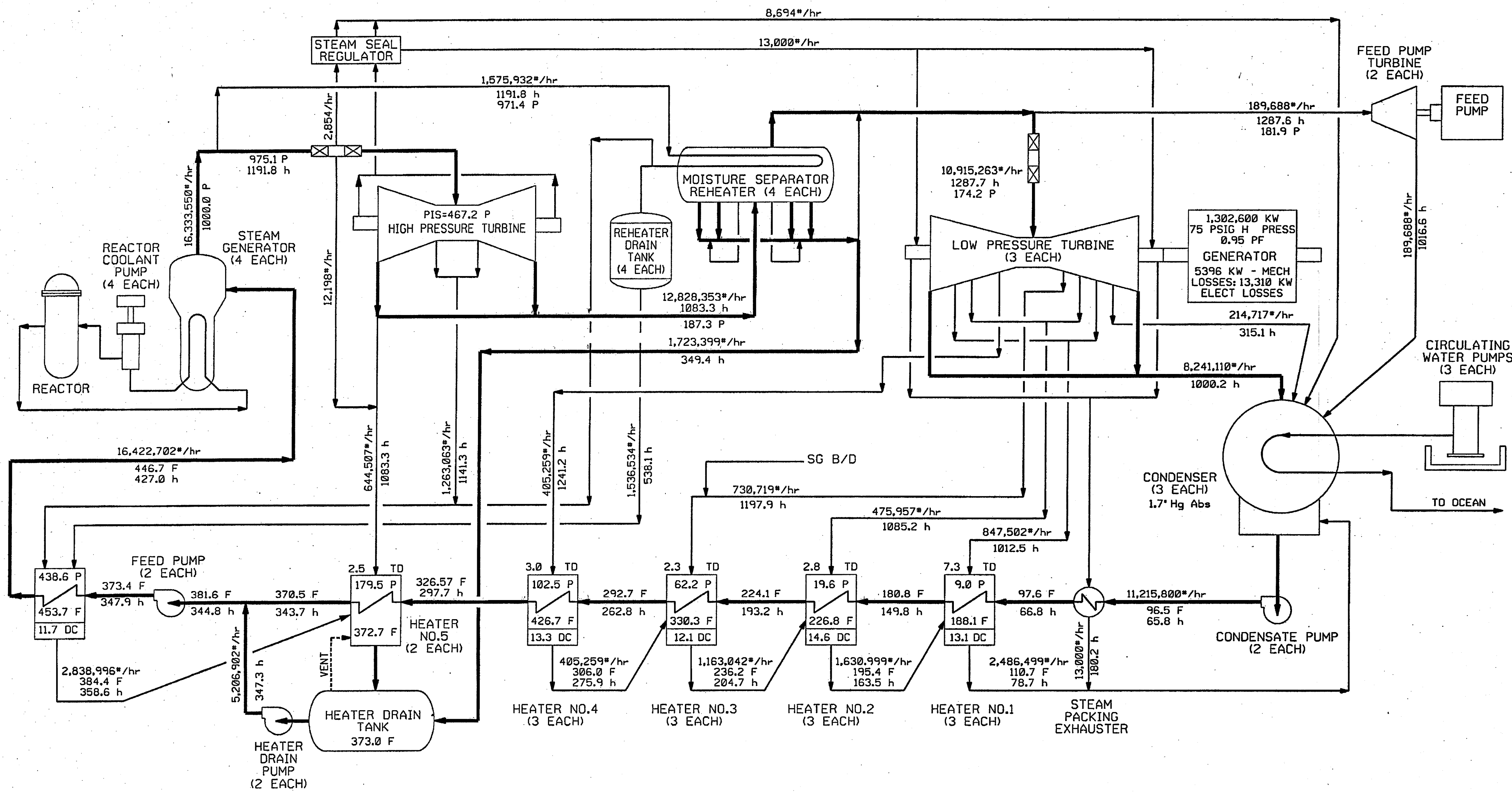


10-24-06



4	10/25/06	KCS	JME	MBL	IAW	REDRAWN FOR MUR	DEC 04-015 DCN 00
3	5/16/05	KCS	JME	MBL	IAW	REDRAWN FOR SPU	DEC 02-003 DCN 00
REV	DATE	DRWN	CHKD	CDE	SES	DESCRIPTION	

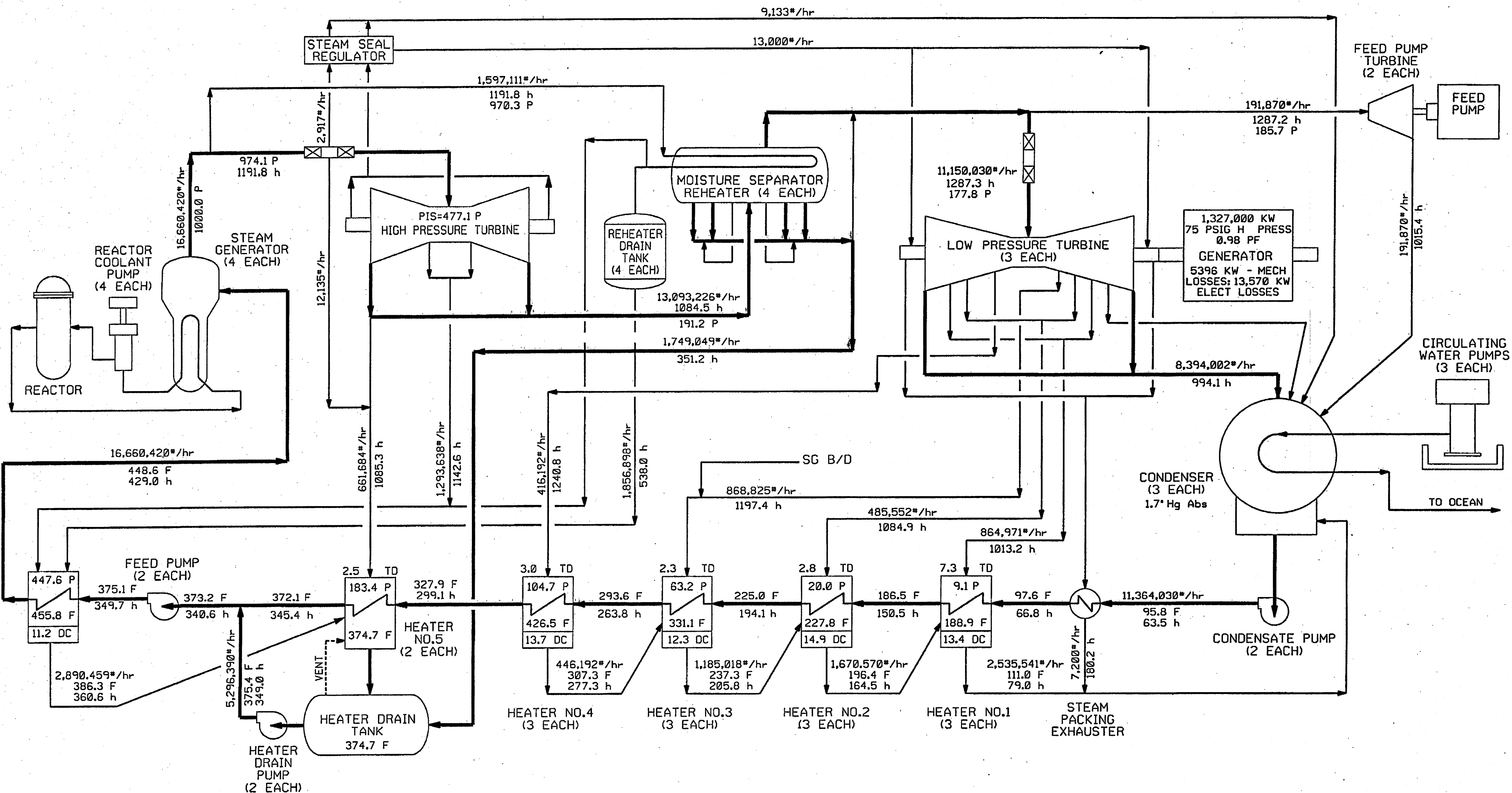


FPL ENERGY SEABROOK STATION

HEAT BALANCE
100 % LOAD

I-NHY-202116

\\UPRATE\HEATBALANCE.DGN



2	10/15/06	KCS	JME	MDL	IAW	REDRAWN FOR MUR DEC 05-013 DCM
1	5/16/05	KCS	JME	MDL	IAW	REDRAWN FOR SPU
REV	DATE	DRWN	CHKD	CDE	SES	DESCRIPTION

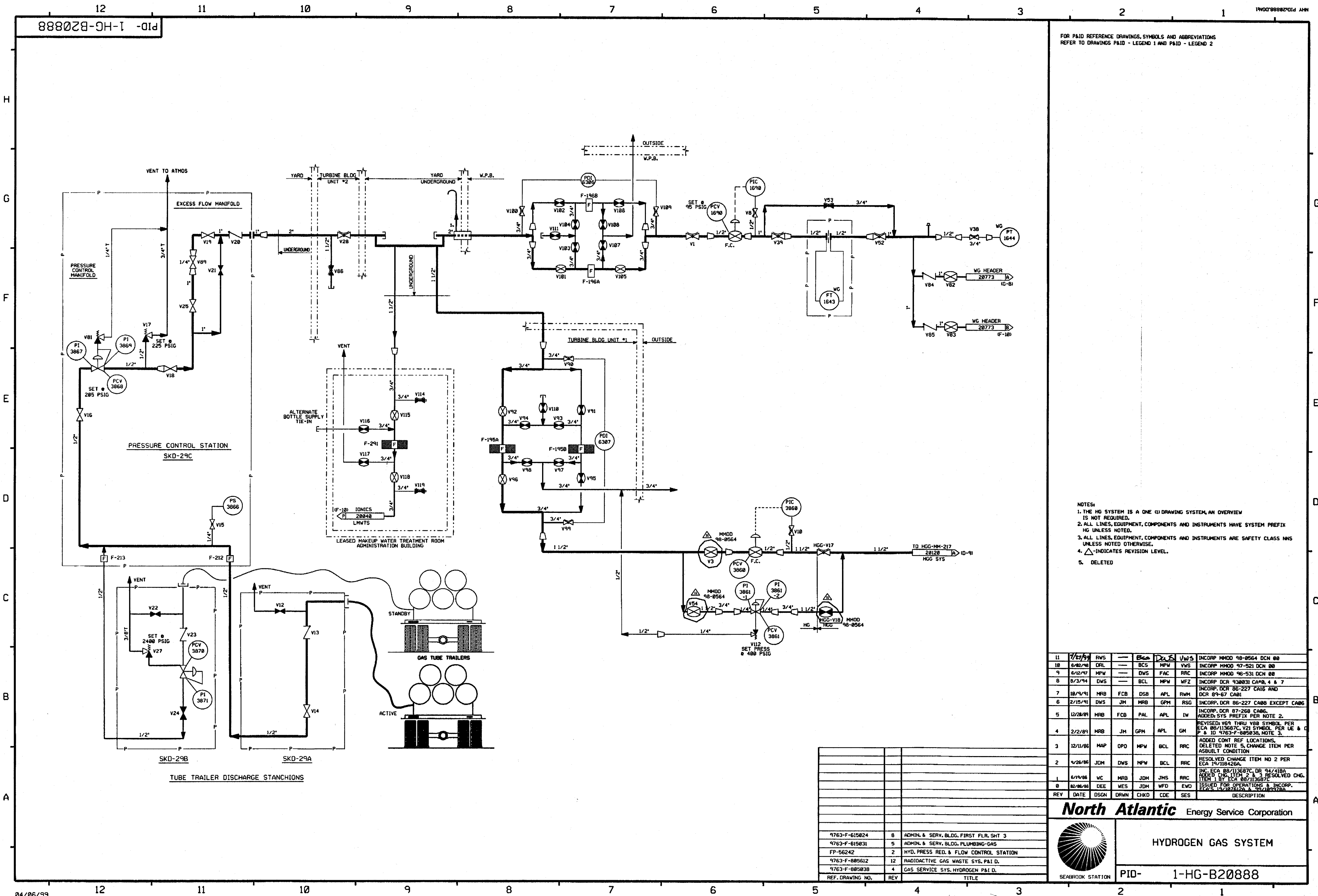
FPL ENERGY SEABROOK STATION

HEAT BALANCE
VALVES WIDE OPEN

I-NHY-202115

SEABROOK STATION

UPRATE\HEATBALANCE.DGN



- NOTES:
1. THE HG SYSTEM IS A ONE (1) DRAWING SYSTEM, AN OVERVIEW IS NOT REQUIRED.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX HG UNLESS NOTED.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS UNLESS NOTED OTHERWISE.
 4. Δ INDICATES REVISION LEVEL.
 5. DELETED

11	1/17/99	RWS	—	BCS	MPW	VWS	INCCORP MM00 98-0564 DCN 00
10	6/12/98	DRL	—	BCS	MPW	VWS	INCCORP MM00 97-521 DCN 00
9	6/12/97	MPW	—	DWS	FAC	RRC	INCCORP MM00 96-531 DCN 00
8	8/3/94	DWS	—	BCL	MPW	WFZ	INCCORP DCR 930031 CA#0, 4 & 7
7	10/9/91	MRB	FCB	DSB	APL	RWM	INCCORP DCR 86-227 CA#0 AND DCR 89-67 CA#0
6	2/15/91	DWS	JM	MRB	GPM	RSG	INCCORP DCR 86-227 CAB# EXCEPT CAB#
5	12/28/89	MRB	FCB	PAL	APL	IV	INCCORP DCR 87-268 CAB#
4	2/2/89	MRB	JM	GPM	APL	GM	ADDED SYS PREFIX PER NOTE 2. REVISED V09 THRU V08 SYMBOL PER ECA 88/113687C, V21 SYMBOL PER UE & C P & ID 9763-F-885038, NOTE 3.
3	12/11/86	MAP	OPD	MPW	BCL	RRC	ADDED CONT REF LOCATIONS. DELETED NOTE 5 CHANGE ITEM PER ASBUILT CONDITION
2	9/26/86	JDM	DWS	MPW	BCL	RRC	RESOLVED CHANGE ITEM NO 2 PER ECA 19/118426A.
1	6/19/86	WC	MRB	JDM	JMS	RRC	INC ECA 88/113687C DR 94/418A ADDED CIP ITEM 2 & 3 REVISED CHG. ITEM 1 BY ECA 88/113687C.
0	8/28/86	DEE	WES	JDM	WFD	EVD	ISSUED FOR OPERATIONS & INCCORP. ECA'S 13/107012A & 95/189378A
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

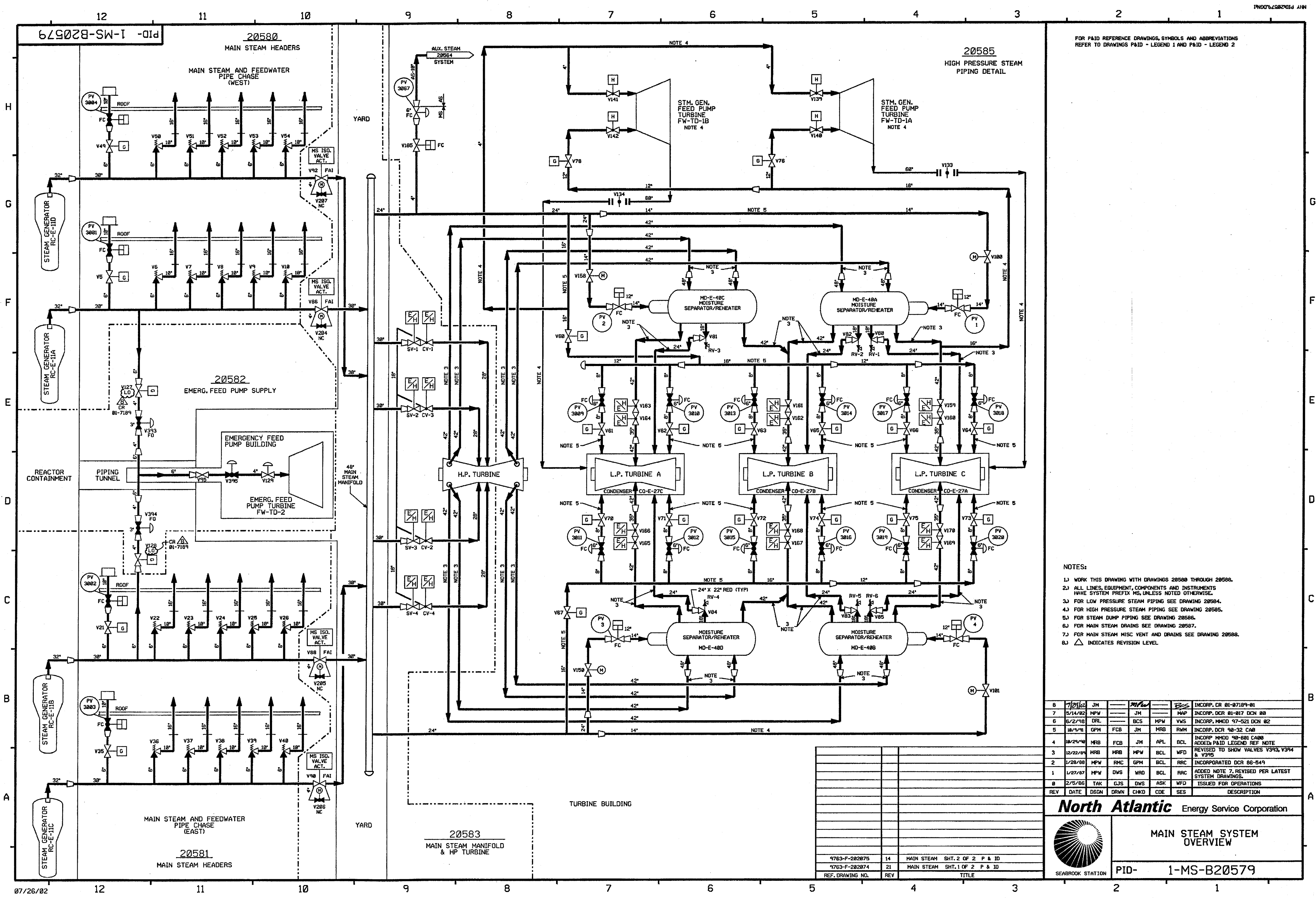
North Atlantic Energy Service Corporation

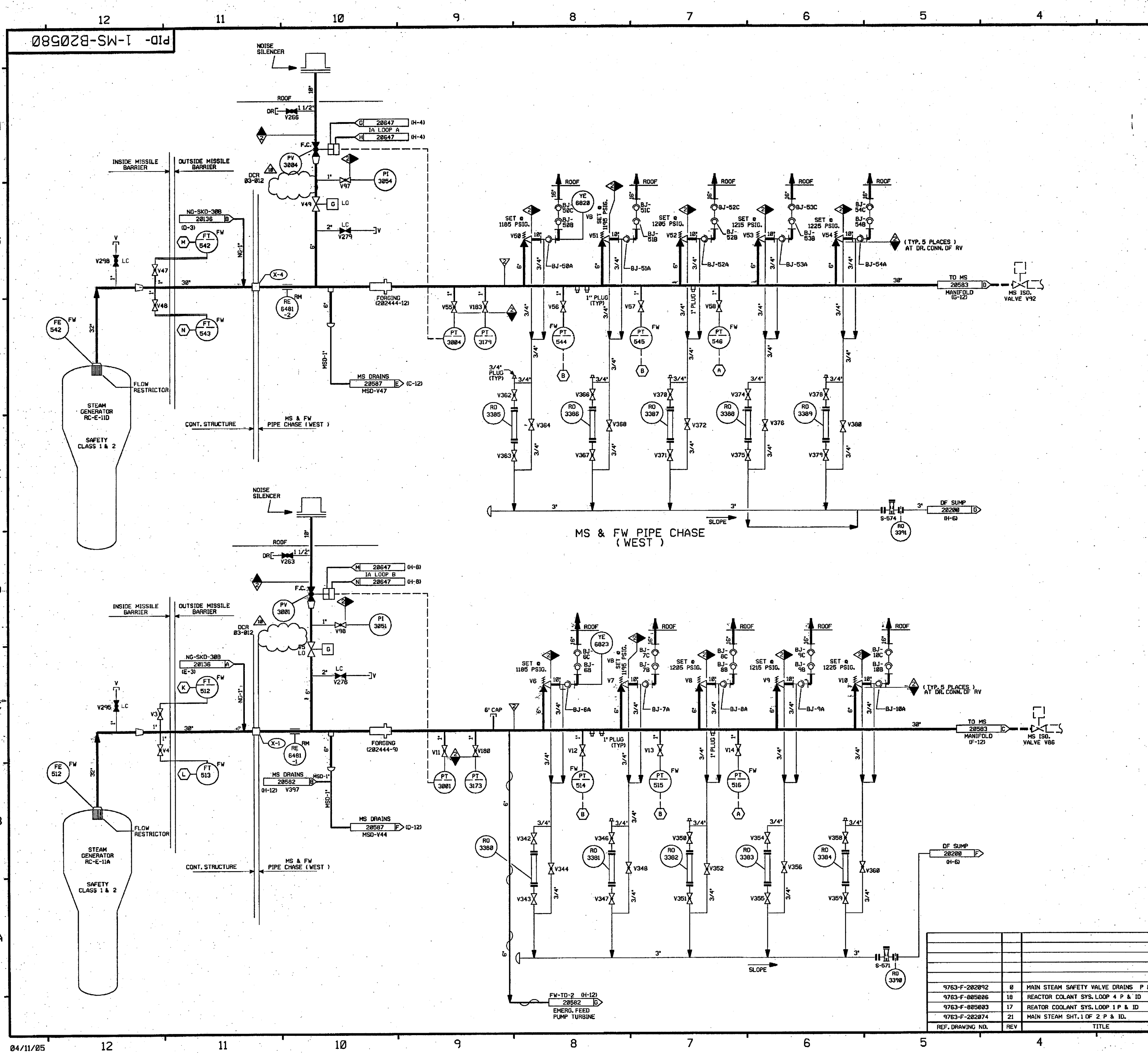
SEABROOK STATION

HYDROGEN GAS SYSTEM

PID-1-HG-B20888

9763-F-615024	8	ADMIN. & SERV. BLDG. FIRST FLR. SHT 3
9763-F-615031	5	ADMIN. & SERV. BLDG. PLUMBING-GAS
FP-56242	2	HYD. PRESS. RED. & FLOW CONTROL STATION
9763-F-885612	12	RADIOACTIVE GAS WASTE SYS. P&ID.
9763-F-885038	4	GAS SERVICE SYS. HYDROGEN P&ID.
REF. DRAWING NO.	REV	TITLE



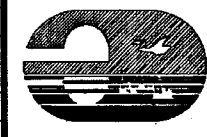


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20579 & 20581 THRU 20587.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX MS, UNLESS NOTED OTHERWISE.
 3. VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWN STREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-80511, UNLESS NOTED OTHERWISE.
 4. INSTRUMENT REFERENCES:
 - (A) STEAM PRESSURE PROTECTION SYSTEM
 - (B) STEAM PRESSURE MISMATCH SYSTEM
 - (X) TO 1-FW-LT-501, LT-551 & LT-4318 ON DWG. 1-FW-20686
 - (L) TO 1-FW-LT-519 ON DWG. 1-FW-20686
 - (M) TO 1-FW-LT-4318, LT-504 & LT-547 ON DWG. 1-FW-20686
 - (N) TO 1-FW-LT-549 ON DWG. 1-FW-20686
 5. Δ INDICATES REVISION LEVEL

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

10	4-12-95	BOS	JM	EPB	INCORP DCR 83-012 DCN-88
9	4/27/99	RWS	DWS	HVM	INCORP MMOD 98 0521 DCN 88
8	11/3/98	BCL	WCL	GPM	INCORP DCR 95-32 CA-8, DCR 95-29 CA-8
7	11/24/94	DWS	BCL	MHO	INCORP MMOD 930545 CA-8
6	4/28/92	MRB	DWS	RRB	INCORP MMOD 91-515 CA-8
5	10/9/91	GPM	MRB	RRB	INCORP DCR 90-32 CA-8
4	2/2/90	MRB	WCL	IV	REVISED NOTE 3 DELETED NMS-1 SYMBOL, ASME CLASS BREAK PER NOTE 3
3	4/28/88	MPW	DWS	RRB	INCORPORATED DCR 87-176 CA-82 ADDED: BALL JOINT NUMBERS, REFERENCE DWG NOTE, NOTE 5, REF. COORD. AND LINE CONT. TO DF SUMP, DELETED LINE SPECS & CODE CLASS BREAK PER NOTE 3.
2	9/22/86	JDM	OPBCL	RRB	REVISED TO SHOW CONNECTIONS & VALVES FOR FTS FROM OUTSIDE TO INSIDE MISSILE BARRIER, ADDED TAG NOS. FOR FORGINGS CORRELATED TO BALL JOINT SYMBOLS, REVISED TO REFLECT CORRECT TIE-IN SEQUENCE PER PIPING DIRECTION ISO F-414011.
1	6/18/86	JDM	JMS	RRB	GENERAL REVISION PER DEEC UPDATE INCORP. ECA 85/106621a
0	2/5/86	TAK	ASK	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY**

Seabrook Station

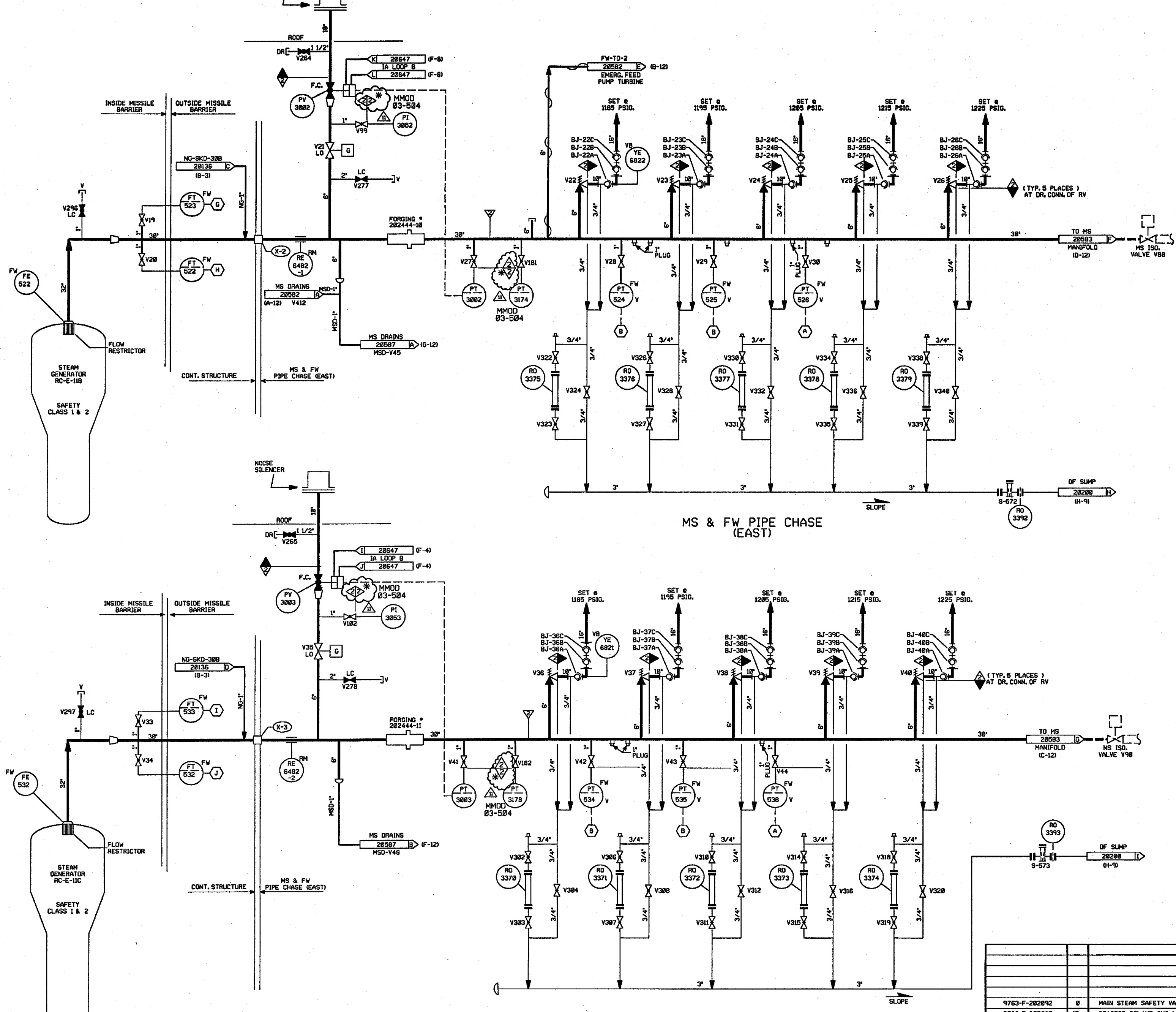
MAIN STEAM SYSTEM
MAIN STEAM HEADERS
DETAIL

PID- 1-MS-B20580

REF. DRAWING NO.	REV	TITLE
9763-F-202092	0	MAIN STEAM SAFETY VALVE DRAINS P & ID
9763-F-805006	18	REACTOR COOLANT SYS. LOOP 4 P & ID
9763-F-805003	17	REACTOR COOLANT SYS. LOOP 1 P & ID
9763-F-202074	21	MAIN STEAM SHT. 1 OF 2 P & ID.

