



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
Y	TEST BOUNDARY			
F4	INTEGRITY TEST	75 PSIG	94/100 PSIG	35 WATER
A1	INTEGRITY TEST	2735 PSIG	3414/3624 PSIG	35 WATER
A2	INTEGRITY TEST	2405 PSIG	3106/3242 PSIG	35 WATER
D4	INTEGRITY TEST	600 PSIG	758/795 PSIG	35 WATER
D9	INTEGRITY TEST	240 PSIG	300/310 PSIG	35 WATER
E1	INTEGRITY TEST	250 PSIG	375/390 PSIG	35 WATER
E4	INTEGRITY TEST	150 PSIG	225/245 PSIG	35 WATER
E9	INTEGRITY TEST	200 PSIG	300/310 PSIG	35 WATER
F1	INTEGRITY TEST	150 PSIG	187.5/199 PSIG	35 WATER
F2	INTEGRITY TEST	100 PSIG	150/170 PSIG	35 WATER
P27	INTEGRITY TEST	75 PSIG	94/100 PSIG	35 AIR/N ₂
N	NO TEST REQUIRED			

NOTES:
 A. VENTS AND DRAINS WITH CAPS/BLIND FLANGES ETC. (ASME CL 2 & 3) SHALL BE TESTED TO THE LAST ISOLATION VALVE.
 B. REACTOR CONTAINMENT PENETRATION SEAL ATTACHMENT WELD TESTED SATISFACTORILY AS FOLLOWS:
 X-28 PER CS-87 X-30 PER CS-89 X-33 PER CS-81
 X-29 PER CS-87 X-31 PER CS-88 X-37 PER CS-82 & 83
 C. INACCESSIBLE PORTIONS OF LINE NOS 368-9-681-3" AND 332-7-151-2" IN PAB PIPE TRENCHES AT ELEV. 1-6 & 1-126 TESTED SATISFACTORILY PER CS-84 AND CS-85 RESPECTIVELY.
 D. ASME (D4) TEST IS EXTENDED TO THE ANSI PORTION PER MH-13801A.

NOTES:
 1) WORK THIS DWG WITH DWGS. 28720 & 28723 THRU 28729.
 2) ALL LINES, EQUIP., COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX 'CS', UNLESS NOTED OTHERWISE.
 3) VENT AND DRAIN CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER I-MF-08011 UNLESS NOTED OTHERWISE.
 4) DELAY TIME RCS TO HERE MUST BE 45 SECONDS MIN.
 5) VALVE FAILS WITH FLOW TO SEAL WATER RETURN FILTER.
 6) DELETED.
 7) SPRING LOADED CHECK VALVE.
 8) REFER TO DRAWING VSL-28774, FOR VALVE LEAKOFFS.
 9) INSTRUMENT REFERENCE.
 (A) TO CONTROL VALVE TV-130 ON DWG. 28286.
 (B) TO 3-WAY VALVE TCY-124 ON DWG. 28723.
 (C) TO TIS-382 ON DWG. 28728.
 (D) TO TCY-381A, TE-381, TCY-386 & TE-386 ON DWG. 28727.
 10) CLEANLINESS CLASS 'B'.
 11) THE IDENTIFICATION '1' NEAR A VALVE DENOTES THAT VALVE IS DESIGNATED FOR INSERVICE TESTING.
 12) SD NO. N44/ANCH-108.
 13) * INDICATES VALVE SUPPLIED BY WESTINGHOUSE.
 14) LOCATED AS CLOSE AS POSSIBLE TO CONTAINMENT.
 15) DRIFTE PLATE NON-ASME.
 16) TM-126 AND TM-127 TO BE ABANDONED IN PLACE.

PORTIONS OF THIS DRAWING ARE NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CODE	SES	DESCRIPTION
7	4/11/91	DWS	—	RNS	BES	KPA	INCORP. MHOD 978618 DCN#88
6	4/13/92	MRB	—	BCL	DWS	JEV	INCORP. MHOD 91-515 CAB
5	12/3/94	MRB	FCB	PAL	APL	WFO	INCORP. DCN 87-12 CA 84
4	5/4/95	MRB	RNC	GPM	PAL	GWN	INCORP. DCN 87-27 CA 84 REVISED NOTE 2 & LEGEND NOTE 4 REPLACED INFORMATION PER REV. NOTE 4 LEGEND NOTE 4 PER 1742-1000A CORRECT ALPHABETIC DESIGNATION FOR TEST NOTES PER DWG. NOTES 8 & 9 SYS DESIGNATION FOR ISU DWG. NO. DELETED PER DWG. 5, 15-1 CL BOUNDARY ADDED DWG. CONT. CODES, REMOVED CODE FLAGS PER NOTE 3 LEAKOFF 'N' V CODES PER DETAIL A REVISED DRAWING PER ASSEMBLY CONDITION ADDED NOTES 13, 14 & IS CORRECTED DRAWING ERRORS.
3	10/28/97	GPM	HMW	JHM	DWS	BCL	PAS
2	11/26/98	MRJ	OPD	VRD	BCL	RRC	
1	9/28/98	DWS	JEV	BCL	JHS	RRC	ISSUED FOR OPERATIONS

North Atlantic Energy Service Corporation

CHEMICAL & VOLUME CONTROL SYS
HEAT EXCHANGERS
DETAIL

PID- 1-CS-D20722

SEABROOK STATION

REF. DRAWING NO.	REV	TITLE
4763-F-100139	6	CVCS PURIFICATION MITD
4763-F-100141	2	CVCS THERM REGEN MITD
4763-F-885811	19	CVCS PURIFICATION P & ID
4763-F-885813	15	CVCS THERM REGEN P & ID

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