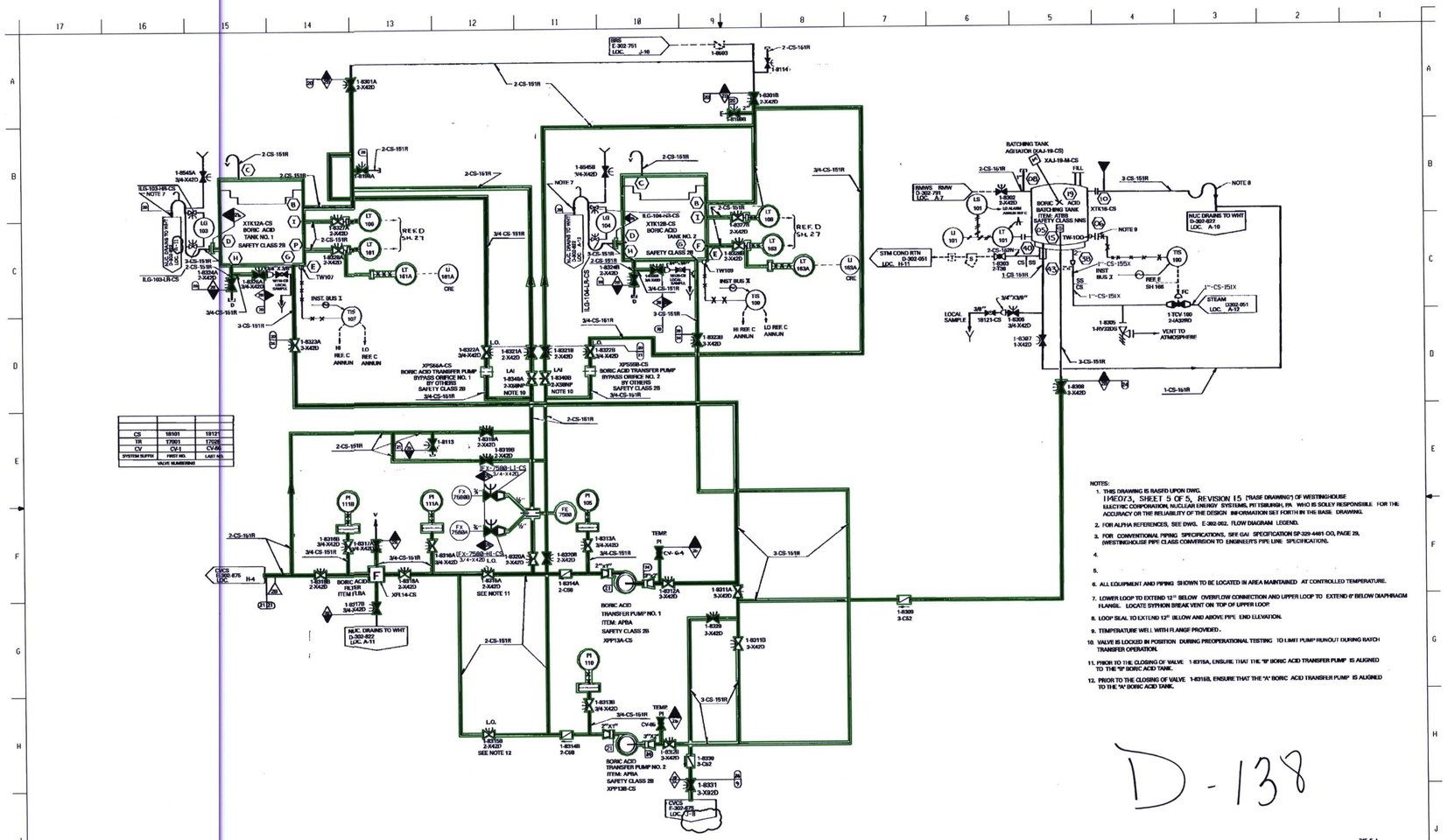

CS	18101	18121
TR	17001	17026
CV	CV-1	CV-66
SYSTEM SUFFIX	FIRST NO.	LAST NO.
VALVE NUMBERING		

NOTES:

1. THIS DRAWING IS BASED UPON DWG. 1HE073, SHEET 5 OF 5, REVISION 15 ("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. FOR CONVENTIONAL PIPING SPECIFICATIONS, SEE GAI SPECIFICATION SP-329-4461 OD, PAGE 29, (WESTINGHOUSE PIPE CLASS CONVERSION TO ENGINEER'S PIPE LINE SPECIFICATIONS.
4.
5.
6. ALL EQUIPMENT AND PIPING SHOWN TO BE LOCATED IN AREA MAINTAINED AT CONTROLLED TEMPERATURE.
7. LOWER LOOP TO EXTEND 12" BELOW OVERFLOW CONNECTION AND UPPER LOOP TO EXTEND 6" BELOW DIAPHRAGM FLANGE. LOCATE SYPHON BREAK VENT ON TOP OF UPPER LOOP.
8. LOOP SEAL TO EXTEND 12" BELOW AND ABOVE PIPE END ELEVATION.
9. TEMPERATURE WELL WITH FLANGE PROVIDED.
10. VALVE IS LOCKED IN POSITION DURING PREOPERATIONAL TESTING TO LIMIT PUMP RUNOUT DURING BATCH TRANSFER OPERATION.
11. PRIOR TO THE CLOSING OF VALVE 1-8315A, ENSURE THAT THE "B" BORIC ACID TRANSFER PUMP IS ALIGNED TO THE "B" BORIC ACID TANK.
12. PRIOR TO THE CLOSING OF VALVE 1-8315B, ENSURE THAT THE "A" BORIC ACID TRANSFER PUMP IS ALIGNED TO THE "A" BORIC ACID TANK.

D-138

HYDROTEST TEMP. 40° F (MIN)

K	24	45	115	150	220	<1%	190
J	21	45	115	148	220	<1%	190
H	20	ATM.	75	ATM.	220	<1%	20
G	9	15	115	110	500	<1%	2.75
		PSIG	°F	PSIA	°F		
		NORMAL		UPSET		HYDRO	HYDRO

DESIGN DATA

1/4" = 1'-0"

DRAWING LEGIBILITY
CLASS 1
SCEAC CAD ENHANCED

NO.	DATE	BY	REVISION	DES.	DRN.	CHK.
4	10/29/91	JRS	REVISED PER SCR 91-0253	SRM	RHM	RLJ
3	12/13/90	JRS	REVISED PER SCR 90-0253	SRM	RHM	RLJ
2	12/13/90	JRS	REVISED PER SCR 90-0253	SRM	RHM	RLJ
1	12/13/90	JRS	REVISED PER SCR 90-0253	SRM	RHM	RLJ

THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE MADE FROM THIS DRAWING WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL

PLEX Drawing: TR00160-002

FSAR Fig. 9.3-16 SH. 5

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION

PIPING — SYSTEM FLOW DIAGRAM
CHEMICAL AND VOLUME CONTROL

DESIGN ENGINEERING
SOUTH CAROLINA ELECTRIC & GAS COMPANY

SRM | RHM | RLJ

E-302-677