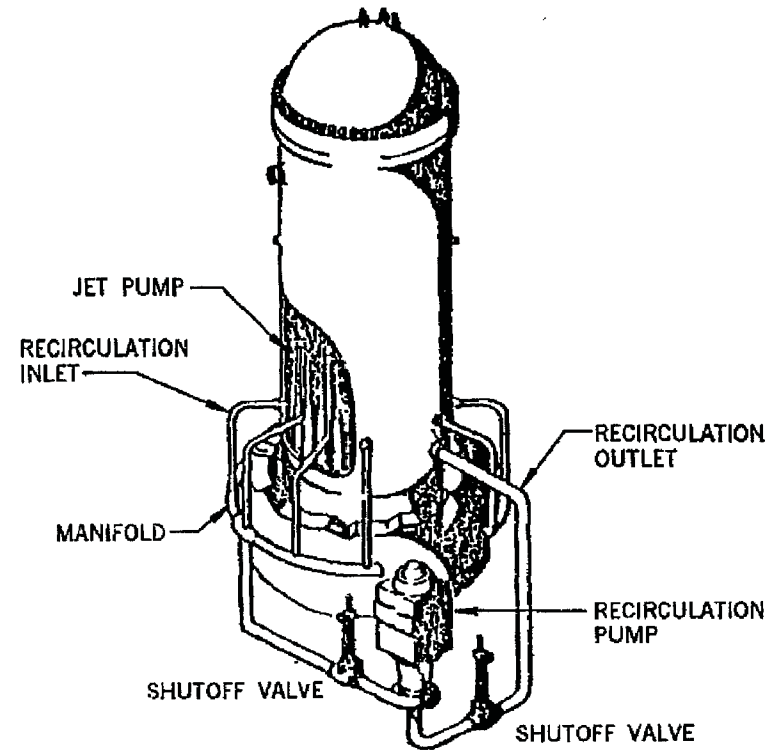
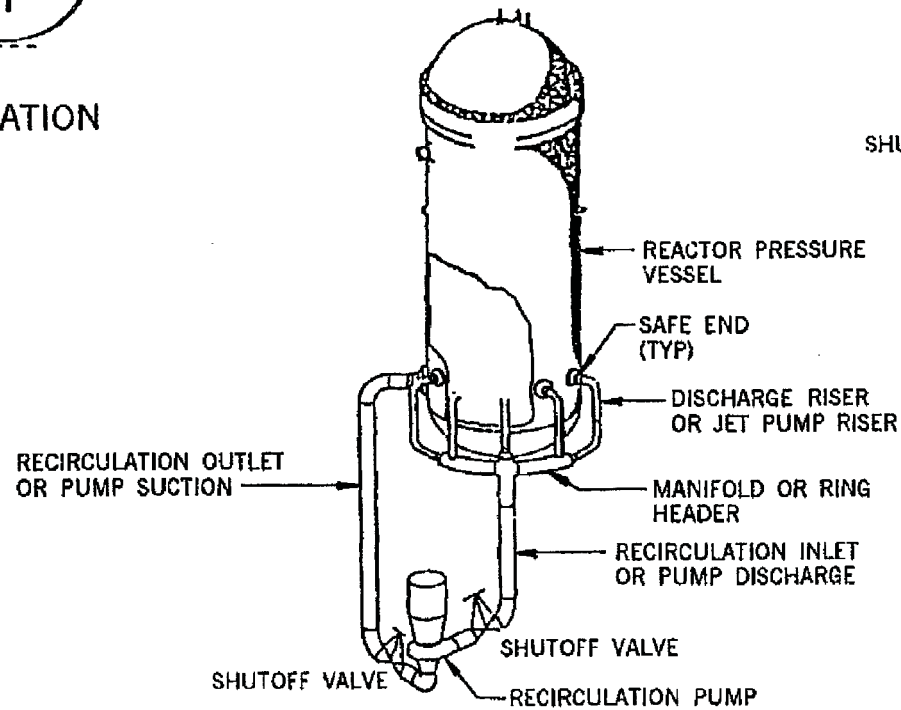


