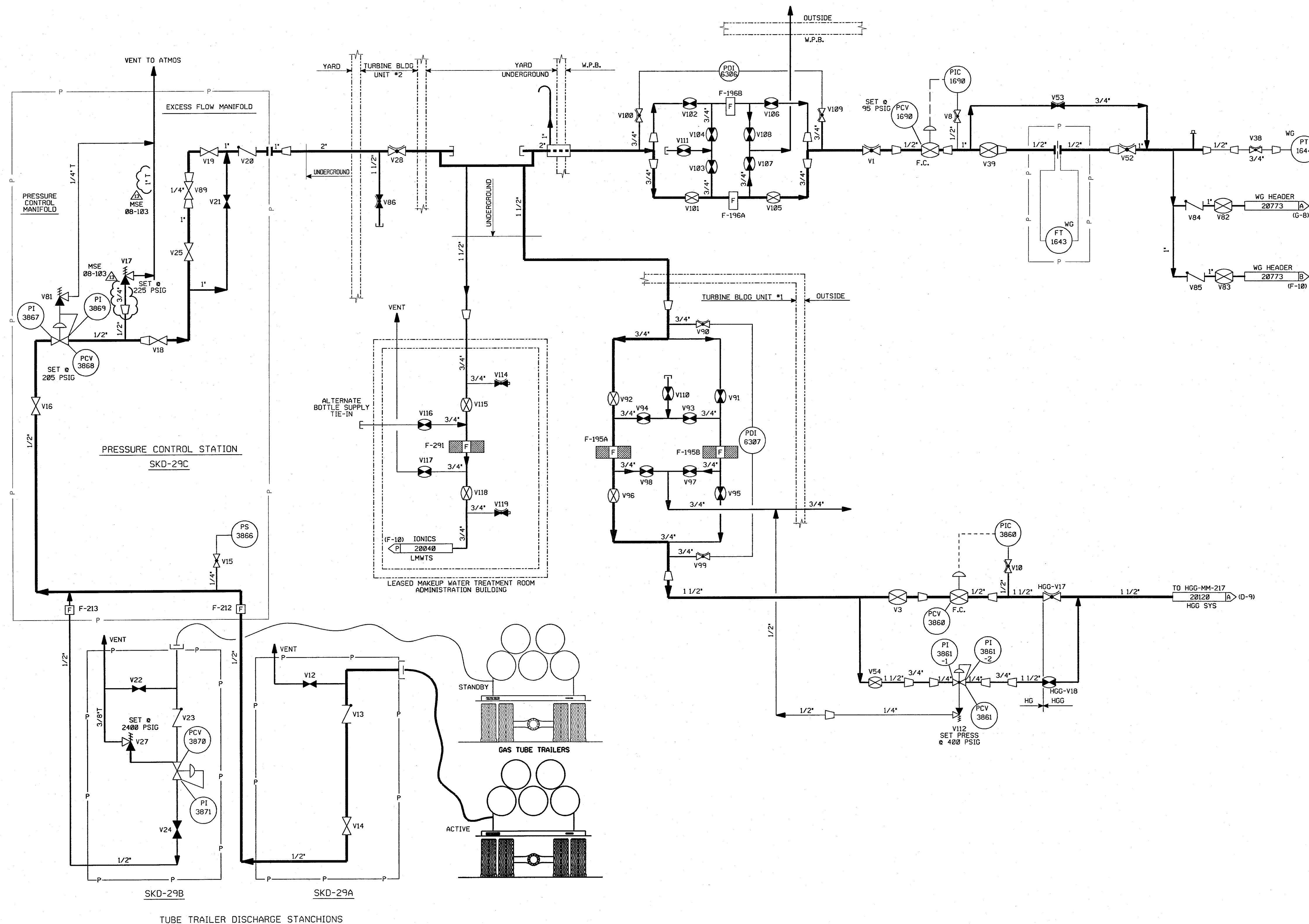


88802B-9H-PID-1-HC-B20888

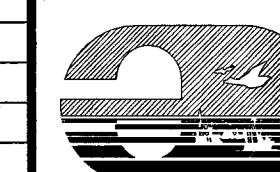
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2



- 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

13	4/27/08	JM	BCS	RRB	INCORP MSE 08-103 REV-00
12	4/17/08	JM	BCS	RRB	PARTIAL INCORP MSE 01-206 REV-00
11	4/27/99	RWS	BCS	VWS	INCORP MMD 98-0564 DCN 00
10	6/02/98	DRL	BCS	VWS	INCORP MMD 97-521 DCN 00
9	6/12/97	MPW	DWS	RRC	INCORP MMD 96-531 DCN 00
8	8/3/94	DWS	BCL	WFZ	INCORP DCR 930031 CA#0, 4 & 7
7	10/9/91	MRB	DSB	RWM	INCORP DCR 86-227 CA#0 AND DCR 89-67 CA#0
6	2/15/91	DWS	MRB	RSG	INCORP DCR 86-227 CA#0 EXCEPT CA#6
5	12/20/89	MRB	PAL	IW	INCORP DCR 87-268 CA#0, ADDED SYS PREFIX PER NOTE 2.
4	2/2/89	MRB	GPM	GM	REVISED: V69 THRU V80 SYMBOL PER ECA 08/113687C, V21 SYMBOL PER UE & C P & ID 9763-F-005938, NOTE 3.
3	12/11/86	MAP	MPW	RRC	ADDED CONT REF LOCATIONS, DELETED NOTE 5, CHANGE ITEM PER ASBUILT CONDITION
2	9/26/86	JDM	MPW	RRC	RESOLVED CHANGE ITEM NO 2 PER ECA 19/118426A.
1	6/19/86	WC	JDM	RRC	INC ECA 08/113687C, DR 34/418A, ADDED CHG. ITEM 2 & 3 RESOLVED CHG. ITEM 1 BY ECA 08/113687C
0	02/06/86	DEE	JDM	EWD	ISSUED FOR OPERATIONS & INCORP. ECA'S 19/107612A & 99/109752A
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY Seabrook Station



HYDROGEN GAS SYSTEM

PID- 1-HG-B20888

REF. DRAWING NO.	REV	TITLE
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-805612	12	RADIOACTIVE GAS WASTE SYS. P&ID.
9763-F-805038	4	GAS SERVICE SYS. HYDROGEN P&ID.

NOTES:

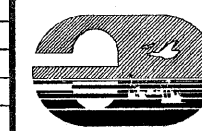
1. WORK THIS DRAWING WITH DRAWINGS 20579 & 20501 THRU 20587.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX MS, UNLESS NOTED OTHERWISE.
3. VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWN STREAM END OF THE OUTER ISOLATION VALVE PER 1-NH-80511, UNLESS NOTED OTHERWISE.
4. INSTRUMENT REFERENCES:
 - A STEAM PRESSURE PROTECTION SYSTEM
 - B STEAM PRESSURE MISMATCH SYSTEM
 - K TO 1-FW-LT-501, LT-551 & LT-4310 ON DWG. 1-FW-20686
 - L TO 1-FW-LT-519 ON DWG. 1-FW-20686.
 - M TO 1-FW-LT-4340, LT-504 & LT-547 ON DWG. 1-FW-20686.
 - N TO 1-FW-LT-549 ON DWG. 1-FW-20686
5. △ INDICATES REVISION LEVEL

PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

12	10-12-09	JM	BCL	DR	INCRP. EC*2467
11	10-9-88	BCL	JM	TAS	INCRP. MMOD 83-504 DCN-02
10	4-12-85	BCL	JM	RRB	INCRP. DCR 83-012 DCN-00
9	4-27-79	RCL	BCL	HWM	INCRP. MMOD 98 0521 DCN 00
8	11/3/95	BWS	MPW	GPM	INCRP. DCR 95-32 CA0, DCR 95-29 CA-0
7	11/29/94	DWS	MPW	MHD	INCRP. MMOD 930545 CA#0
6	4/20/92	MRB	DWS	RRB	INCRP. MMOD 91-515 CA0
5	10/9/91				INCRP. DCR 90-32 CA0 REVISED NOTE 3
4	2/2/90				DELETED NNS-1 SYMBO, ASME CLASS BREAK PER NOTE 3
3	4/20/88	MPW	BCL	RRC	INCORPORATED DCR 87-178 CA02 ADDED: BALL JOINT NUMBERS, REFERENCE DWG NOTE, NOTE 5, REF. COORD. AND LINE CONF. TO OF SUMP, DELETED LINE SPECS & CODE CLASS BREAK PER NOTE 3.
2	9/22/86	JDM	MAP	RRC	REVISED TO SHOW CONNECTIONS & VALVES FOR FITS FROM OUTSIDE TO INSIDE MISSED BARRIER, ADDED TAG NOS. FOR FORJINGS, CORRECTED BALL JOINT SYMBOLS, REVISED TO RESELET CORRECT LINE SEQUENCE FOR PIPING ERECTION ISO F-414011.
1	6/18/86	JDM	DWS	RRC	GENERAL REVISION PER U&AC UPDATE INCRP. ECA 85-0202A
0	2/8/86	TAK	DWS	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

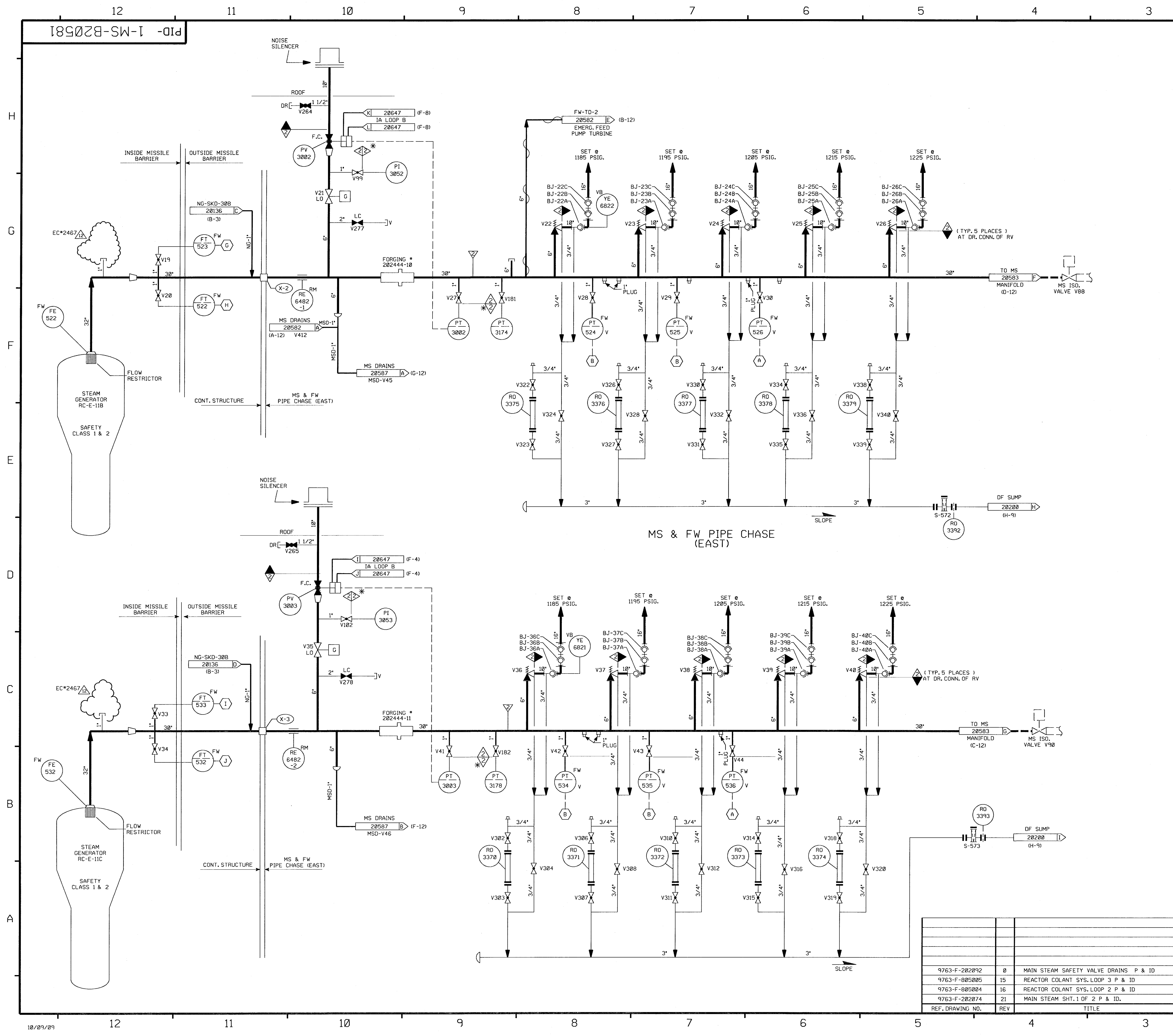
NEXtera ENERGY 
SEABROOK



MAIN STEAM SYSTEM
MAIN STEAM HEADERS
DETAIL

PID-	1-MS-B20580
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9763-F-202092	0	MAIN STEAM SAFETY VALVE DRAINS P & ID
9763-F-005006	18	REACTOR COOLANT SYS. LOOP 4 P & ID
9763-F-005003	17	REACTOR COOLANT SYS. LOOP 1 P & ID
9763-F-202074	21	MAIN STEAM SHT. 1 OF 2 P & ID.
REF. DRAWING NO.	REV	TITLE

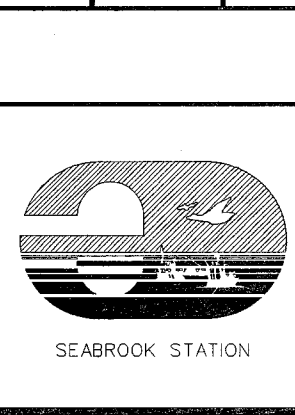


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20579, 20580, 20582 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-805111 UNLESS NOTED OTHERWISE.
 4. INSTRUMENT REFERENCES:
 - (A) STEAM PRESSURE PROTECTION SYSTEM
 - (B) STEAM PRESSURE MISMATCH SYSTEM
 - (G) TO 1-FW-LT-552, LT-502 & LT-4320 ON DWG. 1-FW-20686
 - (H) TO 1-FW-LT-529 ON DWG. 1-FW-20686.
 - (I) TO 1-FW-LT-4330, LT-538 & LT-503 ON DWG. 1-FW-20686.
 - (J) TO 1-FW-LT-539, LT-4330 ON DWG. 1-FW-20686
 5. Δ INDICATES REVISION LEVEL.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

12	10-22-09	JM	BCS	DBA	INCORP. EC*2467
11	7/31/06	BCS	JM	RRB	INCORP. MMDD 03-504 DCN-00
10	4-12-05	BCS	JM	RRB	INCORP. DCR 03-12 DCN-00
9	4-27-99	RWS	JM	HWM	INCORP. MMDD 98 0521 DCN 00
8	7/30/97	MPW	BCS	VMS	INCORP. MMDD 967-550 DCN 01
7	11/3/95	BCL	MPW	GRM	INCORP. DCR 95-32 CA0, DCR 95-29 CA-0
6	11/29/94	DWS	MPW	MHO	INCORP. MMDD 930545 CA*0
5	4/14/92	MRB	DWS	JEV	INCORP. MMDD 91-515 CA0
4	10/9/91	GPM	JM	RWM	INCORP. DCR 90-32 CA0
3	2/12/90	MRB	APL	IV	REVISED NOTE 3 INCORP. DCR 87-178 CA 02.
2	9/8/88	MPW	GPM	RRC	REVISION NOTE 3 ADDED: P&ID LEGEND NOTE, BALL JOINT NUMBERS PER UE & C.P. & ID 202074, NOTE 5, REF. CONT. COORD. AND CONT. OF DRAIN LINES TO DF SUMP. DELETED: CL BREAK
1	9/26/86	MRJ	BCL	RRC	INCORP. ECA 19/3783A, 08/113712B & 02/687C, REVISED BUILDING BOUNDARY, CONTINUATION REFERENCES & ADDED FORGING TAG NUMBERS.
0	2/5/86	TAK	DWS	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION




SEABROOK

MAIN STEAM SYSTEM
MAIN STEAM HEADERS
DETAIL

PID- 1-MS-B20581

9763-F-202092	0	MAIN STEAM SAFETY VALVE DRAINS P & ID
9763-F-805005	15	REACTOR COLANT SYS. LOOP 3 P & ID
9763-F-805004	16	REACTOR COLANT SYS. LOOP 2 P & ID
9763-F-202074	21	MAIN STEAM SHT. 1 OF 2 P & ID.
REF. DRAWING NO.	REV	TITLE

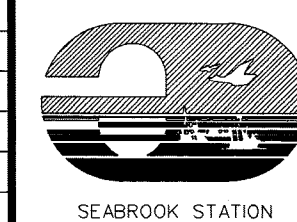
NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 20579, 20580, 20581 & 20583 THROUGH 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 DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER I-NHY-805111, UNLESS NOTED OTHERWISE.
4. DELETED
5. CHECK VALVES V417, V418, V401, V400, V404, & V405 ARE TO BE INSTALLED OPPOSITE FROM DIRECTION OF FLOW IN VERTICAL RUN OF PIPE SUCH THAT THEY HANG OPEN AND ALLOW DRAINAGE WHEN SYSTEM IS DEPRESSURIZED, THUS ENSURING CONDENSATE DRAINAGE & PREVENTING WATER HAMMER.
6. VALVES V299 & V300 ARE THROTTLED 1/4 OPEN FROM FULL CLOSED POSITION.
7. THE INTERNALS FROM VALVES V267 & V268 HAVE BEEN REMOVED.
8.  INDICATES ANSI SAFETY CLASS 3, NOT ASME CODE CLASS 3. (MANUFACTURE'S STANDARDS)
9. FOR INSTRUMENT AIR DETAILS SEE PID 1A-820647.
10. FOR INSTRUMENT AIR DETAILS SEE PID 1A-820644.
11. EFF TURBINE VENT & DRAIN LINES ARE CONTAINED IN A HEATED ENCLOSURE EFF MM01 03-505

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

20	4/7/11	GPS	JM	DCA	INCPOR. EC-2569
19	7/31/06	BGS	JM	RRB	INCPOR. MMOD 03-504 DCN 00
18	10/8/03	BCS	MPW	MAP	INCPOR. DCR 00-021 DCN 00
17	9/10/03	JM	BCS	MAP	INCPOR. MMOD 03-0505 DCN 00
16	10/22/02	JM	MPW	BCS	INCPOR. CR 01-05172 REV 00
15	5/14/02	MPW	JM	MAP	INCPOR. DCR 01-017 DCN 00
14	11/22/00	BCS	MPW	DJM	REINCPOR. MMOD 98-599 DCN-00
13	6/3/98	BCS	MPW	RJB	INCPOR. MMOD 98-599 DCN-00
12	6/3/98	BCS	MPW	VMS	REINCPOR. MMOD 96-550 DCN 02
11	8/18/97	MPW	BCS	VMS	INCPOR. MMOD 96-550 DCN 02
10	6/20/97	DWS	MPW	BAW	INCPOR. DCR 970004 DCN#00
9	11/29/95	MPW	BCS	GRM	INCPOR. DCR 94-43 CA0
8	10/29/92	BCL	MRB	RRB	INCPOR. MMOD 92-502 CA0, 02
7	4/20/92	MRB	BCL	RSG	INCPOR. MMOD 91-515 CA0
6	10/9/91	GRM	JM	RWM	INCPOR. DCR 90-32 CA0 REVISED: NOTE 3 ADDED: CONT COORD
5	6/4/90	MPW	JM	GRM	DELETED: ASME CLASS BREAK PER NOTE 3 INCORPORATED MMOD 90-530 CA0
4	2/9/90	MRB	APL	RRC	INCPOR. DCR 89-41 CA12 REVISED NOTE 3
3	6/11/87	MRJ	DS	RRC	IDENT. SJM LOCATIONS, ADDED SYSTEM & CLASS BREAKS, INCPOR'D DCR 87-212
2	9/22/86	MRJ	MAP	RRC	REVISED BLDG BOUNDARY. ADDED CONTINUATION REF'S. V293 WAS DATE. VLV, INCPOR. ECR 08/502059B. REV'D PER LATEST UE&C P&D.
1	7/2/86	OPD II	BCL	RRC	REVISED PER ECA 08/113712B AND 08/117428A
0	2/5/86	TAK	DWS	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXTERA ENERGY
SEABROOK



MAIN STEAM SYSTEM
EMERGENCY FEEDWATER
PUMP SUPPLY
DETAIL

PID-	1-MS-B20582
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9763-F-202086	14	MAIN TURBINE & STEAM PIPING DRAINS P&ID
9763-F-202110	2	MAIN STEAM PIPING DRAINS P & ID
9763-F-202074	21	MAIN STEAM SYSTEM SHT.1 OF 2 P & ID
REF. DRAWING NO.	REV	TITLE

PID-1-MS-B20583

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

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

- 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 NNS, UNLESS NOTED OTHERWISE.
 4. DELETED
 5. ABOVE SEAT DRAINS ON BOTH TURBINE STOP VALVES & TURBINE CONTROL VALVES ARE SHOWN ON DRAWING B20587.
 6. INDICATES REVISION LEVEL
 7. TO HYDRAULIC SYSTEM SEE FP23003 SHT 9 & 13 ITEMS 2-31.3-31 & 2-7.
 8. VALVE MAY BE OPEN DURING PLANT START-UP OR SURVEILLANCE TESTING. (REF DCR 07-003)

17	6/5/11	JM	<i>ms</i>	<i>ds</i>	INCORP EC 272710
16	10/10/09	BCS	JM	BEB	INCORP EC12635
15	8/14/08	BCS	DJM	RRB	INCORP DCR 07-003 DCR-02
14	10-11-06	BCS	JM	RRB	INCORP DCR 04-015 DCN-00.01
13	12-23-04	JM	BCS	RRB	INCORP CR 04-12622 REV. 0
12	9/7/04	JM	BCS	RRB	INCORP MSE 03-111, REV.0
11	6/2/98	DRL	BCS	VWS	INCORP MMOD 97-521 DCN 02
10	8/18/97	MPW	BCS	VWS	INCORP MMOD 96-550 DCN 01
9	11/19/95	BCL	MPW	MPW	INCORP MMOD 95-523 CA0
8	1/21/92	MRB	BCL	RRC	INCORP MMOD 91-511 CA01 INCORP MMOD 90-633 CA01
7	10/29/90	MRB	DSB	BCL	INCORP MMOD 90-601 CA00
6	6/18/90	MRB	HP	IW	INCORP MMOD 90-609 CA 0
5	1/28/88	MPW	GPM	RRC	INCORP DCR 87-714 & DCR 86-549 REVISED: NOTE 3
4	5/8/87	GPM	DWS	VWS	ADDED HYDRAULIC SHUT OFF VALVES & NOTE 7 PER FP23003.
3	4/22/87	GPM	DWS	VWS	ADDED CONTROL LINE TO MSIV CONTROL SYSTEM PER UE&C CONTROL LOOP DIAGRAMS. REVISED PIPING TO REFLECT AS-INSTALLED CONDITIONS.
2	10/9/86	MRJ	MAP	RRC	INCORP ECA 19/109999A & 08/116467A AND 19/109999A. ADDED CONT. REF. LOOP LOC. NOTE 6 AND P&ID LEGEND NOTE DELETED NOTE 4. ADDED VALVE STOPS PER UE&C P&ID & F.P. REV. TO REF. BLOCK.
1	6/23/86	OPD	JDM	RRC	ADDED SYSTEM DESIGN TO 2" MSD LINES INCORPORATED ECA 99/113903A
0	2/5/86	TAK	DWS	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXTERA ENERGY
SEABROOK



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

PID-1-MS-B20583

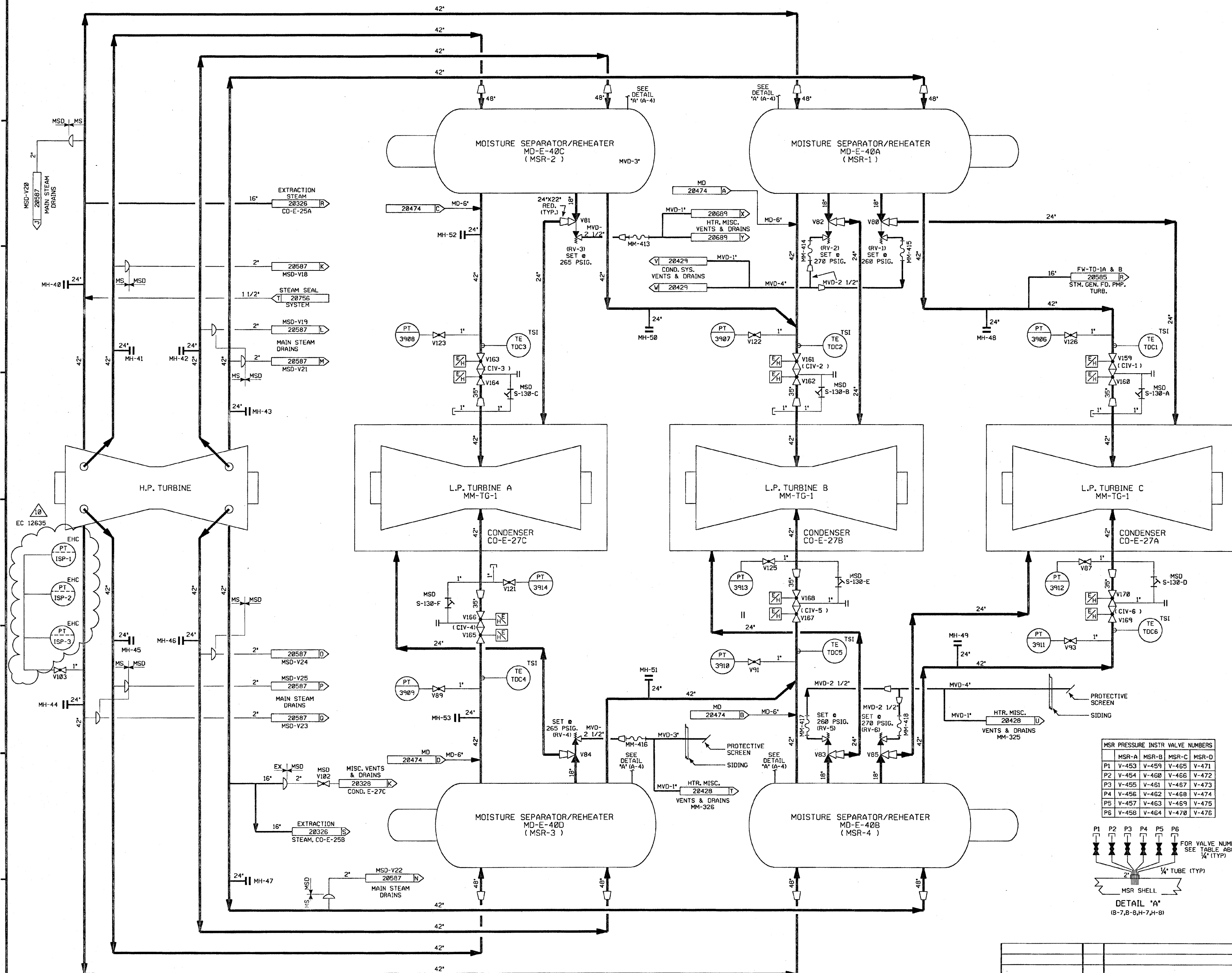
FP-70320	3	MAIN STEAM ISO VALVE CONTROL SYS.
FP-20166	5	42" CROSS-AROUND PIPING LAYOUT SHT.1
9763-F-202075	14	MAIN STEAM SYS. SHT. 2 OF 2 P & ID.
9763-F-202074	21	MAIN STEAM SYS. SHT. 1 OF 2 P & ID.
REF. DRAWING NO.	REV	TITLE

PID-1-MS-B20584

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

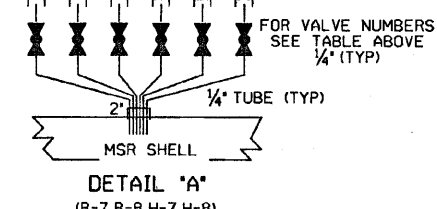
H
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- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20579 THRU 20583 & 20585 THRU 20587.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX MS, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NWS, NON-SEISMIC, CATEGORY I UNLESS NOTED OTHERWISE.
 4. Δ INDICATES REVISION LEVEL.

