67 M 2-47E810-1-ISI

NOTES CONT:

13. 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-Q0999-923399.
14. ISI SUFFIX FROM REFERENCE CONTINUATION DWG HAS BEEN OMITTED, AS APPLICABLE.
15. THE ISI CODE CLASS DRAWING DOES NOT NECESSARILY REPRESENT THE ACTUAL CONFIGURATION.

NOTES:

1. CRW DRAINS ARE CONNECTED TO REACTOR BUILDING EQUIPMENT DRAIN SUMP.
2. ALL VENTS AND DRAINS SHOWN ⊣⋈⊢ INDICATES CLOSED SYSTEM.
3. FOR NON-REGENERATIVE HEAT EXCHANGER SHELL CONNECTIONS SEE REACTOR BUILDING CLOSED COOLING WATER SYSTEM DWG 2-47E822-1, A4.
4. ALL VALVES ARE THE SAME SIZE AS PIPING, UNLESS OTHERWISE NOTED.
5. ALL VALVES SHALL BE TAGGED. VALVE NUMBERS SHALL BE PRECEDED BY THE UNIT NUMBER AND SYSTEM NUMBER, I.E. 1-69-501, 2-69-501. VALVES PERTAINING TO ONE ITEM OF A GROUP MAY BE SUFFIXED WITH THE APPROPRIATE LETTER, I.E. 2-69-514A (PUMP A), 2-69-514B (PUMP B).
6. INSTRUMENTS ARE PREFIXED 2- UNLESS OTHERWISE NOTED.
7. [1] ETC. DENOTES DESIGN PRESSURE AND TEMPERATURE AS GIVEN IN TABLE THIS DRAWING
8. HYDROSTATIC TESTING SHALL BE IN ACCORDANCE WITH THE APPLICABLE CODES.
9. THE DESIGN PRESSURE AND TEMPERATURE OF ALL DRAIN AND VENT LINES THROUGH THE LAST ISOLATION VALVE SHALL BE THE SAME AS THE PROCESS LINE.
10. THESE LETTER DESIGNATIONS CORRESPOND TO THE INTERFACE POINTS SHOWN ON INGERSOLL-RAND DRAWING 0-62325949-1 AND 62368659-1.
11. CAPS ARE OPTIONAL.
12. UNIDS ON DRAWING ARE FOR REFERENCE ONLY AND ARE ABBREVIATED TO MEET SPACE CONSTRAINTS. REFER TO MEL FOR COMPLETE UNIDS. ALL UNIDS ARE PREFIXED BFN-2- UNLESS OTHERWISE NOTED.

REFERENCE DRAWINGS:

MEL.....VALVE MARKER TAG TABULATION
MEL.....INSTRUMENT TABULATION
2-47E610-69-1.....CONTROL DIAGRAM-RWCU SYSTEM
0-47E800-1.....FLOW DIAGRAM-GENERAL PLANT SYSTEMS
0-47E800-2.....MECHANICAL SYMBOLS AND FLOW DIAGRAM DRAWING INDEX
2-47E803-1.....FLOW DIAGRAM-REACTOR FEEDWATER
3-47E810-1.....FLOW DIAGRAM-REACTOR WATER CLEANUP SYSTEM
2-47E811-1.....FLOW DIAGRAM-RHR SYSTEM
2-47E813-1.....FLOW DIAGRAM-RCIC SYSTEM
2-47E817-1.....FLOW DIAGRAM-REACTOR WATER RECIRCULATION
2-47E820-2.....FLOW DIAGRAM-CONTROL ROD DRIVE SYSTEM
2-47E822-1.....FLOW DIAGRAM-RBCCW SYSTEM
2-47E837-1.....FLOW DIAGRAM-RWCU DMNRLZR SYSTEM
2-47E852-2.....FLOW DIAGRAM-CLEAN RADWASTE
2-47E855-1.....FLOW DIAGRAM-FUEL POOL COOLING SYSTEM

GENERAL ELECTRIC CO DRAWINGS:
T-12728D.....FLOW DIAGRAM-REACTOR WATER CLEAN-UP FILTER DEMINERALIZER SYSTEM (GRAVER)

