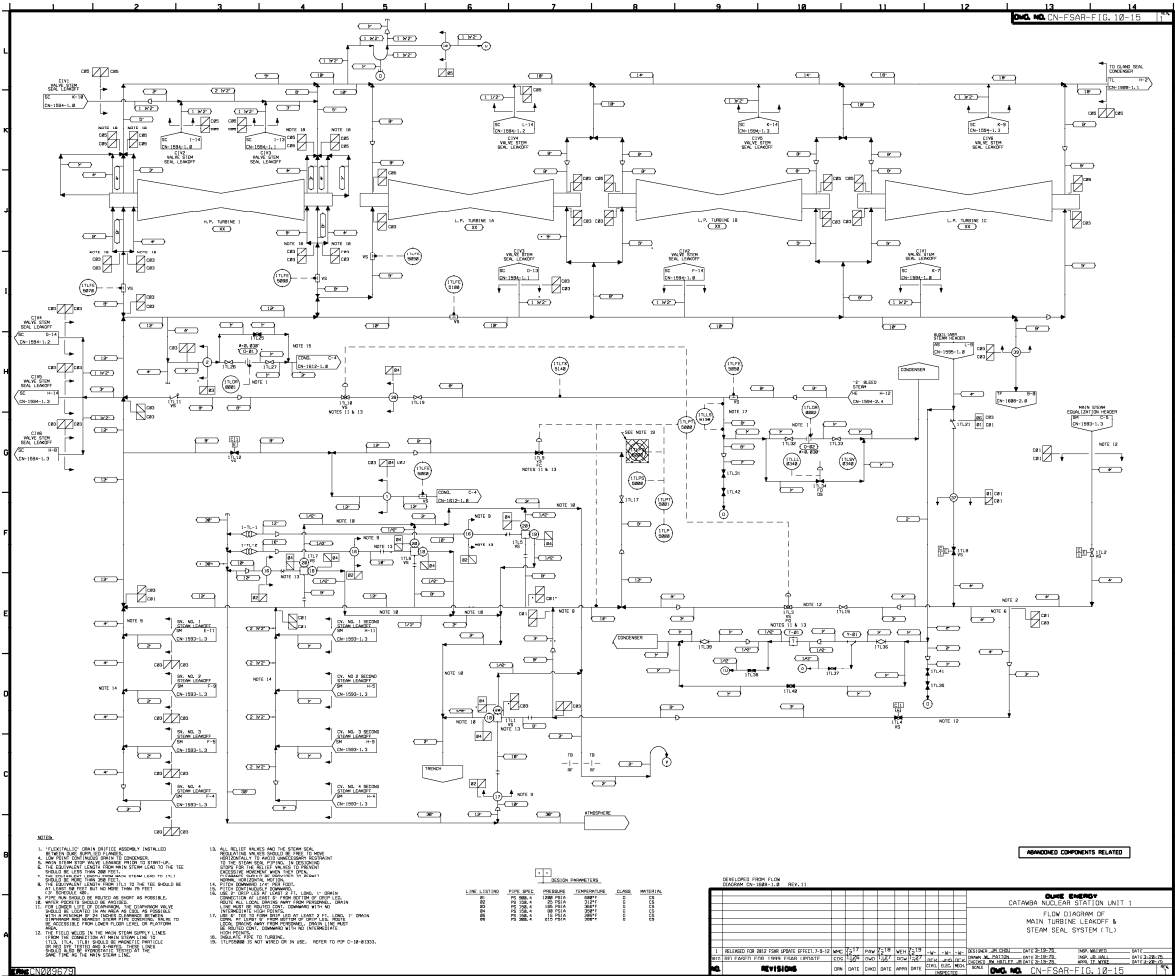


Figure 10-16. Flow Diagram of Main Turbine Leakoff and Steam Seal System

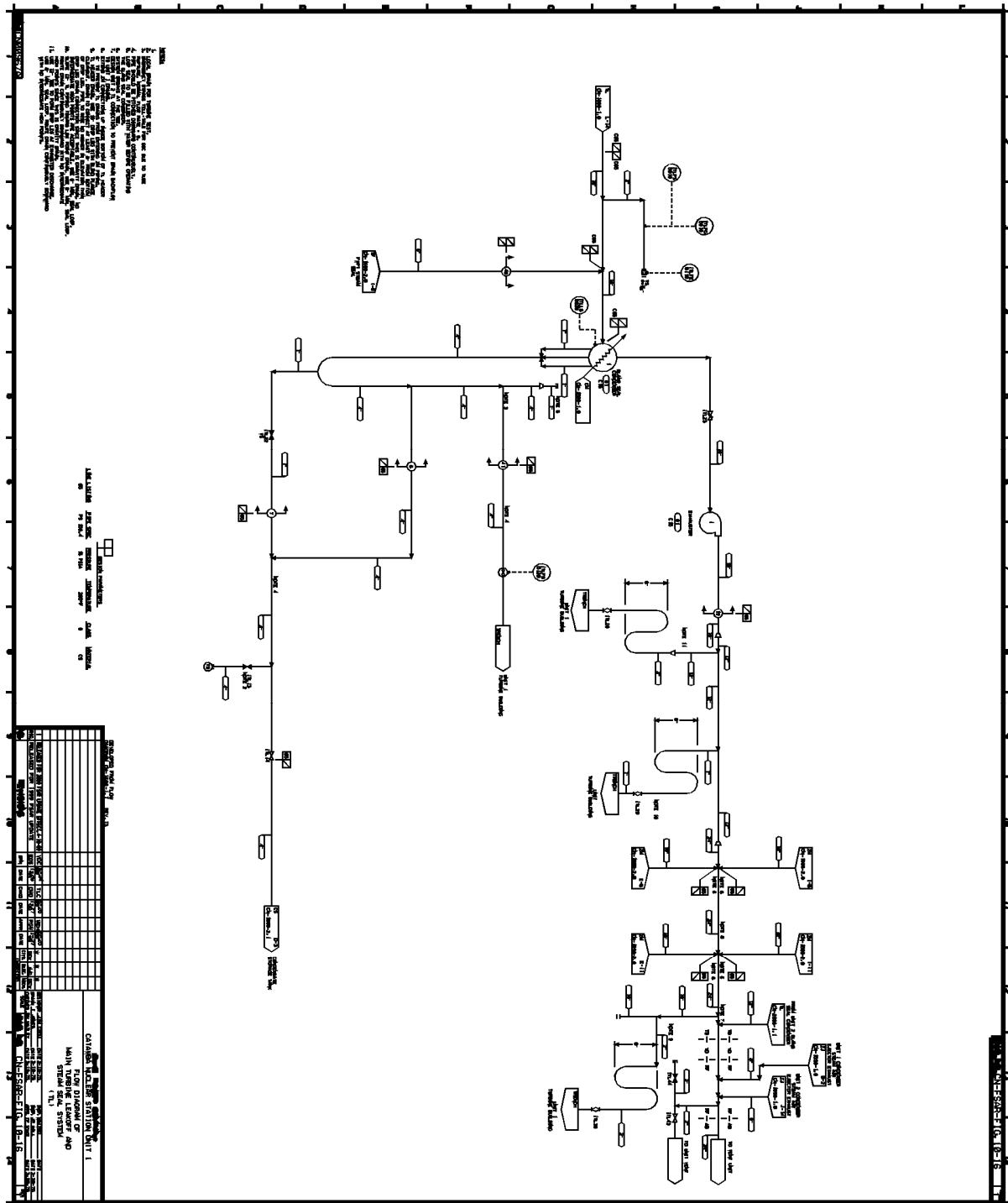


Figure 10-18. Flow Diagram of Condensate System

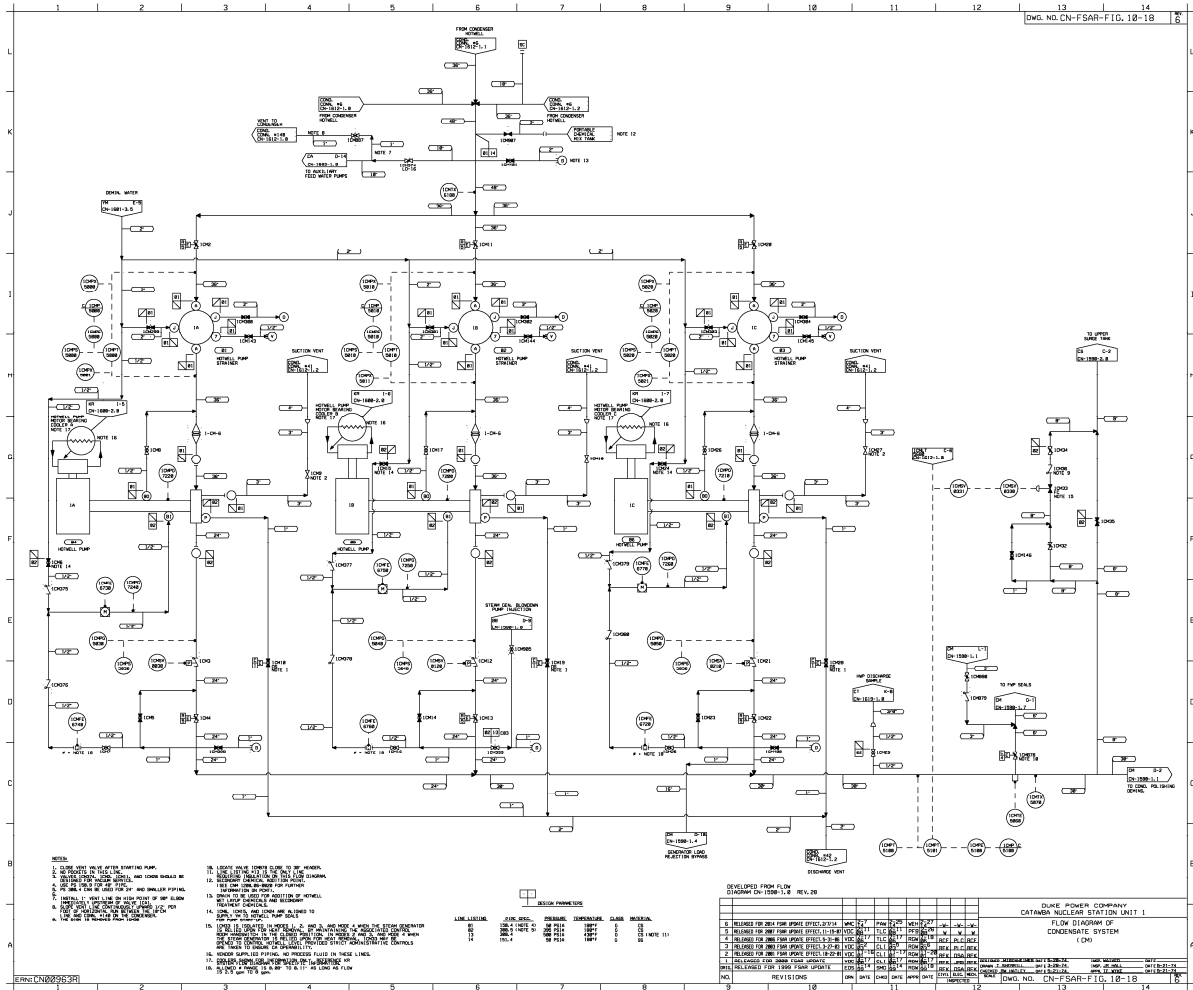


Figure 10-19. Flow Diagram of Condensate System

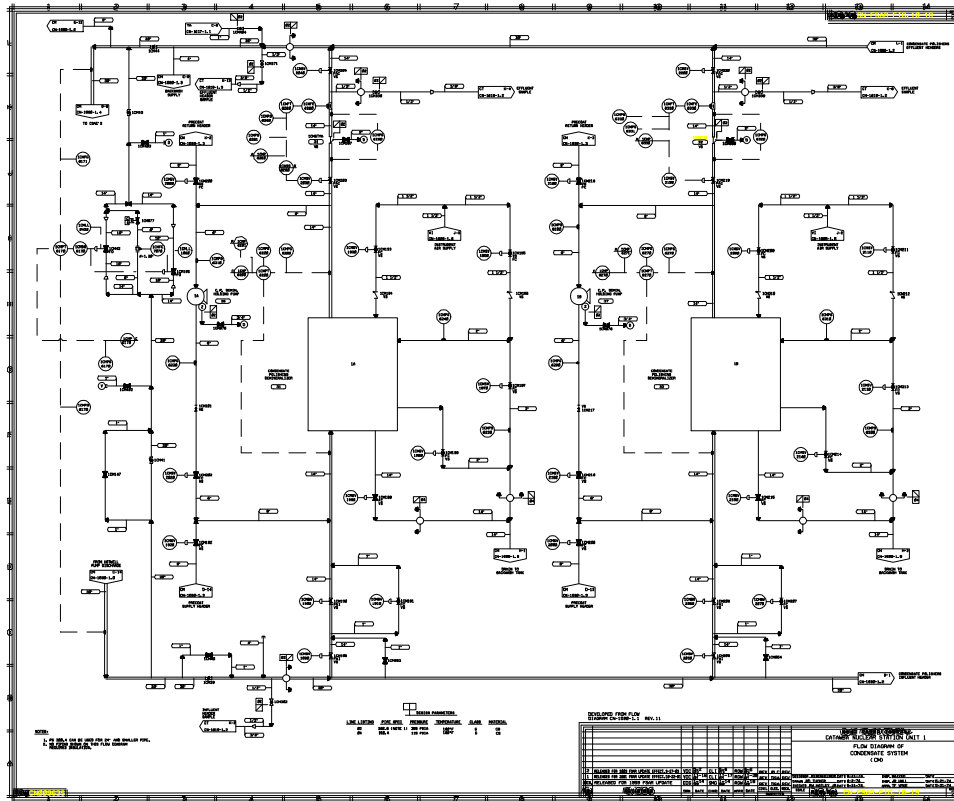


Figure 10-21. Flow Diagram of Condensate System

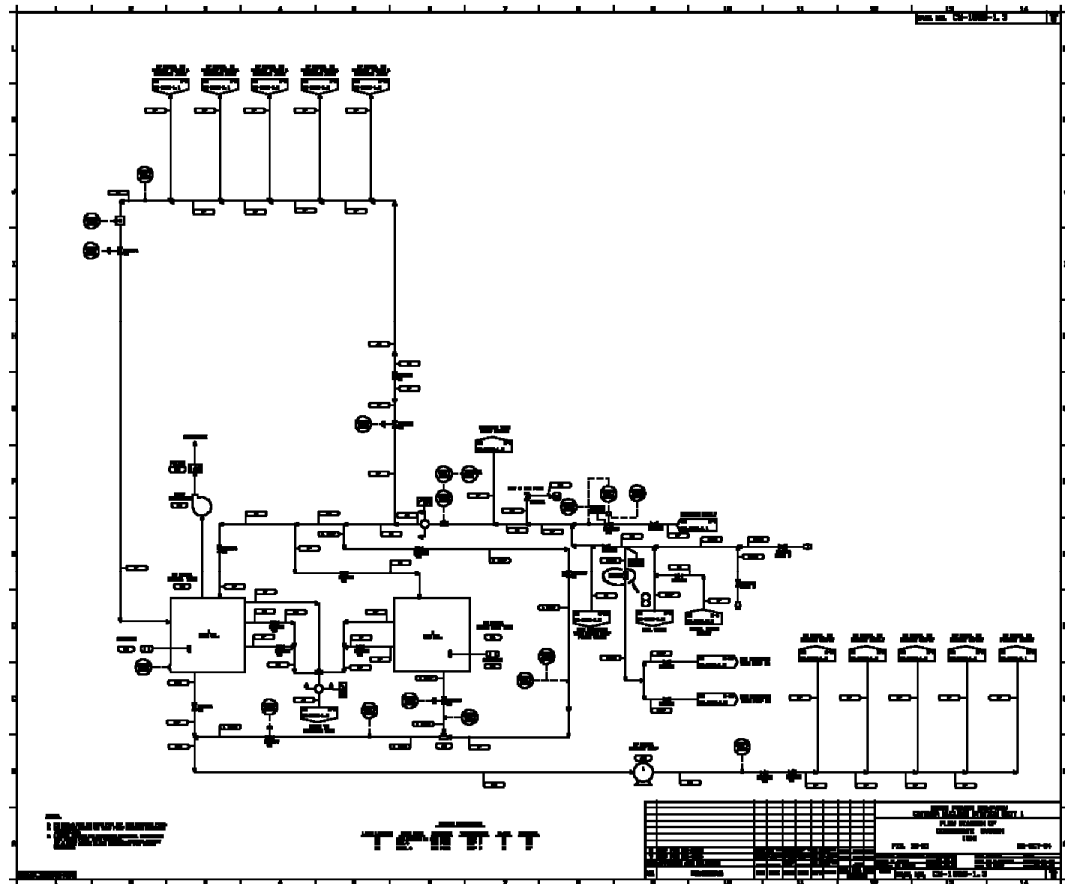


Figure 10-22. Flow Diagram of Condensate System

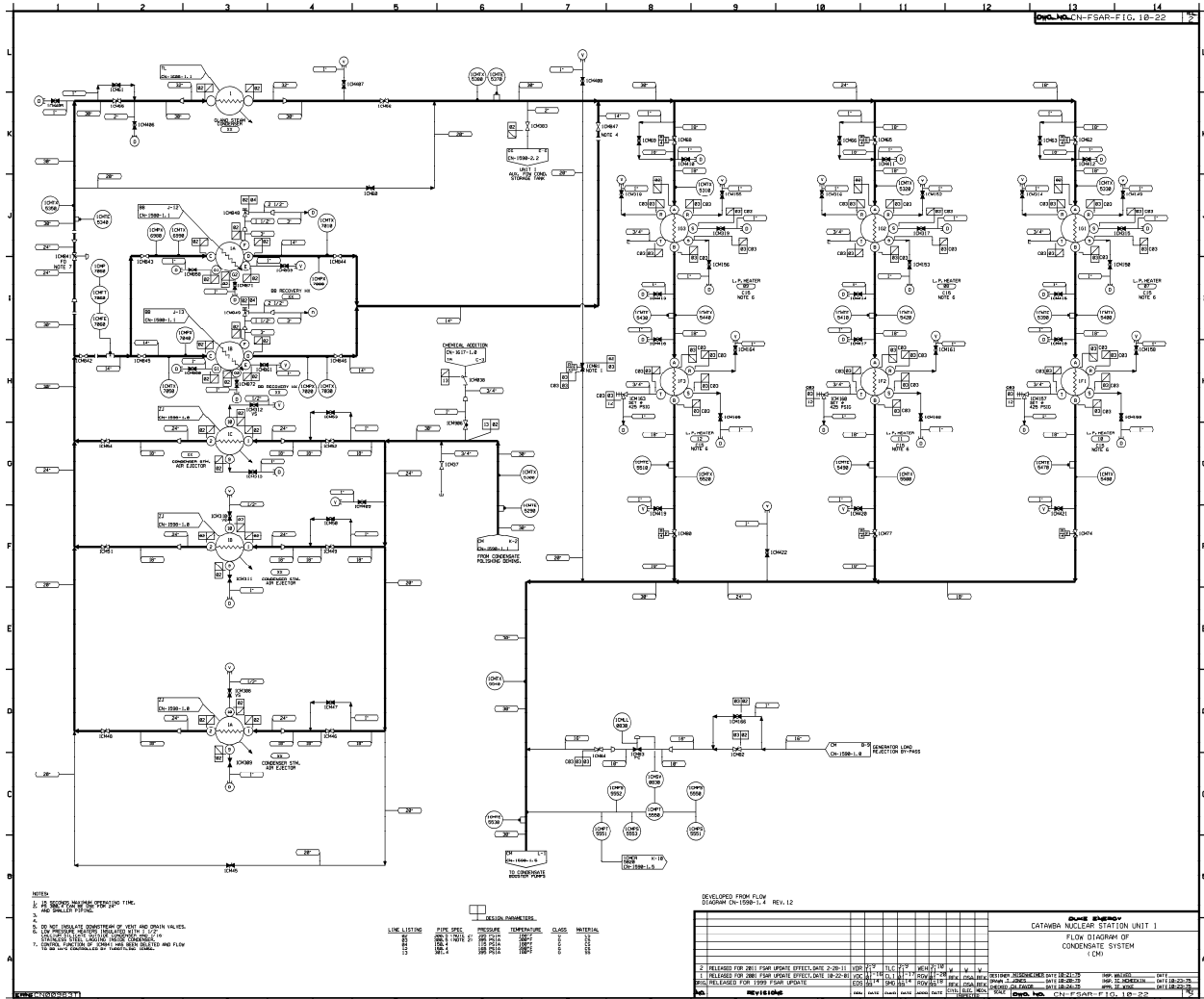


Figure 10-23. Flow Diagram of Condensate System

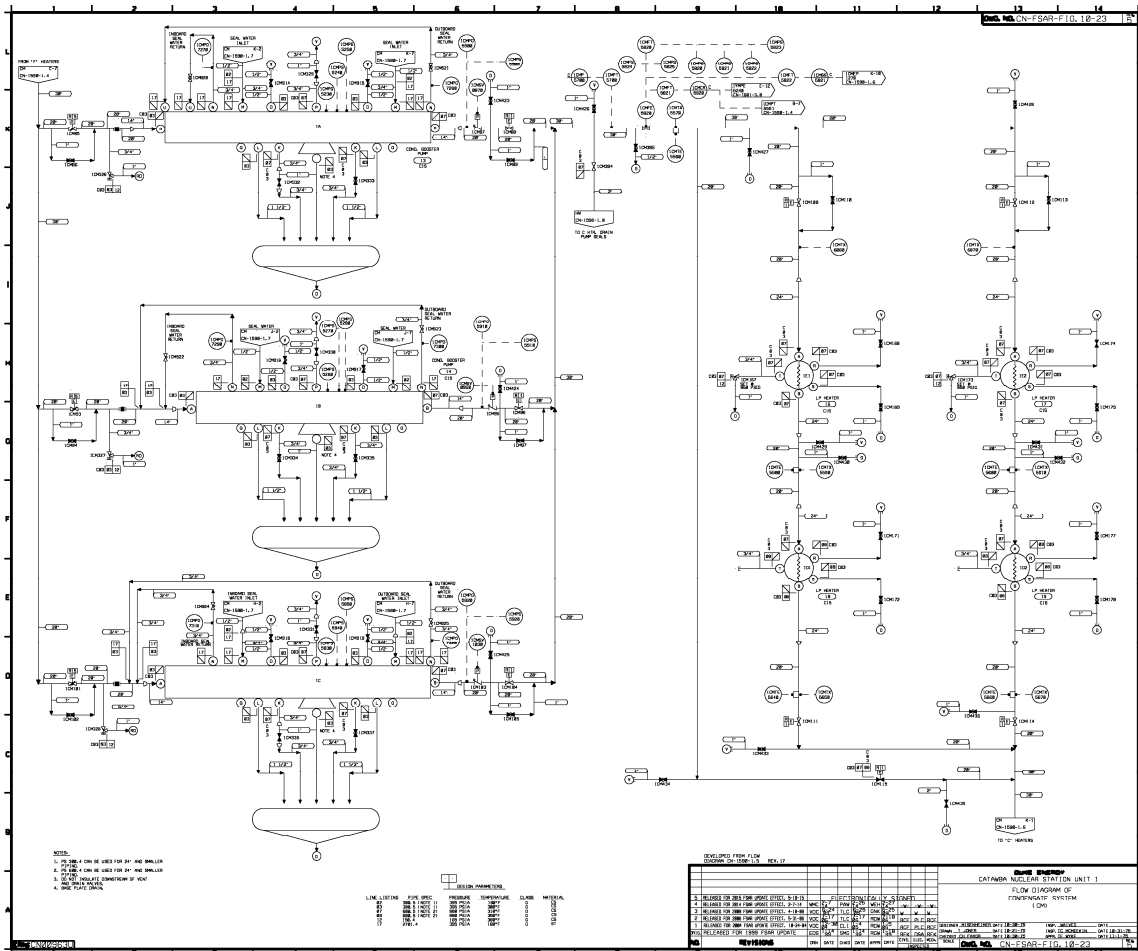


Figure 10-24. Flow Diagram of Condensate System

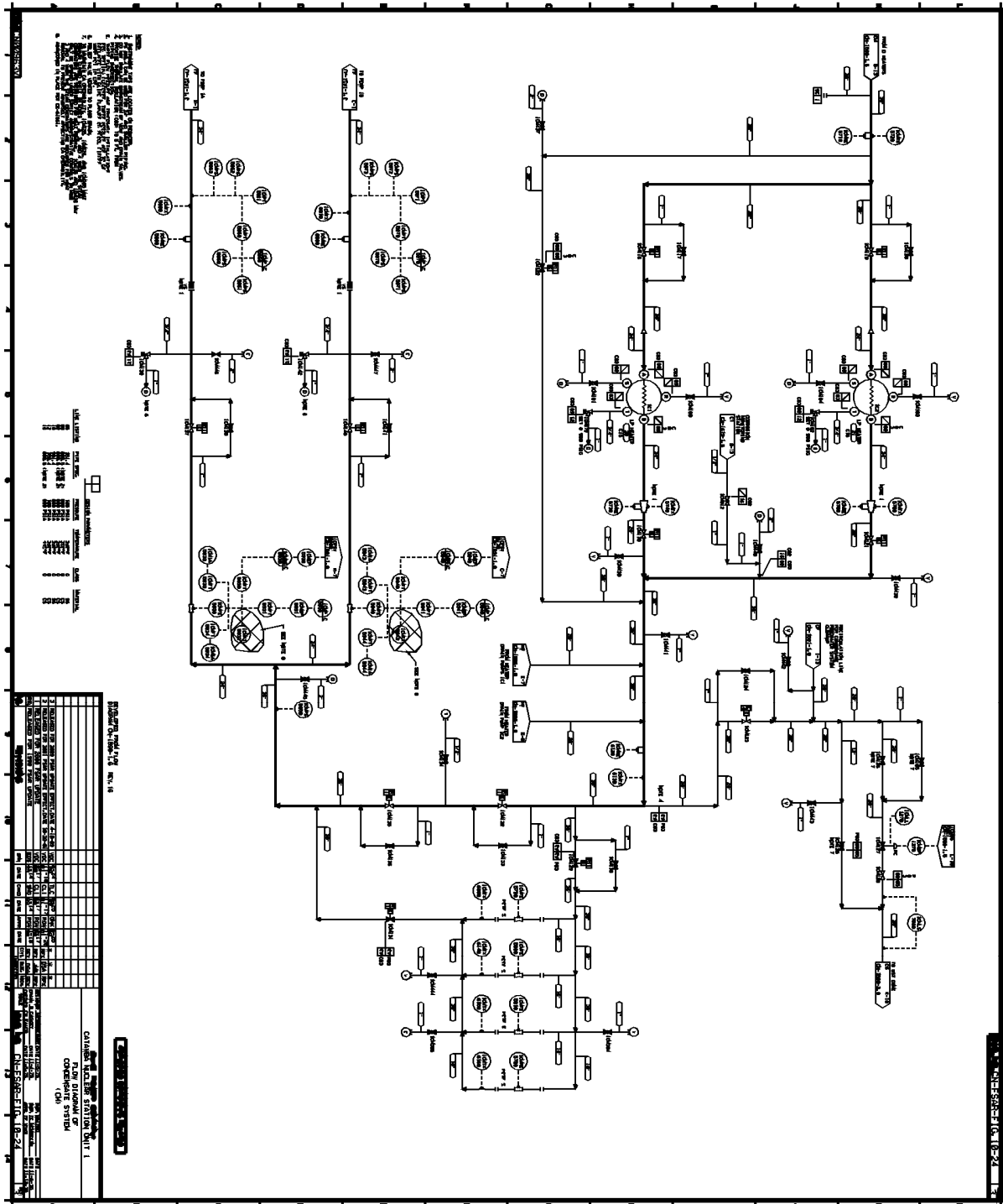


Figure 10-25. Flow Diagram of Condensate System

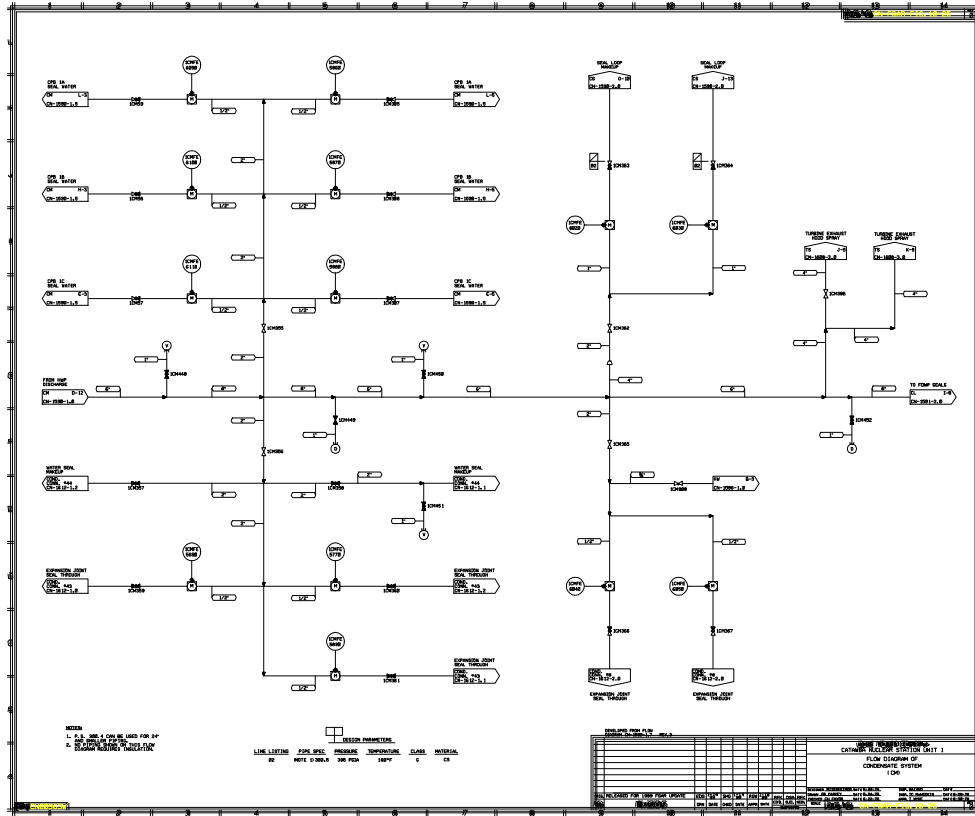


Figure 10-26. Flow Diagram of Condensate System

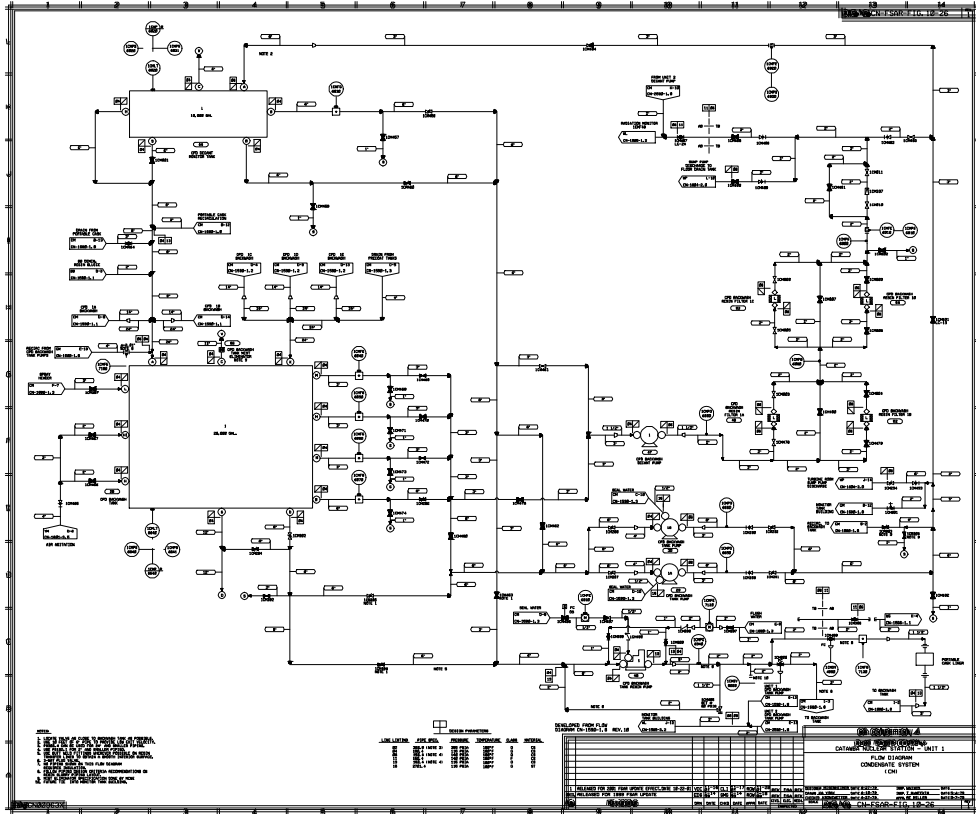


Figure 10-27. Flow Diagram of Feedwater System

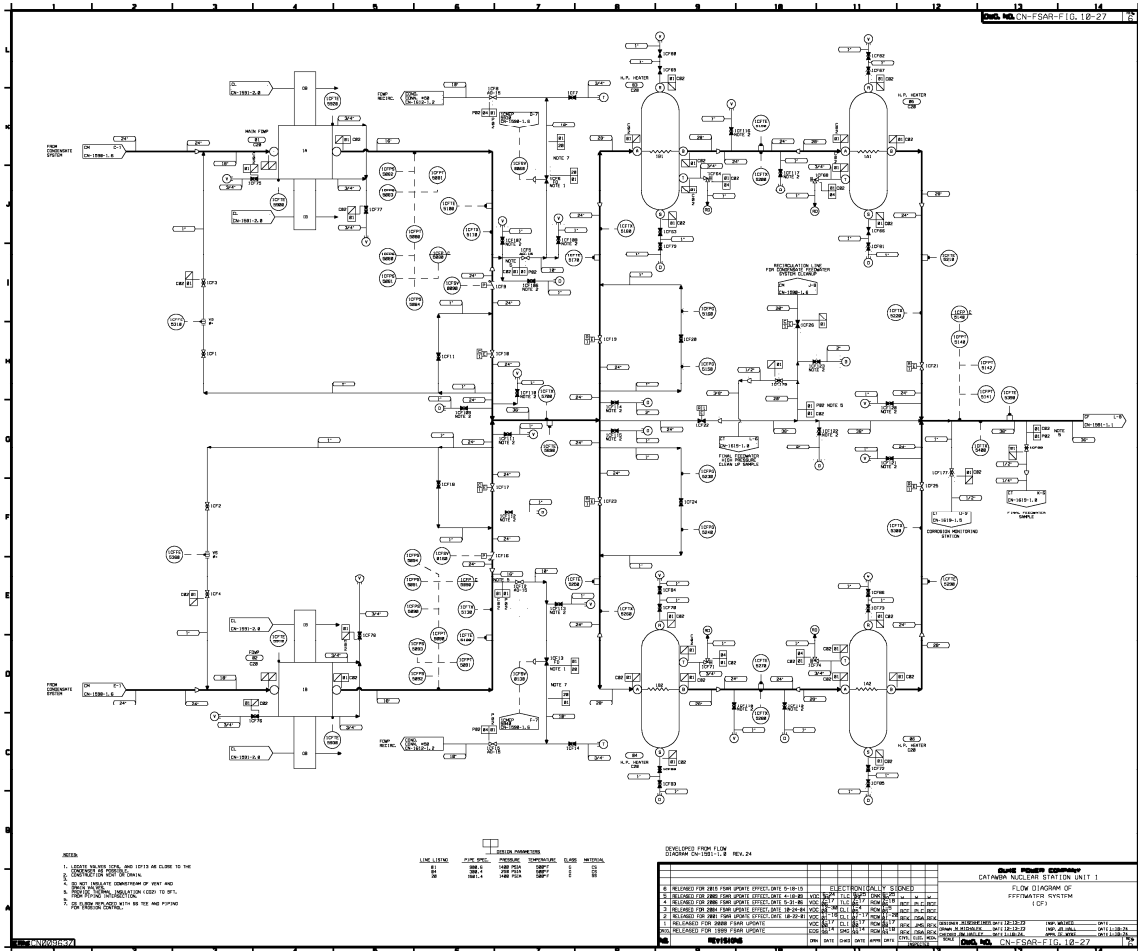
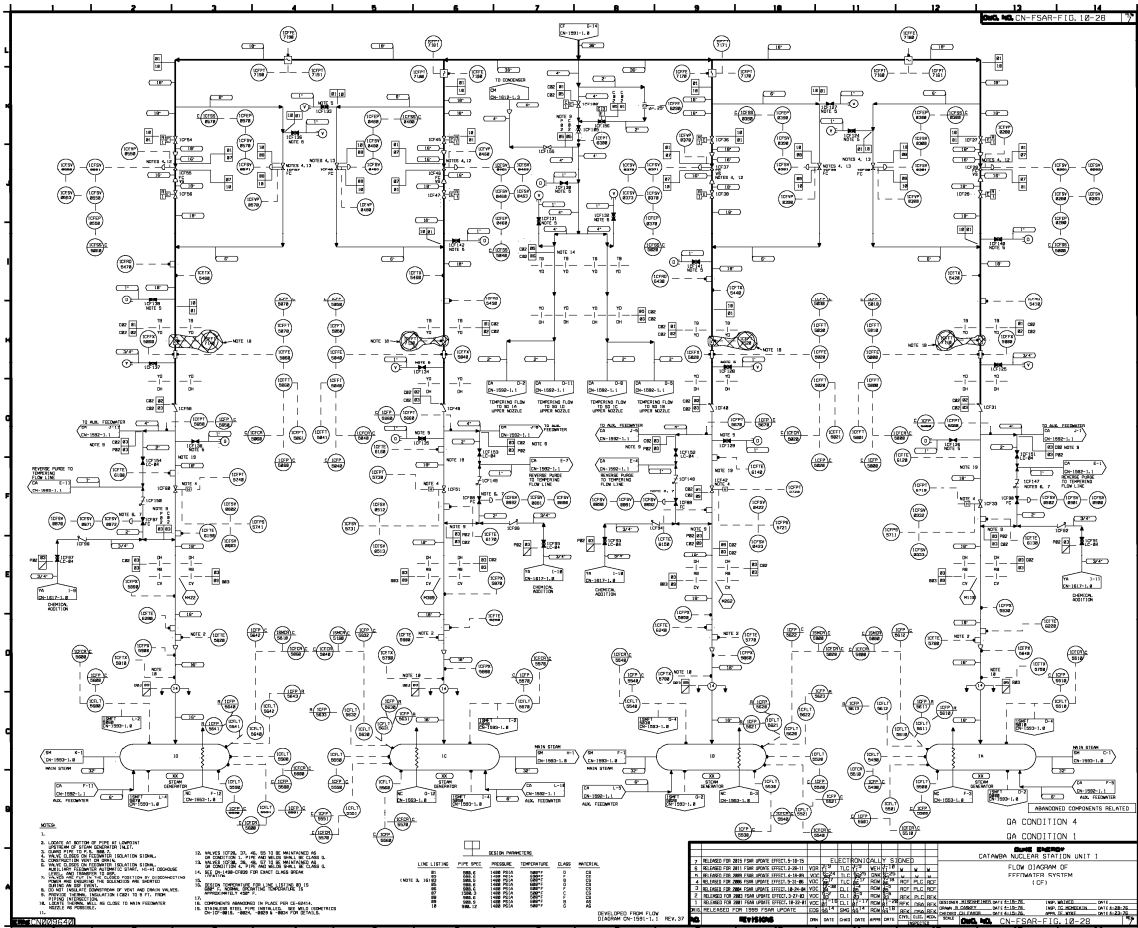