MSR	MSR-A	MSR-B	MSR-C	MSR-D
P1	V-453	V-459	V-465	V-471
P2	V-454	V-460	V-466	V-472
P3	V-455	V-461	V-467	V-473
P4	V-456	V-462	V-468	V-474
P5	V-457	V-463	V-469	V-475
P6	V-458	V-464	V-470	V-476



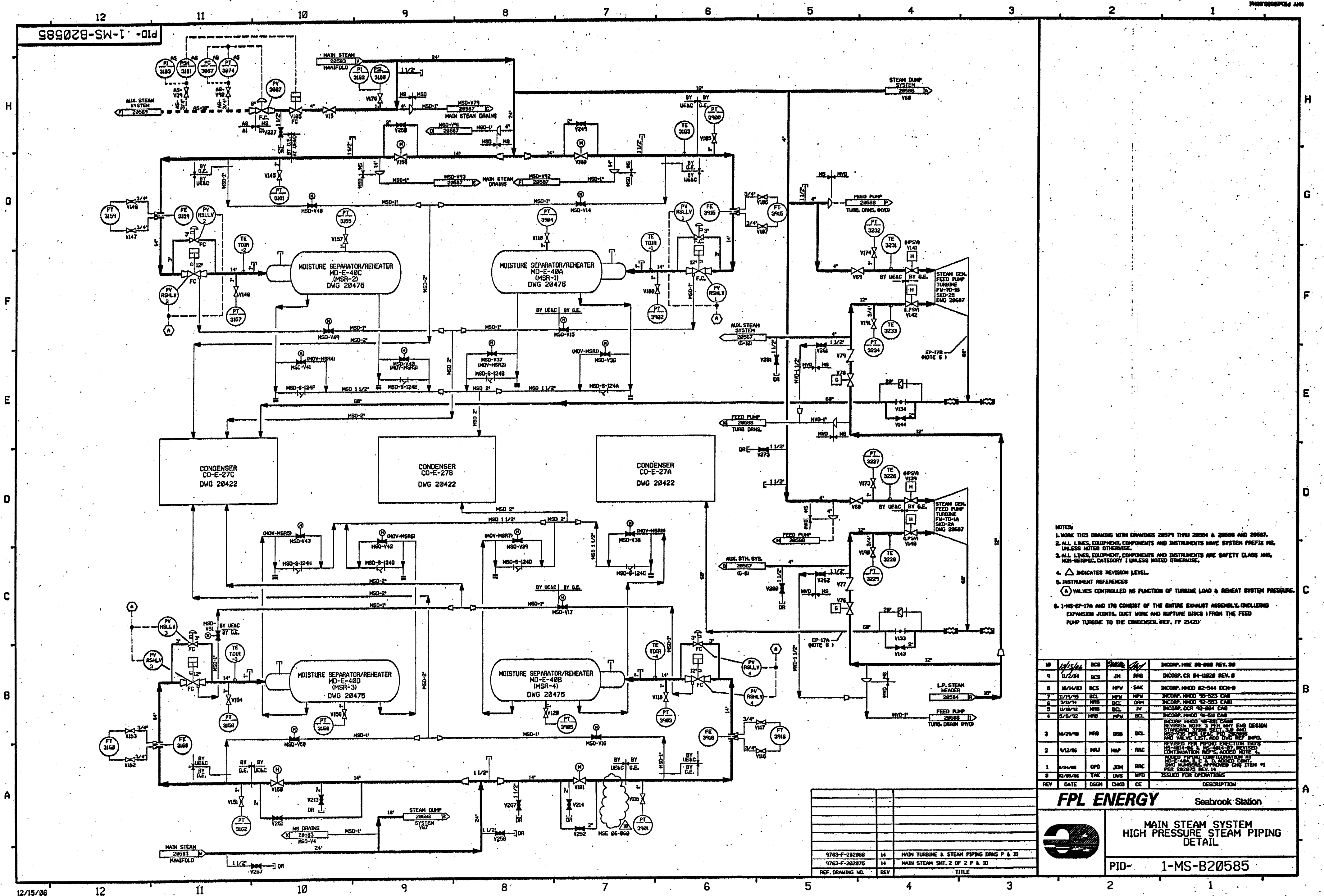
REV	DATE	DSN	CHKD	CE	DESCRIPTION
10	10/10/07	BCS	JM	RRB	INCORP EC 12635
9	10/16/08	BCS	JM	RRB	INCORP CR 08-03527 REV 00
8	4/13/05	BCS	JM	RRB	INCORP MMDO 04-510 DCN-00, DCR 03-010 DCN-00, 02
7	2/23/03	BCS	JM	RRB	ADD CH LEGEND, REF. NOTE
6	1/7/03	JM	MPW	BCS	INCORP CR 04-09401 REV 00
5	5/3/99	DWS	BCS	SD	INCORP MMDO 970619 DCN-00
4	3/21/95	MRB	BCL	DAS	INCORP DCR 92-004 C&B
3	5/8/92	MRB	MPW	BCL	INCORP MMDO 91-511 C&B, CAI
2	9/17/86	PAL	MAP	RRC	REVISED TO INCORP FP 21702 & 20166 (DETAILS OF GE CROSS AROUND PIPING)
1	6/18/86	BLI	DWS	RRC	ADDED CONTINUATION REF. ADDED NOTE 4
0	2/5/86	TAK	DWS	WFD	ISSUED FOR OPERATIONS

NEXTERA ENERGY
SEABROOK

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-202001	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

1. WORK PERS DRAWING WITH DRAWINGS 20579 THRU 20608 AND 20607.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX NO. UNLESS NOTED OTHERWISE.
3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NOS. UNLESS NOTED OTHERWISE.
4. INSTRUMENT REFERENCE


(C) STEAM DUMP CONTROL SYSTEM

5. Δ INDICATES REVISION LEVEL

4	1/4/86	HPV	---	MS	P&B	BDM	INCOMP. NUMBER 42-523 CAB
3	1/14/85	BCL	---	HPV	HRB	HPV	INCOMP. NUMBER 42-523 CAB
							REVISION NO. 3 PER ENG DSOIN STD
							STANDARD 1/8, LINE STYLE PER P&ID
							ADD REVISION NOTE
	2/28/84	GPH	FCB	JN	HRB	TV	ADDENDUM NO. 6 REF. LINE SIZES
							ADDENDUM NO. 3
1	9/12/86	HRJ	YES	HAP	BCL	RRR	REVISED ADD LINE SIZES
6	2/3/86	TAK	HRB	DNS	ASH	WFD	ADDENDUM NO. 3
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	REVISION DESCRIPTION

North Atlantic

Energy Service Corporation



MAIN STEAM SYSTEM STEAM DUMP PIPING DETAIL

PID-

BRANDROCK STATION

1-MS-B20586

PID-1-MS-B20587

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

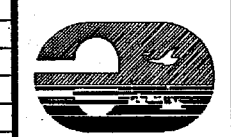
PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

- 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	4/22/79	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	RRR	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	IV	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	IV	INCORPORATED DCR 89-34, CA0
4	2/24/76	MRB	APL	WFD	INCORPORATED DCR 88-94, CA0
3	1/28/76	MPW	GPM	RRR	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	RRR	REVISED TIE-IN PER F-414017
1	5/12/76	MRJ	BCL	RRR	ADDED CONTINUATION REF. Y-9 WAS DATE 11/1/76 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

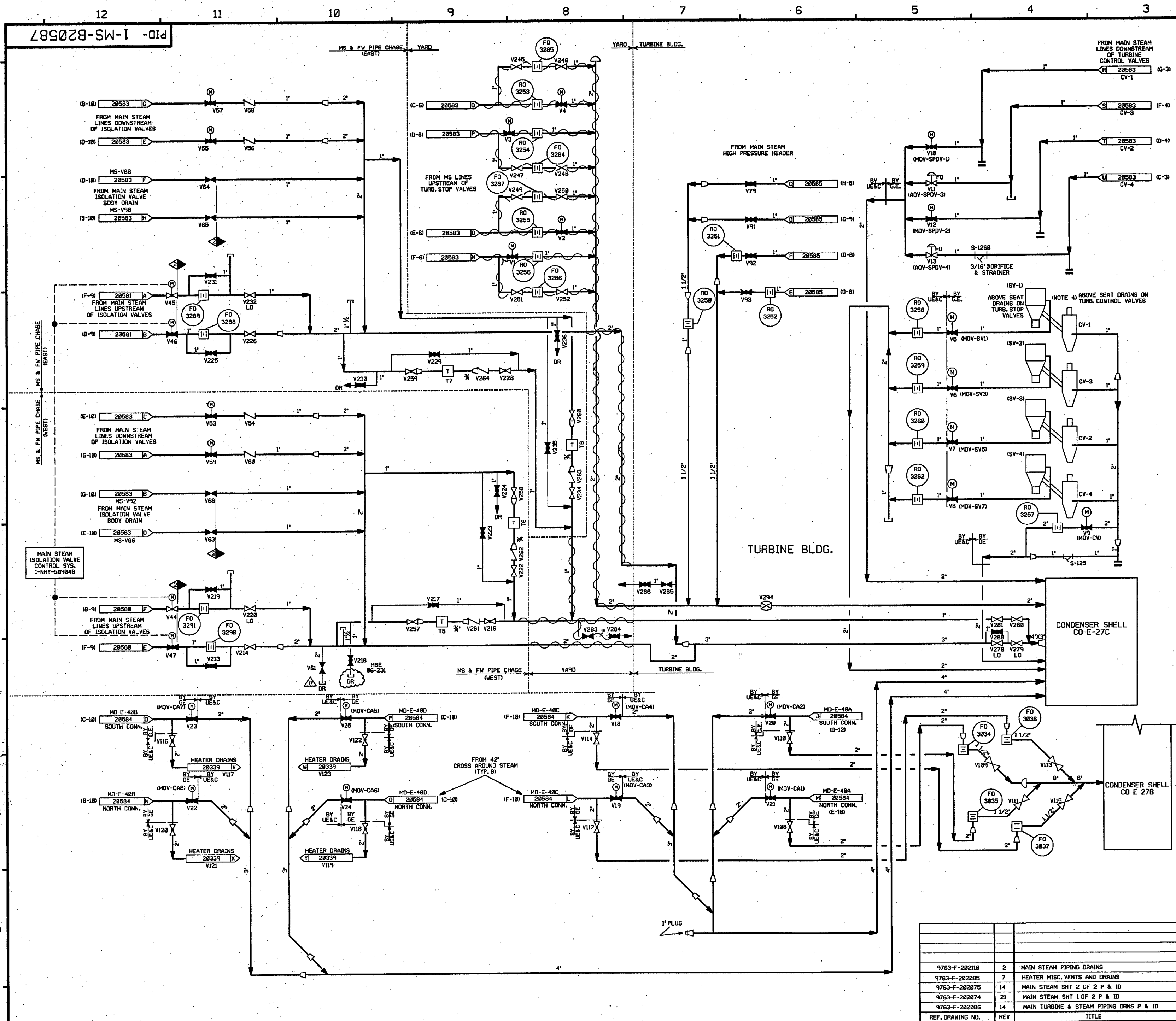


MAIN STEAM SYSTEM
MAIN STEAM DRAINS
DETAIL

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





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 MMS UNLESS NOTED OTHERWISE.
5.  INDICATES REVISION LEVEL

5	10-11-02	BCL	rwf	REB	INCRP. MHOD 82-544 DCN 88 & 81
4	5/25/82	NRB	BCL	RRB	INCRP. MHOD 91-515 C&B
3	5/23/78	NRB	APL	DJM	INCRP. MHOD 90-577 C&M
2	5/5/89	NRB	GPM	GRM	REVISED NOTE 4 AND PIPING TO CLARIFY DUPLICATION OF SYSTEM & INTERFACES. ADDED LEGEND REFERENCE NOTE CONTINUED COORDINATES. NOTE 5 DELIMITED NUCLEAR SFY, RELATED STAMP
1	9/17/86	NRJ	MAP	RRC	REV TO ADD BACK MOUNTED DESIGNATION TO FY-2336 FROM LOCAL MOUNT IN ERROR
0	6/5/86	OPD	DMS	WFD	REVISED CONTINUATION REFERENCES. ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

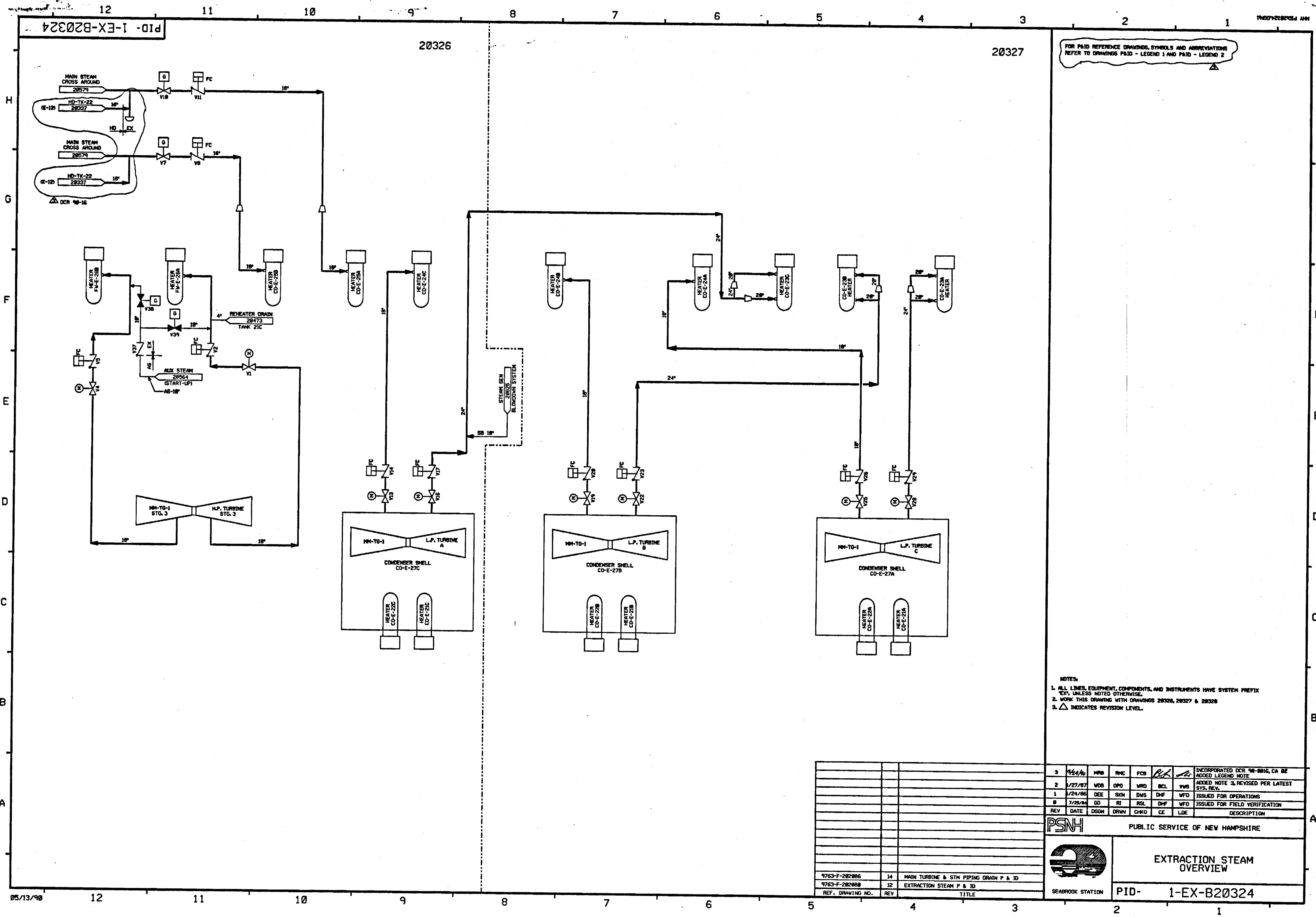
Seabrook Station



MAIN STEAM SYSTEM MISC. VENTS AND DRAINS DETAIL

PID- 1-MS-B20588

4763-F-202164	10	TURBINE BUILDING PIPING ZONES 7A & 7B
4763-F-202087	10	FEED PUMP TURBINE DRAINS
4763-F-202100	15	AUX. BOILER STEAM AND CONDENSATE RETURN
REF. DRAWING NO.	REV	TITLE



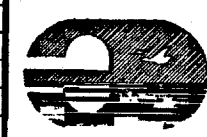
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
- 1. 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	WRO	BCL	WVS	INCORPORATED DCR 90-0816, CA 02 ADDED LEGEND NOTE
2	1/27/07	WDS	OPD	WRO	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

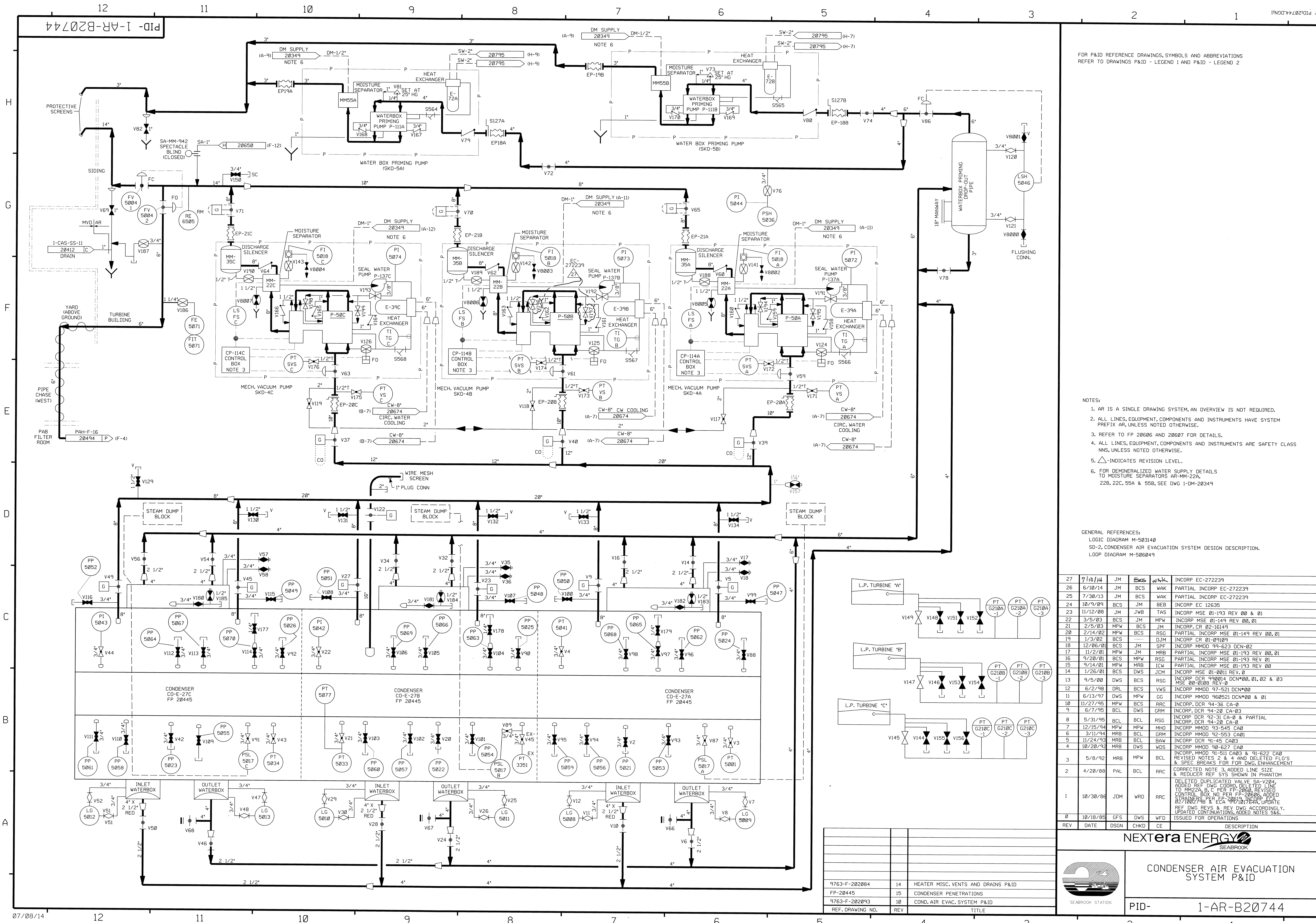
PUBLIC SERVICE OF NEW HAMPSHIRE



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



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 20606 AND 20607 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-DM-20349

GENERAL REFERENCES:
LOGIC DIAGRAM M-503140
SD-2, CONDENSER AIR EVACUATION SYSTEM DESIGN DESCRIPTION.
LOOP DIAGRAM M-506049

