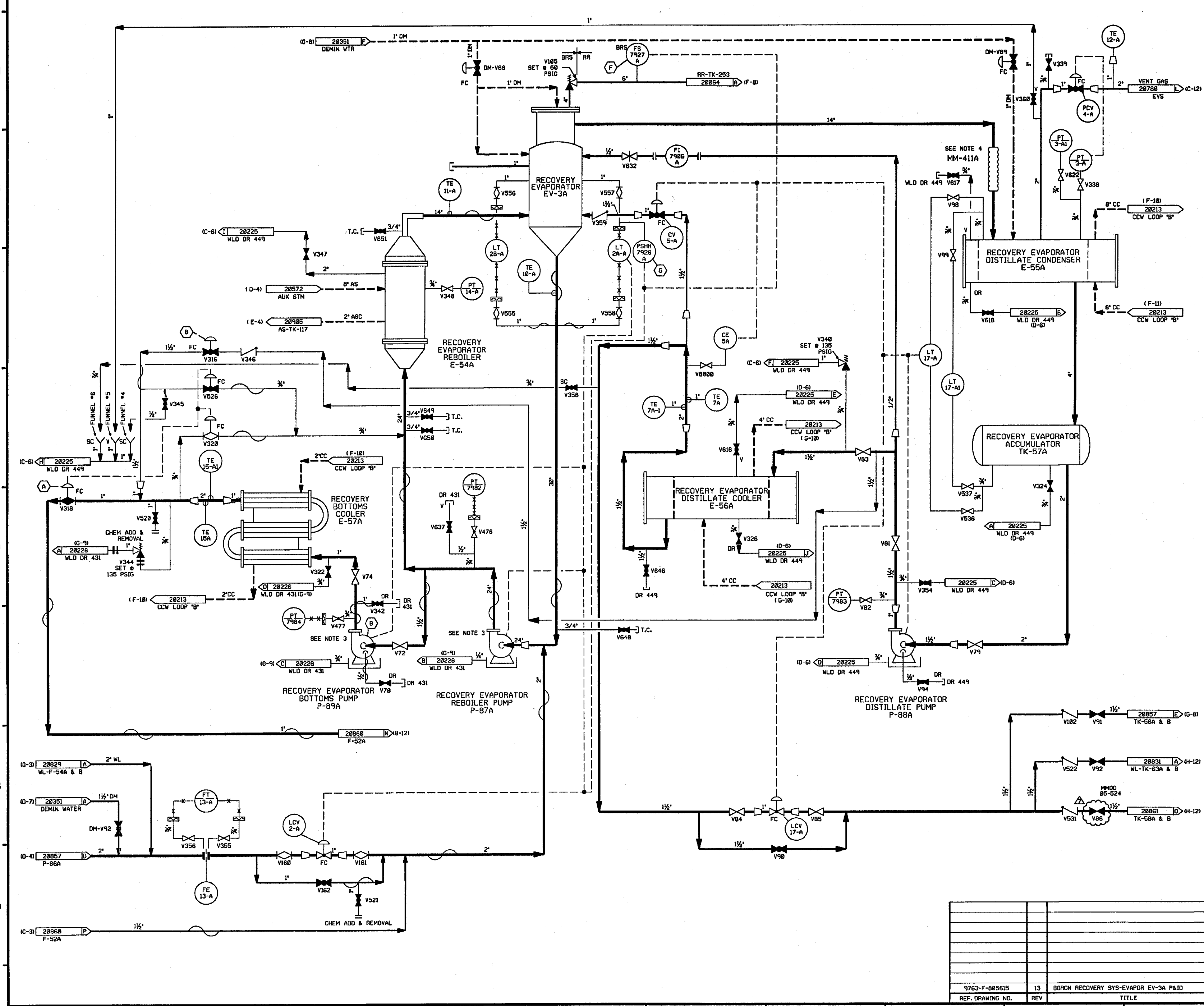


PID-1-BRS-B20858

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



- NOTES:
- ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX 'BRS' UNLESS NOTED OTHERWISE.
 - WORK THIS DWG WITH DWG'S 20853, 20854, 20855, 20856, 20857, 20859, 20860 & 20861.
 - SEE DWG DM-28353 FOR WATER SUPPLY TO PUMP DOUBLE MECHANICAL SEALS.
 - ENTIRE LINE IS FLEX CONN.
 - INSTRUMENT REFERENCES:
 - △ HIGH E-57A OUTLET TEMP. HIGH WS-TK-76 LEVEL AND LOW EV-38 LEVEL WS-TK-76 TRANSFER VALVE INTERLOCK.
 - BRS-P-09A, DISTILLATE FLUSH V316 INTERLOCK.
 - ◇ TO 1-DM-V88 ON DWG DM-28351 (H-7) & 1-BRS-FCV-1A ON DWG AS-20872 (D-6).
 - ◇ TO 1-DM-V88 ON DWG DM-28351 (H-7) & 1-BRS-FCV-1A ON DWG AS-20872 (D-6).
 - △ INDICATES REVISION LEVEL.
 - ALL LINES, EQUIPMENT COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NWS UNLESS NOTED OTHERWISE.