Figure 10-28. Flow Diagram of Feedwater System



- NOTES:
- 1. SYMBOLS AND ABBREVIATIONS ARE DEFINED IN THE UFSAR APPENDIX B.
 - 2. THIS DIAGRAM IS A REPRESENTATIVE EXAMPLE OF THE SYSTEM AND IS NOT TO BE USED AS A BASIS FOR DESIGN OR CONSTRUCTION.
 - 3. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 4. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 5. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.
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 - 13. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 14. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 15. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 16. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 17. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 18. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 19. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 20. THE SYSTEM IS SUBJECT TO CHANGE WITHOUT NOTICE.

LINE NUMBER	PIPE SIZE	PRESSURE	TEMPERATURE	CLASS	MATERIAL
101-102	12"	1500	350	SA-508	SA-508
102-103	12"	1500	350	SA-508	SA-508
103-104	12"	1500	350	SA-508	SA-508
104-105	12"	1500	350	SA-508	SA-508
105-106	12"	1500	350	SA-508	SA-508
106-107	12"	1500	350	SA-508	SA-508
107-108	12"	1500	350	SA-508	SA-508
108-109	12"	1500	350	SA-508	SA-508
109-110	12"	1500	350	SA-508	SA-508
110-111	12"	1500	350	SA-508	SA-508
111-112	12"	1500	350	SA-508	SA-508
112-113	12"	1500	350	SA-508	SA-508
113-114	12"	1500	350	SA-508	SA-508
114-115	12"	1500	350	SA-508	SA-508
115-116	12"	1500	350	SA-508	SA-508
116-117	12"	1500	350	SA-508	SA-508
117-118	12"	1500	350	SA-508	SA-508
118-119	12"	1500	350	SA-508	SA-508
119-120	12"	1500	350	SA-508	SA-508
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194-195	12"	1500	350	SA-508	SA-508
195-196	12"	1500	350	SA-508	SA-508
196-197	12"	1500	350	SA-508	SA-508
197-198	12"	1500	350	SA-508	SA-508
198-199	12"	1500	350	SA-508	SA-508
199-200	12"	1500	350	SA-508	SA-508

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR REVIEW	10/10/16	J. SMITH	M. JONES