27	7/10/14	JM	BCS	WAK	INCORP EC-272239
26	6/10/14	JM	BCS	WAK	PARTIAL INCORP EC-272239
25	7/30/13	JM	BCS	WAK	PARTIAL INCORP EC-272239
24	10/9/09	BCS	JM	BEB	INCORP EC 12635
23	11/12/08	JM	JWB	TAS	INCORP MSE 01-193 REV 00 & 01
22	3/5/03	BCS	JM	MPW	INCORP MSE 01-149 REV 00, 01
21	2/5/03	MPW	BCS	JM	INCORP CR 02-16149
20	2/14/02	MPW	BCS	RSG	PARTIAL INCORP MSE 01-149 REV 00, 01
19	1/3/02	BCS	DJM		INCORP CR 01-09109
18	12/06/01	BCS	JM	SPF	INCORP MMOD 99-623 DCN-02
17	11/2/01	MPW	JM	MRB	PARTIAL INCORP MSE 01-193 REV 00, 01
16	9/20/01	BCS	MPW	RSG	PARTIAL INCORP MSE 01-193 REV 01
15	9/14/01	MPW	MRB	ICW	PARTIAL INCORP MSE 01-193 REV 00
14	1/26/01	BCS	DWS	JCM	INCORP MSE 01-0011 REV. 0
13	9/5/00	DWS	BCS	RSG	INCORP DCR 99-0014 DCN#00, 01, 02 & 03 MSE 00-0100 REV. 0
12	6/2/98	DRL	BCS	VWS	INCORP MMOD 97-521 DCN#00
11	6/13/97	DWS	MPW	GG	INCORP MMOD 96-0521 DCN#00 & 01
10	11/27/95	MPW	BCS	RRC	INCORP DCR 94-36 CA-0
9	6/7/95	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 MMOD 92-545 CA0
6	3/11/94	MRB	BCL	GRM	INCORP MMOD 92-553 CA01
5	11/24/93	MRB	BCL	BAW	INCORP DCR 91-45 CA03
4	10/20/92	MRB	DWS	WDS	INCORP MMOD 90-627 CA0
3	5/8/92	MRB	MPW	BCL	INCORP MMOD 91-511 CA03 & 91-622 CA0 REVISED NOTES 2 & 4 AND DELETED FLG'S & SPEC BREAKS FOR FOR DWG ENHANCEMENT
2	4/20/88	PAL	BCL	RRC	DELETED DUPLICATED VALVE SP-V204 ADDED REF DWG 90-627, DELETED LINE TO MM22A, 5 C PER PP-20606, REVISED CONTROL BOX NO PER PP-20606, ADDED 02/08/98 PER ECR-20610, INCL. UPDATE REF DWG REVS & REV DWG ACCORDINGLY. UPDATED CONTINUATIONS, ADDED NOTES 5&6.
1	10/30/86	JDM	WRD	RRC	
0	10/18/85	DFS	DWS	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

9763-F-202084	14	HEATER MISC. VENTS AND DRAINS P&ID
FP-20445	15	CONDENSER PENETRATIONS
9763-F-202093	10	COND. AIR EVAC. SYSTEM P&ID
REF. DRAWING NO.	REV	TITLE

SEABROOK

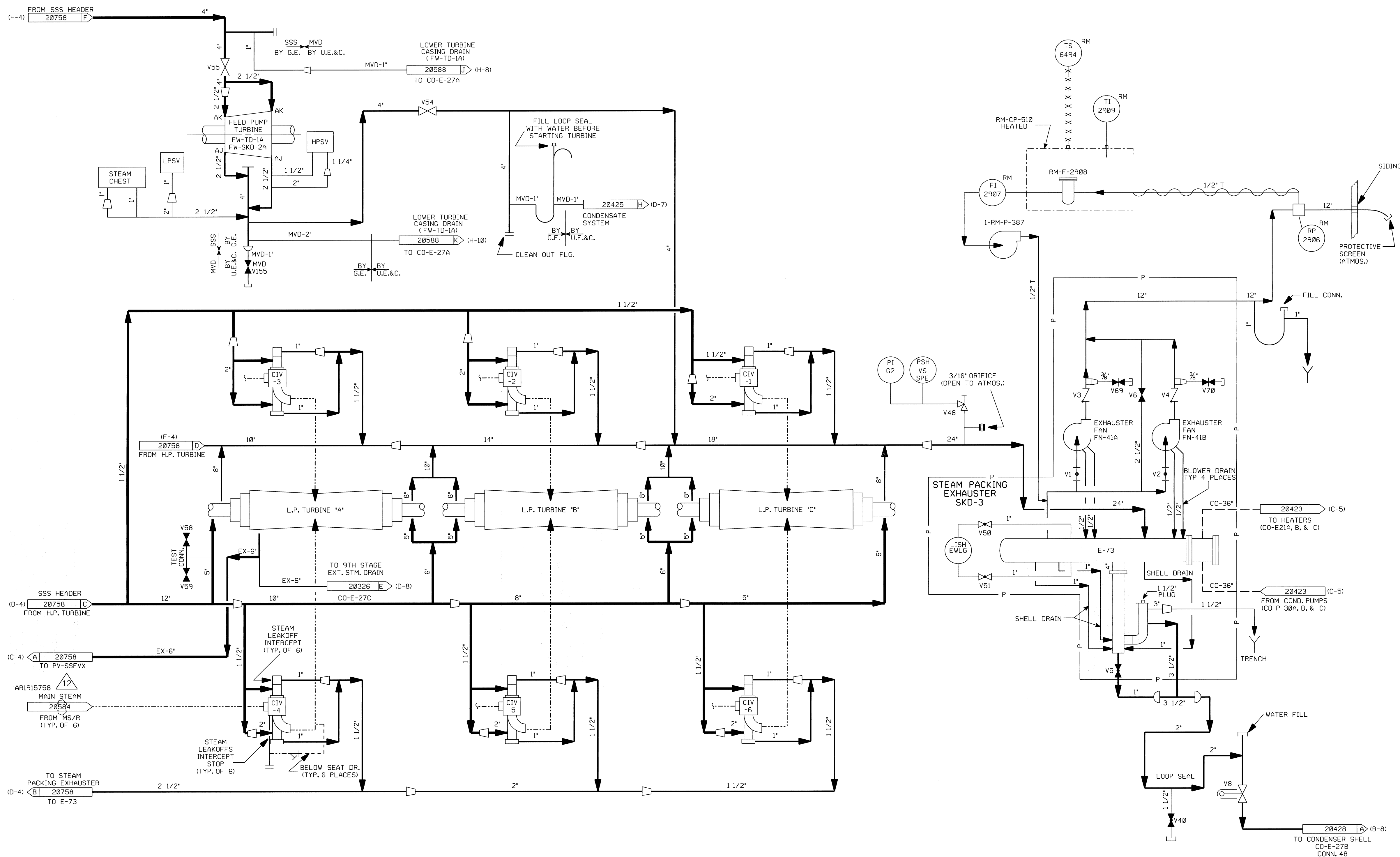
SEABROOK STATION

CONDENSER AIR EVACUATION
SYSTEM P&ID

PID-1-AR-B20744

PID-1-SSS-B20759

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 20756 & 20758.
 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.

12	12/13	BCS	JM	RRB	REVISED PER AR 1915758
11	6/8/04	BCS	JM	RRB	INCCORP. MSE 03-203 REV-00
10	12/10/03	BCS	JM	PEB	REVISED PER CR 99-10734 REV. 0
9	5/7/03	MPW	JM	BCS	REVISED PER FP'S 20416, 20128 & ISO'S
8	1/8/01	BCS	DWS	JCM	INCCORP. MSE 020031 REV.0
7	12/4/95	MPW	BCS	DJM	INCCORP. MMDD 95-604 CA0
6	4/20/92	MRB	DWS	JEV	INCCORP. MMDD 91-515 CA0
5	2/2/90	MRB	APL	IW	RE-INCCORPORATED DCR 88-197 CA-01
4	5/5/89	MRB	GPM	GRM	INCCORPORATED DCR 88-197 CA 00, REVISED NOTE 3, CONT. TAG DESCRIPTIONS ADDED; CONTINUATION COORDINATES ADDED; NOTE FOR P&ID LEGEND, DWG CONT. COORD'S, DELETED NOTE 5 AND CHANGE ITEM 3, REVISED DRAFTING ERRORS AND REF DWG REV'S.
3	11/26/86	WDS	WRD	RRC	ADDED CO CONFIG. & CO-E-27C DESIGN, REMOVED CHANGE ITEMS 1 & 2, ADDED CHANGE ITEM #3
2	6/20/86	DWS	JDM	RRC	ISSUED FOR OPERATIONS, GENERAL REVISION INCCORP. ECA 99/106823A
1	10/18/85	TAK	DWS	WFD	ISSUED FOR OPERATIONS, GENERAL REVISION
0	07/25/84	GO	RSL	WFD	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXTERA ENERGY

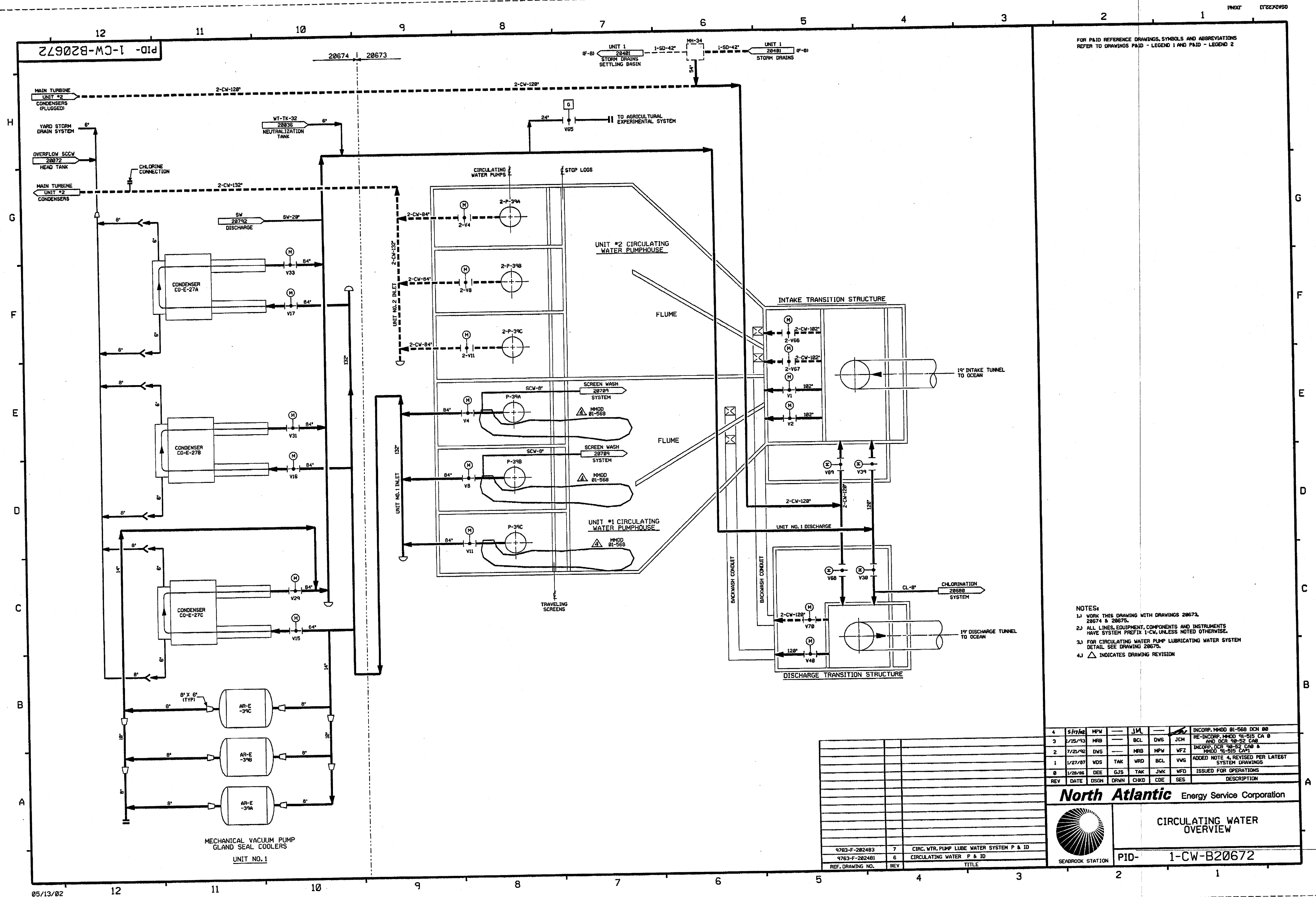
SEABROOK



TURBINE STEAM SEAL SYSTEM
DETAIL

PID-1-SSS-B20759

9763-FP-20735	8	FEED PUMP TURBINE
9763-FP-20416	1	STEAM PACKING EXHAUSTER
9763-FP-20415	10	T-G STEAM SEAL SYSTEM DIAGRAM
9763-F-202080	11	EXTRACTION STEAM-P & I DIAGRAM
9763-F-202077	15	CONDENSATE SYSTEM-P & I DIAGRAM
9763-F-202084	14	HEATER MIST, VENTS & DR.-P & I DIAGRAMS
9763-F-202087	8	FEED PUMP TURBINE DRAINS-P & I DIAGRAMS
9763-F-202075	14	MAIN STEAM SHUT 2 OF 2 P&ID
9763-F-202090	5	STEAM SEAL SYSTEM-P & I DIAGRAMS
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 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	7/21/92	DWS	---	MRB	MPW	WFZ	RE-INCORP. M400 01-515 CA 0
2	1/27/87	WDS	TAK	WRD	BCL	VMS	AND DCR 30-52 CAB
1	1/28/86	DEE	GJS	TAK	JWK	WFD	INCORP. DCR 30-52 CAB & M400 01-515 CAP
0							ADDED NOTE 4, REVISED PER LATEST SYSTEM DRAWINGS
							ISSUED FOR OPERATIONS

North Atlantic Energy Service Corporation



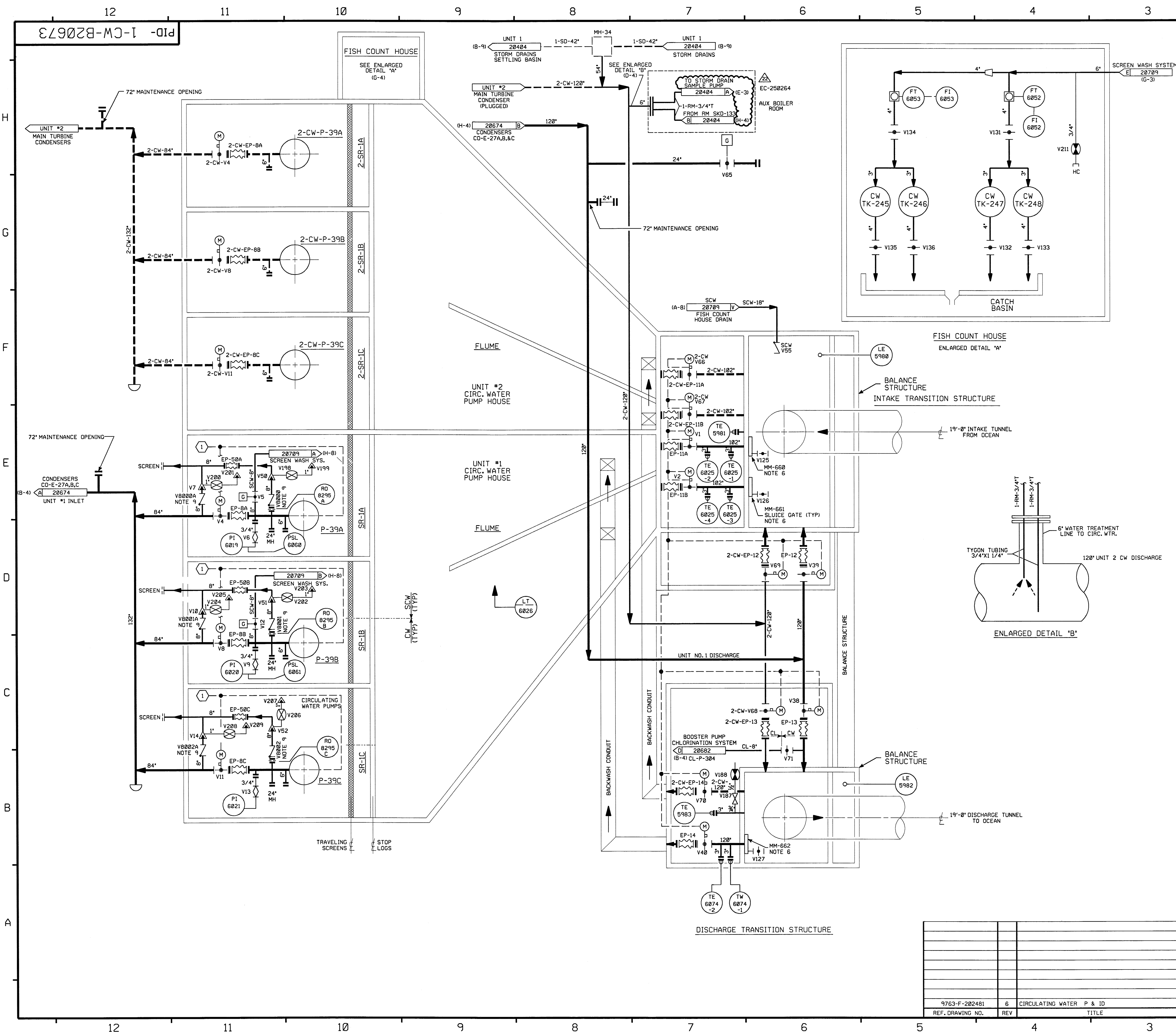
CIRCULATING WATER OVERVIEW

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

05/13/02



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 20672, 20674 & 20675.
 - 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. 252-8 SH. 41.

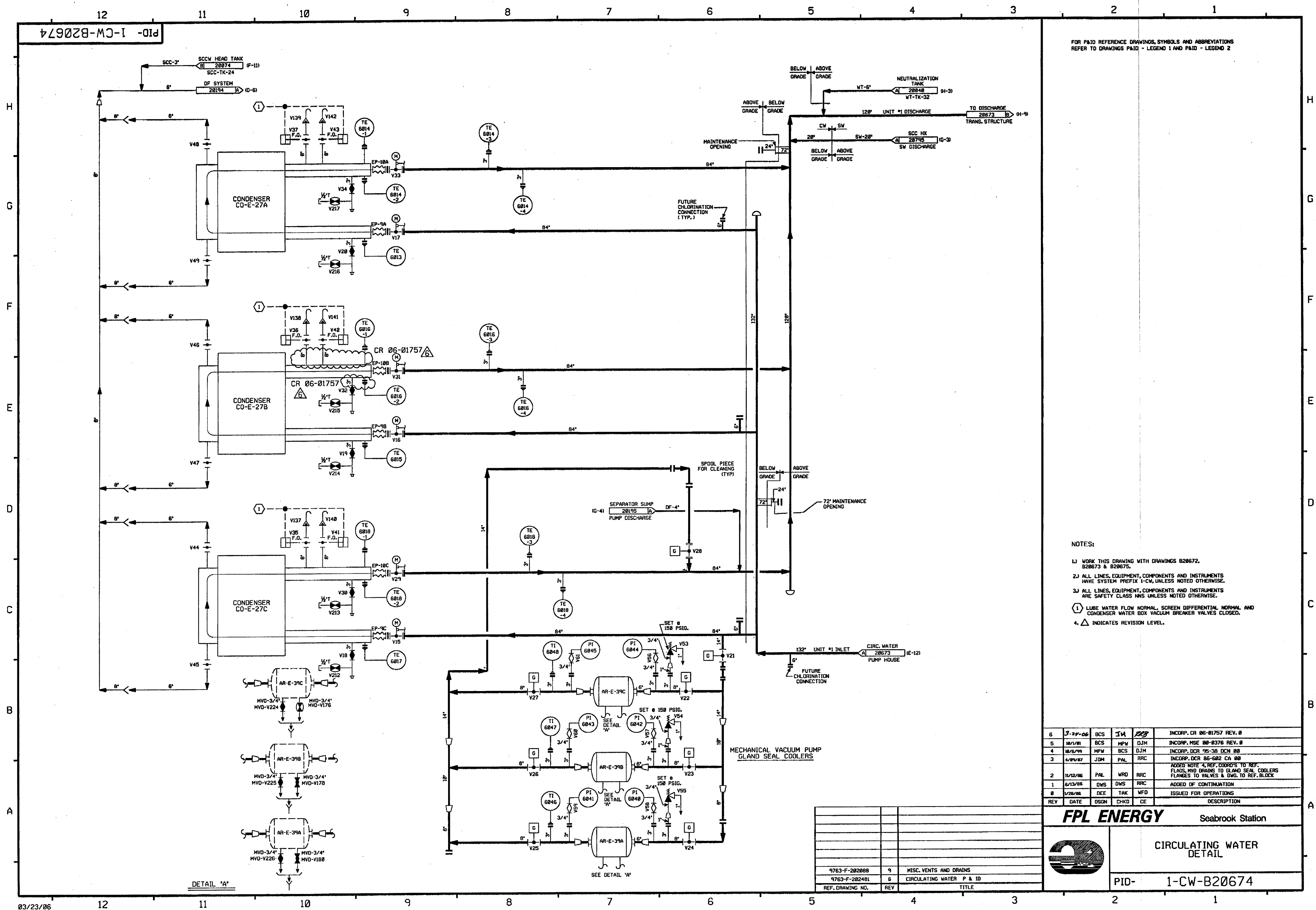
22	4/12/12	GPS	JM	RRB	INCORP. EC-250264
21	10/13/04	BCS	JM	RRB	INCORP. CR 04-06277 REV. 0
20	4/3/03	JM	BCS	MPW	INCORP. CR 00-08723 REV 00 & CR 02-14663 REV 00
19	1/6/03	JM	MPW	BCS	INCORP. CR 02-01414 REV 00 & CR 02-08274 REV 00
18	5/17/02	MPW	JM	IW	INCORP. MMOD 01-568 DCN 00, 06
17	10/15/01	BCS	JM	JMS	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	RSG	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 CA0
11	7/27/92	DWS	MPW	IW	INCORP. DCR 870237 CA*0 & 1
10	7/21/92	DWS	MRB	WFZ	REINCORP. DCR 90-52
9	6/19/92	MRB	BCL	IW	RE-INCORP. MMOD 91-515 CA01
8	2/6/92	MRB	BCL	RSG	INCORP. MMOD 91-515 CA01
7	2/5/92	MRB	BCL	WFZ	INCORP. DCR'S 91-01 CA0 & 90-52 CA0 REV. CONTINUATIONS TO REFLECT CORRES. PIDS
6	3/11/91	MRB	APL	IW	INCORP. DCR 89-65 CA03
5	5/1/90	MRB	APL	IW	INCORPORATED DCR 86-433 CA29
4	4/25/89	GPM	MRB	PEB	REVISED: NOTE 3 ADDED VALVE NO'S V8000-0803, 2-CW PREFIX FOR UNIT 2 REFS AND REF COORD'S TO FLAGS. DELETED NOTE 9 AND N/A REF. DNG.
3	11/21/86	PAL	PAL	RRC	INCORP. ECA 19/117262A
2	9/22/86	MAP	BCL	RRC	CHGO V58 TO V38 PER UE&C P&ID VALVES V800V51 & V52 ARE DUBL ACTION VALVES. HENCE VALVE NO'S V8000-0803 ARE NOT REQUIRED.
1	6/28/86	BLL	BCL	RRC	ISSUED FOR OPERATIONS
0	01/28/86	DEE	TAK	WFD	
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXTERA ENERGY
SEABROOK

**CIRCULATING WATER
DETAIL**

PID- 1-CW-B20673

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



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

NOTES:

- 1) WORK THIS DRAWING WITH DRAWINGS 828672,
828673 & 828675.
- 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 NMS UNLESS NOTED OTHERWISE.
- ① LUBE WATER FLOW NORMAL, SCREEN DIFFERENTIAL NORMAL AND
CONDENSER WATER BOX VACUUM BREAKER VALVES CLOSED.
4. Δ INDICATES REVISION LEVEL.