ELEVATION

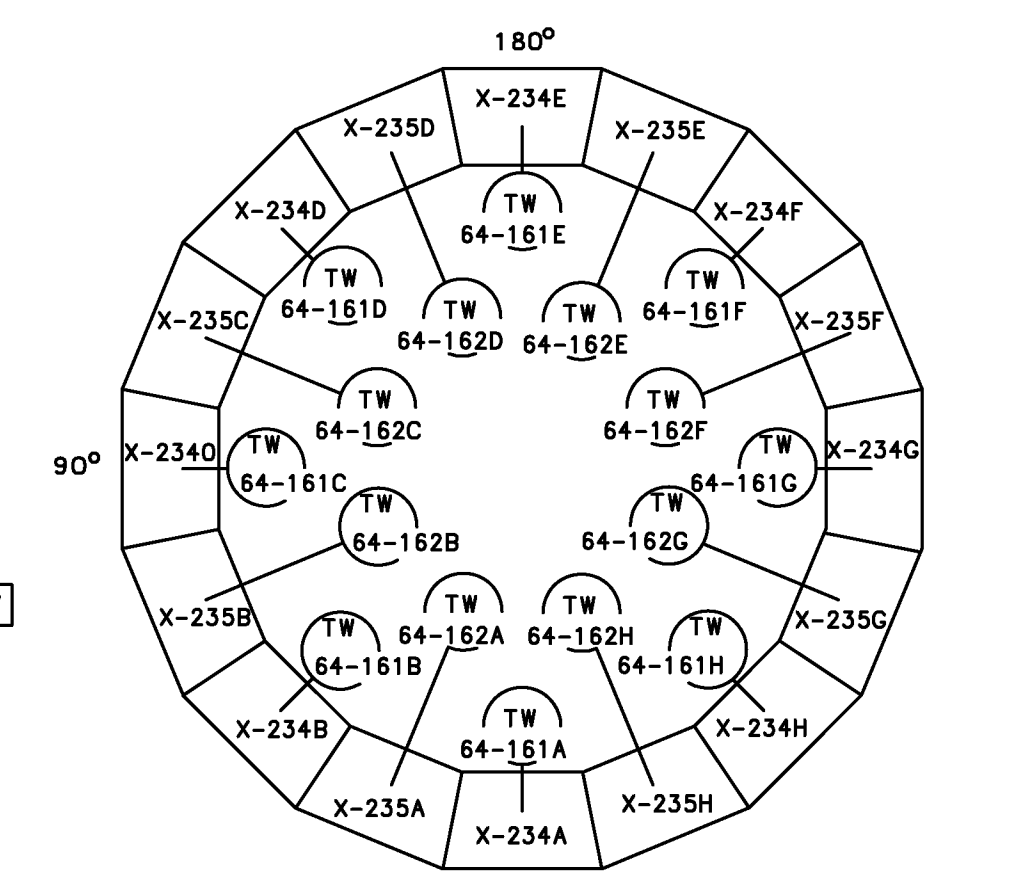
