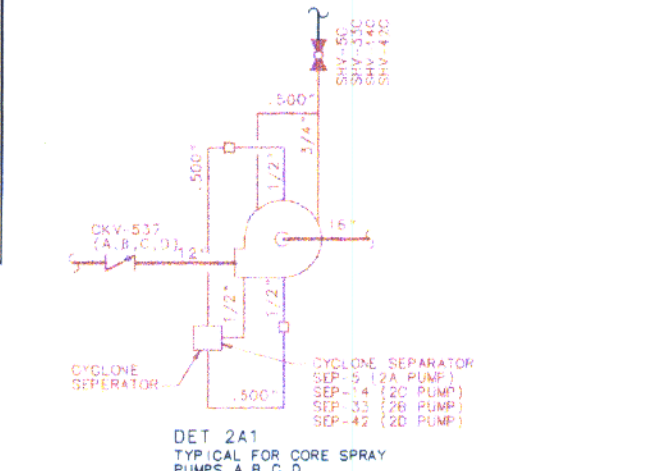


- NOTES:
1. DRAIN DRUMS ARE CONNECTED TO REACTOR BUILDING EQUIPMENT DRAIN SUMP.
  2. DRAIN DRUMS ARE CONNECTED TO REACTOR BUILDING FLOOR DRAIN SUMP.
  3. BELIEVED.
  4. ALL VALVES ARE THE SAME SIZE AS PIPING UNLESS OTHERWISE NOTED.
  5. ALL PRESSURE AND TEST CONNECTIONS ARE 1/2" UNLESS OTHERWISE NOTED.
  6. ALL VALVE BODY VENTS, BODY DRAINS AND PACKING LEAKOFFS ARE 1/2" UNLESS OTHERWISE NOTED.
  7. FLOW DIRECTIONS SHOWN ARE FOR NORMAL SYSTEM OPERATION UNLESS NOTED.
  8. [ ] DENOTES DESIGN PRESSURE AND TEMPERATURE AS GIVEN IN TABLE THIS DRAWING.
  9. UNITS ON DRAWINGS ARE FOR REFERENCE ONLY AND ARE ABBREVIATED AS SHOWN IN THE EXAMPLE TO SAVE SPACE UNLESS OTHERWISE NOTED. FOR COMPLETE UNITS, ALL UNITS ARE IN UNITS UNLESS OTHERWISE NOTED. LENGTHS ARE IN FEET, UNLESS OTHERWISE NOTED. WEIGHTS ARE IN POUNDS, UNLESS OTHERWISE NOTED. FOR ADDITIONAL GUIDANCE, REFER TO 2-47E814-1-1S1.
  10. THE DESIGN PRESSURE AND TEMPERATURE OF ALL DRAIN AND VENT LINES THROUGH THE LAST ISOLATION VALVE SHALL BE THE SAME AS THE PROCESS LINE.
  11. TOLERANCES OF ±1/4" ±1" TO BE APPLIED TO INDICATED ELEVATIONS FOR 15'-15.99' B.C. & D.
  12. FITTING INSTALLED IS PART OF A 1/4" UNION, TYPICAL 3 PLACES.
  13. THE CONDENSATE HEAD TANK MAY BE USED TO SERVE RHW AND CORE SPRAY SYSTEMS. PIPING, INSTEAD OF UNIT 2, IS PRESUMED. SUPPLY CHAMBER FROM HEAD TANK WHEN USED FOR THIS PURPOSE. THE CONDENSATE HEAD TANK SHALL NOT BE REMOVED FROM SERVICE. THE CONDENSATE LEVEL SWITCHES 0-15-2-124, B, C AND D, (REFER TO 2-47E814-1, D4).
  14. VALVES 2-10-2-25 & 52 WILL SEAL LEAK RIGHT OR LEFT IN THE DIRECTION OF FLOW IN THE SYSTEM. THE VALVE IS NOT TO BE USED FOR AS-LEFT TESTING.
  15. CAP IS OPTIONAL.
  16. VENT, DRAIN AND TEST CONNECTIONS 1/2" AND BELOW CAN BE PROVIDED WITH 3/8" PIPE OR HOSE CONNECTION FITTINGS, UNLESS OTHERWISE NOTED. THIS CONNECTION IS SUPPORTED BY ENGINEERING CALCULATION CD-00999-123589.
  17. FOR ORIFICE COUPLING SEE 0-47E80-20, DETAIL P10.
  18. ISI SUFFIX FROM REFERENCE CONTINUATION DWS HAS BEEN OMITTED, AS APPLICABLE.
  19. THE ISI CODE CLASS DRAWING DOES NOT NECESSARILY REPRESENT THE ACTUAL UNIT DRAWING.
  20. ALL ASME SECTION XI RIVETS HAVE A TOLERANCE OF 1/8" OF BEIPOINT TO DETERMINE EXPANDED SCOPE TESTING. THE 1/8" TOLERANCE IS NOT TO BE USED FOR AS-LEFT TESTING.

- REFERENCE DRAWINGS:
- 0-47E80-1 ..... FLOW DIAGRAM-GENERAL PLANT SYSTEM
  - 0-47E80-2 ..... FLOW DIAGRAM-GENERAL PLANT SYSTEM
  - 0-47E80-3 ..... FLOW DIAGRAM-GENERAL PLANT SYSTEM
  - 0-47E80-4 ..... FLOW DIAGRAM-GENERAL PLANT SYSTEM
  - 0-47E80-5 ..... FLOW DIAGRAM-GENERAL PLANT SYSTEM
  - 0-47E80-6 ..... FLOW DIAGRAM-GENERAL PLANT SYSTEM
  - 0-47E80-7 ..... FLOW DIAGRAM-GENERAL PLANT SYSTEM
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  - 0-47E80-99 ..... FLOW DIAGRAM-GENERAL PLANT SYSTEM
  - 0-47E80-100 ..... FLOW DIAGRAM-GENERAL PLANT SYSTEM

LINE NO.	DESIGN PRESS. (PSIG)	TEMP. (F)
1	1500	577
2	600	350
3	150	150
4	150	150
5	150	150
6	150	150
7	150	150
8	150	150
9	150	150
10	150	150



FOR ASME SECTION XI USE ONLY

- ASME CODE CLASS 1 EQUIVALENT
  - ASME CODE CLASS 2 EQUIVALENT
  - ASME CODE CLASS MC EQUIVALENT
  - NON NUCLEAR CODE CLASS
- △ DENOTES ISI REVISION

DOE	DCN 140346	JLM	DMC	RLO	12-2-97
REVISED PER	DCN 140346-008-000, DCN 140346				
REV.	CHANGE REF.	PREPARED	CHECKER	APPROVED	DATE
SCALE:	NONE	POWERHOUSE	POWERHOUSE	EXCEPT AS NOTED	SYSTEM NO. 75

UNIT 2  
ASME SECTION XI  
FLOW DIAGRAM  
CORE SPRAY SYSTEM  
CODE CLASS BOUNDARIES

BROWNS FERRY NUCLEAR PLANT  
TENNESSEE VALLEY AUTHORITY

DESIGN	INITIAL ISSUE	ENGINEERING APPROVAL
DRAYER	PG	1 JES
CHECKER	RTG	2 GJB
DESIGNER	REVIEWER	3 SVA
DATE	ISSUED BY:	ISSUED BY:
3-17-91	67 M 2-47E814-1-1S1	RO09

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