6	3-29-06	BCS	TM	RR	INCORP. CR 06-01757 REV. 0
5	10/1/01	BCS	MPW	DJM	INCORP. MSE 00-0376 REV. 0
4	10/5/99	MPW	BCS	DJM	INCORP. DCM 95-38 DCN 00
3	4/10/87	JDH	PAL	RR	INCORP. DCR 86-682 CA 00
2	11/2/86	PAL	WRO	RR	ADDED NOTE 4, REF. COOLERS TO REF. FLANGES AND DRAINS TO GLAND SEAL COOLERS
1	6/13/86	DMS	DWS	RR	ADDED OF CONTINUATION FLANGES TO VALVES & DWG. TO REF. BLOCK
0	12/28/86	DEE	TAK	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

Seabrook Station



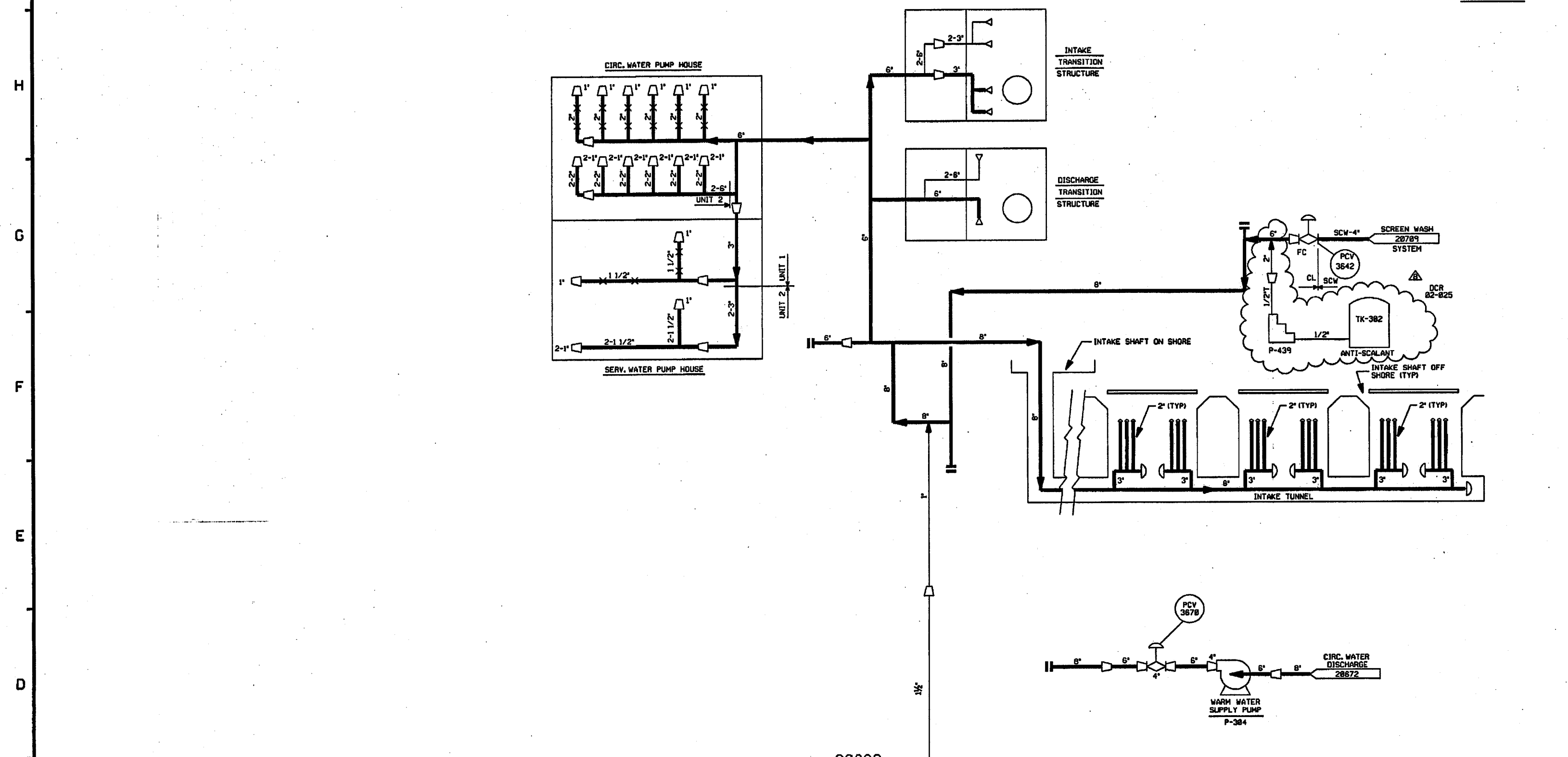
CIRCULATING WATER
DETAIL

PID- 1-CW-B20674

PID-1-CL-B20680

20682

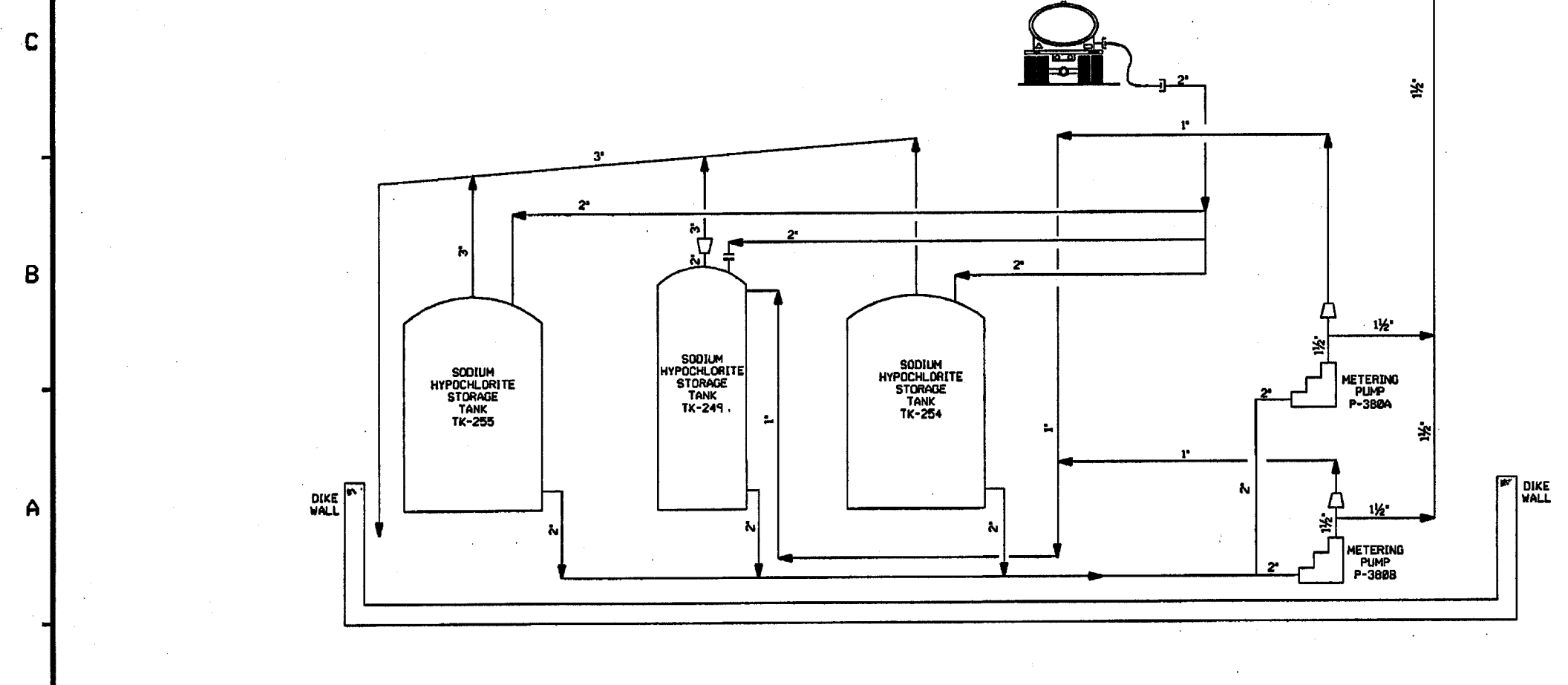
FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2



20682

20681

20681

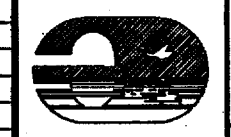


- NOTES:
1. WORK THIS DWS WITH DWS. 20681 & 20682.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX CL. UNLESS NOTED.
 3. Δ - INDICATES REVISION LEVEL.

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 CA99
2	4/25/89	MPW	MRB	PEB	DELETED DCN 65/2228 IN INCOMPLETE ITEMS PER DCR 88-546 INCORP. DCR 88-546 CAIG.
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

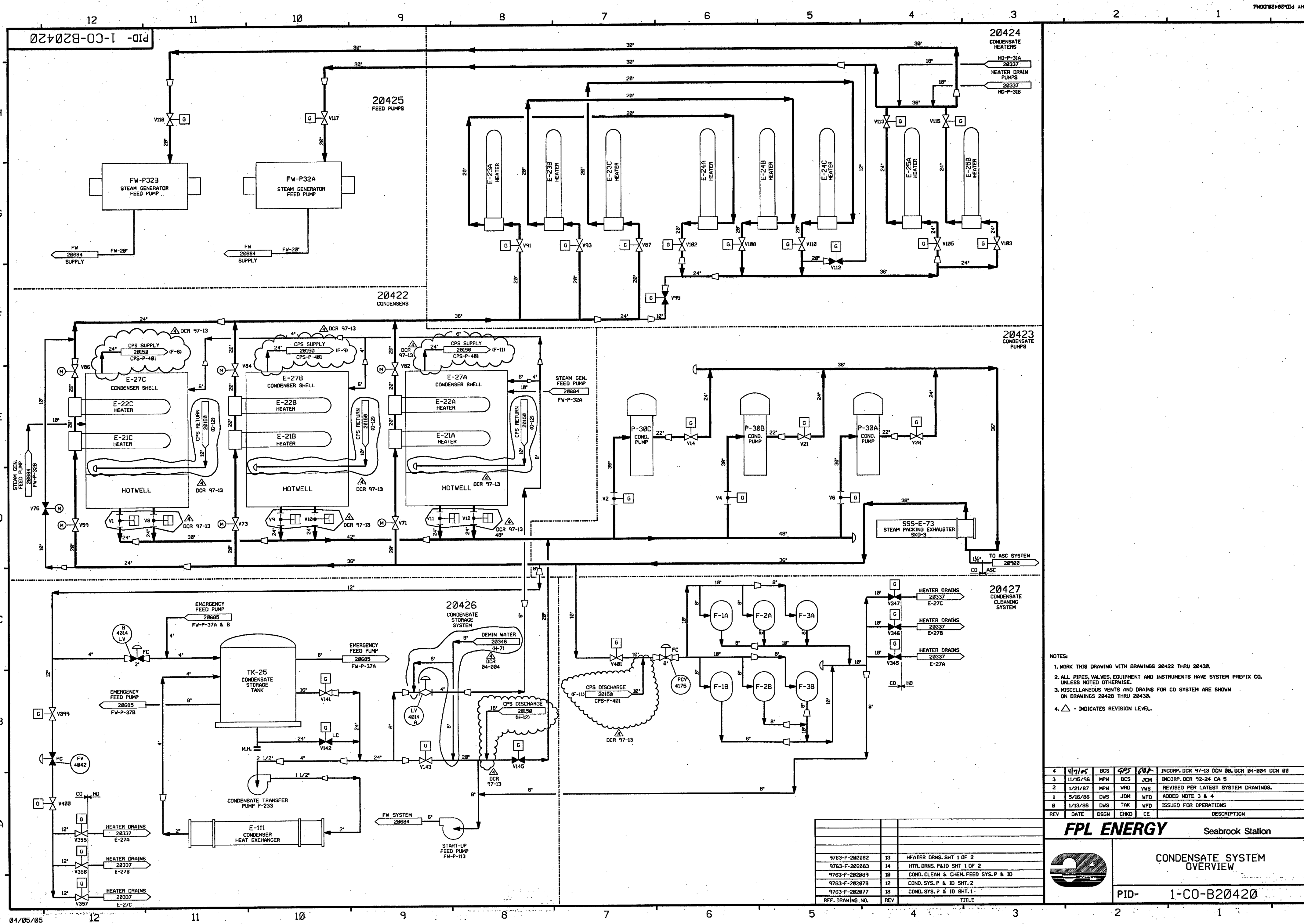
Seabrook Station




CHLORINATION SYSTEM
OVERVIEW

PID- 1-CL-B20680

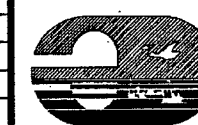
9763-F-282484	7	INTAKE TUNNEL CHLORINATION & DISTRIBUTION SYSTEM P & ID
REF. DRAWING NO.	REV	TITLE



- 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	6/6/05	INCRP, DCR 97-13 DCM 00, DCR 04-004 DCM 00
3	11/15/96	MPW	BCS	JCM	INCRP, DCR 92-24 CA 5
2	1/21/87	MPW	WRD	VWS	REVISED PER LATEST SYSTEM DRAWINGS.
1	5/16/86	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

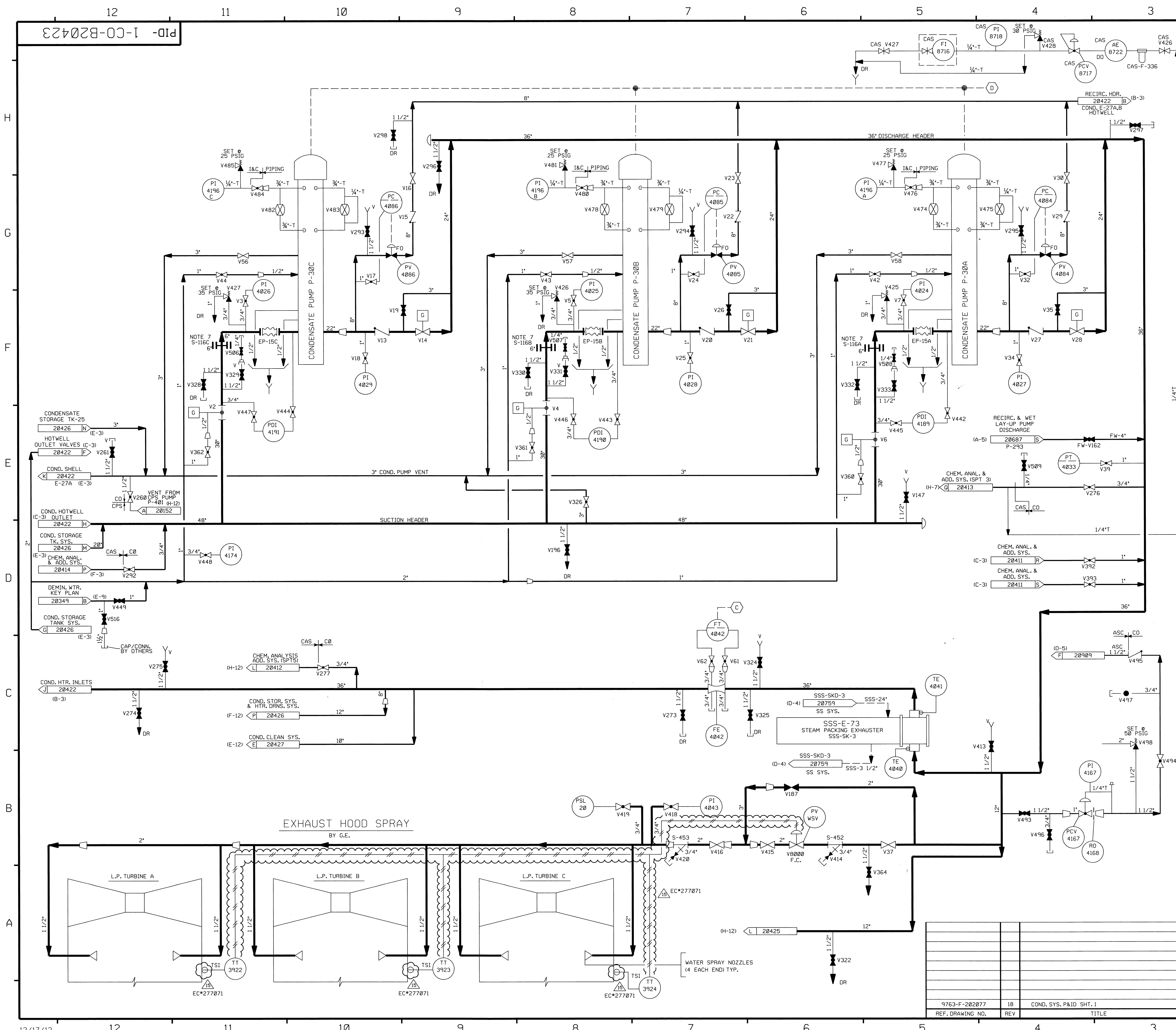
9763-F-282682	13	HEATER DRWS. SHT 1 OF 2
9763-F-282683	14	HTR. DRWS. PAID SHT 1 OF 2
9763-F-282689	18	COND. CLEAN & CHEM. FEED SYS. P & ID
9763-F-282678	12	COND. SYS. P & ID SHT. 2
9763-F-282677	18	COND. SYS. P & ID SHT. 1
RFF. DRAWING NO.	REV	TITLE

NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 20420, 20423 THRU 20427.
2. ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX CD, 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-C0-LV-4014A & B ON DWG C0-20426.
 - (C) HIGH-HIGH LEVEL TO CLOSE RESPECTIVE HEATER COND. INLET TO NO.1 & OUTLET OF NO.2 WHILE OPENING BYPASS VALVE 1-C0-V75.
5. DELETED
6. Δ - INDICATES REVISION LEVEL
7. VALVES 358 & 359 TO BE MAINTAINED IN A THROTTLED POSITION TO PROVIDE A 60 PSIG NOMINAL BACK PRESSURE.
8. FOR OTHER NOZZLES ON HEATERS 1-C0-21A,B&C AND 1-C0-E-22A,B&C SEE PID'S
C0-20428
EX-20326
EX-20327
HD-20339
HD-20340
HD-20341

PID-	1-CO-B20422
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9763-F-202481	6	CIRCULATING WATER P & ID
9763-F-202077	18	COND. SYS. P&ID SHT 1
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:

- WORK THIS DRAWING WITH DRAWINGS 20420, 20422 & 20424 THRU 20427.
- ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX CO, UNLESS NOTED OTHERWISE.
- ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
- INSTRUMENTATION REFERENCES:
 - (C) TO COND. STORAGE SYS., I-CO-FV-4042 ON DWG. 20426.
 - (D) TO FEEDWATER PUMP SUCTION I-CO-PSL-4034 & 4035 DWG CO-20425.
- △ - INDICATES REVISION LEVEL.
- DELETED
- PERMANENT SPOOL PIECE INSTALLATION IS SHOWN. SUCTION STRAINER IS USED DURING INITIAL OPERATION. STRAINER CAN BE REMOVED FOLLOWING CO SYSTEM CLEAN-UP.

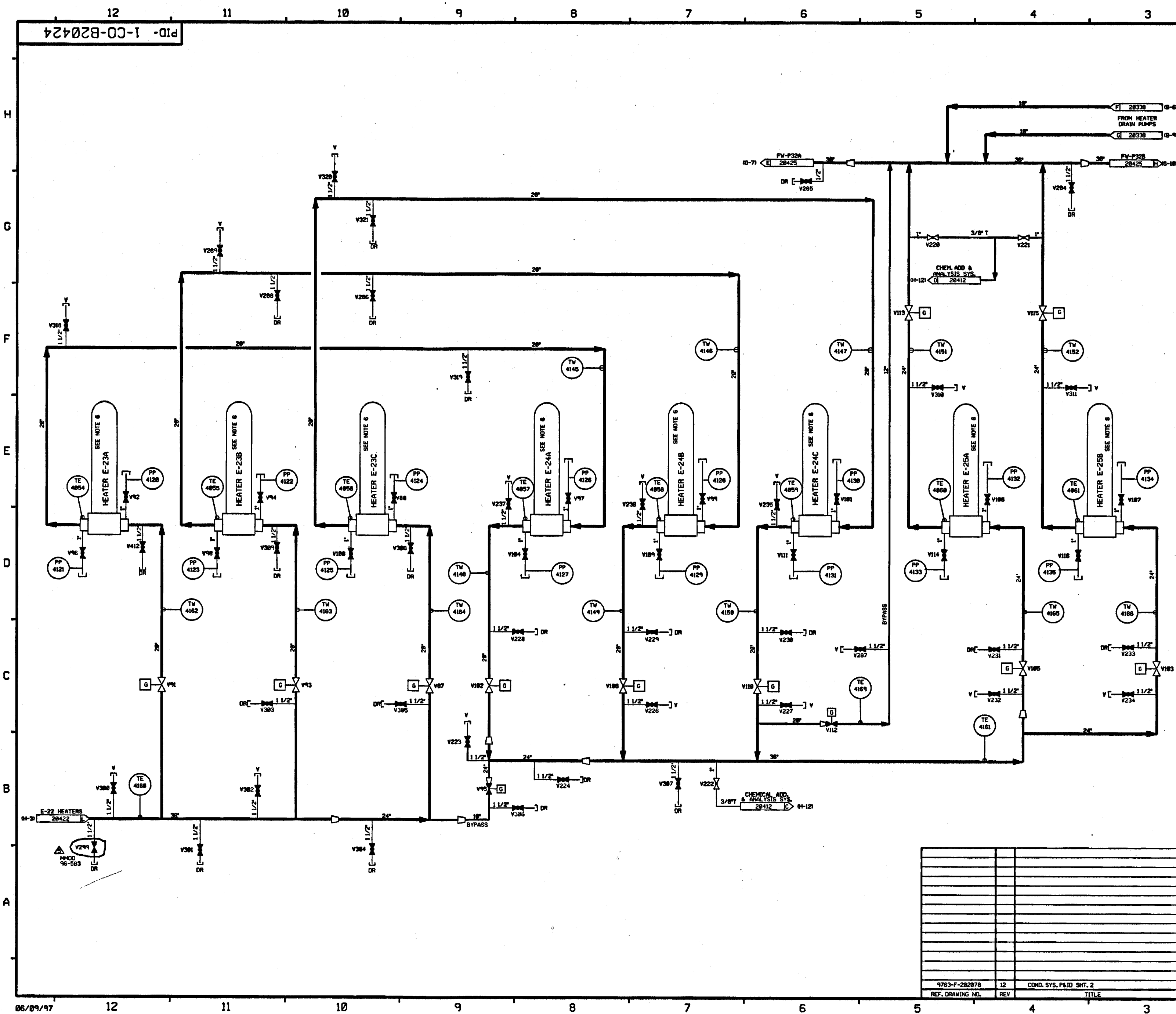
REV	DATE	DSGN	CHKD	CE	DESCRIPTION
15	12/20/12	JM	BCS	WFS	INCORP EC*277071
14	8/1/06	JM	MPW	MAP	INCORP MSE 06-064 REV 00
13	4/19/05	BCS	JM	BCS	INCORP DCR 97-13 DCN-00
12	5/16/02	JM	MPW	IW	INCORP MMOD 00-0533 DCN*00 & *05
11	2/4/02	BCS	JM	DEA	INCORP MSE 01-0174 REV. 00
10	7/26/00	MPW	DWS	RWM	INCORP MMOD 97-637 DCN 00
9	6/7/97	BCS	MPW	RCP	INCORP DCR 92-31 CA04
8	11/13/95	BCL	MPW	RRC	REVISED PER ISO CO-4053-34
7	5/18/95	BCL	MPW	RCP	INCORP DCR 92-31 CA0 & 03
6	5/2/94	BCL	MPW	JCM	INCORP DCR 92-24 CA0 & 1
5	8/19/93	MRB	BCL	RSG	INCORP MMOD 98-547 CA02 & MMOD 89-616 CA02
4	9/17/91	MRB	JM	IW	INCORPORATED DCR 89-47 CA02 REVISED NOTES 2 AND 3 ADDED SSS-SYSTEM INTERFACE FOR CLARITY
3	12/29/89	MRB	APL	WFD	REVISED LINE SIZES TO EXH. HOOD SPRAY PER G.E. FP-20551. ADDED INSTRUMENTATION & LINE NOS PER U&C P&ID. P1 WAS P1 IN ERROR. ADDED ZONE LOCATIONS TO FLAGS DELETED NOTE 6, UPDATED REV. BLOCK.
2	10/30/86	PAL	WRD	RRC	ADDED EXHAUST HOOD SPRAY AND CONTINUATIONS, NOTE 5 INCORP. CHG ITEM 4 PER 202077-R17
1	5/27/86	OPD	JDM	WFD	ISSUED FOR OPERATIONS
0	1/13/86	DWS	TAK	WFD	


SEABROOK STATION

CONDENSATE SYSTEM
DETAIL

PID-

1-CO-B20423

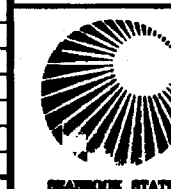


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID-LEGEND 1 AND P&ID-LEGEND 2.