PID-1-MS-B20581

FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20579, 20580, 20582 THRU 20587.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX MS, UNLESS NOTED OTHERWISE.
 3. VENTS, DRAINS AND TEST CONNECTION BREAKS ARE AT THE DOWN STREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-80511 UNLESS NOTED OTHERWISE.
 4. INSTRUMENT REFERENCES:
 - (A) STEAM PRESSURE PROTECTION SYSTEM
 - (B) STEAM PRESSURE MISMATCH SYSTEM
 - (C) TO 1-FW-LT-552, LT-582 & LT-4328 ON DWG. 1-FW-20686
 - (D) TO 1-FW-LT-529 ON DWG. 1-FW-20686
 - (E) TO 1-FW-LT-4338, LT-538 & LT-583 ON DWG. 1-FW-20686
 - (F) TO 1-FW-LT-539, LT-4338 ON DWG. 1-FW-20686
 5. Δ INDICATES REVISION LEVEL.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

11	7-31-04	BCS	JM	RRB	INCCORP MMOD 03-504 DCN-00
10	4-12-05	BCS	JM	RRB	INCCORP DCR 03-12 DCN-00
9	4-27-99	RWS	JM	HWM	INCCORP MMOD 98 0521 DCN 00
8	7/30/97	MPW	BCS	VWS	INCCORP MMOD 967-558 DCN 01
7	11/3/95	BCL	MPW	GRM	INCCORP DCR 95-32 CA0, DCR 95-29 CA-0
6	11/29/94	DWS	MPW	MHO	INCCORP MMOD 938545 CA#0
5	4/14/92	MRB	DWS	JEV	INCCORP MMOD 91-915 CA#0
4	10/9/91	GPM	JM	RWM	INCCORP DCR 90-32 CA#0
3	2/2/90	MRB	APL	IW	INCCORP DCR 87-178 CA 02.
2	9/8/88	MPW	GPM	RRC	REVISED NOTE 3 ADDED PAID LEGEND NOTE, BALL JOINT NUMBERS PER U.E. & C.P. & ID 202074. NOTE: REF. CONT. COORD. AND CONT. OF DRAIN LINES TO DF SUMP. DELETED CL BREAK
1	9/26/86	MRJ	BCL	RRC	INCCORP ECA 19/3783A, 86/113712B & 82/887C, REVISED BUILDING BOUNDARY, FORGING TAG NUMBERS.
0	2/5/86	TAK	DWS	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY Seabrook Station

MAIN STEAM SYSTEM
MAIN STEAM HEADERS
DETAIL

PID- 1-MS-B20581

REF. DRAWING NO.	REV	TITLE
9763-F-202092	0	MAIN STEAM SAFETY VALVE DRAINS P & ID
9763-F-005005	15	REACTOR COLANT SYS. LOOP 3 P & ID
9763-F-005004	16	REACTOR COLANT SYS. LOOP 2 P & ID
9763-F-202074	21	MAIN STEAM SHT. 1 OF 2 P & ID.



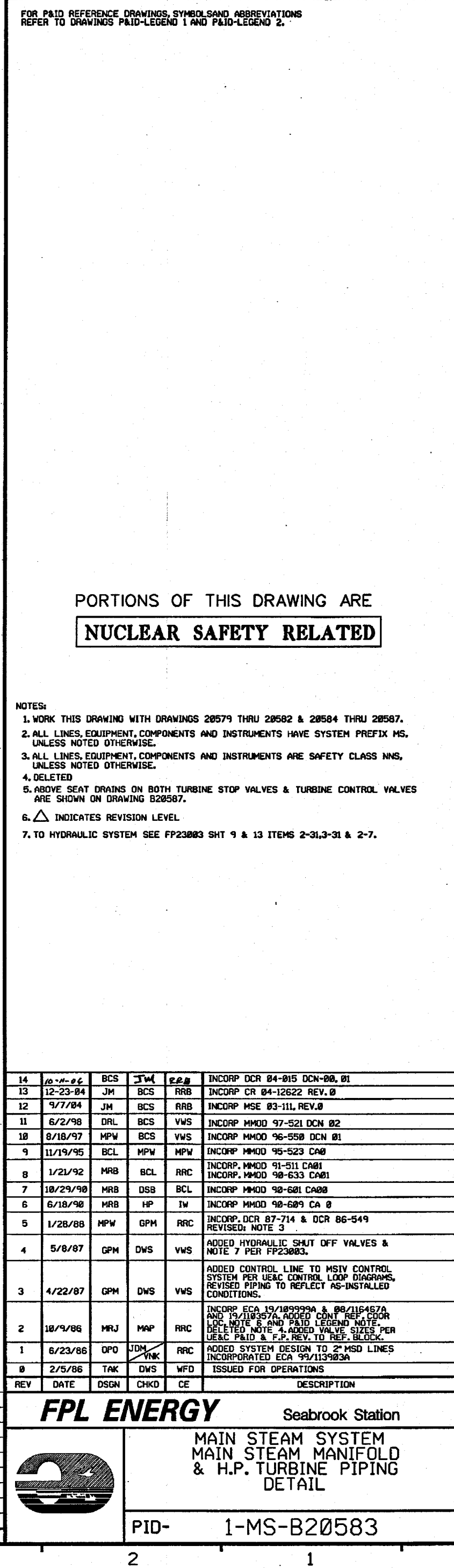
- PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

19	7-31-06	BCS	JM	REL	INCRP. MMOD 83-584 DCN 00	C
18	18/5/83	BCS	MPW	MAP	INCRP. DCR 89-821 DCN 00	
17	9/10/83	JM	BCS	MAP	INCRP. MMOD 83-0585 DCN 00	
16	12/22/82	JM	MPW	BCS	INCRP. CR 01-05172 REV 00	
15	5/14/82	MPW	JM	MAP	INCRP. DCR 81-017 DCN 00	
14	11/22/80	BCS	MPW	DJM	REINCRP. MMOD 98-599 DCN-00	
13	6/3/98	BCS	MPW	RFB	INCRP. MMOD 98-599 DCN-00	
12	6/3/98	BCS	MPW	VMS	REINCRP. MMOD 96-550 DCN 02	
11	8/18/97	MPW	BCS	VMS	INCRP. MMOD 96-550 DCN 02	
10	6/28/97	DWS	MPW	BAW	INCRP DCR 970004 DCN00	
9	11/29/95	MPW	BCS	GRM	INCRP. DCR 94-43 CAB	B
8	10/29/92	BCL	MRB	RSG	INCRP. MMOD 92-582 CAB, 02	
7	4/28/92	MRB	BCL	RFB	INCRP. MMOD 91-515 CAB	
					INCRP. DCR 90-32 CAB	
					REVISED NOTE 3 ADDED: CONT COORD	
6	10/4/91	GPM	JM	RWM	DELETED ASMC CLASS BREAK PER NOTE 3	
5	6/4/90	MRB	JM	GRM	INCORPORATED MMOD 98-530 CAB	
4	2/9/90	MRB	APL	RRC	INCRP DCR 89-41 CA12	
					REVISED NOTE 3	
3	6/1/87	MRJ	DS	RRC	IDENT SUMP LOCATIONS, ADDED SYSTEM & CLASS BREAKS, INCRP'D DCR 87-212	
					REVISED BLOC, BOUNDARY	
2	9/22/86	MRJ	HAP	RRC	ADDED CONTINUATION (E.C.S. Y293 WAS GATE VLV, INCRP. ECA 88/8028598, REV'D PER LATEST USA A.D.	
					REVISED PER ECA 88/113712B AND 88/117428A	
0	2/5/86	TAK	DWS	WFD	ISSUED FOR OPERATIONS	
REV	DATE	DSGN	CHKD	CE	DESCRIPTION	

Seabrook Station

PID- 1-MS-B20582

9763-F-202086	14	MAIN TURBINE & STEAM PIPING DRAINS P
9763-F-202110	2	MAIN STEAM PIPING DRAINS P & ID
9763-F-202074	21	MAIN STEAM SYSTEM SHT.1 OF 2 P &
REF. DRAWING NO.	REV	TITLE



14	10-11-81	BCS	JW	FRB	INCRDP DCR 84-015 DCM-08, 01
13	12-23-84	JM	BCS	RRB	INCRDP CR 04-12622 REV. 0
12	4/17/84	JM	BCS	RRB	INCRDP MSE 03-111, REV.0
11	6/2/98	DRL	BCS	VMS	INCRDP MM0D 97-521 DCM 01
10	8/18/97	MPW	BCS	VMS	INCRDP MM0D 96-558 DCM 01
9	11/19/95	BCL	MPW	MPW	INCRDP MM0D 95-523 CA0
8	1/21/92	MRB	BCL	RRC	INCRDP MM0D 91-511 CA01 INCRDP MM0D 90-633 CA01
7	10/29/90	MRB	DSB	BCL	INCRDP MM0D 90-681 CA00
6	6/18/90	MRB	HP	IW	INCRDP MM0D 90-609 CA 0
5	1/28/88	MPW	GPM	RRC	INCRDP DCR 87-714 & DCR 86-549 REVISED: NOTE 3
4	5/8/87	GPM	DWS	VMS	ADDED HYDRAULIC SHUT OFF VALVES & NOTE 7 PER PFC3863.
3	4/22/87	GPM	DWS	VMS	ADDED CONTROL LINE TO MSIV CONTROL SYSTEM PER UAC CONTROL LOOP DIAGRAMS. REVISED PIPING TO REFLECT AS-INSTALLED CONDITIONS.
2	10/9/86	MRJ	MAP	RRC	INCRDP E 84/199999A & 98/116457A & 10/10/97A, ADDED CONT. REPAIR ORDER DOC. NOTE 6 AND P&ID LEGEND NOTE 1 ADDED NOTE 4, ADDED VALVE SIZES PER UAC P&ID & F.P. REV. TO 2" FLD. LINES.
1	6/23/86	DPO	JDM YMC	RRC	ADDED SYSTEM DESIGN TO 2" FLD. LINES. INCRPORATED ECA SYSTEM 833A
0	2/5/86	TAK	DWS	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CF	DESCRIPTION

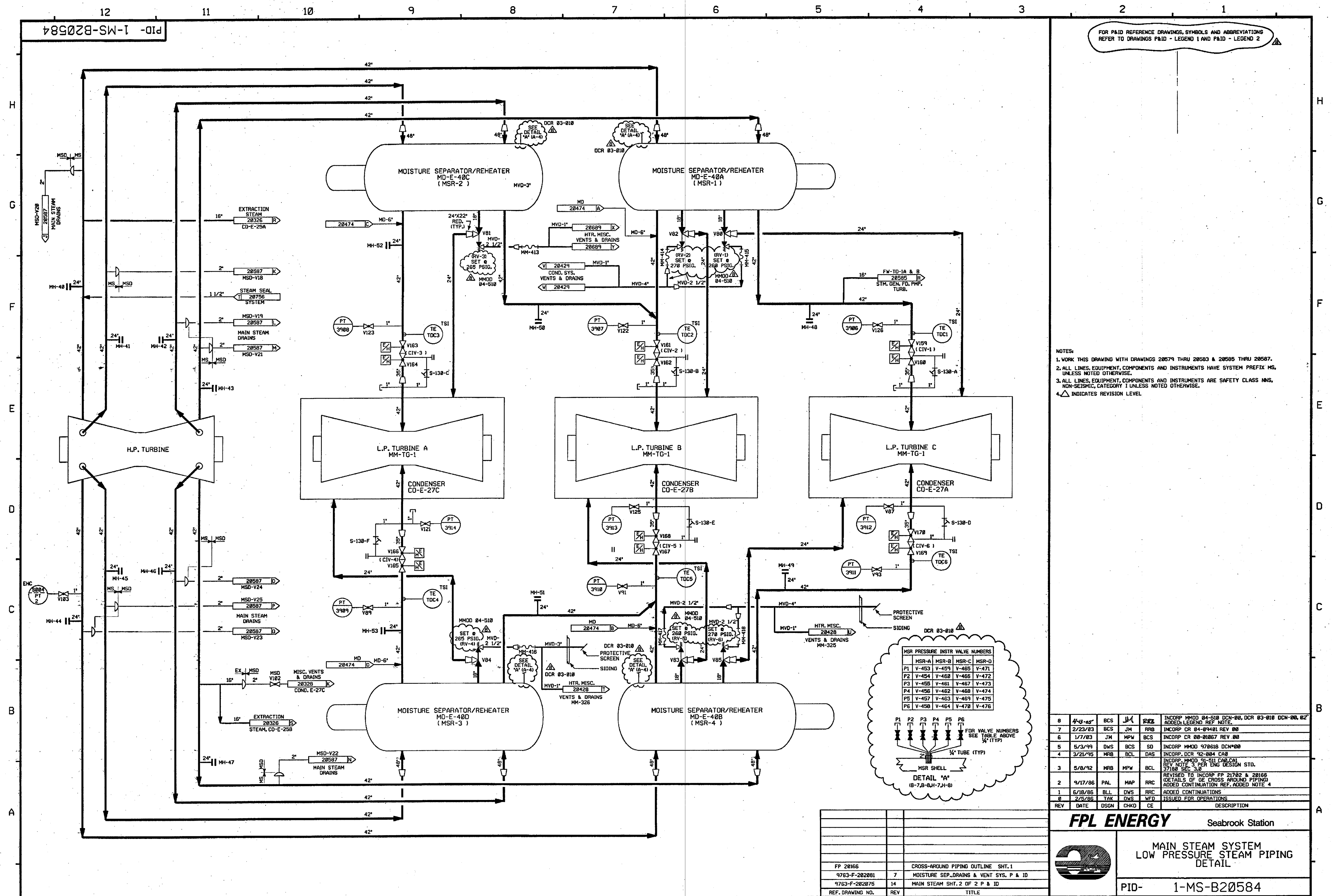
FPL ENERGY Seabrook Station



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

PID- 1-MS-B20583

[illegible]



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20579 THRU 20583 & 20585 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 MS, NON-SEISMIC, CATEGORY 1 UNLESS NOTED OTHERWISE.
 4. Δ INDICATES REVISION LEVEL.

MSR PRESSURE INSTR VALVE NUMBERS

MSR-A	MSR-B	MSR-C	MSR-D
P1 V-463	V-459	V-465	V-471
P2 V-464	V-468	V-466	V-472
P3 V-465	V-461	V-467	V-473
P4 V-466	V-462	V-468	V-474
P5 V-467	V-463	V-469	V-475
P6 V-468	V-464	V-470	V-476

FOR VALVE NUMBERS SEE TABLE ABOVE
1/4" TUBE (TYP)
DETAIL "A"
(8-7,8-8,4-7,4-8)

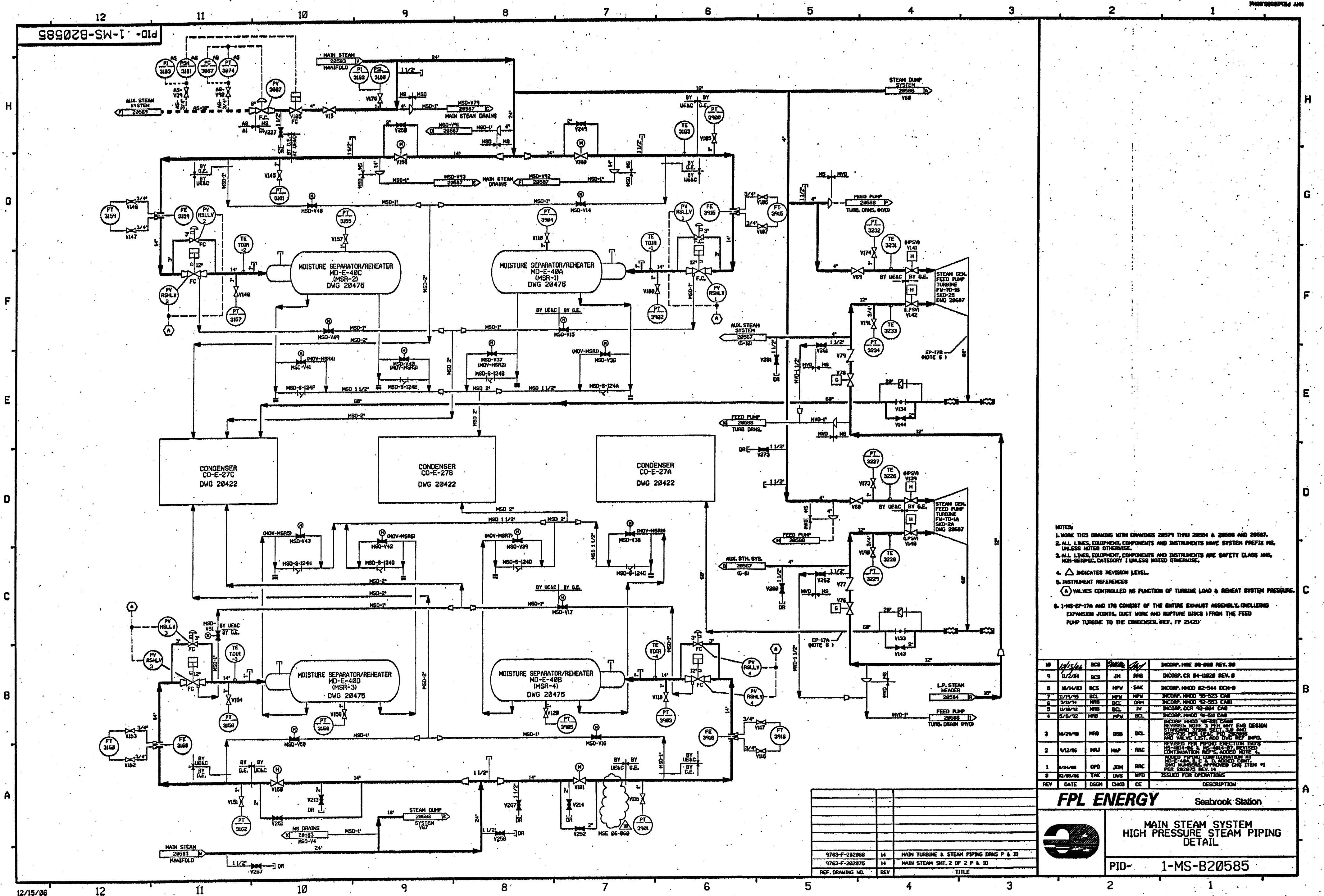
FPL ENERGY Seabrook Station



MAIN STEAM SYSTEM
LOW PRESSURE STEAM PIPING
DETAIL

PID- 1-MS-B20584

REF. DRAWING NO.	REV	TITLE
FP 20166		CROSS-AROUND PIPING OUTLINE SHT. 1
9763-F-202081	7	MOISTURE SEP. DRAINS & VENT SYS. P & ID
9763-F-202075	14	MAIN STEAM SHT. 2 OF 2 P & ID




1783-F-282875 14 MAIN STEAM SHT. 2 OF 2 P & ID

4	1/4/86	MPV	---	MS	PSB	BDM	INCOMP. NUMBER 42-523 CAB
3	1/14/85	BCL	---	MPV	MRB	MPV	INCOMP. NUMBER 42-523 CAB
							REVISION NO. 3 PER ENG DSOIN STD
							STANDARD IS 24, LINE STYLE PER PSID
							LEADS 3
	2/28/84	GPH	FCB	JN	MRB	TV	ADDENDUM NO. 68 REF. LINE SIZES
							AND REVISION NOTE
1	9/12/86	MRJ	YES	HAP	BCL	RRR	REVISED 48 AND LINE SIZES.
2	2/3/88	TAK	MRB	DNS	ASH	WFD	ADDED NOTE 3
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	REVIEW OF THE REVISIONS
							DESCRIPTION

North Atlantic

Energy Service Corporation



MAIN STEAM SYSTEM

STEAM DUMP PIPING

DETAIL

PID-
1-MS-B20586

BRANDROCK STATION

MAIN STEAM SYSTEM STEAM DUMP PIPING DETAIL

PID- 1-MS-B20586

PID-1-MS-B20587

FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20579 THRU 20586.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX MSD, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
 4. MAIN STEAM CONTROL & STOP VALVES ARE SHOWN ON DRAWING 20583.
 5. Δ INDICATES REVISION LEVEL

17	11-14-86	BCS	MRB	MAP	INCORP MSE 06-231 REV. 00
16	5/24/85	JM	RRB	MAP	INCORP MSE 02-544 REV. 00
15	11/12/83	BCS	MPW	SD	INCORP MMD 02-544 REV. 00
14	11/15/80	MPW	BCS	SD	INCORP DCR 99-32 DCM 00
13	5/25/80	BCS	MPW	S.O.A.S	INCORP DCR 980832 CA-11
12	5/21/79	BCS	DWS	MKC	INCORP MMD 980511 DCM*00
11	4/23/79	DWS	BCS	MKC	PARTIAL INCORP MMD 980511 DCM*00
10	6/2/78	DRL	MPW	VWS	INCORP MMD 97-521 DCM 00 & 02
9	1/21/78	MRB	JEV	RRC	INCORP MMD'S 98-633 CA01 AND 97-515 CA02
8	9/23/76	GPM	MRB	RSQ	INCORP DCR'S 98-30 CA10 & 98-32 CA0
7	5/21/76	MRB	BCL	IW	RE-INCORPORATED MMD 98-577 CA 0
6	5/15/76	MRB	APL	RSH	INCORPORATED MMD 98-577 CA 0
5	2/5/76	MRB	RSQ	IW	INCORPORATED DCR 89-34, CA0
4	2/24/76	MRB	APL	WFD	INCORPORATED DCR 88-94, CA0
3	1/28/76	MPW	GPM	RRC	ADDED LINE SIZES, NOTE 5, P & ID LEGEND NOTE & REF. COORDINATES. REVISED DUPLICATE VALVE NO. PER UE & C P & ID F-282118 DELETED PIPE SPECS. INCORP. DCR 88-714 AND REV'D NOTE 3 & 4
2	6/26/77	JDM	BCL	RRC	REVISED TIE-IN PER F-414017
1	5/12/76	MRJ	BCL	RRC	ADDED CONTINUATION REF. Y-9 WAS DATE 4/1/76 WAS VBL. ADDED TIE-INS FROM MD-E-48A, B, C & D TO CO-E-27B. ADDED REF. DWS. ADDED T-5, T-6, T-7, T-8 & ASSOCIATED PIPING PER DWS F-414456 & F-414457.
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY Seabrook Station

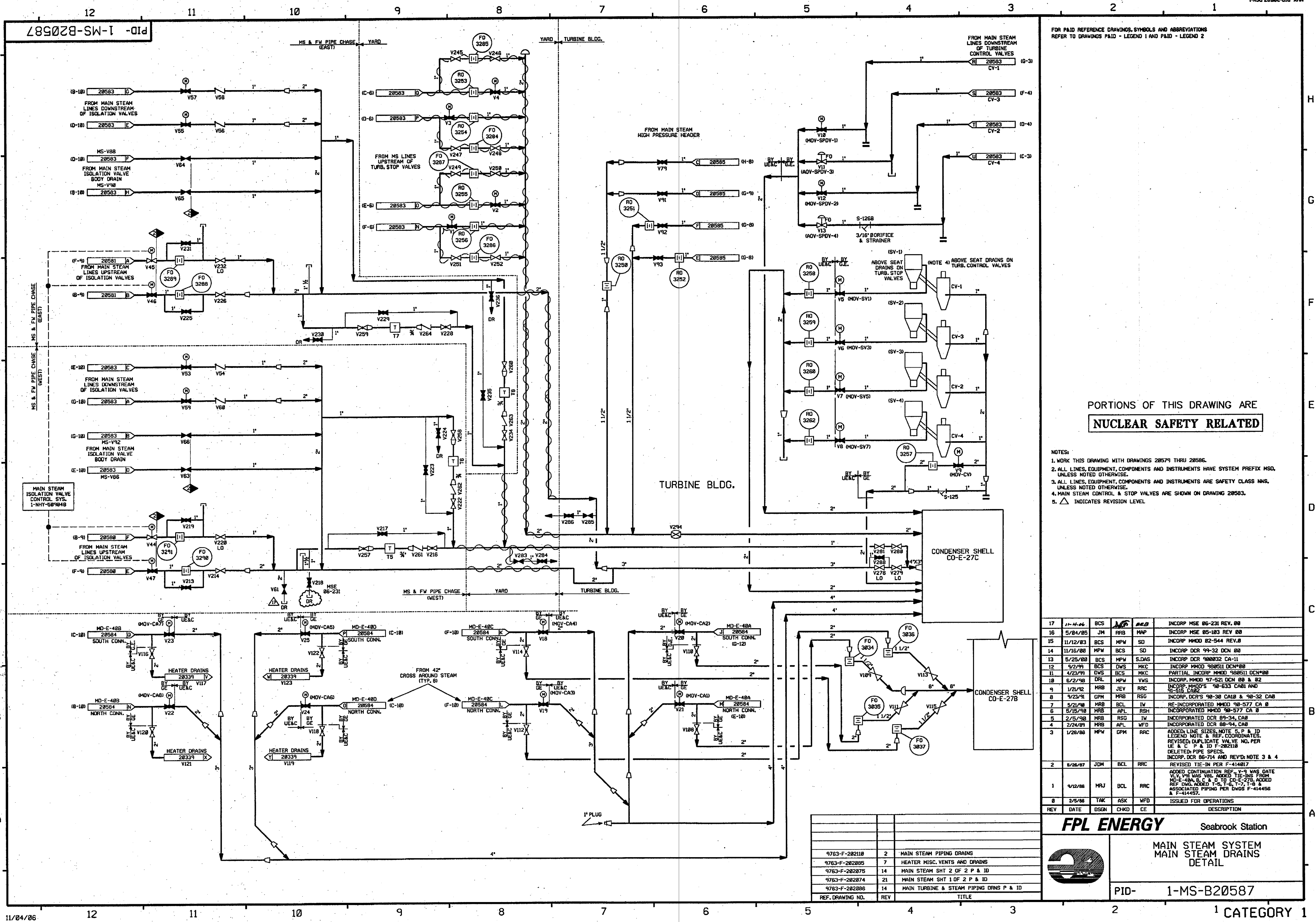


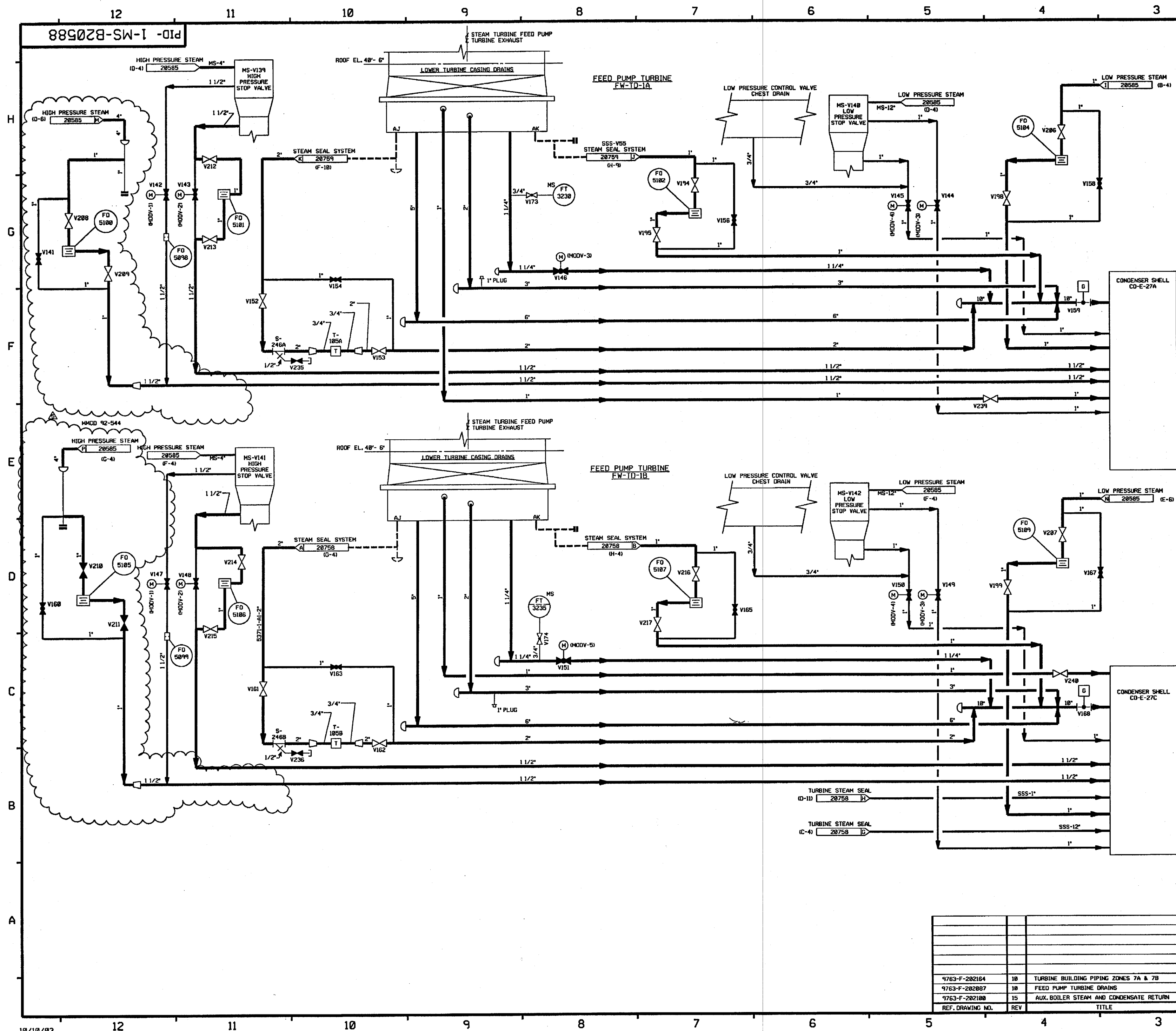
MAIN STEAM SYSTEM
MAIN STEAM DRAINS
DETAIL

PID- 1-MS-B20587

CATEGORY 1

REF. DRAWING NO.	REV	TITLE
9763-F-282118	2	MAIN STEAM PIPING DRAINS
9763-F-282895	7	HEATER MISC. VENTS AND DRAINS
9763-F-282075	14	MAIN STEAM SHT 2 OF 2 P & ID
9763-F-282074	21	MAIN STEAM SHT 1 OF 2 P & ID
9763-F-282086	14	MAIN TURBINE & STEAM PIPING DRAINS P & ID



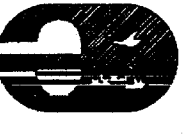


FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2

- NOTES:
- 1.) WORK THIS DRAWING WITH DRAWINGS 20579 THRU 20587.
 - 2.) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX MVD, UNLESS NOTED OTHERWISE.
 - 3.) MAIN STEAM CONTROL AND STOP VALVES ARE SHOWN ON DRAWING 20583.
 - 4.) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS MNS UNLESS NOTED OTHERWISE.
 - 5.) Δ INDICATES REVISION LEVEL.