2	REVISION FOR PUMP SPECIFICATIONS	10/15/16	J. SMITH	M. JONES
3	REVISION FOR PIPE SIZES	10/20/16	J. SMITH	M. JONES
4	REVISION FOR PRESSURE RATES	10/25/16	J. SMITH	M. JONES
5	REVISION FOR TEMPERATURE RATES	10/30/16	J. SMITH	M. JONES
6	REVISION FOR CLASSIFICATIONS	11/05/16	J. SMITH	M. JONES
7	REVISION FOR MATERIALS	11/10/16	J. SMITH	M. JONES
8	REVISION FOR FLOW DIRECTIONS	11/15/16	J. SMITH	M. JONES
9	REVISION FOR SYMBOLS	11/20/16	J. SMITH	M. JONES
10	REVISION FOR ABBREVIATIONS	11/25/16	J. SMITH	M. JONES
11	REVISION FOR NOTES	12/01/16	J. SMITH	M. JONES
12	REVISION FOR LEGEND	12/05/16	J. SMITH	M. JONES
13	REVISION FOR TABLES	12/10/16	J. SMITH	M. JONES
14	REVISION FOR DIMENSIONS	12/15/16	J. SMITH	M. JONES
15	REVISION FOR TITLES	12/20/16	J. SMITH	M. JONES
16	REVISION FOR FOOTNOTES	12/25/16	J. SMITH	M. JONES
17	REVISION FOR REFERENCES	01/01/17	J. SMITH	M. JONES
18	REVISION FOR INDEX	01/05/17	J. SMITH	M. JONES
19	REVISION FOR DRAWING NUMBER	01/10/17	J. SMITH	M. JONES
20	REVISION FOR SHEET NUMBER	01/15/17	J. SMITH	M. JONES

