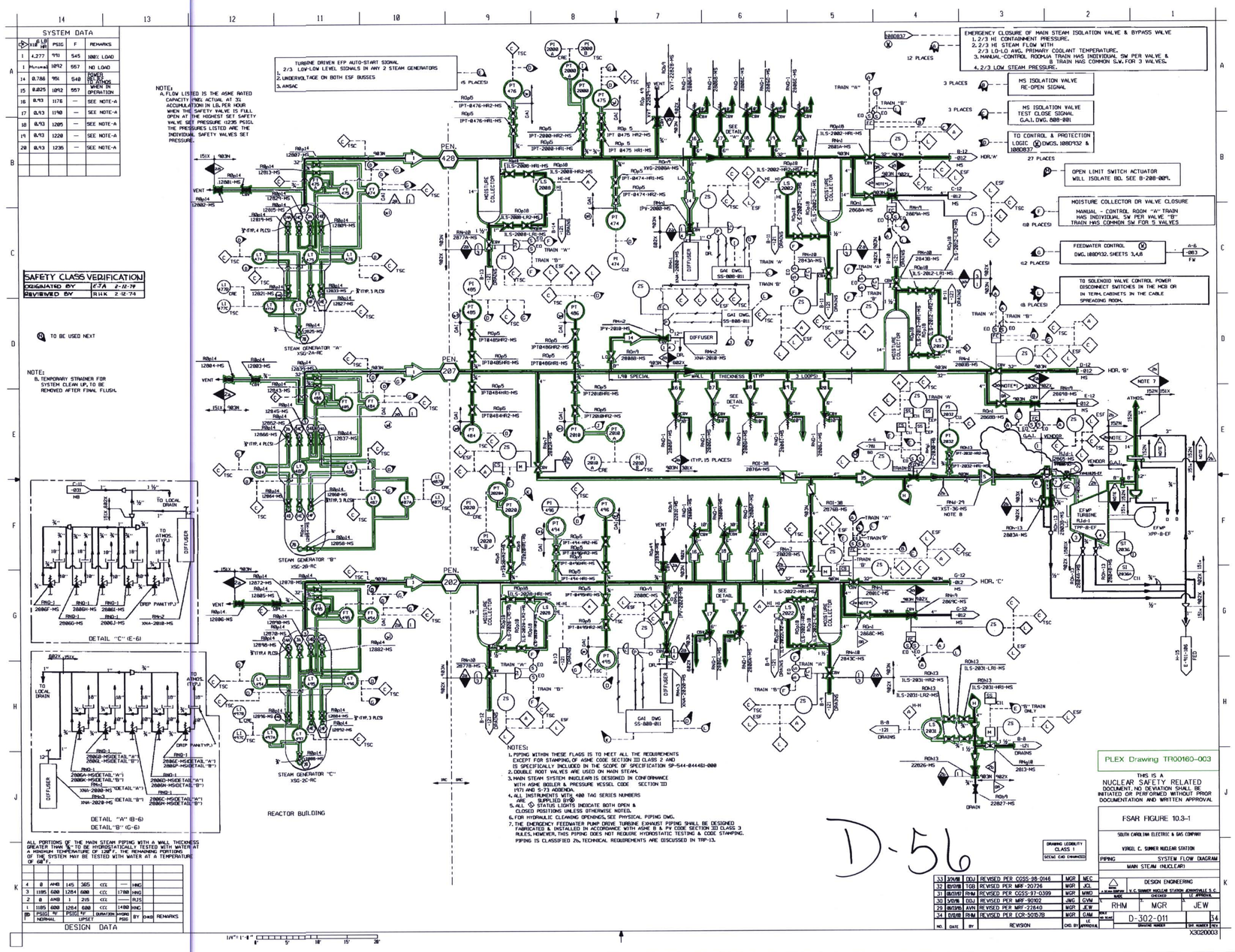

SYSTEM DATA

	X10⁶ LB/HR	PSIG	F	REMARKS
1	4.277	991	545	100% LOAD
1	Minimal	1092	557	NO LOAD
14	0.788	951	540	POWER TO ATMOS. WHEN IN OPERATION
15	0.025	1092	557	
16	0.93	1176	—	SEE NOTE-A
17	0.93	1190	—	SEE NOTE-A
18	0.93	1205	—	SEE NOTE-A
19	0.93	1220	—	SEE NOTE-A
20	0.93	1235	—	SEE NOTE-A

NOTE:
A. FLOW LISTED IS THE ASME RATED CAPACITY (90% ACTUAL AT 3% ACCUMULATION) IN LB. PER HOUR WHEN THE SAFETY VALVE IS FULL OPEN AT THE HIGHEST SET SAFETY VALVE SET PRESSURE (1235 PSIG). THE PRESSURES LISTED ARE THE INDIVIDUAL SAFETY VALVES SET PRESSURE.