7	6/13/04	BCS	JM-4	DJM	INCORP MMOD 05-524 DCN-83
6	12/7/92	MRB	DWS	DJM	INCORP DCR 87-84 CA 28
5	11/7/92	MRB	BCL	DJM	INCORP DCR 87-84 CA8
					INCORP DCR 86-634 CA8 REVISED VALVE POSITION PER NHY PID DM-28351 ADDED LINE SIZE FOR CLARITY DELETED REDUNDANT INTERFACE INFO. & VALVE DIAPHRAGM SYMBOL PER UE&C PID 9763-F-805615
4	12/18/91	MRB	JM	GRM	INCORP DCR 86-587, CORRECTED DRAWING ERRORS. REVISED NOTE 7.
3	9/18/87	JDM	BCL	RRC	RE-INCORP ECA 86/116967A, ADDED V8800 CONTINUATION FLAG REF'S & NOTE 6. REVISED TUBING SYMBOL FOR PT-7982 PER UE&C P&ID AND CONTINUATION FLAG REF. ADDED P&ID LEGEND NOTE.
2	10/3/86	MRJ	BCL	RRC	INCORP ECA 86/116967A & 19/116983C ADDED REDUCER & FLANGS. CHANGE ITEM 10 RESOLVED PER LATEST UE&C P&ID
1	8/24/88	JDM	JNK	RRC	INCORP ECA 86/116967A & 19/116983C ADDED REDUCER & FLANGS. CHANGE ITEM 10 RESOLVED PER LATEST UE&C P&ID
0	1/13/86	GD	JDM	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY Seabrook Station

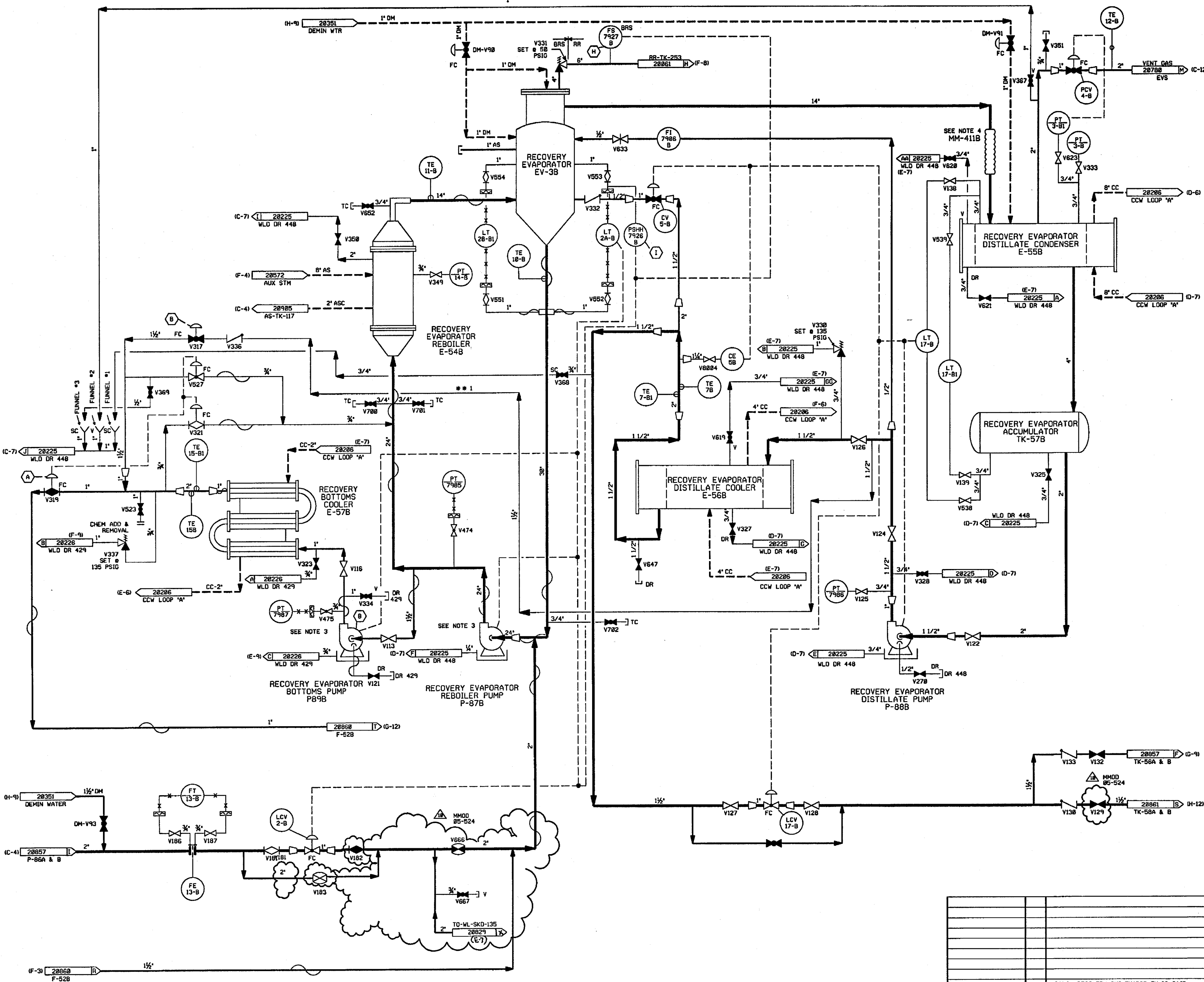
BORON RECOVERY SYSTEM
EVAPORATION
DETAIL

