



- NOTES:
- 1 THIS DRAWING IS BASED UPON THE 114E0794, REVISION 12 (BASE DRAWING) OF WESTINGHOUSE ELECTRIC CORPORATION NUCLEAR FURNACE SYSTEM, PITTSBURGH, PA. WHO IS SOLELY RESPONSIBLE FOR THE ACCURACY OR THE RELIABILITY OF THE DESIGN INFORMATION SET FORTH IN THIS DRAWING.
 - 2 FOR ALPHA REFERENCES, SEE DWG. L-302-002, FLOW DIAGRAM LEGEND.
 - 3 VALVE INTRODUCER WITH REACTOR COOLANT SYSTEM PRESSURE SIGNAL.
 - 4 FOR CONVENTIONAL PIPING SPECIFICATIONS, SEE GAI SPECIFICATION SP-310-001-01, PAGE 2A, (WESTINGHOUSE PIPE CLASS CONVERSION TO ENGINEER'S PIPE LINE SPECIFICATION).
 - 5
 - 6 (WITH LETTER DESIGNATION) INDICATES THERMAL TRANSIENT DESIGN PLAN.
 - 7 LOCATE VALVE OUTSIDE OF SHIELD WALL. SAMPLE LINE MUST BE AT A LOWER ELEVATION THAN PIPE TO ALLOW GRAVITY FLOW.
 - 8 LOCATE VALVE ABOVE RESIDUAL HEAT REMOVAL PUMP BUILDING.
 - 9 TEMPORARY STRAINER IS PLACED IN SPOKE PIECE DURING INITIAL FLOWING OPERATIONS. STRAINER MUST BE REMOVED BEFORE PLANT START UP STRAINER AND SPOKE PIECE SUPPLIED BY OTHER. "A" CAPPED USE IS CONNECTED TO PRESSURE GAUGE DURING INITIAL FLOWING.
 - 10
 - 11 PROVIDE 3/8" 18 FLOW RESTRICTOR PER NOTE 4, SEE DWG. L-302-002, FLOW DIAGRAM LEGEND.
 - 12 LIR 1000 & LIR 1021 ARE ONLY USED DURING MID-LOOP (BOTH PUMP OPERATIONS).
 - 13 THIS FLANGE HAS BEEN DRILLED AND TAPPED TO ACCEPT A 3/4" COMPRESSION FITTING TO FACILITATE LEAK WORK. THE FITTING SHALL BE CAPPED AT OTHER TAPS.
 - 14 PIPE IS QUALITY RELATED "RELIEF AND SAFETY VALVE DISCHARGE" PIPING PER TRP-13.
 - 15 THIS FLANGE HAS BEEN DRILLED AND TAPPED TO ACCEPT A 3/4" COMPRESSION FITTING TO FACILITATE DRINK. THE FITTING SHALL BE CAPPED AT OTHER TAPS.

PLEX Drawing TR00160-002

THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE INITIATED OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL.

FSAR Figure 5.5-4

SOUTH CAROLINA ELECTRIC & GAS COMPANY
 VIRGIL C. SIMMER NUCLEAR STATION
 SYSTEM FLOW DIAGRAM
 RESIDUAL HEAT REMOVAL

DRAWING LEGIBILITY CLASS 1
 SCE&G CAD ENHANCED

NO.	DATE	BY	REVISION	CHK. BY	APPROVAL
12	8/26/88	AVN	REVISED PER MRF-22840	MGR	JEW
11	10/25/85	AVN	REVISED PER CTRF-365	MGR	ALB
10	10/21/85	SEM	REVISED PER MRF-34006	MGR	JEW
14	8/28/88	JIS	REVISED PER NEN 80-0071	MGR	COB
13	8/28/88	JIS	REVISED PER CGSS-97-0569	LEK	MGR
NO.	DATE	BY	REVISION	CHK. BY	APPROVAL

DESIGN DATA

2	350	350	800	850	150	35
1	400	350	450	350	180	35
(a)	PSIG	"	PSIG	"	PSIG	"
	NORMAL		OPERATE		HYDROTEST	

* SYSTEM MAY BE OPERATED AT PRESSURE UP TO 800 PSIG DURING NORMAL PLANT OPERATIONS. REFER TO DESIGN SPECIFICATION (DSP-5440A, TABLE 3).

1/4" = 1'-0"