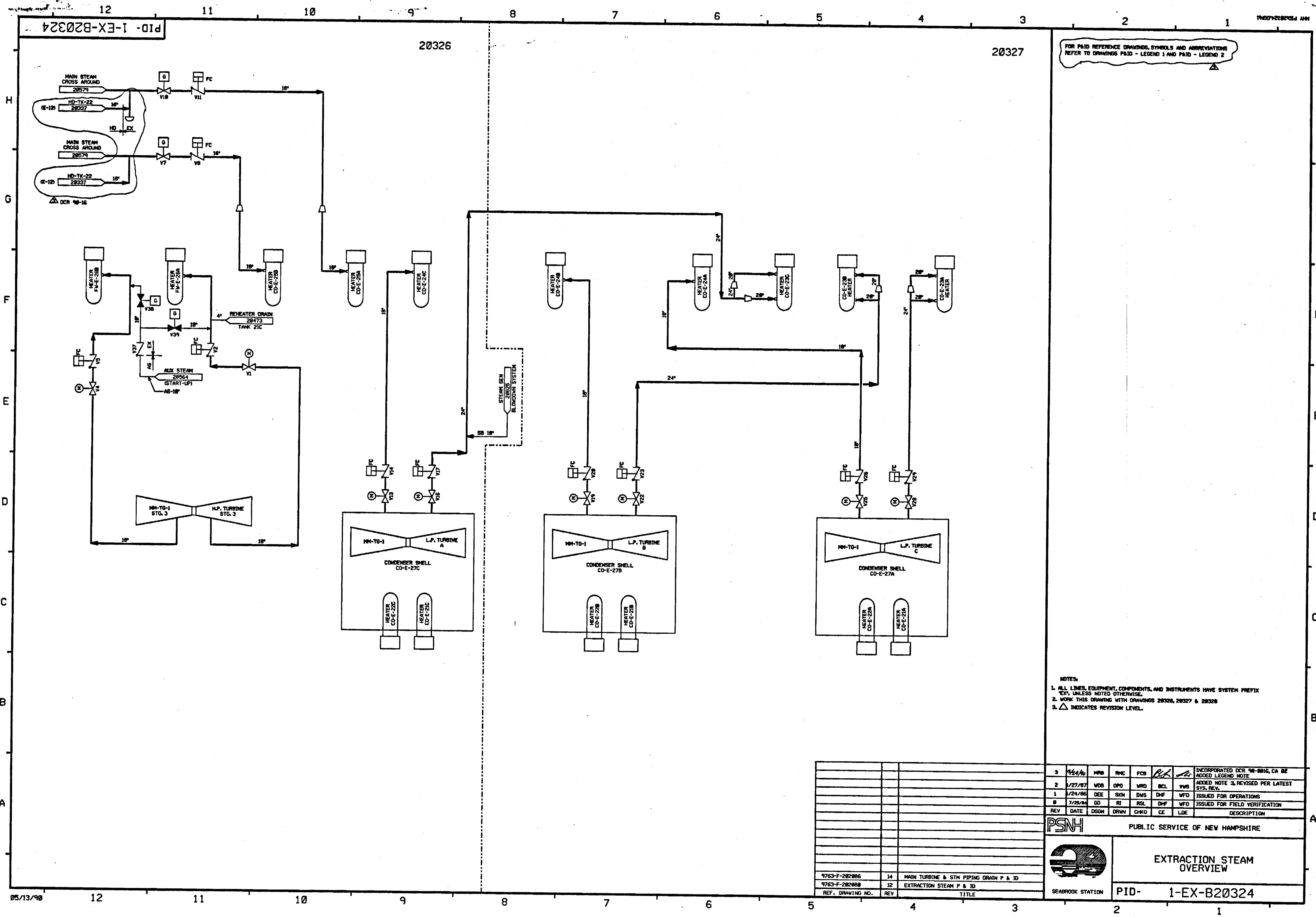
5	10-11-03	BCL	mhw	RFB	INCORP. M400 02-544 DCN 00 & 01
4	5/25/92	MRB	BCL	RRB	INCORP. M400 91-515 CAB
3	5/23/90	MRB	APL	DJM	INCORP. M400 90-577 CAB
2	5/5/89	MRB	GPM	GRM	REVISED NOTE 4 AND PIPING TO CLARIFY DUPLICATION OF SYSTEM & INTERFACES. ADDED LEGEND REFERENCE NOTE. CONTINUATION COORDINATES NOTE 5 DELETED NUCLEAR SFTY RELATED STAMP
1	9/17/86	MRJ	MAP	RRR	REV TO ADD RACK MOUNTED DESIGNATION TO FV-3235 FROM LOCAL MOUNT IN ERROR
0	6/5/86	OPD	DWS	WFD	REVISED CONTINUATION REFERENCES.
REV	DATE	DSGN	CHKD	CE	ISSUED FOR OPERATIONS
					DESCRIPTION

FPL ENERGY Seabrook Station

**MAIN STEAM SYSTEM
MISC. VENTS AND DRAINS
DETAIL**

PID- 1-MS-B20588

REF. DRAWING NO.	REV	TITLE
9763-F-202164	10	TURBINE BUILDING PIPING ZONES 7A & 7B
9763-F-202087	10	FEED PUMP TURBINE DRAINS
9763-F-202100	15	AUX. BOILER STEAM AND CONDENSATE RETURN



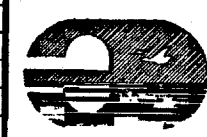
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
- 1. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX
 - 2. WORK THIS DRAWING WITH DRAWINGS 20326, 20327 & 20328
 - 3. Δ INDICATES REVISION LEVEL

3	7/24/06	WDS	OPD	WFD	BCL	WVS	INCORPORATED DCR 90-0816, CA 02 ADDED LEGEND NOTE
2	1/27/07	WDS	OPD	WFD	BCL	WVS	ADDED NOTE 3, REVISED PER LATEST SYS. REV.
1	1/24/06	DEE	SKN	DWS	DWF	WFD	ISSUED FOR OPERATIONS
0	7/25/04	GD	RI	RSL	DWF	WFD	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION

PSNH

PUBLIC SERVICE OF NEW HAMPSHIRE



EXTRACTION STEAM
OVERVIEW

9763-F-202086	14	MAIN TURBINE & STM PIPING DRAIN P & ID
9763-F-202088	12	EXTRACTION STEAM P & ID
REF. DRAWING NO.	REV	TITLE

PID- 1-EX-B20324

170078203280012270000

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

- NOTES:
1. MAIN TURBINE & STEAM PIPING DRAINS, WHICH INTERFACE WITH EXTRACTION STEAM ARE SHOWN ON THIS DNG.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEMS PREFIX MSD UNLESS NOTED OTHERWISE.
 3. WORK THIS DRAWING WITH DRAWINGS 28324, 28326 & 28327.
 4. Δ INDICATES REVISION LEVEL.

6	8/27/77	MPW	---	WJS	PK	---	INCORP HMD 95-514 CA B2
5	11/12/78	BCL	---	MPW	MKD	RSB	INCORP HMD 95-514 CAB
4	7/27/79	DWS	---	BCL	MPW	PEB	INCORP HMD 94-524 CAB - CA B1
3	8/14/82	MRS	---	DWS	BCL	JEV	INCORP HMD 91-515 CAB
2	12/3/86	HAP	TAK	WRD	BCL	RRC	ADDED PORTION OF MAIN STEAM PIPING VALVE DESIGNATION PER DESIG PIPING DNG. ADDED DRA LOCATION CODES & NOTE 4, REVISED P&ID REVISIONS IN REF B.022.
1	8/28/88	DWS	DPO	DWS	JHS	---	CORRECTED DESIGN FW TO CO, S
0	1/24/96	DEE	SKN	DWS	DHF	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

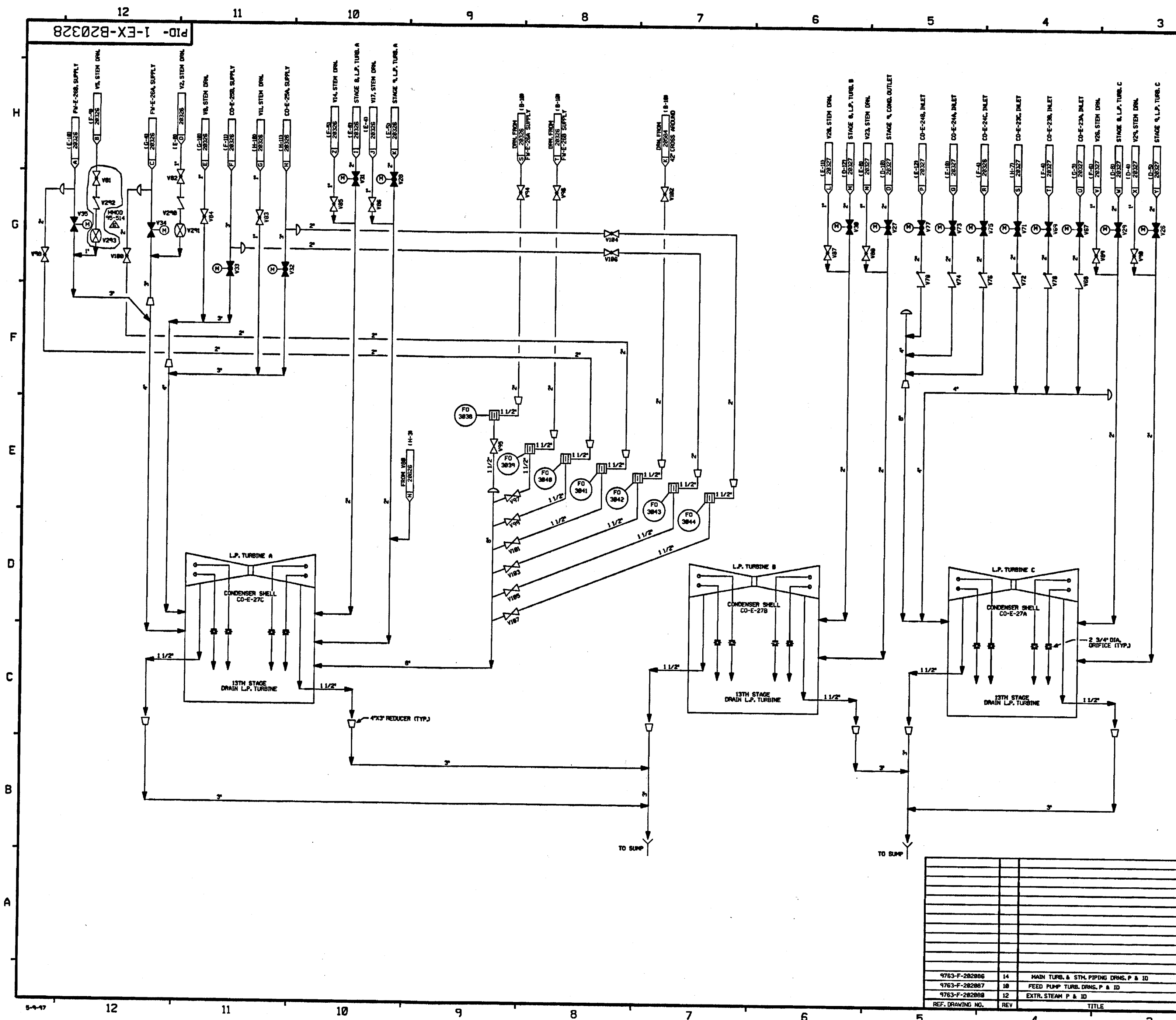
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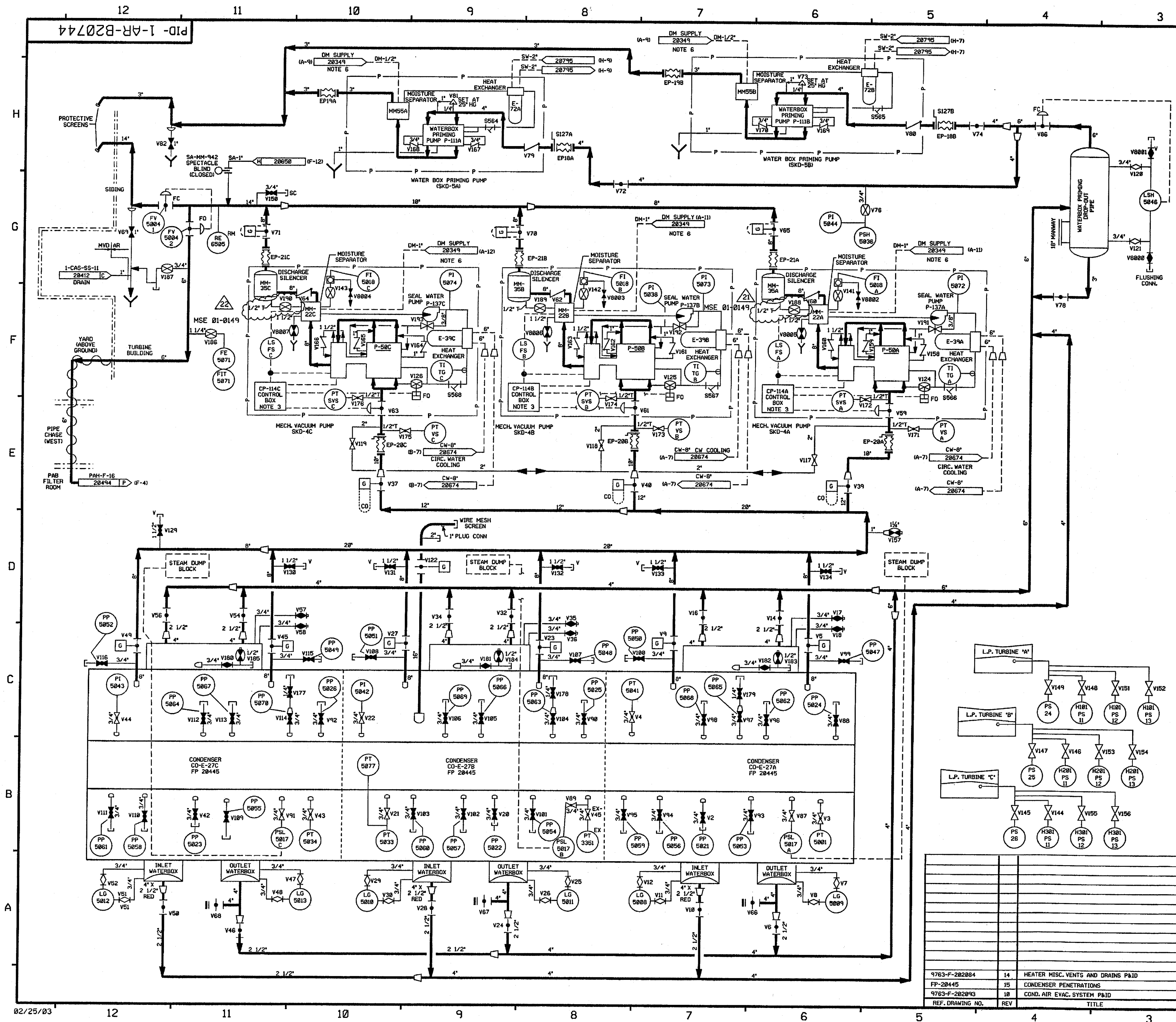


EXTRACTION STEAM
MAIN TURBINE & STEAM
PIPING DRAINS
(MSD)

PID- 1-EX-B20328

9763-F-282886	14	MAIN TURB. & STL PIPING DNGS, P & ID
9763-F-282887	10	FEED PUMP TURB. DNGS, P & ID
9763-F-282888	12	EXTR. STEAM P & ID
REF. DRAWING NO.	REV	TITLE





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

- NOTES:
1. AR IS A SINGLE DRAWING SYSTEM, AN OVERVIEW IS NOT REQUIRED.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX AR, UNLESS NOTED OTHERWISE.
 3. REFER TO PP 28686 AND 28687 FOR DETAILS.
 4. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
 5. Δ INDICATES REVISION LEVEL.
 6. FOR DEMINERALIZED WATER SUPPLY DETAILS TO MOISTURE SEPARATORS AR-MM-22A, 22B, 22C, 55A & 55B, SEE DWG 1-MM-28349.

GENERAL REFERENCES:
LOGIC DIAGRAM M-583148
SD-2, CONDENSER AIR EVACUATION SYSTEM DESIGN DESCRIPTION
LOOP DIAGRAM M-586849

REV	DATE	BY	CHKD	SES	DESCRIPTION
22	3/2/03	BCS	JAL		INCORP MSE 01-149 REV 00, 01
21	2/5/03	MPW	BCS	JM	INCORP CR 82-16149
20	2/14/02	MPW	BCS	RSG	PARTIAL INCORP MSE 01-149 REV 00, 01
19	1/3/02	BCS		DJM	INCORP CR 01-0109
18	12/06/01	BCS	JM	SPF	INCORP MM00 99-623 DCN-02
17	11/2/01	MPW	JM	MRB	PARTIAL INCORP MSE 01-153 REV 00, 01
16	9/28/01	BCS	MPW	RSC	PARTIAL INCORP MSE 01-153 REV 01
15	9/14/01	MPW	MRB	ICW	PARTIAL INCORP MSE 01-153 REV 00
14	1/26/01	BCS	DWS	JCM	INCORP MSE 01-0011 REV. 0
13	9/5/00	DWS	BCS	RSG	INCORP DCR 98014 DCN#00, 01, 02 & 03 MSE 00-0100 REV-0
12	6/2/98	DRL	BCS	VWS	INCORP MM00 97-521 DCN#00
11	6/13/97	DWS	MPW	GG	INCORP MM00 960521 DCN#00 & 01
10	11/27/95	MPW	BCS	RRC	INCORP DCR 94-20 CA-0
9	8/7/95	BCL	DWS	GRM	INCORP DCR 94-20 CA-03
8	5/31/95	BCL	BCL	RSG	INCORP DCR 92-31 CA-0 & PARTIAL INCORP DCR 94-20 CA-0
7	12/15/94	MPW	MPW	MHO	INCORP MM00 93-545 CA0
6	3/11/94	MRB	BCL	GRM	INCORP MM00 92-553 CA01
5	11/24/93	MRB	BCL	BAM	INCORP DCR 91-45 CA03
4	10/20/92	MRB	DWS	WDS	INCORP MM00 90-627 CA0
3	5/8/92	MRB	MPW	BCL	INCORP MM00 91-551 CA03 & 91-622 CA0 REVISED NOTES 2 & 4 AND DELETED FIGS & SPEC BREAKS FOR FOR DWG ENHANCEMENT
2	4/20/88	PAL	BCL	RRC	CORRECTED NOTE 3, ADDED LINE SIZE & REDUCED REF SYS SHOWN IN PHANTOM
1	10/30/86	JDM	WRD	RRC	DELETED DUPLICATED VALVE, SEE V204 ADDED REF DWG 10000, DELETE V204 CONTROL BOX, AND PER P&ID CORRECTIONS 8/2/1995 PER ECA 95/010544, UPDATE REF DWG REV 5 & REV DWG ACCORDINGLY. PARTIAL CONTINUATIONS, ADDED NOTES 5-8. ISSUED FOR OPERATIONS

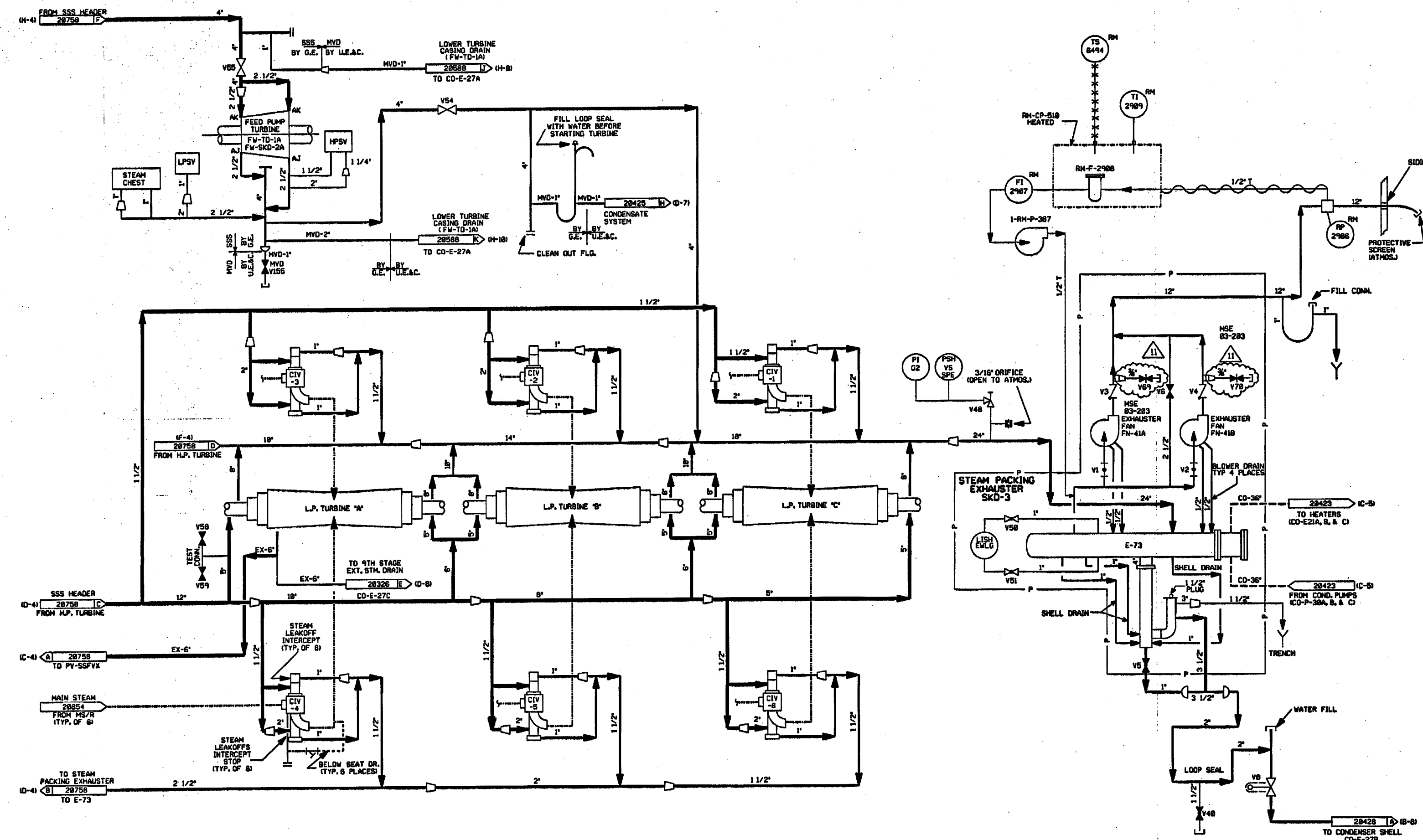
FPL ENERGY Seabrook Station

CONDENSER AIR EVACUATION SYSTEM P&ID

PID- 1-AR-B20744

PID-1-SSS-B20759

FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 28756 & 28758.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX 1-SSS, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS "MS" UNLESS NOTED OTHERWISE.
 4. Δ INDICATES REVISION LEVEL.
 5. DELETED
 6. DOTTED & DASHED LINES DENOTE MAIN STEAM PIPING.

11	6-8-84	BCS	JM	KBB	INCOMP. MSE 83-283 REV-02
10	12/18/83	BCS	JM	PCB	REVISED PER CR 99-18734 REV. 8
9	5/7/82	HPM	JM	BCS	REVISED PER FFP-8 28416.28128 & 150'S
8	1/5/81	BCS	DWS	JCM	INCOMP. MSE 880831 REV. 8
7	12/4/76	HPM	BCS	DJM	INCOMP. MWD 95-584 CMB
6	4/28/72	MWB	DWS	JEV	INCOMP. MWD 91-535 CMB
5	2/2/70	MWB	RPL	IV	RE-INCORPORATED DCR 88-197 CA-BI
4	5/5/69	MWB	GPH	GRM	INCORPORATED DCR 88-197 CA-BI, REVISED NOTE 3, CONT. TAG DESCRIPTIONS, ADDED CONTINUATION COORDINATES
3	11/26/66	MWB	WRD	RRC	ADDED NOTE FOR PAID LEGEND DMS CONT. COORDS, DELETED NOTE 5 AND CHANGE ITEM 3, REVISED DRAFTING ERRORS AND REF DMS REV. 5
2	8/28/66	DWS	JDM	RRC	ADDED CO CONFID. & CO-E-27C DESIGN, REMOVED CHANGE ITEMS 1 & 2, ADDED CHANGE ITEM 3
1	10/18/65	TAK	DWS	WFD	ISSUED FOR OPERATIONS, GENERAL REVISION
0	8/7/64	CB	BSL	WFD	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	SES	DESCRIPTION

FPL ENERGY

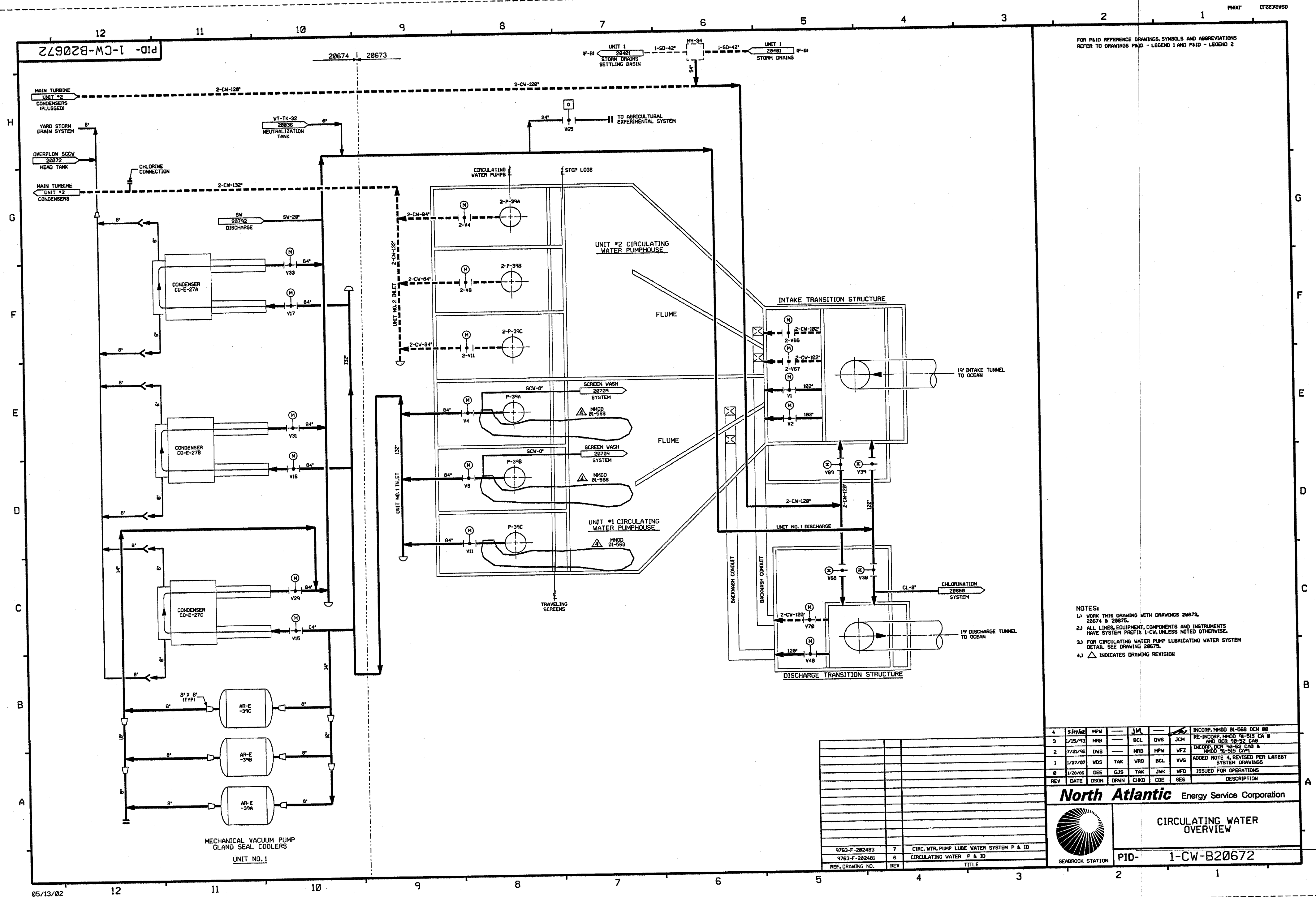
Seabrook Station



**TURBINE STEAM SEAL SYSTEM
DETAIL**

PID- 1-SSS-B20759

REF. DRAWING NO.	REV	TITLE
9763-FP-28735	8	FEED PUMP TURBINE
9763-FP-28416	1	STEAM PACKING EXHAUSTER
9763-FP-28415	10	T-G STEAM SEAL SYSTEM DIAGRAM
9763-F-282888	11	EXTRACTION STEAM-P & I DIAGRAM
9763-F-282877	15	CONDENSATE SYSTEM-P & I DIAGRAM
9763-F-282884	14	HEATER MIST, VENTS & DR-P & I DIAGRAMS
9763-F-282887	8	FEED PUMP TURBINE DRAINS-P & I DIAGRAMS
9763-F-282875	14	MAIN STEAM SHUT 2 OF 2 PAID
9763-F-282870	5	STEAM SEAL SYSTEM-P & I DIAGRAMS



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

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 28673, 28674 & 28675.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX 1-CW, UNLESS NOTED OTHERWISE.
 3. FOR CIRCULATING WATER PUMP LUBRICATING WATER SYSTEM DETAIL SEE DRAWING 28675.
 4. Δ INDICATES DRAWING REVISION

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
4	5/15/93	MRB	---	JM	---	---	INCORP. M400 01-568 DCH 00
3	1/15/93	MRB	---	BCL	DWS	JCM	RE-INCORP. M400 01-515 CA 0
2	7/21/92	DWS	---	MRB	MPW	WFZ	INCORP. DCR 38-52 CAB & M400 01-515 CAP
1	1/27/87	WDS	TAK	WRD	BCL	VWS	ADDED NOTE 4, REVISED PER LATEST SYSTEM DRAWINGS
0	1/28/86	DEE	GJS	TAK	JWK	WFD	ISSUED FOR OPERATIONS

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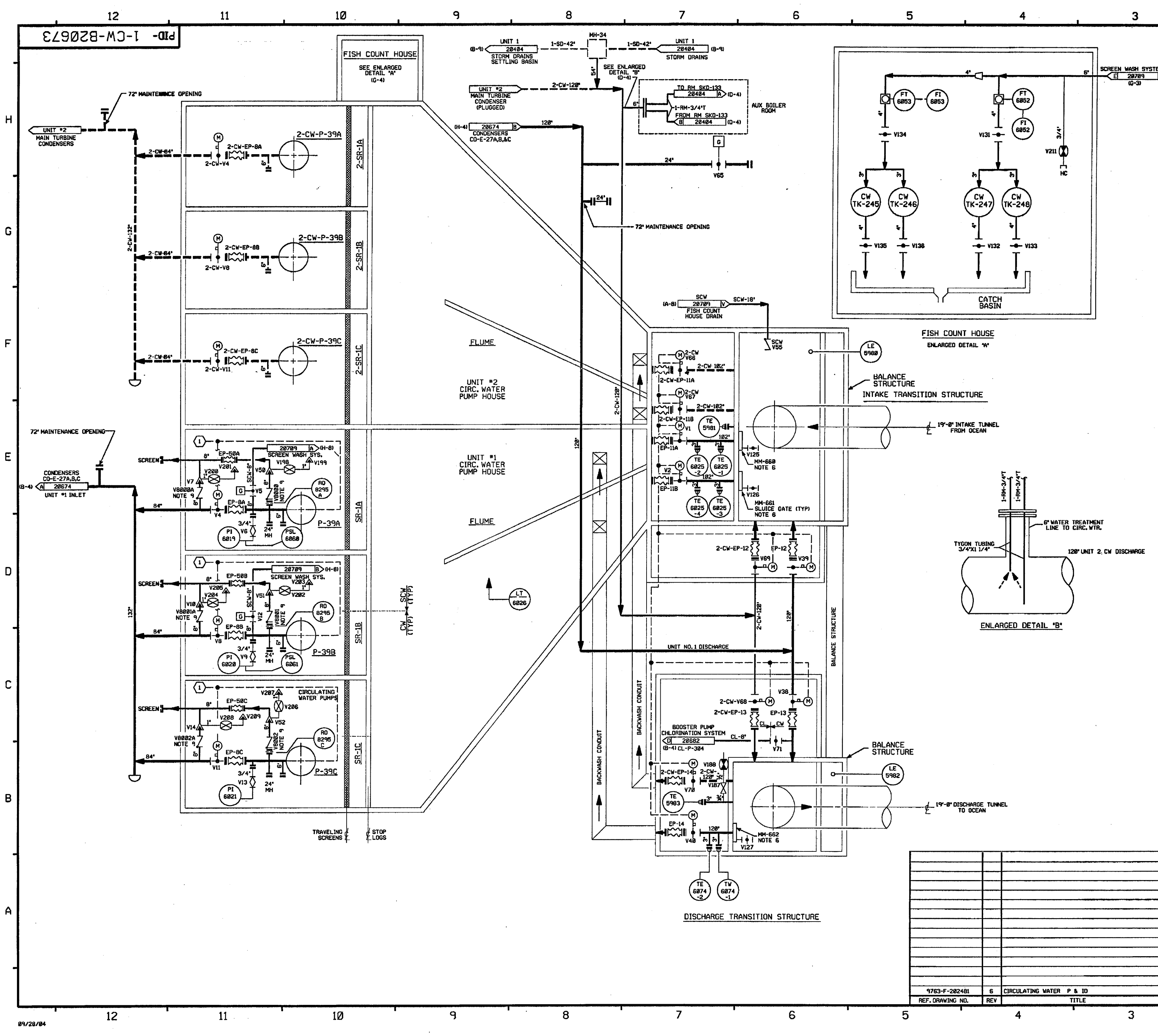


CIRCULATING WATER OVERVIEW

PID- 1-CW-B20672

REF. DRAWING NO.	REV	TITLE
9763-F-282483	7	CIRC. WTR. PUMP LUBE WATER SYSTEM P & ID
9763-F-282481	6	CIRCULATING WATER P & ID

PID-1-CW-B20672



FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2

NOTES:

- 1) WORK THIS DRAWING WITH DRAWINGS 28672, 28674 & 28675.
- 2) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX 1-CW, UNLESS NOTED OTHERWISE.
- 3) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
- 4) DELETED.
- 5) ① LUBE WATER FLOW NORMAL, SCREEN DIFFERENTIAL NORMAL AND CONDENSER WATER BOX VACUUM BREAKER VALVES CLOSED.
- 6) SLUICE GATES ARE DESIGNED TO BE USED INTERCHANGEABLY IN ANY SET OF GUIDES OF THE SPECIFIED SIZE.
- 7) DASH LINES DESIGNATE UNIT #2 PIPING.
- 8) Δ - INDICATES REVISION LEVEL.
- 9) THE DUAL FUNCTION OF THESE SURGE CHECK VALVES IS TO LET AIR BE RELEASED FREELY FROM THE CW SYSTEM THROUGH THE VENT, BUT CLOSE WHEN SEAWATER RAPIDLY ENTERS THE VALVE AFTER VENTING IS COMPLETE.
- 10) VALVE V187 IS ON A COUPLING WELDED TO THE THERMOWELL SLEEVE. REF. SPEC. 252-B SH. 41.

