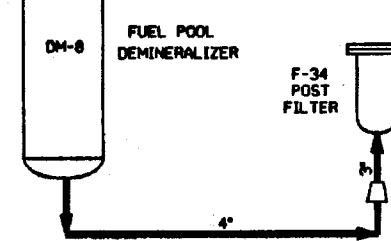
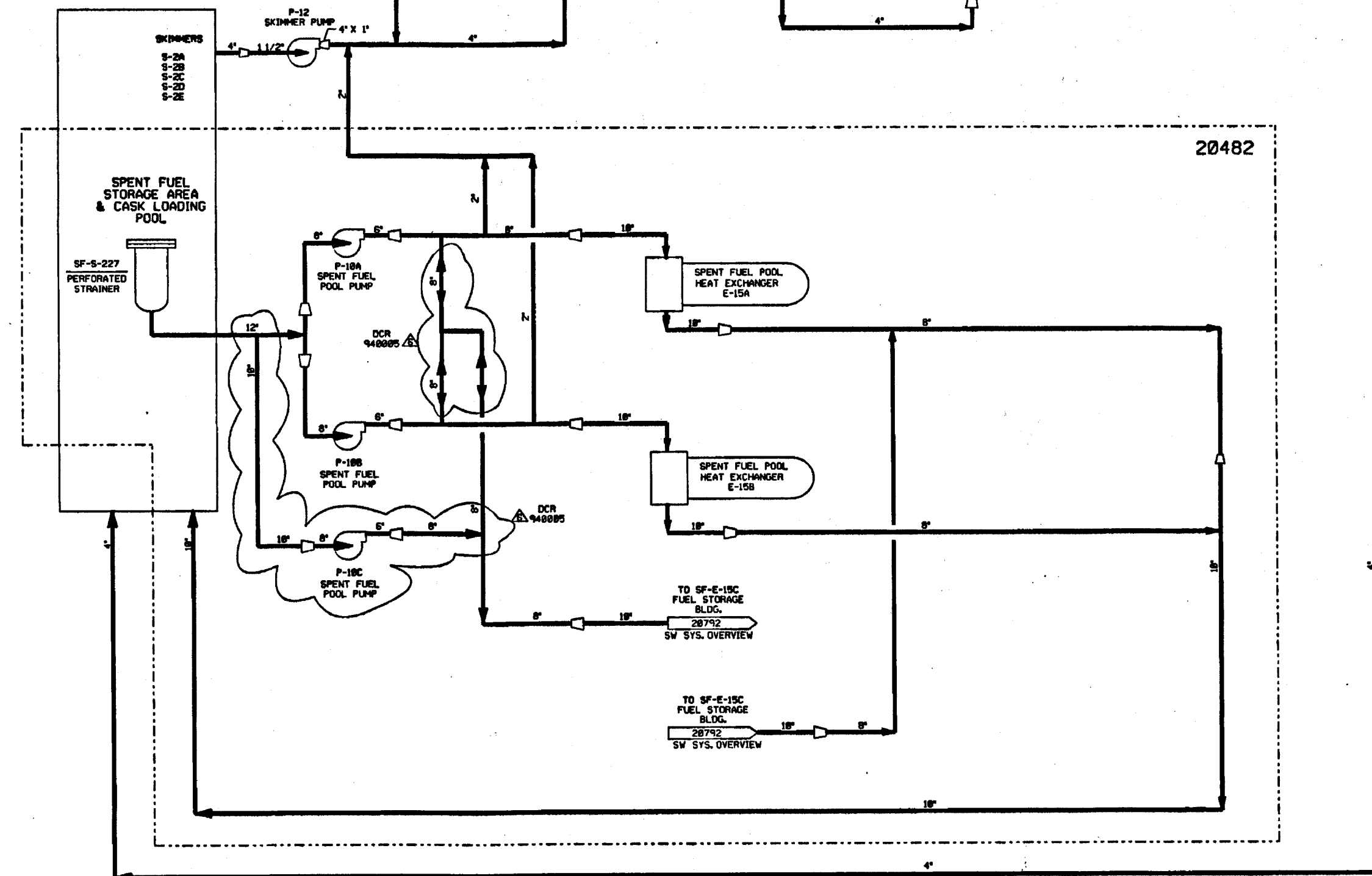
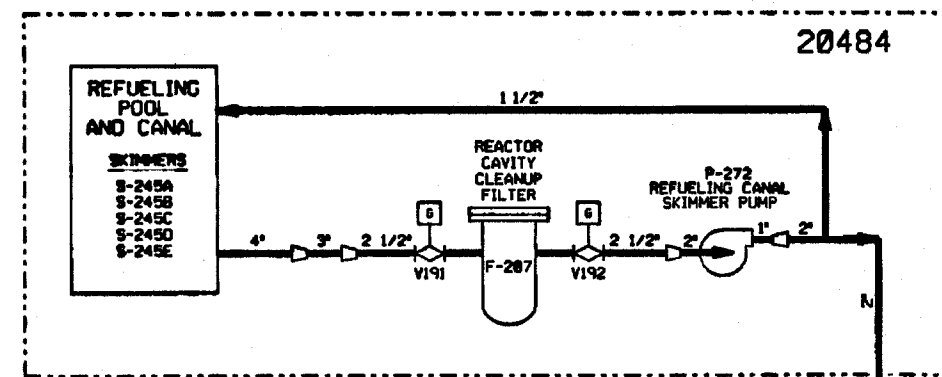


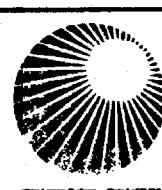
12 11 10 9 8 7 6 5 4 3 2 1
PID-1-SF-B20480



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20482, 20483 & 20484.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "1-SF" UNLESS OTHERWISE NOTED.
 3. Δ INDICATES REVISION LEVEL.

6	4/27/77	DWS	---	BCL	MPW	PSB	INCORP DCR 940085 CASH
5	12/23/91	MRB	---	RND	MPW	NRG	INCORPORATED DCR 98-42 CA32
4	9/14/91	GPM	JM	FCB	MRB	BCL	INCORPORATED DCR 98-42 CA31
3	9/8/91	MRB	JM	FCB	GPM	JEV	INCORPORATED DCR 98-47 CA84
2	2/28/87	MPW	OPD	PAL	BCL	NRG	REVISED PER LATEST SYSTEM DRAWINGS
1	2/18/85	TAK	MRB	TAK	DHF	WFD	CENTRAL REVISIONS & ISSUED FOR OPERATIONS
0	03/24/80	DWS	GJK	RSL	DHF	WFD	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

North Atlantic Energy Service Corporation



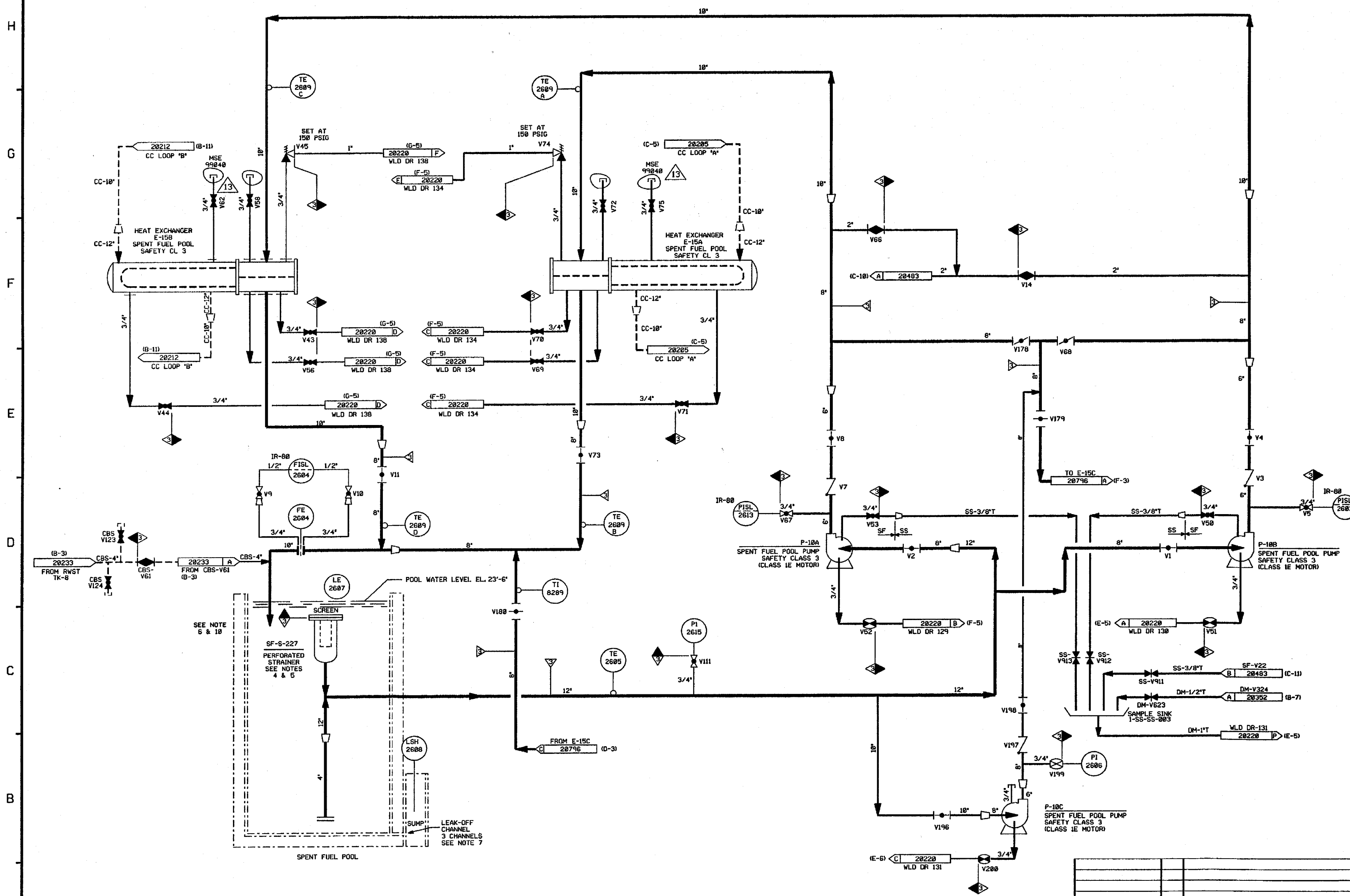
SPENT FUEL POOL COOLING AND CLEAN-UP SYSTEM OVERVIEW

PID-1-SF-B20480

9763-F-805817	11	SPENT FUEL POOL COOLING & CLEAN-UP SYS. P&ID
9763-F-884988	5	REFUEL CAV CLEAN-UP SYS P & ID
REF. DRAWING NO.	REV	TITLE

PID-1-SF-B20482

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

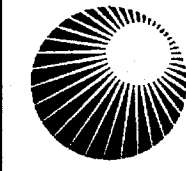


- NOTES:
1. WORK THIS DRAWING WITH 20480, 20483 & 20484.
 2. PIPING, VALVES, EQUIPMENT & INSTRUMENTS HAVE SYSTEM PREFIX 'SF', UNLESS OTHERWISE NOTED.
 3. VENTS, DRAINS AND TEST CONNECTIONS CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-WHY-08511 UNLESS NOTED OTHERWISE.
 4. PROVIDE BLIND FLANGE NECESSARY ONLY WHEN DEWATERING POOL. PIPE IS SAFETY CLASS 3; STRAINER IS CLASS NMS.
 5. SUCTION IS LOCATED 2 FT BELOW THE NORMAL WATER LEVEL.
 6. RETURN TERMINATES 11 FT ABOVE SPENT FUEL ASSEMBLIES.
 7. PORTABLE PUMP IS USED TO REMOVE WATER AS REQUIRED FROM LEAK-OFF CHANNEL SUMP TO FLR DRAIN SUMP.
 8. Δ INDICATES REVISION LEVEL.
 9. DELETED
 10. EMERGENCY MAKE-UP TO SPENT FUEL POOL FROM THE CST USING TEMPORARY HOSE ICO-20426 C-71.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
13	7/28/96	BCS	MPW	DWS	RLP	INCORP. MSE 95-040 REV. 0.1.2	
12	8/18/97	MPW	BCS	DWS	VWS	INCORP. DCR 97-14 DCM 01	
11	5/23/97	DWS	MPW	BCS	PEB	INCORP. HMOO 96-550 DCM 01	
10	3/23/97	DWS	BCS	MPW	PEB	FINAL INCORP. DCR 940805 DCM#0 & 14	
9	3/23/97	DWS	BCS	MPW	PEB	2ND PARTIAL INCORP. DCR 940805 DCM#0 & 1	
8	3/21/97	DWS	BCS	MPW	PEB	PARTIAL INCORP. DCR 940805 DCM#0 & 1	
7	12/23/96	RMC	JM	FCB	GPH	INCORP. DCR 96-042 C&B	
6	9/14/96	MRB	JM	FCB	GPH	INCORP. DCR 96-042 C&B	
5	5/21/96	MRB	RMC	JM	BCL	INCORP. DCR 97-254 C&B	
4	9/8/88	HAP	JM	GPH	APL	REVISED NOTE 3 AND 4 ADDED OUT OF FUNCTION INFORMATION ON LBS SYSTEM FOR CLARIFICATION & REFERENCE DELETED NMS-1 CL BOUNDARY	
3	11/28/85	MPW	OPD	WRD	BCL	ADDED CONT. REF. LOCKS, SPEC. BREAKS DELETED NOTE 9, REVISED VALVE NOS PER ERECTION ISOL.	
2	8/16/85	JDM	OPD	DWS	JMS	REVISE & UPDATE CONTINUATIONS	
1	12/18/85	DWS	GFS	TAK	DMF	ADDED CODE BREAKS AND CORRECTED VALVE POSITIONS PER DWG CHANGE SHY	
0	3/24/85	DWS	GJK	RSL	JWK	ISSUED FOR FIELD VERIFICATION	

North Atlantic Energy Service Corporation




SPENT FUEL POOL COOLING
AND CLEAN-UP SYSTEM
DETAIL


PID- 1-SF-B20482

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
9763-F-805017	12	SPENT FUEL POOL COOLING & CLEAN UP SYS P & ID					
REF. DRAWING NO.	REV	TITLE					

07/28/96

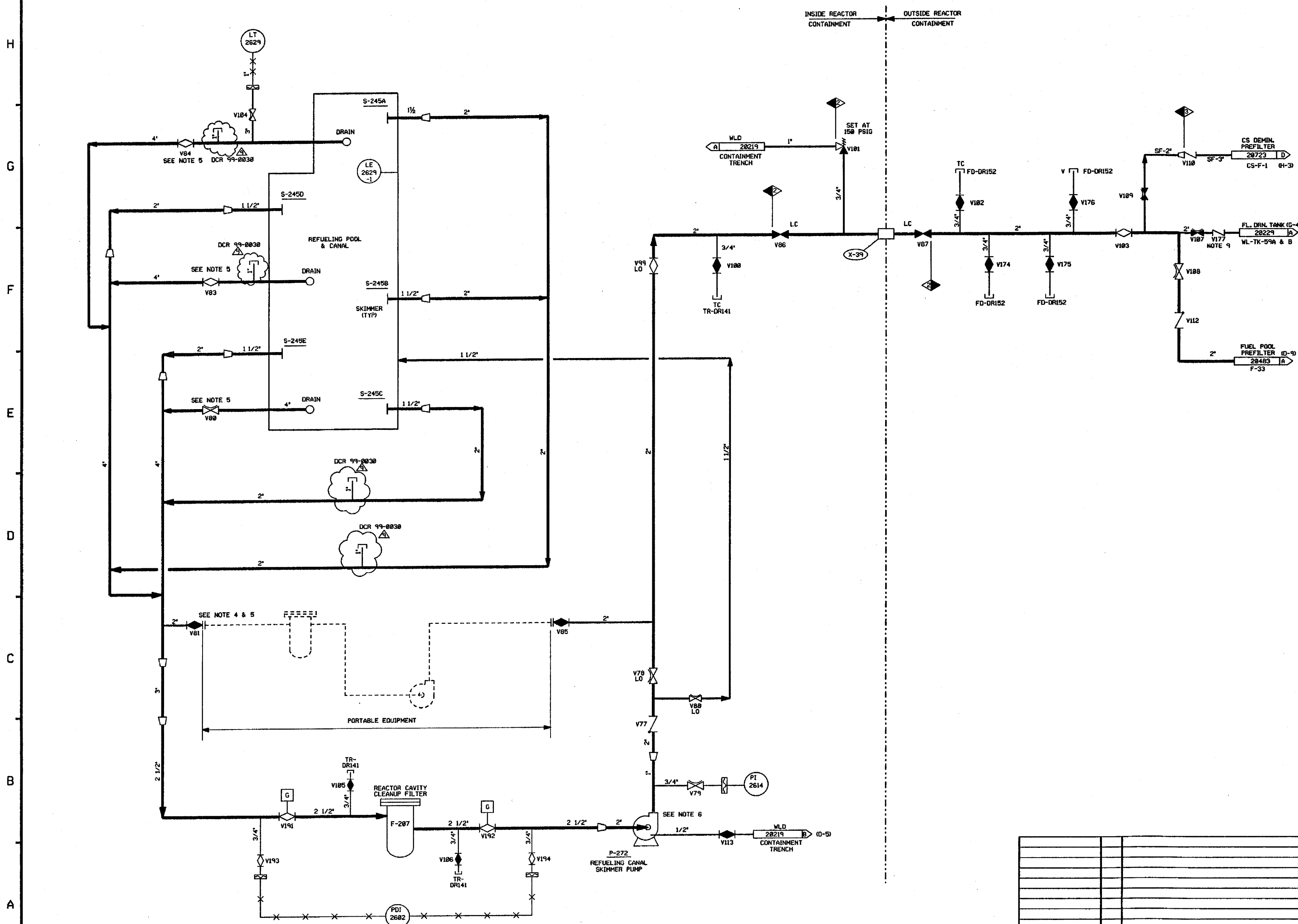
NOTES:

1. WORK THIS DRAWING WITH 20480, 20482 & 20484.
2. ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX 1-SF, UNLESS NOTED OTHERWISE.
3. ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
4. VENT LINES FROM FILTERS ARE MANIFOLDED AND RUN THROUGH A COMMON SIGHT GLASS. VALVES ARE LOCATED NEAR MANIFOLD.
5. SPECIAL TRANSITION PIECE.
6. RETURN TERMINATES 11 FT ABOVE SPENT FUEL ASSEMBLIES.
7. DELETED
8.  INDICATES REVISION LEVEL.
9. DELETED

FPL ENERGY		Seabrook Station
	SPENT FUEL POOL COOLING AND CLEAN-UP SYSTEM DETAIL	
	PID-	1-SF-B20483

PID-1-SF-B20484

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 28480, 28482 & 28483.
 2. ALL LINES, EQUIPMENT, COMPONENT & INSTRUMENTS HAVE SYSTEM PREFIX "SF", UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS ARE SAFETY CLASS NNS UNLESS NOTED OTHERWISE.
 4. REMOVE BLIND FLANGE DURING PLANT POWER OPERATION, CLOSE VALVE & REPLACE BLIND FLANGE PRIOR TO REFUELING.
 5. VALVE MUST BE LEFT OPEN DURING PLANT POWER OPERATION.
 6. SEE DRAWING 28353 FOR MECHANICAL SEAL SUPPLY TO PUMP P-272
 7. DELETED
 8. Δ INDICATES REVISION LEVEL.
 9. ∇ 2" SPRING LOADED, PISTON STYLE CHECK VALVE.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
1	9/17/88	BCS	---	APL	---	---	PARTIAL INCORP DCR 99-0838 DCR-88, 89
2	6-13-97	DWS	---	MPV	---	---	INCORP DCR 970808 DCR-98
3	12/15/94	MPV	---	BCL	---	---	INCORP MMD 93-545 CA 8
4	9/28/91	GPM	JM	FCB	MRB	IV	INCORP DCR 88-238 CAB
5	8/8/91	MRB	JM	FCB	GPM	GRM	INCORP DCR 90-47 CAB AND DCR 86-163 CAB
6	5/9/89	MRB	FCB	PAL	APL	GRM	INCORP DCR 88-338 CA 82 REVISED NOTES 2,3,6, NUCLEAR SAFETY RELATED LABEL
7	10/17/86	MAP	GPO	BCL	YMK	RRC	INCORP ECA 99-113342A ADDED DNG, LOC. CONTR. DELETED NOTE 7, REVISED PER DESG P&ID.
8	6/13/86	DWS	TAK	BLI	JMS	RRC	INCORP NCR 73/0444C ADDED WL CONT. CFR-84, APPROVED DESIGN CHG. 1 & 2
9	12/18/95	TAK	MRB	TAK	DHF	WFD	GENERAL REVISIONS & ISSUED FOR OPERATIONS
10	8/24/88	DWS	GJK	JNM	DHF	WFD	ISSUED FOR FIELD VERIFICATION