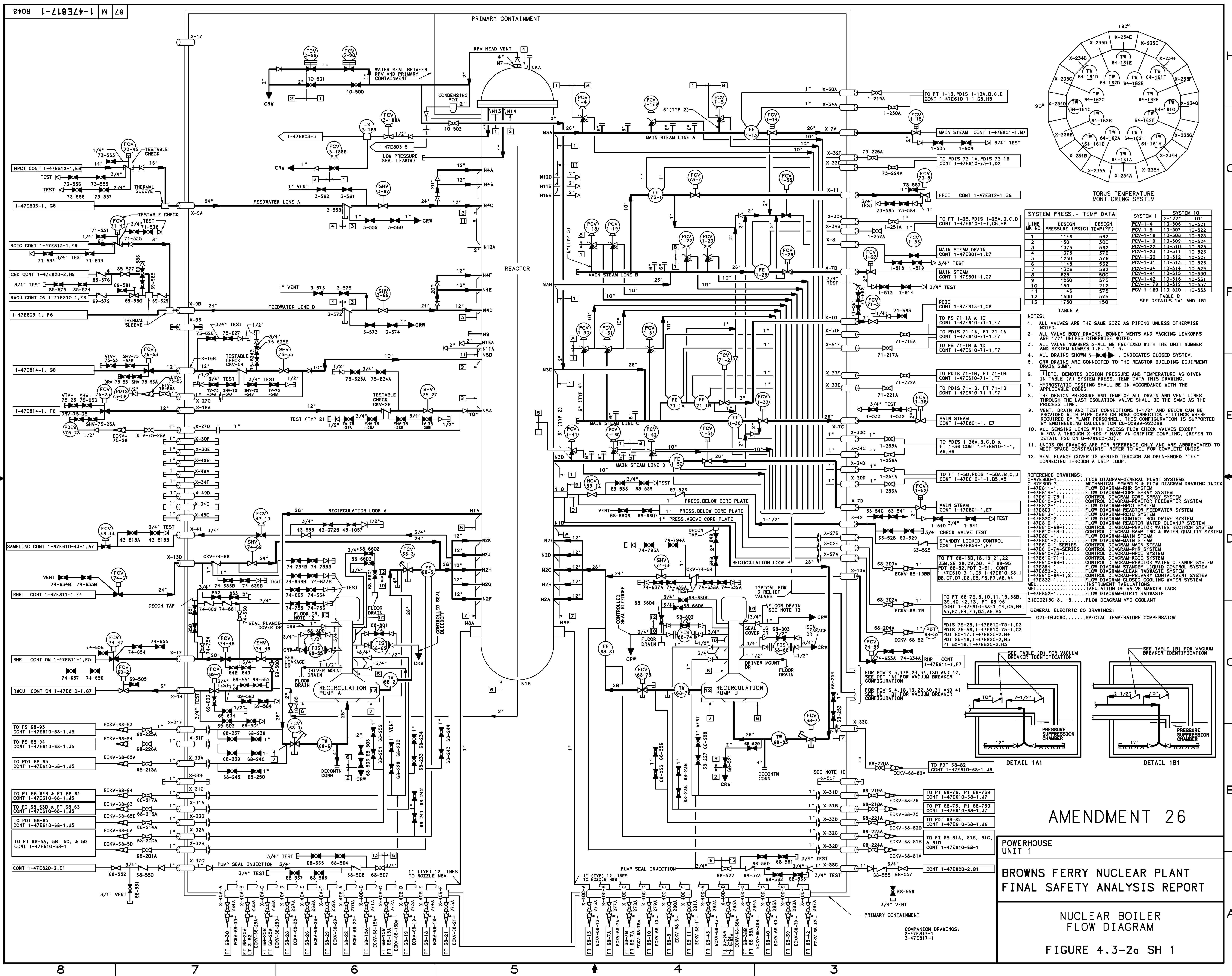