SAFETY CLASS VERIFICATION		
ORIGINATED BY	EJA	2-12-79
REVIEWED BY	RHK	2-12-74

TO BE USED NEXT

NOTE:
B. TEMPORARY STRAINER FOR SYSTEM CLEAN UP, TO BE REMOVED AFTER FINAL FLUSH.

NOTES:
1. PIPING WITHIN THESE FLAGS IS TO MEET ALL THE REQUIREMENTS EXCEPT FOR STAMPING, OF ASME CODE SECTION III CLASS 2 AND IS SPECIFICALLY INCLUDED IN THE SCOPE OF SPECIFICATION SP-544-044461-000
2. DOUBLE ROOT VALVES ARE USED ON MAIN STEAM.
3. MAIN STEAM SYSTEM INUCLEAR IS DESIGNED IN CONFORMANCE WITH ASME BOILER & PRESSURE VESSEL CODE SECTION III (97) AND S-73 AGENDA.
4. ALL INSTRUMENTS WITH 400 TAG SERIES NUMBERS ARE SUPPLIED BY
5. ALL STATUS LIGHTS INDICATE BOTH OPEN & CLOSED POSITIONS UNLESS OTHERWISE NOTED.
6. FOR HYDRAULIC CLEANING OPENINGS, SEE PHYSICAL PIPING DWG.
7. THE EMERGENCY FEEDWATER PUMP DRIVE TURBINE EXHAUST PIPING SHALL BE DESIGNED FABRICATED & INSTALLED IN ACCORDANCE WITH ASME B & PV CODE SECTION III CLASS 3 RULES. HOWEVER, THIS PIPING DOES NOT REQUIRE HYDROSTATIC TESTING & CODE STAMPING. PIPING IS CLASSIFIED 2b. TECHNICAL REQUIREMENTS ARE DISCUSSED IN TRP-13.

ALL PORTIONS OF THE MAIN STEAM PIPING WITH A WALL THICKNESS GREATER THAN ¾" TO BE HYDROSTATICALLY TESTED WITH WATER AT A MINIMUM TEMPERATURE OF 120°F. THE REMAINING PORTIONS OF THE SYSTEM MAY BE TESTED WITH WATER AT A TEMPERATURE OF 60°F.

ID	PSIG NORMAL	°F	PSIG UPSET	°F	DURATION	HORIZ PSIG	BY	CHKD	REMARKS
4	0	AMB	145	365	12%	—	HNG		
3	1185	600	1284	600	12%	1780	HNG		
2	0	AMB	1	215	12%	—	RJS		
1	1185	600	1284	600	12%	1480	HNG		

DESIGN DATA

PLEX Drawing TR00160-003

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

FSAR FIGURE 10.3-1

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION

PIPING — SYSTEM FLOW DIAGRAM

MAIN STEAM (NUCLEAR)

DRAWING LEGIBILITY CLASS 1 SCE&G CAD ENHANCED

NO.	DATE	BY	REVISION	CHK BY	LE APPROVAL
33	3/24/88	DDJ	REVISED PER CGSS-88-0146	MGR	MEC
32	01/11/88	TGB	REVISED PER MRF-20726	MGR	JCL
31	08/31/87	RHM	REVISED PER CGSS-87-0399	MGR	MWD
30	3/01/88	DDJ	REVISED PER MRF-90102	JWG	CVM
29	09/31/85	AVN	REVISED PER MRF-22640	MGR	JEW
34	01/08/88	RHM	REVISED PER ECR-50157B	MGR	GJM

DESIGN ENGINEERING
V.C. SUMMER NUCLEAR STATION JENNINGVILLE, S.C.

MADE	CHECKED	LE APPROVAL
RHM	MGR	JEW

DRAWING NUMBER: D-302-011 — SHT NUMBER: 34 — REV: 34

X3020003

D-56