North Atlantic Energy Service Corporation



**SPENT FUEL POOL COOLING & CLEAN-UP SYSTEM
DETAIL**

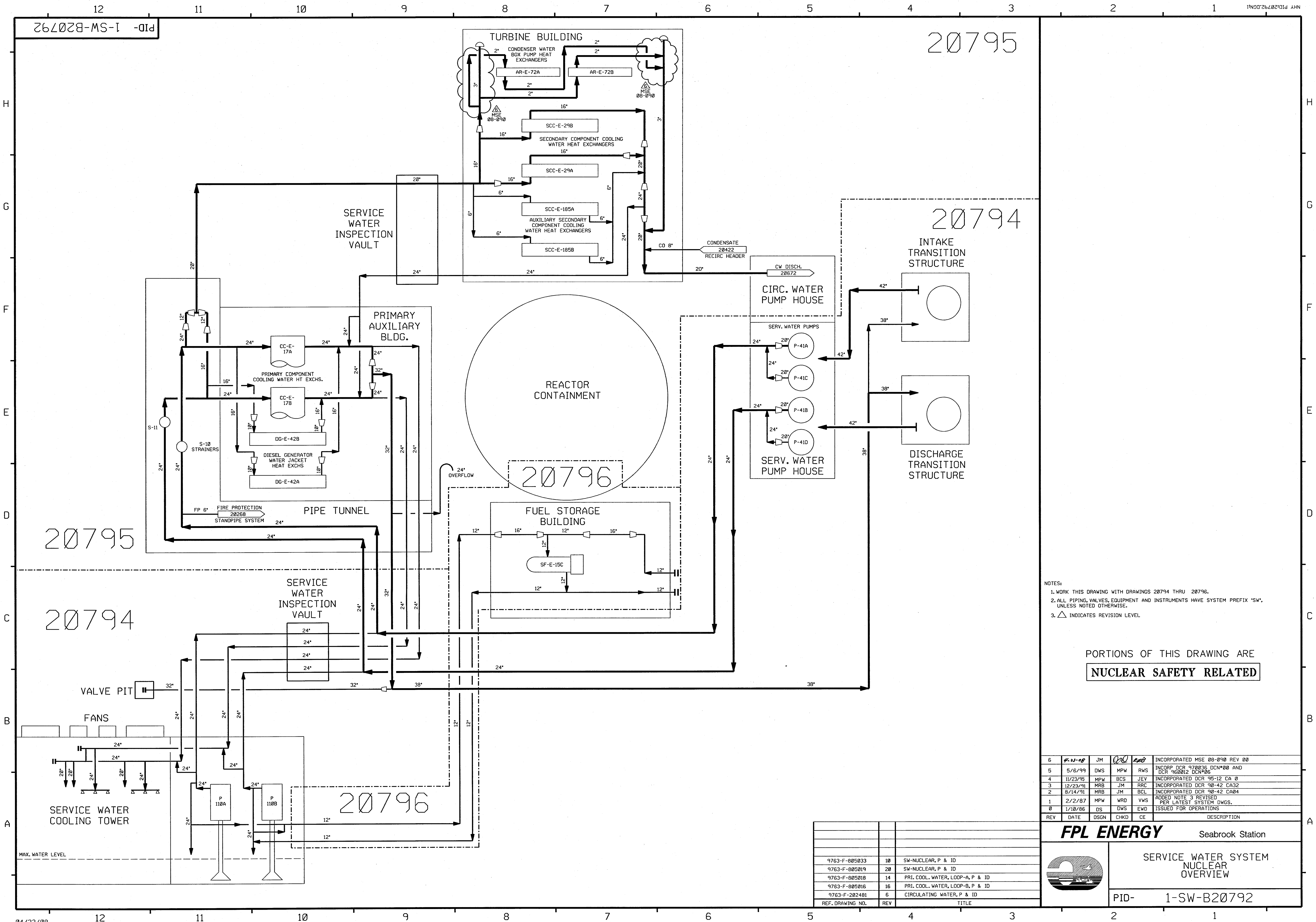
PID- 1-SF-B20484

REF. DRAWING NO.	REV	TITLE
9763-F-885817	12	SPENT FUEL POOL COOLING & CLEAN UP SYS P&ID
9763-F-884988	5	REFUEL CAV CLEAN-UP P & ID

10/25/00

SECURITY-RELATED INFORMATION – WITHHELD UNDER 5 U.S.C. SECTION 552(b)(4) AND 5 U.S.C. SECTION 552(b)(7)(F)

SECURITY-RELATED INFORMATION – WITHHELD UNDER 5 U.S.C. SECTION 552(b)(4) AND 5 U.S.C. SECTION 552(b)(7)(F)

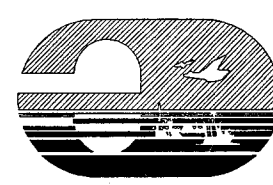


NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20794 THRU 20796.
2. ALL PIPING, VALVES, EQUIPMENT AND INSTRUMENTS HAVE SYSTEM PREFIX 'SW', UNLESS NOTED OTHERWISE.
3. Δ INDICATES REVISION LEVEL

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

6	4/23/08	JM	QD	END	INCORPORATED MSE 08-090 REV 00
5	5/6/99	DWS	MPW	RWS	INCORP DCR 970036 DCN#00 AND DCR 960012 DCN#06
4	11/23/95	MPW	BCS	JEV	INCORPORATED DCR 95-12 CA 0
3	12/23/91	MRB	JM	RRC	INCORPORATED DCR 90-42 CA32
2	8/14/91	MRB	JM	BCL	INCORPORATED DCR 90-42 CA04
1	2/2/87	MPW	WRD	VWS	ADD NOTE 3 REVISED PER LATEST SYSTEM DWGS.
0	1/10/86	DS	DWS	EWD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

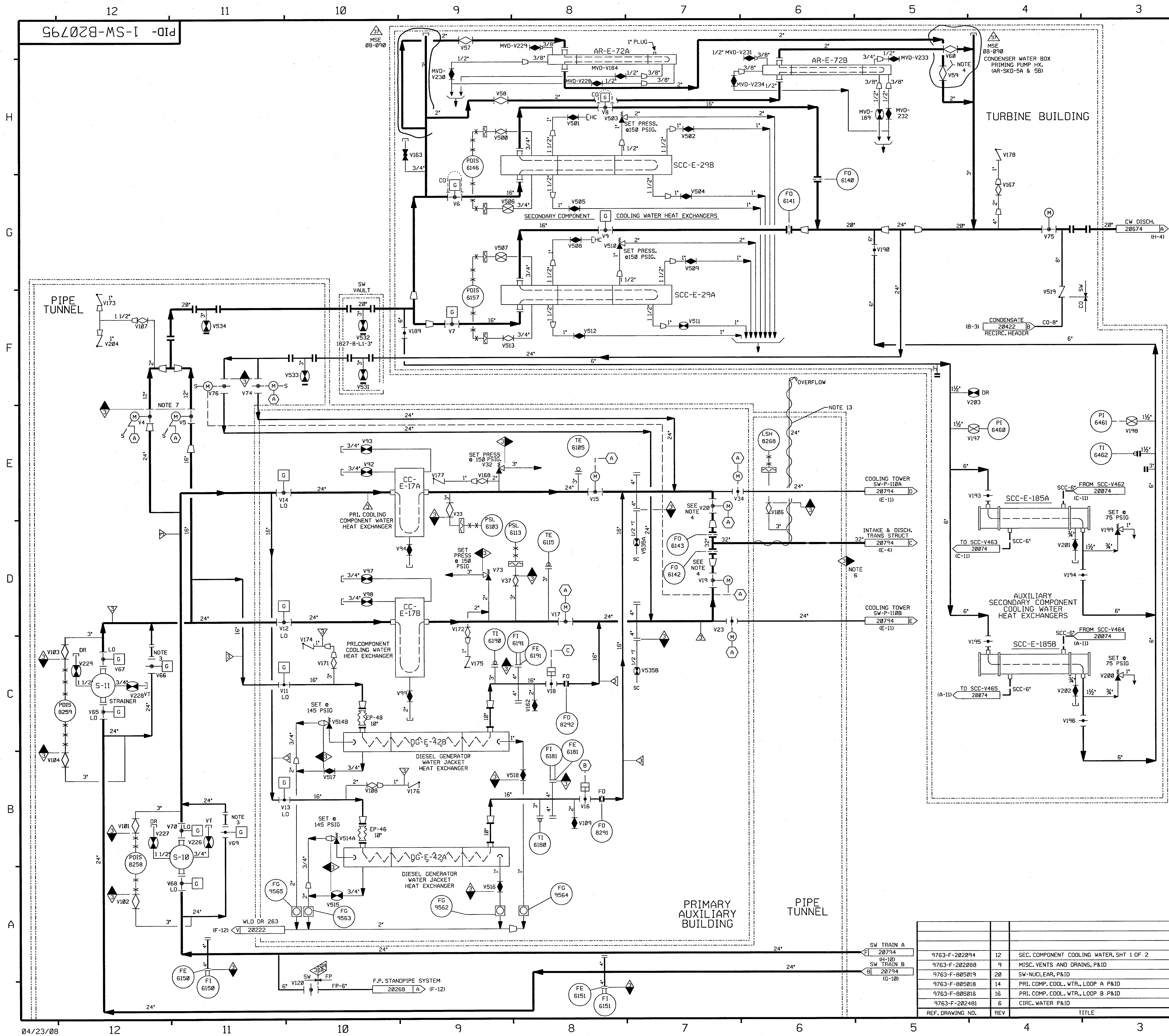
FPL ENERGY Seabrook Station



SERVICE WATER SYSTEM
NUCLEAR
OVERVIEW

PID- 1-SW-B20792

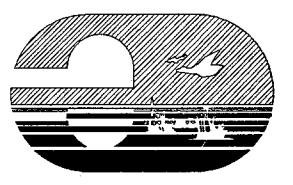
9763-F-805033	10	SW-NUCLEAR, P & ID
9763-F-805019	20	SW-NUCLEAR, P & ID
9763-F-805018	14	PRI. COOL. WATER, LOOP-A, P & ID
9763-F-805016	16	PRI. COOL. WATER, LOOP-B, P & ID
9763-F-202481	6	CIRCULATING WATER, P & ID
REF. DRAWING NO.	REV	TITLE



- 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 20792 & 20794.
 2. ALL PIPING, VALVES, EQUIPMENT, & INSTRUMENTS HAVE SYSTEM PREFIX 'SW' UNLESS NOTED OTHERWISE.
 3. SPOOL PIECE NECESSARY FOR ADDITIONAL SERVICE WATER STRAINER AT LATER DATE (IF REQUIRED).
 4. VALVES 1-SW-V19, 20, 59 AND V60 ARE PRESET. THESE ARE THE ONLY VALVES TO BE USED FOR FLOW BALANCING, WHEN REQUIRED.
 5. CLASS BREAK OCCURS WHERE PIPE ENTERS EARTH.
 6. VALVES V4 & V5 TO CLOSE ON COMPLETE LOSS OF OFF SITE POWER.
 7. XX - DENOTES TITANIUM MATERIAL.
 8. DELETED
 9. INDICATES REVISION LEVEL
 10. INSTRUMENTATION REFERENCES
 11. TA LOGIC
 12. VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-805111, UNLESS NOTED OTHERWISE.
 13. HEAT TRACING HAS BEEN DISCONNECTED AND IS NON-FUNCTIONAL.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

37	4-22-08	JM	RRB	INCORP MSE 08-090 REV 00
36	10/12/06	BCS	JM	INCORP, MMOD 03-504 DCN-00
35	5/17/05	BCS	MPW	INCORP, CR 05-04228 REV. 0
34	5/8/02	MPW	JM	INCORP, DCR 99-031 DCN 00
33	11/16/01	BCS	MPW	INCORP MSE 01-0041 REV. 00
32	1/26/01	MPW	BCS	INCORP DCR 99-35 DCN#00
31	11/16/00	BCS	MPW	INCORP MMOD 99-577 DCN 00
30	8/23/00	BCS	DWS	PARTIAL INCORP DCR 99-035 DCN#00
29	1/10/00	BCS	MPW	INCORP MSE 00-019 REV 00
28	10/20/99	MPW	DWS	INCORP MSE 99-303 REV 00
27	9/29/99	DWS	BCS	INCORP DCR 99-0007 DCN#00
26	7/12/99	BCS	MPW	INCORP DCR 99-0010 DCN#00, PARTIAL
25	4/30/99	DWS	RWS	INCORP DCR 97-0036 DCN#00
24	2/19/99	BCS	MPW	INCORP DCR 98-0039 DCN-00
23	2/3/98	BCS	MPW	INCORP DCR 97-0011 DCN-0, MMOD
22	8/18/97	MPW	BCS	INCORP MMOD 96-550 DCN 01
21	6/10/97	DWS	MPW	INCORP DCR 96-0012 DCN#00, DCR 96-0016
20	5/28/97	DWS	MPW	INCORP DCR 96-0016 DCN#00 & 01, MMOD 96-550 DCN#00
19	11/27/95	BCL	MPW	PARTIAL INCORP DCR 96-0016 DCN#0 & 1
18	6/12/95	BCL	DWS	INCORP MMOD 92-542 CA-0
17	5/4/95	BCL	DWS	INCORP MMOD 92-510 CA-0
16	4/14/95	BCL	MPW	INCORP MMOD 92-510 CA-0
15	7/19/94	BCL	MPW	INCORP MMOD 94-530 CA-0
REV	DATE	DSGN	CHKD	CE

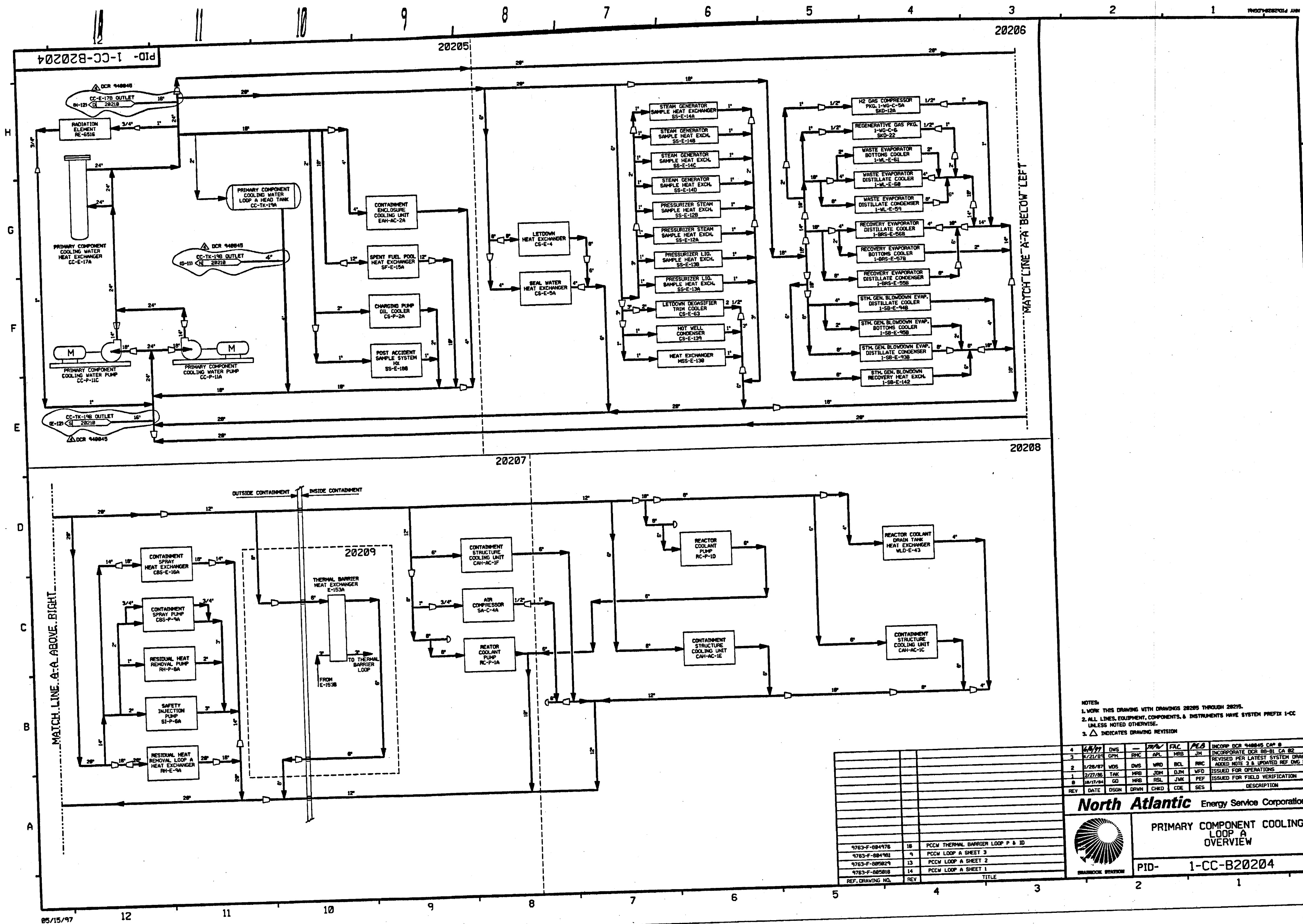
**FPL ENERGY**

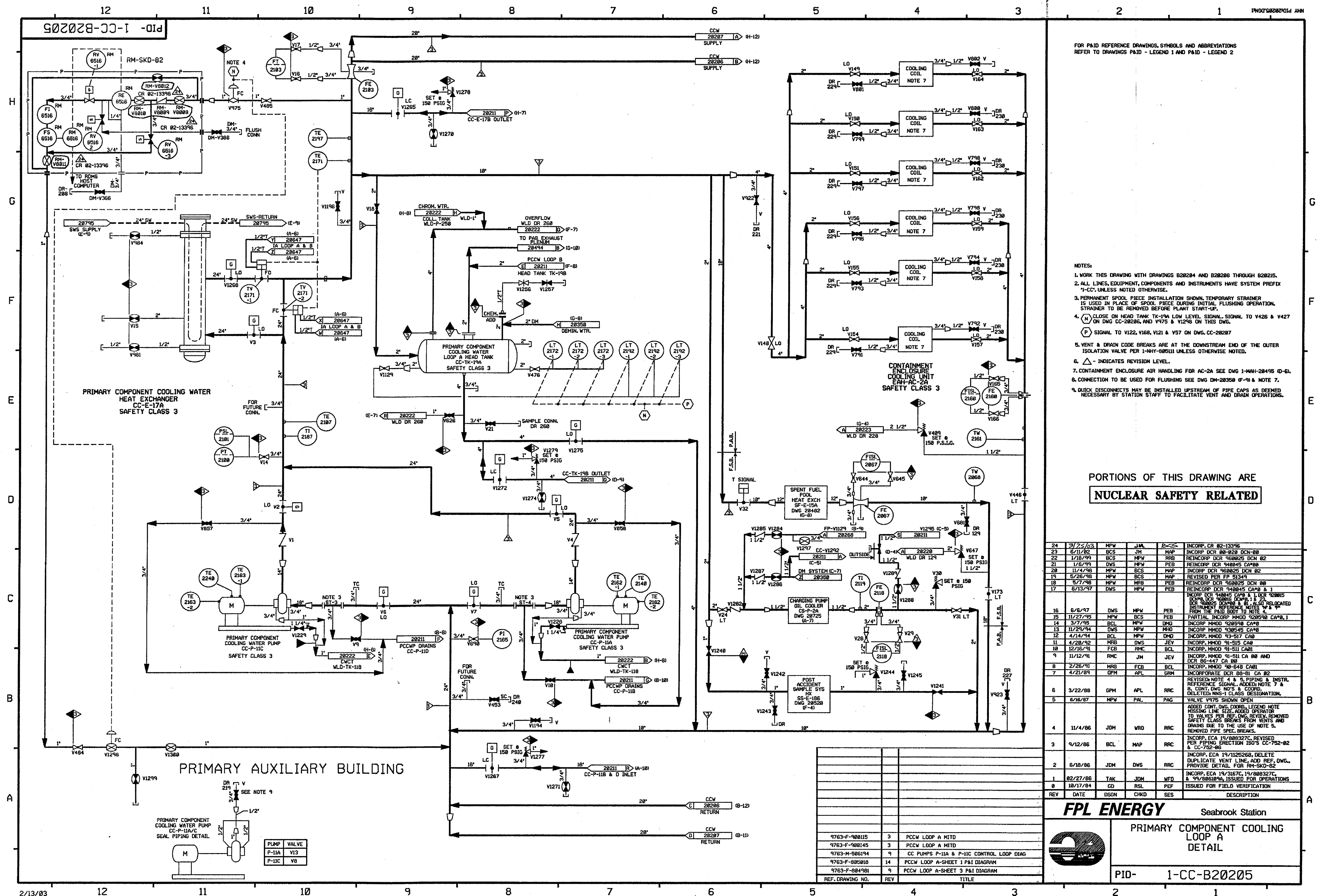
Seabrook Station

SERVICE WATER SYSTEM
NUCLEAR
DETAIL

PID- 1-SW-B20795

REF. DRAWING NO.	REV	TITLE
9763-F-202094	12	SEC. COMPONENT COOLING WATER, SHT 1 OF 2
9763-F-202088	9	MISC. VENTS AND DRAINS, P&ID
9763-F-805019	20	SW-NUCLEAR, P&ID
9763-F-805018	14	PRI. COMP. COOL. WTR., LOOP A P&ID
9763-F-805016	16	PRI. COMP. COOL. WTR., LOOP B P&ID
9763-F-202401	6	CIRC. WATER 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 828284 AND 828286 THROUGH 828215.
ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX
"1-C", UNLESS NOTED OTHERWISE.
2. REMOVED SPOOL PIECE INSTALLATION SHOWN. TEMPORARY STRAINER
IS USED IN PLACE OF SPOOL PIECE DURING INITIAL FLUSHING OPERATION.
STRAINER TO BE REMOVED BEFORE PLANT START-UP.
3. N VALVE ON HEAD VENT
ON DWG CC-28285 AND V475 & V1256 ON THIS DWG.
4. P SIGNAL TO V122, V168, V121 & V57 ON DWG CC-28287
5. VENT & DRAIN COE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER
INSTALLATION VALVE PER 1-NHY-080511 UNLESS OTHERWISE NOTED.
6. △ - INDICATES REVISION LEVEL.
7. CONTAINMENT ENCLOSURE AIR HANDLING FOR AC-2A SEE DWG 1-MAN-28495 (O-G).
8. CONNECTION TO BE USED FOR FLUSHING SEE DWG DM-28356 (F-9) & NOTE 7.
9. QUICK DISCONNECTS MAY BE INSTALLED UPSTREAM OF PIPE CAPS AS DEEMED
NECESSARY BY STATION STAFF TO FACILITATE VENT AND DRAIN OPERATIONS.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