ISOMETRIC
(UNITS 1 & 2)



ISOMETRIC
(UNIT 3)

AMENDMENT 16



SYSTEM PRESS. - TEMP DATA

LINE NO.	DESIGN PRESS. (PSI)	DESIGN TEMP (°F)
1	1146	562
2	1395	562
3	1395	562
4	1395	562
5	1395	562
6	1146	562
7	1395	562
8	1395	562
9	1395	562
10	1395	562
11	1146	562
12	1395	562
13	1395	562

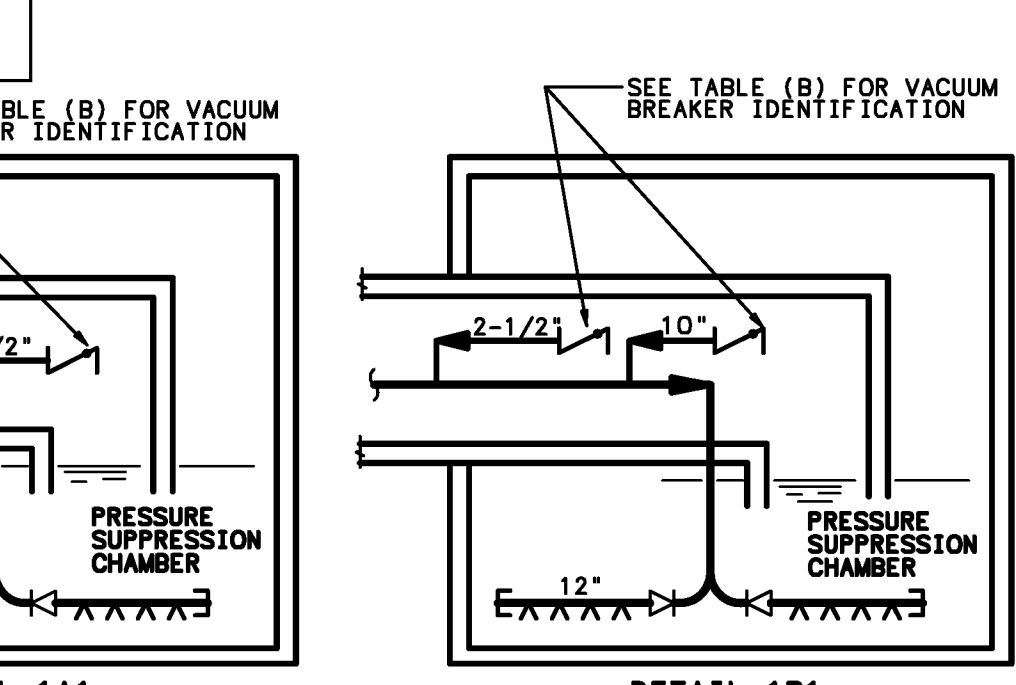
TABLE B

SYSTEM 10	SYSTEM 10	SYSTEM 10
PCV-1-1	10-506	10-521
PCV-1-2	10-507	10-522
PCV-1-3	10-508	10-523
PCV-1-4	10-509	10-524
PCV-1-5	10-510	10-525
PCV-1-6	10-511	10-526
PCV-1-7	10-512	10-527
PCV-1-8	10-513	10-528
PCV-1-9	10-514	10-529
PCV-1-10	10-515	10-530
PCV-1-11	10-516	10-531
PCV-1-12	10-517	10-532
PCV-1-13	10-518	10-533
PCV-1-14	10-519	10-534
PCV-1-15	10-520	10-535