PID- 1-BRS-B20858

9763-F-805615	13	BORON RECOVERY SYS-EVAPOR EV-3A P&ID
REF. DRAWING NO.	REV	TITLE

699078-BRS-1 P10

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



- NOTES:
- 1) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "BRS" UNLESS NOTED OTHERWISE.
 - 2) WORK THIS DWG WITH DWG'S 28853, 28854, 28855, 28856, 28857, 28858, 28859 & 28861.
 - 3) SEE DWG DM-28353 FOR WATER SUPPLY TO PUMP DOUBLE MECHANICAL SEALS.
 - 4) ENTIRE LINE IS FLEX CONN.
 - 5) INSTRUMENT REFERENCES:
 - (A) HIGH E-57B OUTLET TEMP, HIGH WS-TK-76 LEVEL AND LOW EV-38 LEVEL WS-TK-76 TRANSFER VALVE INTERLOCK.
 - (B) BRS-P-89B, DISTILLATE FLUSH V317 INTERLOCK.
 - (H) TO I-DM-V98 ON DWG DM-28351 (H-9) & I-BRS-FCV-18 ON DWG AS-28572 (G-6).
 - (I) TO I-DM-V98 ON DWG DM-28351 (H-9) & I-BRS-FCV-18 ON DWG AS-28572 (G-6).
 - 6) Δ INDICATES REVISION LEVEL
 - 7) DELETED
 - 8) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.

10	6/8/06	BCS	JM	27m	INCRP. MM00 85-524 DCN 00, 03
9	8/18/97	MPW	BCS	VWS	INCRP. MM00 96-558 DCN 01
8	12/7/92	MRB	DWS	DJM	INCRP. DCR 87-84 CA 28
7	11/7/92	MRB	BCL	DJM	INCRP. DCR 87-84 CA0
6	12/18/91	MRB	JM	GRM	INCRP. DCR 86-634 CA0
5	5/25/88	GPH	APL	DJM	INCRP. DCR 88-803 REVISED PIPING TO CLARIFY DUPLICATION OF ASSOCIATED SYSTEMS. NOTE 8. ADDED: HEAT TRACE SYMBOL PER LINE LIST. LINE SIZE PER U&C E-150 F-11852 DELETED CHANGE ITEM 1 PER DCR 88-803.
4	9/16/87	JDM	BCL	RRC	INCRP. DCR 86-587, ADDED V-8804 PER EXISTING FIELD CONFIG. DELETED NOTE 7, CORRECTED DRAFTING ERRORS. REVISED TO CLARIFY DUPLICATION OF ASSOCIATED SYSTEMS. ADDED: NOTE 8 PER 885616, CHG. ITEM 1
3	2/18/87	JDM	WRD	VWS	APPROVED CHANGE ITEM #1 PER COMPLETION OF MM00 85-524.
2	12/22/86	FJR	WRD	RRC	INCRP. ECA 19/882818A, ADDED & REV'D CONT. FLAG COORD'S. CORRECTED DRAFTING ERRORS PER U&C P&ID. REF. DWG. LIST. ADDED & REV. CONT. FLAG REF. DWGS. ADDED NOTES 6 & 7.
1	6/28/86	GO	BCL	RRC	INCRP. ECA 19/16888A, ECA 88/882817C & ECA 19/114273A. CHANGE ITEM 1. RESOLVED PER LATEST U&C P&ID. CHANGE ITEM 2. RESOLVED PER ECA 19/881285A.
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY		Seabrook Station	
		BORON RECOVERY SYSTEM EVAPORATION DETAIL	
PID-		1-BRS-B20859	