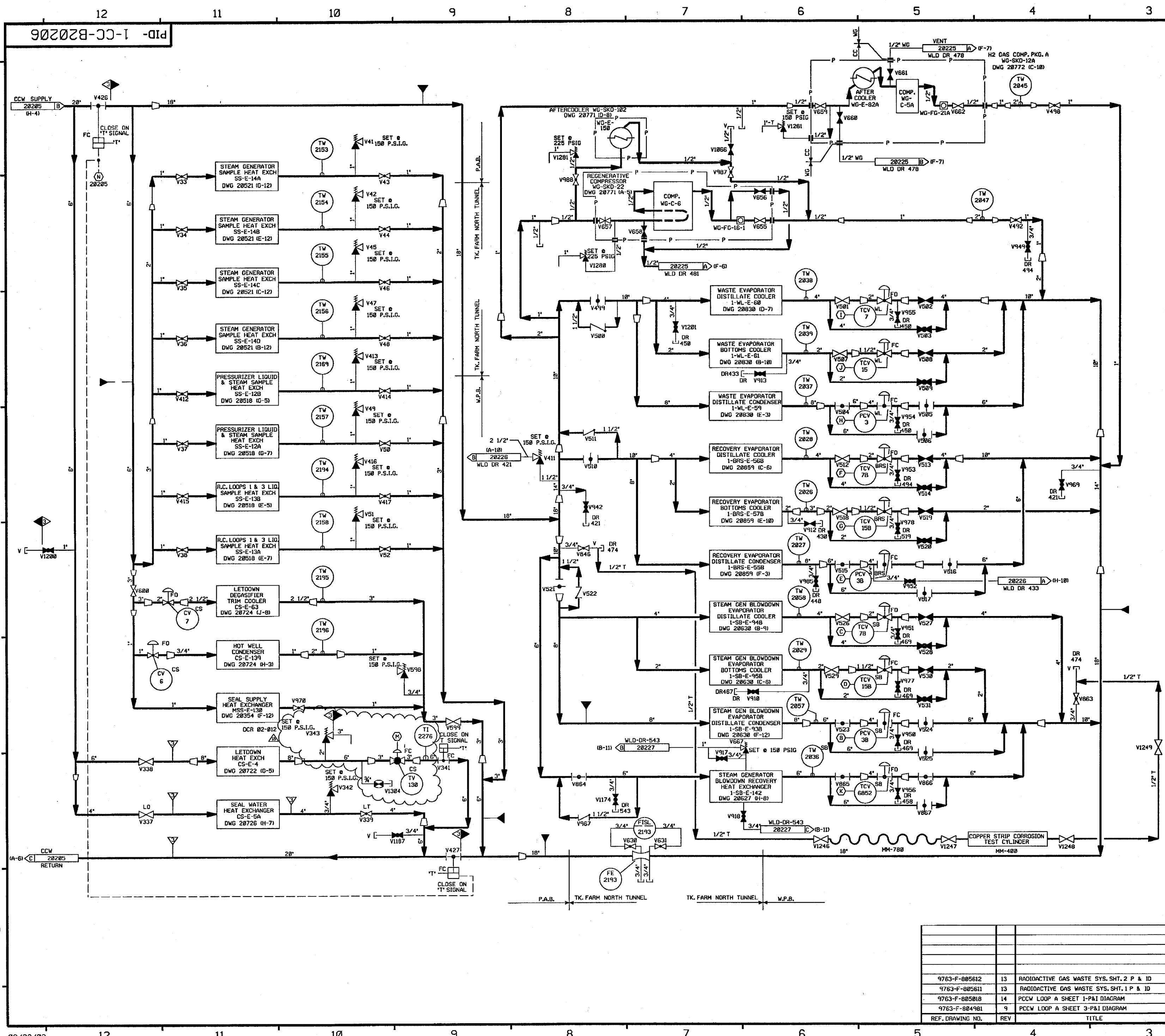
24	3/7/5/03	MPW	JMA	PCS	INCCOR. CR 82-13396
23	6/11/82	BGS	JH	MAP	INCCORP DCR 88-928 DCR 88-00
22	1/15/92	SWS	MPW	RHS	INCCORP DCR 93-685 DCS CA 82
21	1/6/93	DWS	MPW	PEB	REINCCOR DCR 94-045 CA#88
20	11/4/96	MPW	BGS	MAP	INCCORP DCR 96-825 DCR 92
19	5/26/98	MPW	BCS	MAP	REVISED PER PF 51349
18	5/7/98	MPW	MHB	PEB	REINCCOR DCR 96-825 DCR 88
17	6/13/97	DWS	MPW	PEB	INCCORP DCR 94-045 CA# 1
					INCCOR DCR 94-045 CA# 1 & ICR 92-015
					DCR 96-825 DCR 91-1 & 2
					DCR 96-825 DCR 91-1 & 2
					INSTRUMENT REFERENCE NOTES 7 & 8
					FROM TID TO BE RELOCATED
16	6/6/97	DWS	MPW	PEB	PARTIAL INCCORP MMDO 92-059 CA#8, I
15	11/27/95	MPW	BCS	PEB	INCCORP MMDO 92-059 CA#8
14	3/7/95	BCL	MPW	QMD	INCCORP MMDO 92-059 CA#8
13	11/29/94	DWS	MPW	MHO	INCCORP MMDO 93-055 CA#8
12	4/14/94	BCL	MPW	QMD	INCCORP MMDO 93-517 CA#8
11	4/28/92	MHB	DWS	BCL	INCCORP MMDO 91-511 CA#8
10	12/16/91	FCB	RMC	BCL	INCCORP MMDO 91-511 CA#8
9	11/12/91	RMC	JM	JEV	INCCORP MMDO 91-511 CA 88 AND
					DCR 96-447 CA 88
7	2/28/91	MHB	FCB	BCL	INCCORP MMDO 96-648 CA#1
6	4/21/89	GPM	APL	GRM	INCCORP DCR 88-91 CA 82
					REVISED NOTE 4 & 5, PIPING & INSTR.
					REFERENCE SIGNAL. ADDED NOTE 7 &
					8, CONT. DOW NDS & CORRO.
					DELETED. NMS-I CLASS DESIGNATION.
5	3/22/88	GPM	APL	RAC	VALVE 1975 SHOWN OPEN
4	6/16/87	MPW	PAL	PRG	ADDED CONT. DWS. COORD. LEGEND NOTE
					MISSING LINE SIZE. ADDED OPERATOR
					TO VALVES PER DWS. REVIEW. REMOVED
					SOME CLASS BREAKS FROM VENTS AND
					DRAINS. DUE TO THE USE
					REMOVED PIPE SPEC. BREAKS.
4	11/4/86	JDM	WRD	RRC	INCCORP. ECA 11/98-3273. REVISED
					PER PIPING ECTION 150'S CC-752-82
					& CC-752-86
3	9/12/86	BCL	MAP	RRC	INCCORP. ECA 11/125-268, DELETE
					DUPPLICATE VENT. AD. REF. DWS.
					PROVIDE DETAIL FOR 150-82
2	6/18/86	JDM	DWS	RRC	INCCORP. ECA 11/3167, 11/98-3273
					& 99-86619A, ISSUED FOR OPERATIONS
1	8/27/78	TAK	JDM	WFD	
8	10/17/84	GD	RLS	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	SES	DESCRIPTION

FPL ENERGY

Seabrook Station

PRIMARY COMPONENT COOLING
LOOP A
DETAIL

PID- 1-CC-B20205



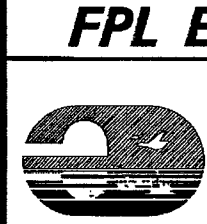
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS P&ID-LEGEND 1 AND P&ID-LEGEND 2.

NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 20204, 20205 AND 20207, THROUGH 20215.
2. ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX 1-CC UNLESS NOTED OTHERWISE.
3. INSTRUMENT REFERENCES
 - (B) FROM SB-PT-38 DWG. (20630)
 - (C) FROM SB-TE-78 DWG. (20630)
 - (D) FROM SB-TE-158 DWG. (20630)
 - (E) FROM BRS-PT-38 DWG. (20859)
 - (F) FROM BRS-TE-78 DWG. (20859)
 - (G) FROM BRS-TE-158 DWG. (20859)
 - (H) FROM WL-PT-3 DWG. (20830)
 - (I) FROM WL-TE-7 DWG. (20830)
 - (J) FROM WL-TE-15 DWG. (20830)
 - (K) FROM SB-TE-6852 DWG. (20627)
 - (M) FROM TE-130 LETDOWN HEAT EXCHANGER CS-E-4 OUTLET DWG. (20722)
 - (N) CLOSE ON HEAD TANK TK-19A LOW LEVEL SIGNAL
4. Δ INDICATES REVISION LEVEL.
5. DELETED
6. VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-805111 UNLESS OTHERWISE NOTED.

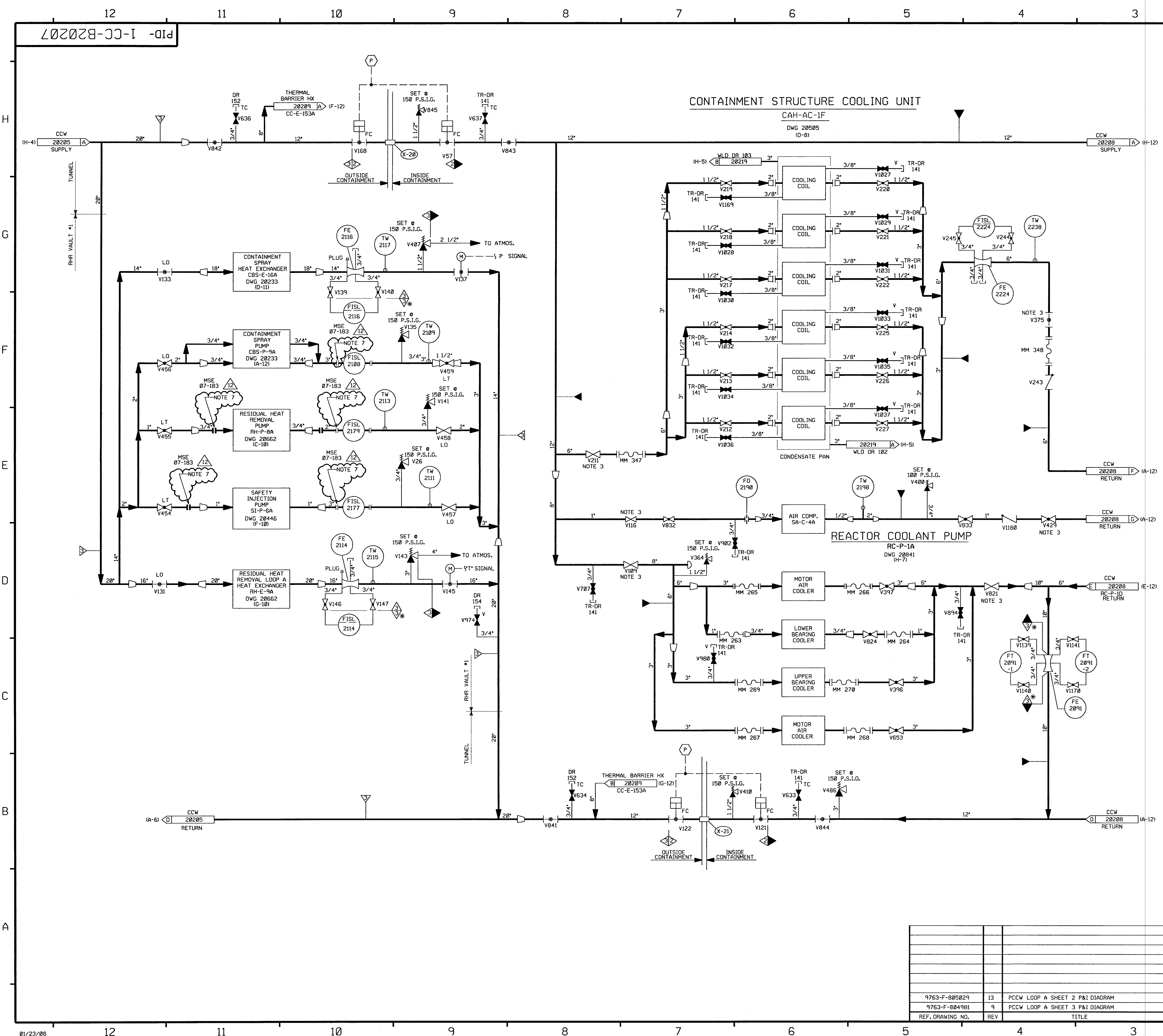
PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
15	4-24-03	BCS	JM	EPB	INCCP DCR 02-012 DCN-00, 01
14	2/27/03	BCS	MPW	TAS	INCCP DCR 00-019 DCN-00
13	6/3/02	JM	MPW	RRB	INCCP MSE 01-0118 REV 00 AND PARTIAL OF MM0D 99-0874 DCN 00
12	3/27/00	MPW	BCS	RRB	INCCP MM0D 93-544 CA01
11	1/28/99	BCL	MPW	RJF	INCCP MM0D 93-544 CA01
10	4/2/92	MRB	BCL	JEV	INCCP MM0D 91-515 CA02
9	9/24/90	MRB	JM	BCL	INCCP MM0D 90-516 CA01
8	5/23/88	GPH	APL	PAG	INCCP DCR 86-409 CA04
7	3/22/88	GPH	APL	RRC	REVISED NOTES 3 & 6, INSTR. REFERENCE SIGNAL, SCID PIPING & EQUIP. DESCRIPTION. ADDED CONT DWG NUMBERS & COORD'S., VENT DESIGNATION, DELETED NNS-1 CL DESIGNATION.
6	6/16/87	MPW	PAL	VMS	ADDED VALVES CV-7 & CV-6 PREVIOUSLY SHOWN ON CS-20724/EQUIP. REFERENCE DWG'S, DELETED VALVE NO'S (N/A I&C VALVES)
5	1/19/87	MRJ	VRD	VMS	ADDED CC PIPING PREVIOUSLY SHOWN ON SB-20627, REVISED TO FLEX HOSE HEAT TRACING, WAS IN ERROR, DELETED NOTE 5, FILLED IN NOTE 3 LAYERS.
4	11/6/86	JDM	PAL	RRR	ADDED CONT DWG COORD'S, LEGEND NOTE, CORRECTED VALVE TYPES PER REF DWG.
3	8/22/86	BCL	VRD	PHH	REVISED TO REFLECT AS-BUILT CONDITION
2	6/19/86	JDM	DWS	RRR	REVISED VALVE NUMBER, REV. WG SKID SUPPLY, INCCP ECA 93/135028 & REV. CHANGE ITEM NO.1 & 2 PER 884981 REV 9
1	2/27/86	TAK	JDM	WFD	ISSUED FOR OPERATIONS AND INCCP, ECA 73/54249
0	10/17/84	GO	RSL	PEF	ISSUED FOR FIELD VERIFICATION



FPL ENERGY Seabrook Station
PRIMARY COMPONENT COOLING
LOOP A
DETAIL
PID-1-CC-B20206

REF. DRAWING NO.	REV	TITLE
9763-F-885612	13	RADIOACTIVE GAS WASTE SYS. SHT. 2 P & ID
9763-F-885611	13	RADIOACTIVE GAS WASTE SYS. SHT. 1 P & ID
9763-F-885018	14	PCCW LOOP A SHEET 1-P&ID DIAGRAM
9763-F-884981	9	PCCW LOOP A SHEET 3-P&ID 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 DRAWINGS 20204, 20205, 20206, & 20208 THROUGH 20215.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX CC UNLESS NOTED OTHERWISE.
 3. EQUIPMENT ISOLATION VALVE INSIDE CONTAINMENT ARE OPERABLE FROM THE CONTAINMENT ANNULUS.
 4. VENT, DRAIN & TEST CONNECTIONS CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-005111 UNLESS OTHERWISE NOTED.
 5. Δ INDICATES REVISION LEVEL
 6. INSTRUMENT REFERENCES
 \square CLOSE ON "P" SIGNAL OR HEAD TANK 19A
 \square LOW LOW LEVEL SIGNAL DWG. 20205
 7. UNION OR FLANGED CONNECTION USED FOR PRE-PLANNED MAKEUP STRATEGY. SEE FP59989.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

12	1-21-09	OPS	JM	SH	INCORP. MSE 07-183 REV. 0
11	10/03/06	JM	BCS	RRB	INCORP. MMOD 03-504 DCN 00
10	6/7/05	BCS	JM	RRB	INCORP. CR 05-05358 REV. 0
9	2/27/03	BCS	MPW	TAS	INCORP. DCR 00-019 DCN-00
8	5/3/99	BCS	RWS	GRM	REVISE P SIGNAL SYMBOL PER LOGIC DWG 1-NHY-503271
7	6/11/97	MPW	DWS	DWS	INCORP. MMOD 91-559 CA-00
6	4/19/94	BCL	MPW	DMQ	INCORP. MMOD 93-517 CA-0
5	10/20/92	BCL	MRB	WFZ	INCORP. MMOD 91-559 CA-0 (PARTIAL)
4	4/2/92	MRB	DWS	JEV	INCORP. MMOD 91-515 CA-0
3	2/27/89	MRB	GPM	RRC	INCORPORATED DCR 88-0085 CA 0 REVISED; NOTE 4 AND CLARIFIED DUPLICATION OF ASSOCIATED SYSTEMS AND INTERFACES. ADDED: NOTE 6 DELETED: NNS-1 CLASS BOUNDARY AND MATERIAL SPEC. BREAKS
2	11/26/86	MRJ	WRD	RRC	ADDED CONT FLAG COORD'S & NOTE 5. ADDED CLASS FLAGS & REVISED SET PRESS PER UEXL P&ID STATUS OF INCOMPLETE ITEMS IS N/A, REVISED NOTE 4.
1	2/27/86	TAK	JDM	WFD	ISSUED FOR OPERATIONS
0	10/17/84	GD	RSL	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

Seabrook Station

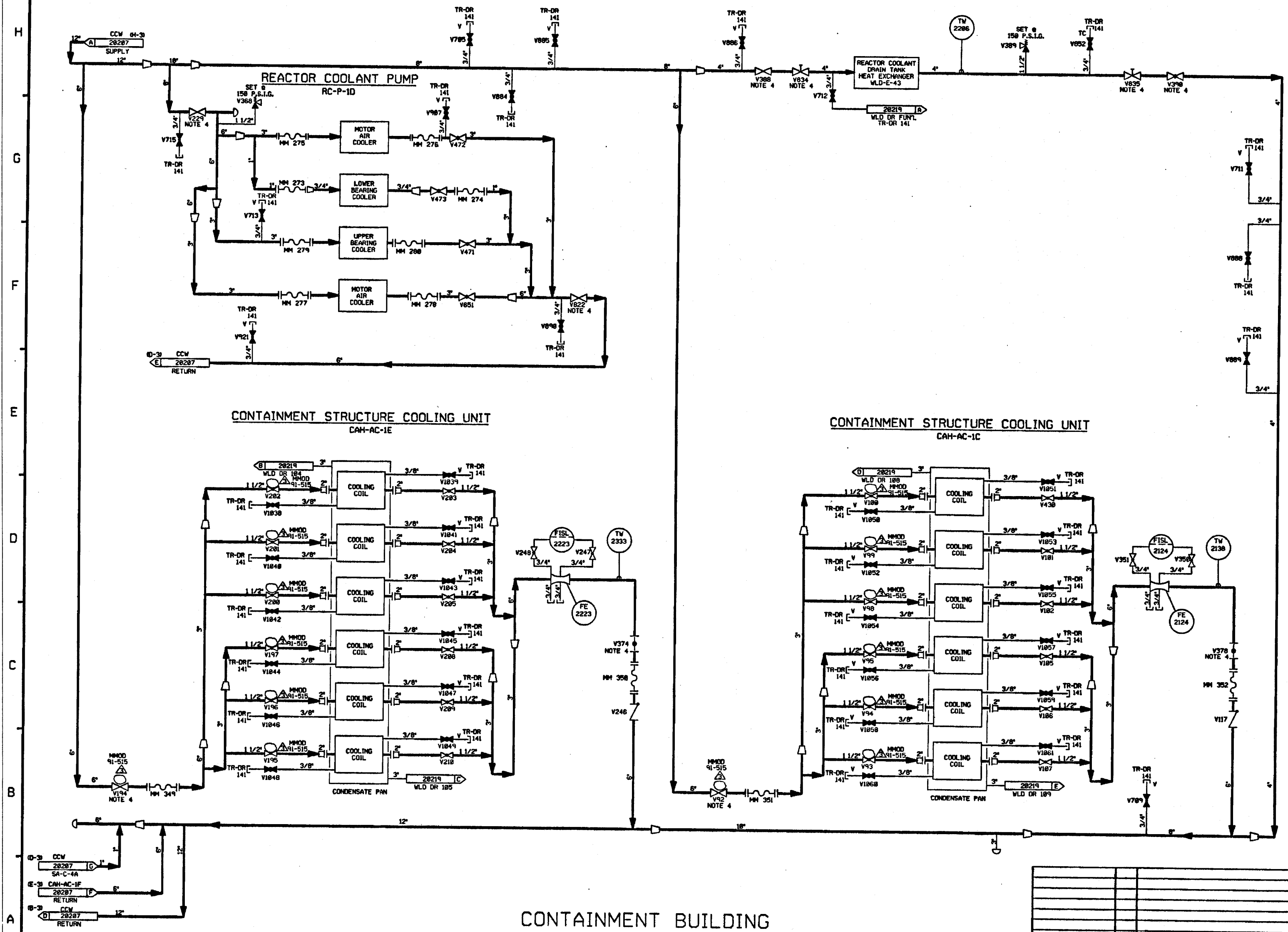
PRIMARY COMPONENT COOLING
LOOP A
DETAIL

PID- 1-CC-B20207

9763-F-805029	13	PCCW LOOP A SHEET 2 P&ID DIAGRAM
9763-F-804981	9	PCCW LOOP A SHEET 3 P&ID DIAGRAM
REF. DRAWING NO.	REV	TITLE

12 11 10 9 8 7 6 5 4 3 2 1
PID-1-CC-B20208

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



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20204, 20205, 20206, 20207, & 20209.
 2. ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX 1-CC UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY SAFETY CLASS 1, UNLESS NOTED OTHERWISE.
 4. EQUIPMENT ISOLATION VALVES LOCATED INSIDE CONTAINMENT ARE OPERABLE FROM THE CONTAINMENT ANNULUS.
 5. VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVES PER DESIGN STANDARD H-001 UNLESS OTHERWISE NOTED.
 6. Δ INDICATES REVISION LEVEL.

REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
1	11/26/88	MRJ	OPD	WJD	BCL	RRC	REMOVED SPEC BREAKS ADDED CONT. FLAG COORD'S & NOTE 6.
2	12/27/88	TAK	WES	JDM	DJM	WFD	ISSUED FOR OPERATIONS
3	08/17/94	GO	MRB	RSL	JVK	PEF	ISSUED FOR FIELD VERIFICATION

3	11/26/88	MRB	—	DAJS	BCL	JDK	INCORP. MHD 91-515 CAB 2.
2	11/26/88	MRJ	OPD	WJD	BCL	RRC	REMOVED SPEC BREAKS ADDED CONT. FLAG COORD'S & NOTE 6.
1	12/27/88	TAK	WES	JDM	DJM	WFD	ISSUED FOR OPERATIONS
0	08/17/94	GO	MRB	RSL	JVK	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
1	11/26/88	MRJ	OPD	WJD	BCL	RRC	REMOVED SPEC BREAKS ADDED CONT. FLAG COORD'S & NOTE 6.
2	12/27/88	TAK	WES	JDM	DJM	WFD	ISSUED FOR OPERATIONS
3	08/17/94	GO	MRB	RSL	JVK	PEF	ISSUED FOR FIELD VERIFICATION

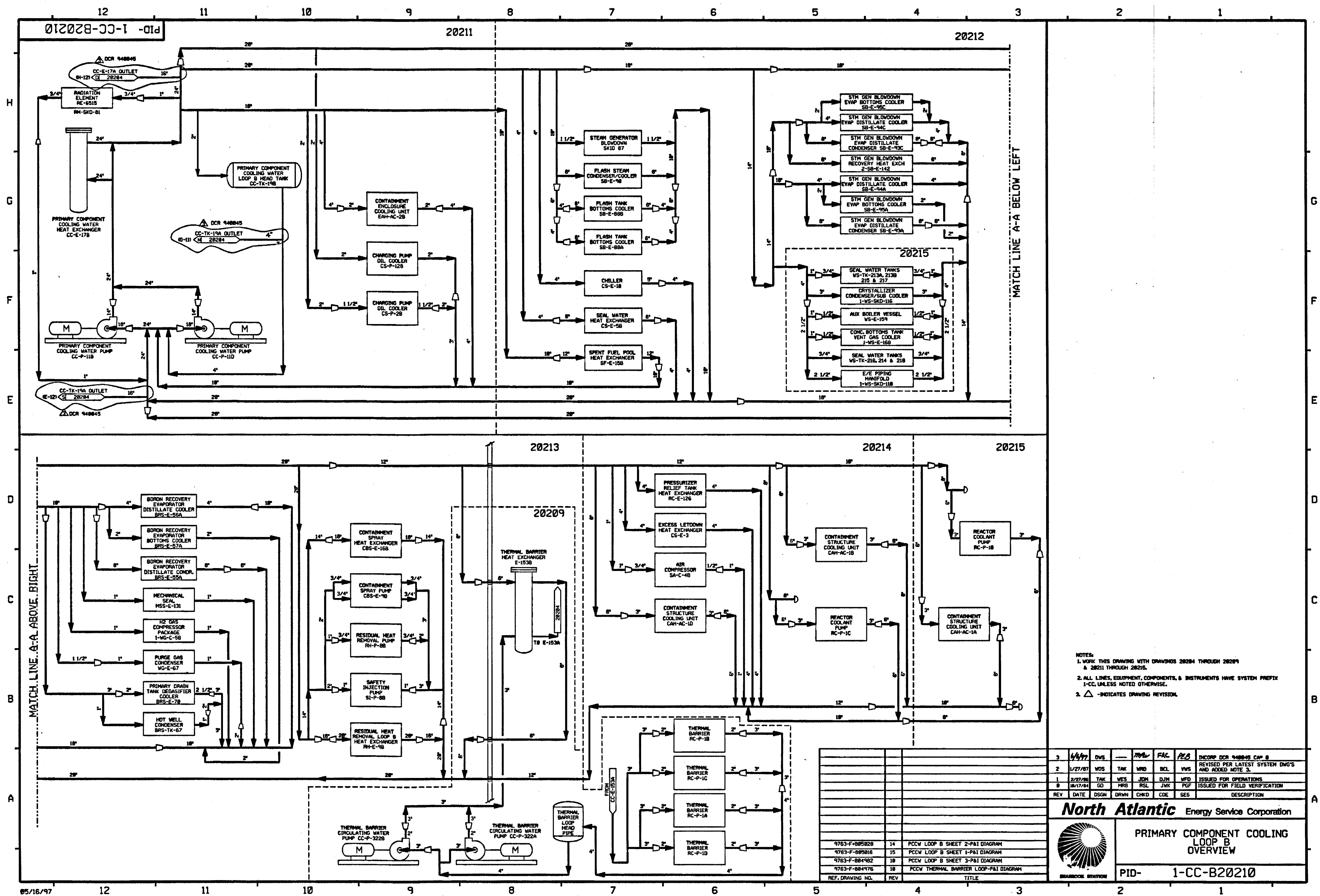
PSNH
PUBLIC SERVICE OF NEW HAMPSHIRE

SEABROOK STATION

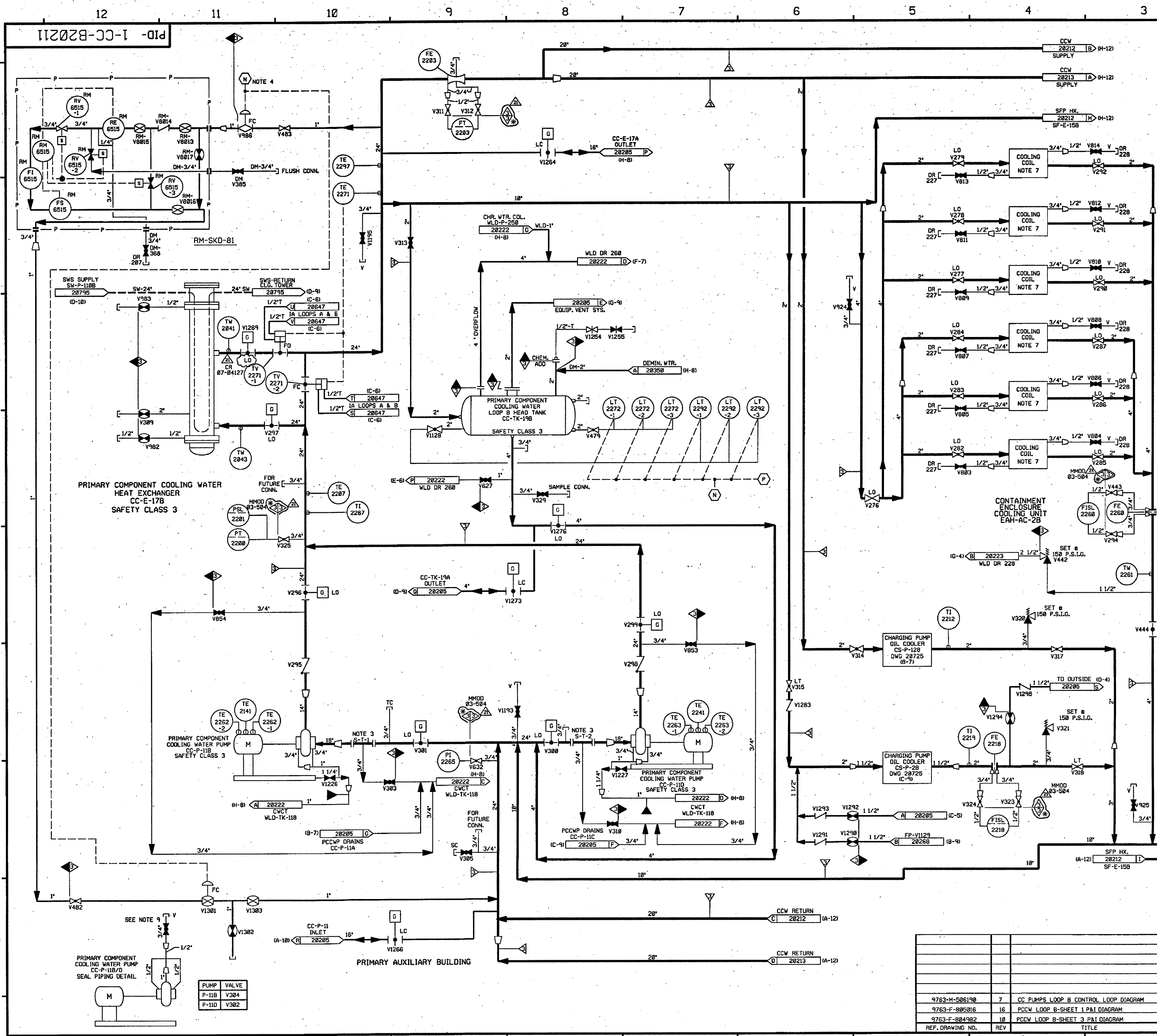
PRIMARY COMPONENT COOLING
LOOP A
DETAIL

PID- 1-CC-B20208

03/24/92



05/16/97

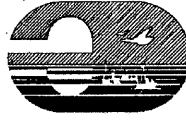


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20204 THROUGH 20215.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "1-CC" UNLESS NOTED OTHERWISE.
 3. PERMANENT SPOOL PIECE INSTALLATION SHOWN. TEMPORARY STRAINER IS USED IN PLACE OF SPOOL PIECE DURING INITIAL FLUSHING OPERATION STRAINER TO BE REMOVED BEFORE PLANT START-UP.
 4. (N) CLOSE ON HEAD TANK TK-19B LOW LEVEL SIGNAL. SIGNAL TO CC-V447 AND CC-V448 ON DWG CC-20212, AND CC-V986, V1301 ON THIS DWG (H-11).
 5. (P) SIGNAL TO CC-V175, CC-V176, CC-V256 & CC-V257 ON DWG CC-20213
 6. VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-805111 UNLESS OTHERWISE NOTED.
 7. CONTAINMENT ENCLOSURE AIR HANDLING FOR AC-2B SEE DWG 1-MAH-20495 (B-5).
 8. CONNECTION TO BE USED FOR FLUSHING SEE DWG DM-20350 (E-11) & NOTE 6.
 9. QUICK DISCONNECTS MAY BE INSTALLED UPSTREAM OF PIPE CAPS AS DEEMED NECESSARY BY STATION STAFF TO FACILITATE VENT AND DRAIN OPERATIONS.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

21	3-22-07	JM	BJS	202	INCORP MMD 03-504 DCN 00, CR 07-04127 REV. 0
20	7/29/02	JM	MPW	BCS	INCORP CR 00-10577-01
19	6/24/02	BCS	JM	PEB	INCORP DCR 00-0020 DCN-00
18	10/25/01	BCS	MPW	TAS	REINCORP DCR 940045 CA#00
17	1/6/99	DWS	MPW	PEB	REINCORP DCR 940045 CA#00
16	11/4/98	BCS	MPW	MAP	INCORP DCR 960025 DCN# 02
15	5/26/98	MPW	BCS	MAP	REVISED PER FP 51349
14	5/28/97	DWS	MPW	VNS	INCORP DCR 960025 DCN# 0 & 960016 DCN# 1, ALSO RELOCATED INSTRUMENT REFERENCE NOTES "N" & "P" FROM THE BODY OF THE P&ID TO NOTE 4.
13	11-27-95	MPW	BCS	PEB	INCORP DCR 94-45 CA#2 & 1
12	7/7/95	BCL	MPW	DMD	INCORP MMD 92-590 CA#0
11	11/29/94	DWS	MPW	MMD	INCORP MMD 93-517, CA-0
10	4/14/94	BCL	MPW	DMD	INCORP MMD 93-517, CA-0
9	4/13/92	MRB	BCL	JEV	INCORP MMD 91-515, CA#0
8	12/16/91	RMC	FCB	BCL	INCORP MMD 91-511, CA#0
7	11/12/91	RMC	JM	JEV	INCORP DCR 88-447 CA#0
6	2/26/91	MRB	FCB	BCL	INCORP ECA 99/0805/090 & INCORP MMD 98-648 CA#0
5	3/22/88	GPM	BCL	RRC	REVISED PIPING, NOTES 4 & 5 & INSTR. REFERENCE SIGNAL, ADDED NOTES 7 & 8, VENT & DRAIN DESIGNATION & CONT. DWG. NO'S & ACCORD'S, DELETED: NNS-ICL BOUNDARY.
4	6/16/87	MRW	PAL	VNS	VALVES V1228 & V1227 SHOWN OPEN PER USA& P&ID, ADDED: WORD OVERFLOW TO 4" LINE, CODE BREAKS PUT BACK, REVISED CONT. REF. LETTER.
3	10/3/86	BCL	MAP	RRC	INCORP ECA 19/31870 & 19/080327A, MODIFIED SKID-B1 PER FP-71130, ADDED CONTINUATION REF'S & 05A1000 NOTE.
2	6/28/86	DWS	JDM	RRC	INCORP ECA 99/115870A, REVISED RM-SKD-B1 TO INCLUDE VALVES.
1	2/27/86	TAK	JDM	WFO	ISSUED FOR OPERATIONS AND INCORP. ECA'S 99/0805/090, 19/080327C AND 19/3187C
0	10/17/84	GO	RSL	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY**

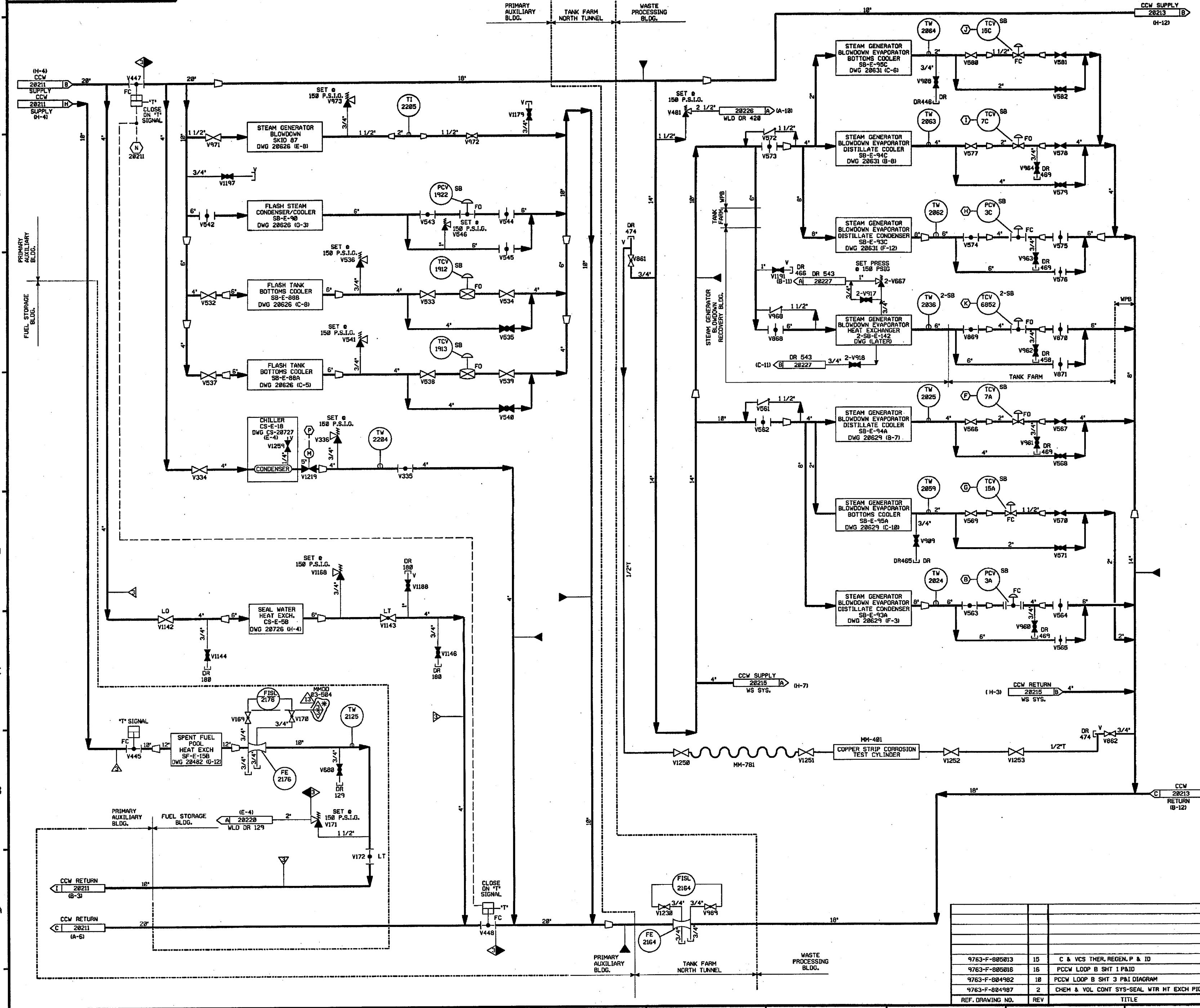
Seabrook Station

PRIMARY COMPONENT COOLING LOOP "B" DETAIL

PID- 1-CC-B20211

PID-1-CC-B20212

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



- NOTES:
- WORK THIS DRAWING WITH DRAWINGS 20204 THRU 20215.
 - ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX 1-CC UNLESS NOTED OTHERWISE.
 - INSTRUMENT REFERENCES:
 - (B) FROM SB-PT-3A DWG. 1-SB-20629
 - (E) FROM SB-TE-7A DWG. 1-SB-20629
 - (D) FROM SB-TE-15A DWG. 1-SB-20631
 - (H) FROM SB-PT-3C DWG. 1-SB-20631
 - (I) FROM SB-TE-7C DWG. 1-SB-20631
 - (J) FROM SB-TE-15C DWG. 1-SB-20631
 - (K) FROM SB-TE-6052 DWG. 1-SB-20627
 - (L) CLOSE ON HEAD TANK TK-198 LOW LEVEL SIGNAL.
 - (P) TO CS-PS-374A DWG. 1-CS-20727
 - VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-WHY-080111 UNLESS OTHERWISE NOTED.
 - OPERATING BANDS OF THESE CONTROL VALVES ARE ADJUSTED SUCH THAT THESE VALVES ARE CONTROLLED BETWEEN 5 TO 100% OPEN POSITION.
 - △ INDICATES REVISION LEVEL.
 - DELETED.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