21	10/13/04	BCS	JM	REP	INCORP. CR 04-06277 REV. 0
20	4/3/03	JM	BCS	MPW	INCORP. CR 00-00723 REV. 00 & CR 02-14663 REV. 00
19	1/6/03	JM	MPW	BCS	INCORP. CR 02-01414 REV. 00 & CR 02-00274 REV. 00
18	5/17/02	MPW	JM	IV	INCORP. MMOD 01-568 DCN. 00, 06
17	10/15/01	BCS	JM	JMS	INCORP. MSE 99-0219 REV. 0
16	4/13/00	MPW	DWS	RPN	INCORP. MMOD 93-562 DCN. 00
15	11/17/98	MPW	BCS	RSB	INCORP. MMOD 98-639 DCN. 00
14	11/16/97	DWS	MPW	JCM	INCORP. DCR 950011 CA*0
13	6/27/96	BCS	MPW	HWM	INCORP. DCR 91-26 CA*05
12	12/4/94	MPW	BCL	MHO	INCORP. MMOD 93-545 CA*0
11	7/27/92	DWS	MPW	JW	INCORP. DCR 870237 CA*0 & 1
10	7/2/92	DWS	MRB	WFZ	REINCORP. DCR 90-52
9	6/19/92	MRB	BCL	IV	RE-INCORP. MMOD 91-515 CA*01
8	2/6/92	MRB	BCL	RSB	INCORP. MMOD 91-515 CA*01
7	2/5/92	MRB	BCL	RSB	INCORP. DCR'S 91-21 CA*0 & 90-52 CA*0 REV. CONTINUATIONS TO REFLECT CORRES. PIDS
6	3/11/91	MRB	APL	IV	INCORP. DCR 89-65 CA*03
5	5/1/90	MRB	APL	IV	INCORP. DCR 86-433 CA*29
4	4/25/89	GPM	MRB	PEB	REVISED NOTE 3
3	11/21/86	PAL	PAL	RRC	INCORP. DCR 86-546 CA*05 ADDED VALVE NOT'S V8000-0003, 2-CW PREFIX FOR UNIT 2 REFS AND REF CORR'S TO FLAGS, DELETED NOTE 9 AND VVA REF DNG.
2	9/22/86	MAP	BCL	RRC	INCORP. ECA 19/17262A
1	6/28/86	BLL	BCL	RRC	CHOD V80 TO V80 PER DEAC PAID VALVES V8001 & V802 ARE DUEL ACTION VALVES, HENCE VALVE NOT'S V8000- V8003 ARE NOT REQUIRED.
0	8/28/86	DEE	TAK	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	SES	DESCRIPTION

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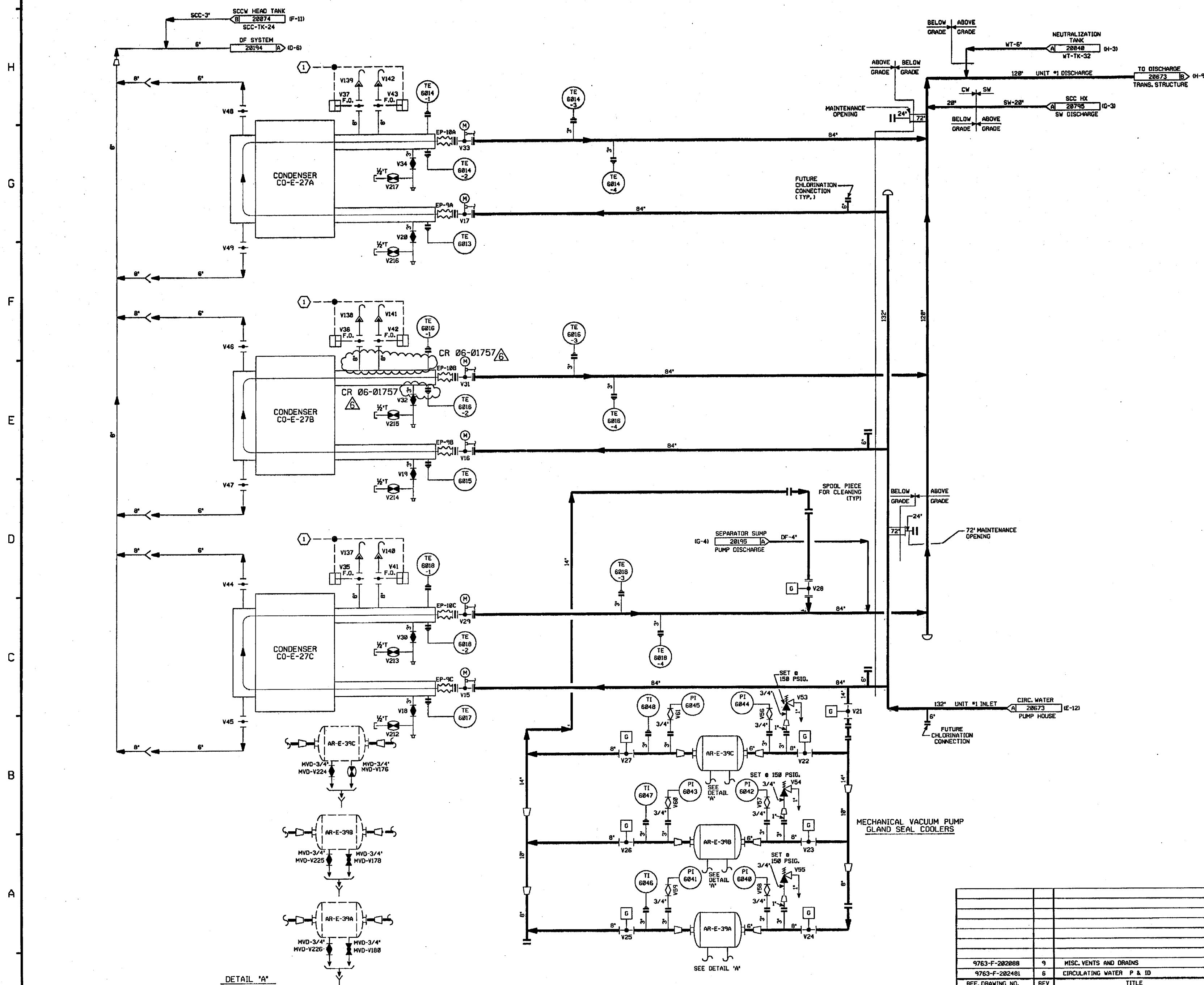
CIRCULATING WATER DETAIL

PID- 1-CW-B20673

9763-F-202481 6 CIRCULATING WATER P & ID
REF. DRAWING NO. REV TITLE

PID-1-CW-B20674

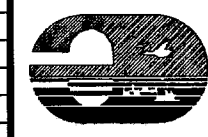
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2



- NOTES:
- 1) WORK THIS DRAWING WITH DRAWINGS B20672, B20673 & B20675.
 - 2) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX 1-CW, UNLESS NOTED OTHERWISE.
 - 3) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NWS UNLESS NOTED OTHERWISE.
 - 4) LUBE WATER FLOW NORMAL, SCREEN DIFFERENTIAL NORMAL AND CONDENSER WATER BOX VACUUM BREAKER VALVES CLOSED.
 - 5) Δ INDICATES REVISION LEVEL.

6	3-29-06	BCS	IM	200	INCORP. CR 06-01757 REV. 0
5	10/1/01	BCS	MPW	DJM	INCORP. MSE 00-0376 REV. 0
4	10/6/99	MPW	BCS	DJM	INCORP. DCR 95-38 DCM 00
3	4/19/87	JDM	PAL	RRC	INCORP. DCR 86-602 CA 00
2	11/12/86	PAL	WRD	RRC	ADDED NOTE 4, REF. COORDS TO REF. FLANGES, MVD DRAINS TO GLAND SEAL COOLERS
1	6/13/85	DWS	DWS	RRC	ADDED OF CONTINUATION
0	1/28/85	DEE	TAK	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY Seabrook Station



CIRCULATING WATER
DETAIL

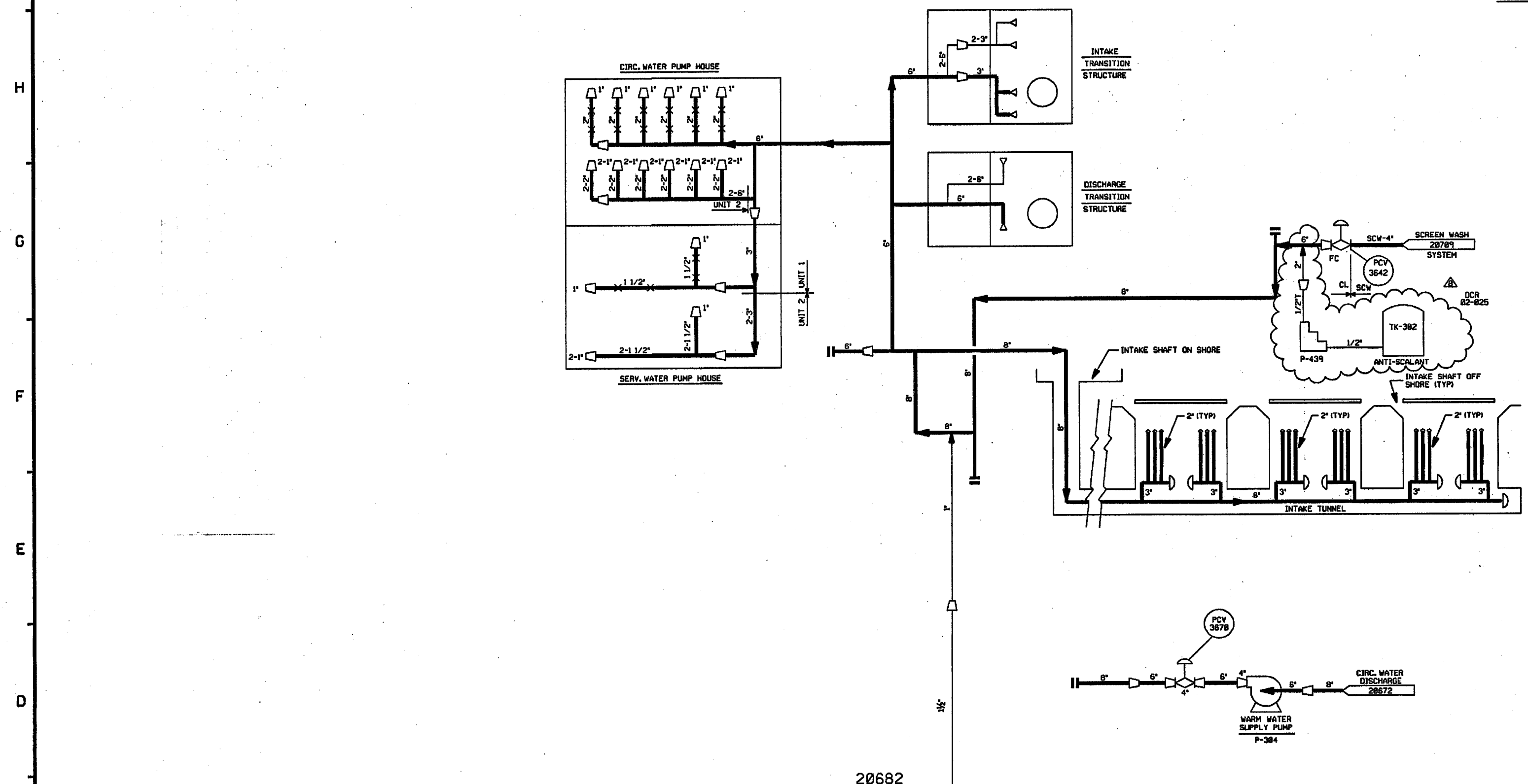
PID- 1-CW-B20674

9763-F-202088	9	MISC. VENTS AND DRAINS
9763-F-202401	6	CIRCULATING WATER P & ID
REF. DRAWING NO.	REV	TITLE

PID-1-CL-B20680

20682

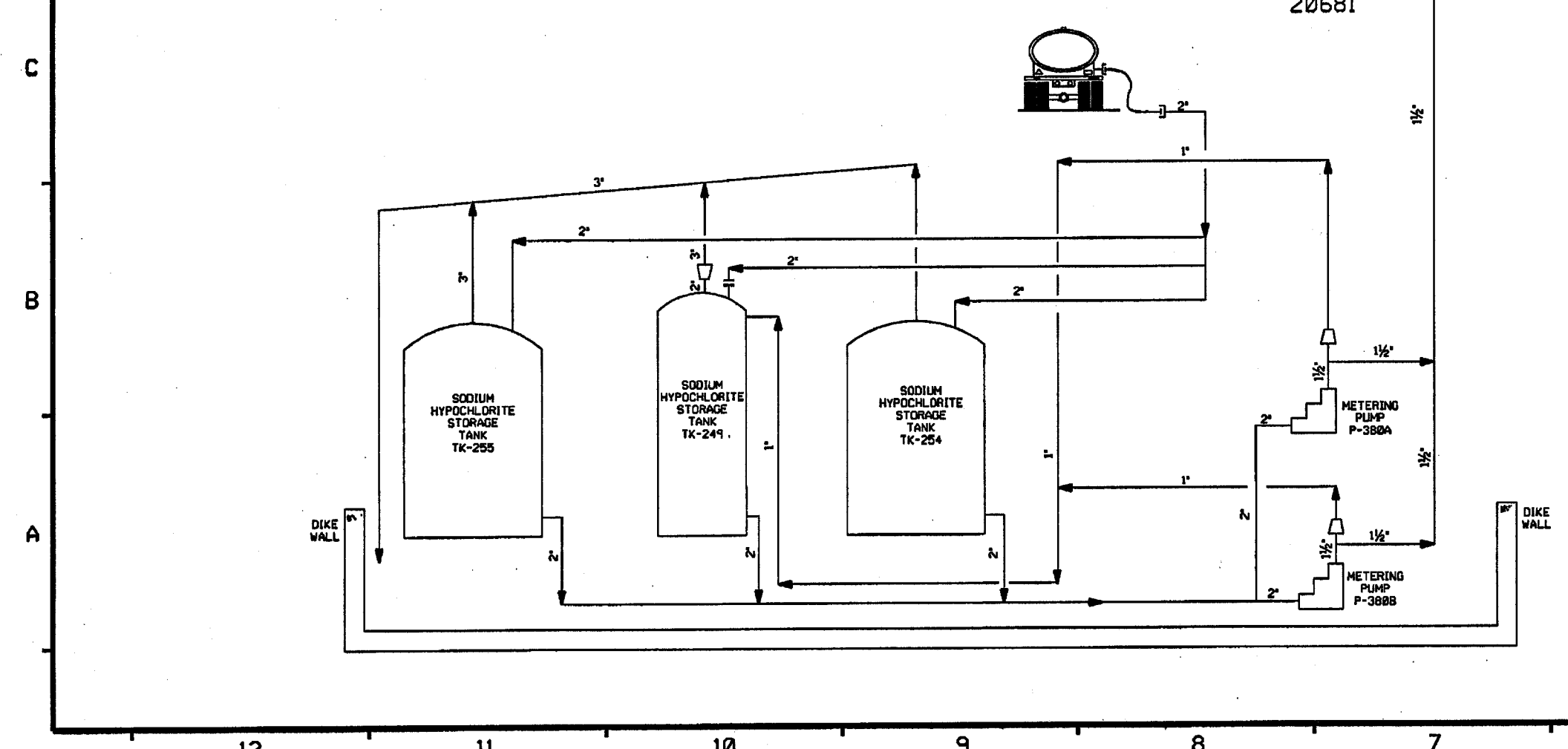
FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2



20682

20681

20681

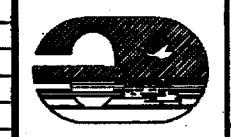


NOTES:
1. WORK THIS DWS WITH DWS. 20681 & 20682.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS
HAVE SYSTEM PREFIX CL. UNLESS NOTED.
3. Δ - INDICATES REVISION LEVEL.

8	4/21/04	BCS	JM	ML	INCORP. DCR 82-825 DCN-882.
7	5/25/82	JM	MPW	RRB	INCORPORATED M400 81-8568 DCN 88
6	3/24/88	BCS	MPW	SPF	INCORPORATED DCR 93-19 DCN-88
5	3/31/97	BCS	DMS	RSG	INCORPORATED DCR 94-49 CAB. 83. DCR 92-8812 CA-B, REINCORP. DCR 91-26 CA-B.
4	3/19/92	MRB	RMC	IV	INCORPORATED DCR 91-26 CAB
3	3/27/91	MRB	JM	MPW	INCORP. DCR 88-183 CAB ADDED: PAID REFERENCE DWS NOTE
2	4/25/89	MPW	MRB	PEB	DELETED DCR 85/2228 IN INCOMPLETE ITEMS PER DCR 88-546 INCORP. DCR 88-546 CAB.
1	1/28/87	WDS	WRD	VWS	ADDED NOTE 3, REVISED PER LATEST SYSTEM DRAWINGS
0	1/13/86	DM	WES	EDW	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	SES	DESCRIPTION

FPL ENERGY

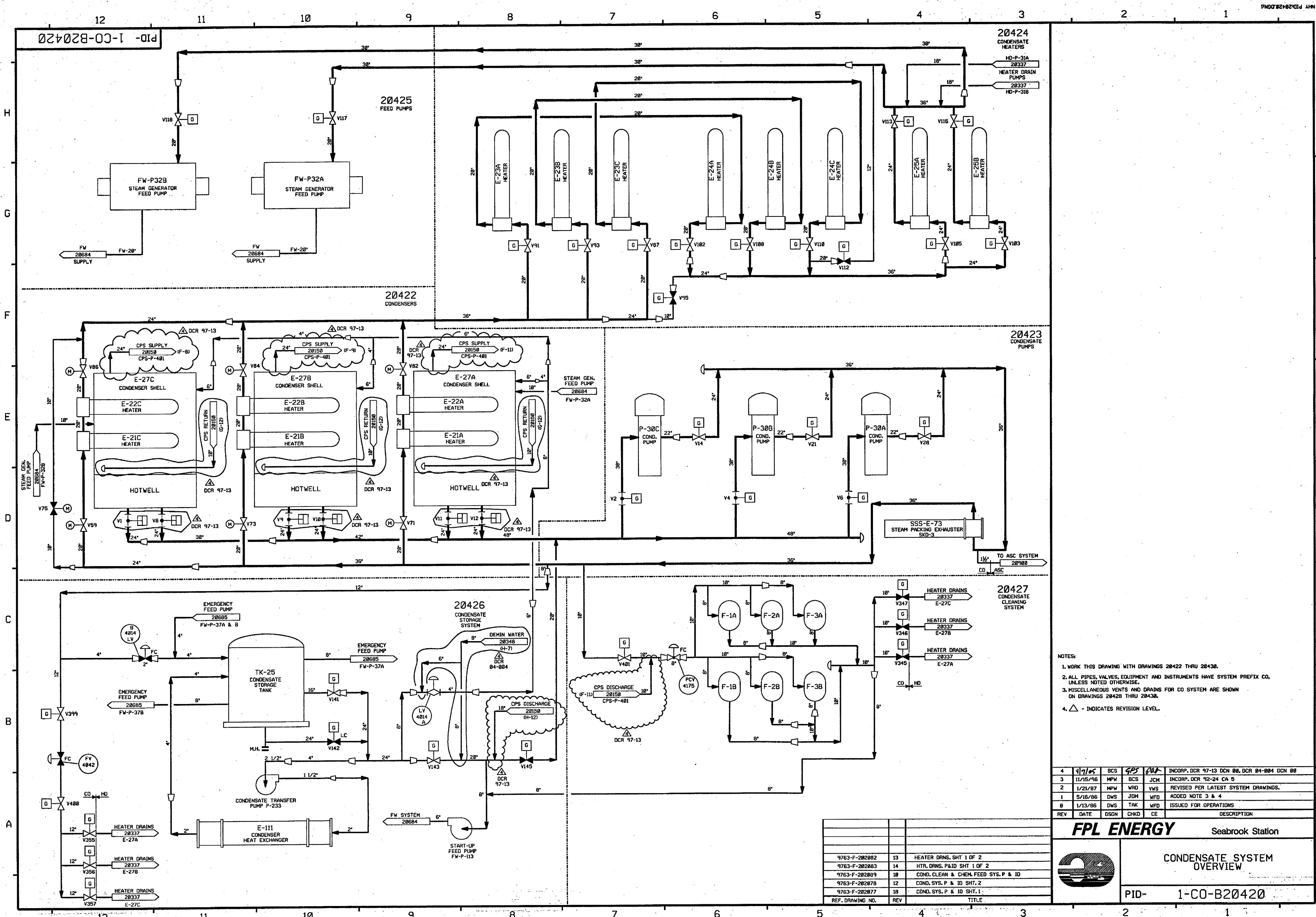
Seabrook Station




CHLORINATION SYSTEM
OVERVIEW

PID- 1-CL-B20680

9763-F-202484	7	INTAKE TUNNEL CHLORINATION & DISTRIBUTION SYSTEM P & ID
REF. DRAWING NO.	REV	TITLE

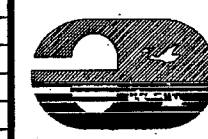


- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20422 THRU 20430.
 2. ALL PIPES, VALVES, EQUIPMENT AND INSTRUMENTS HAVE SYSTEM PREFIX CO. UNLESS NOTED OTHERWISE.
 3. MISCELLANEOUS VENTS AND DRAINS FOR CO SYSTEM ARE SHOWN ON DRAWINGS 20428 THRU 20430.
 4.  - INDICATES REVISION LEVEL.

4	4/7/05	BCS	GPS	ROA	INCOMP. DCR 97-13 DCN 00, DCR 04-004 DCN 00
3	11/25/96	MPW	BCS	JCM	INCOMP. DCR 92-24 CA 5
2	1/21/87	MPW	WFD	VVS	REVISED PER LATEST SYSTEM DRAWINGS.
1	5/18/86	DWS	JDM	WFD	ADDED NOTE 3 & 4
0	1/13/86	DWS	TAK	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

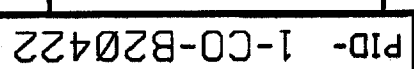
Seabrook Station



CONDENSATE SYSTEM OVERVIEW

PID- 1-CO-B20420


9763-F-262882	13	HEATER DRNS. SHT 1 OF 2
9763-F-262883	14	HTR. DRNS. PAID SHT 1 OF 2
9763-F-262889	18	COND. CLEAN & CHEM. FEED SYS. P & ID
9763-F-262878	12	COND. SYS. P & ID SHT. 2
9763-F-262877	18	COND. SYS. P & ID SHT. 1
9763-F-262876	25F	3771 F

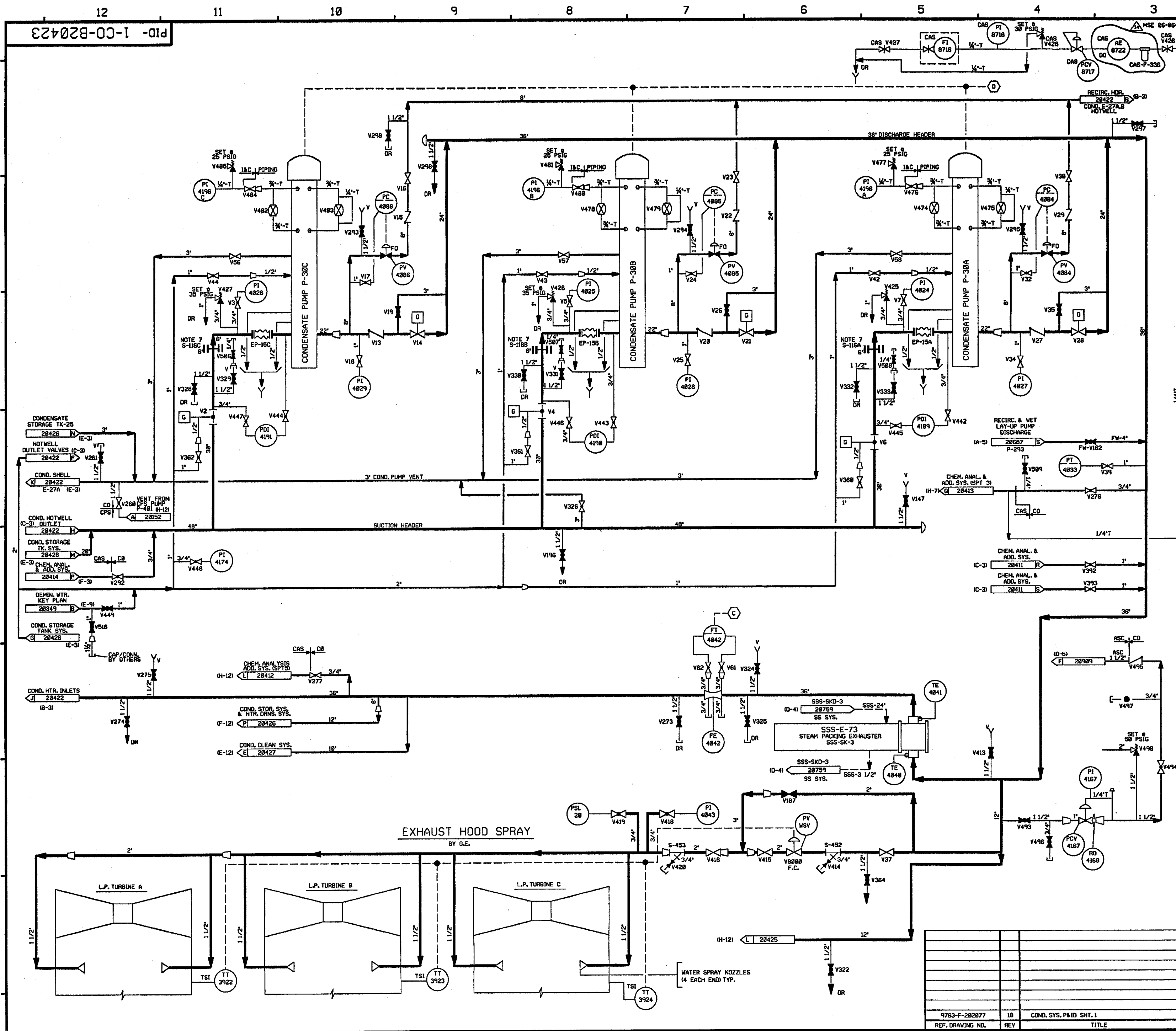


NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 2842B, 28423 THRU 28427.
2. ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX CO, UNLESS NOTED OTHERWISE.
3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
4. INSTRUMENTATION REFERENCES:
 - (B) TO COND. STORAGE SYSTEM, 1-CO-LV-4814A & B ON DWG CO-2842B.
 - (C) HIGH-HIGH LEVEL TO CLOSE RESPECTIVE HEATER COND. INLET TO NO.1 & OUTLET OF NO.2 WHILE OPENING BYPASS VALVE 1-CB-V75.
5. DELETED
6. \triangle - INDICATES REVISION LEVEL
7. VALVES 358 & 359 TO BE MAINTAINED IN A THROTTLED POSITION TO PROVIDE A 4# PSIG NOMINAL BACK PRESSURE.
8. FOR OTHER NOZZLES ON HEATERS 1-CB-21A,B&C AND 1-CB-E-22A&B SEE PID'S

CB-2842B
EX-28326
EX-28327
HD-28339
HD-28340
HD-28341

FPL ENERGY		Seabrook Station
	CONDENSATE SYSTEM DETAIL	
	PID-	1-CO-B20422

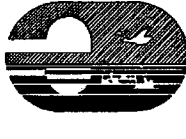


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20420, 20422 & 20424 THRU 20427.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX CO, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NMS, UNLESS NOTED OTHERWISE.
 4. INSTRUMENTATION REFERENCES:
 - (C) TO COND. STORAGE SYS. 1-CO-FY-4842 ON DWG. 20426.
 - (D) TO FEEDWATER PUMP SUCTION 1-CO-PSL-4834 & 4835 DWG. CO-20425.
 5. Δ - INDICATES REVISION LEVEL.
 6. DELETED
 7. PERMANENT SPOOL PIECE INSTALLATION IS SHOWN. SUCTION STRAINER IS USED DURING INITIAL OPERATION. STRAINER CAN BE REMOVED FOLLOWING CO SYSTEM CLEAN-UP.