SEE DETAILS 1A1 AND 1B1

- NOTES:
1. ALL VALVES ARE THE SAME SIZE AS PIPING UNLESS OTHERWISE NOTED.
 2. ALL VALVE BODY DRAINS, BONNET VENTS AND PACKING LEAKOFFS ARE 1/2" UNLESS OTHERWISE NOTED.
 3. ALL VALVE NUMBERS SHALL BE PREFIXED WITH THE UNIT NUMBER AND SYSTEM NUMBER. I.E., 1-1-5.
 4. ALL DRAINS SHOWN 5" INDICATES CLOSED SYSTEM.
 5. CRW DRAINS ARE CONNECTED TO THE REACTOR BUILDING EQUIPMENT DRAIN SUMP.
 6. [] ETC. DENOTES DESIGN PRESSURE AND TEMPERATURE AS GIVEN IN TABLE (A) SYSTEM PRESS. - TEMP DATA THIS DRAWING.
 7. HYDROSTATIC TESTING SHALL BE IN ACCORDANCE WITH THE APPLICABLE CODES.
 8. THE DESIGN PRESSURE AND TEMP OF ALL DRAIN AND VENT LINES THROUGH THE LAST ISOLATION VALVE SHALL BE THE SAME AS THE PROCESS LINE.
 9. VENT, DRAIN AND TEST CONNECTIONS 1-1/2" AND BELOW CAN BE PROVIDED WITH PIPE PLUG OR HOSE CONNECTION FITTINGS WHERE REQUIRED BY PLANT PERSONNEL. ENGINEERING CALCULATION IS SUPPORTED BY ENGINEERING CALCULATION CD-00993-923399.
 10. ALL SENSING LINES WITH EXCESS FLOW CHECK VALVES EXCEPT X-40A THROUGH X-40D HAVE AN ORIFICE COUPLING. (REFER TO DETAIL P20 ON D-47800-2.05).
 11. UNITS ON DRAWING ARE FOR REFERENCE ONLY AND ARE (ABREVIATED TO MEET SPACE CONSTRAINTS. REFER TO MEL FOR COMPLETE UNITS.
 12. SEAL FLANGE COVER IS VENTED THROUGH AN OPEN-ENDED "TEE" CONNECTED THROUGH A DRIP LOOP.

- REFERENCE DRAWINGS:
- 0-47800-1 FLOW DIAGRAM-GENERAL PLANT SYSTEMS
 - 0-47800-2 MECHANICAL SYMBOLS & FLOW DIAGRAM DRAWING INDEX
 - 1-47801-1 FLOW DIAGRAM-RHR SYSTEM
 - 1-47801-2 FLOW DIAGRAM-REACTOR WATER SYSTEM
 - 1-47801-3 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-4 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-5 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-6 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-7 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-8 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-9 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-10 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-11 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-12 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-13 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-14 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-15 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-16 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-17 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-18 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-19 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-20 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-21 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-22 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-23 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-24 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-25 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-26 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-27 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-28 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-29 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-30 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-31 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-32 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-33 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-34 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-35 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-36 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-37 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-38 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-39 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-40 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-41 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-42 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-43 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-44 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-45 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-46 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-47 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-48 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
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 - 1-47801-61 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-62 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-63 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-64 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-65 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-66 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-67 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-68 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-69 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-70 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-71 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-72 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-73 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-74 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-75 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-76 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-77 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-78 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-79 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-80 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-81 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-82 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-83 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-84 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-85 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-86 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-87 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-88 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-89 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-90 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-91 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-92 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-93 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-94 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-95 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-96 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-97 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-98 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-99 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM
 - 1-47801-100 FLOW DIAGRAM-REACTOR FEEDWATER SYSTEM