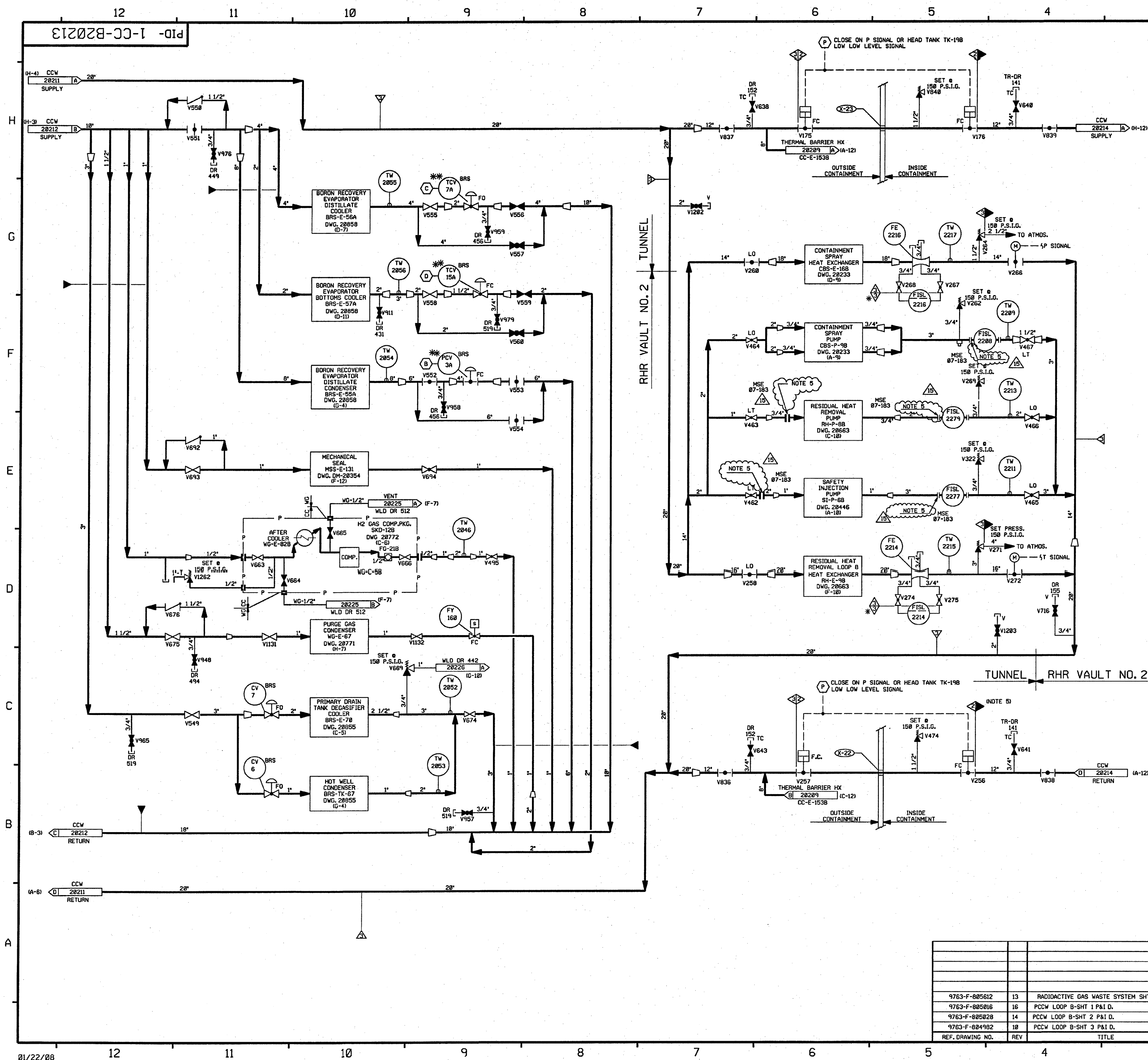
REV	DATE	DSGN	CHKD	CE	DESCRIPTION
13	10-3-86	JM	BES	RES	INCRP MMOD 03-504 DCN 00
12	6/4/83	BCS	JM	TAS	INCRP DCR 00-019 DCN-01
11	10/30/83	BCS	JM	TAS	INCRP DCR 00-019 DCN-01
10	10/16/82	JM	BCS	MPV	INCRP CR* 01-8376 REV 0
9	4/23/92	MRB	BCL	RRB	INCRP MMOD'S 91-511 CA8, 91-515 CA8 & 91-622 CA8
8	10/29/90	MRB	JM	BCL	INCRP MMOD 90-681 CA 0
7	9/24/90	MRB	JM	BCL	INCRP MMOD 90-516 CA 0
6	3/22/88	GPM	BCL	RRR	REVISED NOTES 3 & 4, INST. REFERENCE SIGNAL, VALVE NUMBER, ADDED CONT DWG NUMBERS & CORDS, DELETED UNIT 1 CL DESIGNATION
5	9/15/87	MPW	BCL	RRR	ADDED UNIT 2 PIPING & VALVES PER INSTALLED CONDITIONS & UE&C PAID 885637
4	8/16/87	MPW	PAL	VWS	INCRP ECA 99/1149648; ADDED FLEX HOSE VALVES V851 & V852 SHOWN OPEN AND DELETED V8001 & V8002 (N/A JAC VALVES)
3	10/3/86	PAL	MAP	RRR	ADDED 8000 VALVE NOS & CONT. DWG REFS REVISED BUILDING BOUNDARY IDENTIFICATION, REVISED PER ERECTION ISO CC-882-86, DELETED NOTE 7.

FPL ENERGY

Seabrook Station

PRIMARY COMPONENT COOLING
LOOP B
DETAIL

PID- 1-CC-B20212



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 20204 THRU 20215.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX I-CC UNLESS NOTED OTHERWISE.
 3. INSTRUMENT REFERENCES
(B) FROM BRS-PT-3A DWG. 20858
(C) FROM BRS-TE-7A DWG. 20858
(D) FROM BRS-TE-15A DWG. 20858
 4. VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER I-NHY-88511 UNLESS OTHERWISE NOTED.
 5. UNION OR FLANGED CONNECTION USED FOR PRE-PLANNED MAKEUP STRATEGY. SEE FPM9989.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

14	1-21-88	GPS	JW	INCORP MSE 07-183 REV 00
13	10/03/06	JM	BCS	INCORP MMOD 03-504 DCN 00
12	1/30/03	BCS	JM	INCORP DCR 00-019 DCN 00
11	12/19/02	JM	BCS	INCORP CR 02-10595 REV 00
10	5/25/02	JM	MPW	INCORP MSE 01-0110 REV 00
9	5/2/00	BCS	DWS	INCORP MMOD 99-574 DCN 00
8	9/28/95	BCL	MPW	INCORP MMOD 93-544 CA0
7	3/31/93	MRB	BCL	INCORP MMOD 92-553 CA0
6	4/23/92	MRB	BCL	INCORP MMOD'S 91-515 CA0 & 91-622 CA0
5	2/27/89	MRB	GPM	INCORPORATED DCR 88-85 CA0 REVISED NOTE 4 DELETED NNS-1 CLASS BOUNDARY ADDITIONAL LOCATION COORD. OF ASSOCIATED SYSTEM EQUIPMENT AND SYS. DWG. NO.'S
4	11/14/86	JDM	WRD	REMOVED SAFETY CLASS BREAKS FROM VENTS & DRAINS DUE TO THE USE OF NOTE 4 REMOVED PIPE SPEC BREAKS, CORRECTED VALVE TYPE, ADDED REF. DWG. & UPDATED REVS., CONT. DWG. COORDS., P&ID LEGEND NOTE.
3	9/12/86	MPW	MAP	CHANGED V640 & V641 TO GATE VALVES, REVISED PER NCR 73/78148, REVISED SKID PIPING PER FP-51177
2	6/28/86	JDM	DWS	GENERAL REV & ADDED CODE CLASS BREAK REV'D 9/11 TO GLOBE VALVE
1	2/27/86	TAK	JDM	ISSUED FOR OPERATIONS
0	10/17/84	GD	RSL	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE

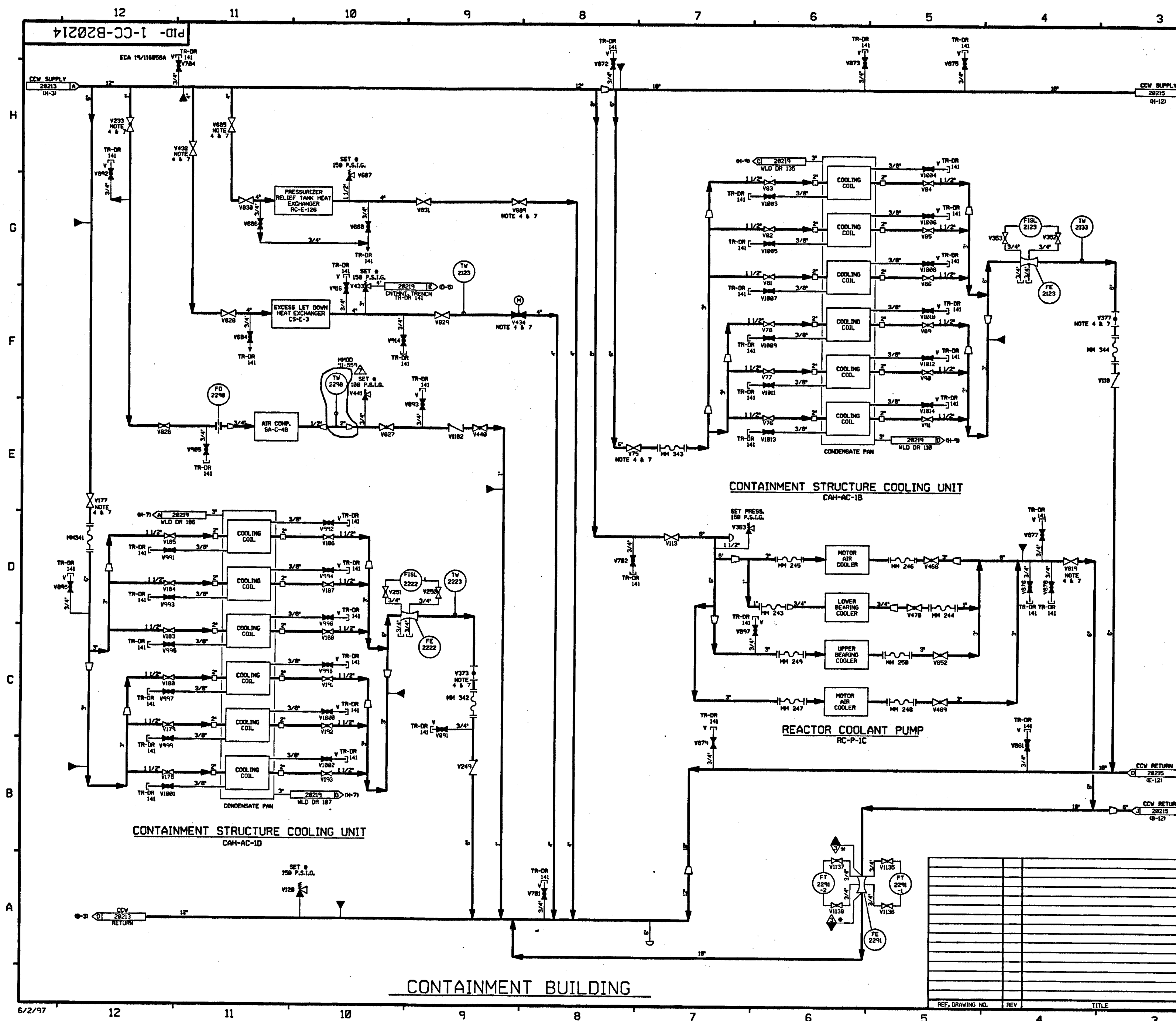
FPL ENERGY

Seabrook Station

PRIMARY COMPONENT COOLING
LOOP B
DETAIL

PID- 1-CC-B20213

REF. DRAWING NO.	REV	TITLE
9763-F-805612	13	RADIOACTIVE GAS WASTE SYSTEM SHT. 2 P&ID
9763-F-805016	16	PCCW LOOP B-SHT 1 P&ID
9763-F-805028	14	PCCW LOOP B-SHT 2 P&ID
9763-F-804982	10	PCCW LOOP B-SHT 3 P&ID



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

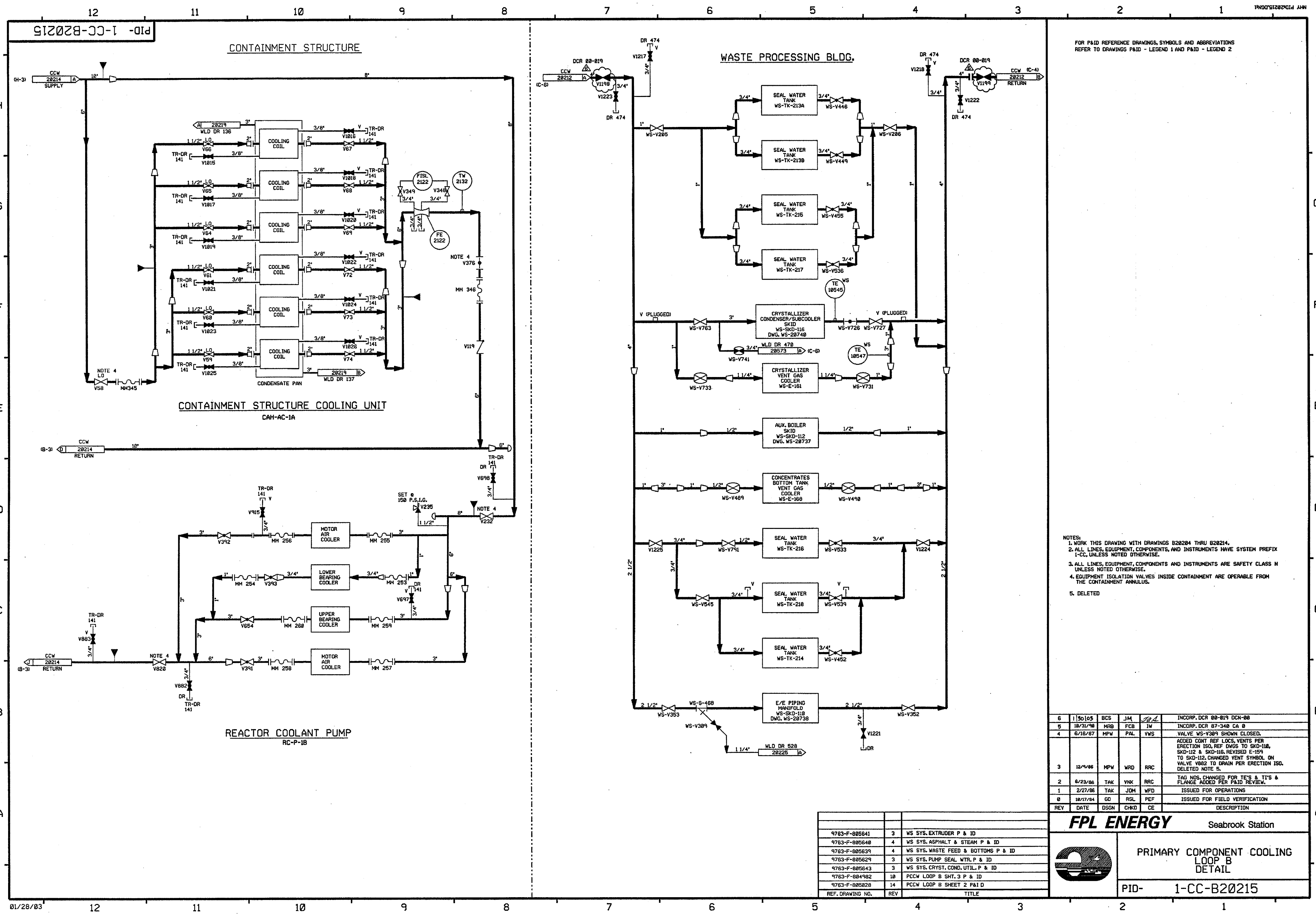
- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 28204 THRU 28215.
 2. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX 1-CC UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS ARE SAFETY CLASS 3 UNLESS NOTED OTHERWISE.
 4. EQUIPMENT ISOLATION VALVES INSIDE CONTAINMENT ARE OPERABLE FROM THE CONTAINMENT ANNULUS.
 5. VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER DESIGN STANDARD M-001 UNLESS OTHERWISE NOTED.
 6. Δ INDICATES REVISION LEVEL.
 7. PORTION OF SYSTEM HAS BEEN DOWNGRADED, HOWEVER PIPING SPECIFICATION HAS BEEN MAINTAINED TO SAFETY CLASS NOMENCLATURE. SOME COMPONENTS WITHIN THE NEW BOUNDARY HAVE BEEN PROCURED TO SAFETY CLASS 3 REQUIREMENTS, BUT USED IN N.A.S. SERVICE.

7	6/1/97	HPV	---	DWS	FAC	RLC	INCOMP. HMOO 91-259 CAP#8
6	4/14/94	BCL	---	HPV	DWS	DWS	INCOMP. HMOO 93-517 CAP#
5	10/28/90	BCL	---	MRB	DWS	WEZ	INCOMP. HMOO 91-259 CAP# (PARTIAL)
4	4/13/92	MRB	---	BCL	DWS	JEV	INCOMP. HMOO 91-515 CAP#
3	12/17/88	MRJ	DWS	PAL	BCL	RRC	ADDED CONT FLAG CORR'DS. NOTE 6, REVISED V 441 SET PRESS PER LEAC PAID, REMOVED CAP PER ERECTION ISO.
2	5/23/88	TAK	OK	VAK	JNCS	RRC	PER LATEST PAID REV.
1	2/27/88	YAK	WLS	JDM	UJM	WFD	ISSUED FOR OPERATIONS
0	10/17/84	GD	MRB	RSL	JMK	PEP	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	DRWN	CHKD	CODE	SES	DESCRIPTION

North Atlantic Energy Service Corporation

PRIMARY COMPONENT COOLING LOOP B DETAIL

PID- 1-CC-B20214



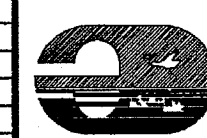
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS B20204 THRU B20214.
 2. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX 1-CC, UNLESS NOTED OTHERWISE.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS N UNLESS NOTED OTHERWISE.
 4. EQUIPMENT ISOLATION VALVES INSIDE CONTAINMENT ARE OPERABLE FROM THE CONTAINMENT ANNULUS.
 5. DELETED

6	1/30/05	BCS	JM	JAL	INCRP. DCR 00-019 DCN-00
5	10/31/98	MRB	FCB	JW	INCRP. DCR 87-340 CA 0
4	6/18/87	MPW	PAL	VWS	VALVE WS-V309 SHOWN CLOSED.
3	12/4/86	MPW	WRD	RRC	ADDED CONT. REF. LOC. VENTS PER ERECTION ISO, REF. DWS TO SKD-110, SKD-112 & SKD-116, REVISED E-159 TO SKD-112, CHANGED VENT SYMBOL ON VALVE V882 TO DRAIN PER ERECTION ISO. DELETED NOTE 5.
2	6/23/86	TAK	VNK	RRC	TAG NOS. CHANGED FOR TE'S & TI'S & FLANGE ADDED PER P&ID REVIEW.
1	2/27/86	TAK	JDM	WFD	ISSUED FOR OPERATIONS
0	10/17/84	GD	RSL	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