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
14	8/1/96	JM	WAP		INCORP MSE 86-864 REV 00
13	4/15/95	BCS	JM		INCORP DCR 97-13 DCN-00
12	5/16/92	JM	WAP		INCORP MMOD 88-8533 DCN-00 & *25
11	2/4/92	BCS	JM		INCORP MSE 81-8174 REV. 00
10	7/26/88	MPW	DWS		INCORP MMOD 87-637 DCN 00
9	6/7/97	BCS	MPW		INCORP DCR 92-31 CAB4
8	11/13/95	BCL	MPW		REVISED PER ISO CO-4053-34
7	5/18/95	BCL	MPW		INCORP DCR 92-31 CAB & 03
6	5/2/94	BCL	MPW		INCORP DCR 92-24 CAB & 1
5	8/19/93	MRB	BCL		INCORP MMOD 92-589 CAB
4	5/17/91	MRB	JM		INCORP MMOD 90-647 CAB2 & MMOD 89-616 CAB
3	12/29/89	MRB	APL		INCORPORATED DCR 89-47 CAB2 REVISED NOTES 2 AND 3 ADDED SSS-SYSTEM INTERFACE FOR CLARITY
2	10/30/86	PAL	WRD		REVISED LINE SIZES TO EXH. HOOD SPRAY PER G.E. FP-2895L ADDED INSTRUMENTATION & LINE NOS PER UMAC PAID. PI WAS PI IN ERROR ADDED ZONE LOCATIONS TO FLAGS DELETED NOTE 6, UPDATED REV. BLOCK.
1	5/27/86	OPD	JDM		ADDED EXHAUST HOOD SPRAY AND CONTINUATIONS, NOTE 5 INCORP. CHG ITEM #1 PER 202877-R17
0	1/13/86	DWS	TAK		ISSUED FOR OPERATIONS

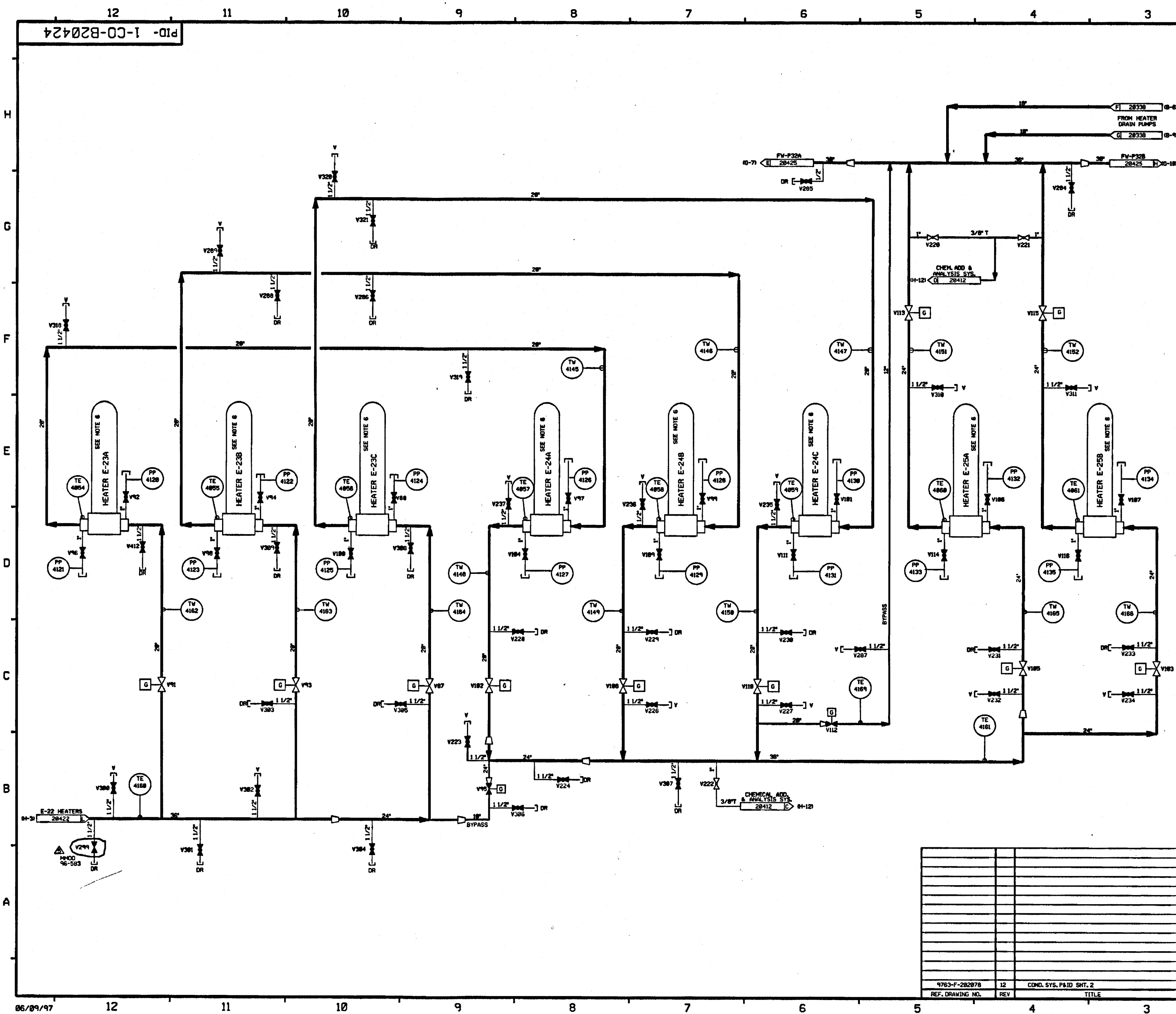
FPL ENERGY
Seabrook Station



CONDENSATE SYSTEM
DETAIL

PID- 1-CO-B20423

REF. DRAWING NO.	REV	TITLE
9763-F-202877	18	COND. SYS. P&ID SHT. 1

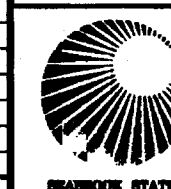


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID-LEGEND 1 AND P&ID-LEGEND 2.

- NOTES:
1. WORK THIS DRAWING WITH 20428, 20422, 20423 , 20425, 20426 & 20427.
 2. ALL PIPES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM IDENTIFICATION UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS 1, UNLESS NOTED OTHERWISE.
4. Δ - INDICATES REVISION LEVEL
5. DELETED
6. FOR OTHER NOZZLES ON HEATERS 1-CO-E-23A,B,C AND 1-CO-24A,B,C SEE PID'S
- CO-20428
CO-20429
CO-20430
EX-20428
EX-20429
EX-20430
EX-20431
EX-20432
EX-20433
EX-20434
EX-20435
EX-20436
EX-20437
EX-20438
EX-20439
EX-20440
EX-20441

5	07/01/73	HRV	DNV	WAS	FAC	BCL	JCM	INCCORP H400 96-983 DGN 01
4	4/23/73			DNV	BCL			INCCORP H400 92-993 CAB
3	06/24/76	HRJ	DNV	WRD			PRH	ADDED CONT FLAG DNO COORDS ADDED VARIABLES TO BE USED TO IDENTIFY VARIABLES BY EXTENSION TO IDENTIFY VARIABLES BY EXTENSION TO IDENTIFY DELETED NOTE 2.
2	5/27/78	OPN	TAK	BCL	JNC		RRC	CHANGE DRAWN LOCATION BACK TO ORIGIN FOR UNKNOWN
1	5/16/78	OPN	SKN	JDN	OLM		WFD	ADDED NOTES 4 & 5
0	1/13/78	OPN	HRN	TAK	DHF		WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CSE	SES		DESCRIPTION

North Atlantic Energy Service Corporation

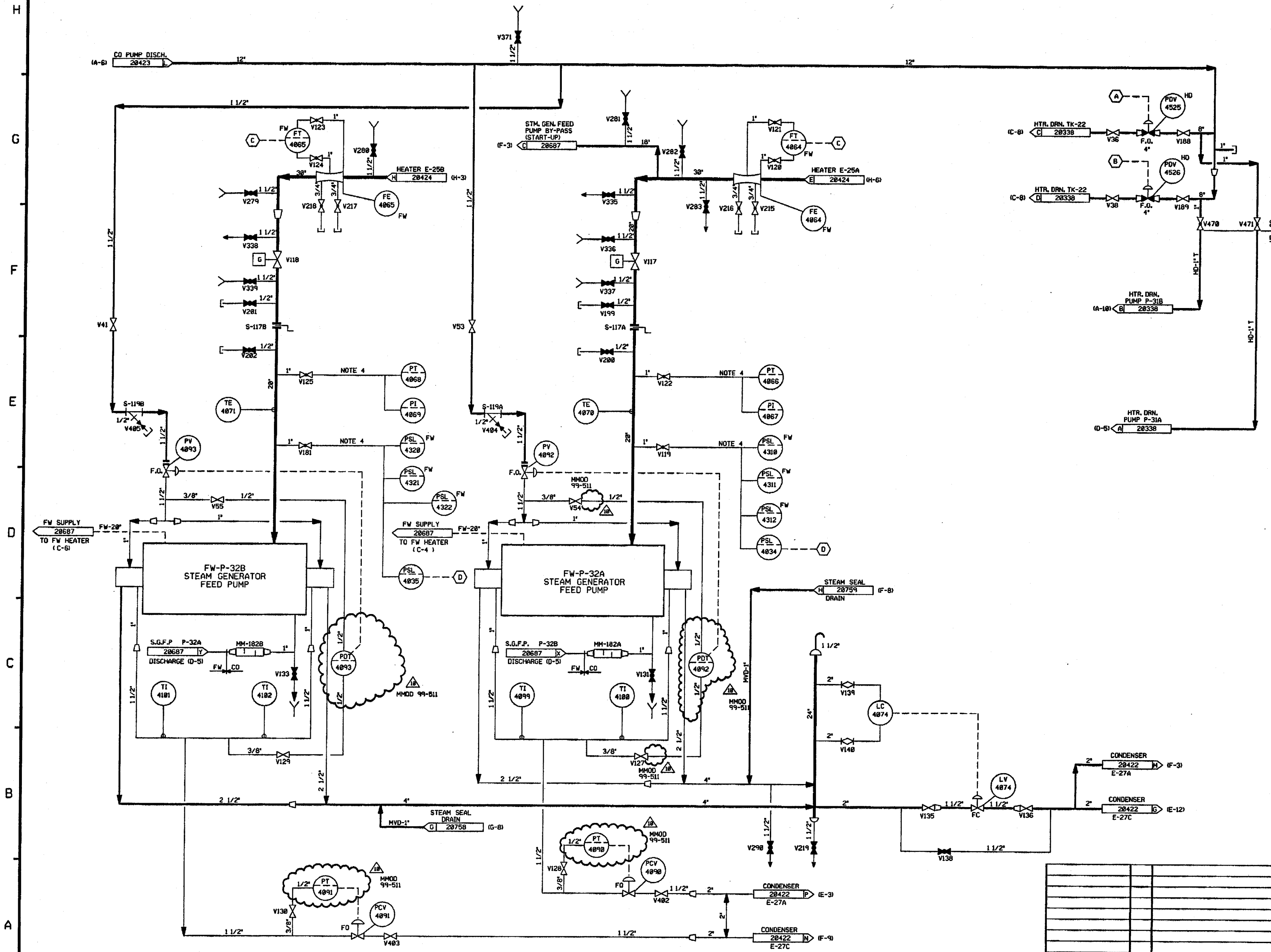


CONDENSATE SYSTEM DETAIL

PID- 1-CO-B20424

PID-1-CO-B20425

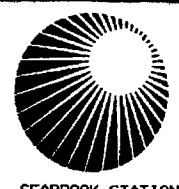
FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20420, 20422, 20423, 20424, 20426 THRU 20430.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX CO UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NMS, UNLESS NOTED OTHERWISE.
 4. REFERENCE TEST LOOP DWGS. FOR VALVE I.D.
 5. INSTRUMENTATION REFERENCES:
 - (A) FROM HD-PDY-4525-2 LOCATED IN HD-CP-551.
 - (B) FROM HD-PDY-4526-2 LOCATED IN HD-CP-551.
 - (C) TO RECIRCULATING VALVES FW-4064 & 4065.
 - (D) TO CONDENSATE PUMP MOTORS 1-CO-P-30A, B&C ON DWG. CO-20423.
 6. Δ INDICATES REVISION LEVEL.

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
10	11/11/00	MRB	---	---	---	---	INCORP. MMOD 99-511 DGN 00
9	8/10/99	MRB	---	---	---	---	INCORP. MMOD 92-053 CAB1
8	11/16/92	MRB	---	---	---	---	INCORP. MMOD 91-552 CAB & DCR 91048 CAL
7	1/20/90	MRB	---	---	---	---	INCORP. MMOD 91-622 CAB
6	9/17/89	MRB	FCB	JM	GPM	WFD	INCORP. MMOD 90-647 CAB
5	8/2/88	MRB	RNC	FCB	DWS	WFD	INCORP. DCR 89-47 CAL4
4	5/5/89	MRB	JM	GPM	PAL	GRM	REVISED CONTINUATION REFERENCE, ADDED PAID LEGEND REF. NOTE.
3	3/4/87	OPD	TAK	MRJ	BCL	RRC	ADDED DRAIN & VENT SYMBOLS, ADDED CONTINUATION REFERENCES, REV'D TO INC. PIPING ERECTION ISO. 1-CO-4049-57
2	4/17/86	BCL	TAK	MAP	VNK	RRC	ADDED CONTINUATIONS & NOTE 6.
1	2/16/86	OPD	SKN	JDM	DFM	WFD	ADDED CONTINUATIONS & NOTE 6.
0	1/13/86	DWS	MRB	TAK	DHF	WFD	ISSUED FOR OPERATIONS

North Atlantic Energy Service Corporation



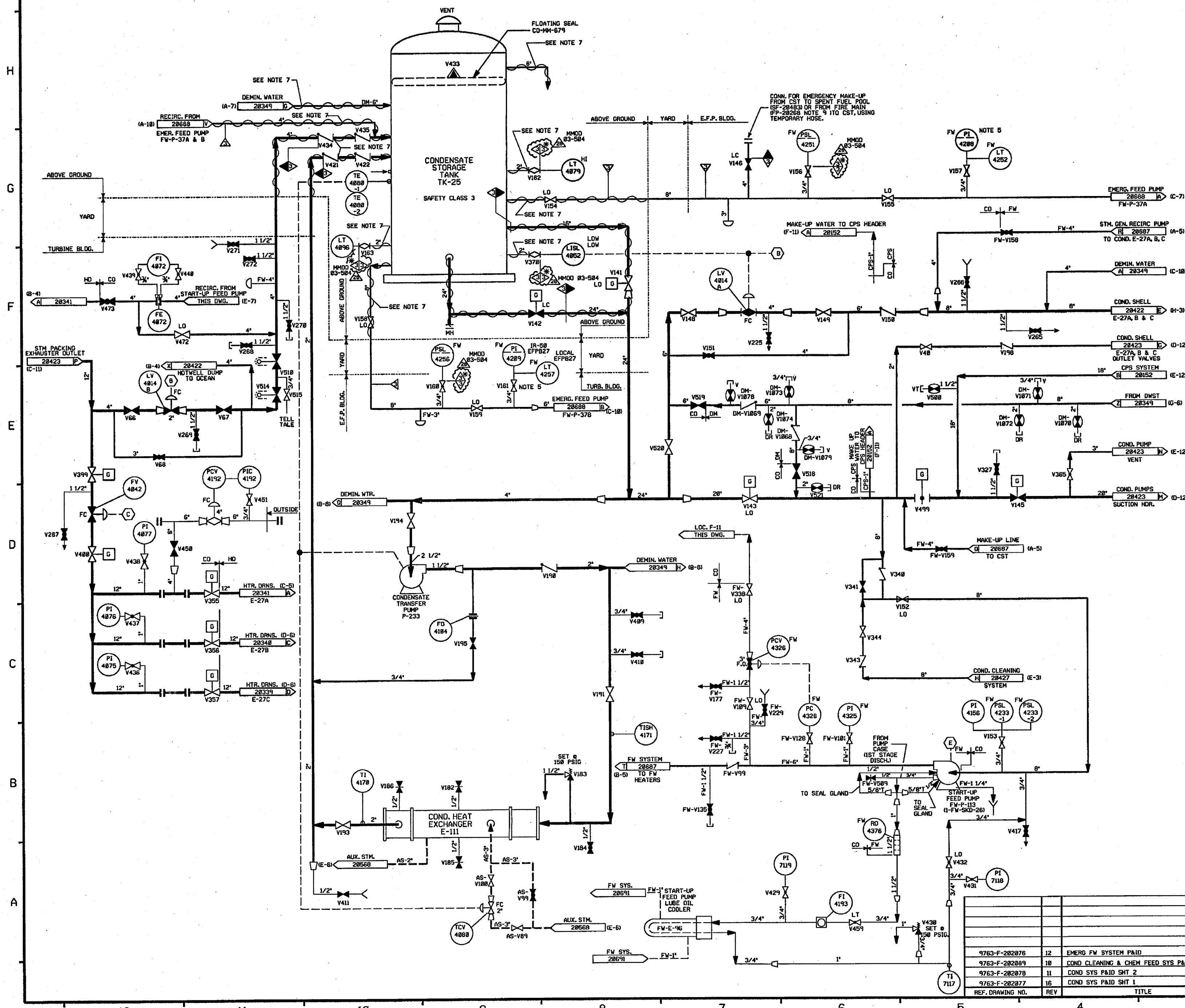
CONDENSATE SYSTEM
DETAIL

PID-1-CO-B20425

REF. DRAWING NO.	REV	TITLE
9763-F-202083	14	HTR. DRN. SYS. PAID SHY. 2 OF 2
9763-F-202089	10	COND. CLEANING & CHEM. FEED SYS. PAID
9763-F-202070	11	COND. SYS. PAID SHY. 2
9763-F-202077	16	COND. SYS. PAID SHY. 1

PID-1-CO-B20426

FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2

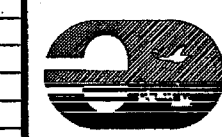


- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20426, 20422, 20423, 20424, 20425 & 20427.
 2. ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX CO, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
 4. INSTRUMENTATION REFERENCES:
(B) TO COND HOTWELL, 1-CO-LT-4818, 4811, 4812 DWG 20422.
(C) TO STEAM PACKING EXHAUSTER VENTURI, 1-CO-FT-4842 ON DWG 20423.
(E) LUBE OIL PIPING FROM FW-P-161.
 5. REF TEST LOOP DIAGRAM FOR VALVE I.D.
 6. Δ - INDICATES REVISION LEVEL.
 7. HEAT TRACING HAS BEEN DISCONNECTED AND IS NONFUNCTIONAL.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

26	11/01/86	JM	BS	20426	INCORP MMDD 03-504 DCM 00
27	4/30/85	BCS	JM	DJM	INCORP DCR 97-013 DCM 00, 174 INCORP DCR 04-004 DCM-00 & 06
28	11/24/83	BCS	MPW	HWM	INCORP CR 03-05429
25	10/14/83	MPW	BCS	SAK	PARTIAL INCORP DCR 97-013 DCM 00
24	7/11/82	MPW	JM	IV	INCORP DCR 95-038 DCM 00 & 38 MMDD 06-533 DCM 00
23	3/14/82	JM	MPW	DJM	INCORP MSE 00-189 REV. 0
22	10/01/81	BCS	MPW	DJM	INCORP MSE 00-233 REV. 0
21	6/9/79	DWS	RWS	DJM	INCORP MMDD 97-618 DCM 00
20	1/2/78	DRL	MPW	VMS	INCORP MMDD 96-550 DCM 02
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

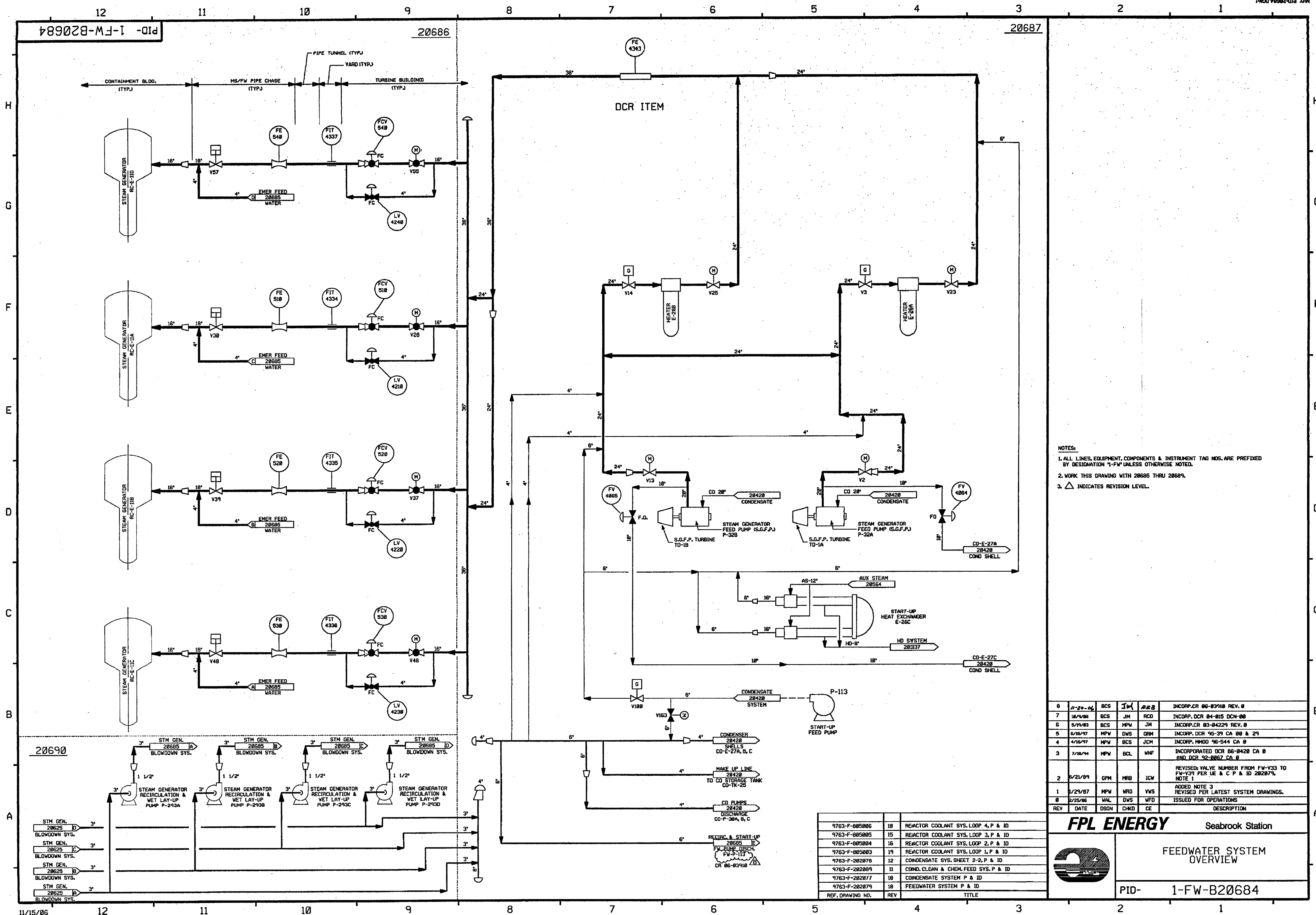
FPL ENERGY Seabrook Station



CONDENSATE SYSTEM
DETAIL

PID- 1-CO-B20426

9763-F-202076	12	EMERG FW SYSTEM PAID
9763-F-202089	10	COND CLEANING & CHEM FEED SYS PAID
9763-F-202078	11	COND SYS PAID SHT 2
9763-F-202077	16	COND SYS PAID SHT 1
REF. DRAWING NO.	REV	TITLE

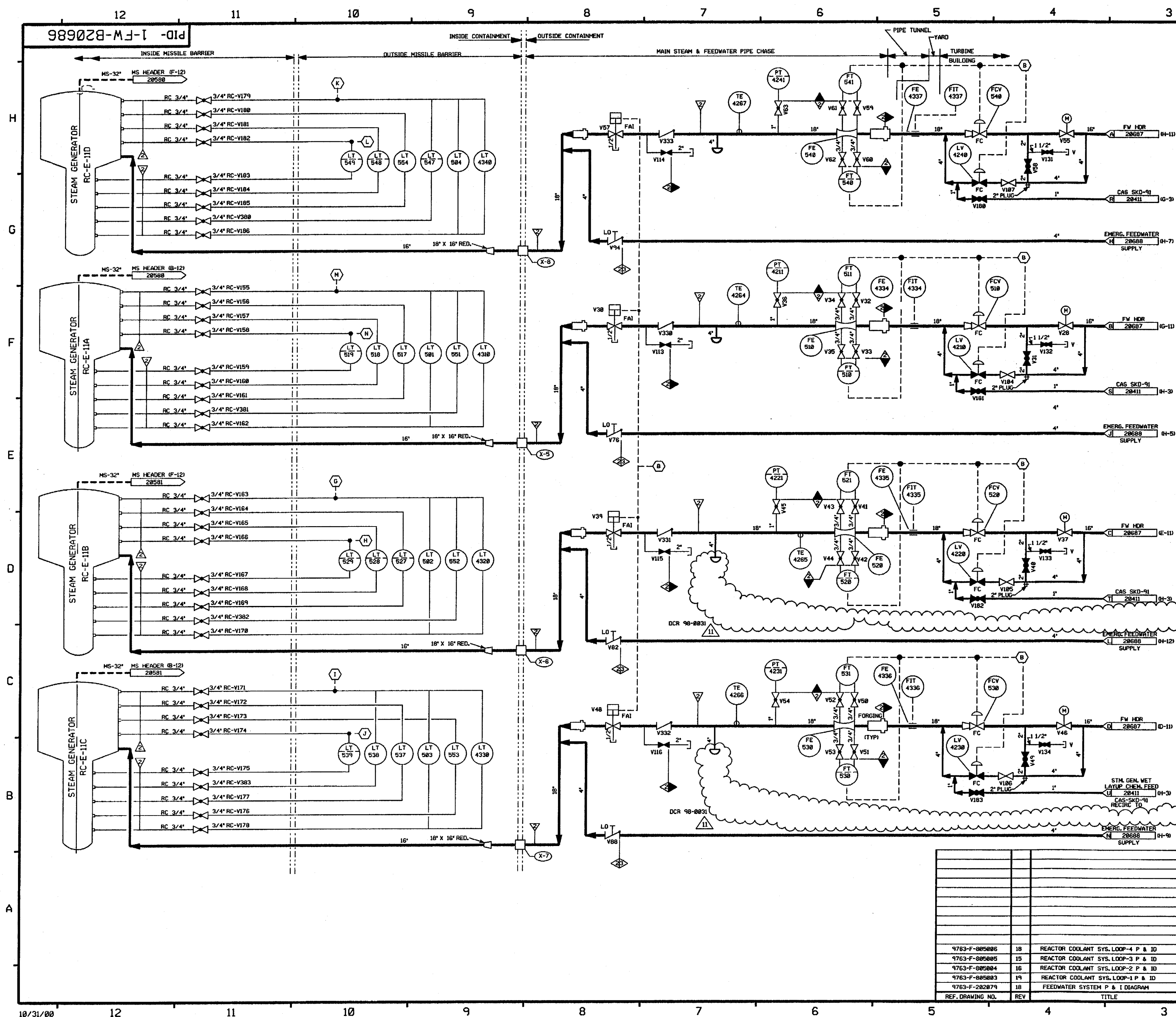


FPL ENERGY Seabrook Station



FEEDWATER SYSTEM OVERVIEW

PID- 1-FW-B20684



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

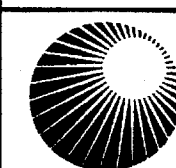
NOTES:

1. PIPING, VALVES, EQUIPMENT & INSTRUMENT TAG NOS. ARE PREFIXED BY DESIGNATION "1-FW", UNLESS OTHERWISE NOTED.
2. WORK THIS DWG. WITH 20684, 20685, 20687 & 20688.
3. INSTRUMENT IDENTIFICATION
 - (B) PROTECTION SYS. FW ISOLATION SIGNAL.
 - (G) TO FT-523 ON DWG. 1-MS-20588
 - (H) TO FT-522 ON DWG. 1-MS-20588
 - (I) TO FT-533 ON DWG. 1-MS-20588
 - (J) TO FT-532 ON DWG. 1-MS-20588
 - (K) TO FT-542 ON DWG. 1-MS-20588
 - (L) TO FT-543 ON DWG. 1-MS-20588
 - (M) TO FT-512 ON DWG. 1-MS-20588
 - (N) TO FT-513 ON DWG. 1-MS-20588
4. VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-WHY-805111, UNLESS NOTED OTHERWISE.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

11	11/8/00	BCS	—	MPW	WFS	REP	INCORP. DCR 98-31 DCM 88
10	4/27/99	RWS	—	BCS	DWS	HMM	INCORP. DCR 96-0028 DCM 88
9	6/12/98	DRL	—	BCS	MPW	VNS	INCORP. MMOD 97-521 DCM 88
8	11/27/95	MPW	—	BCS	RRC	HMM	INCORP. DCR 95-42 CAB
7	7/19/94	BCL	—	DWS	MPW	WVF	INCORP. MMOD 92-67 CAB
6	3/1/91	HMB	—	BCL	DWS	GRV	INCORP. MMOD 92-523 CAB
5	4/28/92	MRB	—	BCL	DWS	RRB	INCORP. MMOD 91-515 CAB
4	9/27/88	GPM	RMC	APL	MPW	—	REVISED PIPING TO CLARIFY DUPLICATION OF ASSOCIATED SYSTEMS AND INTERFACES LOG OF CLASS BREAK FOR CLARIFICATION. ADDED NOTE 4 DELETED NNS-1 CL BOUNDARY.
3	11/4/88	JDM	DWS	WRD	BCL	RRC	CORRECTED INSTR CONN PER REVIEW OF DUC. IMPROVED DESIGN NOTE & REV. DWG. CORRECTED UPDATED REF DWG.
2	8/22/86	JDM	DWS	WRD	VNK	PHI	REV'D TO REFLECT AS-BUILT CONFIG.
1	6/16/86	TAK	OPD	DWS	JMS	RRC	ECA 95/103368
0	2/24/86	WAL	SKN	DWS	JWK	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CODE	SES	DESCRIPTION

