



FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2

**LEGEND**

DESIGN PRESSURE	TEST PRESSURE	MIN. TEST TEMP. °F	TEST MEDIUM
(D4)	600 PSIG	750/795 PSIG	35 WATER
(D9)	240 PSIG	300/310 PSIG	35 WATER
(E4)	150 PSIG	225/245 PSIG	35 WATER
(E9)	200 PSIG	300/310 PSIG	35 WATER
(F1)	150 PSIG	187.5/199 PSIG	35 WATER
(F2)	180 PSIG	150/170 PSIG	35 WATER
(P27)	75 PSIG	94/100 PSIG	35 AIR
(SW)			STANDING WATER
(IS)			INITIAL SERVICE
(N)			NO TEST REQUIRED

NOTE:  
A. VENTS & DRAINS WITH CAPS/BLIND FLANGES ETC. (ASME CL 2 & 3, MH) SHALL BE TESTED TO THE LAST ISOLATION VALVE.

- NOTES:**
- 1) WORK THIS DWG WITH DWGS 20720 THRU 20725, 20728 & 20729.
  - 2) ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX 'CS', UNLESS NOTED OTHERWISE.
  - 3) MAIN FLOW SHOWN DURING BORATION PHASE.
  - 4) PERMANENT SPOOL PIECE INSTALLATION SHOWN. TEMP. SPOOL PIECE WITH STRAINER, PRESS. INSTR., VENTS & DRAINS INSTALLED ONLY DURING FLUSHING OPERATIONS AND IS REMOVED BEFORE START-UP.
  - 5) VENT AND DRAIN COSE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NM-005111 UNLESS OTHERWISE NOTED.
  - 6) REFER TO DRAWING VSL-20774 FOR VALVE LEAKOFFS.
  - 7) INSTRUMENT REFERENCES: (D) TO CONTROL VALVE TCV-3018 ON DWG. 20722
  - 8) CLEANLINESS CLASS 'B'.
  - 9) \* INDICATES VALVES SUPPLIED BY WESTINGHOUSE.
  - 10) SD NO. NAM/MS 202
  - 11) CHILLER SURGE TANK MUST BE HIGH POINT IN THE CHILLER CIRCUIT.

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

REV	DATE	DSGN	DRWN	CHKD	SES	DESCRIPTION	
5	12/14/94	HPW		BCL	DWS	UHO	INCORP. MH00 93-0545 (2) INCORPORATED DCR 80-10 (2) REVISED NOTE 2, 5 LEGEND NOTE A PER VENT/DRAIN (30008 & ANSI B31.1-1977 SEC. 137.1.2E ADDED CONTINUATION COORDINATES.
4	3/28/85	HRB	RMC	GPM	APL	DJM	INCORP. DCR 87-323 ADDED SET PRESS. FOR V337 PER WESTINGHOUSE PRECAUTIONS, LIMITATIONS & SET POINTS.
3	6/25/88	GPM	RMC	APL	BCL	DJM	REVISED NOTE E EQUIP. CL. PER LEG. PAID PIPING PER AS INSTALLED CONFIGURATION AND ECA 99/886183C. DET. V. NOTE. 2. CCM 2/FINE TO E-10 LINE. NOTE. LINE SIZES, LINE SPTS. LEGEND NOTE 9 PER 99/87777 & ANSI B31.1-1977 SEC. 137.1.2E. ADDED NOTE FOR CS-3977. CONT. COORDS. PAID REF. NOTE. PLCS FOR CS-4337 & 398. NOTE. I/L. REF. DWG. NO. DELETED. REF. DWG. NO. 1-CL. BOUNDARY.
2	8/30/87	GPM	JH	DWS	BCL	PAS	INCORP. ECA 99/886183C. ADDED SPOD PIPING. CHANGE REF. NEW REV. CONTINUATION CLOSED VENT/DRAIN NOTES & ADDED NOTE 10
1	9/12/86	HPW	DWS	MAP	BCL	RRC	ISSUED FOR OPERATIONS
0	6/26/86	DWS	UEAC	BCL	JMCS	RRC	ISSUED FOR OPERATIONS

**North Atlantic Energy Service Corporation**

**CHEMICAL VOLUME & CONTROL SYSTEM THERMAL REGENERATION DETAIL**

PID- 1-CS-D20727

REF. DRAWING NO.	REV.	TITLE
9763-F-000141	2	CVCS THERMAL REGEN MITD
9763-F-004992	10	FLOOR & EQUIPMENT DRAIN SYS
9763-F-005013	15	CVCS THERMAL REGEN P & ID

D-18