Figure 10-29. Flow Diagram of Steam Generator Blowdown System

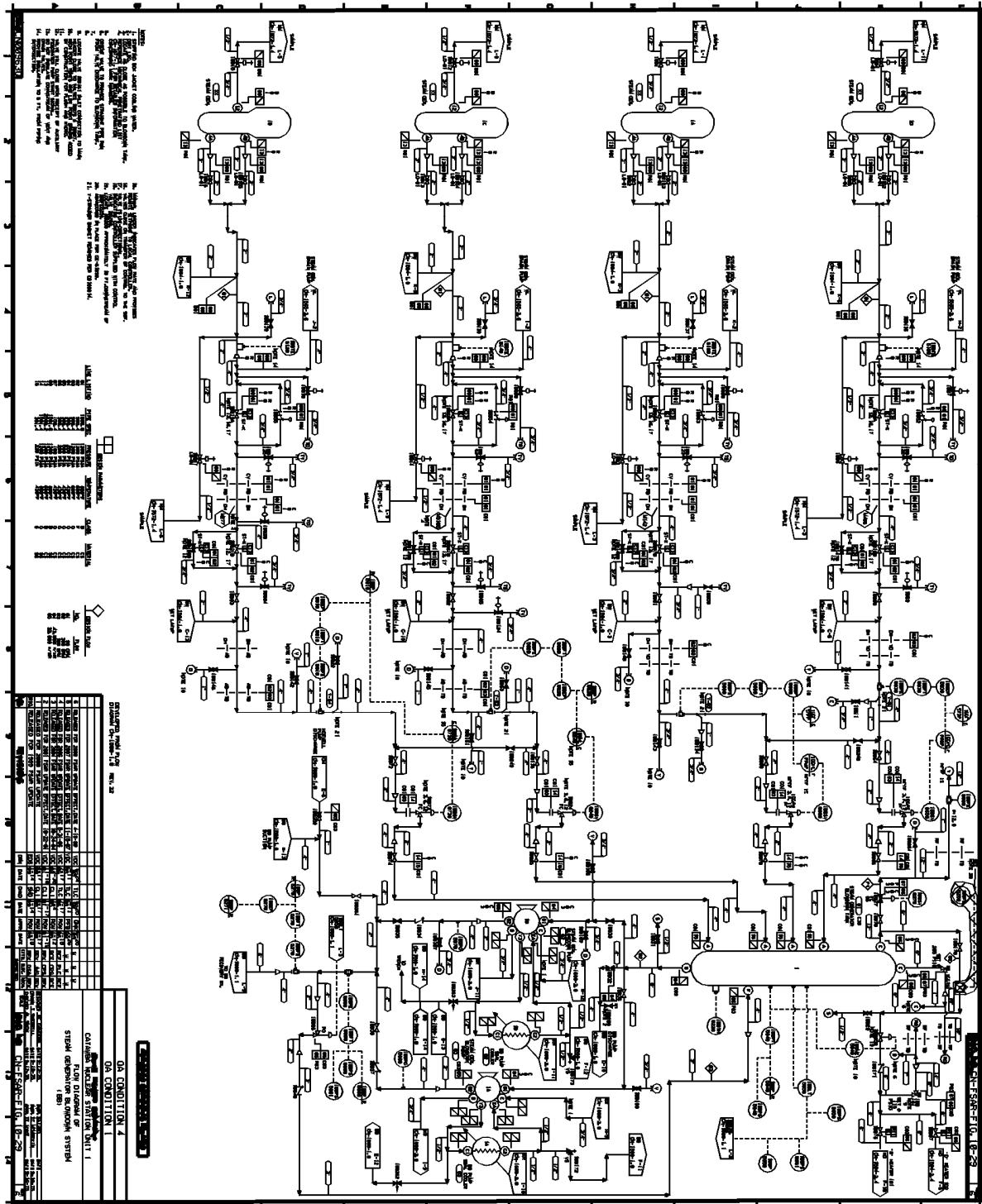


Figure 10-31. Flow Diagram of Steam Generator Blowdown System

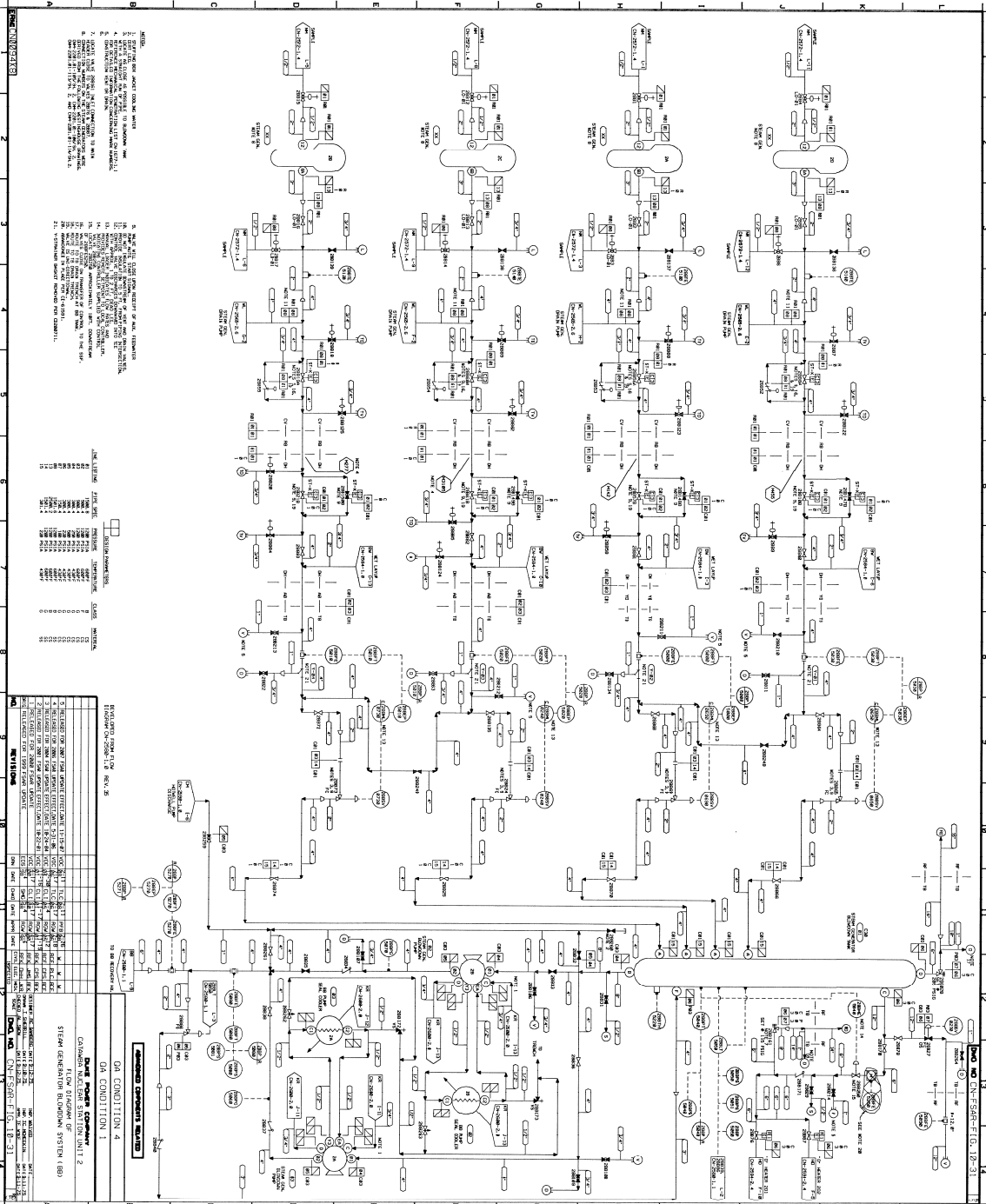


Figure 10-32. Flow Diagram of Steam Generator Blowdown System

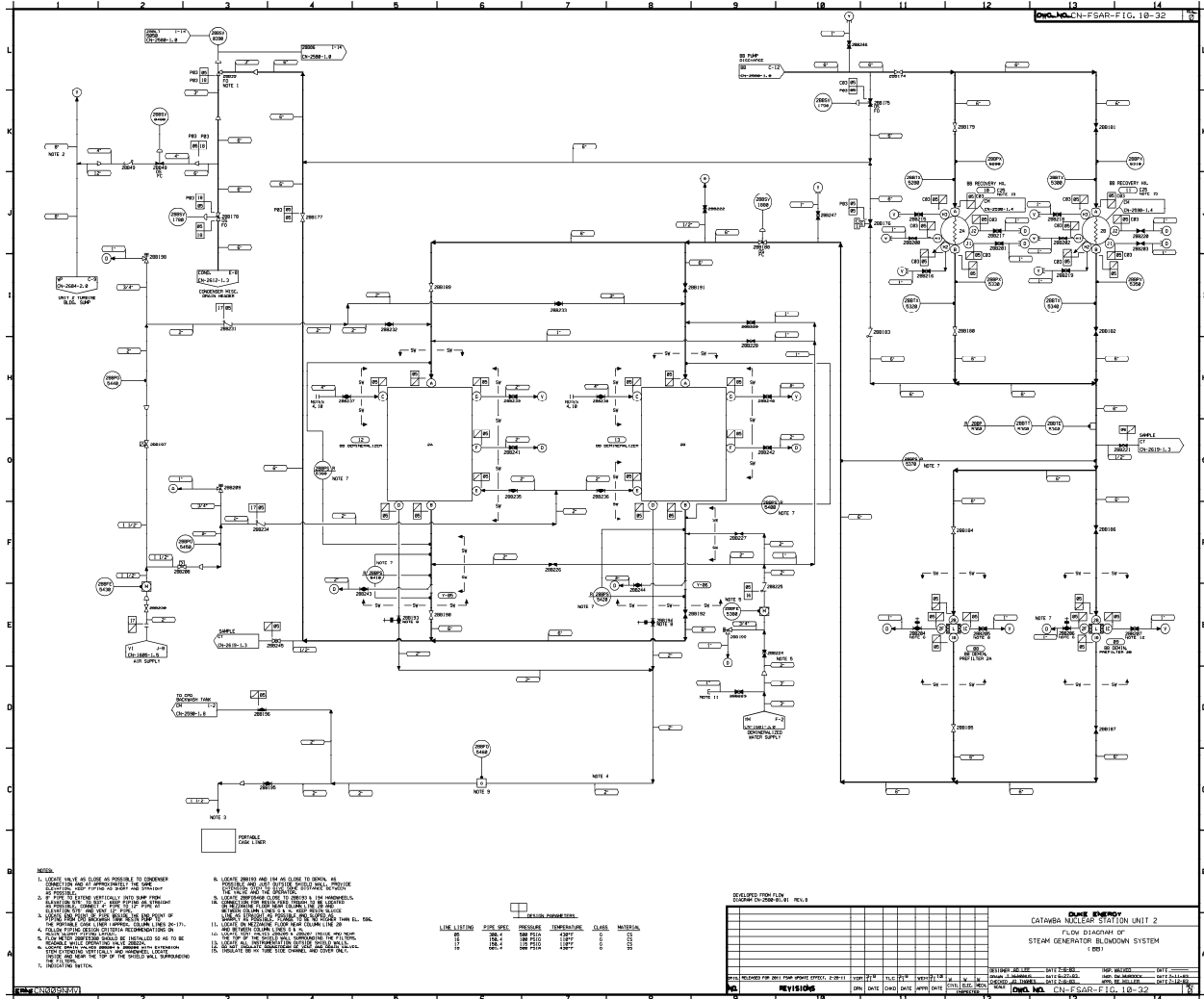


Figure 10-33. Flow Diagram of Auxiliary Feedwater System