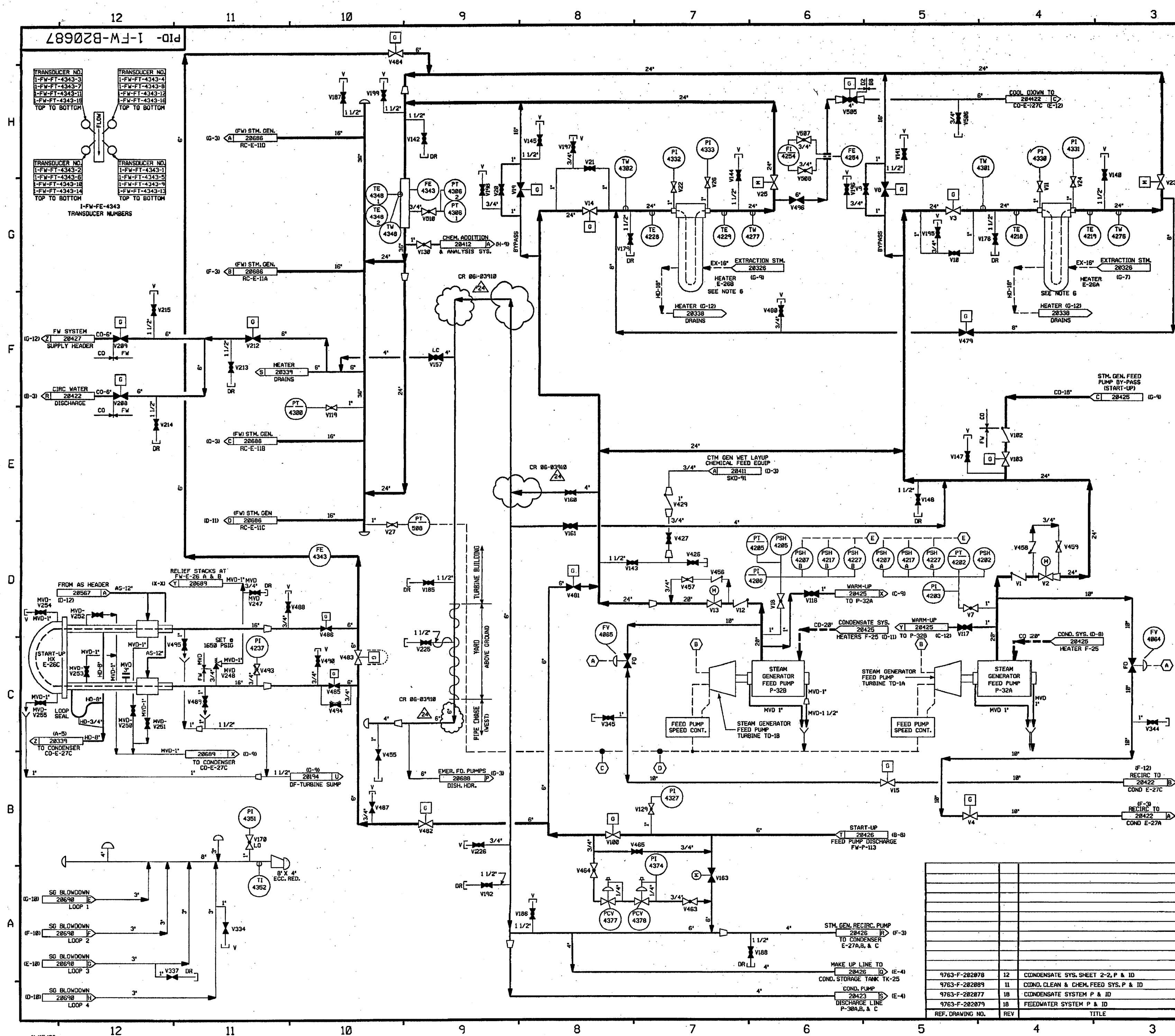
North Atlantic Energy Service Corporation



**FEEDWATER SYSTEM
DETAILS**

PID-1-FW-B20686

REF. DRAWING NO.	REV	TITLE
9763-F-805806	18	REACTOR COOLANT SYS. LOOP-4 P & ID
9763-F-805805	15	REACTOR COOLANT SYS. LOOP-3 P & ID
9763-F-805804	16	REACTOR COOLANT SYS. LOOP-2 P & ID
9763-F-805803	19	REACTOR COOLANT SYS. LOOP-1 P & ID
9763-F-202879	18	FEEDWATER SYSTEM P & I DIAGRAM



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

NOTES:

1. WORK THIS DRAWING WITH 28684 THRU 28686, 28689 & 28998.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX 'FW', UNLESS OTHERWISE NOTED.
3. INSTRUMENT REFERENCES:
 (A) FEEDWATER PUMP FLOW (LOW)
 (B) PROTECTION SYS. FW ISOLATION SIGNAL
 (C) MAIN STEAM HEADER PRESSURE
 (D) TOTAL STEAM FLOW
 (E) TRIPS FEEDWATER PUMPS ON 2/3 HIGH PRESSURE
4. ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS OTHERWISE NOTED.
5. Δ INDICATES REVISION LEVEL.
6. FOR OTHER NOZZLES ON HEATERS 1-FW-E-26/28/29 SEE P&ID'S:
 EX-28326
 FW-28689
 HD-28338
 HD-28475

24	11/20/86	BCS	JM	REB	INCORP CR 86-83918 REV. 8
23	10/29/86	BCS	JM	RCO	INCORP DCR 84-815 DCM 88
22	12/1/85	BCS	JM	HMM	INCORP. MMOD 85-518 DCM-83
21	2/14/82	MPW	BCS	DJM	INCORP. ECA 73/5278A
20	10/6/88	DWS	MPW	JCM	INCORP. MMOD 98-8694 DCM#88
19	4/11/79	RWS	BCS	MKC	INCORP. DCR 97-8844 DCM 88
18	2/23/79	BCS	DWS	MKC	INCORP. MMOD 98-838 DCM-88
17	9/16/77	BCS	MPW	GG	INCORP. MMOD 96-514 DCM-8
16	7/17/77	MPW	BCS	GRM	INCORP. DCR 95-39 CA 29 & DCM 49
15	6/18/77	MPW	DWS	GRM	INCORP. DCR 95-39 CA 8, 1 & 5
14	4/18/77	MPW	BCS	JCM	INCORP. MMOD 96-544 CA8
13	12/2/76	MPW	BCS	RJF	INCORP. DCR 95-39 CA 8
12	7/18/74	MPW	BCL	JCM	INCORP. DCR 86-428 CA 8
11	4/5/73	MRB	DWS	JCM	INCORP. MMOD 92-553 CA8
10	10/27/72	MRB	BCL	IV	INCORP. DCR 91-57 CA8
9	9/2/72	MRB	DWS	DJM	INCORP. MMOD 90677 CA 5
8	4/28/72	DWS	BCL	DJM	INCORP. MMOD 90677 CA 1, 2 & 3
7	9/25/71	GPM	JM	DJM	INCORP. DCR 91-849 CA8 PARTIAL INCORP. OF MMOD 98-677 CA8 REVISED NOTES 1, 2, 3 & 4
6	5/30/71	MRB	RMC	IV	INCORPORATED MMOD 98-598 CA8
5	3/29/70	MRB	APL	RSQ	REVISED INSTR. PER SIS VERIFICATION
4	10/30/67	MPW	BCL	PAS	REVISED NOTE 2-4 DWS CONT. DELETED DUPLICATED VALVES, PIPING & ECA IN THIS SUPERSEDED BY DCR 86-428
3	5/14/67	MPW	DWS	MJT	INCORP. DCR 87-176, REVISED PER U&C P&ID, ADDED NOTE 5, REVISED TO CLARIFY OPERATION OF SYSTEMS INCORP. ECA 99/112343A, ADDED LOCAL DESIGNATION TO CONTINUATIONS, REV'D SIZE OF FW-4864 & FW-4865 FROM 6" TO 10" DELETED VENTS (V135, V136, V139) PER ECA FW/13338E, EXPANDED PUMP MD INTAKE HEADER AREA FOR CLARITY.
2	10/9/66	PAL	MAP	RRC	INCORP. ECA 19/8827298 99/112343A AND 99/118835A, CORRECTED PUMP MD 293, APPROV'D CHANGE ITEM #1 PER 282879 REV. 18
1	8/28/66	DWS	JDM	RRC	282879 REV. 18
REV	DATE	DSGN	CHKD	SES	DESCRIPTION

FPL ENERGY

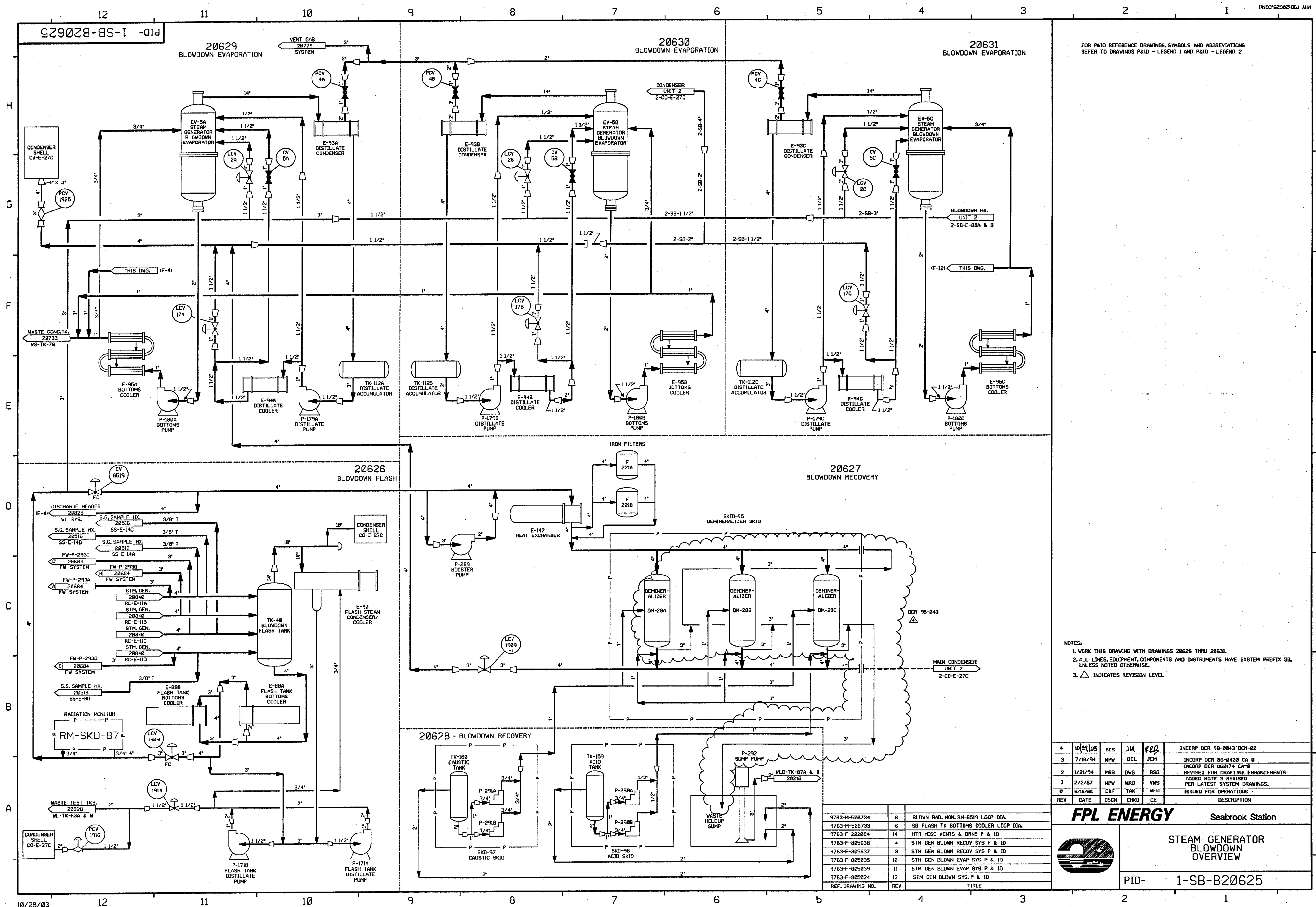
Seabrook Station

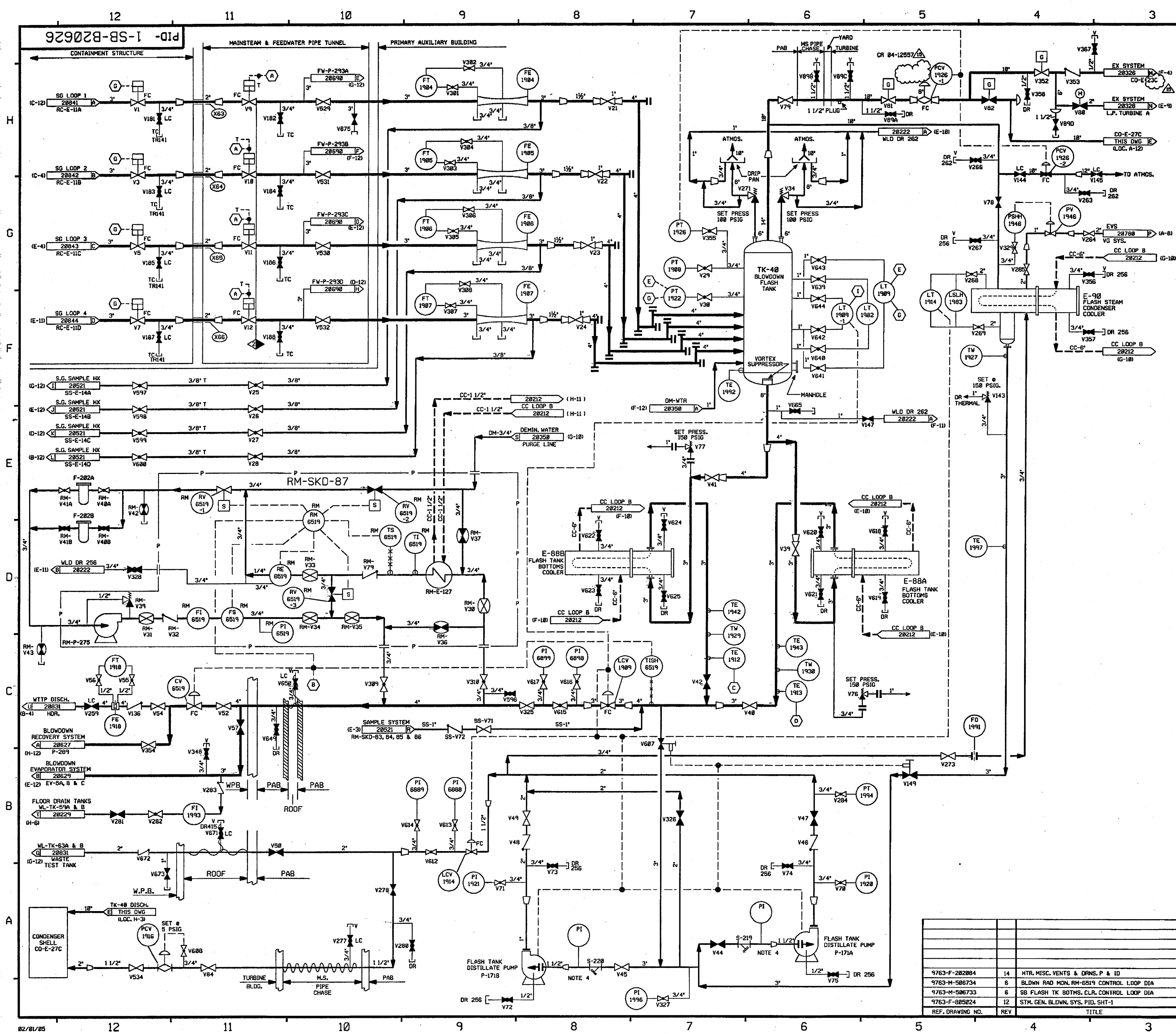


FEEDWATER SYSTEM
DETAILS

PID- 1-FW-B20687

7663-F-202878	12	CONDENSATE SYS. SHEET 2-2, P & ID
7663-F-202889	11	COND. CLEAN & CHEM. FEED SYS. P & ID
7663-F-202877	18	CONDENSATE SYSTEM P & ID
7663-F-202879	18	FEEDWATER SYSTEM P & ID
REF. DRAWING NO.	REV	TITLE





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

- NOTES:
1. WORK THIS DRAWINGS 20625 AND 20627 THRU 20631.
 2. ALL PIPING, VALVES, EQUIP. & INSTRUMENTS HAVE SYSTEM PREFIX SB, UNLESS NOTED OTHERWISE.
 3. ALL PIPING, VALVES, EQUIPMENT & INSTRUMENTS ARE SAFETY CLASS UNLESS NOTED OTHERWISE.
 4. PROVIDE 3/4" PRESSURE TAP & PLUG FOR P.T.'S START-UP ENGINEERING TO PROVIDE PIPING, VALVES & P.T.'S ALSO STRAINER BLOW-OFF PIPING & VALVES FOR INITIAL OPERATION. STRAINER SCREEN TO BE REMOVED AFTER START-UP.
 5. Δ INDICATES REVISION LEVEL.
 6. VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-88511, UNLESS NOTED OTHERWISE.
 7. INSTRUMENT REFERENCES:
 (A) FROM EMERGENCY FEEDWATER PUMPS, CLOSE SIGNAL TO SB-V9 THRU SB-V12.
 (B) FROM RM-RM-6518 THRU 6513 INTERLOCK, DCR 28519 & RM-RM-6519.
 (C) TO TCV-1912 (SB-E-88B OUTLET) ON DWG 28212.
 (D) TO TCV-1913 (SB-E-88A OUTLET) ON DWG 28212.
 (E) TO TCV-1922 (SB-E-98 OUTLET) ON DWG 28212.
 (F) HI HI PR & HI HI LEVEL IN TK-40 TO SHUT SB-V1, V3, V5 & V7.
 (I) TO LCV-1909-1 ON DWG 28627.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
15	2/1/85	BCS	JM	RSH	INCORP. CR 84-12557 REV. 88
14	4/27/91	RWS	BCS	SPF	INCORP. DCR 98-8882 DCR 88
13	4/14/96	MPW	BCS	BAW	INCORP. MHOD 94-562 CA 8
12	7/18/94	MPW	BCL	JCM	INCORP. DCR 86-428 CA 8
11	8/25/93	MRB	BCL	JVB	INCORP. DCR 98-39 CA7
10	11/5/92	MRB	BCL	JCM	INCORP. DCR 98-44 CA8
9	7/22/92	MRB	BCL	RSG	INCORP. DCR 98-39 CA7
8	4/23/92	DWS	BCL	RSG	INCORP. MHOD 988616 CA3
7	4/16/92	MRB	BCL	GRM	INCORP. DCR 98-39 CA8, 82, 83 & MHOD 91-515 CA8
6	1/15/91	MRB	JM	RSH	INCORP. MHOD 98-545 CA 8
5	5/18/90	MRB	JM	GRM	INCORP. MHOD 98-545 CA8, MHOD 98-548 CA8 AND DCR 86-271 CA8
4	9/27/88	GPM	APL	RRC	INCORP. EDA 19/22978 ADDED INSTR. REFERENCE AS NOTE 7 DELETED REF. DRAWINGS
3	12/15/87	PAL	BCL	PAS	INCORPORATED DCR 87-258, ADDED VALVES V13 & V29 PER ERECTION ISO COORDINATES, NOTE 5, & REF. DWG. NOTE. REFERENCE SYSTEMS SHOWN IN PHANTOM, REDOUTED WALL TO SHOW V658 ON ROOF, REVISED NOTE 3 AND P & ID DRAWING CONT.
2	9/28/86	HAP	BCL	RRC	REVISED REF. DWG. REV. REVISED BLDG BOUNDARY IDENT. REVISED TO CLARIFY DESIGNATIONS TO STRAINERS & PUMPS PER ERECTION ISO'S, DELETED SPEC BREAKS, ADDED MANHOLE PER F.P.
1	6/24/86	DWS	VNK	RRC	CHANGE ITEMS Δ & Δ RESOLVED PER EDA 99/114785A, UPDATED PER UAE& PAID. 988624-R12
8	5/15/86	DWS	TAK	WFD	99/114785A 99/114818 INCORP. NCR'S 82/1382A, 82/1215B

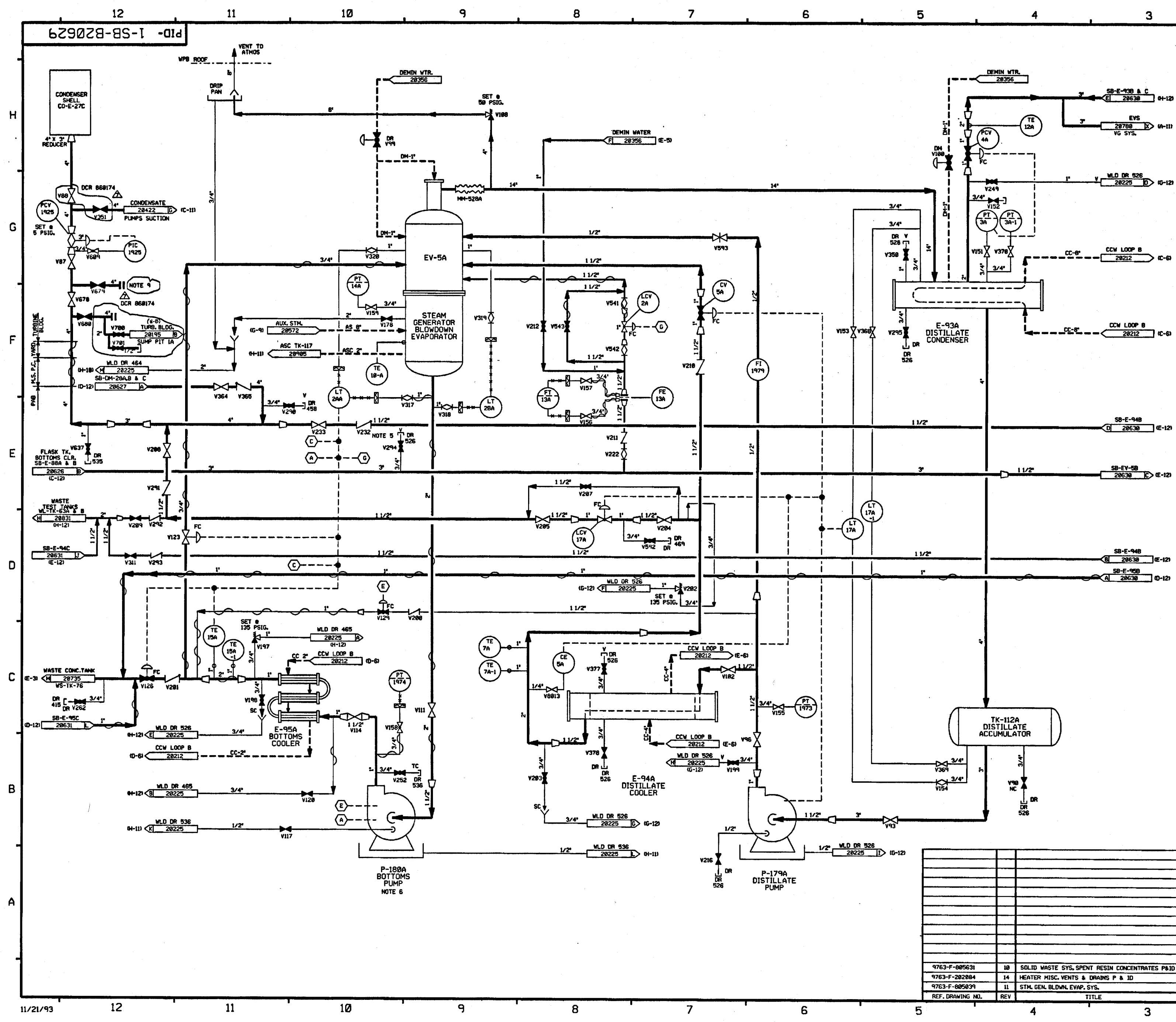
FPL ENERGY

Seabrook Station

STEAM GENERATOR BLOWDOWN
(BLOWDOWN FLASH)
DETAIL

PID- 1-SB-B20626

REF. DRAWING NO.	REV	TITLE
9763-F-282084	14	HTR, MISC. VENTS & DRNS. P & ID
9763-M-586734	8	BLDN RAD MON. RM-RM-6519 CONTROL LOOP DIA
9763-M-586733	6	SB FLASH TK BOTOMS, CLC CONTROL LOOP DIA
9763-F-885824	12	STM. GEN. BLDN. SYS. PID, SHIT-1



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

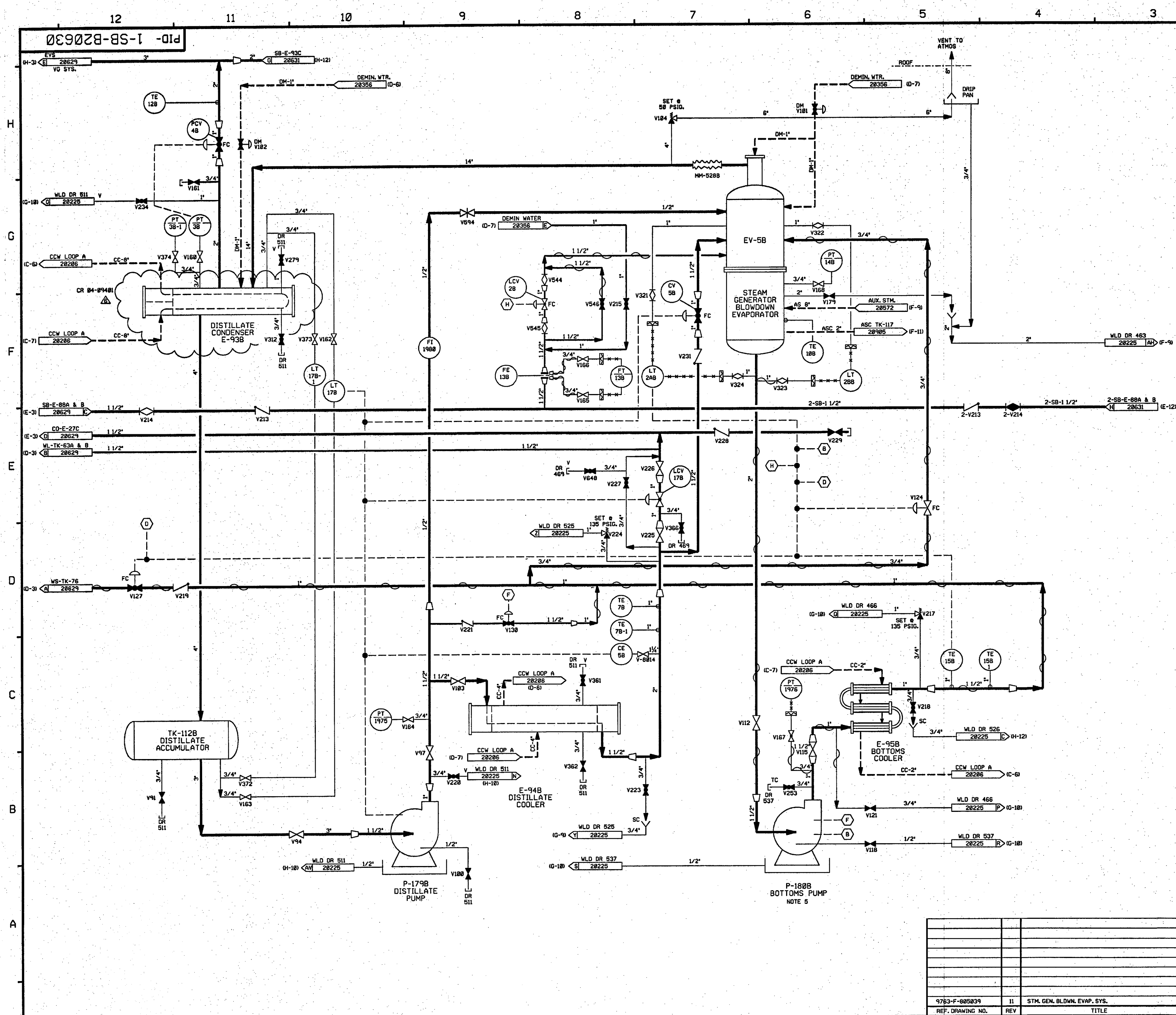
- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20625 THRU 20628, 20630 & 20631.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX SB, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS MNS, UNLESS NOTED OTHERWISE.
 4. FLUSH AND CHEMICAL ADDITION CONNECTION.
 5. NITROGEN PURGE CONNECTION FOR DRY LAY-UP.
 6. SEE DRAWING 20353 FOR WATER SUPPLY TO PUMP DOUBLE MECHANICAL SEALS.
 7. Δ INDICATES REVISION LEVEL.
 8. INSTRUMENTATION REFERENCES:
 - (A) LOW LOW EV-5A INTERLOCK WITH P-108A.
 - (B) HIGH E-95A OUTLET TEMP., HIGH WS-TK-76 LEVEL AND LOW DISCHARGE EV-5A INTERLOCK.
 - (C) DISTILLATE FLUSH V123, P-108A.
 - (D) EV-5A HI HI LVL. LCV-2A INTERLOCK.
 - (E) CONNECTION FOR TEMPORARY CST FILL LINE.

7	11/25/86	BCL		PLD	MLD	RSB	INCORP DCR 868174 CAPS
6	4/28/92	DWS		BCL	MRB	RSB	INCORP. MMD 98-616 CAP
5	12/18/91	MRB	FCB	JM	GPM	GRM	INCORP. MMD 98-616 CAP AND DCR 86-634 CAPS ADDED NOTE 8
4	3/24/90	MRB	FCB	DSB	APL	DJM	INCORP. MMD 98-549 CAP
3	9/16/87	MRJ	HEV	BCL	MPW	RRC	RESOLVED CHANGE ITEM 10 ADDED LINE SIZES, NOTE 7, CORRECTED DRAFTING ERROR, REVISED INSTR CONN PER EXISTING FIELD CONFIGURATION & NOTE 3 INCORP. DCR 86-587, ECA 83/118761C DELETED DUPLICATION OF ASSOCIATED SYSTEMS.
2	10/28/86	MPW	DWS	VRD	BCL	RRC	ADDED VALVE V2013 PER P-179A, REF. CONT. LOCATIONS CHANGE ITEM 11, BELIEVED RELIEF VALVE V188 AND V202 PER ERECTION ISO'S.
1	5/24/86	DBF	MRB	YMK	JMCS	RRC	INCORP. FTR 73/87424, ADDED DR 465, DR & V DESIGNATIONS.
0	5/15/86	DBF	MRB	TAK	ASK	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

North Atlantic Energy Service Corporation

STEAM GENERATOR BLOWDOWN BLOWDOWN EVAPORATOR DETAIL

SEABROOK STATION PID- 1-SB-B20629



FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20625 THRU 20629 & 20631.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX SB, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
 4. DELETED.
 5. SEE DRAWING 20353 FOR WATER SUPPLY TO PUMP DOUBLE MECHANICAL SEALS.
 6. DELETED.
 7. Δ INDICATES REVISION LEVEL
 8. INSTRUMENTATION REFERENCES
 9. \textcircled{B} LOW LOW EV-5B INTERLOCK WITH P-180B (SB-20630) & SB-LCV-18 (AS-20572).
 10. \textcircled{D} HIGH E-95B OUTLET TEMP., HIGH WS-TK-76 LEVEL AND LOW DISCHARGE EV-5B INTERLOCK.
 11. \textcircled{F} DISTILLATE FLUSH V138, P-180B.
 12. \textcircled{H} EV-5B HI HI LVL. LCV-28 INTERLOCK.