- 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	DJM		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

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

- NOTES:
- WORK THIS DRAWING WITH DRAWINGS 20420, 20422, 20423, 20424, 20426 THRU 20430.
 - ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX CO UNLESS NOTED OTHERWISE.
 - ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
 - REFERENCE TEST LOOP DWGS. FOR VALVE I.D.
 - 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 FV-4064 & 4065.
 - (D) TO CONDENSATE PUMP MOTORS 1-CO-P-30A, B&C ON DWG. CO-20423.
 - △ - INDICATES REVISION LEVEL

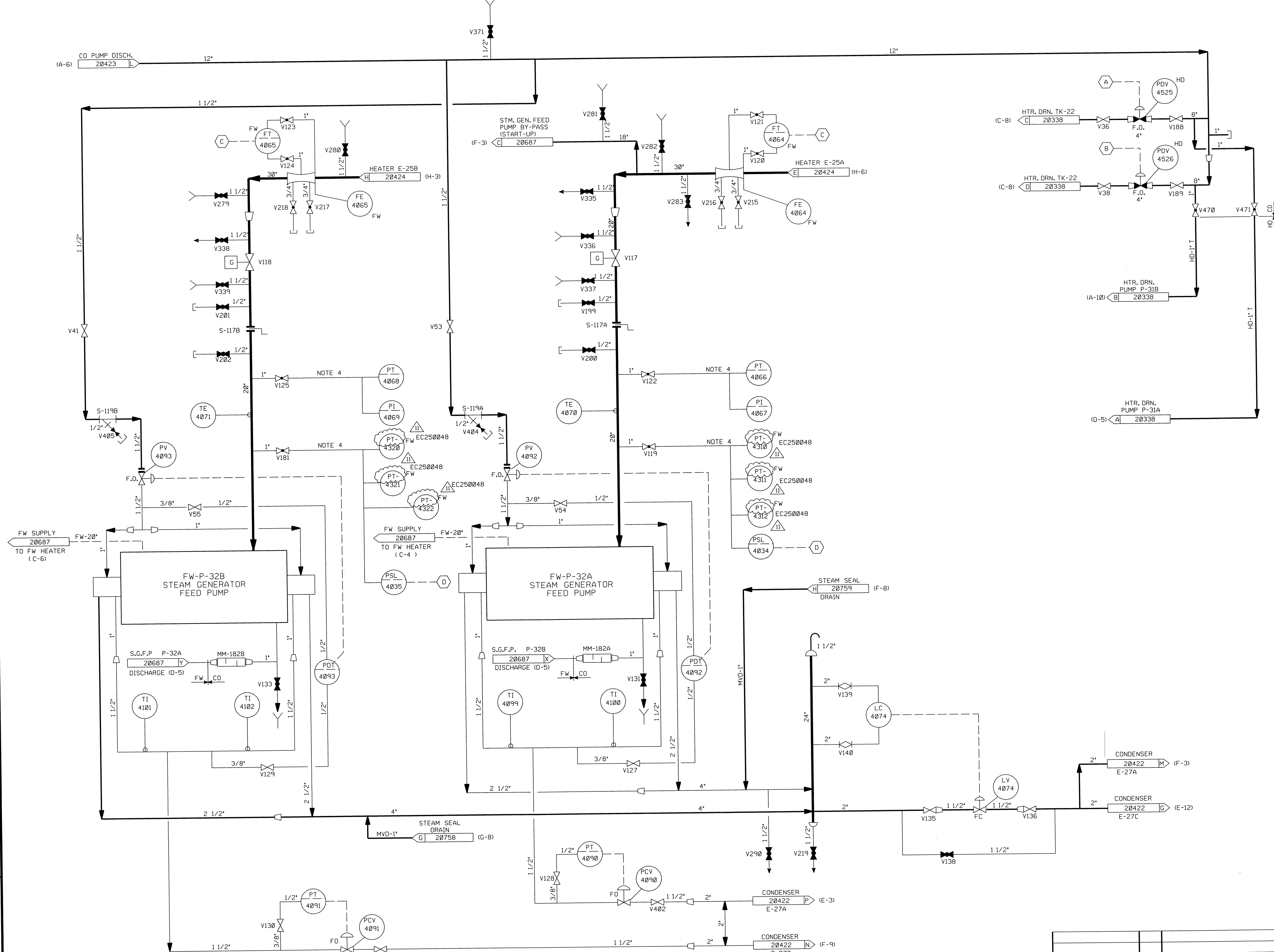
11	11/11/00	BCS	JW	CH	INCORP EC250048
10	11/11/00	MPW	MRB	STB	INCORP MMOD 99-511 DCN 00
9	8/11/94	MRB	BCL	GRM	INCORP MMOD 92-553 CA01
8	11/16/92	MRB	BCL	IW	INCORP MMOD 91-552 CA0 & DCR 91040 CA1
7	4/20/92	MRB	BCL	RRB	INCORP MMOD 91-622 CA0
6	9/17/91	MRB	JM	IW	INCORP. MMOD 90-647 CA0
5	8/2/90	MRB	FCB	WFD	INCORP. DCR 89-47 CA14
4	5/5/89	MRB	GPM	GRM	REVISED NOTES 2,3&5, PIPING TO CLARIFY DUPLICATION OF ASSOC. SYSTEMS & INTERFACES, ADDED CONT. COORDS.
3	3/4/87	OPD	MRJ	RRC	REVISED CONTINUATION REFERENCE, ADDED P&ID LEGEND REF NOTE.
2	9/17/86	BCL	MAP	RRC	ADDED DRAIN & VENT SYMBOLS, ADDED CONTINUATION REFERENCES, REV'D TO INC. PIPING ERECTION ISO. 1-CO-4049-57
1	5/16/86	OPD	JDM	WFD	ADDED CONTINUATIONS & NOTE 6.
0	1/13/86	DWS	TAK	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION


SEABROOK STATION

CONDENSATE SYSTEM
DETAIL

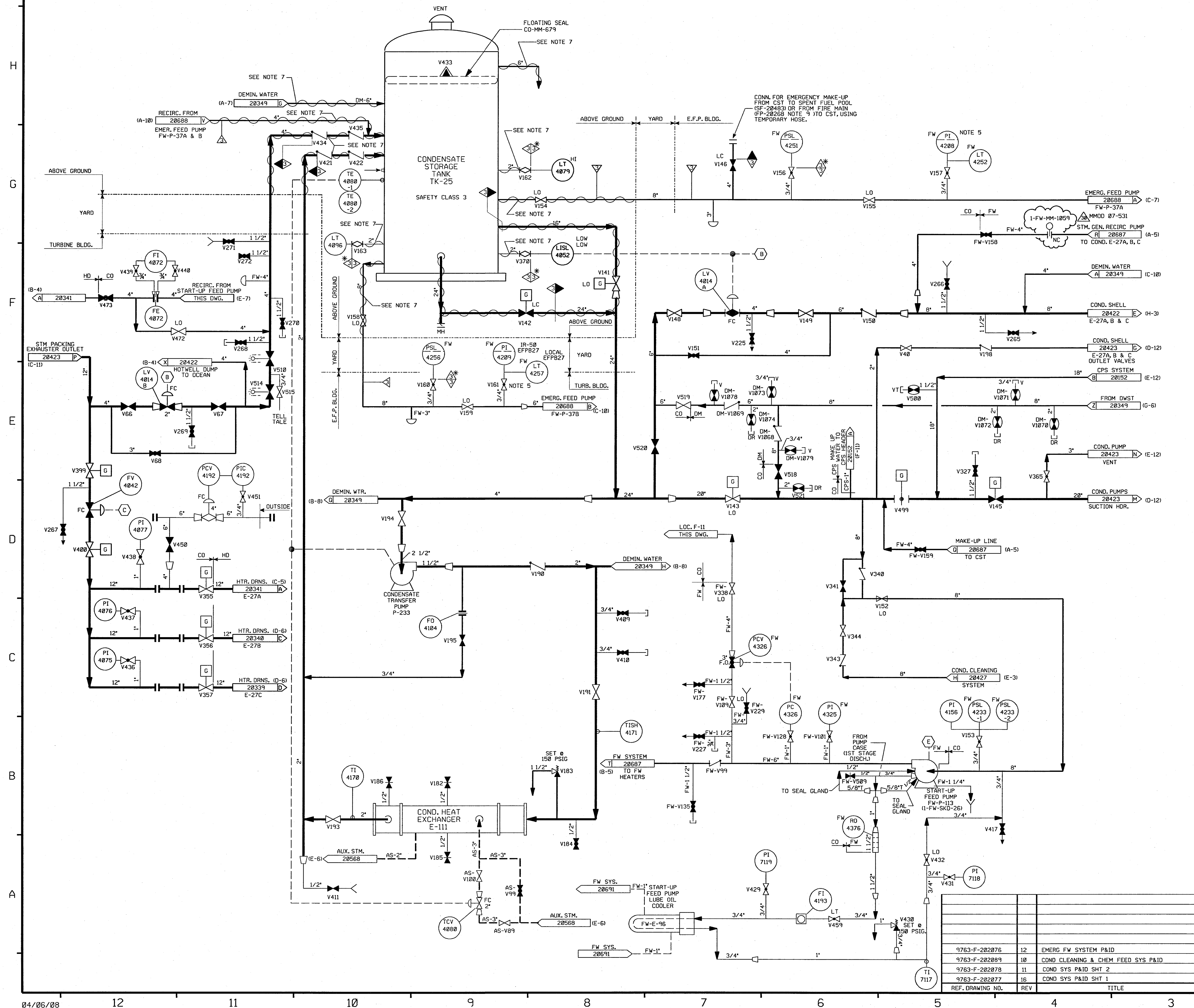
PID-1-CO-B20425

9763-F-202083	14	HTR, DRN, SYS. P&ID SHT. 2 OF 2
9763-F-202089	10	COND. CLEANING & CHEM. FEED SYS. P&ID
9763-F-202078	11	COND. SYS. P&ID SHT. 2
9763-F-202077	16	COND. SYS. P&ID SHT. 1
REF. DRAWING NO.	REV	TITLE



PID-1-CO-B20426

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



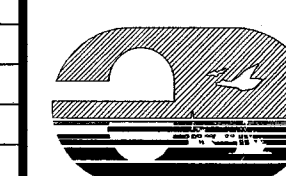
- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20420, 20422, 20423, 20424, 20425 & 20427.
 2. ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX CO, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NWS, UNLESS NOTED OTHERWISE.
 4. INSTRUMENTATION REFERENCES:
 (B) TO COND. HOTWELL, 1-CO-LT-4010, 4011, 4012 DWG 20422.
 (C) TO STEAM PACKING EXHAUSTER VENTURI, 1-CO-FT-4042 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

30	4/25/08	JM	BS	DM	INCORP MMOD 07-531 DCN 00
29	3/14/07	BCS	JM	RRB	INCORP MSE 06-132 REV. 0
28	11/1/06	JM	BCS	RRB	INCORP MMOD 03-504 DCN 00
27	4/30/05	BCS	JM	DJM	INCORP DCR 97-013 DCN 00, 174 INCORP DCR 04-004 DCN 00 & 06
26	11/24/03	BCS	MPW	HWM	INCORP CR 03-05429
25	10/14/03	MPW	BCS	SAK	PARTIAL INCORP. DCR 97-013 DCN 00
24	7/11/02	MPW	JM	IW	INCORP DCR 95-038 DCN 00 & 38 MMOD 00-533 DCN 00
23	3/14/02	JM	MPW	DJM	INCORP MSE 00-189 REV. 0
22	10/01/01	BCS	MPW	DJM	INCORP MSE 00-233 REV. 0
21	6/9/99	DWS	RWS	DJM	INCORP MMOD 97-618 DCN 00
20	1/2/98	DRL	MPW	VWS	INCORP MMOD 96-550 DCN 02
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

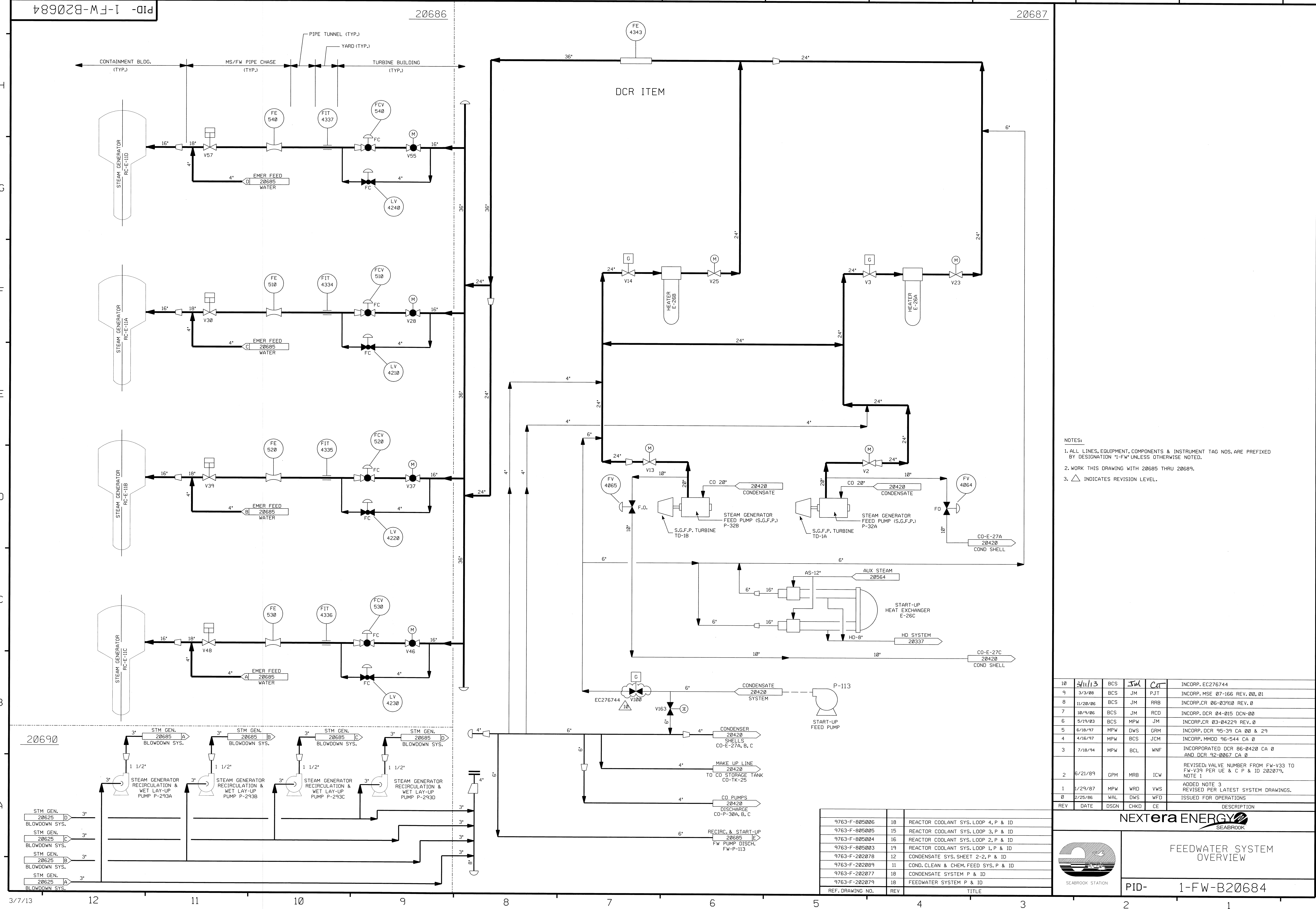
Seabrook Station

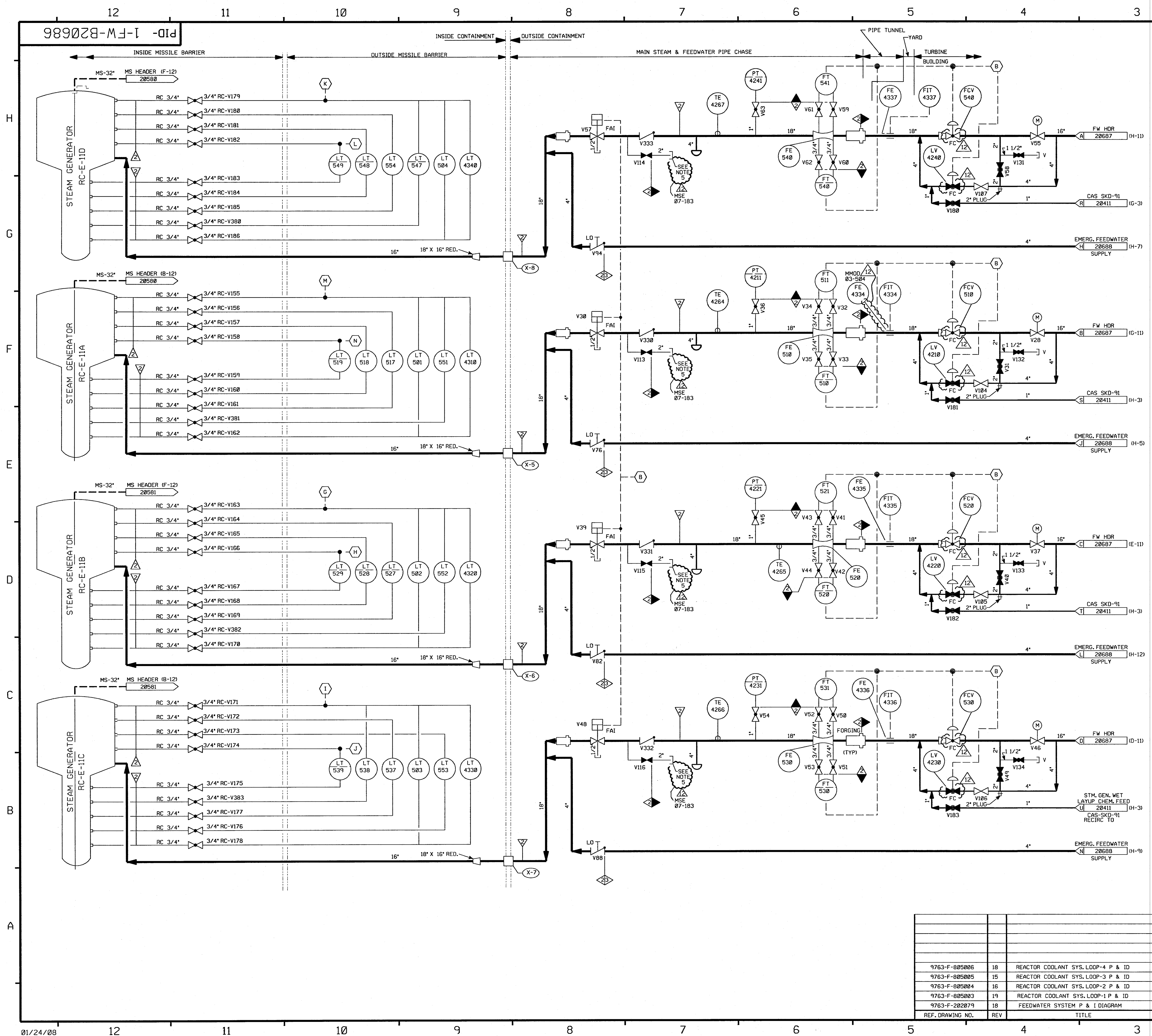


CONDENSATE SYSTEM
DETAIL

PID- 1-CO-B20426

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



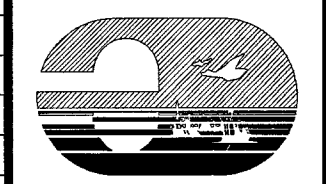


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS P&ID-LEGEND 1 AND P&ID-LEGEND 2.

- NOTES:
1. 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-20581
 - (H) TO FT-522 ON DWG. 1-MS-20581
 - (I) TO FT-533 ON DWG. 1-MS-20581
 - (J) TO FT-532 ON DWG. 1-MS-20581
 - (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-NHY-000111 UNLESS NOTED OTHERWISE.
 5. CONNECTION USED FOR PRE-PLANNED MAKEUP STRATEGY. SEE FPS9989.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

12	1-31-08	JM	GPS	qyf	INCORP. MMOD 03-504 DCN 00, MSE 07-183 REV 00 & CHANGED VALVE SYMBOLS
11	11/8/00	BCS	MPW	ARB	INCORP. DCR 98-31 DCN 00
10	4/27/99	RWS	BCS	HWM	INCORP. DCR 96-0028 DCN 00
9	6/02/98	DRL	BCS	VNS	INCORP. MMOD 97-521 DCN 00
8	11/27/95	MPW	BCS	HWM	INCORP. DCR 95-42 CA0
7	7/19/94	BCL	DWS	WHF	INCORP. MMOD 92-67 CA0
6	3/11/94	MRB	BCL	GRM	INCORP. MMOD 92-553 CA01
5	4/20/92	MRB	BCL	RRB	INCORP. MMOD 91-515 CA0
4	9/27/88	GPM	APL	---	REVISED: PIPING TO CLARIFY DUPLICATION OF ASSOCIATED SYSTEMS AND INTERFACES. LOC OF CLASS BREAK FOR CLARIFICATION. DELETED INNS-1 CL BOUNDARY. CORRECTED INSTR CONN PER REVIEW OF DWG 0802008. ADDED LEGEND NOTE & CONT DWG CORR'S. UPDATED REF DWG REV'S.
3	11/4/86	JDM	WRD	RRR	REV'D TO REFLECT AS-BUILT CONFIG.
2	8/22/86	JDM	WRD	PHH	ECA 05/103386B
1	6/16/86	TAK	DWS	RRR	ISSUED FOR OPERATIONS
0	2/24/86	WAL	DWS	WFD	
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

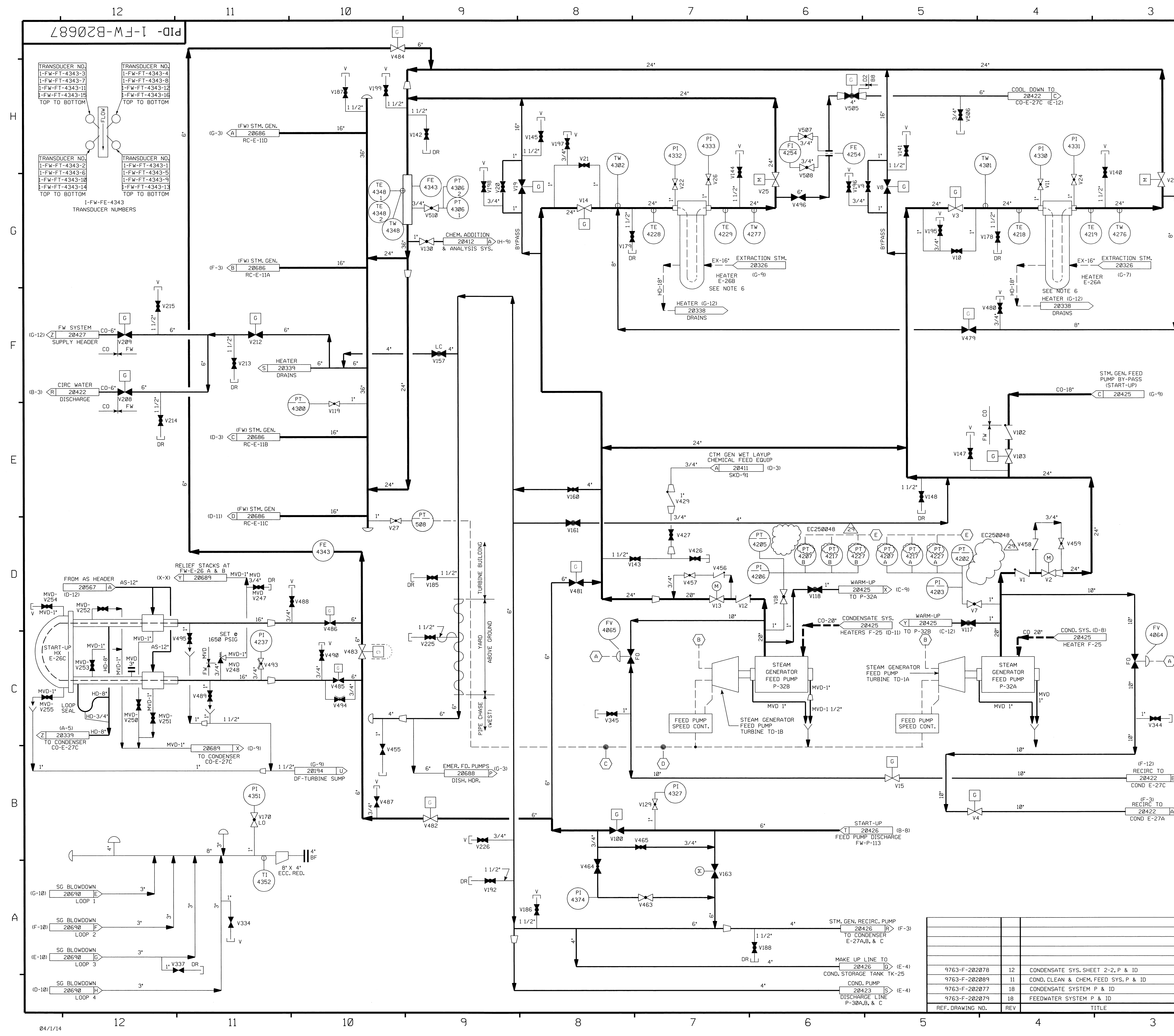
**FPL ENERGY**

Seabrook Station

FEEDWATER SYSTEM
DETAILS

PID-1-FW-B20686

9763-F-805006	18	REACTOR COOLANT SYS. LOOP-4 P & ID
9763-F-805005	15	REACTOR COOLANT SYS. LOOP-3 P & ID
9763-F-805004	16	REACTOR COOLANT SYS. LOOP-2 P & ID
9763-F-805003	19	REACTOR COOLANT SYS. LOOP-1 P & ID
9763-F-202879	18	FEEDWATER SYSTEM P & I DIAGRAM
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:

- WORK THIS DRAWING WITH 20684 THRU 20686 & 20688, 20689 & 20990.
- ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "FW", UNLESS OTHERWISE NOTED.
- 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
- ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS OTHERWISE NOTED.
- △ INDICATES REVISION LEVEL.
- FOR OTHER NOZZLES ON HEATERS 1-FW-E-26A&B SEE PID'S:
 EX-20326
 FW-20689
 HD-20338
 MD-20475

