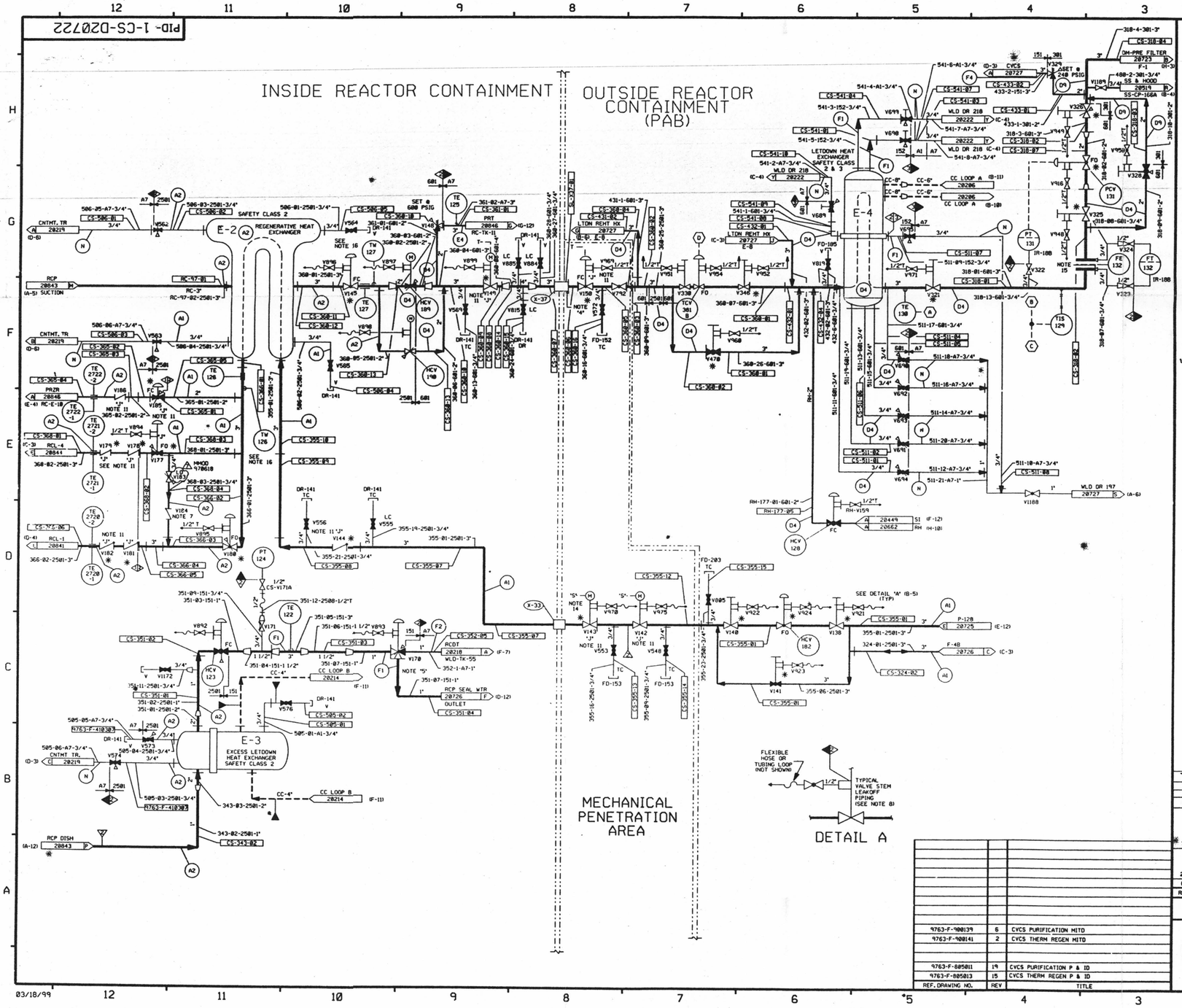
FOR INFORMATION ONLY

PID- 1-CS-D20722

INSIDE REACTOR CONTAINMENT

OUTSIDE REACTOR CONTAINMENT (PAB)



FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

LEGEND

		DESIGN PRESSURE	TEST PRESSURE	MIN. TEST TEMP. F	TEST MEDIUM
	TEST BOUNDARY				
F4	INTEGRITY TEST	75 PSIG	94/100 PSIG	35	WATER
A1	INTEGRITY TEST	2735 PSIG	3419/3624 PSIG	35	WATER
A2	INTEGRITY TEST	2485 PSIG	3186/3292 PSIG	35	WATER
D4	INTEGRITY TEST	600 PSIG	750/795 PSIG	35	WATER
D9	INTEGRITY TEST	240 PSIG	300/318 PSIG	35	WATER
E1	INTEGRITY TEST (IS)	250 PSIG	375/398 PSIG	35	WATER
E4	INTEGRITY TEST (IS)	150 PSIG	225/245 PSIG	35	WATER
E9	INTEGRITY TEST (IS)	200 PSIG	300/318 PSIG	35	WATER
F1	INTEGRITY TEST	150 PSIG	187.5/199 PSIG	35	WATER
F2	INTEGRITY TEST (IS)	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-06 X-30 PER CS-09 X-33 PER CS-01
X-24 PER CS-07 X-31 PER CS-08 X-37 PER CS-02 & 03

C. INACCESSIBLE PORTIONS OF LINE NO'S 368-9-681-3" AND 332-7-151-2" IN PAB PIPE TRENCHES AT ELEV. (-)6 & (-)26 TESTED SATISFACTORILY PER CS-04 AND CS-05 RESPECTIVELY.

D. ASME (D4) TEST IS EXTENDED TO THE ANSI PORTION PER MM-1300A.

NOTES:

1) WORK THIS DWG WITH DWGS. 20720 & 20723 THRU 20729.
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 1-NHY-805111 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-20774, FOR VALVE LEAKOFFS
9) INSTRUMENT REFERENCE.
   - (A) TO CONTROL VALVE TV-130 ON DWG. 20206.
   - (B) TO 3-WAY VALVE TCV-129 ON DWG. 20723.
   - (C) TO TIS-382 ON DWG. 20728.
   - (D) TO TCV-381A, TE-381, TCV-386 & TE-386 ON DWG. 20727.
10) CLEANLINESS CLASS 'B'.
11) THE IDENTIFICATION 'J' NEAR A VALVE DENOTES THAT VALVE IS DESIGNATED FOR INSERVICE TESTING.
12) SD NO. NAH/NCH-208
13) * INDICATES VALVE SUPPLIED BY WESTINGHOUSE.
14) LOCATED AS CLOSE AS POSSIBLE TO CONTAINMENT.
15) ORIFICE PLATE NON-ASME.
16) TW-126 AND TW-127 TO BE ABANDONED IN PLACE.

PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

REF. DRAWING NO.	REV	TITLE
9763-F-900139	6	CVCS PURIFICATION MITD
9763-F-900141	2	CVCS THERM REGEN MITD
9763-F-805811	19	CVCS PURIFICATION P & ID
9763-F-805813	15	CVCS THERM REGEN P & ID

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
7	6/MM	DWS	—	E+S	BCS	DPM	INCORP. MMOD 970618 OCN#00
6	4/13/92	MRB	—	BCL	DWS	JEV	INCORP. MMOD 91-515 CAB
5	12/5/89	MRB	FCB	PAL	APL	WFD	INCORP. DCR 89-12 CA
4	5/3/89	MRB	RMC	GPM	PAL	GRM	INCORP. DCR 87-294 TA 84 REVISED NOTE 2 & LEGEND NOTE A
3	10/30/87	GPM	MW/JM	DWS	BCL	PAS	REVISED NOTES 3 & 8, PIPING PER AS INSTALLED CONFIGURATION, DEL. 'M' NOTE. LEGEND NOTE B PER 9763-F-900004. ADDED NOTE AT (C-3) V921, DWG. CONT. COORD. ADDED DESIGNATION FOR TEST NOTES, REVISED NOTES B & C. SYS DESIGNATION FOR ISO. DWG. NO. DELETED REF. DWG'S, NNS-1 CL. BOUNDARY
2	11/26/86	MRJ	DPO	WRD	BCL	RRC	ADDED DWG CONT COORD'S, REMOVED CODE FLAGS PER NOTE 3, LEAKOFF VLV CODES PER DETAIL A, REVISED DRAIN PIPE PER ASBUILT CONDITION, ADDED NOTES 13, 14 & 15, CORRECTED DRAFTING ERRORS.
0	5/20/86	DWS	DESIGN CAB.	BCL	JMS	RRC	ISSUED FOR OPERATIONS

North Atlantic Energy Service Corporation

SEABROOK STATION

CHEMICAL & VOLUME CONTROL SYS
HEAT EXCHANGERS
DETAIL

PID- 1-CS-D20722

03/18/99

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