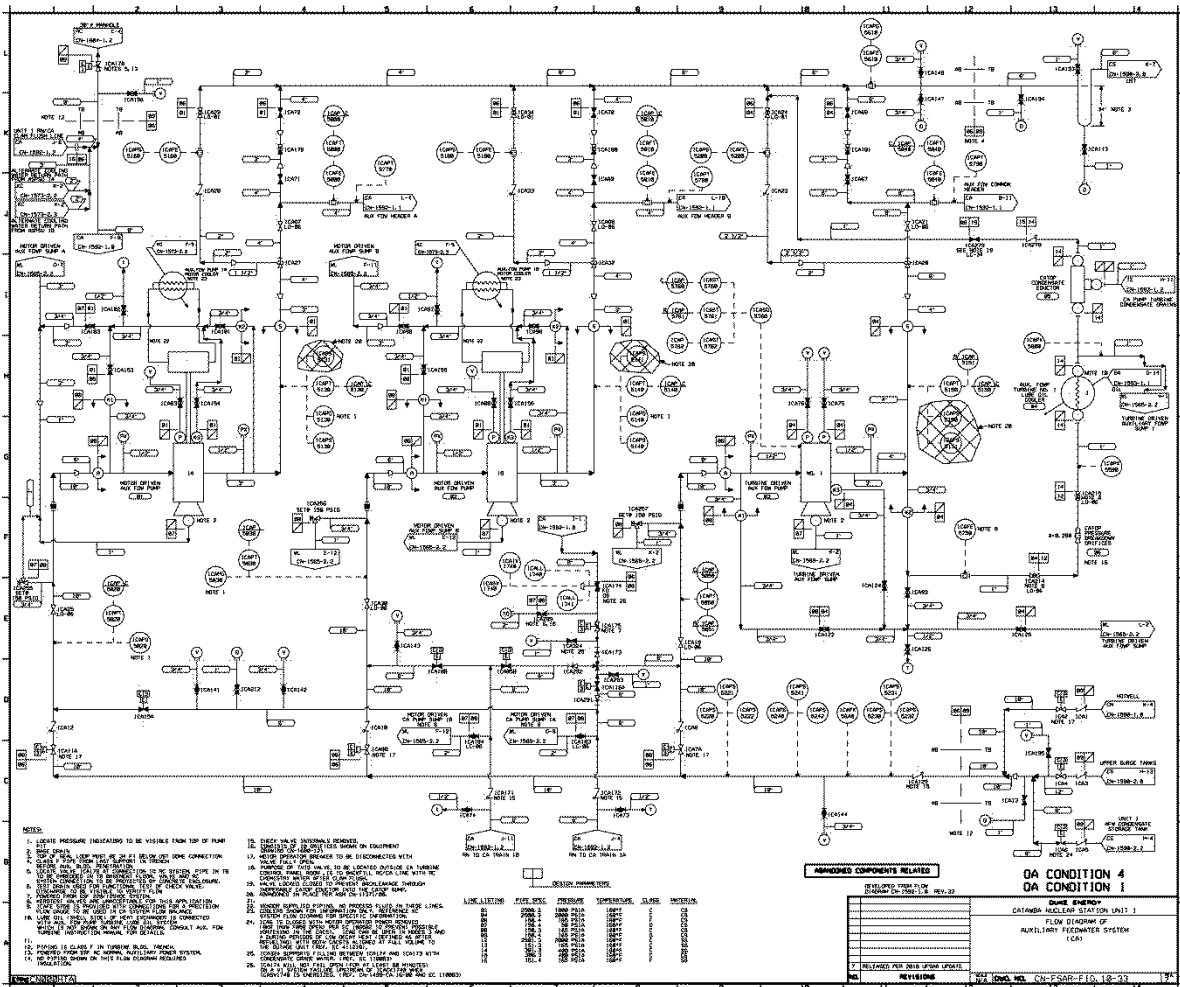


Figure 10-34. Flow Diagram of Auxiliary Feedwater System

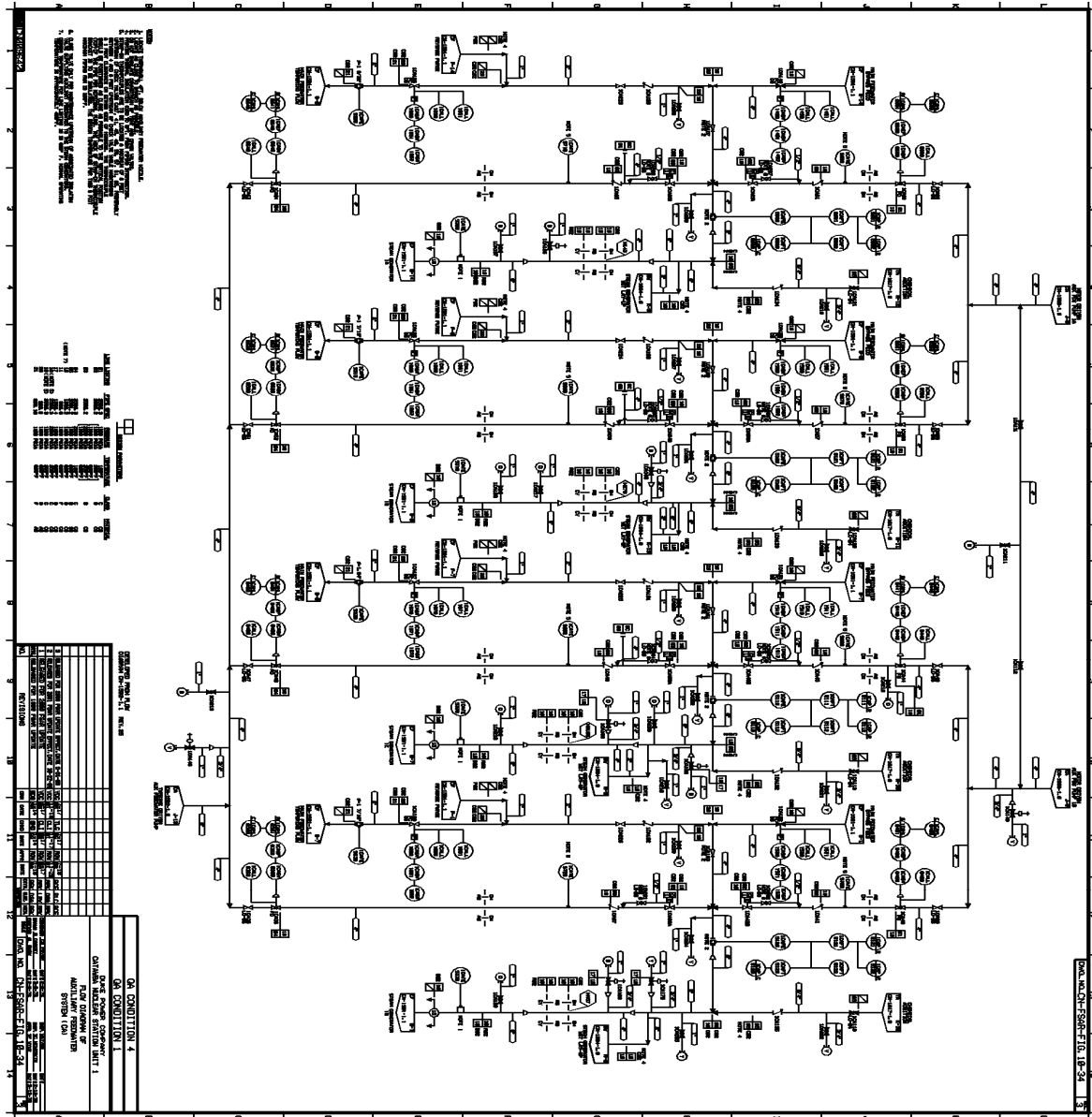


Figure 10-35. Flow Diagram of Heater Drain System (HW)

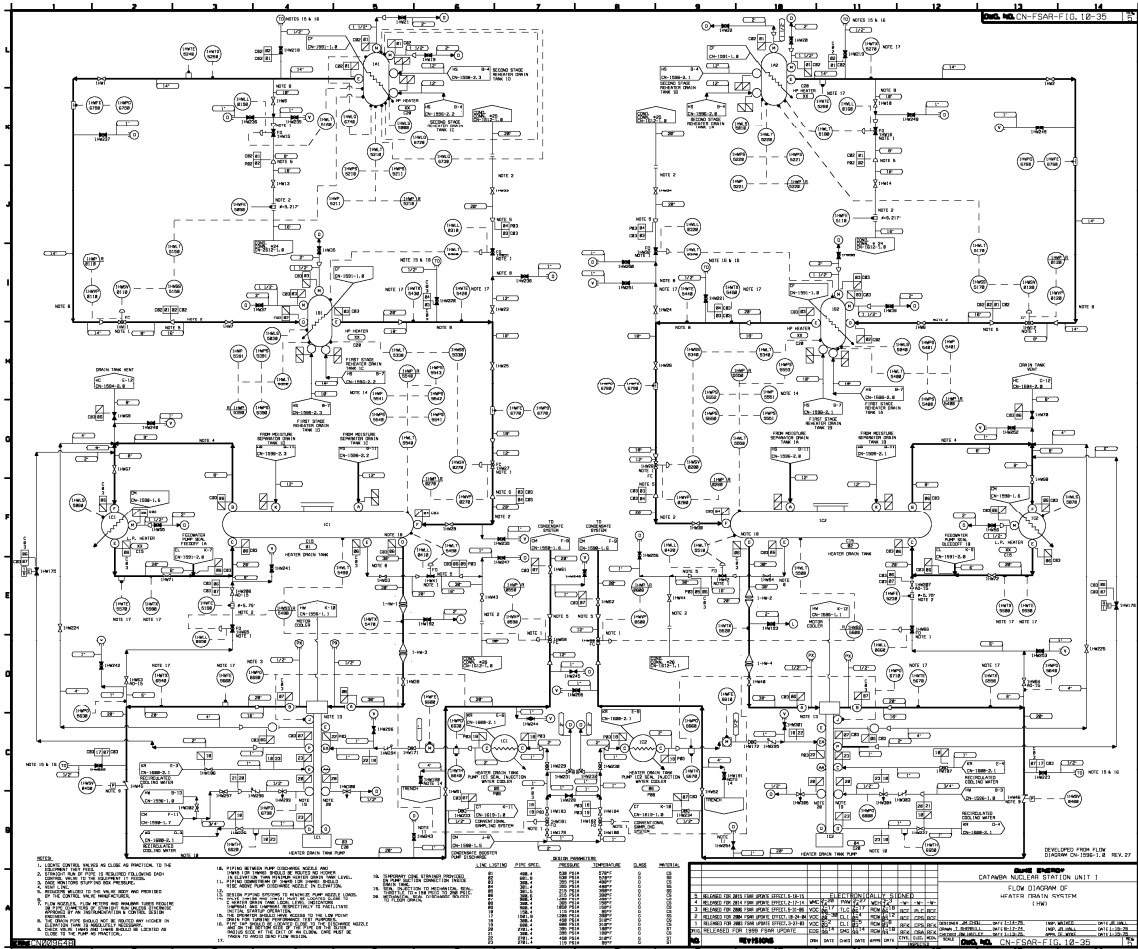


Figure 10-36. Flow Diagram of Heater Drain System (HW)

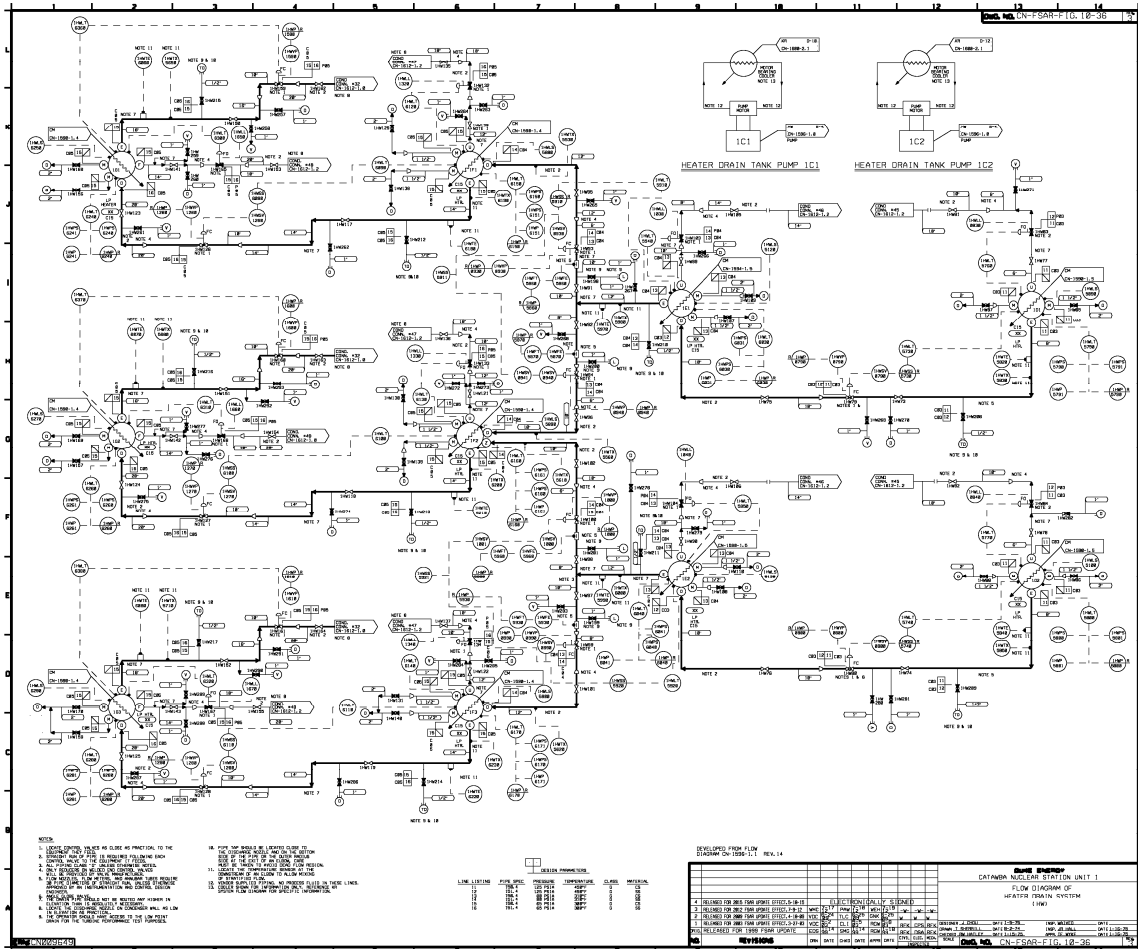


Figure 10-37. Flow Diagram of Moisture Separator-Reheater Drain System (HS)