PRIMARY CONTAINMENT
REACTOR
NOTE 11
3/4" VENT
CRW
TEST
DECONTAMINATION TAP
TO NUCLEAR BOILER DRAINS & VENTS SYS
CRACK MONITORING SAMPLE RETURN (FUTURE)
TO RHR SYSTEM 2-47E811-1,F5
RECIRCULATION LOOP A
THERMAL SLEEVE
FROM RCIC SYS 2-47E813-1,F6
FROM CRD HYDRAULIC SYS 2-47E820-2,C2
REACTOR FW SYS LINE B 2-47E803-1, F6
THERMAL TEE
FOR CLEANUP RECIRCN PUMP SEAL WATER SEE DET 2A1,B6
RWCU RECIRCULATION PUMP 2A
RWCU RECIRCULATION PUMP 2B
RWCU RECIRCULATION PUMPS
RATED CAP. 180 GPM @ 500 FT TDH
2" DECONTAMINATION FLUSH CONN
1" DRAIN
3/4" DRAIN
CASING VENT
RELIEF VALVE SET @ 1450 PSIG
REGENERATIVE HEAT EXCHANGERS
NON-REGENERATIVE HEAT EXCHANGERS (SEE NOTE 3)
2A
2B
2C
50154 S2
50154 S3
FROM REACTOR WATER CLEANUP DEMINERALIZER TANKS 2A & 2B 2-47E837-1,B8
TO REACTOR WATER CLEANUP DEMINERALIZER TANKS 2A & 2B 2-47E837-1,B8
FUPG-32-5105
DRAIN TO MAIN CONDENSER HOTWELL VIA FUEL POOL DRAIN LINES 2-47E855-1, C7
RELIEF VALVE SET 1-1/2" @ 150 PSIG
TO WASTE COLLECTOR AND SURGE TANK 1-47E810-1, B8
FROM RHR SYSTEM FLUSH 2-47E811-1, H7
FROM CRD HYDRAULIC SYS 2-47E820-2, D7
SET AT 1350 PSIG
RWCU PUMP 2A SEAL
RWCU PUMP 2B SEAL
SEAL INJECTION INLET
PUMPING GLAND SEAL COOLING OUTLET
PUMPING GLAND SEAL COOLING INLET
RWCU SEAL WATER COOLER
RBCCW SYSTEM 2-47E822-1 A8
RBCCW SYSTEM 2-47E822-1 A5
RWCU PUMP SKID
DRW RUBBER HOSE (TYP 2)
FOR CONT. SEE THIS DWG. G5 (TYP 2)
DETAIL 2A1
FROM COORD. F5

SYSTEM PRESS.- TEMP DATA		
LINE MK NO.	DESIGN PRESSURE (PSIG)	DESIGN TEMP (°F)
1	1148	562
2	1300	564
3	1450	575
4	1300	150
5	150	150
6	1375	545
7	1750	150
8	120	103
9	1148	150
10	1148	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

ISI DRAWING WAS ISSUED FOR BASELINE DWG: 2-47E810-1 REV: 027

COMPANION DRAWINGS: 1-47E810-1

ISSUED BY: N/A

014	50154 S2, S3	RDL	WCH	RLD	9-19-2000
REVISED PER DCA 50154-011-000, 50154 S2; DCA 50154-017-000, DCN 50154 S3					
REV	CHANGE REF	PREPARER	CHECKER	APPROVED	DATE

SCALE: NONE — EXCEPT AS NOTED

POWERHOUSE UNIT 2 — SYSTEM NO. 69 (85)

ASME SECTION XI REACTOR WATER CLEAN-UP SYSTEM CODE CLASS BOUNDARIES

BROWNS FERRY NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY

DESIGN		INITIAL ISSUE	ENGINEERING APPROVAL
DRAFTER PHB	CHECKER RPG		1 JES
DESIGNER N/A	REVIEWER N/A		2 GLB
			3 N/A

DATE 6-17-91 | 67 | M | 2-47E810-1-ISI | R014

CAD MAINTAINED DRAWING | CCD

D-17