29	4/12/07	BCS	JM	OP	INCORP EC250048
28	3/11/13	BCS	JM	CTT	INCORP EC276744
27	7/29/08	GPS	JM	DOD	INCORP CR 08-08259 & REINFORC DCR 95-0039 CA 00
26	4/25/08	JM	BCS	DJM	INCORP MMOD 07-531 DCN 00
25	3/3/08	BCS	JM	PJT	INCORP MSE 07-166 REV. 00, 01
24	11/28/06	BCS	JM	RRB	INCORP CR 06-03910 REV. 0
23	10/09/06	BCS	JM	RCD	INCORP DCR 04-805 DCN 00
22	12/1/05	BCS	JM	HWM	INCORP MMOD 05-518 DCN-03
21	2/14/02	MPW	BCS	DJM	INCORP ECA 73/5270A
20	10/6/00	DWS	MPW	JCM	INCORP MMOD 980694 DCN#00
19	4/11/99	RWS	BCS	MKC	INCORP DCR 97-0044 DCN 00
18	2/23/99	BCS	DWS	MKC	INCORP MMOD 98-636 DCN-00
17	9/16/97	BCS	MPW	GG	INCORP MMOD 96-594 DCN-0
16	7/17/97	MPW	BCS	GRM	INCORP DCR 95-39 DCN 49
15	6/18/97	MPW	DWS	JRM	INCORP DCR 95-39 CA 29 & DCN 39
14	4/16/97	MPW	BCS	GRM	INCORP MMOD 96-544 CA0
13	12/2/95	MPW	BCS	RJF	INCORP DCR 95-39 CA 0, 1 & 6
12	7/18/94	MPW	BCL	JCM	INCORP DCR 86-420 CA 0
11	4/5/93	MRB	DWS	JCM	INCORP MMOD 92-553 CA0
10	10/27/92	MRB	BCL	IW	INCORP DCR 91-57 CA0
9	9/2/92	MRB	DWS	DJM	INCORP MMOD 90677 CA 5
8	4/28/92	DWS	BCL	DJM	INCORP MMOD 90677 CA 1, 2 & 3
7	9/25/91	GPM	JM	DJM	INCORP DCR 91-049 CA0 PARTIAL INCORP. OF MMOD 90-677 CA0 REVISED NOTES 1, 2, 3 & 4
6	5/30/91	MRB	RMC	IW	INCORPORATED MMOD 90-588 CA0
5	3/29/90	MRB	APL	RSG	INCORPORATED DCR 89-21 CA REVISED INSTR. PER SIS VERIFICATION
4	10/30/87	MPW	BCL	PAS	REV'D; NOTE 2.4 DWG. CONT. DELETED; DUPLICATED VALVES, PIPING & ECA IN ILSUPERCEDED BY DCR 86-420
3	5/14/87	MPW	DWS	MJY	INCORP DCR 87-176
2	10/9/86	PAL	MAP	RRC	REVISED PER UE&C P&ID, ADDED NOTE 5, REVISED TO CLARIFY DUPLICATION OF SYSTEMS, REINFORC. ECA 99/112343A, ADDED LOCA DESIGNATION TO CONTINUATIONS, REV'D SIZE OF FV-4064 & FV-4065 FROM 6" TO 10", DELETED VENTS V136(137,138,139) PER ECA 19/113318E, EXPANDED SB INTAKE HEADER AREA FOR CLARITY.
1	6/28/86	DWS	JDM	RRC	INCORP. ECA 19/082790 99/112343A AND 99/116083A, CORRECTED PUMP NO. 298 PRY'D CHANGE ITEM #1 PER 202079 REV. 18
0	02/24/86	WAL	DWS	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

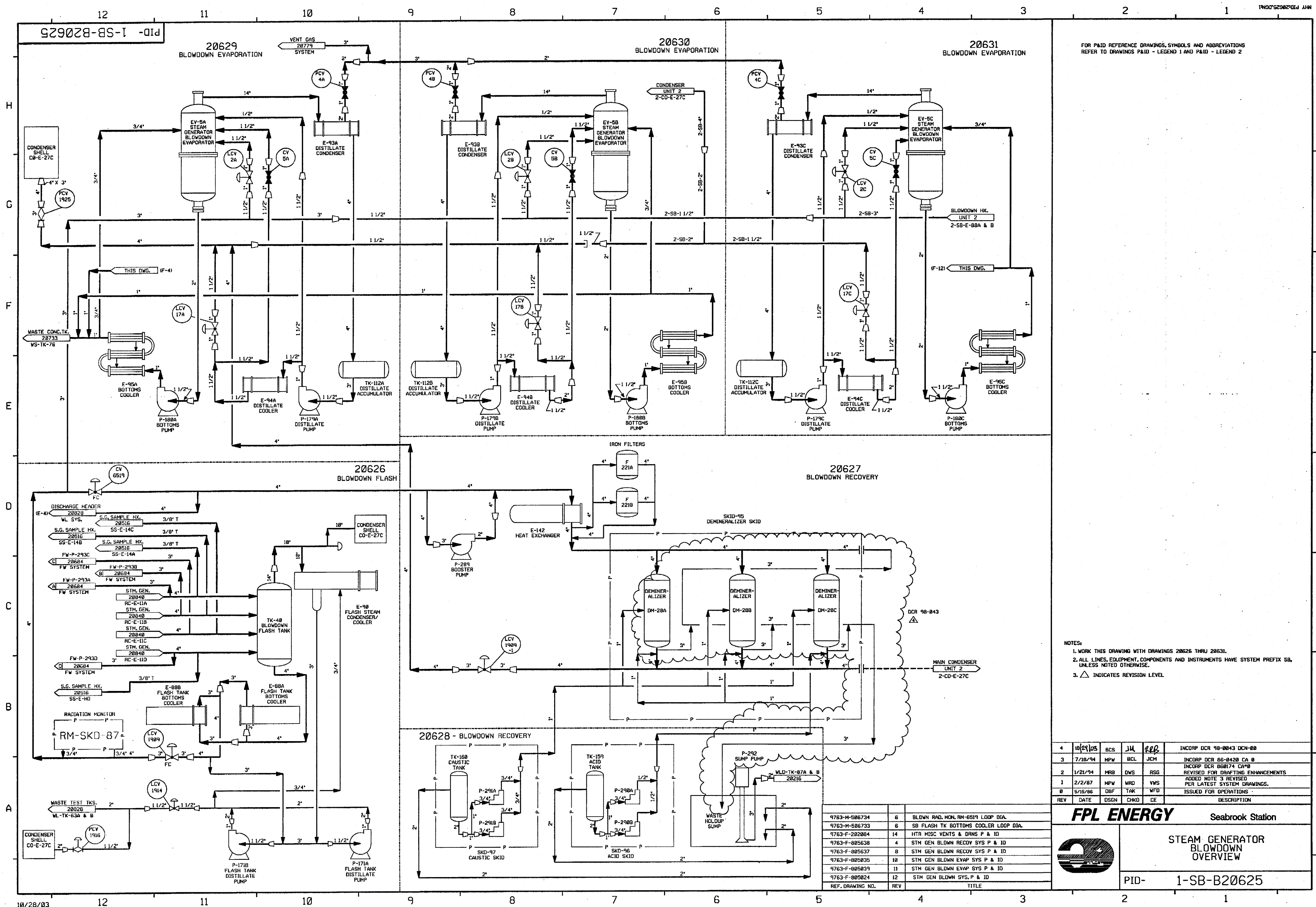
NEXTERA ENERGY
SEABROOK

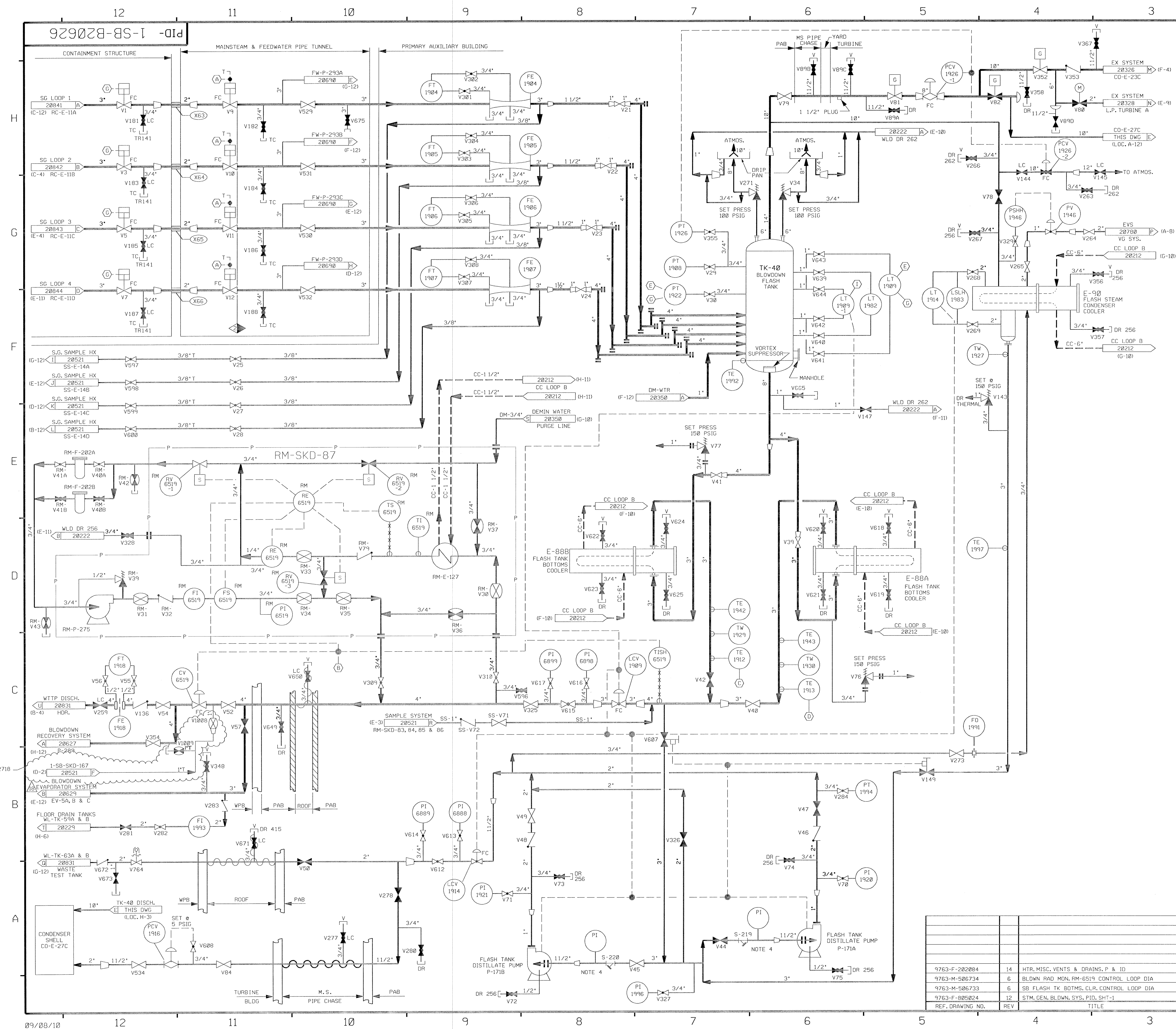


FEEDWATER SYSTEM
DETAILS

PID- 1-FW-B20687

REF. DRAWING NO.	REV	TITLE
9763-F-202078	12	CONDENSATE SYS. SHEET 2-2, P & ID
9763-F-202089	11	COND. CLEAN & CHEM. FEED SYS. P & ID
9763-F-202077	18	CONDENSATE SYSTEM P & ID
9763-F-202079	18	FEEDWATER SYSTEM P & ID






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 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 NNS UNLESS NOTED OTHERWISE.
 4. PROVIDE 3/4" PRESSURE TAP & PLUG FOR P.I.S. START-UP ENGINEERING TO PROVIDE PIPING, VALVES & P.I.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-005111, UNLESS NOTED OTHERWISE.
 7. INSTRUMENT REFERENCES:
 - (A) FROM EMERGENCY FEEDWATER PUMPS, CLOSE SIGNAL TO SB-V9 THRU SB-V12.
 - (B) FROM RM-RM-6510 THRU 6519 INTERLOCK, DWG 20519 & RM-RM-6519.
 - (C) TO TCV-1912 (SB-E-88B OUTLET) ON DWG 20212.
 - (D) TO TCV-1913 (SB-E-88A OUTLET) ON DWG 20212.
 - (E) TO TCV-1922 (SB-E-90 OUTLET) ON DWG 20212.
 - (F) HI HI PR & HI HI LEVEL DN TK-40 TO SHUT SB-V1, V3, V5 & V7.
 - (I) TO LCV-1909-1 ON DWG 20627.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

18	9/9/10	BCS	MW	SAK	INCORP. EC*12718
17	5/4/10	JM	MW	SAK	PARTIAL INCORP. EC*12718
16	8/16/07	BCS	JM	TAS	INCORP. DCR 06-010 DCN-00
15	2/2/05	BCS	JM	RRB	INCORP. CR 04-12557 REV. 00
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

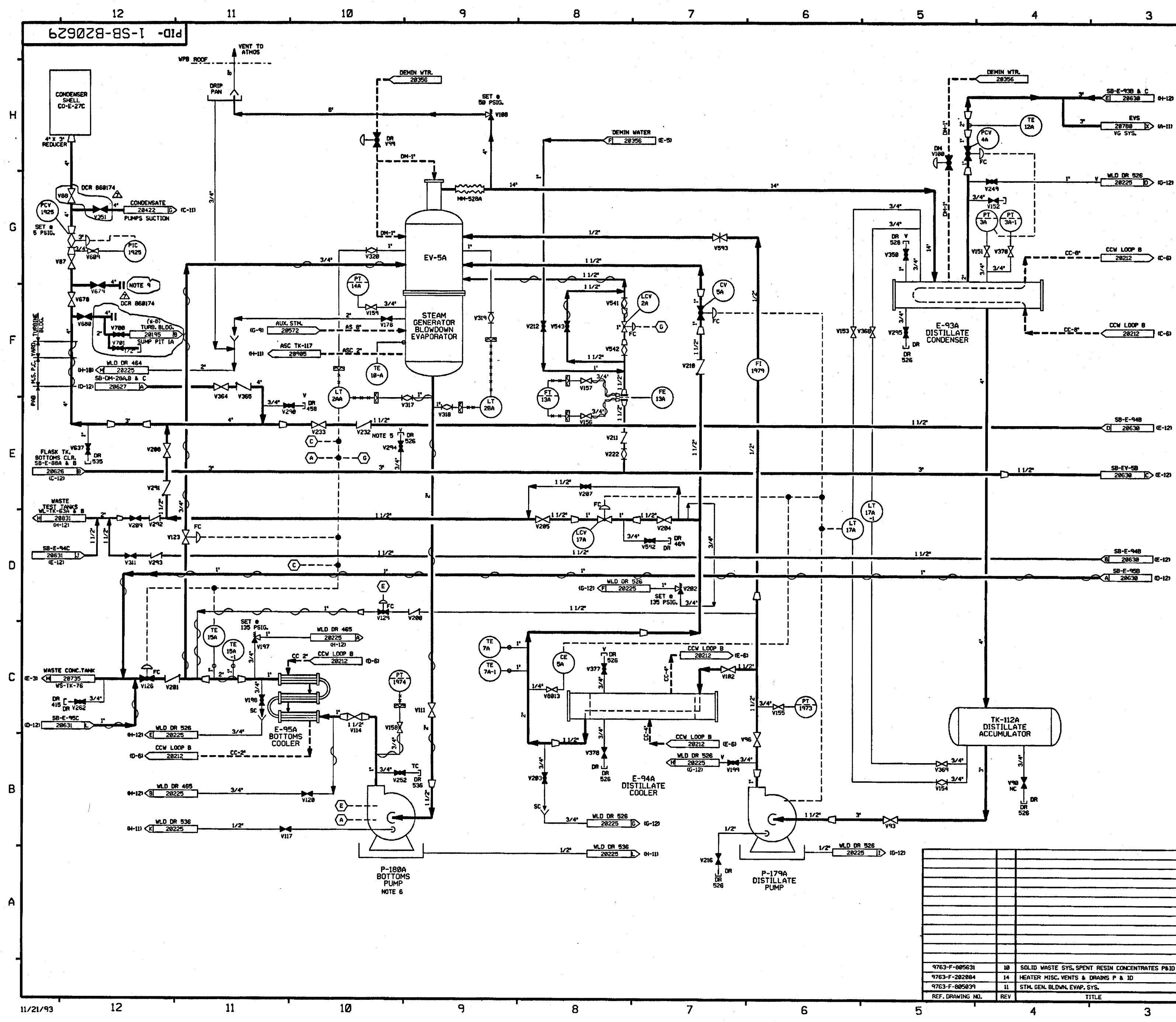


SEABROOK STATION

STEAM GENERATOR BLOWDOWN
(BLOWDOWN FLASH)
DETAIL

PID- 1-SB-B20626

9763-F-202084	14	HTR, MISC. VENTS & DRAINS, P. & ID
9763-M-506734	6	BLOWN RAD. MON. RM-6519 CONTROL LOOP DIA
9763-M-506733	6	SB FLASH TK. BOTMS. CLR. CONTROL LOOP DIA
9763-F-805824	12	STM. GEN. BLOWN. SYS. PID. SHT-1
REF. DRAWING NO.	REV	TITLE



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-188A
 - (B) HIGH E-95A OUTLET TEMP., HIGH WS-TK-76 LEVEL AND LOW DISCHARGE EV-5A INTERLOCK.
 - (C) DISTILLATE FLUSH V123, P-188A.
 - (D) EV-5A HI HI LVL. LCV-2A INTERLOCK.
 - (E) CONNECTION FOR TEMPORARY CST FILL LINE.

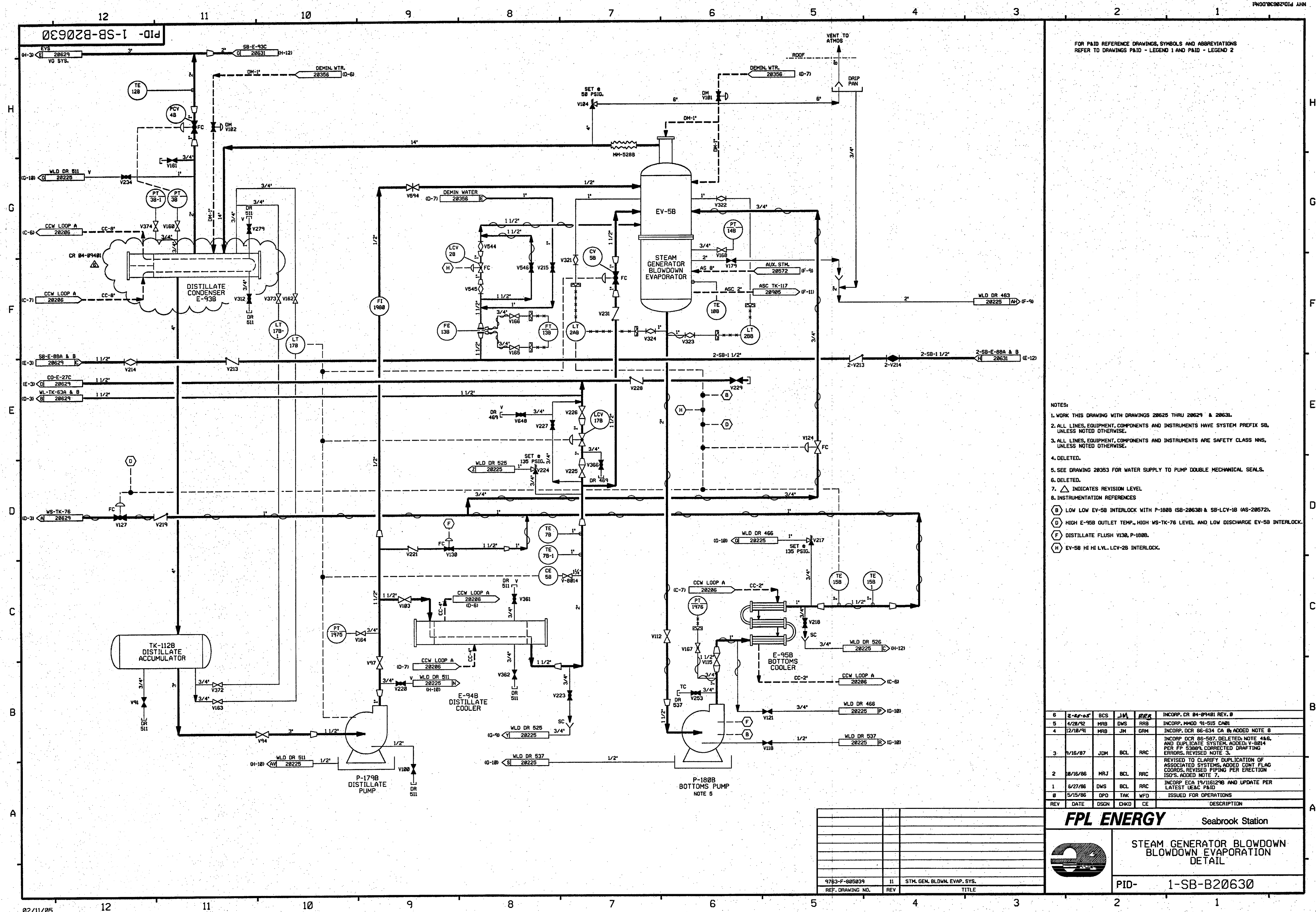
7	11/25/86	BCL		PLD	MLD	RSB	INCORP DCR 868174 CAPS
6	4/28/92	DWS		BCL	MRB	RSB	INCORP. MMD 98-616 CAP
5	12/18/91	MRB	FCB	JM	GPM	GRM	INCORP. MMD 98-616 CAP AND DCR 86-634 CAPS ADDED NOTE 8
4	3/24/90	MRB	FCB	OSB	APL	DJM	INCORP. MMD 98-549 CAP2
3	9/16/87	MRJ	HEV	BCL	MPW	RRC	RESOLVED CHANGE ITEM 10, ADDED 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 EP-53889, REF CONT LOCATIONS CHANGE ITEM 1, BELUCATED RELIEF VALVE V188 AND V202 PER ERECTION ISO'S.
1	6/24/86	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

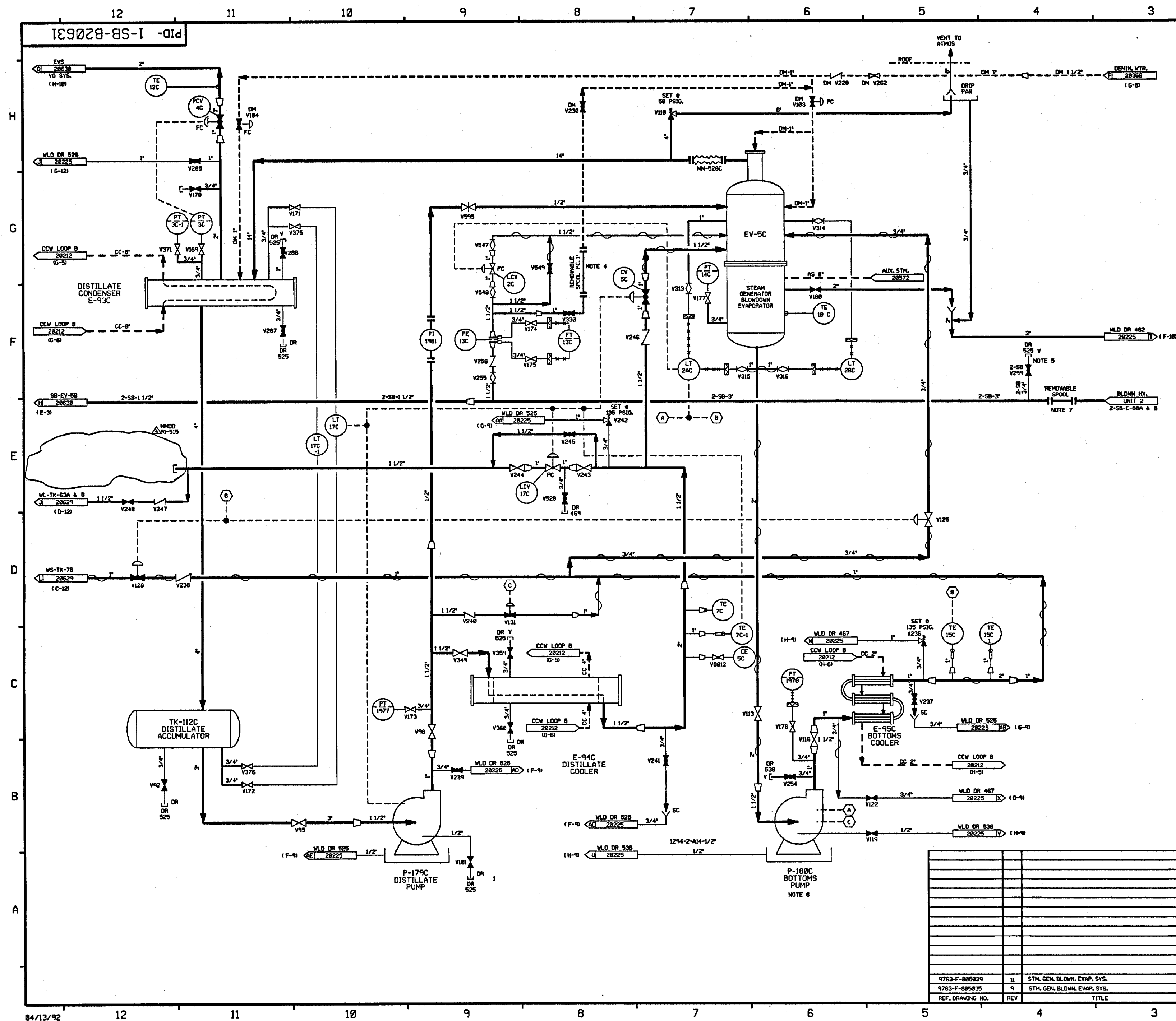
North Atlantic Energy Service Corporation

STEAM GENERATOR BLOWDOWN BLOWDOWN EVAPORATOR DETAIL

SEABROOK STATION PID- 1-SB-B20629

9763-F-005631	10	SOLID WASTE SYS. SPENT RESIN CONCENTRATES P&ID
9763-F-202084	14	HEATER MISC. VENTS & DRAINS P & ID
9763-F-805039	11	STM. GEN. BLOWN EVAP. SYS.
REF. DRAWING NDL	REV	TITLE





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 20638.
 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 20633 FOR WATER SUPPLY TO PUMP DOUBLE MECHANICAL SEALS.
 7. REMOVEABLE 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 WS-TK-76 LEVEL AND LOW LEVEL EV-5C INTERLOCK.
 - (C) DISTILLATE FLUSH V131, P-180C INTERLOCK.

REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
4	4/2/92	MRB		DWS	BCL	RIS	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. CORRECTED FLOW DIRECTION, ADDED V6812 & CONFIRMATION FLAG REFERENCES. ADDED NOTE 8.
1	6/23/86	DBF	MRB	VNK	JMCS	RRC	ADDED "DRY" DESIGNATIONS, HEAT TRACING & VALVE SIZE PER USAC. PAID REVIEW.
0	5/15/86	DBF	MRB	TAK	ASK	WFD	ISSUED FOR OPERATION

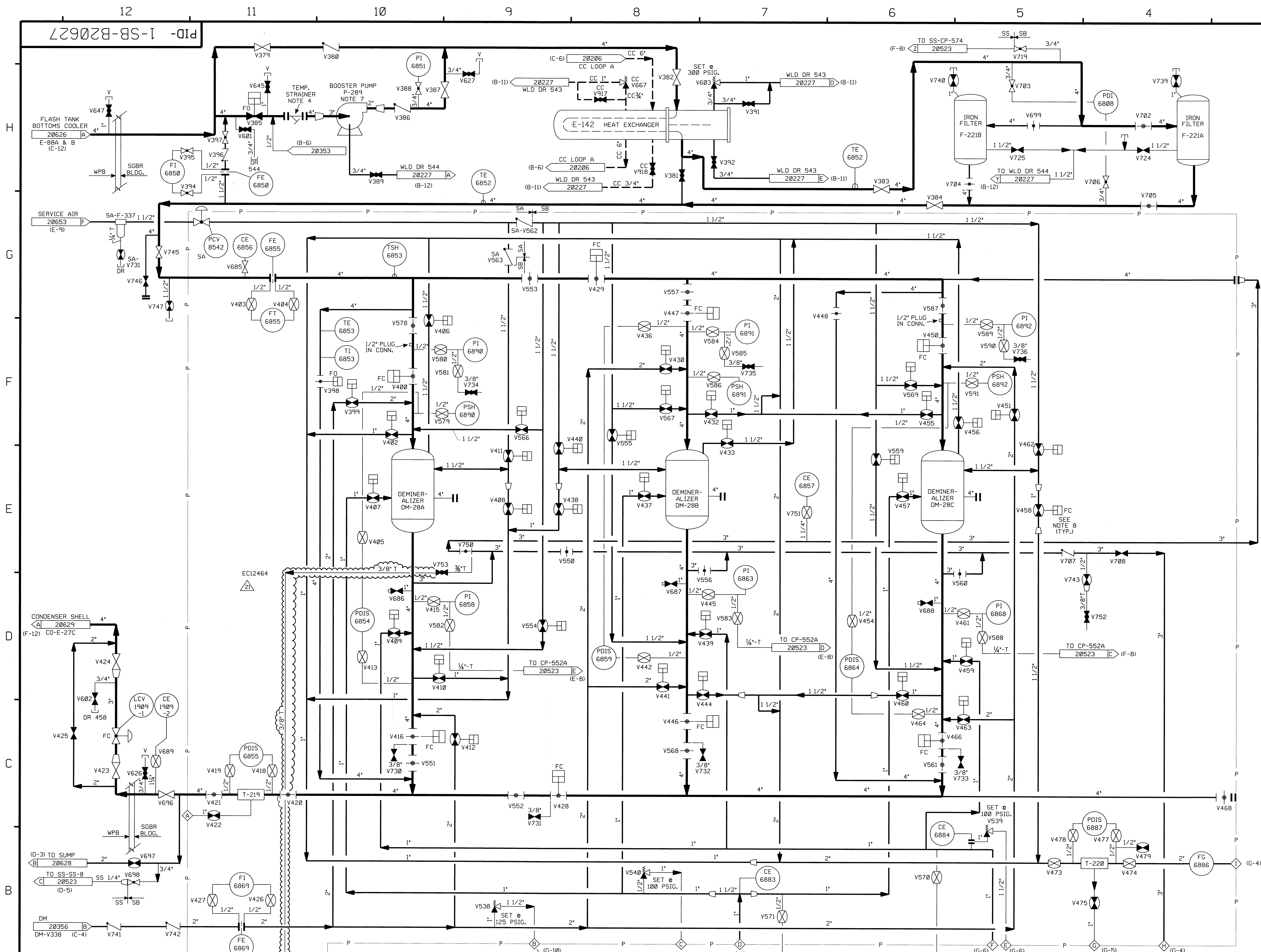
PUBLIC SERVICE OF NEW HAMPSHIRE

SEABROOK STATION

STEAM GENERATOR BLOWDOWN
BLOWDOWN EVAPORATION
DETAIL

PID- 1-SB-B20631


REF. DRAWING NO.	REV	TITLE
9763-F-805839	II	STM. GEN. BLDWN. EVAP. SYS.
9763-F-805835	9	STM. GEN. BLDWN. EVAP. SYS.



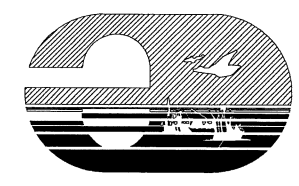
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS P&ID-LEGEND 1 & P&ID-LEGEND 2.

- 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.

21	2/20/13	BCS	JM	CIT	INCORP EC12464
20	2/11/09	JM	BCS	WAK	INCORP MSE 08-163, REV. 00, CR 01-03393 REV 00
19	8/21/01	BCS	MRB	RCP	INCORP MMOD 97-662 DCN-00
18	8/8/00	BCS	MPW	DEA	INCORP MSE 00-0095, REV. 0
17	8/3/00	DWS	BCS	JCM	INCORP DCR 980043 DCN*00_02 & 03
16	5/9/00	BCS	MPW	RSG	PARTIAL INCORP MSE 00-0095, REV. 0
15	5-16-96	BCS	MPW	DJM	INCORP MMOD 960547 CA*0
14	12-9-94	MPW	BCL	MHO	INCORP MMOD 930545 CA*0
13	6/3/94	BCL	DWS	JLD	INCORP DCR 930023 CA*0
12	1/21/94	DWS	MRB	RSG	INCORP DCR 860174 CA*0 & 2
11	2-8-93	BCL	MRB	RSG	INCORP DCR 920011 CA*01
10	8-26-92	DWS	BCL	RSG	INCORP DCR 910002 CA*13
9	8/3/92	DWS	BCL	GRM	FINAL INCORP DCR 910002 CA*1
8	7-16-92	MRB	BCL	RSG	INCORP DCR'S 86-538 CA*0, 04 AND 91-002 CA*01
7	4-30-92	DWS	BCL	RSG	INCORP MMOD 90-616 CA*0
6	4-15-92	MRB	BCL	RSG	INCORP MMOD 900540 CA4
5	3/23/92	MRB	BCL	RSG	INCORP MMOD 91-501 CA0 ADMINISTRATIVE UPDATE TO PROVIDE VALVE FAILURE MODES AS DESCRIBED IN APPR'D DCR 91-002 INCORPORATED DCR 87-235 CA0 REVISED NOTE 3, LINE SIZE PER PP 55166. PIPING CONFIGURATION PER UE & C P & ID 805638, PNEUMATIC VALVE SET POINT PER PP-55671 & DRAFTING ENHANCEMENTS. ADDED: CONTINUATION COORD'S. NOTED TEMP MOD 86-057, ADDED: NOTE 7 DELETED NOTE 6.
4	4/5/89	MRB	PAL	MJY	ADDED: CONTINUATION COORD'S.
3	10/14/87	MPW	MRJ	RRC	ADDED CONT LOC COORDS, 1 1/2" LINE SIZE TO DEMIN TK-28A OUTLET, PAID REF DWG NOTE & RES08-RES-01611 REF. DELETED REDUCER FROM P-289 DRN LINE, REV'D F1-6869 INSTR SYMBOL, CORRECTED TAGS V383 & V384 SHOWN REVERSED, CLARIFIED PIPING AROUND RELIEF VLV V539 & CE-6884.
2	10/16/86	CSB	WRD	RRC	ADDED: CHANGE ITEM 1, ADDED V8800 PNEUMATIC VALVE, ISSUED FOR OPERATION INCORP. ECA'S 19/106087A 99/114922A
1	7/8/86	DBF	DS	RRC	UPDATED UE & C REVS, ADDED NOTES 5 & 6, ADDED CHANGE ITEM 1.
0	5/15/86	DBF	TAK	WFD	ISSUED FOR OPERATION INCORP. ECA'S 19/106087A 99/114922A
REV	DATE	DSGN	CHKD	CE	DESCRIPTION



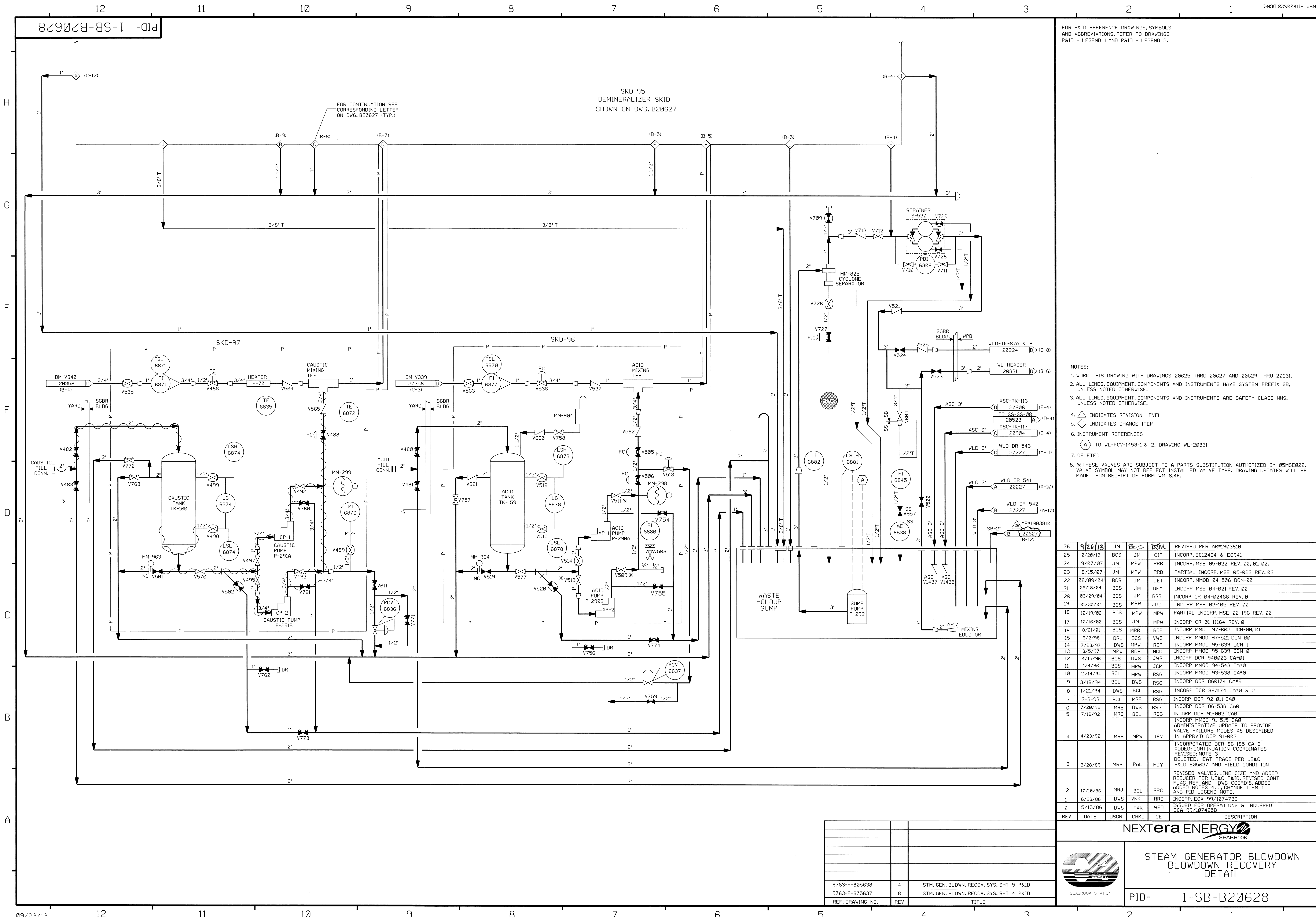
STEAM GENERATOR BLOWDOWN RECOVERY DETAIL



SEABROOK STATION

PID- 1-SB-B20627

REF. DRAWING NO.	REV	TITLE
9763-F-805637	8	STM. GEN. BLDWN. RECOV. SYS. SHT 4 P&ID
9763-F-805638	4	STM. GEN. BLDWN. RECOV. SYS. SHT 5 P&ID



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 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 NNS, UNLESS NOTED OTHERWISE.

4. INDICATES REVISION LEVEL.

5. INDICATES CHANGE ITEM.

6. INSTRUMENT REFERENCES

7. DELETED

8. * THESE VALVES ARE SUBJECT TO A PARTS SUBSTITUTION AUTHORIZED BY 05MSE022. VALVE SYMBOL MAY NOT REFLECT INSTALLED VALVE TYPE. DRAWING UPDATES WILL BE MADE UPON RECEIPT OF FORM WM 8.4F.

26	9/26/13	JM	BS	DWL	REVISED PER AR*1903810
25	2/20/13	BCS	JM	CIT	INCOMP. EC12464 & EC941
24	9/07/07	JM	MPW	RRB	INCOMP. MSE 05-022 REV. 00.01.02.
23	8/15/07	JM	MPW	RRB	PARTIAL INCOMP. MSE 05-022 REV. 02
22	08/09/04	BCS	JM	JET	INCOMP. MMOD 04-506 DCN-00
21	06/18/04	BCS	JM	DEA	INCOMP. MSE 04-021 REV. 00
20	03/29/04	BCS	JM	RRB	INCOMP. CR 04-02468 REV. 0
19	01/30/04	BCS	MPW	JGC	INCOMP. MSE 03-105 REV. 00
18	12/19/02	BCS	MPW	MPW	PARTIAL INCOMP. MSE 02-196 REV. 00
17	10/16/02	BCS	JM	MPW	INCOMP. CR 01-11164 REV. 0
16	8/21/01	BCS	MRB	RCP	INCOMP. MMOD 97-662 DCN-00.01
15	6/2/98	DRL	BCS	VWS	INCOMP. MMOD 97-521 DCN 00
14	7/23/97	DWS	MPW	RCP	INCOMP. MMOD 95-639 DCN 1
13	3/5/97	MPW	BCS	NCO	INCOMP. MMOD 95-639 DCN 0
12	4/15/96	BCS	DWS	JWR	INCOMP. DCR 940023 CA*01
11	1/4/96	BCS	MPW	JCM	INCOMP. MMOD 94-543 CA*0
10	11/14/94	BCL	MPW	RSG	INCOMP. MMOD 93-538 CA*0
9	3/16/94	BCL	DWS	RSG	INCOMP. DCR 860174 CA*9
8	1/21/94	DWS	BCL	RSG	INCOMP. DCR 860174 CA*0 & 2
7	2-8-93	BCL	MRB	RSG	INCOMP. DCR 92-011 CA0
6	7/20/92	MRB	DWS	RSG	INCOMP. DCR 86-538 CA0
5	7/16/92	MRB	BCL	RSG	INCOMP. DCR 91-002 CA0
4	4/23/92	MRB	MPW	JEV	INCOMP. MMOD 91-515 CA0 ADMINISTRATIVE UPDATE TO PROVIDE VALVE FAILURE MODES AS DESCRIBED IN APP'VD DCR 91-002
3	3/28/89	MRB	PAL	MJY	INCORPORATED DCR 86-185 CA 3 ADDED: CONTINUATION COORDINATES REVISED: NOTE 3 DELETED: HEAT TRACE PER UE&C P&ID 805637 AND FIELD CONDITION
2	10/10/86	MRJ	BCL	RRC	REVISED VALVES, LINE SIZE AND ADDED REDUCER PER UE&C P&ID. REVISED CONT FLAG REF AND DWG COORD'S. ADDED ADDED NOTES 4, 5, CHANGE ITEM 1 AND PID LEGEND NOTE.
1	6/23/86	DWS	VNK	RRC	INCOMP. ECA 99/107473D
0	5/15/86	DWS	TAK	WFD	ISSUED FOR OPERATIONS & INCORPORATED ECA 99/107473D
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

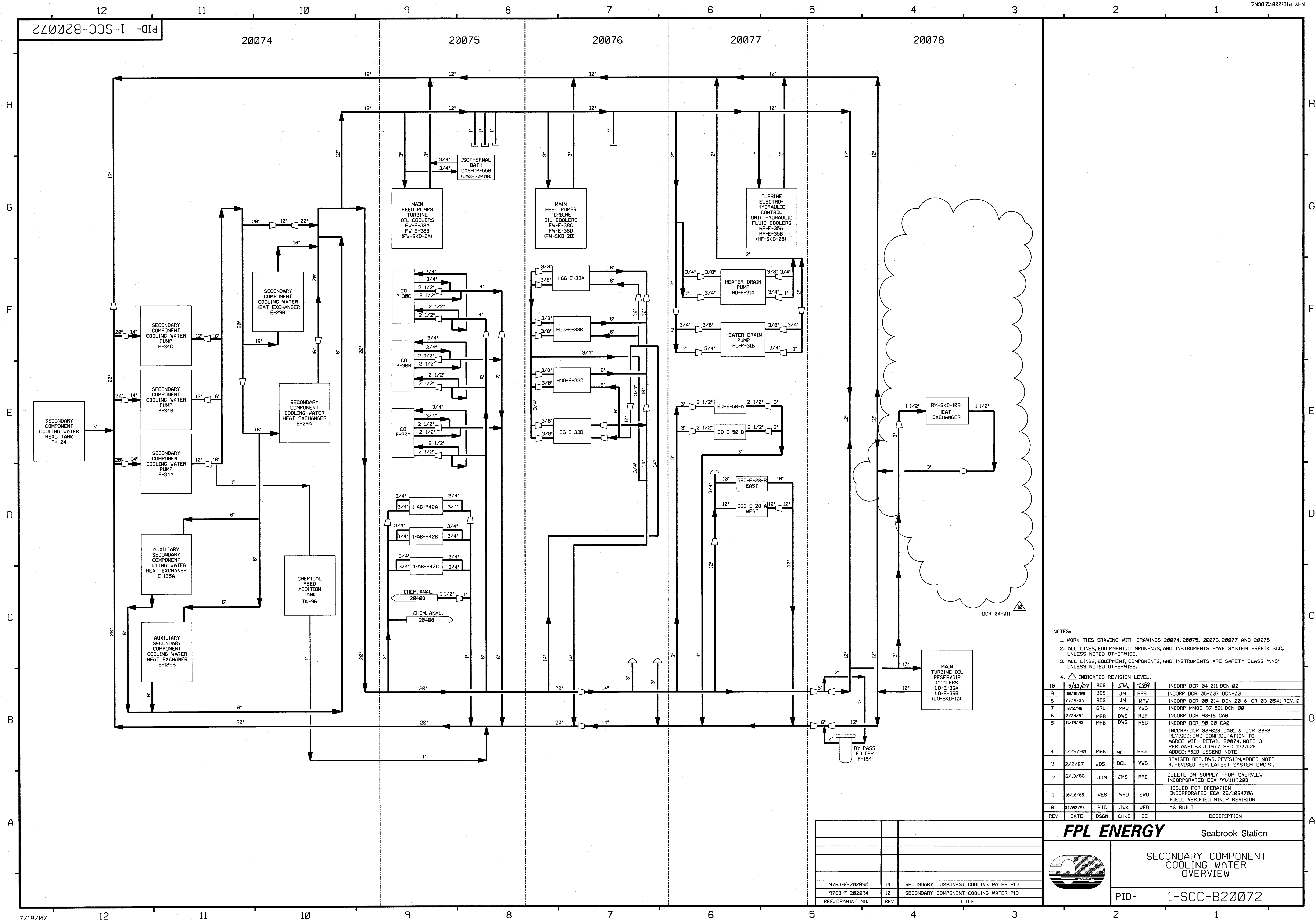
SEABROOK STATION

STEAM GENERATOR BLOWDOWN RECOVERY DETAIL
PID- 1-SB-B20628

9763-F-805638	4	STM. GEN. BLDWN. RECOV. SYS. SHT 5 P&ID
9763-F-805637	8	STM. GEN. BLDWN. RECOV. SYS. SHT 4 P&ID
REF. DRAWING NO.	REV	TITLE

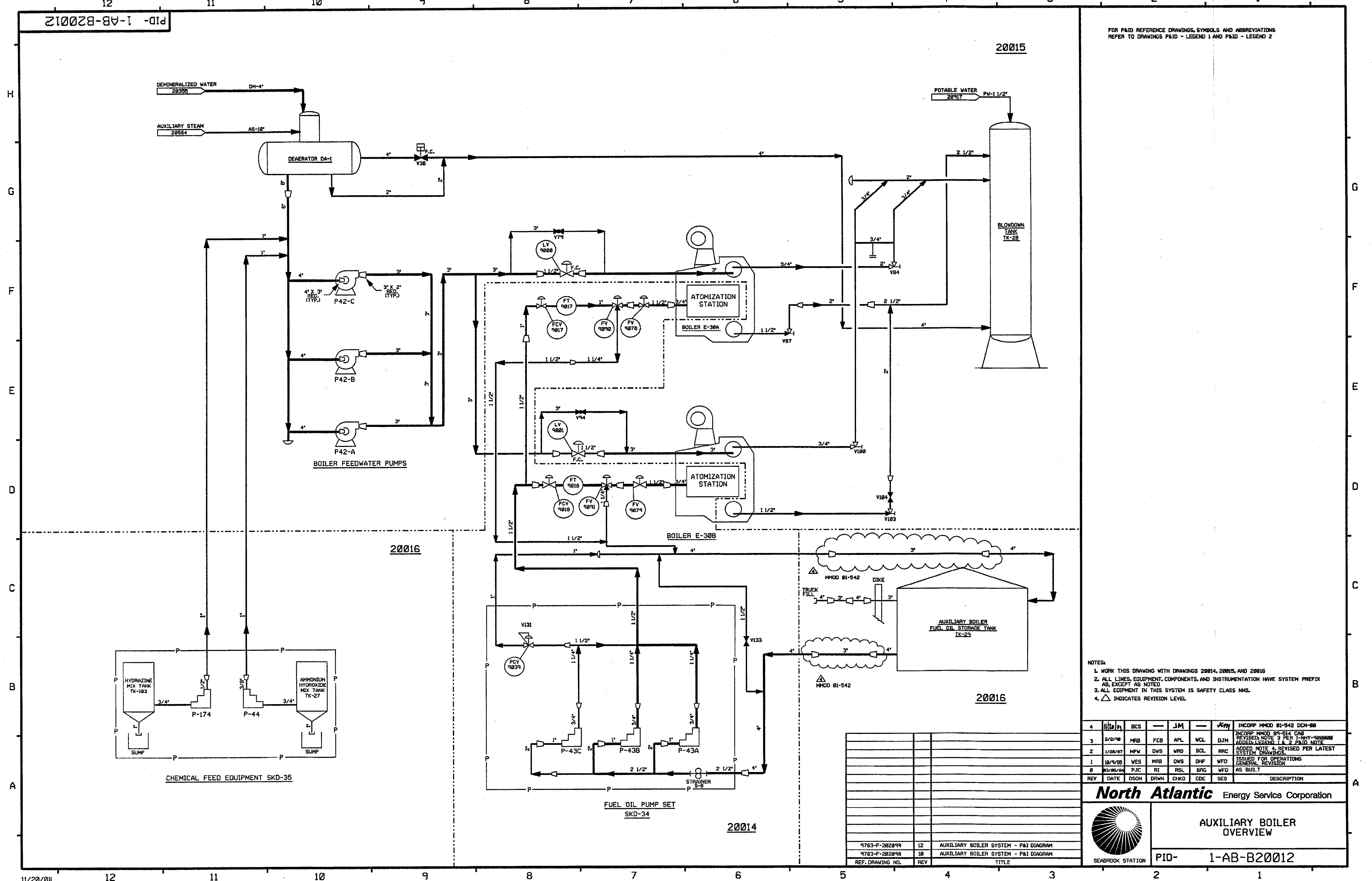
09/23/13

12 11 10 9 8 7 6 5 4 3 2 1



PID-1-AB-B20012

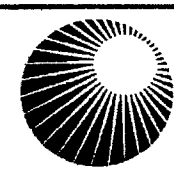
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2