AMENDMENT 26

POWERHOUSE UNIT 1

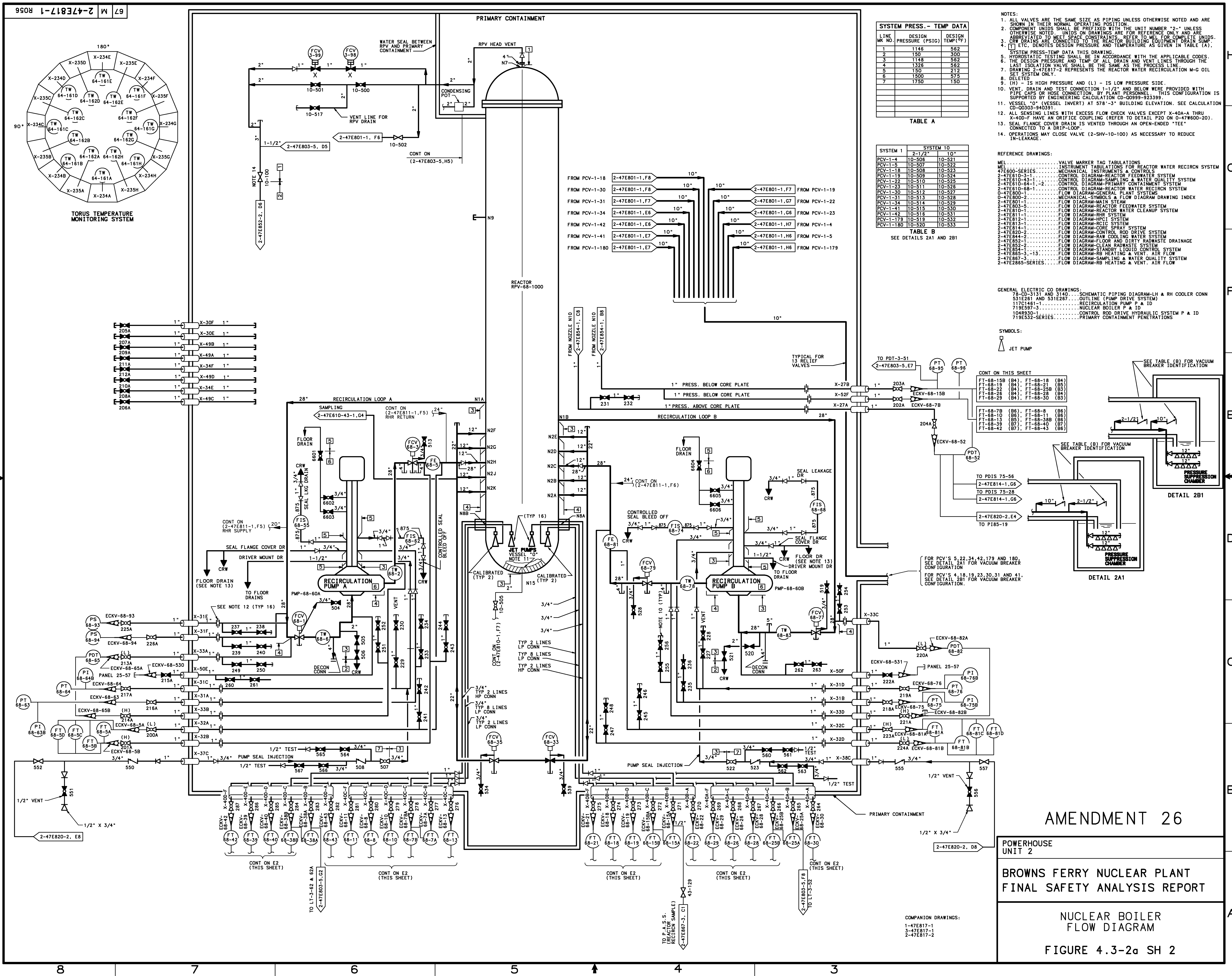
BROWNS FERRY NUCLEAR PLANT

FINAL SAFETY ANALYSIS REPORT

NUCLEAR BOILER

FLOW DIAGRAM

FIGURE 4.3-2a SH 1






1

F

NOTES:

1. ALL VALVES ARE THE SAME SIZE AS PIPING UNLESS OTHERWISE NOTED.
2. ALL VALVE BODY DRAINS, BONNET VENTS AND PACKING LEAKOFFS ARE 1/2" - UNLESS OTHERWISE NOTED.
3. DELETED
4. ALL DRAINS SHOW  INDICATES CLOSED SYSTEM.
5. CRY DRAINS ARE CONNECTED TO THE REACTOR BUILDING EQUIPMENT
6. [ETC.] DENOTES DESIGN PRESSURE AND TEMPERATURE AS GIVEN IN TABLE (A) SYSTEM PRESS-TEMP DATA THIS DRAWING.
7. HYDROSTATIC TESTING SHALL BE IN ACCORDANCE WITH APPLICABLE CODES.
8. THE DESIGN PRESSURE AND TEMP OF ALL DRAIN AND VENT LINES THROUGH LAST ISOLATION VALVE SHALL BE THE SAME AS THE PROCESS LINE.
9. ALL VALVES ARE PREFIXED H-HIGH AND L-LOW INSTRUMENTS ARE PREFIXED W-WHICH ONE LINE EITHER HIGH OR LOW PRESSURE.
10. (H) = HIGH PRESSURE AND (L) = LOW PRESSURE SIDE.
11. UNITS OF MEASURE: LENGTH IN FEET - BUILDINGS ARE ABBREVIATED SEE CALCULATION CD-Q0003-Q04091.
12. UNITS ON DRAWING ARE FOR REFERENCE ONLY AND ARE ABBREVIATED UNLESS OTHERWISE NOTED - REFER TO BUILDING FOR COMPLETE UNITS.
13. ALL SENSING LINES HAVE EXCESS FLOW CHECK VALVES EXCEPT X-40-A-P-200 WHICH HAS AN OFFICE FLUID CHECK VALVE. (REFER TO DETAIL P200 ON X-476600-20).
14. VENT, DRAIN, AND TEST CONNECTIONS 1"-1/2" AND BELOW CAN BE MADE BY PIPE FITTING UNLESS OTHERWISE SPECIFIED WHEN REQUIRED BY PLANT PERSONNEL. THIS CONFORMANCE IS SUPPORTED BY RECORDS OF INSPECTION.
15. OPERATIONS MAY CLOSE VALVE (3-SHV-10-100) AS NECESSARY TO REMOVE SEAL.
16. SEAL IN GAGE COVER IS SWITCHED THROUGH AN OPEN-FRAME

[illegible]