9763-F-805616	10	BORON RECOVERY SYS-EVAPOR EV-38 P&ID
REF. DRAWING NO.	REV	TITLE

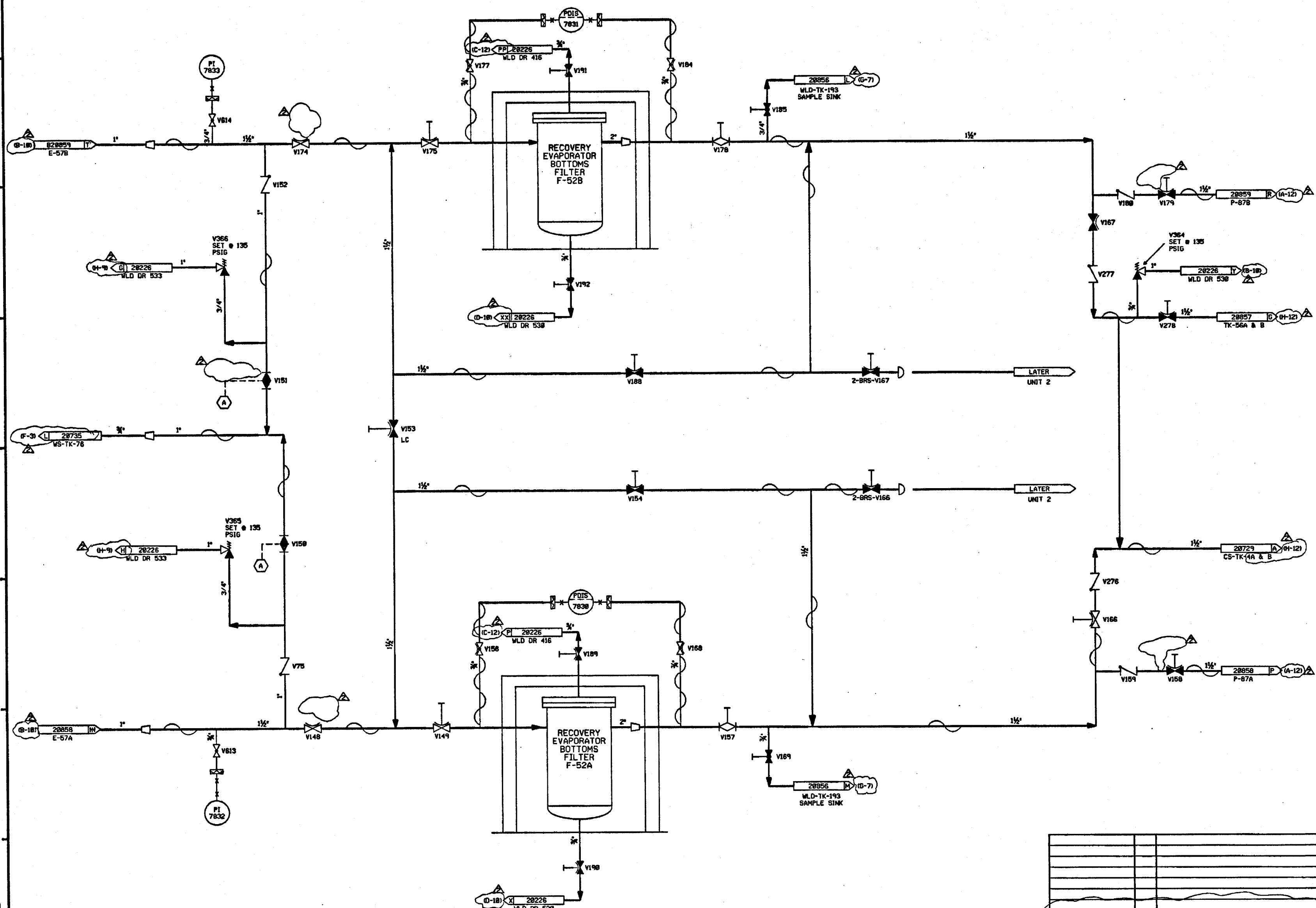
PID-1-BRS-B20860

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

INCOMPLETE ITEMS	
ITEM	NUMBER

H
G
F
E
D
C
B
A

G
F
E
D
C
B
A




- NOTES:
- 1) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "BRS" UNLESS NOTED OTHERWISE.
 - 2) WORK THIS DWG WITH DWG'S 28853, 28854, 28855, 28856, 28857, 28858, 28859 & 28860.
 - 3) VALVE AND EQUIPMENT NUMBERS PRECEDE BY A "2" ARE FOR UNIT 2.
 - 4) INSTRUMENT SYMBOLS:
 - (A) INTERLOCK WITH EVAPORATOR CONCENTRATES DISCHARGE VALVES.
 - (B) INDICATES REVISION NUMBER

ADDED DWG CORR FOR ALL CONT FLAGS,
CS-TK-1A TO CONT FLAG FOR DWG
28723, 3 LETTER IDENTIFIERS FOR CONT
FLAGS, NOTE 5 & SYMBOLS & ABBREY

REF DWGS NOTE, DELETED 7 REF DWGS &
PIPE CLASSES, REVISED IDENT LETTERS
FROM P TO PR & X TO XX FOR FILTER
F-52B & CONT DWG FROM 28732 TO
28733

REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
2	6/17/88	CSB	DWS	BCL	JMCS	RRC	INCORP ECA 19/115964A
1	1/13/86	GD	SKN	JDM	ASK	WFD	ISSUED FOR OPERATIONS



PUBLIC SERVICE OF NEW HAMPSHIRE

**BORON RECOVERY SYSTEM
EVAPORATION
DETAIL**

PID- 1-BRS-B20860

REF. DRAWING NO.	REV	TITLE
9763-F-805623	7	BORON RECOVERY SYSTEM-EVAPORATOR BOTTOMS-P & ID DIAGRAM

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

NOTES:

- ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX 'BRS' UNLESS NOTED OTHERWISE.
