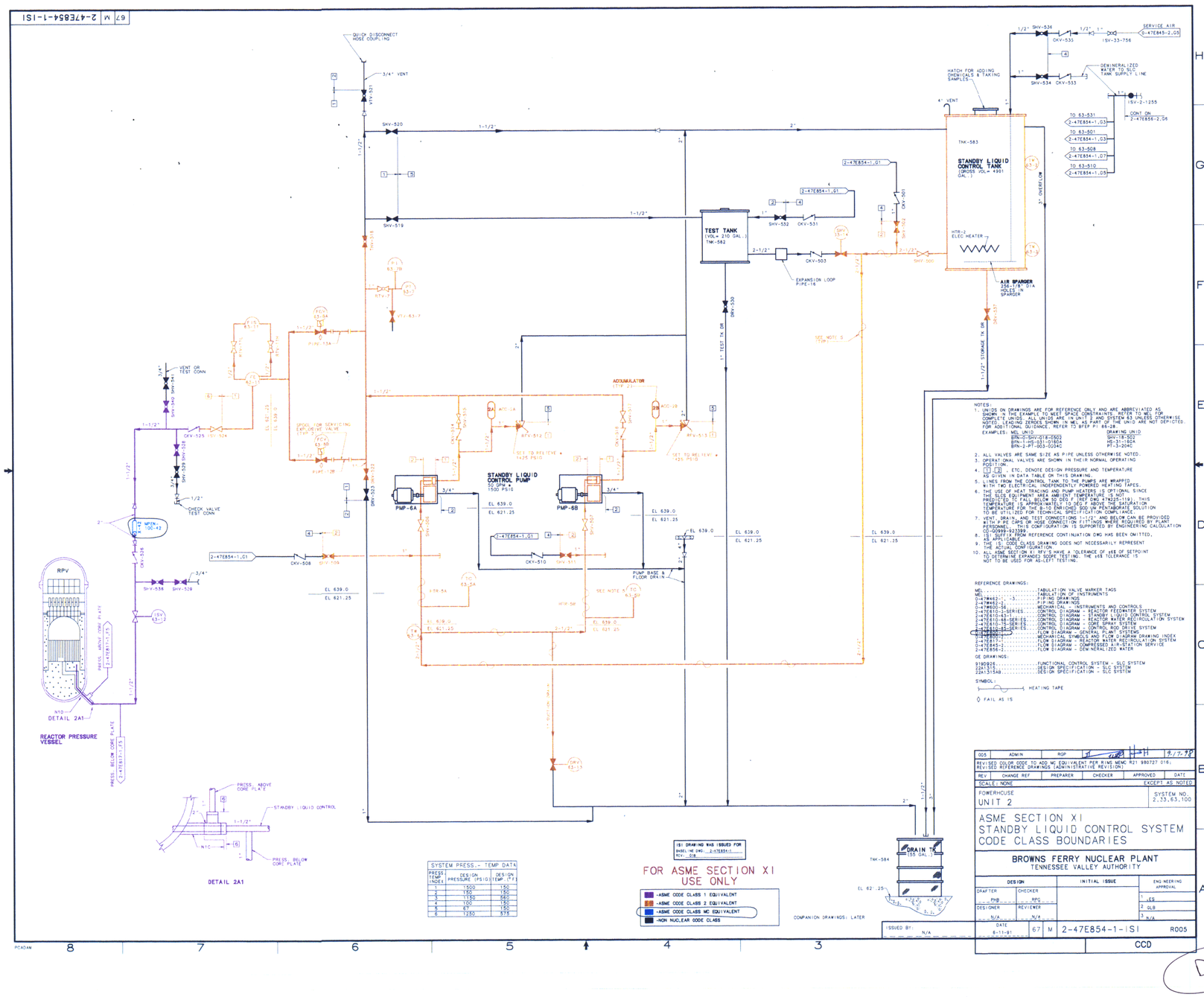
67 M 2-47E854-1-ISI



SYSTEM PRESS.- TEMP. DATA		
PRESS. TEMP. INDEX	DESIGN PRESSURE (PSIG)	DESIGN TEMP. (°F)
1	1500	150
2	1150	150
3	1150	560
4	100	150
5	67	150
6	1250	575