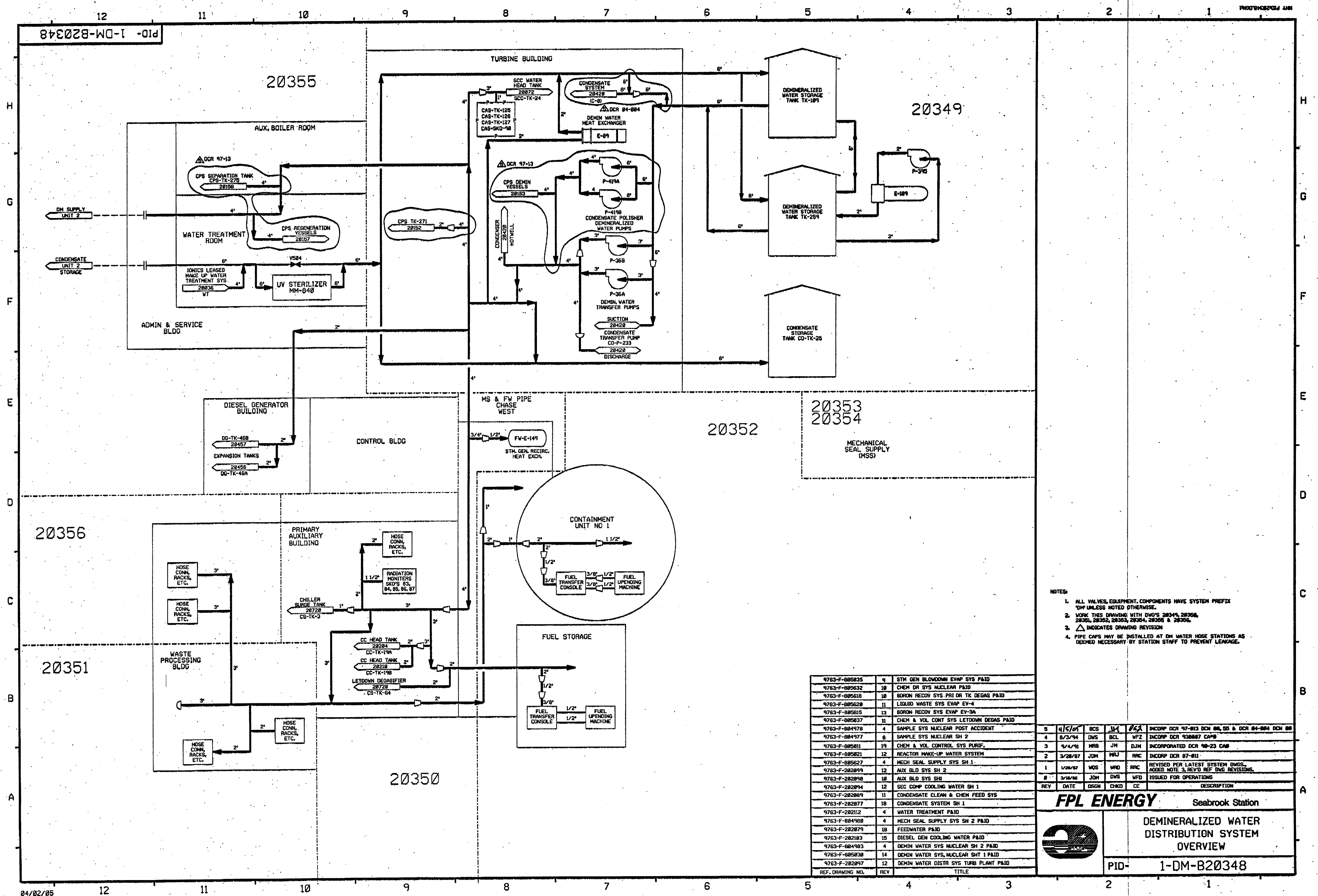
Seabrook Station

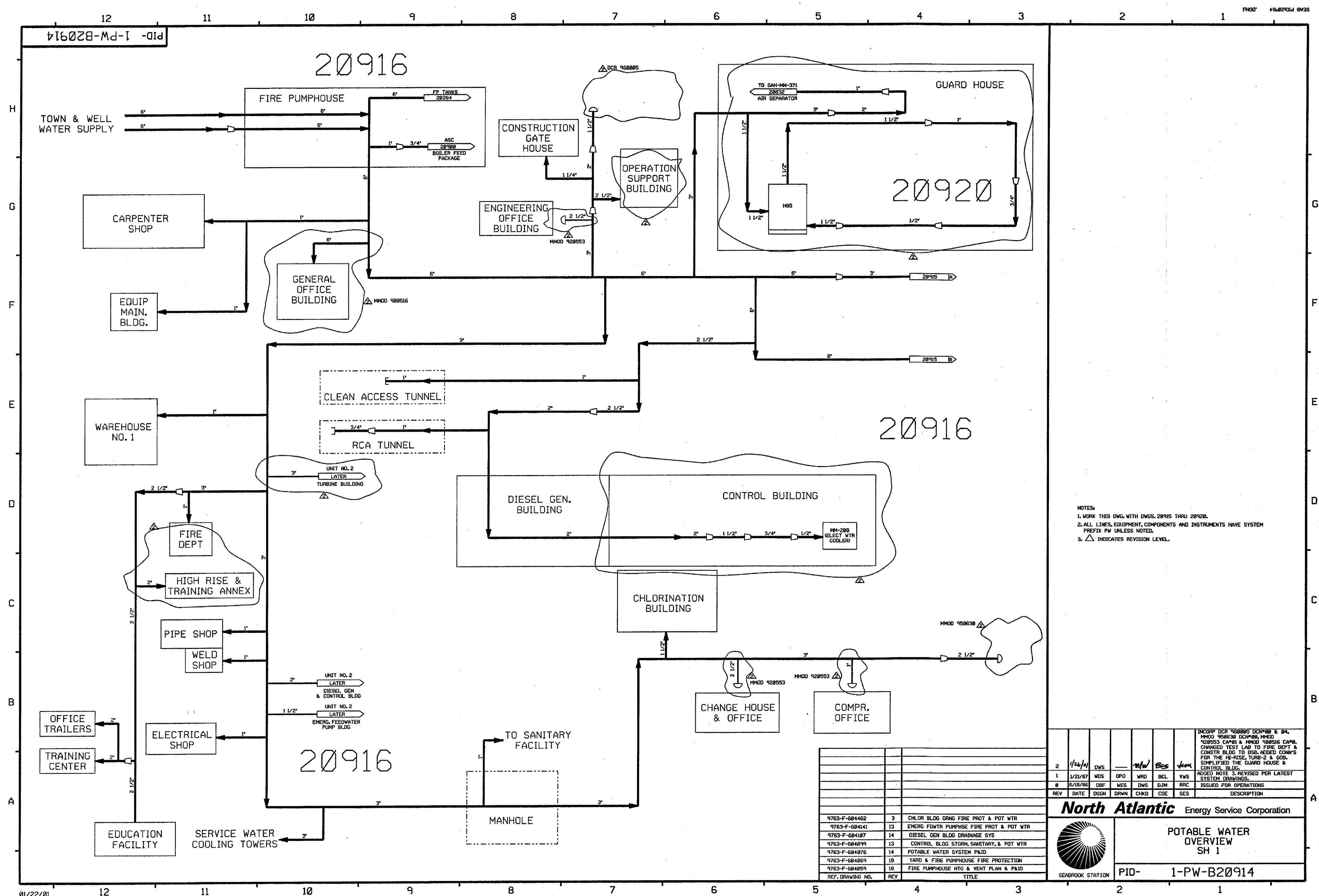


PRIMARY COMPONENT COOLING
LOOP B
DETAIL

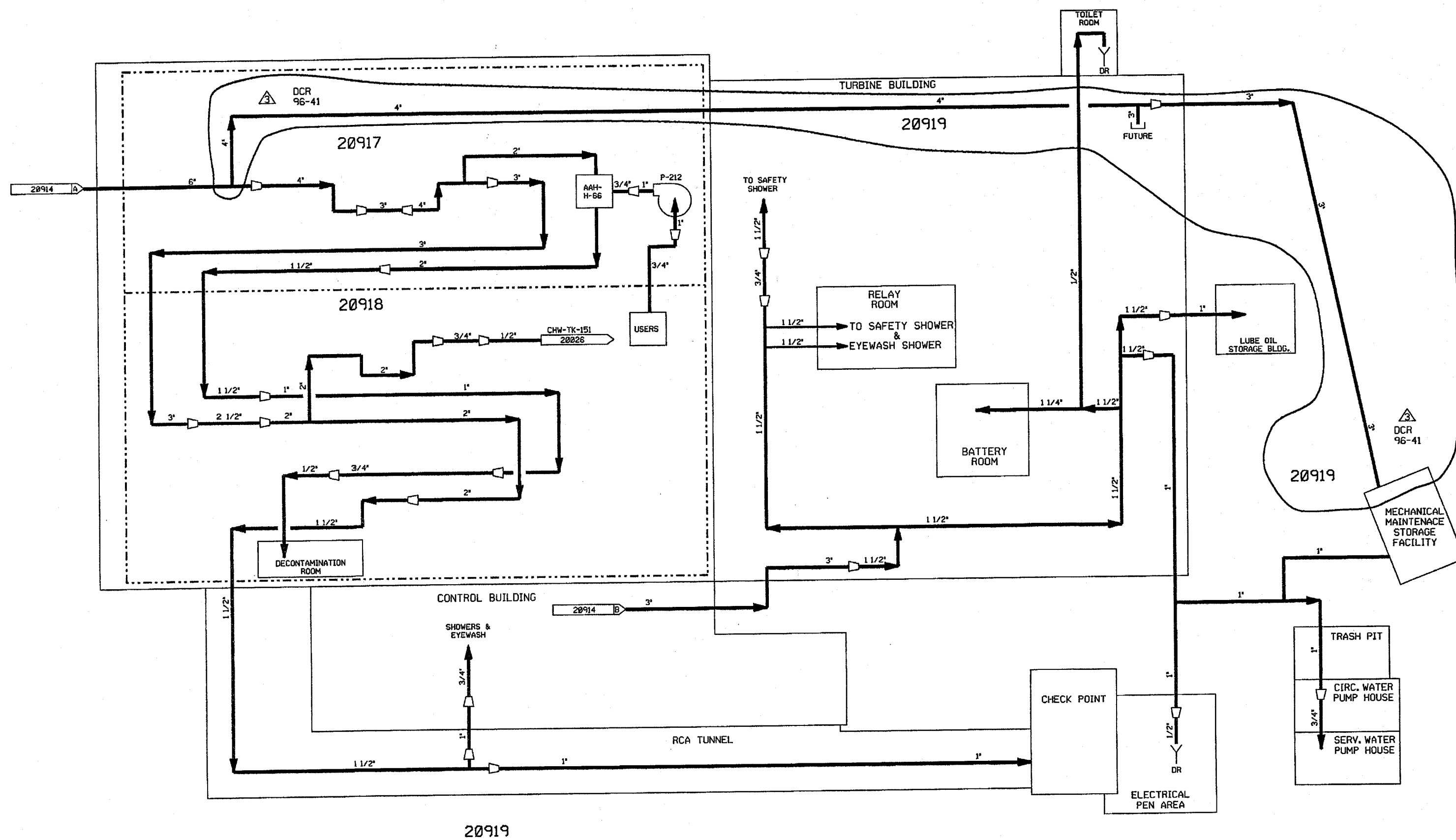
PID- 1-CC-B20215

REF. DRAWING NO.	REV	TITLE
9763-F-805641	3	WS SYS. EXTRUDER P & ID
9763-F-805640	4	WS SYS. ASPHALT & STEAM P & ID
9763-F-805639	4	WS SYS. WASTE FEED & BOTTOMS P & ID
9763-F-805629	3	WS SYS. PUMP SEAL WTR. P & ID
9763-F-805643	3	WS SYS. CRYST. COND. UTIL. P & ID
9763-F-804982	10	PCCW LOOP B SHT. 3 P & ID
9763-F-805028	14	PCCW LOOP B SHEET 2 P&ID





PID-1-PW-B20915



NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 20914, 20916 THRU 20920.
2. ALL LINES, EQUIPMENT, COMPONENT AND INSTRUMENTATION HAVE SYSTEM PREFIX PW, UNLESS NOTED OTHERWISE.
3. Δ INDICATES REVISION LEVEL.

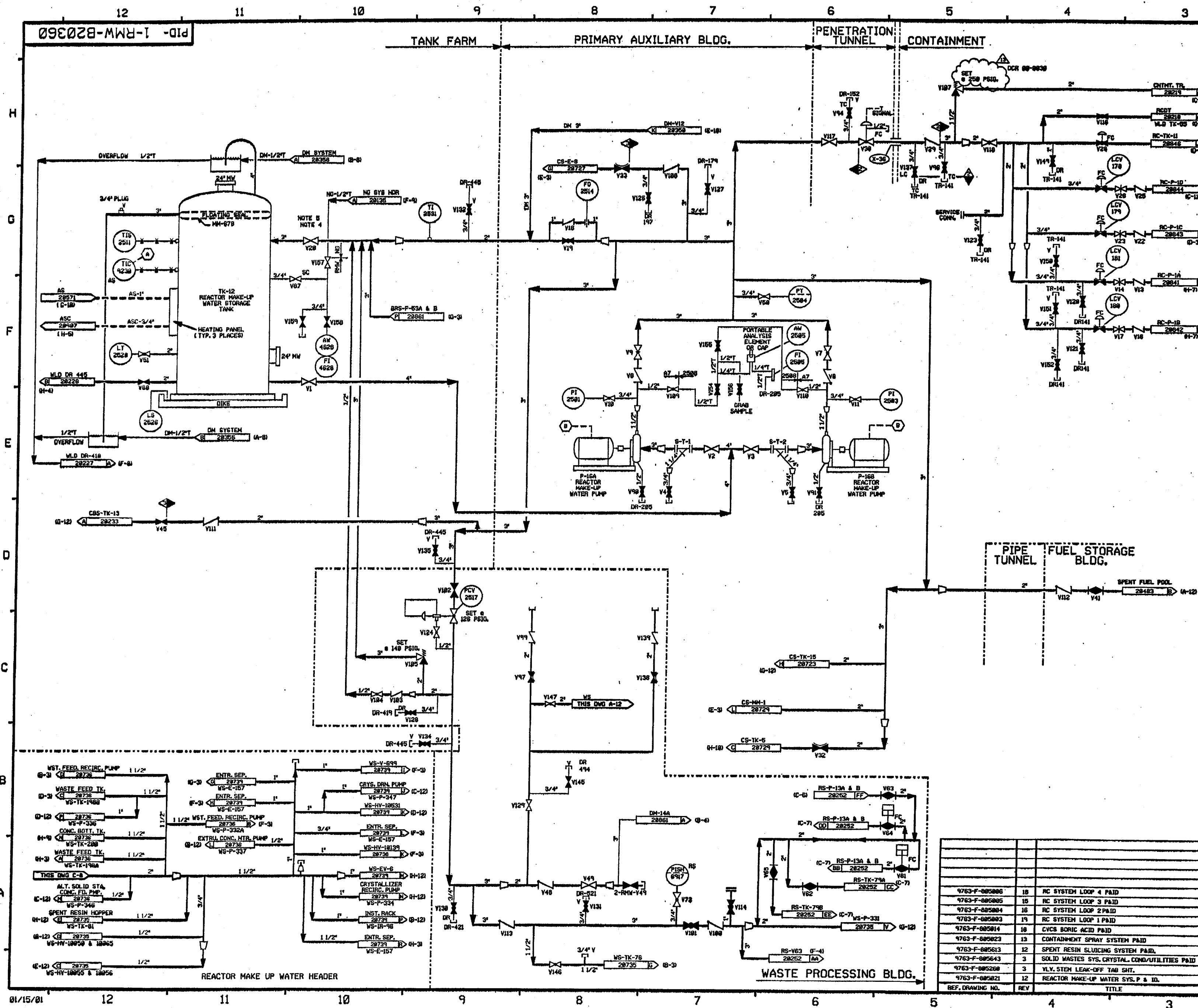
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
3	1/17/89	MPW		WJS	DWS	SA	INCRP DCR 96-41 DCN 00
2	10/22/91	DWS		MPW	BCS	SNC	INCRP HMOD 950585 CAPS
1	1/24/89	WDS	OPD	WRD	BCL	VMS	ADDED NOTE 3, REVISED PER LATEST SYSTEM DWGS.
0	6/18/86	DBF	MRB	DWS	DJM	RRR	ISSUED FOR OPERATIONS
14							CON. BLDG STRM, SANITARY & POT WTR PIPING
6							ADMIN & SERV BLDG, PLUMBING SPECIAL WASTE
14							CHLOR BLDG DRAIN, FIRE PROT, POT WTR SECT DETAILS
4							ADMIN & SERV BLDG PLUMB POT WTR FLOW DIA
14							EMERG FLOWTR PUMP BLDG HTR & VENT SYS PLANS
7							ELEC TUNNELS & UP & LOWER LEVELS, DRAINAGE FIRE PROT.
11							SERV. & CIRC PUMP HOUSE DRAINAGE SYS.
18							POTABLE WATERSYSTEM PIPING DIAGRAM
REF. DRAWING NO.	REV	TITLE					

North Atlantic Energy Service Corporation



POTABLE WATER
OVERVIEW
SH 2

PID- 1-PW-B20915



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

- NOTES:
1. RMW IS A ONE DRAWING SYSTEM, AN OVERVIEW IS NOT REQUIRED.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX RMW, UNLESS NOTED OTHERWISE.
 3. INSTRUMENTATION REFERENCE SYMBOLS:
(A) TO AS-TY-4238 ON DNG. 28077.
(B) FROM REACTOR COOLANT MAKE-UP CONTROL.
 4. V28 INTERVALS HAVE BEEN REMOVED SO THAT V28 CANNOT BE ISOLATED.
 5. VALVE V28 IS LOCATED OUTSIDE DOME.
 6. Δ - INDICATES REVISION LEVEL.
 7. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS MRS, UNLESS NOTED OTHERWISE.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
13	1/14/79	BCS	---	---	---	---	INCORP. DCR 88-0038 DCR-88
12	5/7/79	DVS	---	BCS	RMS	RMW	INCORP. HMO 97888 DCR-88
11	12/1/79	MPV	---	BCL	DMS	MRD	INCORP. HMO 95-015 CAS
10	4/14/79	MRS	---	BCL	DMS	JCV	INCORP. HMO'S 91-015 CAS & 91-022 CAS
9	8/21/79	MRS	---	JH	GPH	PER	INCORP. DCR 90-7 CAS
8	1/18/79	MRS	---	FCB	GPH	APL	INCORP. DCR 89-03 CAS
7	1/17/79	GPH	---	RNC	MRS	PLN	INCORP. HMO 94-552 CAS & 94-553 CAS
6	4/7/77	MRJ	---	HIV	GPH	BCL	ADDED V45 AND PIPING PER SECTION 100A, REMOVED DUPLICATED PIPING AND STAMP
5	9/25/76	JDH	---	OPD	MRD	BCL	ADDED CONTINUATION DRAWING CODES, LEGEND NOTE 7
4	1/12/76	MPV	---	TAK	MAP	BCL	REVISED PER SECTION PIPING ISSUES, REMOVED DUPLICATED PIPING, ADDED CONTINUATION, & NOTES 5, INCORP. ECA 95-1
3	6/21/76	JDH	---	SKN	BCL	JMS	UPDATE PER NEW REF. DNG. REV. INCORP. ECA 95-1000A, DCR 95-0877A
2	6/18/76	DFB	---	SEN	YAK	DFH	ADDED REFERENCES
1	2/5/76	MAL	---	DSB	JDH	ASK	REVISED CONTINUATIONS
0	1/18/76	DSN	---	MRD	JH1	PEF	ISSUED FOR FIELD VERIFICATION

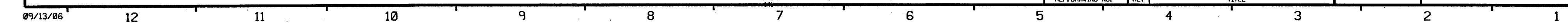
North Atlantic Energy Service Corporation



REACTOR MAKE-UP WATER
SYSTEM

PID- 1-RMW-B20360

SECURITY-RELATED INFORMATION – WITHHELD UNDER 5 U.S.C. SECTION 552(b)(4) AND 5 U.S.C. SECTION 552(b)(7)(F)



NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 28204 THRU 28208 & 28210 THRU 28215.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "1-CO" UNLESS NOTED OTHERWISE.
3. PERMANENT SPOOL PIECE INSTALLATION SHOWN. TEMPORARY STRAINER IS USED IN PLACE OF SPOOL PIECE DURING INITIAL FLUSHING OPERATION. STRAINER TO BE REMOVED BEFORE PLANT START-UP.
4. EQUIPMENT ISOLATION VALVES INSIDE CONTAINMENT ARE OPERABLE FROM THE CONTAINMENT ANNULUS.
5. VENT, DRAIN AND TEST CONN. CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-808911 UNLESS OTHERWISE NOTED.
6. Δ - INDICATES REVISION LEVEL.

