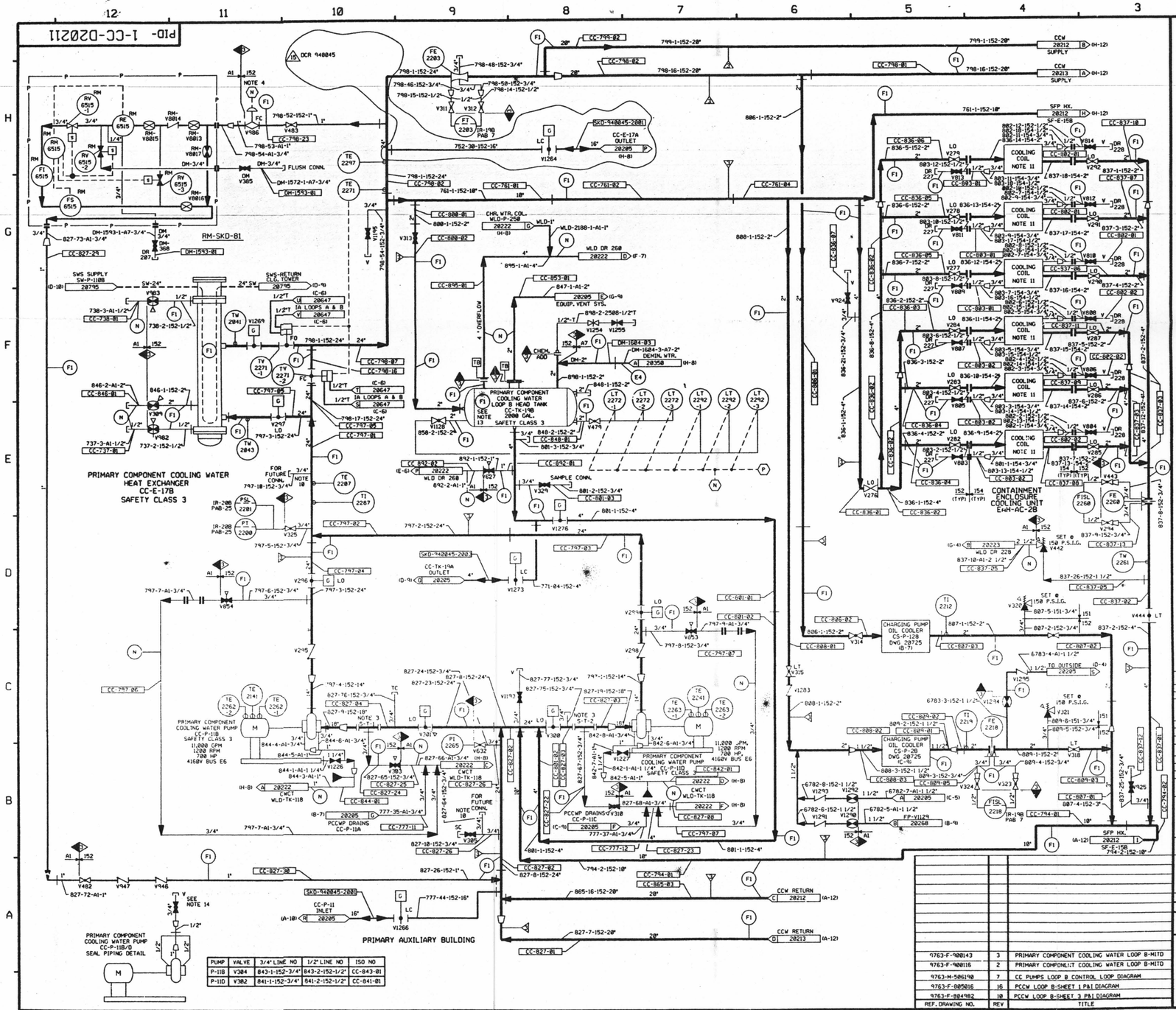
FOR INFORMATION ONLY



PUMP	VALVE	3/4" LINE NO	1/2" LINE NO	ISO NO
P-11B	V304	843-1-152-3/4"	843-2-152-1/2"	CC-843-01
P-11D	V302	841-1-152-3/4"	841-2-152-1/2"	CC-841-01

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				
TB	TEMPORARY TEST BOUNDARY				
E4	INTEGRITY TEST	150 PSIG	225/245 PSIG	60	WATER
F1	INTEGRITY TEST (SEE NOTE 13)	150 PSIG	187.5/199 PSIG	60	WATER
F1	* INTEGRITY TEST 6" & SMALLER PIPE TO HAVE MIN TEST TEMP OF 35°F				
N	NO TEST REQUIRED				

NOTE: A. VENTS & DRAINS (ASME CL. 2 & 3, NNS) SHALL BE TESTED UP TO THE LAST ISOLATION VALVE.

NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 20204 THROUGH 20215.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "1-CC" UNLESS NOTED OTHERWISE.
3. PERMANENT SPOOL PIECE INSTALLATION SHOWN. TEMPORARY STRAINER IS USED IN PLACE OF SPOOL PIECE DURING INITIAL FLUSHING OPERATION STRAINER TO BE REMOVED BEFORE PLANT START-UP.
4. (N) CLOSE ON HEAD TANK TK-19B LOW LEVEL SIGNAL. SIGNAL TO CC-V447 AND CC-V448 ON DWG CC-20212, AND CC-V486 ON THIS DWG (H-11).
   (P) SIGNAL TO CC-V175, CC-V176, CC-V256 & CC-V257 ON DWG. CC-20213
5. VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-805111 UNLESS OTHERWISE NOTED.
6. △ - INDICATES REVISION LEVEL.
7. CLEANLINESS CLASS "C"
8. DELETED
9. SYSTEM DESCRIPTION NUMBER IS SD-23
10. LINE FOR POSSIBLE FUTURE CHEMICAL ADDITION TANK.
11. CONTAINMENT ENCLOSURE AIR HANDLING FOR AC-2B SEE DWG 1-MAH-20495 (B-6).
12. CONNECTION TO BE USED FOR FLUSHING SEE DWG DM-20358 (E-11) & NOTE 6.
13. PCCW HEAD TANK CC-TK-19B DESIGN PRESSURE IS 100 PSIG.
14. QUICK DISCONNECTS MAY BE INSTALLED UPSTREAM OF PIPE CAPS AS DEEMED NECESSARY BY STATION STAFF TO FACILITATE VENT AND DRAIN OPERATIONS.

PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRAWN	CHKD	CDE	SES	DESCRIPTION
15	1/4/99	DWS	—	MPW	DWS	PEB	REINCORP DCR 940845 CA#00
14	11/4/98	BCS	—	MPW	DWS	MAP	INCORP DCR 980025 DCN# 02
13	5/26/98	MPW	—	BCS	DWS	MAP	REVISED PER FP-51349
12	5/28/97	DWS	—	MPW	FAC	VWS	INCORP DCR 960025 DCN# 0 & 960215 DCN#0 & 1. ALSO RELOCATED INSTRUMENT REFERENCE NOTES "W" & "M" FROM THE BODY OF THE P&ID TO NOTE 4.
11	11-27-96	MPW	—	BCS	RRC	PEB	INCORP DCR 94-45 CA#0 & 1
10	3/7/95	BCL	—	MPW	DWS	DMO	INCORP MMOD 92-590 CA#0
9	11/29/94	DWS	—	MPW	BCL	MHO	INCORP MMOD 930545 CA#0
8	4/14/94	BCL	—	MPW	DWS	DMO	INCORP. NCR 74/3356A & MMOD 93-512 CA.0
7	4/13/92	MRB	—	BCL	DWS	JEY	INCORP. MMOD 91-515. CA0
6	12/16/91	RMC	—	FCB	MRB	BCL	INCORP. MMOD 91-511. CA01
5	11/12/91	RMC	—	JM	MRB	JEY	INCORP. DCR 86-447 CA0
4	2/26/91	MRB	RMC	FCB	APL	BCL	INCORP. ECA 99/0060198 & INCORP. MMOD 90-649 CA01 DELETED NOTE 8 AND "J" SYMBOL
3	3/22/88	GPM	JM	APL	BCL	RPC	REVISED: PIPING, NOTES 4 & 5, INSTR. REF. SIGNAL, LINE NO. & LEGEND NOTE PER 9763-F-000000 & ANSI B 31.1 1977-SEC 137.1.26. ADDED: NOTES 11 & 12. VENT & DRAIN DESIGNATION, CONT. DWG NO'S & COORD'S DELETED: MRS-1 CL BOUNDARY.
2	6/16/87	MRW	JM	PAL	BCL	VWS	VALVES V1226 & V1227 SHOWN OPEN PER UEAC P&ID. ADDED: WORD OVERFLOW TO 4" LINE. EVISED CONT. REF. LETTER.
1	10/3/86	BCL	DWS	MAP	VNK	RRC	INCORP ECA 99/31670, 99/0083278 & 99/0076218, MOD 0/1/2 SKID-81 PER FP-71138. CORRECTED LEGEND. ADDED MITD REF DWGS. RACK 180 FOR TT-2283. CONTINUATION REF. NOTES. ADD LINE, FLANGES, LINE NOS & GEAR OPERATOR ON VALVES V296 & V299. ADDED LEGEND NOTE.
0	6/26/86	TAK	UEC CAD	BCL	JMCS	RRC	ISSUED FOR OPERATIONS

REF. DRAWING NO.	REV	TITLE
9763-F-900143	3	PRIMARY COMPONENT COOLING WATER LOOP B-MITD
9763-F-900116	2	PRIMARY COMPONENT COOLING WATER LOOP B-MITD
9763-M-506190	7	CC PUMPS LOOP B CONTROL LOOP DIAGRAM
9763-F-805016	16	PCCW LOOP B-SHEET 1 P&I DIAGRAM
9763-F-804982	10	PCCW LOOP B-SHEET 3 P&I DIAGRAM

North Atlantic Energy Service Corporation

SEABROOK STATION

PRIMARY COMPONENT COOLING LOOP "B" DETAIL

PID- 1-CC-D20211

01/04/99

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