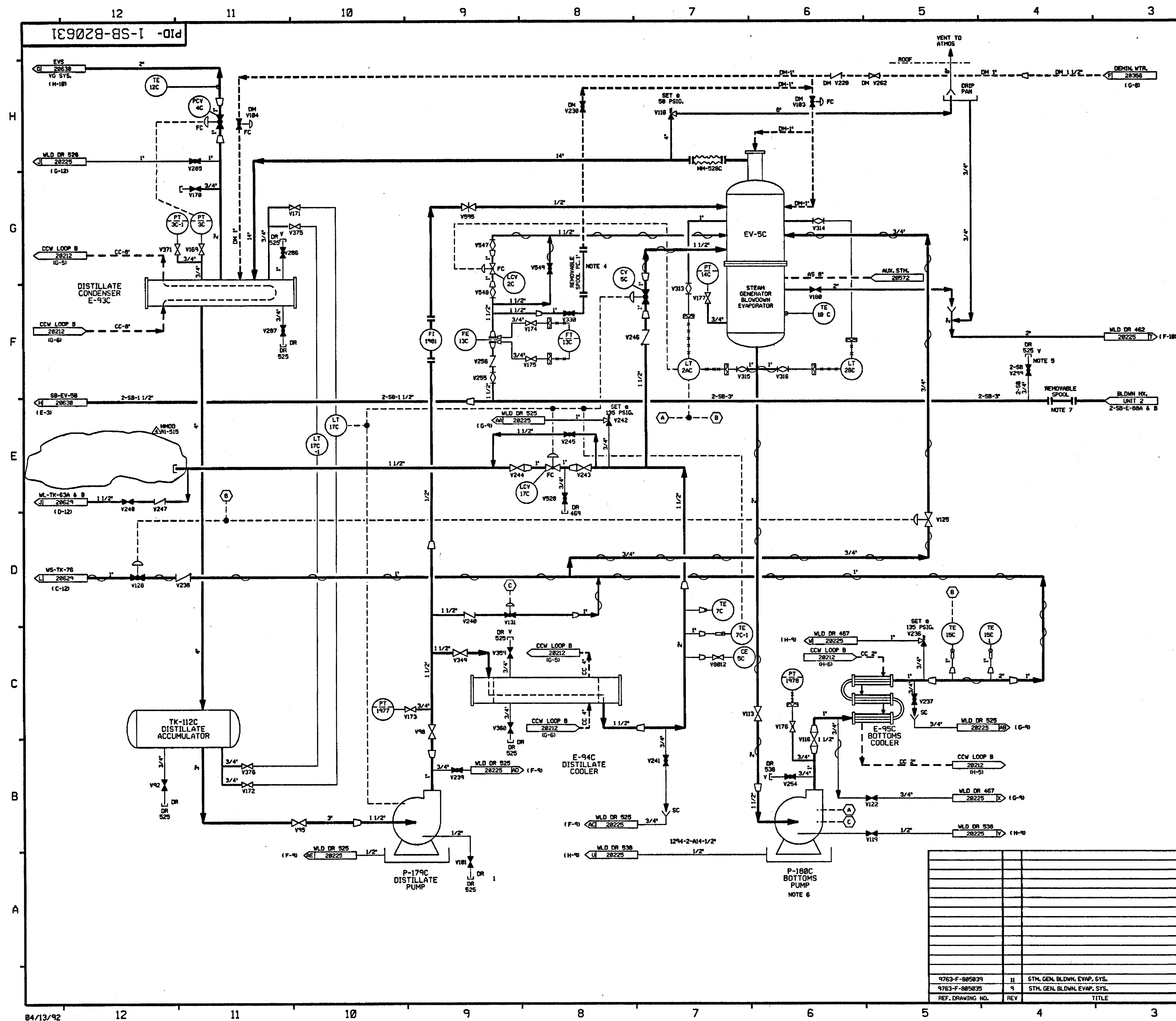
6	2-25-85	BCS	JM	PER	INCCORP. CR 84-09481 REV. 8
5	1/28/92	MRB	DWS	RRB	INCCORP. MMD 91-515 CMB1
4	12/18/91	MRB	JM	GRM	INCCORP. DCR 86-634 CA 8/ ADDED NOTE 8
3	9/16/87	JDM	BCL	RRC	INCCORP. DCR 86-567, DELETED NOTE 486, AND DUPLICATE SYSTEM ADDED V-8014 PER FP 53889, CORRECTED DRAFTING ERRORS, REVISED NOTE 3.
2	10/16/86	MRJ	BCL	RRC	REVISED TO CLARIFY DUPLICATION OF ASSOCIATED SYSTEMS, ADDED CONT FLAG COORDS, REVISED PIPING PER ERECTION ISOCS, ADDED NOTE 7.
1	6/27/86	DWS	BCL	RRC	INCCORP. ECA 19/1161298 AND UPDATE PER LATEST USAC P&ID
0	5/15/86	DPO	TAK	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

Seabrook Station

**STEAM GENERATOR BLOWDOWN
EVAPORATION
DETAIL**

PID- 1-SB-B20630



FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID-LEGEND 1 AND PAID-LEGEND 2.

NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 28625 THRU 28638.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX SB, UNLESS NOTED OTHERWISE.
3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NMS, UNLESS NOTED OTHERWISE.
4. FLUSH AND CHEMICAL ADDITION CONNECTION.
5. NITROGEN PURGE CONNECTION FOR DRY LAY-UP.
6. SEE DRAWING 28633 FOR WATER SUPPLY TO PUMP DOUBLE MECHANICAL SEALS.
7. REMOVABLE SPOOL TO BE REMOVED & REPLACED WITH BLIND FLANGE DURING UNIT 2 CONSTRUCTION.
8. Δ INDICATES REVISION LEVEL.

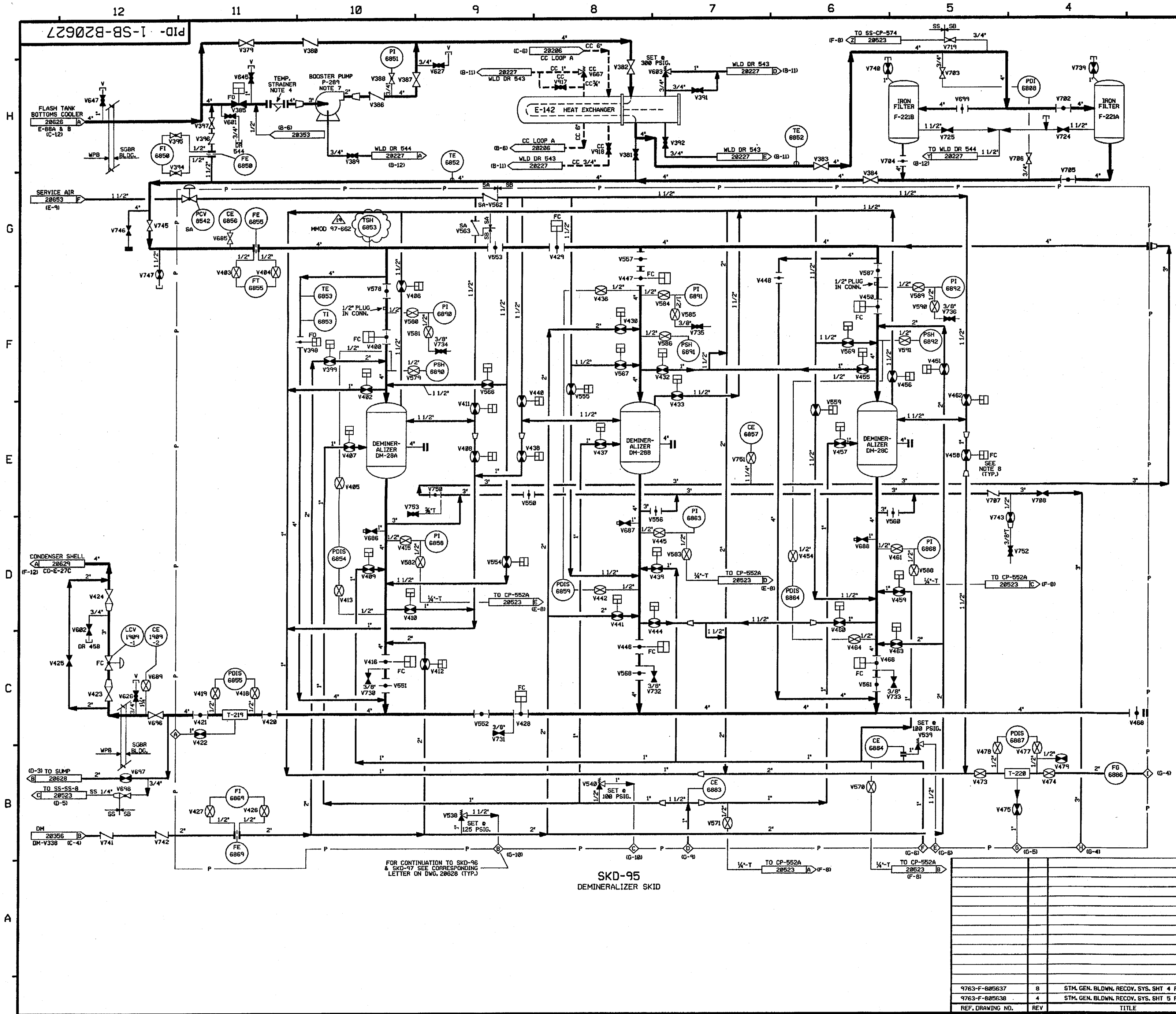
INSTRUMENTATION REFERENCES

- (A) LOW LOW EV-5C INTERLOCK WITH P-180C.
- (B) HIGH E-95C OUTLET TEMP., HIGH VS-TK-76 LEVEL AND LOW LEVEL EV-5C INTERLOCK.
- (C) DISTILLATE FLUSH VS13, P-180C INTERLOCK.

REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
4	4/2/92	MRB		DWS	BCL	RJS	INCOMP. MMD 91-515 CAB1
3	9/18/87	JDM	RMC	MRJ	BCL	RRC	INCOMP. DCR 86-587, REVISED TO CLARIFY DUPLICATION OF ASSOCIATED SYSTEMS. REVISED NOTE 3.
2	10/4/86	MRJ	DWS	MPW	VNK	RRC	REVISED CONTROL BLOCK, PER USAC PAID & CONFIRMATION FLAG REFERENCES. ADDED NOTE 8.
1	6/23/86	DBF	MRB	VNK	JMCS	RRC	ADDED "DR" & "V" DESIGNATIONS, HEAT TRACING & VALVE SIZE PER USAC. PAID REVIEW.
0	5/15/86	DBF	MRB	TAK	ASK	WFD	ISSUED FOR OPERATION

PSNH		PUBLIC SERVICE OF NEW HAMPSHIRE	
SEABROOK STATION		STEAM GENERATOR BLOWDOWN BLOWDOWN EVAPORATION DETAIL	
PID-		1-SB-B20631	

9763-F-885839	II	STM, GEN. BLDWN, EVAP, SYS.
9763-F-885835	9	STM, GEN. BLDWN, EVAP, SYS.
REF. DRAWING NO.	REV	TITLE

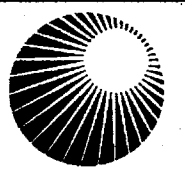


FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID-LEGEND 1 & P&ID-LEGEND 2.

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20625, 20626, & 20628 THRU 20631.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX SB, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS UNLESS NOTED OTHERWISE.
 4. STRAINER TO BE REMOVED DURING NORMAL PLANT OPERATION.
 5. Δ - INDICATES REVISION LEVEL.
 6. DELETED.
 7. SEE DRAWING DM-20353 FOR WATER SUPPLY TO PUMP DOUBLE MECHANICAL SEALS. ALSO FOR PUMP 2-P-289 (NOT SHOWN).
 8. ALL AIR OPERATED BALL VALVES IN SKD-95 DENOTE (FC) FAIL CLOSED.

19	5/21/01	BCS	—	MRB	—	DCP	INCORP MMOD 97-662 DCN-00
18	8/8/00	BCS	—	MPW	DWS	DEA	INCORP MSE 00-0095, REV. 0
17	6/3/00	DWS	—	BCS	MRB	JCM	INCORP DCR 980043 DCN-00, #2 & #3
16	5/4/00	BCS	—	MPW	DWS	RSG	PARTIAL INCORP MSE 00-0095, REV. 0
15	5-16-96	BCS	—	MPW	DWS	DJM	INCORP MMOD 960547 CA#0
14	12-1-94	MPW	—	BCL	DWS	MRB	INCORP MMOD 930545 CA#0
13	6/3/94	BCL	—	DWS	MPW	JLD	INCORP DCR 930023 CA#0
12	1/21/94	DWS	—	MRB	BCL	RSG	INCORP DCR 680174 CA#0 & 2
11	2-8-93	BCL	—	MRB	BCL	RSG	INCORP DCR 920011 CA#0
10	8-25-92	DWS	—	BCL	MRB	RSG	INCORP DCR 910002 CA#3
9	8/3/92	DWS	—	BCL	MRB	GRM	FINAL INCORP DCR 910002 CA#1
8	7-16-92	MRB	—	BCL	DWS	RSG	INCORP DCR 88-538 CA#0, #1 AND 2
7	4-30-92	DWS	—	BCL	MRB	RSG	INCORP MMOD 90-616 CA#0
6	4-15-92	MRB	—	BCL	MPW	RSG	INCORP MMOD 880548 CA#4
5	3/23/92	MRB	—	BCL	MPW	RSG	INCORP MMOD 91-501 CA#0
ADMINISTRATIVE UPDATE TO PROVIDE VALVE FAILURE MODES AS DESCRIBED IN APPENDIX D OF 91-501							
INCORPORATED DCR 97-239 CA#0							
REVISED NOTE 3, LINE SIZE PER PP 55165							
P&ID CONFIGURATION PER DE & C P&ID 880528, PNEUMATIC VALVE SET POINT PER PP 55671 & DRAFTING ENHANCEMENTS							
NOTED TEMP MOD 88-057, ADDED NOTE 7 DELETED NOTE 6							
ADDED CONT LOC COORDS, 1 1/2" LINE SIZE TO DEMON 1X-28A OUTLET, PAID REF DWG NOTE & REVISIONS-9100 REF. DELETED							
4X304 SHOWN REVERSED, CIRCLED PIPING AROUND RELIEF VLV V539 & CE-6884							
UPDATED DE & C REVS, ADDED NOTES 3 & 6, ADDED CHANGE ITEM 1							
ISSUED FOR OPERATION INCORP. ECA'S 19/106267A 9/1/14/22A							
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

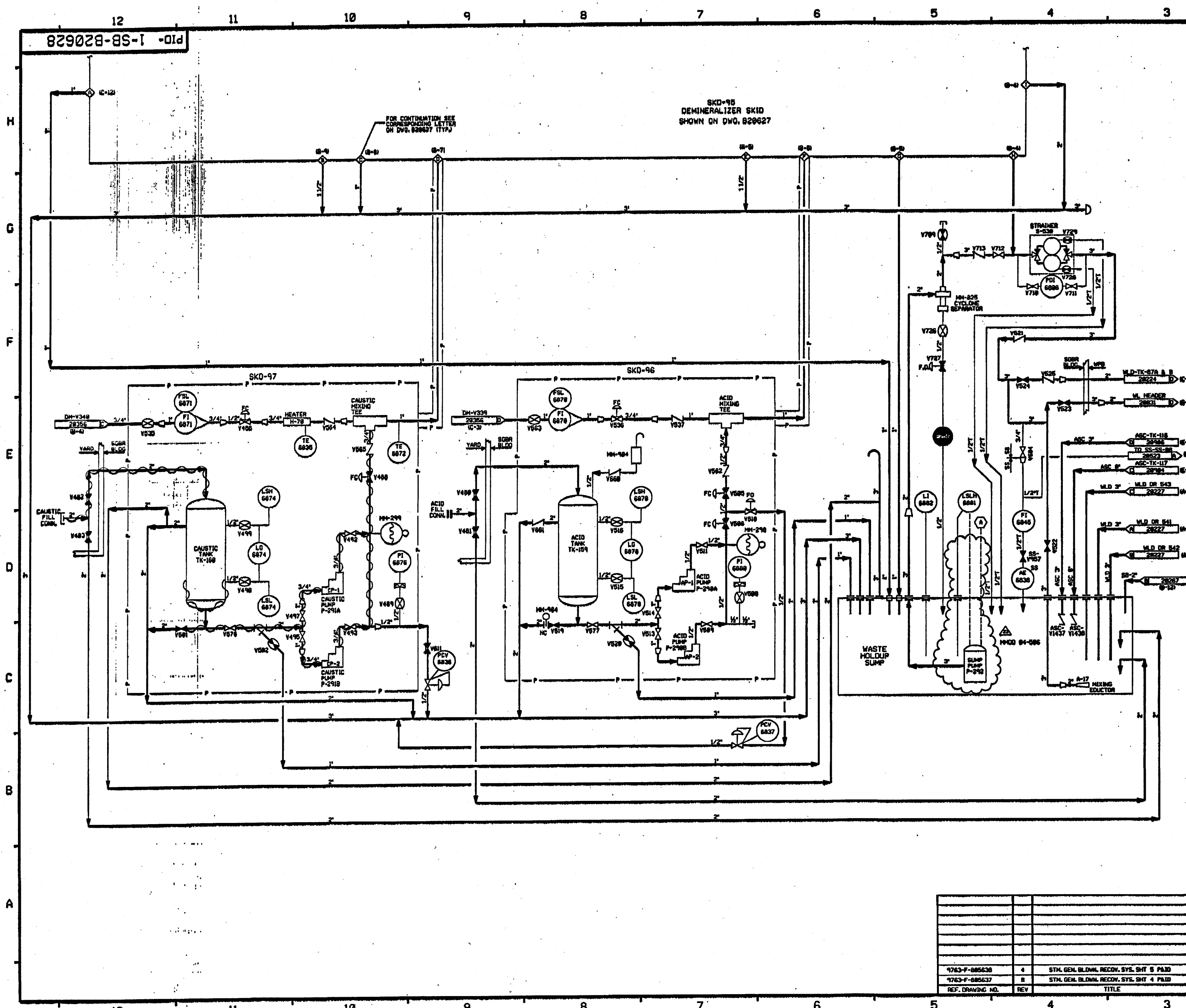
North Atlantic Energy Service Corporation



STEAM GENERATOR BLOWDOWN RECOVERY DETAIL

PID- 1-SB-B20627

9763-F-087637	8	STM. GEN. BLDWN. RECOV. SYS. SHT. 4 PAID
9763-F-087638	4	STM. GEN. BLDWN. RECOV. SYS. SHT. 5 PAID
REF. DRAWING NO.	REV	TITLE




FOR FPL REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS, REFER TO DRAWINGS PLO - LEGEND 1 AND PLO - LEGEND 2.

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20625 THRU 20627 AND 20629 THRU 20631.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX SB, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS 1MS, UNLESS NOTED OTHERWISE.
 4. Δ INDICATES REVISION LEVEL.
 5. \diamond INDICATES CHANGE ITEM.
 6. INSTRUMENT REFERENCES.
 7. DELETED.

22	8/9/04	BCL	JM	INCORP H400 04-088 DCH-08
21	8/18/04	BCL	JM	INCORP HSE 04-021 REV. 08
20	8/27/04	BCL	JM	INCORP CR 04-02458 REV. 0
19	8/28/04	BCL	HPV	INCORP HSE 03-185 REV. 08
18	12/15/02	BCL	JM	PARTIAL INCORP HSE 02-196 REV. 08
17	10/15/02	BCL	JM	INCORP CR 01-1164 REV. 0
16	8/2/01	BCL	HMB	INCORP H400 07-042 DCH-04.01
15	6/2/00	DNL	BCL	INCORP H400 07-042 DCH-08
14	7/23/97	DVS	HPV	INCORP H400 05-034 DCH 1
13	3/6/97	HPV	BCL	INCORP H400 05-034 DCH 8
12	4/18/96	BCL	DVS	INCORP DCH 04-0823 CAP#
11	1/4/96	BCL	HPV	INCORP H400 04-043 CAP#
10	11/24/94	BCL	HPV	INCORP H400 03-038 CAP#
9	3/16/94	BCL	DVS	INCORP DCH 06074 CAP#
8	1/21/94	DVS	BCL	INCORP DCH 02-011 CAP# & 2
7	2-0-93	BCL	HMB	INCORP DCH 02-011 CAP
6	7/28/92	HMB	DVS	INCORP DCH 02-038 CAP
5	7/16/92	HMB	BCL	INCORP DCH 01-042 CAP
4	4/23/92	HMB	HPV	INCORP H400 01-055 CAP ADMINISTRATIVE UPDATE TO PROVIDE VALVE FAILURE MODES AS DESCRIBED IN APPROVED DCH 01-082
3	3/28/89	HMB	FAL	INCORPORATED DCH 05-185 CA 3 ADDED CONTINUATION COORDINATES REVISED NOTE 3 DELETED HEAT TRACE PER LEAC PAID 080637 AND FIELD CONDITION
2	10/18/88	HMB	BCL	REVISED VALVES, LINE SIZE AND ADDED REDUCER PER LEAC PAID 080638 CONT FLAG REF AND DCH COORDS ADDED ADDED NOTE 4, CHANGING ITEM 1 AND PLO LEGEND NOTE.
1	6/23/88	DVS	WIK	INCORP ECA 99/187473D
0	5/15/86	DVS	TAK	ISSUED FOR OPERATIONS & INCORP PLO 04-02458
REV	DATE	DSGN	CHKD	CE

FPL ENERGY Seabrook Station

**STEAM GENERATOR BLOWDOWN RECOVERY DETAIL**

PID-1-SB-B20628

CATEGORY 1

REF. DRAWING NO.	REV	TITLE
9763-F-085630	4	STM. GEN. BLOWDN. RECOV. SYS. SHT 5 PLO
9763-F-085637	8	STM. GEN. BLOWDN. RECOV. SYS. SHT 4 PLO

PID-1-SCC-B20072

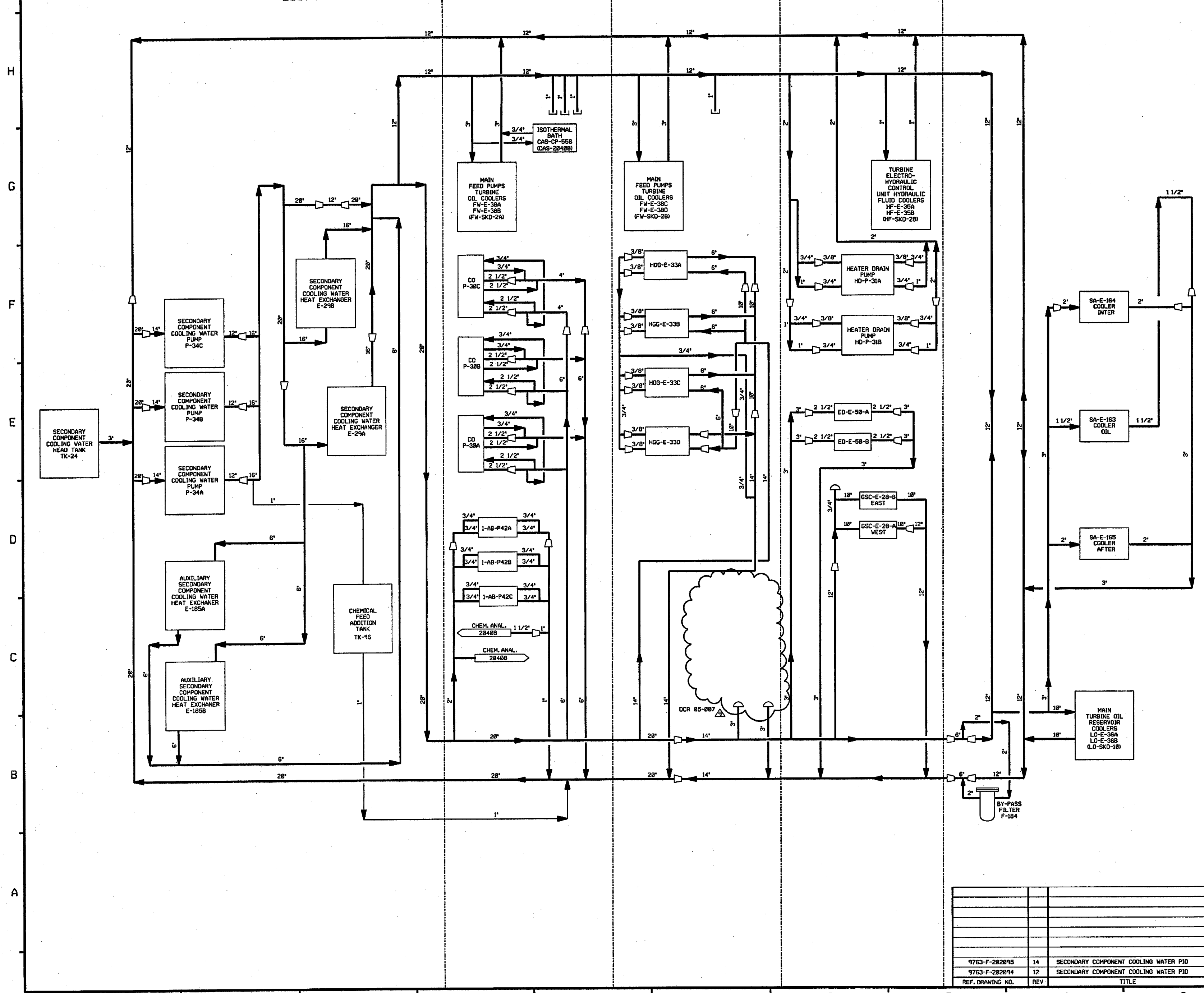
20074

20075

20076

20077

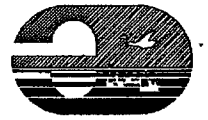
20078



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20074, 20075, 20076, 20077 AND 20078
 2. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX SCC, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS ARE SAFETY CLASS "NNS" UNLESS NOTED OTHERWISE.
 4. Δ INDICATES REVISION LEVEL.

