



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
▽	TEST BOUNDARY			
⊙	688 PSIG	798/795 PSIG	35	WATER
⊙	248 PSIG	308/318 PSIG	35	WATER
⊙	15	258 PSIG	375/378 PSIG	35
⊙	15	158 PSIG	225/245 PSIG	35
⊙	15	288 PSIG	308/318 PSIG	35
⊙	75 PSIG	94/108 PSIG	35	AIR/H ₂
⊙	NO TEST REQUIRED			

NOTES:
 A. VENTS & DRAINS (ASME CL. 2 & 3, MMS) SHALL BE TESTED TO THE LAST ISOLATION VALVE.
 B. ASME (D) TEST IS EXTENDED TO THE MMS PORTION PER MH-13081A

- NOTES:
- WORK THIS DWG WITH DWGS. 20728, 20722, & 20724 THRU 20724.
 - ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX "CS" UNLESS NOTED OTHERWISE.
 - VALVE FAILS WITH FLOW BY-PASSING THE DEMINERALIZERS & GOING TO CS-F-2.
 - BLIND FLS. INSTALLED WITHOUT GASKET.
 - THIS VALVE TO BE CLOSED PRIOR TO ANY RESIN SLICING OPERATIONS.
 - REFER TO DRAWING VSL-20774 FOR VALVE LEAKOFFS.
 - INSTRUMENT REFERENCE
 (A) LETDOWN EXCHANGER CS-E-4 & CS-E-8 OUTLET TEMP. TIS-124 & TIS-382 ON DWG. 20722
 - CLEANLINESS CLASS "B".
 - * INDICATES VALVES SUPPLIED BY WESTINGHOUSE
 - DELETED
 - ORIFICE PLATE "NON-ASME"
 - SYSTEM DESCRIPTION NO. MMH/MSH-282
 - △ INDICATES REVISION LEVEL.
 - VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER I-MHY-805111, UNLESS NOTED OTHERWISE.
 - SPECTACLE FLANGE SHOWN IN NORMAL POSITION REVERSED ONLY DURING PURGING OPERATIONS.
 - DELETED.
 - DCR 87-55

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CODE	SES	DESCRIPTION	
14	11/14/87	MPW	---	---	---	---	INCORP DCR 87-55 CAB AND DCN 21	
13	3/21/86	BCS	---	DWS	MPW	RJF	INCORP MMOD 948574 CA#8	
12	2/28/86	DWS	---	MPW	VVS	---	INCORP MMOD 948574 CA#8	
11	3/4/84	MRB	---	BCL	DWS	GM	INCORP MMOD 92-553 CAB1	
10	4/5/83	BCL	---	MPW	MRB	WFZ	INCORP MMOD 91-587 CAB	
9	4/13/82	MRB	---	BCL	DWS	JE+	INCORP MMOD 91-515 CAB	
8	10/8/81	MRB	---	RMC	JM	APL	ES	INCORP MMOD 91-511 CAB AND MMOD 91-528 CAB ADDED & REV. ISO REF DWG NUMBERS
7	2/26/81	MRB	---	FCB	RMC	APL	BCL	INCORP MMOD 90-648 CAB1
6	1/24/80	MRB	---	FCB	RMC	APL	BCL	INCORP MMOD 90-516 CAB DELETED; NOTE 10
5	5/24/81	MRB	---	RMC	GPM	PAL	RRC	INCORPORATED DCR 87-264 CA B ⁹ REVISED NOTE 2
4	5/25/88	GPM	---	RMC	APL	BCL	DJM	INCORP DCR 87-323 REVISED LINE SIZE FOR LINE CS-319-4. PIPING PER AS INSTALLED CON VALVE POSITION PER DWG. 586272 LEGAND NOTE A PER 9763-F-100888 & MMSI 83.1-177 SEC. 137.2.2. ADDED REVISION B TO ALL CS-V-63 & CLASS DESIGNATION AND ISO DWG. MMSI DESIGNATION FOR TEST NOTES. SYS. DESIGNATION FOR ISO DWG NO. & NOTE DELETED. SEE DCS. MMSI-CL BOUNDARY ADDED 3" PIPE AND FLANGE PER ECA 99/116756A. ADDED NOTE AND DWG COORDS FOR DETAIL A. ADDED CONNECTION FLAG LETTERS AND CORRECTED DRAFTING ERRORS. DELETED DETAIL "B".
3	3/28/87	MRJ	---	HIV	MDS	BCL	RRC	INCORP ECA 99/116756A
2	12/12/86	JDM	---	OPD	PAL	BCL	RRC	ADDED NOTE 14 & DWG LOC COORD PER LEAC PIPING ERECTION ISO'S. REV'D TO CLARIFY DUPLICATION OF ASSOC. SYSTEMS. DELETED DWG REF. ADDED LINE NO'S, NOTES, MITD REF DWG. ISO NO'S. RECHORP ECA 99/116756A. INCORP MMSI 82-1178. DCN 88/177A. ADDED VALVES RM-V826 THRU V838. REVISED PER PIP-71272. CORRECTED CONTRIBUTIONS.
1	10/17/86	MPW	---	OPD	MAP	BCL	RRC	ISSUED FOR OPERATIONS
0	6/23/86	DWS	---	LEAC	---	JMS	RRC	---

North Atlantic Energy Service Corporation
 CHEMICAL & VOLUME CONTROL SYS.
 PURIFICATION
 DETAIL

PID- 1-CS-D20723

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