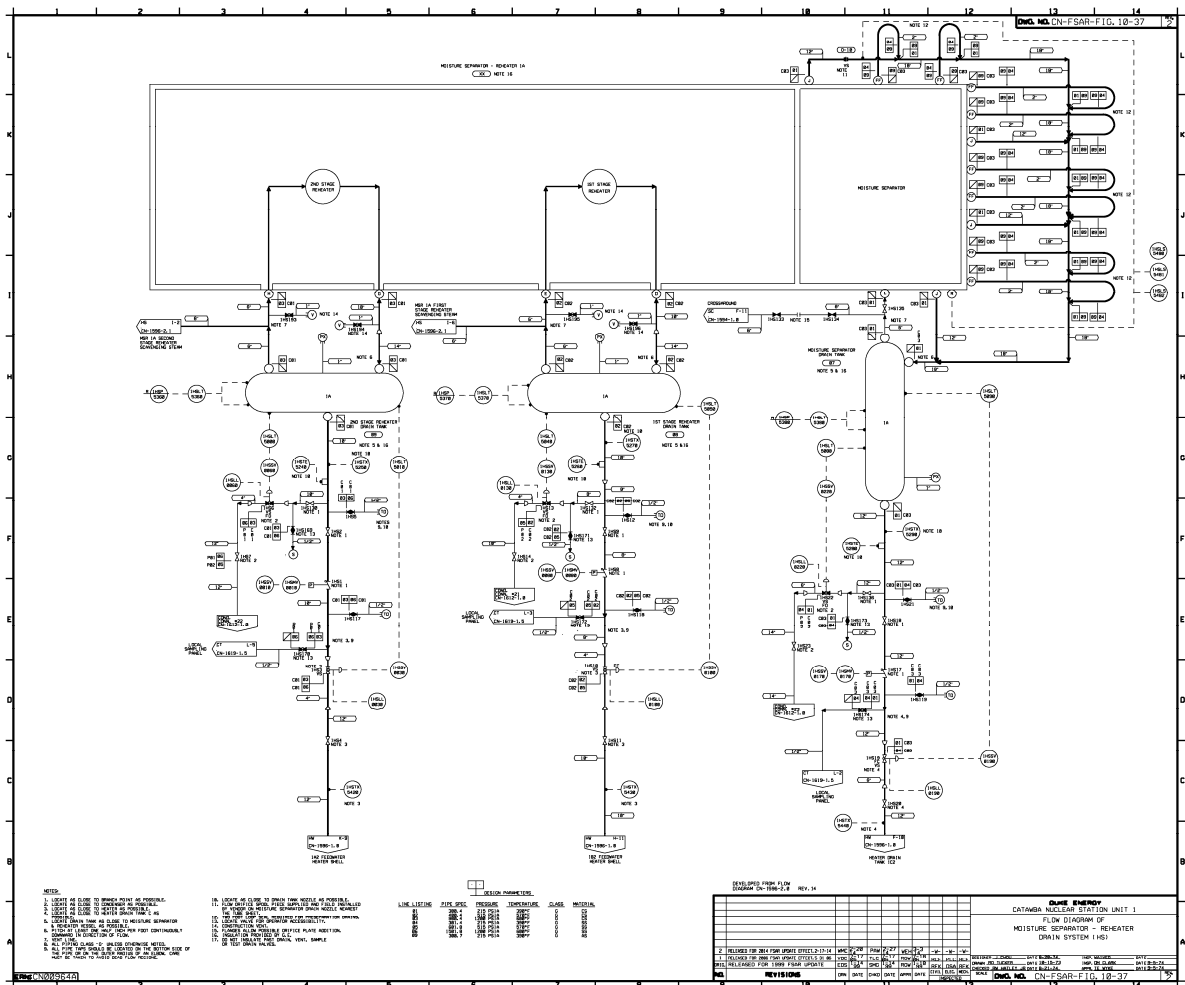


Figure 10-38. Flow Diagram of Moisture Separator-Reheater Drain System (HS)

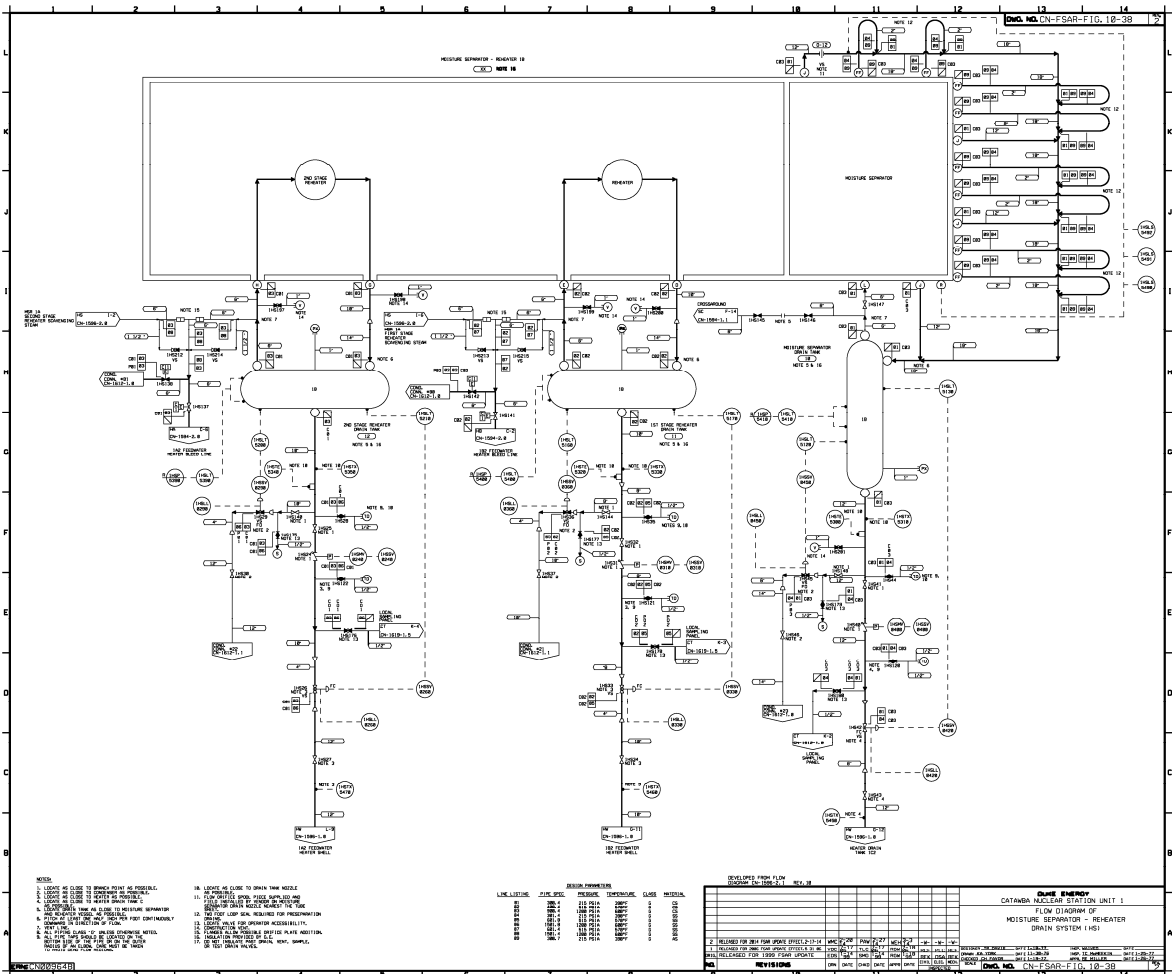


Figure 10-39. Flow Diagram of Moisture Separator-Reheater Drain System (HS)

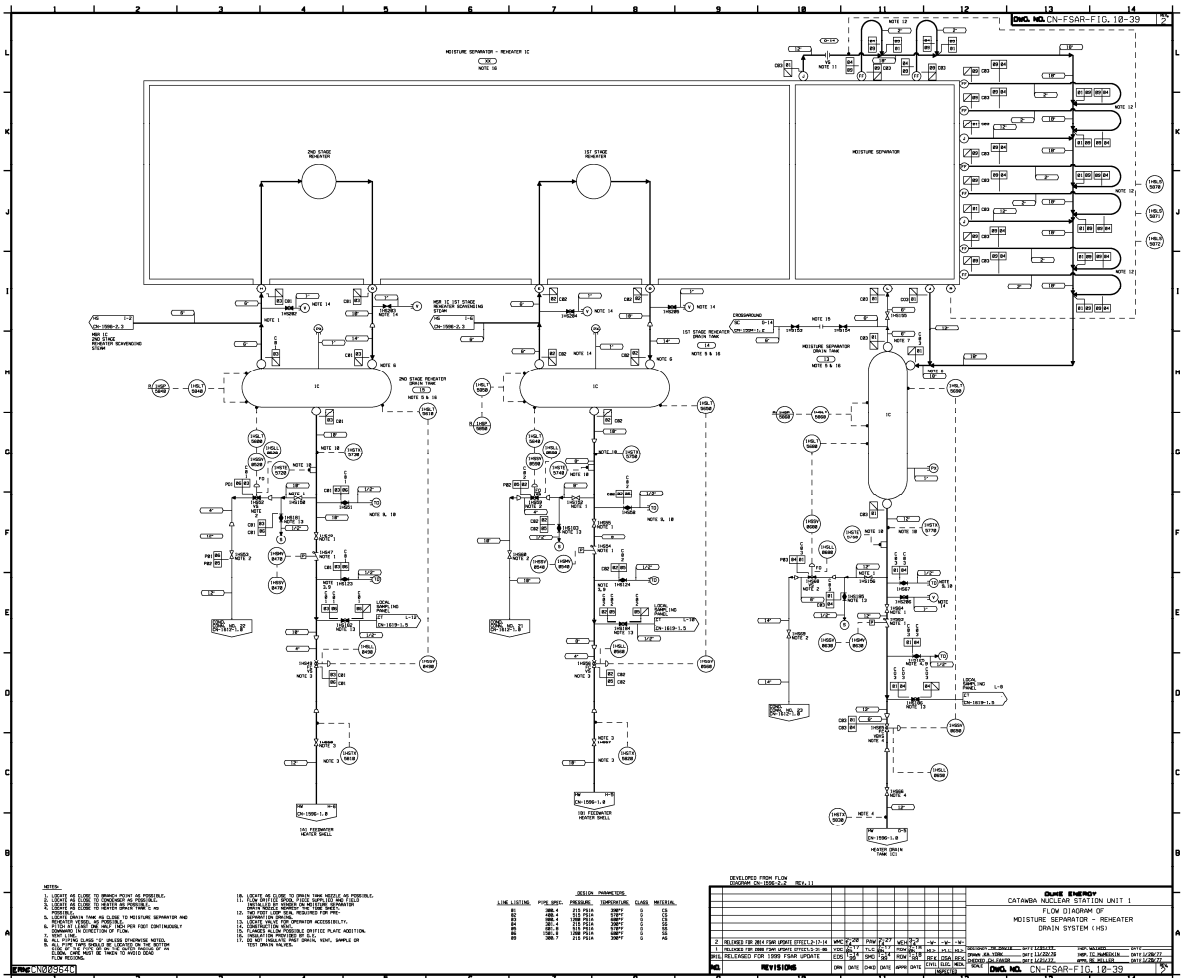


Figure 10-40. Flow Diagram of Moisture Separator-Reheater Drain System (HS)