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
9	10/10/04	BCS	JM	WVS	INCCP DCR 05-007 DCN-00
8	6/25/03	BCS	JM	WVS	INCCP DCR 00-014 DCN-00 & CR 03-0541 REV. 0
7	6/2/00	DRL	MPW	WVS	INCCP M000-97-521 DCN 00
6	3/24/94	MRB	DWS	RJF	INCCP DCR 93-18 CAG
5	11/14/92	MRB	DWS	RSG	INCCP DCR 90-28 CAG
4	1/29/90	MRB	WCL	RSG	INCCP DCR 86-028 CAG & DCR 86-8 REVISED: DCR CONFIGURATION TO AGREE WITH DETAIL 20074, NOTE 3 PER ANSI B31.1 1977 SEC 137.1.2E ADDED: P&ID LEGEND NOTE
3	2/2/87	WDS	BCL	WVS	REVISED REF. DCR. REVISION ADDED NOTE 4, REVISED PER LATEST SYSTEM DCR'S.
2	6/13/86	JDM	JMS	RRC	DELETE OM SUPPLY FROM OVERVIEW INCORPORATED ECA 99/11119208
1	10/18/85	WES	WFD	EWD	ISSUED FOR OPERATION INCORPORATED ECA 85/105470A FIELD VERIFIED MINOR REVISION
0	04/02/84	PJC	JWK	WFD	AS BUILT

FPL ENERGY Seabrook Station



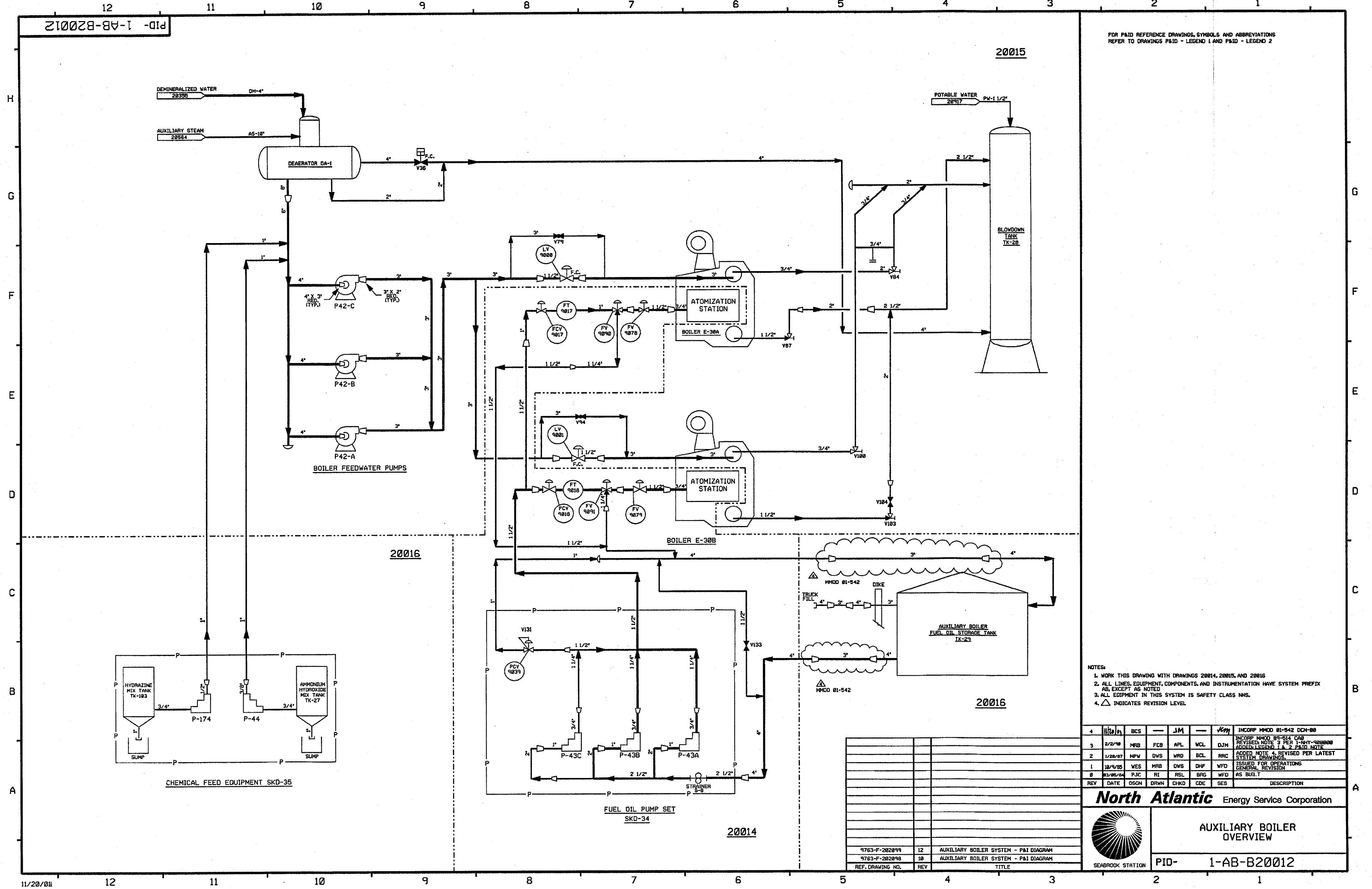
SECONDARY COMPONENT COOLING WATER OVERVIEW

PID- 1-SCC-B20072

REF. DRAWING NO.	REV	TITLE
9763-F-202095	14	SECONDARY COMPONENT COOLING WATER PID
9763-F-202094	12	SECONDARY COMPONENT COOLING WATER PID

PID-1-AB-B20012

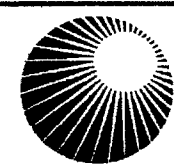
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20014, 20015, AND 20016
 2. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTATION HAVE SYSTEM PREFIX AB, EXCEPT AS NOTED
 3. ALL EDDIMENT IN THIS SYSTEM IS SAFETY CLASS NNS.
 4. Δ INDICATES REVISION LEVEL

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
4	11/20/01	BCS	JM				INCORP MMD 01-542 DCN-88
3	2/2/98	MRB	FCB	APL	WCL	DJM	INCORP MMD 89-514 CAB
2	1/28/87	MPW	DVS	WRD	SCL	RRC	REVISED NOTE 3 PER L-NHY-980000
1	10/9/85	VES	MRB	DVS	DHF	WFD	ADDED NOTE 4 REVISED PER LATEST
0	03/05/84	PJC	RI	RSL	BRG	WFD	ISSUED FOR OPERATIONS
							GENERAL REVISION
							AS BUILT

North Atlantic Energy Service Corporation



AUXILIARY BOILER
OVERVIEW

PID- 1-AB-B20012

REF. DRAWING NO.	REV	TITLE
9763-F-202099	12	AUXILIARY BOILER SYSTEM - P&I DIAGRAM
9763-F-202098	10	AUXILIARY BOILER SYSTEM - P&I DIAGRAM

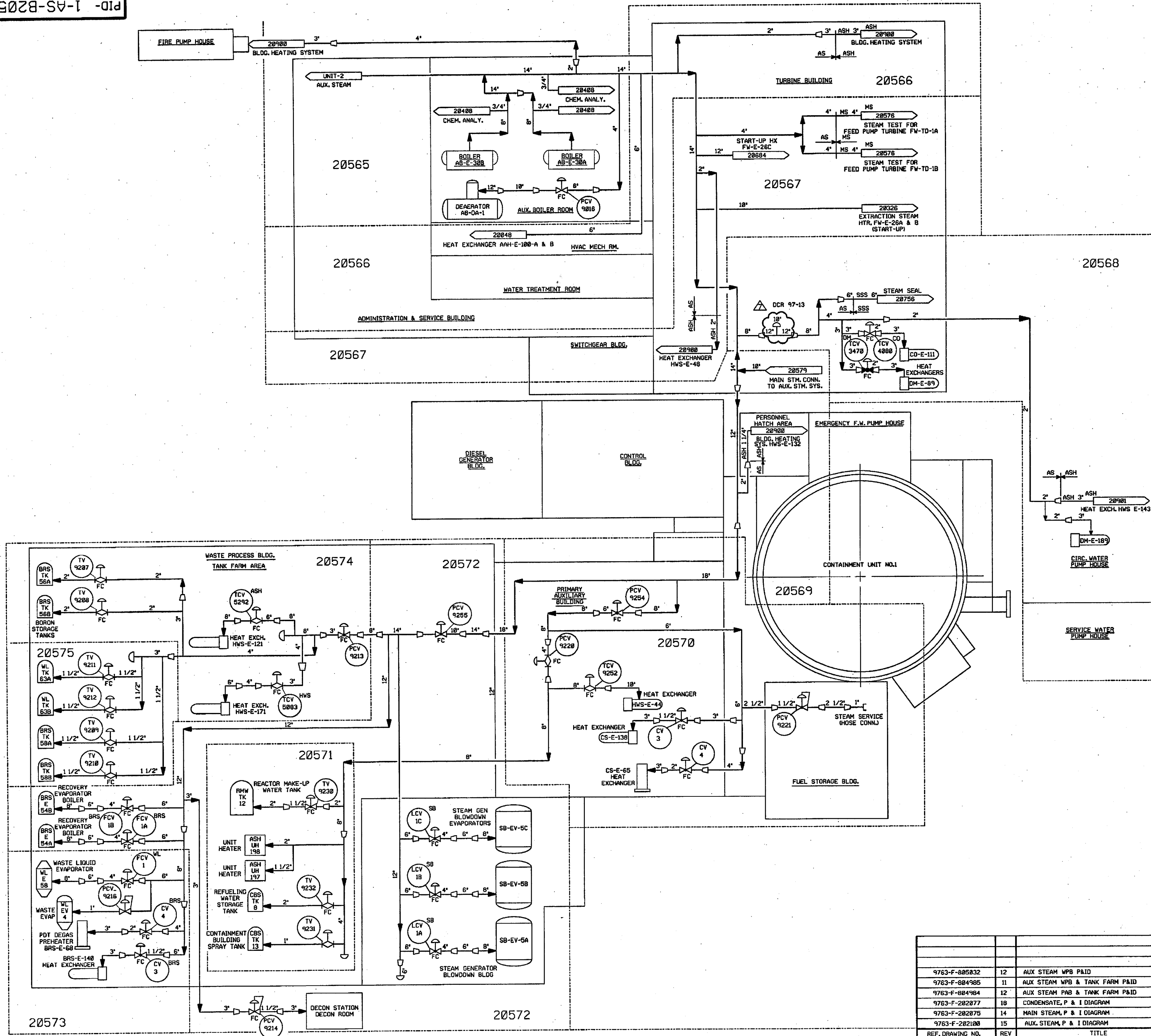
PID-1-AS-B20564

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

H
G
F
E
D
C
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A

H
G
F
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D
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A

03/29/05



NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "AS", UNLESS NOTED OTHERWISE.
2. WORK THIS DRAWING WITH DRAWINGS 20565 THRU 20575 & DRAWING 20576.
3. Δ INDICATES REVISION LEVEL.

7	4/1/05	BCS	JM	M/W	INCORP DCR 97-13 DCN 08
6	9/14/99	MPW	DWS	DJM	INCORP DCR 97-12 DCN 08
5	5/6/99	BCS	DWS	DJM	INCORP DCR 95-38 DCN-22
4	6/18/97	MPW	DWS	GRM	INCORP DCR 95-39 CA 0
3	9/4/91	MRB	JM	DJM	INCORP DCR 90-23 CA11 ADDED P&ID LEGEND NOTE REV DNG CONTINUATION TAG & DESCRIPT.
2	3/8/87	MPW	MRJ	RRC	ADDED NOTE 3 AND REVISED PER LATEST SYSTEM DRAWINGS.
1	4/18/86	WC	JDM	WFD	ISSUED FOR OPERATIONS
0	10/22/84	CO	RSL	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

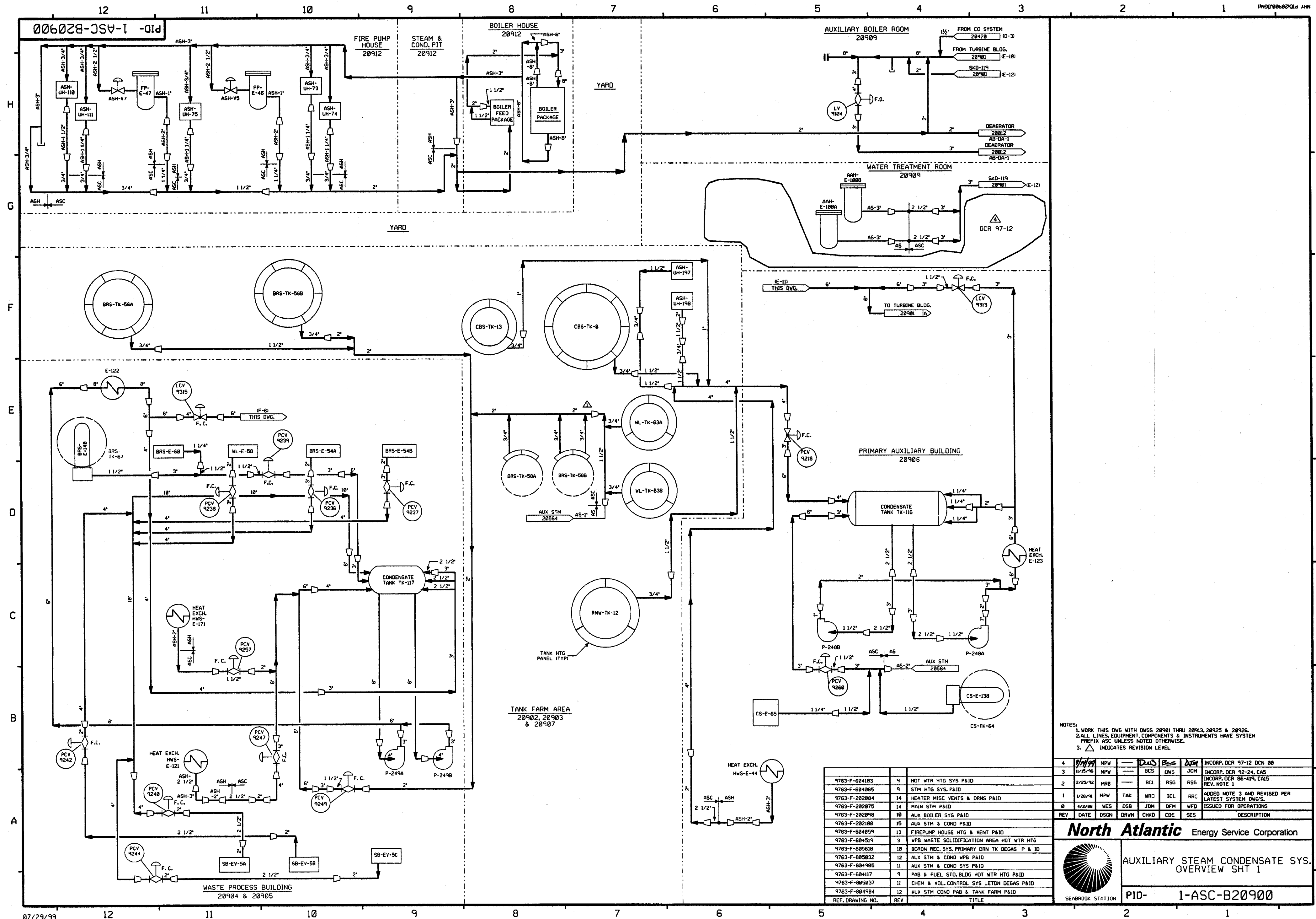
FPL ENERGY Seabrook Station



AUXILIARY STEAM
OVERVIEW

PID- 1-AS-B20564

REF. DRAWING NO.	REV	TITLE
9763-F-885832	12	AUX STEAM WPB P&ID
9763-F-884985	11	AUX STEAM WPB & TANK FARM P&ID
9763-F-884984	12	AUX STEAM PAB & TANK FARM P&ID
9763-F-202877	18	CONDENSATE, P & I DIAGRAM
9763-F-202875	14	MAIN STEAM, P & I DIAGRAM
9763-F-202100	15	AUX. STEAM, P & I DIAGRAM



NOTES:
1. WORK THIS DWG WITH DWGS 20901 THRU 20913, 20925 & 20926.
2. ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX ASC UNLESS NOTED OTHERWISE.
3. Δ INDICATES REVISION LEVEL

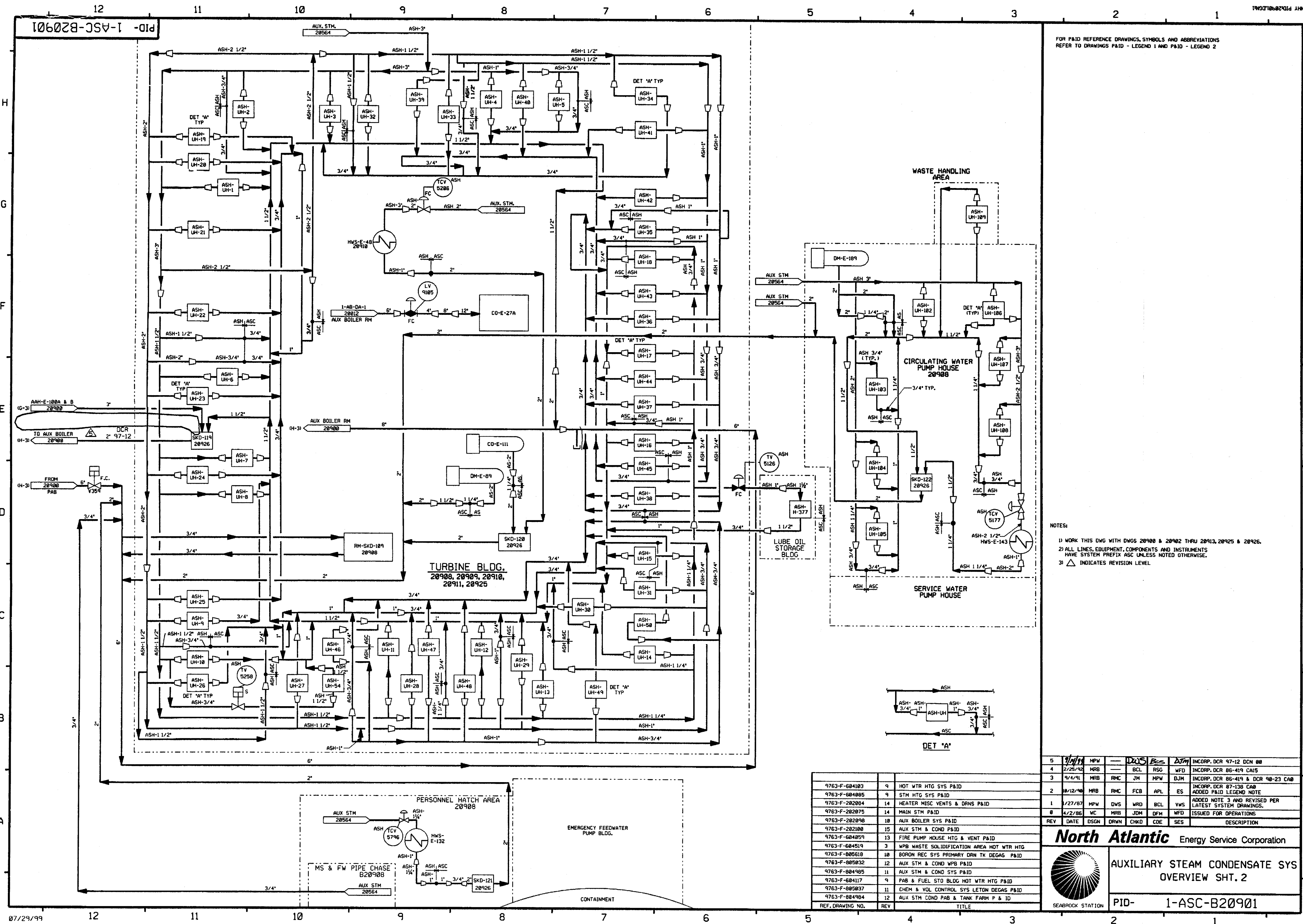
REV	DATE	DSGN	DRWN	CHKD	CODE	SES	DESCRIPTION
4	11/15/96	MPW	—	BCS	DWS	JCM	INCORP. DCR 92-24, CA5
3	11/15/96	MPW	—	BCL	RSL	RSG	INCORP. DCR 86-419, CA15
2	2/25/92	MRB	—	WRD	BCL	RRR	ADDED NOTE 3 AND REVISED PER LATEST SYSTEM DWG'S.
1	1/28/91	MPW	TAK	WRD	BCL	RRR	ISSUED FOR OPERATIONS
0	4/2/86	WES	DSB	JDM	DFM	WFD	

REF. DRAWING NO.	REV	TITLE
9763-F-604183	9	HOT WTR HTG SYS P&ID
9763-F-604085	9	STM HTG SYS P&ID
9763-F-202084	14	HEATER MISC VENTS & DRNS P&ID
9763-F-202075	14	MAIN STM P&ID
9763-F-202098	10	AUX BOILER SYS P&ID
9763-F-202100	15	AUX STM & COND P&ID
9763-F-604059	13	FIREPUMP HOUSE HTG & VENT P&ID
9763-F-604519	3	WPB WASTE SOLIDIFICATION AREA HOT WTR HTG
9763-F-605618	10	BORDON REC. SYS. PRIMARY DRN TK DEGAS P & ID
9763-F-605032	12	AUX STM & COND WPB P&ID
9763-F-604985	11	AUX STM & COND SYS P&ID
9763-F-604117	9	PAB & FUEL STD. BLDG HOT WTR HTG P&ID
9763-F-605037	11	CHEM & VOL. CONTROL SYS LETDN DEGAS P&ID
9763-F-604984	12	AUX STM COND PAB & TANK FARM P&ID

North Atlantic Energy Service Corporation

AUXILIARY STEAM CONDENSATE SYS. OVERVIEW SHT 1

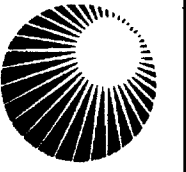
PID- 1-ASC-B20900



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

- NOTES:
- 1) WORK THIS DWG WITH DWGS 20908 & 20902 THRU 20913, 20925 & 20926.
 - 2) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX ASC UNLESS NOTED OTHERWISE.
 - 3) Δ INDICATES REVISION LEVEL.

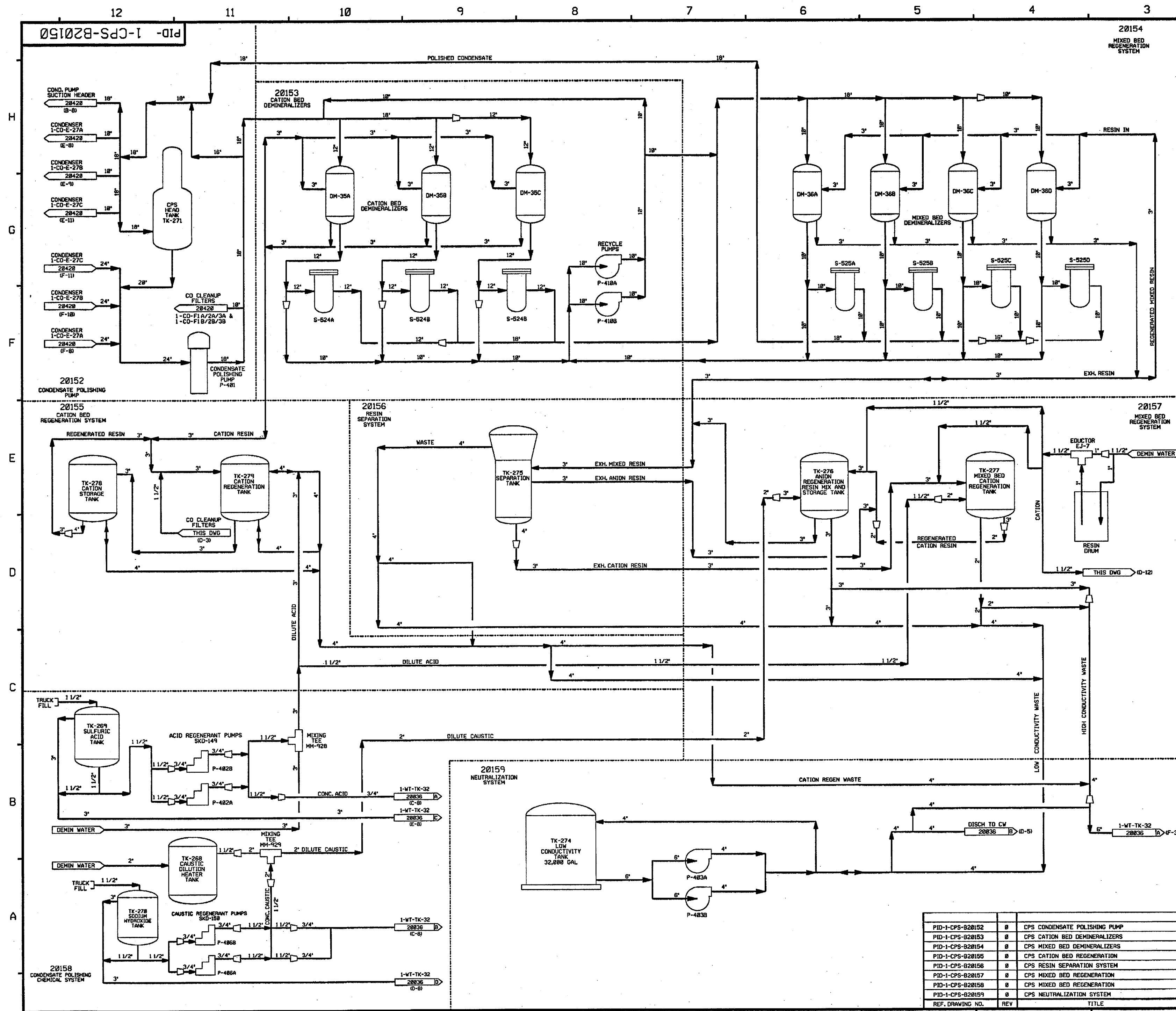
5	1/1/11	MPW	—	DOS	Res	DTM	INCCORP. DCR 97-12 DCN 00
4	2/25/92	MRB	—	BCL	RSG	WFD	INCCORP. DCR 86-419 CAIS
3	9/4/91	MRB	RMC	JM	MPW	DJM	INCCORP. DCR 86-419 & DCR 98-23 CA0
2	10/12/90	MRB	RMC	FCB	APL	ES	INCCORP. DCR 87-130 CA0 ADDED P&ID LEGEND NOTE
1	1/27/87	MPW	DVS	WRD	BCL	VWS	ADDED NOTE 3 AND REVISED PER LATEST SYSTEM DRAWINGS.
0	4/2/86	VC	MRB	JDM	DFM	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

**North Atlantic** Energy Service Corporation

**AUXILIARY STEAM CONDENSATE SYS
OVERVIEW SHT. 2**

PID-1-ASC-B20901

9763-F-604103	9	HOT WTR HTG SYS P&ID
9763-F-604085	9	STM HTG SYS P&ID
9763-F-202084	14	HEATER MISC VENTS & DRNS P&ID
9763-F-202075	14	MAIN STM P&ID
9763-F-202098	10	AUX BOILER SYS P&ID
9763-F-202100	15	AUX STM & COND P&ID
9763-F-604059	13	FIRE PUMP HOUSE HTG & VENT P&ID
9763-F-604519	3	WPB WASTE SOLIDIFICATION AREA HOT WTR HTG
9763-F-005610	10	BORON REC SYS PRIMARY DRN TK DEGAS P&ID
9763-F-005032	12	AUX STM & COND WPB P&ID
9763-F-004985	11	AUX STM & COND SYS P&ID
9763-F-604117	9	P&B & FUEL STO BLDG HOT WTR HTG P&ID
9763-F-005037	11	CHEM & VOL CONTROL SYS LETON DEGAS P&ID
9763-F-004984	12	AUX STM COND P&B & TANK FARM P & ID
REF. DRAWING NO.	REV	TITLE



FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2

- NOTES:
1. ALL LINES, VALVES, EQUIPMENT AND INSTRUMENTS HAVE A SYSTEM PREFIX OF "CPS" UNLESS NOTED OTHERWISE.
 2. ALL LINES, VALVES, EQUIPMENT AND INSTRUMENTS ARE SAFETY CLASS MMS, UNLESS NOTED OTHERWISE.
 3. WORK THIS DRAWING WITH DRAWINGS 20152 THRU 20159.
 4. Δ INDICATES REVISION LEVEL.

REV DATE DSGN CHKD CE INITIAL ISSUE PER OIR 97-013 DCN-00,235,236

FPL ENERGY

Seabrook Station



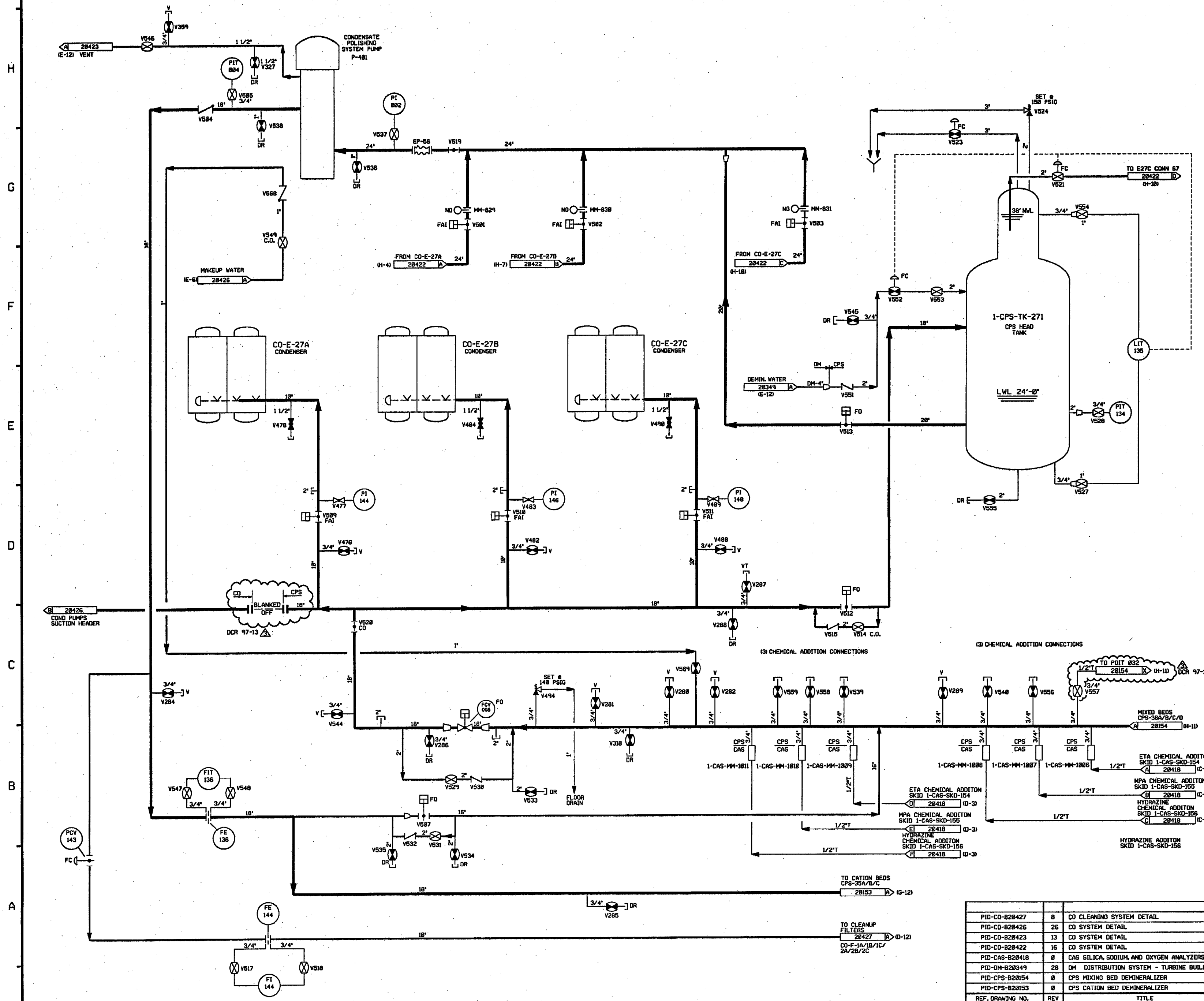
CONDENSATE POLISHING
SYSTEM OVERVIEW

PID- 1-CPS-B20150

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
1	04/21/05	BCS	GPS	AKP	INITIAL ISSUE PER OIR 97-013 DCN-00,235,236
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

PID-1-CPS-B20152

FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 28150, 28153 THRU 28159.
 2. ALL LINES, EQUIPMENT, COMPONENTS, VALVES AND INSTRUMENTS HAVE SYSTEM PREFIX "1-CPS-", UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS, VALVES AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
 4. Δ INDICATES REVISION LEVEL.
 5. ALL 3 DIGIT NUMERICAL INSTRUMENT TAG NAMES ARE PREFIXED WITH "28".
EXAMPLE: Δ FIT 814 A = 1-CPS-FIT-28814-A

3	10-13-06	JM	BS	PRB	INCORP. DCR 97-13 DCN 274, 294
2	12/21/05	BCS	JM	SAK	INCORP. DCR 97-13 DCN 272
1	4/27/05	BCS	JM	PAL	INCORP. DCR 97-13 DCN 08, 46, 52, 54, 55, 69, 74, 174, 196
0	10/14/83	MPW	BCS	SAK	PARTIAL INCORP. DCR 97-13 DCN 08, 46, 54 & 55, INCORP. DCR 97-813 DCN 29 & 51.
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY
Seabrook Station

**CONDENSATE POLISHING SYSTEM
CONDENSATE POLISHING PUMP**

PID- 1-CPS-B20152

PID-NO	REV	TITLE
PID-CO-820427	8	CO CLEANING SYSTEM DETAIL
PID-CO-820426	26	CO SYSTEM DETAIL
PID-CO-820423	13	CO SYSTEM DETAIL
PID-CO-820422	16	CO SYSTEM DETAIL
PID-CAS-820418	8	CAS SILICA, SODIUM, AND OXYGEN ANALYZERS
PID-DM-820349	28	DM DISTRIBUTION SYSTEM - TURBINE BUILDING
PID-CPS-820154	8	CPS MIXING BED DEMINERALIZER
PID-CPS-820153	8	CPS CATION BED DEMINERALIZER
REF. DRAWING NO.	REV	TITLE