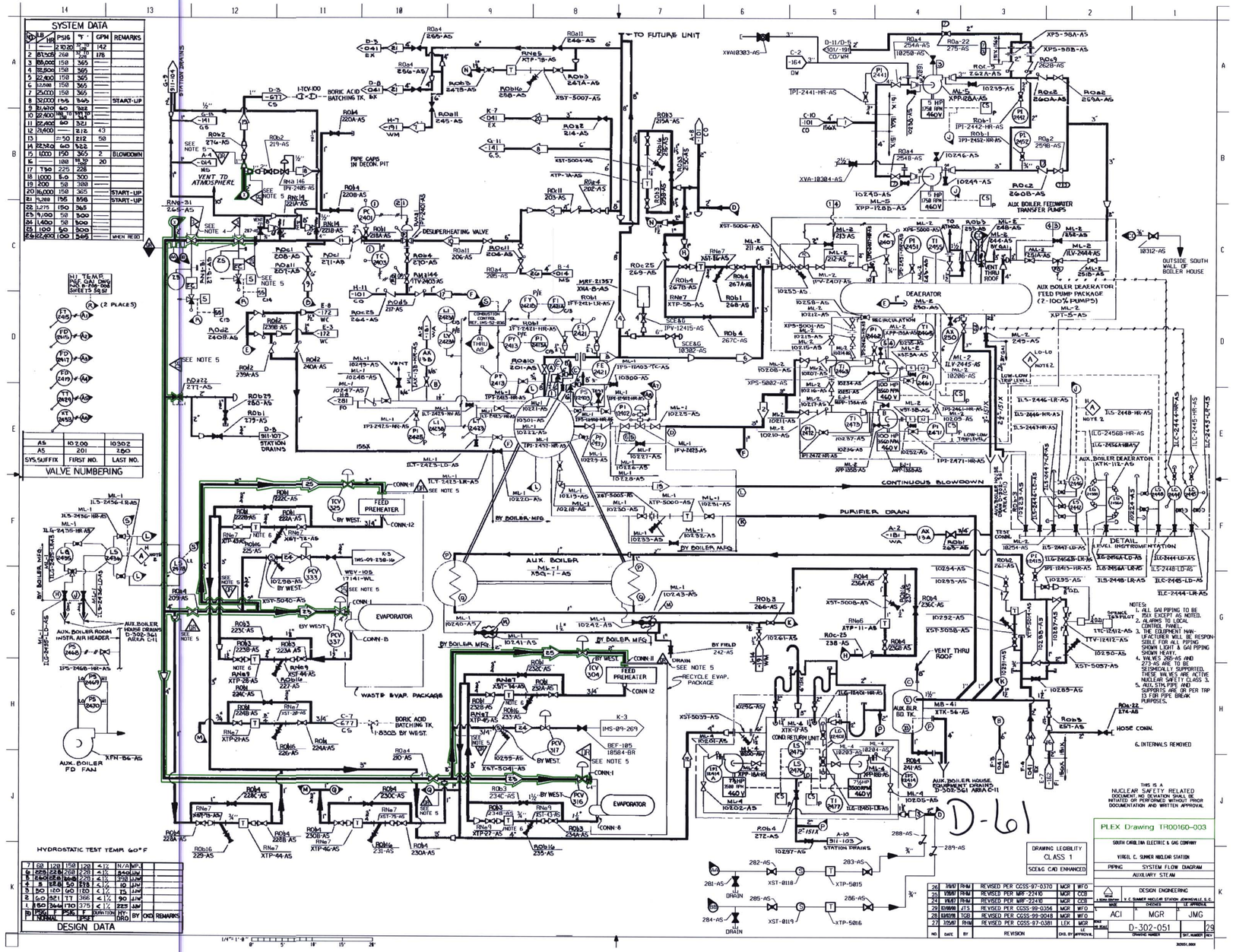

SYSTEM DATA

NO.	LB/HR	PSIG	°F	GPM	REMARKS
1	—	2 10 20	32 to 100	142	
2	87,505	260	32 to 100	178	
3	88,000	150	365	—	
4	82,500	150	365	—	
5	22,400	150	365	—	
6	12,500	150	365	—	
7	25,000	150	365	—	
8	32,000	155	365	—	START-UP
9	21,670	60	322	—	
10	22,400	100 to 150	100 to 365	—	
11	22,400	60	321	—	
12	21,400	—	212	43	
13	—	250	212	50	
14	22,320	60	322	—	
15	1000	150	365	2	BLOWDOWN
16	—	100	100 to 150	20	
17	750	225	228	—	
18	1000	50	300	—	
19	200	50	300	—	
20	16,000	150	365	—	START-UP
21	9,200	155	365	—	START-UP
22	1,275	150	365	—	
23	9,100	50	300	—	
24	1,400	50	300	—	
25	100	50	300	—	
26	22,400	100	365	—	WHEN REQD

SYS. SUFFIX	FIRST NO.	LAST NO.
A5	10200	10302
A5	201	250

VALVE NUMBERING

HYDROSTATIC TEST TEMP. 60°F

7	60	120	150	120	4½	N/A	MPL	
6	225	228	260	228	4½	540	UW	
5	260	228	260	228	4½	390	UW	
4	8	228	50	228	4½	10	UW	
3	50	120	60	120	4½	75	UW	
2	60	321	77	366	4½	90	UW	
1	150	366	170	375	4½	225	UW	
NO.	PSIG NORMAL	T	PSIG DESIGN	T	DURATION	HYDRO	BY	CKD	REMARKS

DESIGN DATA

NOTES:
1. ALL GAI PIPING TO BE 1/2X EXCEPT AS NOTED.
2. ALARMS TO LOCAL CONTROL PANEL.
3. THE EQUIPMENT MANUFACTURER WILL BE RESPONSIBLE FOR ALL PIPING SHOWN LIGHT & GAI PIPING SHOWN HEAVY.
4. VALVES 265-AS AND 273-AS ARE TO BE SEISMICALLY SUPPORTED. THESE VALVES ARE ACTIVE NUCLEAR SAFETY CLASS 3.
5. AUX. STM. PIPE AND SUPPORTS ARE OR PER TRP 13 FOR PIPE BREAK PURPOSES.
6. INTERNALS REMOVED

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

DRAWING LEGIBILITY CLASS 1
SCE&G CAD ENHANCED

NO.	DATE	BY	REVISION	CKD. BY	LE APPROVAL
26	7/11/97	RHM	REVISED PER CGSS-97-0370	MGR	WFO
25	7/25/97	RHM	REVISED PER MR-22410	MGR	CCB
24	7/11/97	RHM	REVISED PER MR-22410	MGR	CCB
23	12/10/98	JTS	REVISED PER CGSS-99-0356	MGR	WFO
22	11/10/99	TGB	REVISED PER CGSS-99-0048	MGR	WFO
21	7/25/97	RHM	REVISED PER CGSS-97-0381	LEK	MGR

PLEX Drawing TR00160-003

SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMMER NUCLEAR STATION
PIPING SYSTEM FLOW DIAGRAM
AUXILIARY STEAM

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

DRAWN	CHECKED	LE APPROVAL
ACI	MGR	JMG

DRAWING NUMBER: D-302-051 | SHT. NUMBER | REV: 29

302051.0000