- 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
1	10/9/85	YES	MRB	DWS	DHF	WFD	ISSUED FOR OPERATIONS
2	1/28/87	MPW	DWS	WRD	SCL	RRC	ADDED NOTE 4, REVISED PER LATEST SYSTEM DRAWINGS
3	2/2/98	MRB	FCB	APL	WCL	DJM	INCORP MMD 81-542, C&B
4	11/20/01	BCS	—	JM	—	—	INCORP MMD 81-542, C&B

North Atlantic Energy Service Corporation



AUXILIARY BOILER
OVERVIEW

PID- 1-AB-B20012

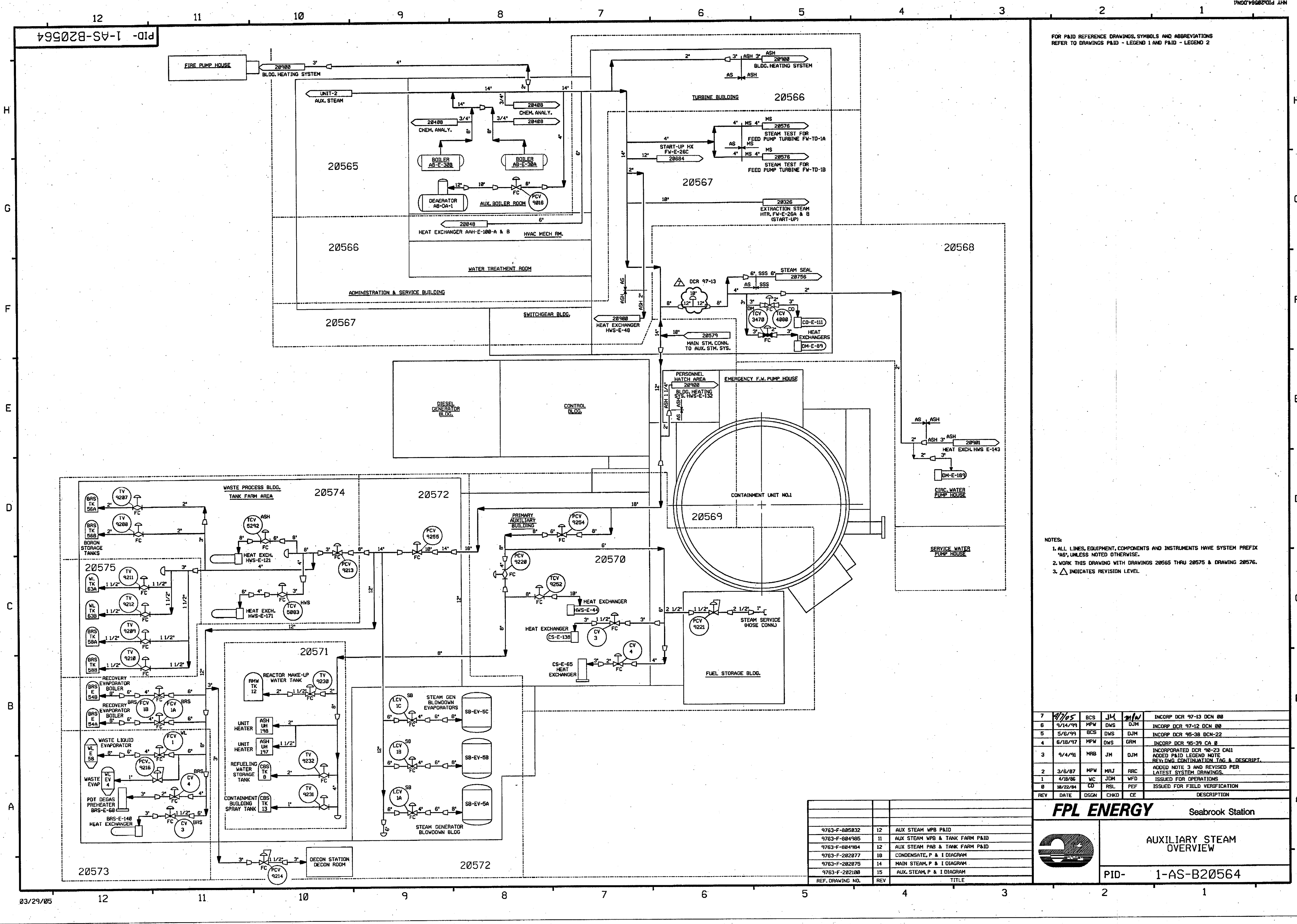
REF. DRAWING NO.	REV	TITLE
9763-F-202099	12	AUXILIARY BOILER SYSTEM - P&I DIAGRAM
9763-F-202098	10	AUXILIARY BOILER SYSTEM - P&I DIAGRAM

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
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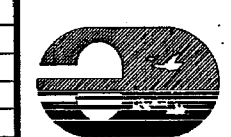
H
G
F
E
D
C
B
A



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 Dwg 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

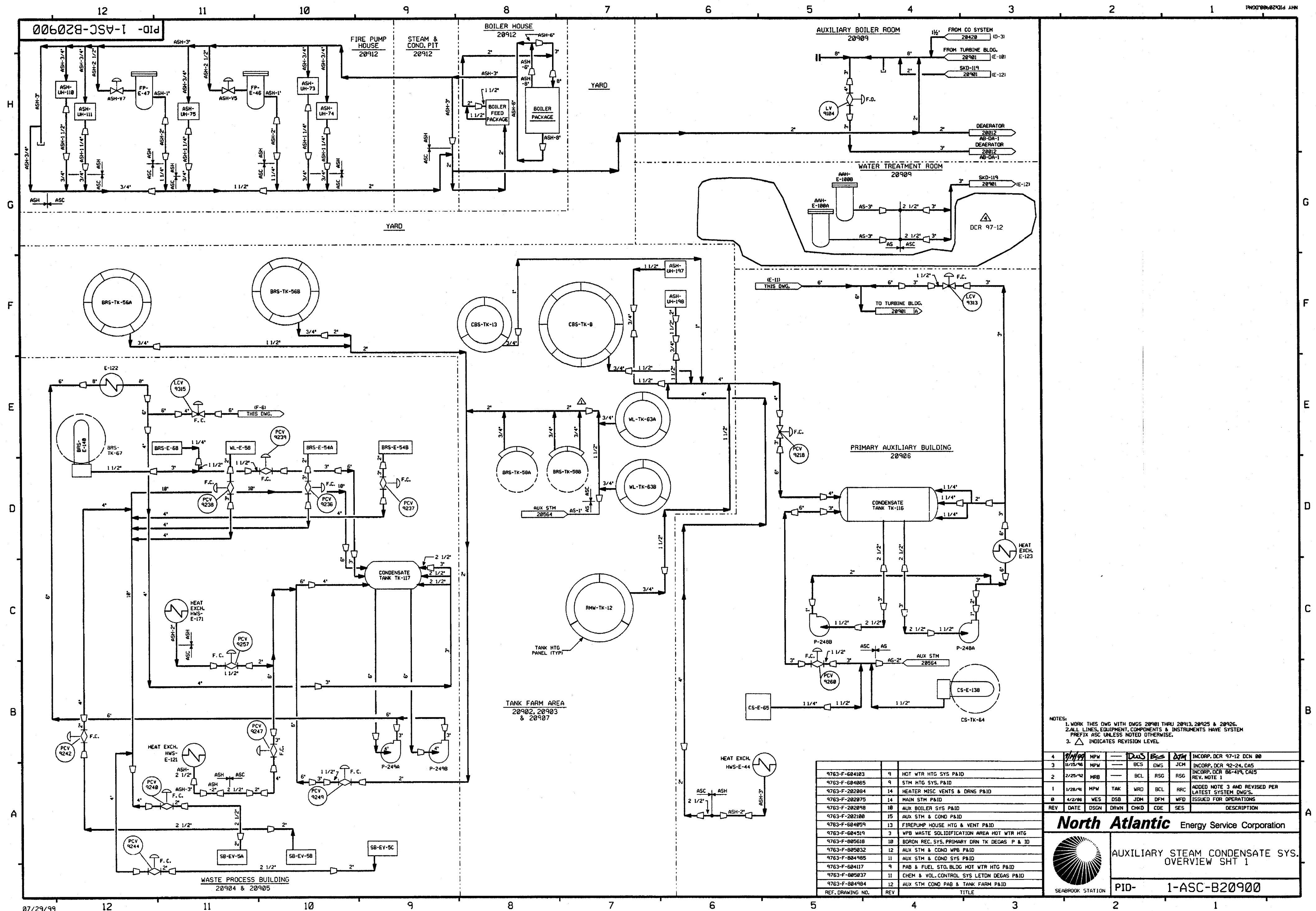
FPL ENERGY Seabrook Station



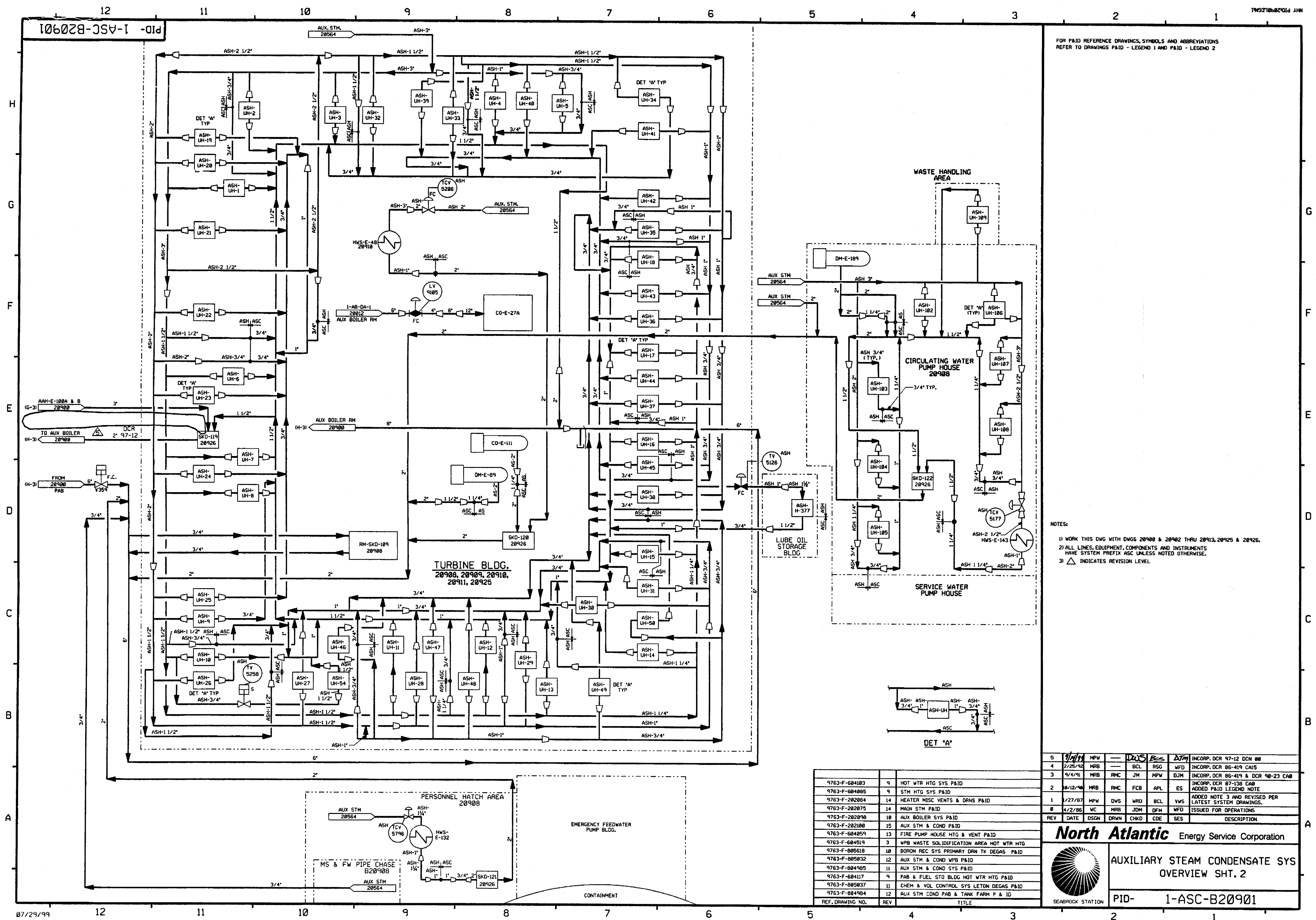
AUXILIARY STEAM
OVERVIEW

PID- 1-AS-B20564


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
REF. DRAWING NO.	REV	TITLE



12
PID - 1-ASC-B20901



NOTES:

- 1) WORK THIS DWG WITH DWGS 20900 & 20902 THRU 20913, 20925 & 20926.
- 2) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX ASC UNLESS NOTED OTHERWISE.
- 3)  INDICATES REVISION LEVEL

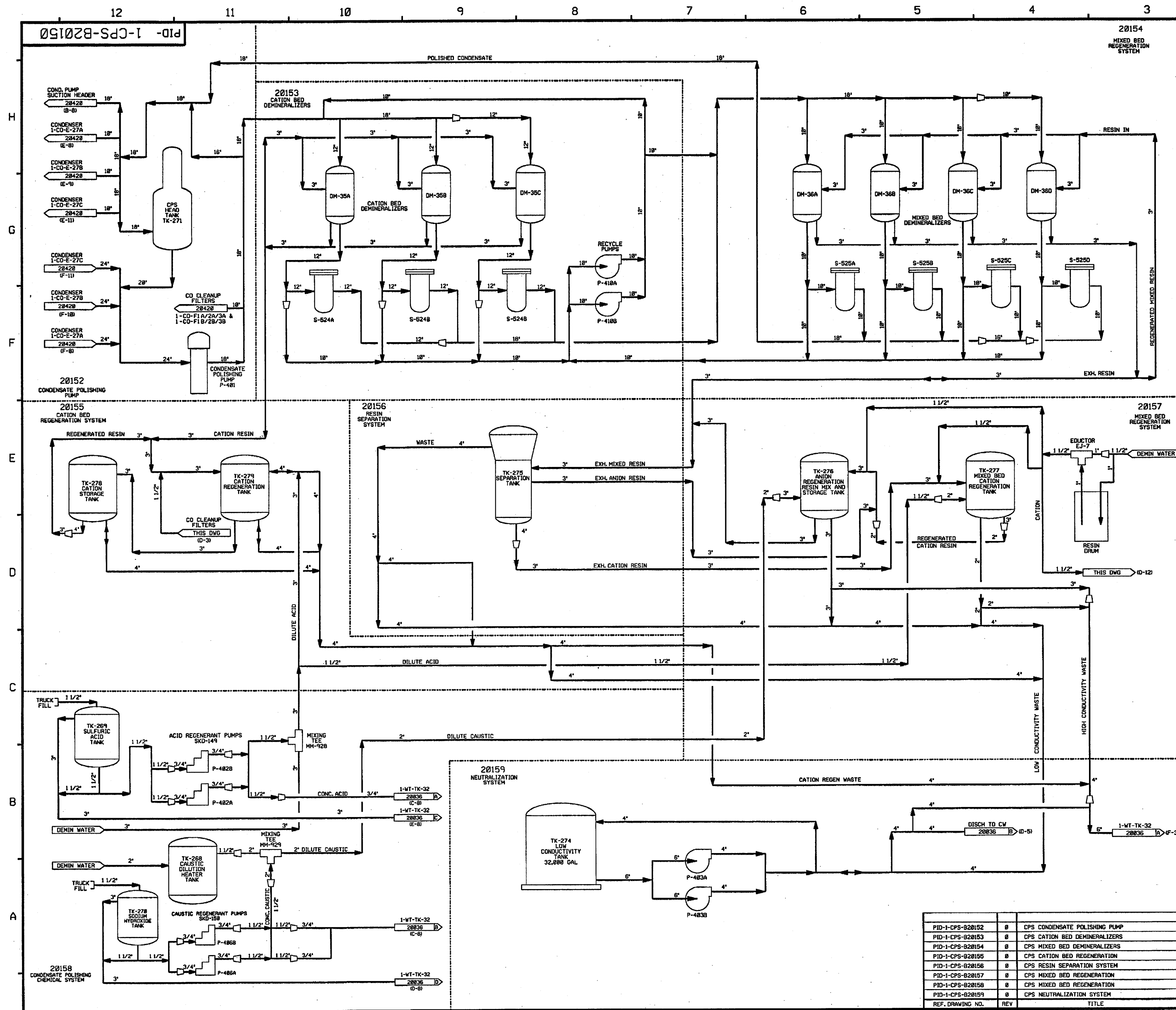
5	2/24/81	MPW	---	DWS	BCL	WFM	INCOMP. DCR 97-12 DCM 88
4	2/24/81	MRB	---	BCL	RSO	ADT	INCOMP. DCR 86-419 CAIS
3	9/4/81	MRB	RMC	JM	MPW	DJM	INCOMP. DCR 86-419 & DCR 98-23 CAB
2	8/12/80	MRB	RMC	FCB	APL	ES	INCOMP. DCR 87-138 CA ADDED P&ID LEGEND NOTE
1	1/27/87	MPW	DWS	WMD	BCL	VHS	ADDED NOTE 3 AND REVISED PER LATEST SYSTEM DIAGNOSIS.
8	4/2/86	VC	MRB	JDM	DFM	WFS	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

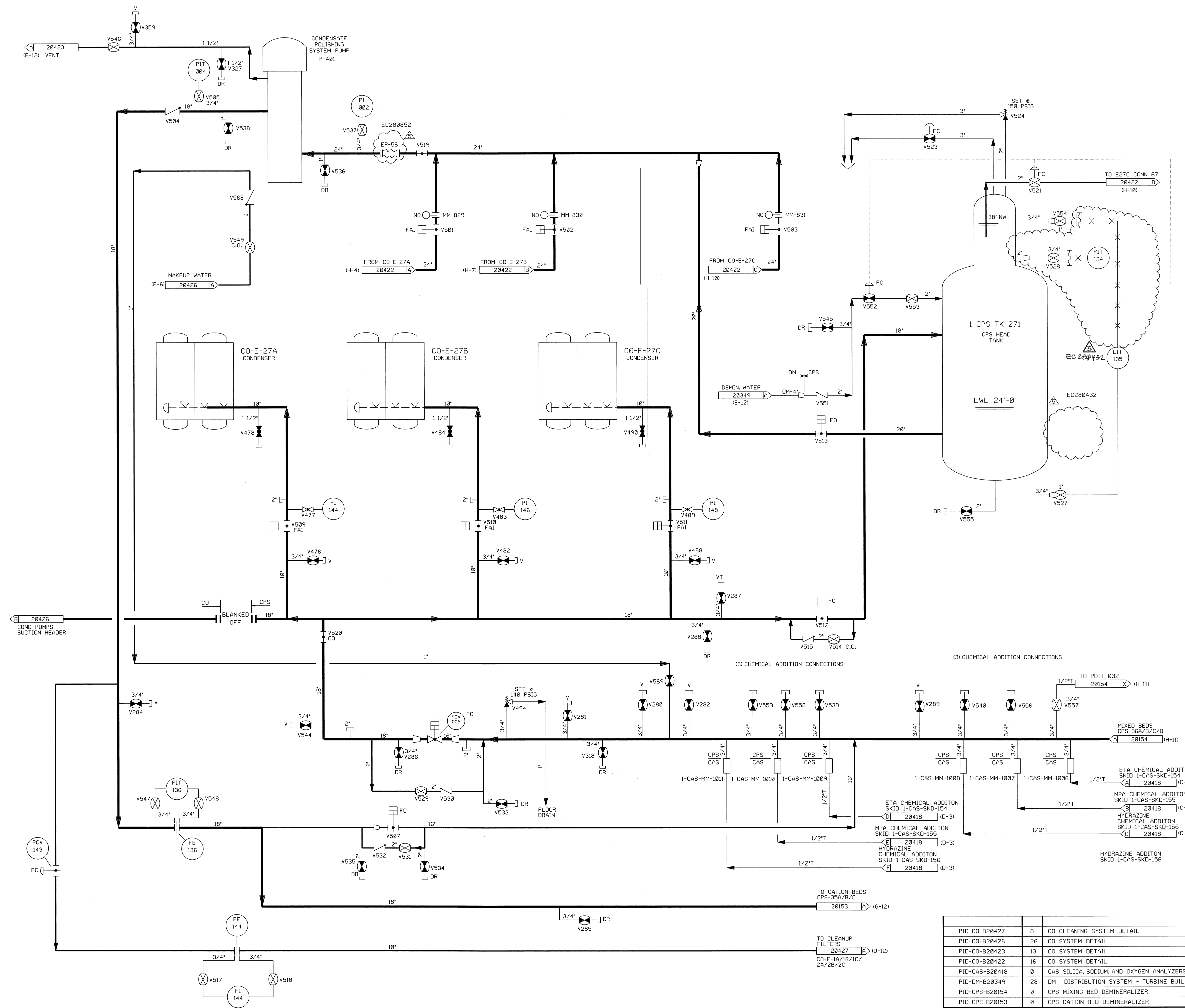


FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2

- 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	DESCRIPTION
1	04/21/05	BCS	GPS	AKP	INITIAL ISSUE PER OCR 97-013 DCN-00,235,236
FPL ENERGY					Seabrook Station
CONDENSATE POLISHING SYSTEM OVERVIEW					
PID- 1-CPS-B20150					

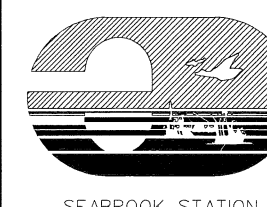
REV	DATE	DSGN	CHKD	CE	DESCRIPTION
1	04/21/05	BCS	GPS	AKP	INITIAL ISSUE PER OCR 97-013 DCN-00,235,236
PID-1-CPS-B20152	0	CPS CONDENSATE POLISHING PUMP			
PID-1-CPS-B20153	0	CPS CATION BED DEMINERALIZERS			
PID-1-CPS-B20154	0	CPS MIXED BED DEMINERALIZERS			
PID-1-CPS-B20155	0	CPS CATION BED REGENERATION			
PID-1-CPS-B20156	0	CPS RESIN SEPARATION SYSTEM			
PID-1-CPS-B20157	0	CPS MIXED BED REGENERATION			
PID-1-CPS-B20158	0	CPS MIXED BED REGENERATION			
PID-1-CPS-B20159	0	CPS NEUTRALIZATION SYSTEM			
REF. DRAWING NO.	REV	TITLE			



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20150, 20153 THRU 20159.
 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 TAG NAMES ARE PREFIXED WITH "20".
EXAMPLE: FIT 014 A = 1- CPS-FIT-20014-A

5	3/1/14	BCS	JM	SAK	INCORP. EC280852, EC280432
4	2/16/14	BCS	JM	SAK	INCORP. EC280852
3	10/23/06	JM	BCS	RRB	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 00, 46, 52, 54, 55, 69, 74, 174, 196
0	10/14/03	MPW	BCS	SAK	PARTIAL INCORP. DCR 97-13 DCN 00, 46, 54 & 55, INCORP. DCR 97-013 DCN 29 & 51.
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

PID-CO-B20427	8	CO CLEANING SYSTEM DETAIL
PID-CO-B20426	26	CO SYSTEM DETAIL
PID-CO-B20423	13	CO SYSTEM DETAIL
PID-CO-B20422	16	CO SYSTEM DETAIL
PID-CAS-B20418	0	CAS SILICA, SODIUM, AND OXYGEN ANALYZERS
PID-DM-B20349	28	DM DISTRIBUTION SYSTEM - TURBINE BUILDING
PID-CPS-B20154	0	CPS MIXING BED DEMINERALIZER
PID-CPS-B20153	0	CPS CATION BED DEMINERALIZER
REF. DRAWING NO.	REV	TITLE



CONDENSATE POLISHING SYSTEM
CONDENSATE POLISHING PUMP

PID- 1-CPS-B20152