- WORK THIS DWG WITH DWG'S 20853, 20855, 20856, 20857, 20858, 20859, 20860 & 20861.
- SEE DRAWING DM-20853 FOR WATER SUPPLY TO PUMP DOUBLE MECHANICAL SEALS.
- VALVE IS CLOSED DURING UNIT 2 CONSTRUCTION.
- INDICATES REVISION LEVEL.
- ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
- INSTRUMENT REFERENCES:
 - (D) FROM 1-BRS-PSHH-7924 ON DWG BRS-20855 (F-7)
 - (E) FROM 1-BRS-PSHH-7924 ON DWG BRS-20855 (F-7)
 - (J) FROM 1-BRS-PSH-3-1 ON DWG BRS-20855 (F-5)

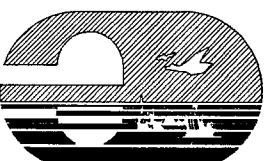
9	9/7/07	JM	BCS	FWZ	INCORP MSE 07-149 REV. 0
8	5/30/08	BCS	DWS	WFZ	INCORP MSE 00-124 REV. 0
7	6/6/99	DWS	RWS	DJM	INCORP MMD 970618 DCN#00
6	11/7/92	DWS	BCL	DJM	INCORP DCR 870084 CA#0 & 5
5	4-23-92	MRB	MPW	JEV	REMOVED REF. TO UNIT 2 (LATER) INCORP MMD'S 91-511 CAB & 91-515 CAB
4	5/26/89	MRB	PAL	IW	INCORP DCR 87-110 CA II REVISED: CONT. COORD. ADDED: NOTE 6
3	1/6/88	MPW	DWS	MJY	INCORP DCR 87-314 & ECA 19/101717A UNIT 2 VALVES SHOWN CLOSED PER NOTE 4; REVISED: FLOW ON BYPASS LINE, CONT. COORDINATES ADDED; FLOW ARROW TO TK-66A.
2	10/3/86	CSB	BCL	RRR	REV'D WG 1" LINE (FROM WG-P-263) TO AGREE WITH P&ID 20222 & REV'D CONT FLAG (20771) ADDED: P&ID BOUNDARY, CONT. FLAG IDENT LETTER 'C' (20519) & 'H' (20855) ADDED: LCV-1124 TO CONT FLAG (20724) ADDED: NOTE 5.
1	6/19/86	JDM	DWS	RRR	REMOVED CHANGE ITEMS 1 & 2, INCORP. ECA'S 19/24898, 19/116021A, 19/116172A, AND 085626 REV. 11
0	1/13/86	GO	JDM	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

