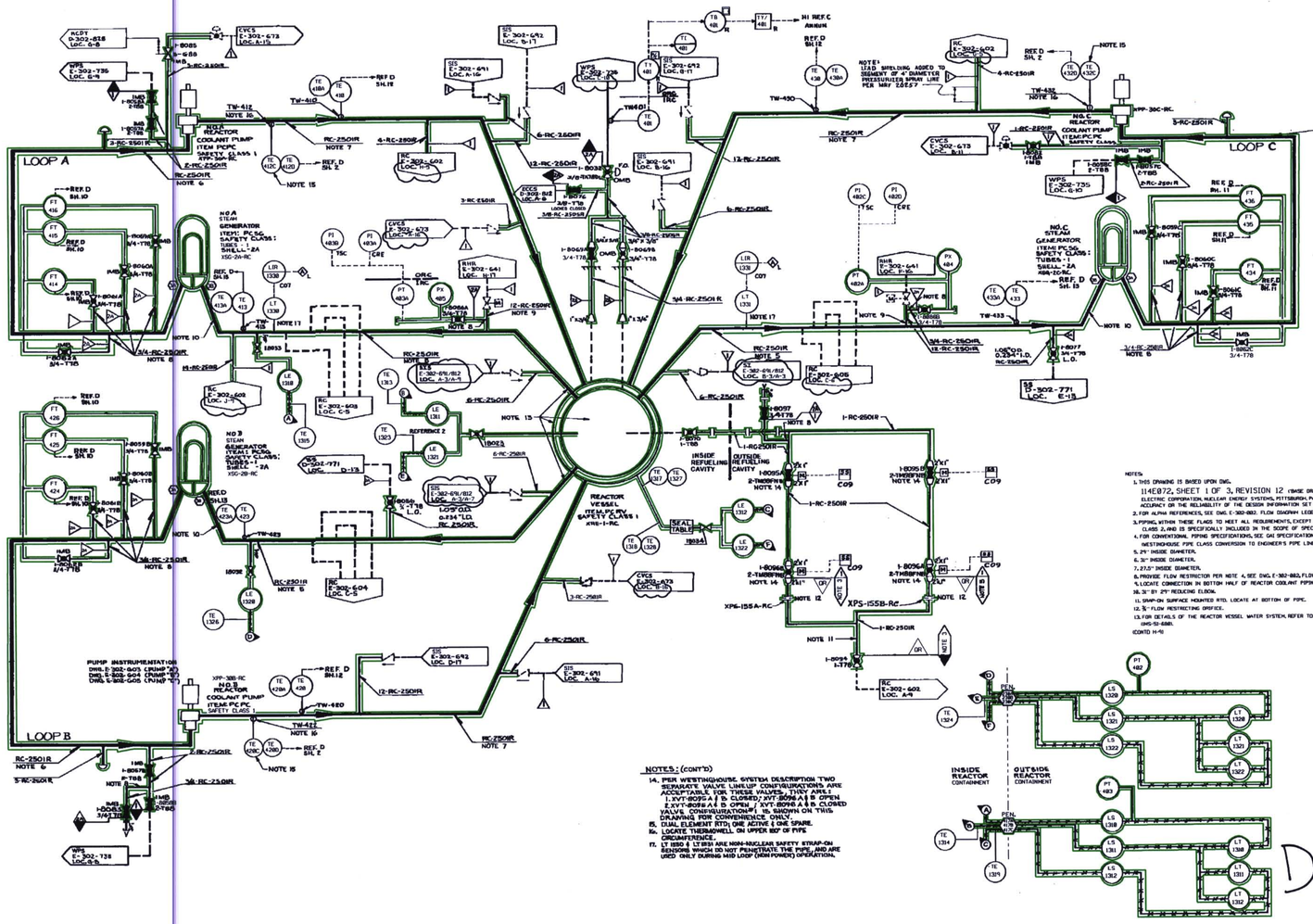

NOTES:

1. THIS DRAWING IS BASED UPON DWG. 114E072, SHEET 1 OF 3, REVISION 12 (BASE DRAWING) OF WESTINGHOUSE ELECTRIC CORPORATION, NUCLEAR ENERGY SYSTEMS, PITTSBURGH, PA WHO IS SOLEY RESPONSIBLE FOR THE ACCURACY OR THE RELIABILITY OF THE DESIGN INFORMATION SET FORTH IN THE BASE DRAWING.
2. FOR ALPHA REFERENCES, SEE DWG. E-302-002, FLOW DIAGRAM LEGEND.
3. PIPING, WITHIN THESE FLAGS TO MEET ALL REQUIREMENTS, EXCEPT FOR STAMPING, OF ASME CODE SECTION III, CLASS 2, AND IS SPECIFICALLY INCLUDED IN THE SCOPE OF SPECIFICATION ISP-514-844481-0000.
4. FOR CONVENTIONAL PIPING SPECIFICATIONS, SEE QAI SPECIFICATION SP329-448-WA, PAGE 24, (WESTINGHOUSE PIPE CLASS CONVERSION TO ENGINEER'S PIPE LINE SPECIFICATION.
5. 29" INSIDE DIAMETER.
6. 31" INSIDE DIAMETER.
7. 27.5" INSIDE DIAMETER.
8. PROVIDE FLOW RESTRICTOR PER NOTE 4, SEE DWG. E-302-002, FLOW DIAGRAM LEGEND.
9. LOCATE CONNECTION IN BOTTOM HALF OF REACTOR COOLANT PIPING ON 45° ANGLE TO VERTICAL.
10. 31" BY 27" REDUCING ELBOW.
11. SWP-ON SURFACE MOUNTED RTD. LOCATE AT BOTTOM OF PIPE.
12. 3/4" FLOW RESTRICTING ORIFICE.
13. FOR DETAILS OF THE REACTOR VESSEL WATER SYSTEM, REFER TO FLOW DIAGRAM 155F8149 (WS-51-6081.
(CONTD H-16)

NOTES: (CONT'D)

14. PER WESTINGHOUSE SYSTEM DESCRIPTION TWO REMOTE VALVE LINEUP CONFIGURATIONS ARE ACCEPTABLE FOR THESE VALVES. THEY ARE:
   1. XVT-8095A & B CLOSED; XVT-8096A & B OPEN
   2. XVT-8095A & B OPEN ; XVT-8096A & B CLOSED
   VALVE CONFIGURATION #1 IS SHOWN ON THIS DRAWING FOR CONVENIENCE ONLY.
15. DUAL ELEMENT RTD; ONE ACTIVE & ONE SPARE.
16. LOCATE THERMOWELL ON UPPER 180° OF PIPE CIRCUMFERENCE.
17. LT 1350 & LT 1351 ARE NON-NUCLEAR SAFETY STRAP-ON SENSORS WHICH DO NOT PENETRATE THE PIPE, AND ARE USED ONLY DURING MID LOOP (NON POWER) OPERATION.

D-129

THIS IS A NUCLEAR SAFETY RELATED DRAWING. NO CHANGES MAY BE MADE OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL

PLEX Drawing TR00160-002

FSAR Figure 5.1-1, Sht 1

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION

SYSTEM FLOW DIAGRAM
REACTOR COOLANT

DESIGN ENGINEERING

15	05/08/91	JWN	REVISED PER CCN-91-0069	LCK	MGR
14	06/19/89	JWN	REVISED PER CCN-89-0181	MGR	MGR
13	05/04/89	JWN	REVISED PER CCN-89-0077	MGR	DDS
12	05/09/89	JWN	REVISED PER CCN-0000	MGR	LCK
NO.	DATE	BY	REVISION	DWN BY	APPROVAL

DRAWING LEGIBILITY CLASS 1

SCENG CAD ENHANCED

A.V.N. | M.G.R. | D.D.S.

E-302-601 | 15