PORTIONS OF THIS DRAWING ARE

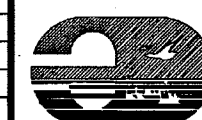
NUCLEAR SAFETY RELATED

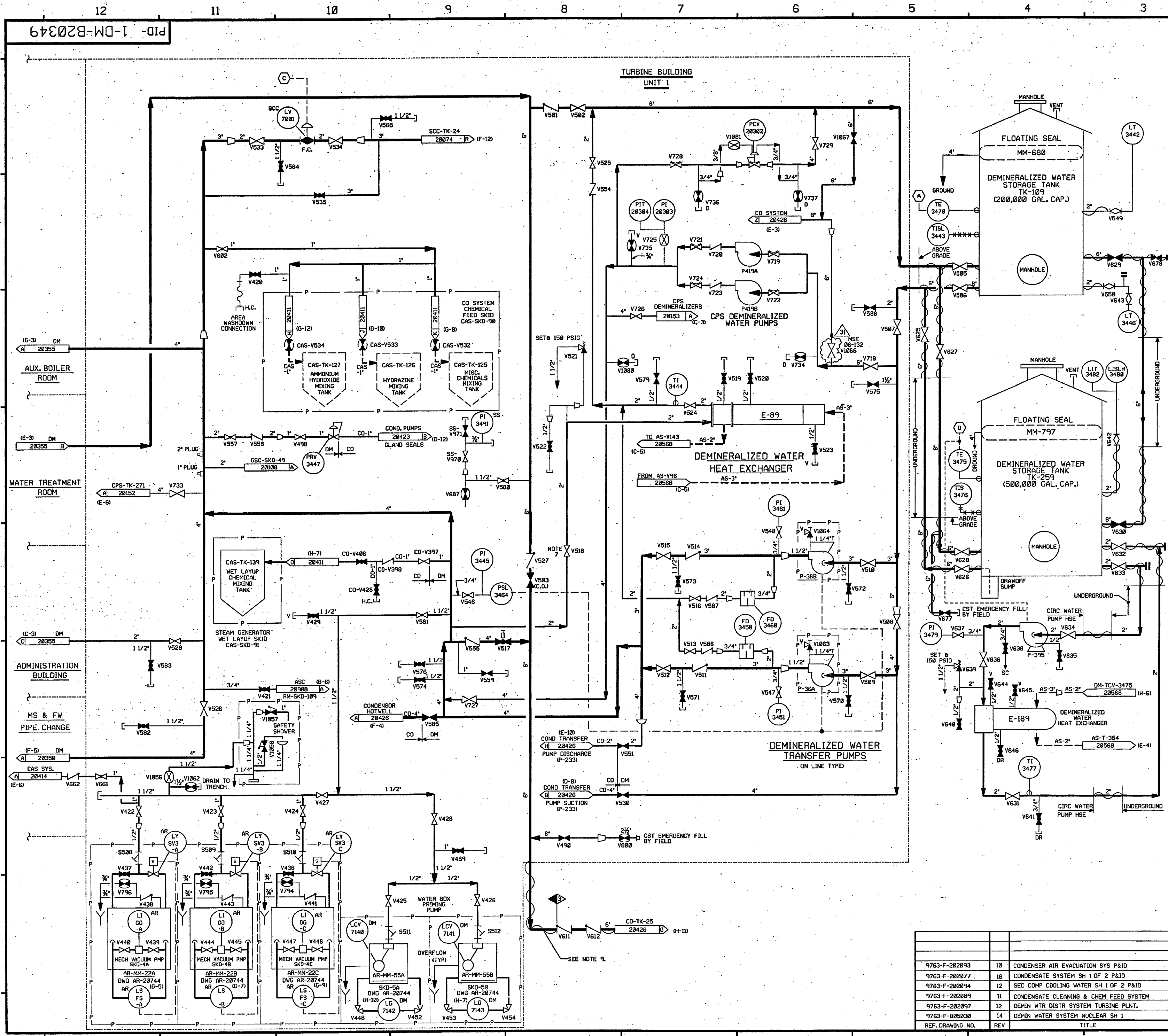
10	03-06	JM	RES	RES	INCORP. MMOD 03-504 DCN 00
9	2/14/02	BCS	MPW	DJM	REINCORP DCR 87-248 CA-07
8	4/22/94	DWS	BCL	QMD	INCORP. MMOD 920533 CA#8
7	4/23/92	MRS	BCL	JEV	INCORP. MMOD 91-515 CA9
6	10/29/90	MRB	JM	BCL	ADDED: V395 LABEL INCORP. MMOD 90-186 CA8
5	12/6/88	MRB	GPM	RRC	ADDED: RC PUMP CROSS REF, DMG, NO. DELETED: NWS 1 CLASS BOUNDARY, BREAK FLANGES INCORP. DCR'S 87-82 CA5 AND 87-248 CA7 REVISED: NOTE 5
4	6/18/87	MPW	PAL	VMS	ADDED PAID REF NOTE, DELETED CODE BREAKS PER NOTE 5, PIPING SPEC'S & SCREEN REF. REINCORP ECA 19/18/474, DELETED CODE & SPEC BREAK SYMBOLS PER NOTE 5, DELETED NOTE 7 AND VALVE DH-V352, SHOWN ON DH PAID, REVISED NOTE 5, REV PER UEAC PAID, ADDED DMG LOC. COORD.
3	8/22/86	MPW	DWS	PHH	
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

Seabrook Station

PRIMARY COMPONENT COOLING
THERMAL BARRIER LOOP
DETAIL

PID- 1-CC-B20209





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 28348 & 28350 THROUGH 28356.
 2. ALL LINES, EQUIPMENT, COMPONENTS & INSTR. ARE SYSTEM PREFIX 'DM' UNLESS OTHERWISE NOTED.
 3. ALL LINES, EQUIPMENT, COMPONENTS & INSTR. ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
 4. Δ DENOTES REVISION LEVEL.
 5. DELETED
 6. INSTRUMENT REFERENCES:
 - (A) TO AS-TCV-3470 ON DWG. 28058.
 - (C) TO SCC-LC-7001 ON DWG. 28074.
 - (D) TO DM-TCV-3475 ON DWG. 28058.
 7. CAUTION TO BE EXERCISED WHEN THROTTLING THIS VALVE TO REDUCE THE CONTINUOUS RECIRC FLOW IF STEAM IS AVAILABLE FOR HEAT EXCHANGER E-89. THERMAL CONDITIONS TO BE MONITORED TO ASSURE NO ADVERSE CONDITIONS EXIST.
 8. PIPE CAPS MAY BE INSTALLED AT DEMIN WATER HOSE STATIONS AS DEEMED NECESSARY BY STATION STAFF TO PREVENT LEAKAGE.
 9. THIS HEAT TRACING IS NONFUNCTIONAL.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

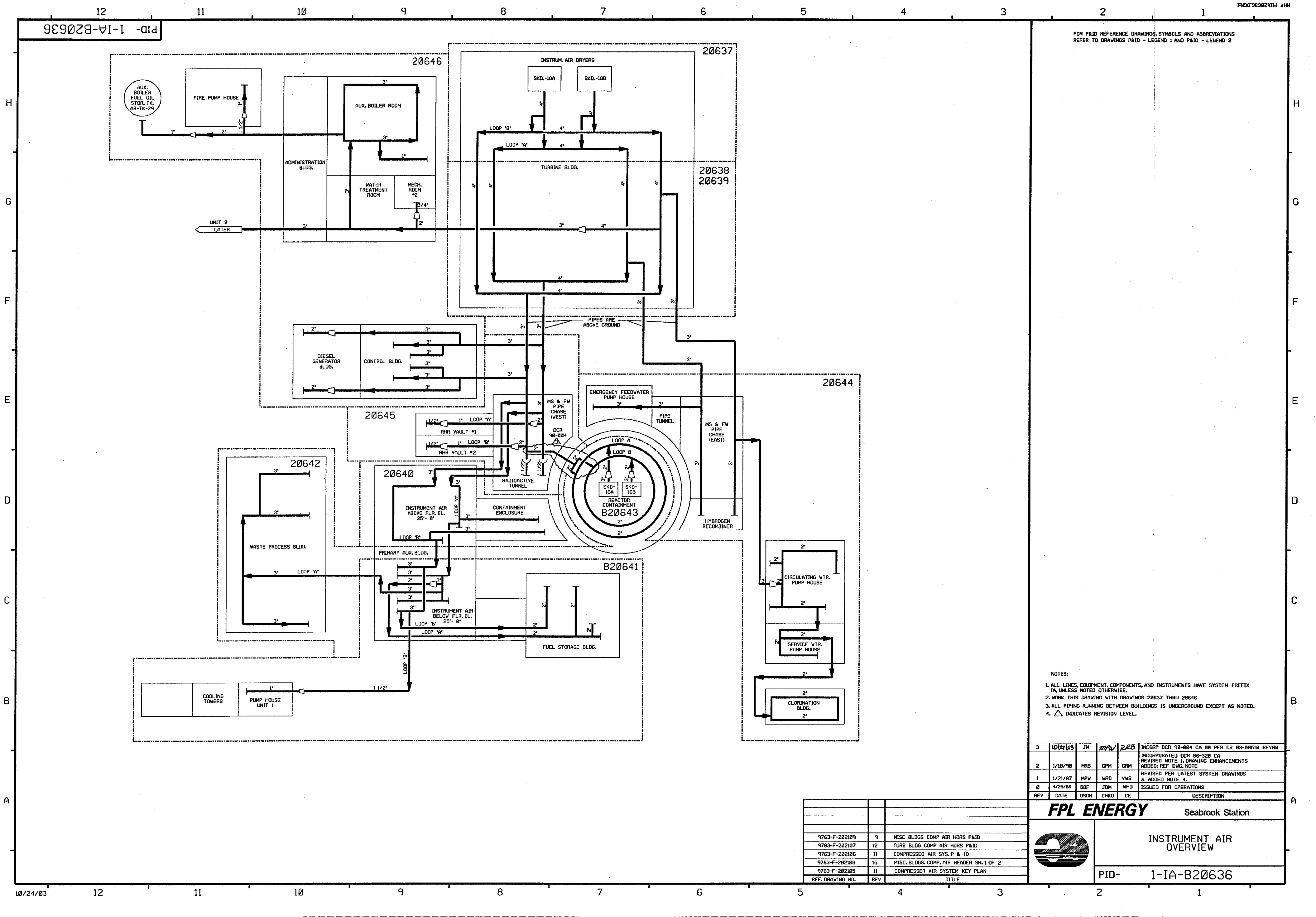
31	3-16-07	BCS	JM	MRB	INCORP MSE 06-132 REV. 0
30	4/27/06	JM	BCS	DMO	INCORP MMOD 01-501 DCN 00
29	4/28/05	BCS	JM	PAL	INCORP DCR 97-13 DCN 00, 55, 144, 180 & 201
28	1/24/05	JM	BCS	RRB	INCORP DCR 04-004 DCN 00 & 06
27	11/18/04	JM	BCS	DJM	PARTIAL INCORP DCR 04-004 DCN 00
26	10/28/04	BCS	JM	RRB	INCORP CR 04-09047 REV. 0
25	2/28/03	BCS	JM	MRB	INCORP MSE 01-8306 REV. 0
24	10/1/02	JM	BCS	MPW	INCORP CR 01-04634 REV 00 & ECA 99-117432A
23	3/14/02	JM	MPW	BCS	REINCORP MMOD 00-0534 DCN 00 AND CR 02-02972 REV 01
22	11/2/01	BCS	JLS	MPW	INCORP MSE 01-0271 REV. 0
21	10/23/01	BCS	MPW	GRM	INCORP MMOD 00-534 DCN-00
20	9/22/98	BCS	MPW	RSG	INCORP MMOD 96-636 DCN-00
19	6/9/98	BCS	MPW	RSG	PARTIAL INCORP MMOD 96-636 DCN-00
18	5/22/98	BCS	DWS	RSG	REINCORP MMOD 96-636 DCN 00-PARTIAL
17	5/20/98	DRL	BCS	RSG	INCORP MMOD 96-636 DCN 00
16	7/30/97	MPW	BCS	VWS	INCORP MMOD 96-550 DCN 01
15	11/20/96	MPW	BCS	DJM	INCORP DCR 95-038 DCN 0, 02 & 04
14	10/23/96	MPW	DWS	MPW	INCORP MMOD 96-625 CA0
13	10/23/96	BCL	MPW	GRM	INCORP DCR 94-827 CA-0
12	8/3/94	DWS	BCL	VEZ	INCORP DCR 930807 CA#1
11	5/9/94	BCL	JWB	HMM	INCORP MMOD 94-519 CA0
10	3/31/93	MRB	BCL	JCM	INCORP MMOD 92-553 CA0
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY Seabrook Station

DEMINERALIZED WATER
DISTRIBUTION SYSTEM
TURBINE BLDG

PID- 1-DM-B20349

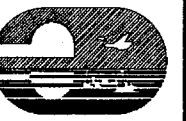
REF. DRAWING NO.	REV	TITLE
9763-F-282093	10	CONDENSER AIR EVACUATION SYS P&ID
9763-F-282077	10	CONDENSATE SYSTEM SH 1 OF 2 P&ID
9763-F-282094	12	SEC COMP COOLING WATER SH 1 OF 2 P&ID
9763-F-282089	11	CONDENSATE CLEANING & CHEM FEED SYSTEM
9763-F-282097	12	DEMIN WTR DISTR SYSTEM TURBINE PLNT.
9763-F-805030	14	DEMIN WATER SYSTEM NUCLEAR SH 1



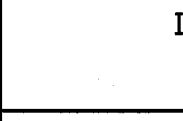
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
- 1. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX (A), UNLESS NOTED OTHERWISE.
 - 2. WORK THIS DRAWING WITH DRAWINGS 20637 THRU 20646
 - 3. ALL PIPING RUNNING BETWEEN BUILDINGS IS UNDERGROUND EXCEPT AS NOTED.
 - 4. Δ INDICATES REVISION LEVEL.

3	10/27/03	JM	MPW	REB	INCRP DCR 98-004 CA 00 PER CR 03-00510 REV00
2	1/18/98	MRB	GPM	GRM	INCORPORATED DCR 86-320 CA REVISED NOTE 1, DRAWING ENHANCEMENTS ADDED; REF. DWG. NOTE
1	1/21/87	MPW	WRD	VMS	REVISED PER LATEST SYSTEM DRAWINGS & ADDED NOTE 4.
0	4/25/86	DBF	JDM	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY**

Seabrook Station

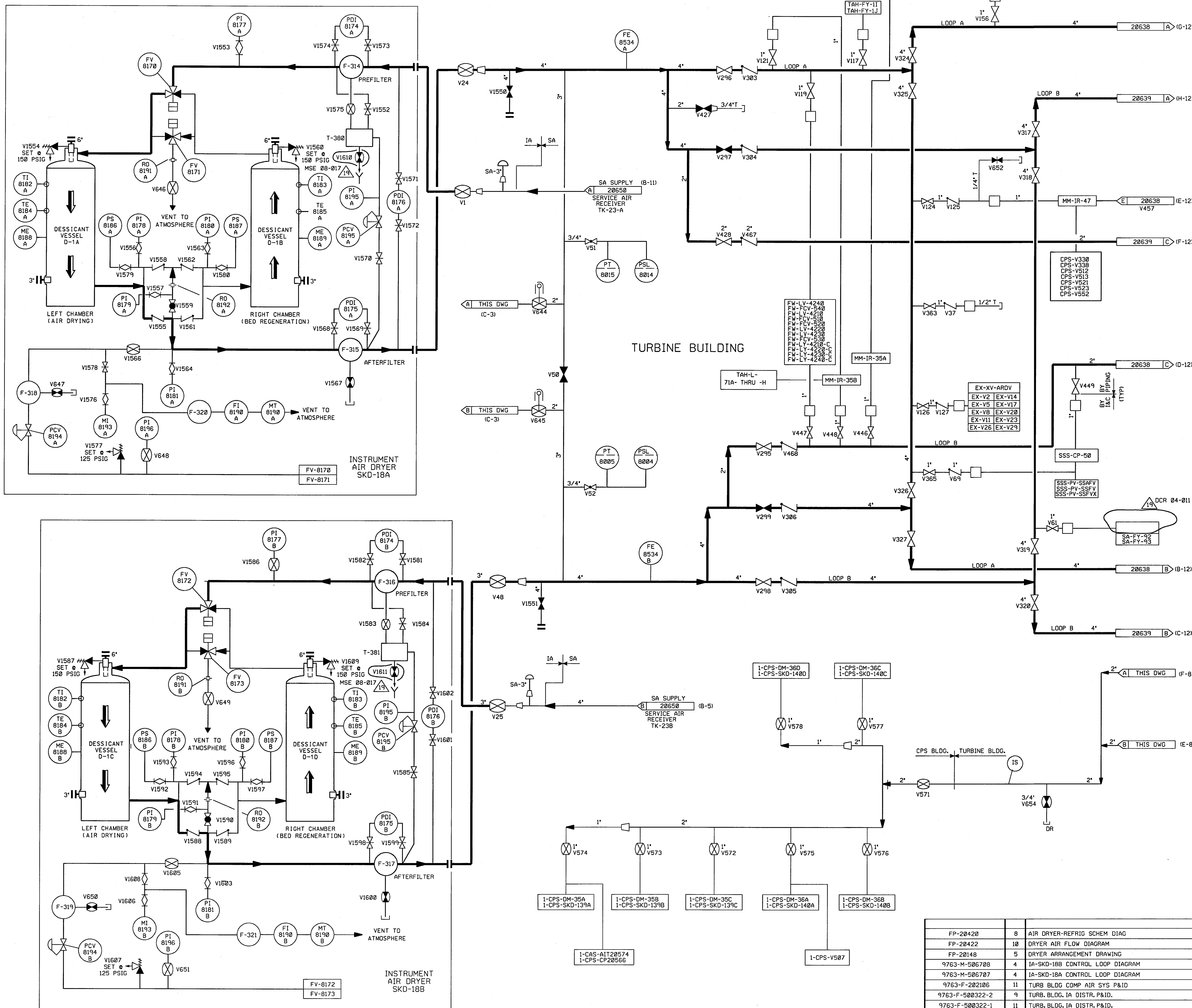
**INSTRUMENT AIR OVERVIEW**

PID- 1-IA-B20636

REF. DRAWING NO.	REV	TITLE
9763-F-202109	9	MISC BLDGS COMP AIR HDRS P&ID
9763-F-202107	12	TURB BLDG COMP AIR HDRS P&ID
9763-F-202106	11	COMPRESSED AIR SYS. P & ID
9763-F-202108	15	MISC. BLDGS. COMP. AIR HEADER SH. 1 OF 2
9763-F-202105	11	COMPRESSOR AIR SYSTEM KEY PLAN

PID-1-1A-B20637

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



- NOTES:
1. ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX IA, UNLESS NOTED OTHERWISE.
 2. WORK THIS DRAWING WITH DRAWINGS 20636 AND 20638 THRU 20646.
 3. DENOTES DUAL AIR FILTER.
 4. ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS.
 5. P&ID SHOWN FOR INSTR. AIR DRYERS 18A & B DEPICTS AIR SIDE ONLY. FOR REFRIGERATION SIDE OF DRYERS REFER TO FP20420.
 6. INSTRUMENTATION ON THIS DWG DOWNSTREAM OF THE PIPING ROOT VALVE CONNECTIONS HAS NOT BEEN FIELD VERIFIED; EXCEPT V447, V448, V446, V117, V156, V121, V119, & SUPPLY TO IA-MM-759.
 7. INDICATES REVISION LEVEL.
 8. VALVE SYMBOL MAY NOT BE REPRESENTATIVE OF INSTALLED COMPONENT TYPE, REFER TO VALVE LIST.

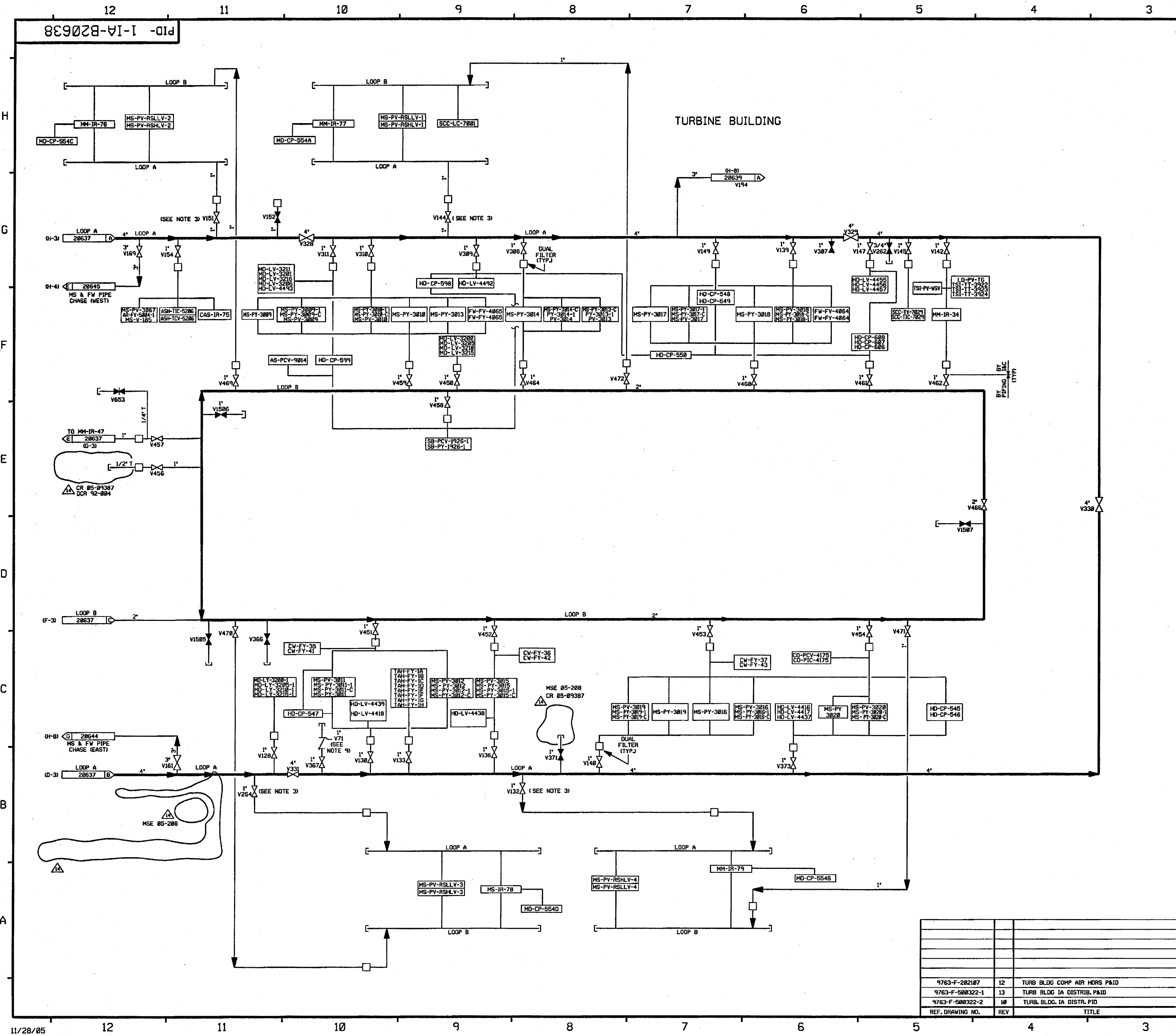
19	6/5/08	JM	APS	DEA	INCCORP DCR 04-011 DCN 00 & MSE 08-017 REV 00
18	11/30/05	JM	BCS	DEA	INCCORP CR 05-09387 REV 00, REINCCORP DCR 92-004 CA00
17	4/19/05	BCS	JM	PAL	INCCORP DCR 97-13 DCN 50, 55, 174
16	12/17/02	BCS	JM	MKC	INCCORP DCR 00-0014 DCN-00, 01, 02, 07
15	10/31/02	BCS	MPW	MKC	INCCORP DCR 00-0014, DCN-11
14	10/04/02	BCS	MPW	MKC	PARTIAL INCCORP DCR 00-0014, DCN-00
13	9/30/02	BCS	MPW	MKC	PARTIAL INCCORP DCR 00-0014, DCN-00
12	8/21/02	BCS	MPW	MKC	PARTIAL INCCORP DCR 00-0014, DCN-00
11	5/22/01	BCS	MPW	MKC	INCCORP ECA 99/1172678
10	6/15/00	BCS	MPW	JCM	INCCORP DCR 98-41 DCN-00
9	6/16/97	MPW	DWS	DJM	REINCCORP DCR 930016 CA*1
8	1/31/96	BCS	MPW	RSO	INCCORP MMOD 95-570 CA-0
7	3/24/94	DWS	BCL	WFZ	INCCORP DCR 930016 CA*1
6	11/10/92	MRB	DWS	IW	INCCORP DCR 92-004 CA0
5	10/29/90	MRB	DSB	BCL	INCCORP MMOD 90-601 CA00
4	8/11/88	GPM	APL	RRR	INCCORP DCR 86-341CA4; REVISED NOTE 6 ADDED DISCIPLINE BOUNDARY
3	12/28/87	MPW	BCL	DJM	INCCORP DCR 87-371 REVISED NOTE A
2	10/28/87	MAP	BCL	RRR	INCCORP ECA 99/117378C, PROVIDED LINE SIZES FOR SKID PIPING; ADDED COUPLINGS, FLANGES & MISC. ITEMS PER F.P. ADDED CONTINUATION FLAG COORDINATES; ADDED NOTES 5, 6 & 7.
1	6/27/86	JDM	WRD	RRR	FLANGES ADDED, V449 RELOCATED PER NAY WALKDOWN; ADDED LINE SIZES TO SKID PIPING; ADDED REF. DWGS.
0	4/25/86	DBF	VNK	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY Seabrook Station