ISI DRAWING WAS ISSUED FOR BASELINE ENG: 2-47E854-1 REV: 018

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

COMPANION DRAWINGS: LATER

NOTES:
1. UNIDS ON DRAWINGS ARE FOR REFERENCE ONLY AND ARE ABBREVIATED AS SHOWN IN THE EXAMPLE TO MEET SPACE CONSTRAINTS. REFER TO MEL FOR COMPLETE UNIDS. ALL UNIDS ARE 14N UNIT 2 AND SYSTEM 63 UNLESS OTHERWISE NOTED. LEADING ZEROES SHOWN IN MEL AS PART OF THE UNID ARE NOT DEPICTED. FOR ADDITIONAL GUIDANCE, REFER TO BFEP PI 86-28.
EXAMPLES: MEL UNID — DRAWING UNID
BFN-C-SHV-018-0502 — SHV-18-502
BFN-1-HS-031-0180A — HS-31-180A
BFN-2-PT-063-0204C — PT-3-204C
2. ALL VALVES ARE SAME SIZE AS PIPE UNLESS OTHERWISE NOTED.
3. OPERATIONAL VALVES ARE SHOWN IN THEIR NORMAL OPERATING POSITION.
4. [1] [2] ... ETC., DENOTE DESIGN PRESSURE AND TEMPERATURE AS GIVEN IN DATA TABLE ON THIS DRAWING.
5. LINES FROM THE CONTROL TANK TO THE PUMPS ARE WRAPPED WITH TWO ELECTRICAL INDEPENDENTLY POWERED HEATING TAPES.
6. THE USE OF HEAT TRACING AND PUMP HEATERS IS OPTIONAL SINCE THE SLCS EQUIPMENT AREA AMBIENT TEMPERATURE IS NOT PREDICTED TO FALL BELOW 50 DEG F (REF DWG 47B225-119). THIS TEMPERATURE IS APPROXIMATELY 10 DEG ABOVE THE PRECIPITATION TEMPERATURE FOR SODIUM PENTABORATE SOLUTION TO BE UTILIZED FOR TECHNICAL SPECIFICATION COMPLIANCE.
7. VENT, DRAIN, AND TEST CONNECTIONS 1-1/2" AND BELOW CAN BE PROVIDED WITH PIPE CAPS OR HOSE CONNECTION FITTINGS WHERE REQUIRED BY PLANT PERSONNEL. THIS CONFIGURATION IS SUPPORTED BY ENGINEERING CALCULATION CD-Q0999-923389.
8. ISI SYMBOLOGY FROM REFERENCE CONTINUATION DWG HAS BEEN OMITTED, AS INAPPLICABLE.
9. THE ISI CODE CLASS DRAWING DOES NOT NECESSARILY REPRESENT THE ACTUAL CONFIGURATION.
10. ALL ASME SECTION XI RFV'S HAVE A TOLERANCE OF ±6% OF SETPOINT TO DETERMINE EXPANDED SCOPE TESTING. THE ±6% TOLERANCE IS NOT TO BE USED FOR AS-LEFT TESTING.

REFERENCE DRAWINGS:
MEL.....TABULATION VALVE MARKER TAGS
MEL.....TABULATION OF INSTRUMENTS
0-47M462-1, -3.....PIPING DRAWINGS
0-47M650-1, -2.....MECHANICAL
0-47M650-56.....MECHANICAL - INSTRUMENTS AND CONTROLS
2-47E610-3-SERIES.....CONTROL DIAGRAM - REACTOR FEEDWATER SYSTEM
2-47E610-43-1.....CONTROL DIAGRAM - STANDBY LIQUID CONTROL SYSTEM
2-47E610-68-SERIES.....CONTROL DIAGRAM - REACTOR WATER RECIRCULATION SYSTEM
2-47E610-73-SERIES.....CONTROL DIAGRAM - CORE SPRAY SYSTEM
2-47E610-76-SERIES.....CONTROL DIAGRAM - CONTROL ROD DRIVE SYSTEM
2-47E700-1.....FLOW DIAGRAM - GENERAL PLANT SYSTEMS
2-47E811-1.....MECHANICAL SYMBOLS AND FLOW DIAGRAM DRAWING INDEX
2-47E817-1.....FLOW DIAGRAM - REACTOR WATER RECIRCULATION SYSTEM
0-47E845-1.....FLOW DIAGRAM - COMPRESSED AIR STATION SERVICE
2-47E856-1.....FLOW DIAGRAM - DEMINERALIZED WATER

GE DRAWINGS:
919D826.....FUNCTIONAL CONTROL SYSTEM - SLC SYSTEM
22A1315.....DESIGN SPECIFICATION - SLC SYSTEM
22A1315AB.....DESIGN SPECIFICATION - SLC SYSTEM

SYMBOL:
HEATING TAPE
◊ FAIL AS IS

005	ADMIN	ROP		8/7/98
REVISED COLOR CODE TO ADD MC EQUIVALENT PER RIMS MEMO 921 980727 018; REVISED REFERENCE DRAWINGS (ADMINISTRATIVE REVISION)				
REV	CHANGE REF	PREPARER	CHECKER	APPROVED / DATE

SCALE: NONE — EXCEPT AS NOTED

POWERHOUSE UNIT 2 — SYSTEM NO. 2,33,63,100

ASME SECTION XI STANDBY LIQUID CONTROL SYSTEM CODE CLASS BOUNDARIES

BROWNS FERRY NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY

DESIGN		INITIAL ISSUE	ENGINEERING APPROVAL
DRAFTER: PHB	CHECKER: MPG		1. LEB
DESIGNER: N/A	REVIEWER: N/A		2. GLB
			3. N/A

ISSUED BY: N/A — DATE: 8-11-81 — 67 M 2-47E854-1-ISI R005 — CCD

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