

SYSTEM SUFFIX	FIRST NO.	LAST NO.
CS	18101	18121
TR	17801	17828
CV	CV-1	CV-66

VALVE NUMBERING

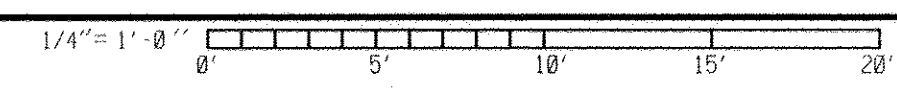
- NOTES:
- THIS DRAWING IS BASED UPON DWG. 114E073, SHEET 5 OF 5, REVISION 15 (BASE DRAWING) OF WESTINGHOUSE ELECTRIC CORPORATION, NUCLEAR ENERGY SYSTEMS, PITTSBURGH, PA WHO IS SOLELY RESPONSIBLE FOR THE ACCURACY OR THE RELIABILITY OF THE DESIGN INFORMATION SET FORTH IN THE BASE DRAWING.
  - FOR ALPHA REFERENCE, SEE DWG. E-302-002, FLOW DIAGRAM LEGEND.
  - FOR CONVENTIONAL PIPING SPECIFICATIONS, SEE GAI SPECIFICATION SP-329-4461-00, PAGE 29. (WESTINGHOUSE PIPE CONVERSION TO ENGINEER'S PIPE LINE SPECIFICATION).
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  - ALL EQUIPMENT AND PIPING SHOWN TO BE LOCATED IN AREA MAINTAINED AT CONTROLLED TEMPERATURE.
  - 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.
  - LOOP SEAL TO EXTEND 12" BELOW AND ABOVE PIPE END ELEVATION.
  - TEMPERATURE WELL WITH FLANGE PROVIDED.
  - VALVE IS LOCKED IN POSITION DURING PREOPERATIONAL TESTING TO LIMIT PUMP RUNOUT DURING BATCH TRANSFER OPERATION.
  - PRIOR TO THE CLOSING OF VALVE 1-8315A, ENSURE THAT THE 'B' BORIC ACID TRANSFER PUMP IS ALIGNED TO THE 'B' BORIC ACID TANK.
  - PRIOR TO THE CLOSING OF VALVE 1-8315B, ENSURE THAT THE 'A' BORIC ACID TRANSFER PUMP IS ALIGNED TO THE 'A' BORIC ACID TANK.

HYDROTEST TEMP. 40°F (MIN)

24	45	115	150	220	<12	190
21	45	115	140	220	<12	190
20	ATM.	75	ATM.	220	<12	20
9	15	115	170	300	<12	2.15

	NORMAL	UPSET	DURATION	HYDRO
PSIG	°F	PSIG	°F	

DESIGN DATA



ESSENTIAL

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

FSAR Fig. 9.3-16 SH. 5

NO.	DATE	BY	REVISION	CHKD. BY	APPROVAL
12	12/01/88	RHM	REVISED PER ECR-51887	MGR	RHM
11	09/07/88	JTS	CADD ENHANCED PER ECR-50229	MGR	DDJ
10	08/06/88	RHM	REVISED PER ECR-50431	RHM	AME
15	12/29/85	JMS	REVISED PER ECR-51887	RHM	NG
14	12/07/85	KO	REVISED PER ECR-51887	MGR	AF
13	10/28/85	RHM	REVISED PER ECR-51887	MGR	AF

DESIGN ENGINEERING	SYSTEM FLOW DIAGRAM	CHEMICAL AND VOLUME CONTROL
RHM	RHM	RLJ

E-302-677