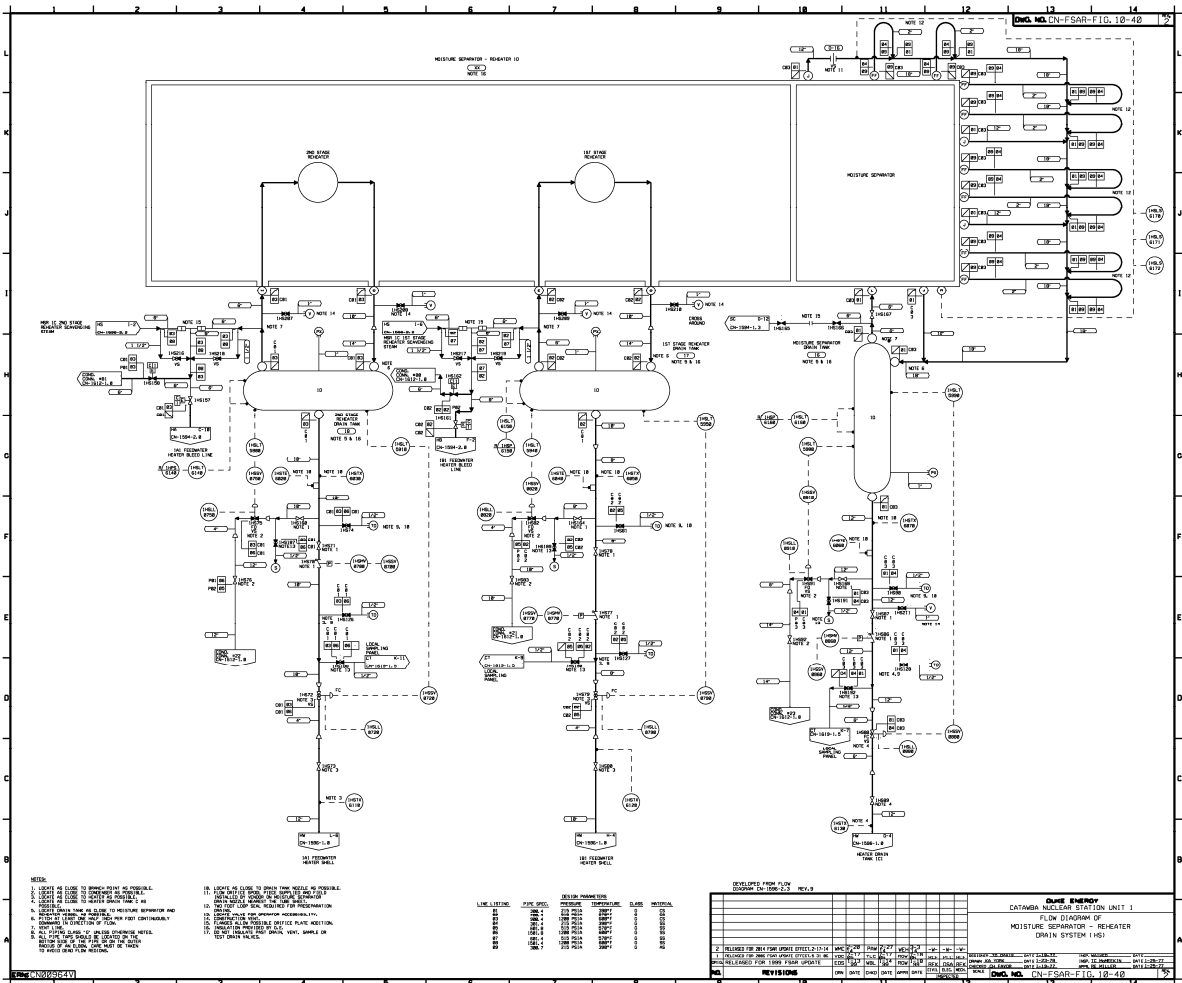
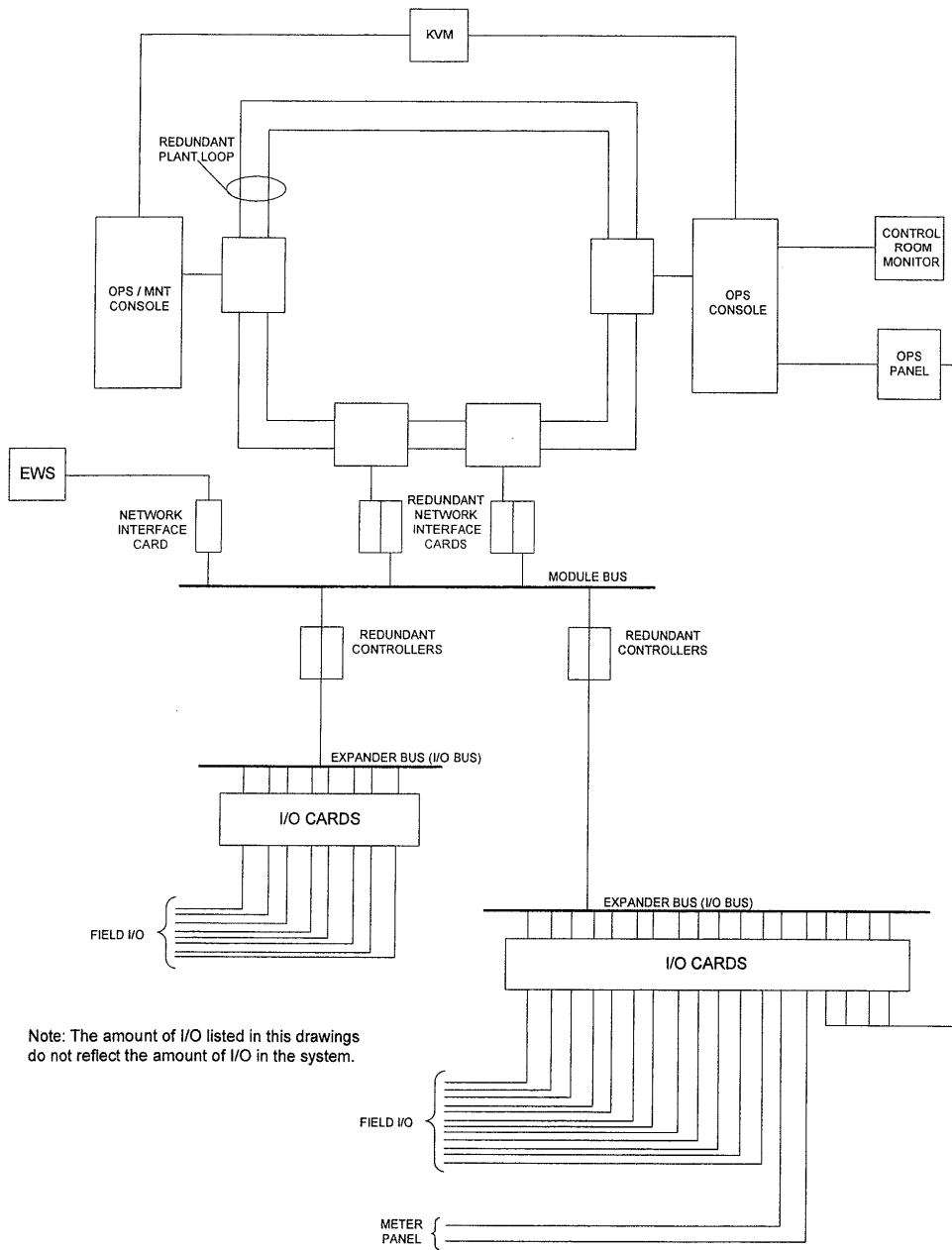


Figure 10-41. System Overview of the Turbine Control System



Note: The amount of I/O listed in this drawings do not reflect the amount of I/O in the system.

Figure 10-42. Flow Diagram of Auxiliary Feedwater System

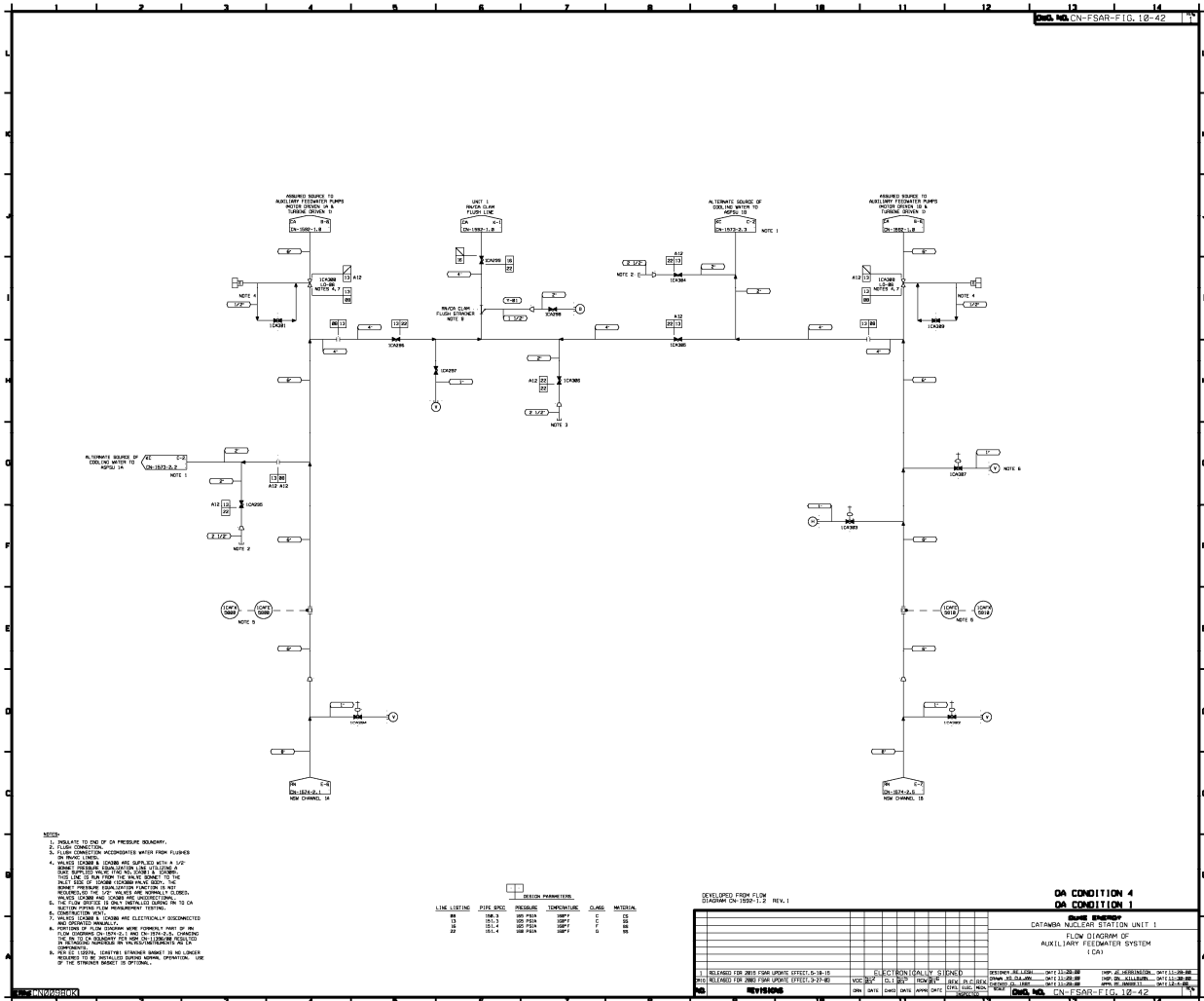


Figure 10-43. Unit 1 - Heat Balance 3479 MWt Reactor Thermal Power

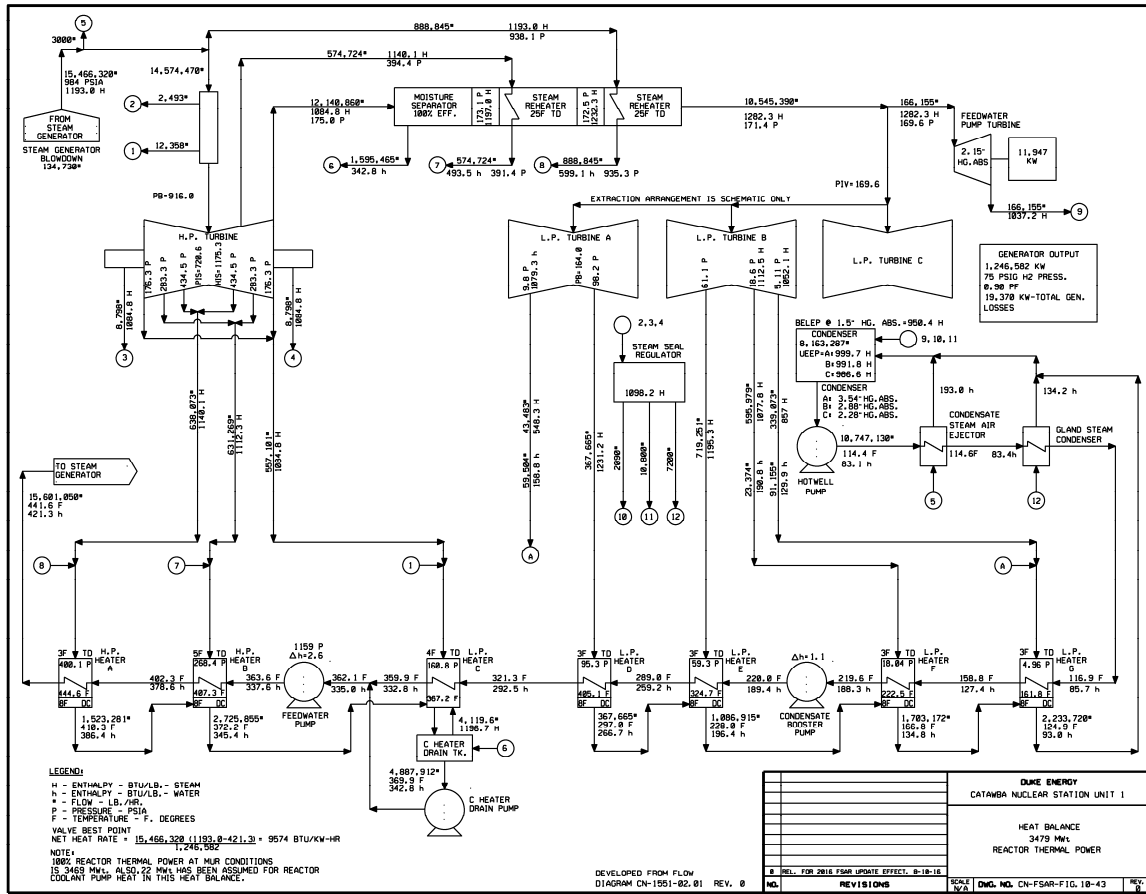


Figure 10-44. Unit 2 - Heat Balance 100% MWt