BROWNS FERRY NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT

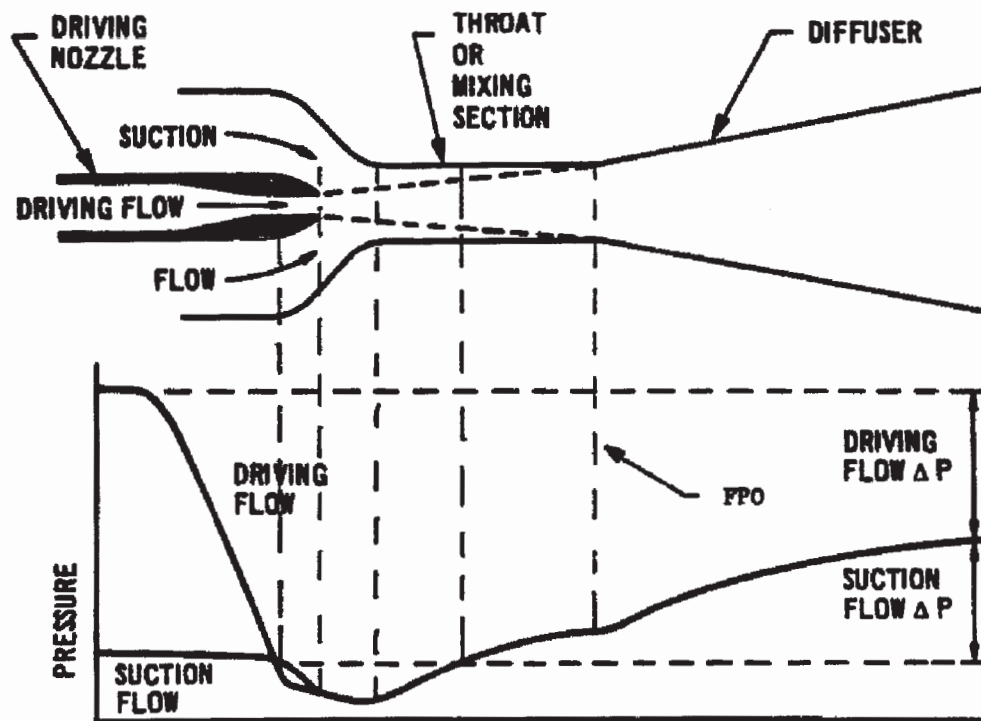
NUCLEAR BOILER FLOW DIAGRAM

FIGURE 4.3-2a SH 3

BFN-16

Figure 4.3-2b

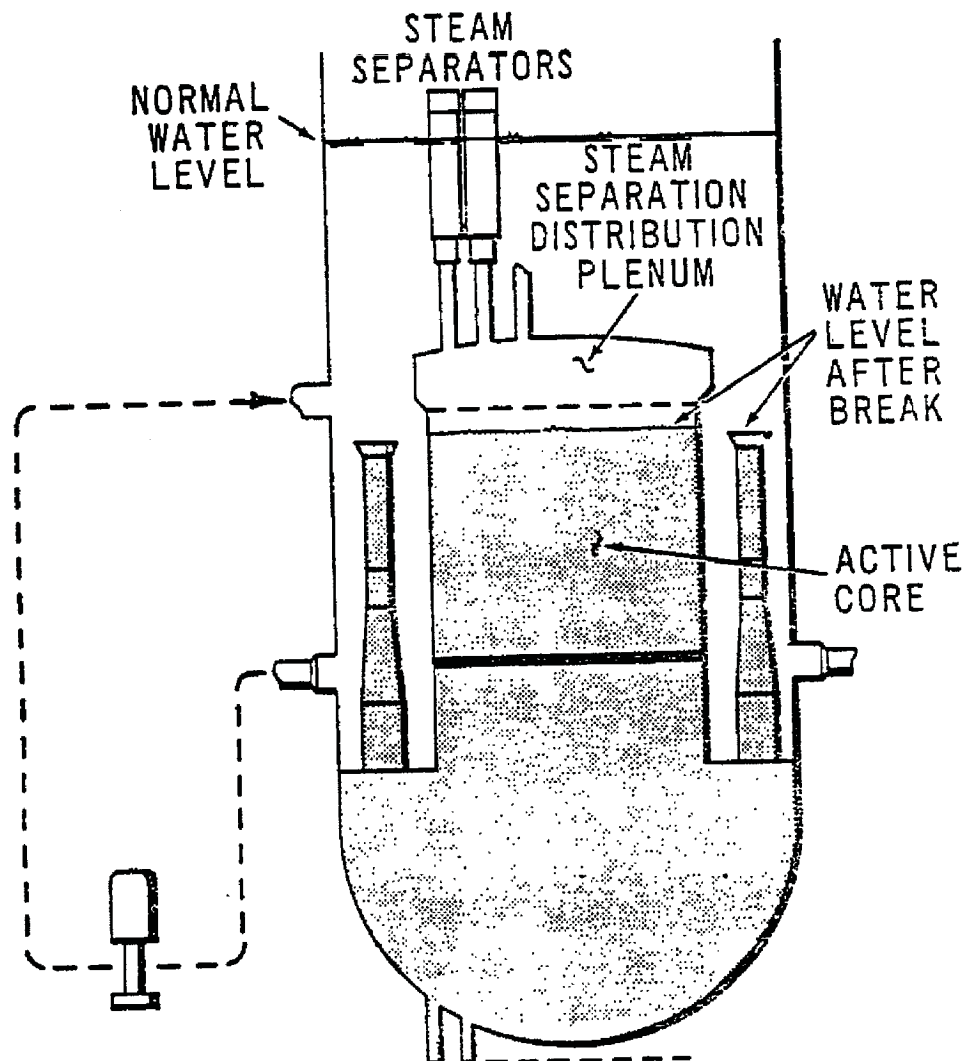
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AMENDMENT 16

BROWNS FERRY NUCLEAR PLANT
FINAL SAFETY ANALYSIS REPORT

Jet Pump—Operating Principle
FIGURE 4.3-3



AMENDMENT 16

**BROWNS FERRY NUCLEAR PLANT
FINAL SAFETY
ANALYSIS REPORT**

**Recirculation System - Core
Flooding Capability
Figure 4.3-4**