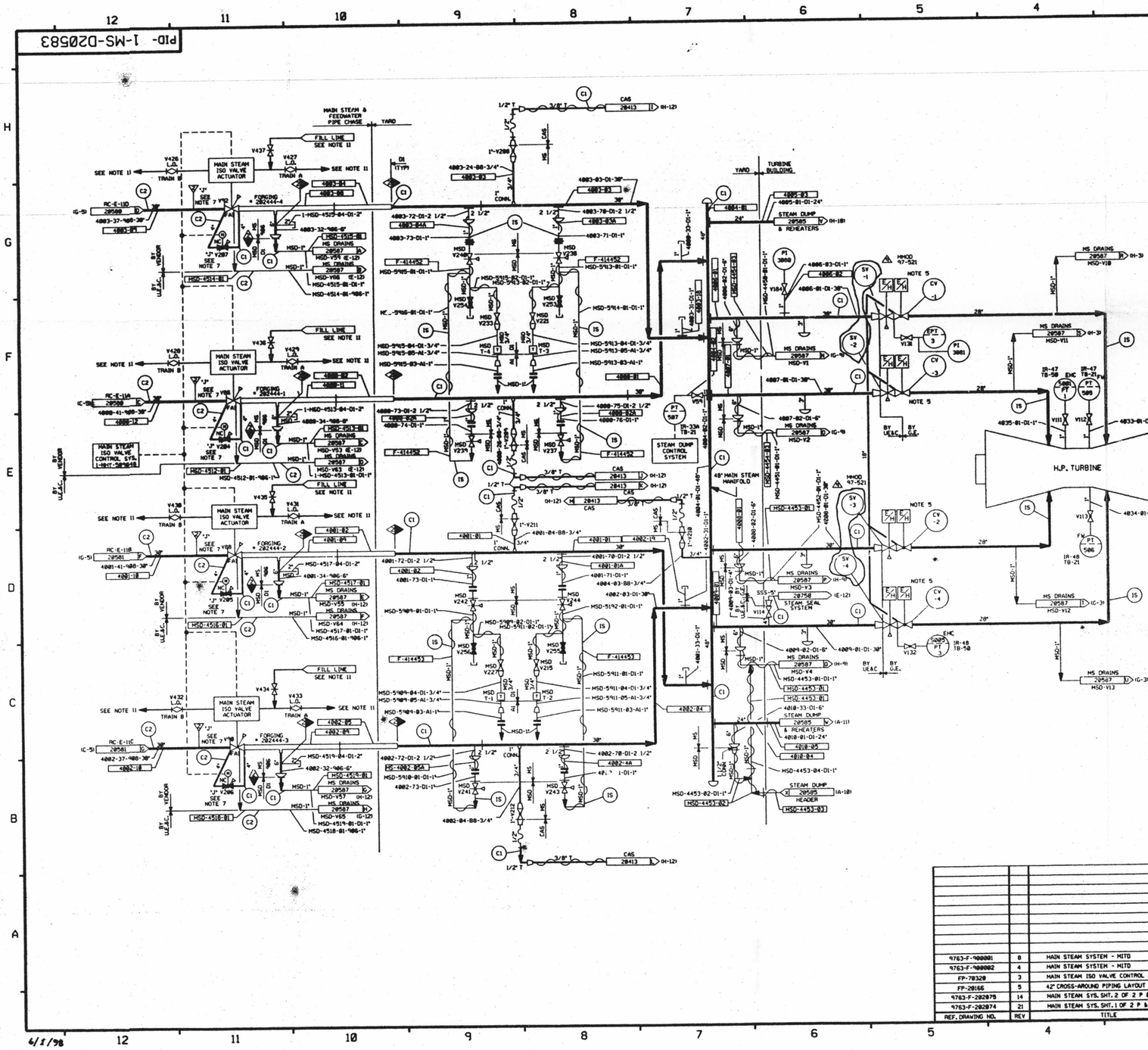
FOR INFORMATION ONLY

PID- 1-MS-D20583



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				
C1	INTEGRITY TEST	IS 1185 PSIG	1778/1885 PSIG	SEE NOTE 8	D.M. WATER
C2	INTEGRITY TEST	1185 PSIG	1481/1578 PSIG	SEE NOTE 8	D.M. WATER
IS	INITIAL SERVICE				

NOTE: VENTS & DRAINS WITH CAPS SHALL BE TESTED TO THE LAST ISOLATION VALVE.

NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20579 THRU 20582 & 20584 THRU 20587.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX MS, UNLESS NOTED OTHERWISE.
3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS MNS, UNLESS NOTED OTHERWISE.
4. DELETED
5. ABOVE SEAT DRAINS ON BOTH TURBINE STOP VALVES & TURBINE CONTROL VALVES ARE SHOWN ON DRAWING B20587.
6. CLEANLINESS CLASS "C".
7. THE IDENTIFICATION "J" NEAR A VALVE DENOTES THAT VALVE IS DESIGNATED FOR INSERVICE TESTING.
8. MINIMUM TEST TEMP. OF 100 F IS REQUIRED FOR ALL NORMAL PIPE DIAMETERS GREATER THAN 12" OR PIPE HAVING A WALL THICKNESS OF 5/8".
9. S.D. NO. IS SD-3
10. △ INDICATES REVISION LEVEL
11. TO HYDRAULIC SYSTEM SEE FP23003 SHT 9 & 13 ITEMS 2-3L,3-3L & 2-7.

PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
9	6/2/98	DRL	—	BCS	DWS	VWS	INCORP MMOD 97-521 DCN B2
8	8/15/97	BCL	—	BCS	DWS	VWS	INCORP MMOD 95-523 CA B
7	1/21/92	MRB	—	BCL	JEV	RRC	INCORP. MMOD 91-511 CA01 INCORP. MMOD 90-633 CA01
6	08/24/90	MRB	JM	DSB	APL	BCL	INCORP MMOD 90-681 CA00
5	6/18/90	MRB	RMC	HP	APL	JW	INCORP MMOD 90-689 CA B
4	1/26/88	MPW	RMC	GPH	BCL	RRC	INCORP. DCR 87-714 & DCR 86-549 NOTE 3 & LEGEND NOTE PER ANSI B31.1 1977-SEC 137.1.2E
3	5/8/87	GPM	TAK	DWS	BCL	VWS	ADDED HYDRAULIC SHUT OFF VALVES & NOTE 11 PER FP23003.
2	4/22/87	GPM	TAK	DWS	BCL	VWS	ADDED CONTROL LINE TO MSIV CONTROL SYSTEM PER UE&C CONTROL LOOP DIAGRAMS. REVISED PIPING TO REFLECT AS-INSTALLED CONDITIONS.
1	10/9/86	MRJ	DWS	MAP	BCL	RRC	ADDED VALVE SIZES PER UE&C P&ID & P.P. REV. TO REF. BLOCK. INCORP ECA 19/19237A, 19/19239A & 19/19487A. ADDED NOTE 10. REF. DWG'S. ADDED REFERENCE DWGS. FOR UE&C BRK'S AND FOR TYPE PIPE FOR EASE PAID. ADDED NOTES 9 & 10. DELETED NOTE 4.
0	8/24/86	TAK	UE&C DWG	VNK	JHES	SES	ISSUED FOR OPERATIONS

REF. DRAWING NO.	REV	TITLE
9763-F-900081	8	MAIN STEAM SYSTEM - MITD
9763-F-900082	4	MAIN STEAM SYSTEM - MITD
FP-20320	3	MAIN STEAM ISO VALVE CONTROL SYS.
FP-20166	5	42" CROSS-AROUND PIPING LAYOUT SHT. 1
9763-F-282075	14	MAIN STEAM SYS. SHT. 2 OF 2 P & ID.
9763-F-282074	21	MAIN STEAM SYS. SHT. 1 OF 2 P & ID.

North Atlantic Energy Service Corporation

SEABROOK STATION

MAIN STEAM SYSTEM
MAIN STEAM MANIFOLD
& H.P. TURBINE PIPING
DETAIL

PID- 1-MS-D20583

4/1/98

D-48