INSTRUMENT AIR
TURBINE BUILDING
DETAIL

PID- 1-1A-B20637

REF. DRAWING NO.	REV	TITLE
FP-20420	8	AIR DRYER-REFRIG SCHEM DIAG
FP-20422	10	DRYER AIR FLOW DIAGRAM
FP-20148	5	DRYER ARRANGEMENT DRAWING
9763-M-506708	4	IA-SKD-18B CONTROL LOOP DIAGRAM
9763-M-506707	4	IA-SKD-18A CONTROL LOOP DIAGRAM
9763-F-202106	11	TURB BLDG COMP AIR SYS P&ID
9763-F-500322-2	9	TURB. BLDG. IA DISTR. P&ID.
9763-F-500322-1	11	TURB. BLDG. IA DISTR. P&ID.
9763-F-202107	12	TURB. BLDG. COMP. AIR HDRS. P&ID.



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

NOTES:

- ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX IA, UNLESS NOTED OTHERWISE.
- WORK THIS DRAWING WITH DRAWINGS 28636, 28637 & 28639 THRU 28646.
- THE FOLLOWING VALVES ARE FOR SERVICING THE OPERATING FLOOR, V-254, V-132, V-244 & V-151.
- DENOTES DUAL AIR FILTER
- ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NMS, UNLESS NOTED OTHERWISE.
- INSTRUMENTATION ON THIS DWG. DOWNSTREAM OF THE PIPING ROOT VALVE CONNECTION HAS NOT BEEN FIELD VERIFIED, EXCEPT SUPPLY TO IA-MM-760.
- SYSTEM DESCRIPTION IS SD-4.
- VALVE SYMBOL MAY NOT BE REPRESENTATIVE OF INSTALLED COMPONENT TYPE, REFER TO VALVE LIST.
- INTERNALS OF IA-V71 HAVE BEEN REMOVED AND VALVE IS NON-FUNCTIONAL.

FPL ENERGY Seabrook Station

INSTRUMENT AIR TURBINE BUILDING DETAIL

PID- 1-IA-B20638

REF. DRAWING NO.	REV	TITLE
9763-F-282107	12	TURB BLDG COMP AIR HORS PAID
9763-F-508322-1	13	TURB BLDG IA DISTRIB. P&ID
9763-F-508322-2	10	TURB. BLDG. IA DISTR. PID

PID-1-1A-B20639

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

- NOTES:
1. ALL PIPING, VALVES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX 1A, UNLESS NOTED OTHERWISE.
 2. WORK THIS DRAWING WITH DRAWINGS 20636 THRU 20638, & 20640 THRU 20646.
 3. DENOTES DUAL AIR FILTER.
 4. ALL PIPING, VALVES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
 5. DELETED
 6. INDICATES REVISION LEVEL
 7. VALVE SYMBOL MAY NOT BE REPRESENTATIVE OF INSTALLED COMPONENT TYPE. REFER TO VALVE LIST.
 8. INDICATES INSTRUMENTATION DOWNSTREAM OF PIPING ROOT VALVE HAS BEEN VERIFIED. SEE INSTRUMENT AIR DETAIL DRAWING 1-NHY-550007.

14	1/16/06	BCS	JMA	WFO	INCORP DCR 05-004 DCM-01
13	4/22/05	BCS	GPS	PAL	INCORP DCR 97-13 DCM-00, 50, DCR 02-016 DCM-12, DCR 02-015 DCM-00
12	2/18/05	BCS	JM	RRB	INCORP CR 03-00747, 03-00749, 03-06014, 03-04137, 03-06015, 05-01952
11	2/7/05	BCS	JM	PAL	INCORP DCR 97-13, DCM-124
10	11/1/00	MPW	DWS	STB	INCORP MMD 99-511 DCM 00 7 06
9	6/18/97	MPW	DWS	GRM	INCORP MMD 95-550 DCM 01, DCR'S 92-59, 93 & 95-39 CA, 29 & DCM
8	1/31/96	BCS	MPW	RSG	INCORP MMD 95-570 CA0
7	11/6/92	MRB	BCL	RSG	INCORP DCR 92-20, CA-06 AND DCR 91-40 CA01
6	11/21/90	WDS	RRC	BEB	INCORP DCR 90-027 CA02
5	10/12/90	MRB	FCB	ES	INCORP DCR 87-130 CA0
4	3/31/90	MRB	HP	RRC	INCORP DCR 90-9 CA0 DELETED NOTE 5
3	12/29/89	MRB	HP	WFO	INCORP MMD 89-546 CA02 REVISED NOTE 4
2	11/26/86	WDS	WRD	RRC	REMOVED CHANGE ITEM 1 PER ASSEMBLY CONDITION, REMOVED CHG ITEM 2-DETAIL WAS FOR UNIT 2 ONLY, REVISED DRAFTING ERRORS, REINSTATED V-408 PER DR 02/00/96, ADDED CONT DNG REF COORD. & NOTE 5 & 6.
1	6/23/86	CB	VNK	RRC	REVISED PER DR 82/189A
0	4/26/86	CB	JDM	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

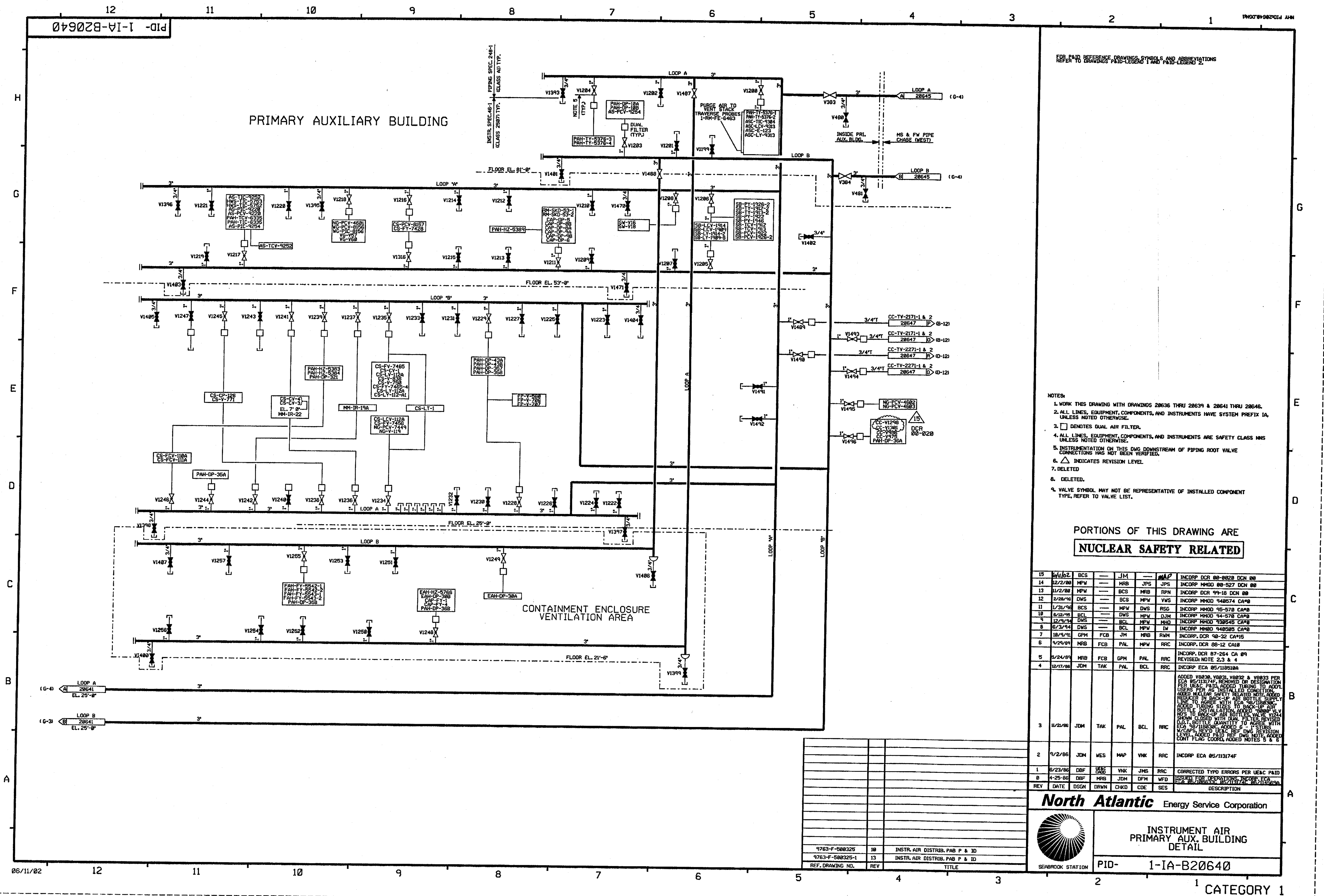
FPL ENERGY Seabrook Station



INSTRUMENT AIR
TURBINE BUILDING
DETAIL

PID- 1-1A-B20639

REF. DRAWING NO.	REV	TITLE
9763-F-202107	12	TURBINE BUILDING COMP AIR HORS P & ID
9763-F-508322-2	10	TURBINE BUILDING IA DISTR. PID.



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 28636 THRU 28639 & 28641 THRU 28648.
ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX 1A, UNLESS NOTED OTHERWISE.
- 2. ☐ DENOTES DUAL AIR FILTER.
- 3. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS ARE SAFETY CLASS NNS UNLESS NOTED OTHERWISE.
- 4. INSTRUMENTATION ON THIS DWG DOWNSTREAM OF PIPING ROOT VALVE CONNECTIONS HAS NOT BEEN VERIFIED.
- 5. INDICATES REVISION LEVEL.
- 6. DELETED
- 7. DELETED.
- 8. VALVE SYMBOL MAY NOT BE REPRESENTATIVE OF INSTALLED COMPONENT TYPE. REFER TO VALVE LIST.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

15	6/11/82	BCS	---	JM	---	MAP	INCRP DCR 00-8022 DCM 00
14	12/2/80	MPW	---	MRB	JPS	JPS	INCRP MMD 00-527 DCM 00
13	11/2/80	MPW	---	BCS	MRB	RPN	INCRP DCR 99-18 DCM 00
12	2/28/76	BCS	---	BCS	MPW	VWS	INCRP MMD 940574 CA#8
11	1/31/76	DWS	---	MPW	DWS	RSG	INCRP MMD 95-578 CA#8
10	6/12/76	BCL	---	DWS	MPW	DJM	INCRP MMD 94-578 CA#8
9	12/2/76	MRB	---	BCL	MPW	MWD	INCRP MMD 930945 CA#8
8	6/3/74	DWS	---	BCL	MPW	IV	INCRP MMD 940528 CA#8
7	10/9/71	GPM	FCB	JM	MRB	RWM	INCRP DCR 90-32 CA#15
6	9/29/69	MRB	FCB	PAL	MPW	RRR	INCRP DCR 68-12 CA#18
5	5/24/69	MRB	FCB	GPM	PAL	RRR	INCRP DCR 87-264 CA 09 REVISED NOTE 2,3 & 4
4	12/17/68	JDM	TAK	PAL	BCL	RRR	INCRP ECA 05/181594
3	11/2/66	JDM	TRW	PAL	BCL	RRR	ADDED V9836, V9831, V9832 & V9833 PER ECA 05/113174F. REMOVED OR DESIGNATION PER UEAC. PAID. ADDED TURING TO APOOL USERS PER AS INSTALLED CONDITION. ADDED M4568. RELATED NOTES. REDUCED IN BACK-UP AIR BOTTLE SUPPLY LINE. LOWER SUPPLY AIR. ADDED TURING SIZES TO BACK-UP AIR BOTTLE SUPPLY LINE. ADDED 1/2" NPS TO BACK-UP AIR BOTTLES. VALVE 1/2"24. SUPPLY LINE. ADDED 1/2"24. D.O.T. BOTTLE QUANTITY TO AGREE WITH VYCAPS. REV'D UEAC REF. DNG REVISION. LEAD. ADDED TURING. ADDED CUNT FLAC CORR'D. ADDED NOTES 8 & 9
2	9/2/86	JDM	WES	MAP	VNK	RRR	INCRP ECA 05/113174F
1	6/23/86	DBF	UEAC	VNK	JMS	RRR	CORRECTED TYPO ERRORS PER UEAC PAID
0	4-25-86	DBF	MRB	JDM	DFM	WFD	ISSUED FOR OPERATIONS INCRP 87-124 00-8022 DCM 00
REV	DATE	DSGN	DRWN	CHKD	CDO	SES	DESCRIPTION

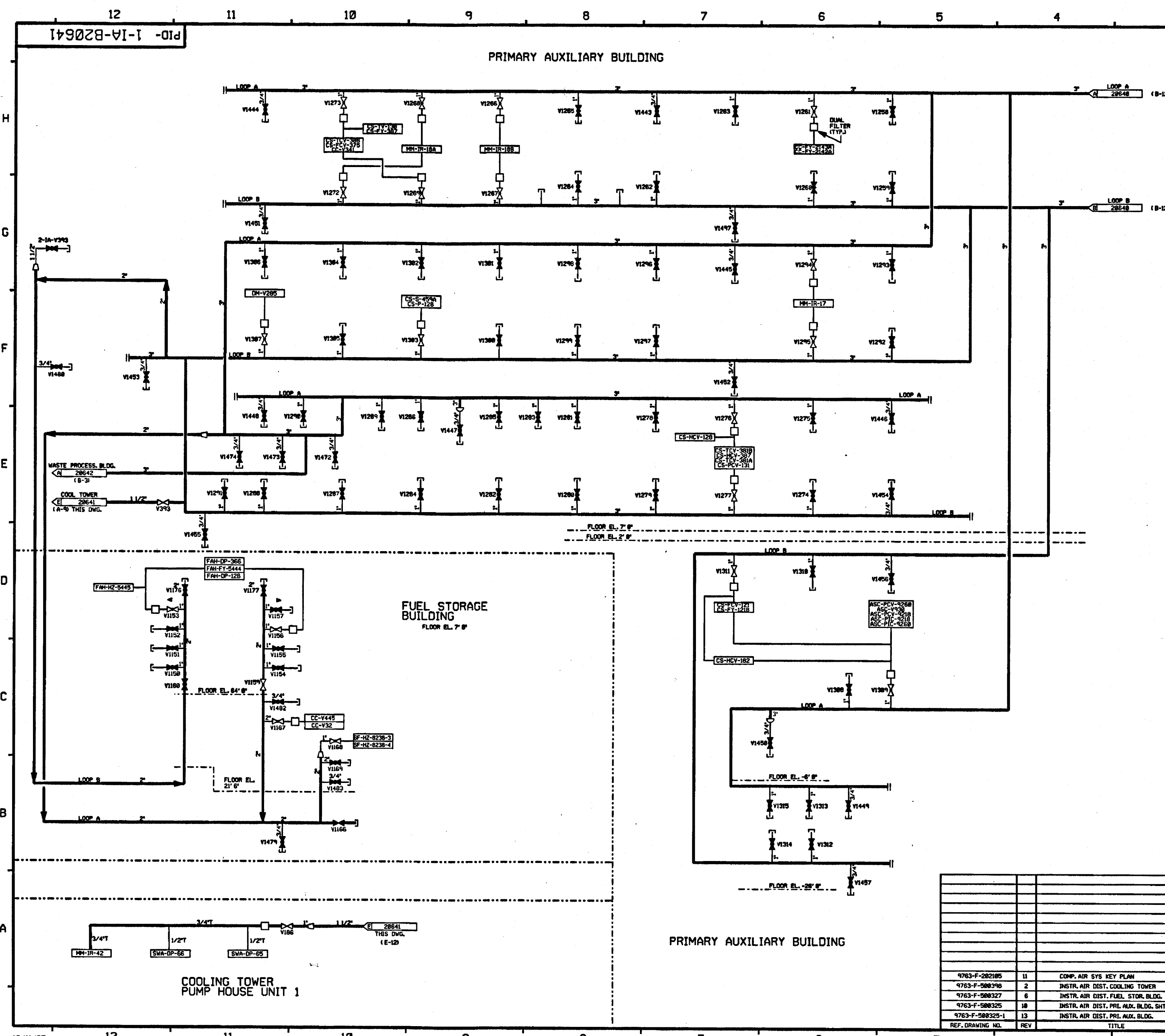
North Atlantic Energy Service Corporation



INSTRUMENT AIR
PRIMARY AUX. BUILDING
DETAIL

PID-	1-IA-B20640
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1 CATEGORY 1



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

- NOTES
- 1. WORK THIS DRAWING WITH DRAWINGS 28638 THRU 28648, & 28642 THRU 28646.
 - 2. ALL PIPES, VALVES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX I.A. UNLESS NOTED OTHERWISE.
 - 3. DENOTES DUAL AIR FILTER.
 - 4. ALL PIPES, VALVES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS ARE SAFETY CLASS N, UNLESS NOTED OTHERWISE.
 - 5. INSTRUMENTATION ON THIS DWG. DOWNSTREAM OF PIPING ROOT VALVE CONNECTIONS HAS NOT BEEN VERIFIED.
 - 6. INDICATES REVISION LEVEL.
 - 7. DELETED.
 - 8. VALVE SYMBOL MAY NOT BE REPRESENTATIVE OF INSTALLED COMPONENT TYPE. REFER TO VALVE LIST.

2	11/1/95	BCS	—	MA	DCS	RS	INCORP. MHO 95-578 CA-8
1	11/1/95	MRJ	TAK	WFO	BCL	WNC	ADDED INPLETS AND CAPS PER AS-BUILT. CORRECTED PIPING AND DRAWING. PER LEAD Dwg. F-580327, ADDED DUAL FLTR. IN COOL. TWR. PMP. HOUSE. PER LEAD Dwg. F-580325, ADDED CONT. FLAG COORD. AND NOTES 5.8.3.7.
0	4/25/86	DSF	MRB	JDM	JNM	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

North Atlantic Energy Service Corporation

**INSTRUMENT AIR
PRIMARY AUX. BUILDING
COOLING TOWER & FUEL STORAGE
DETAIL**

PID- 1-IA-B20641

9763-F-202105	11	COMP. AIR SYS KEY PLAN
9763-F-580396	2	INSTR. AIR DIST. COOLING TOWER
9763-F-580327	6	INSTR. AIR DIST. FUEL STOR. BLDG.
9763-F-580325	10	INSTR. AIR DIST. PRI. AUX. BLDG. SHT. 1
9763-F-580325-1	13	INSTR. AIR DIST. PRI. AUX. BLDG.
REF. DRAWING NO.	REV	TITLE