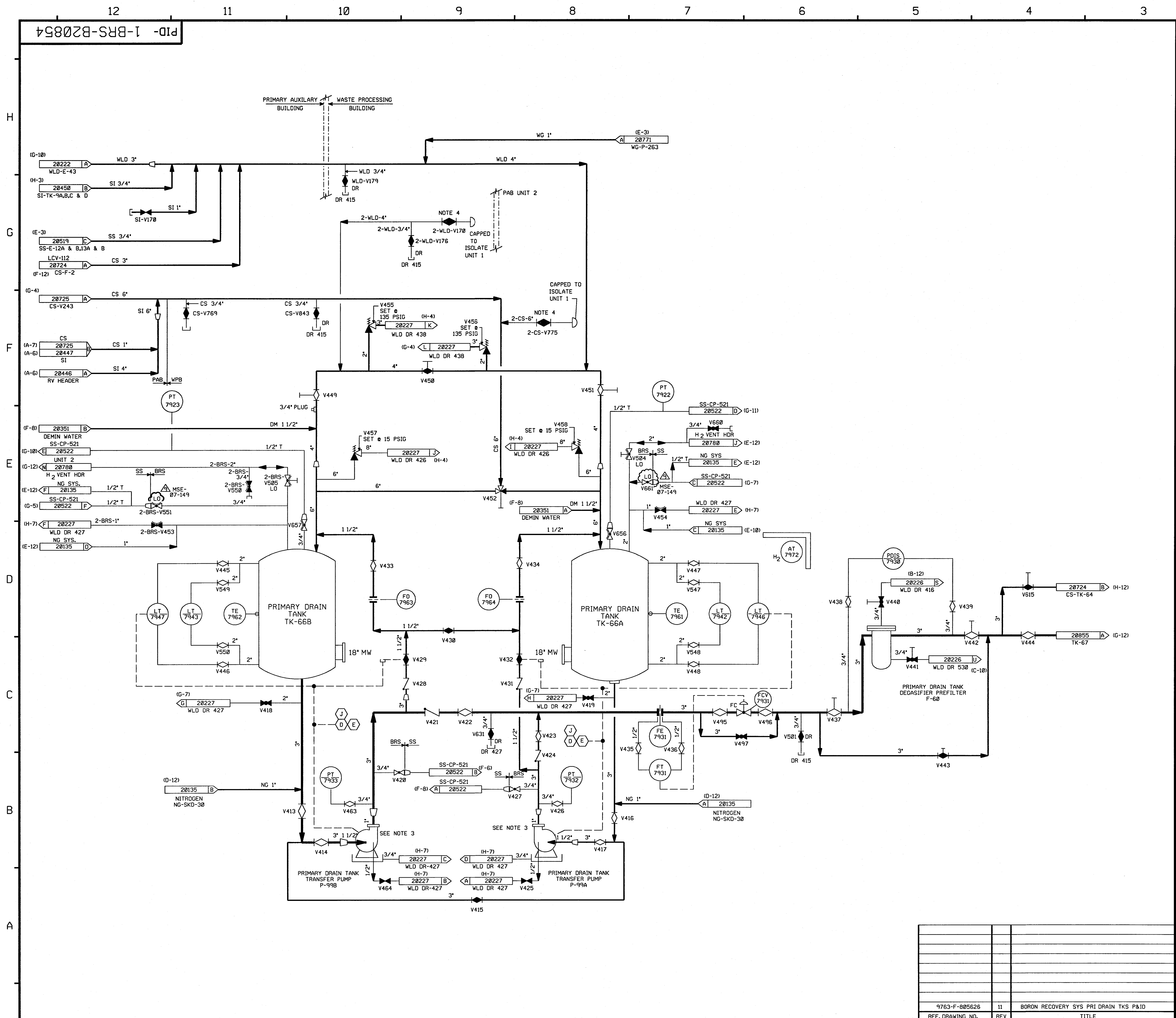
Seabrook Station

BORON RECOVERY SYSTEM
DEGASIFICATION
DETAIL

PID- 1-BRS-B20854

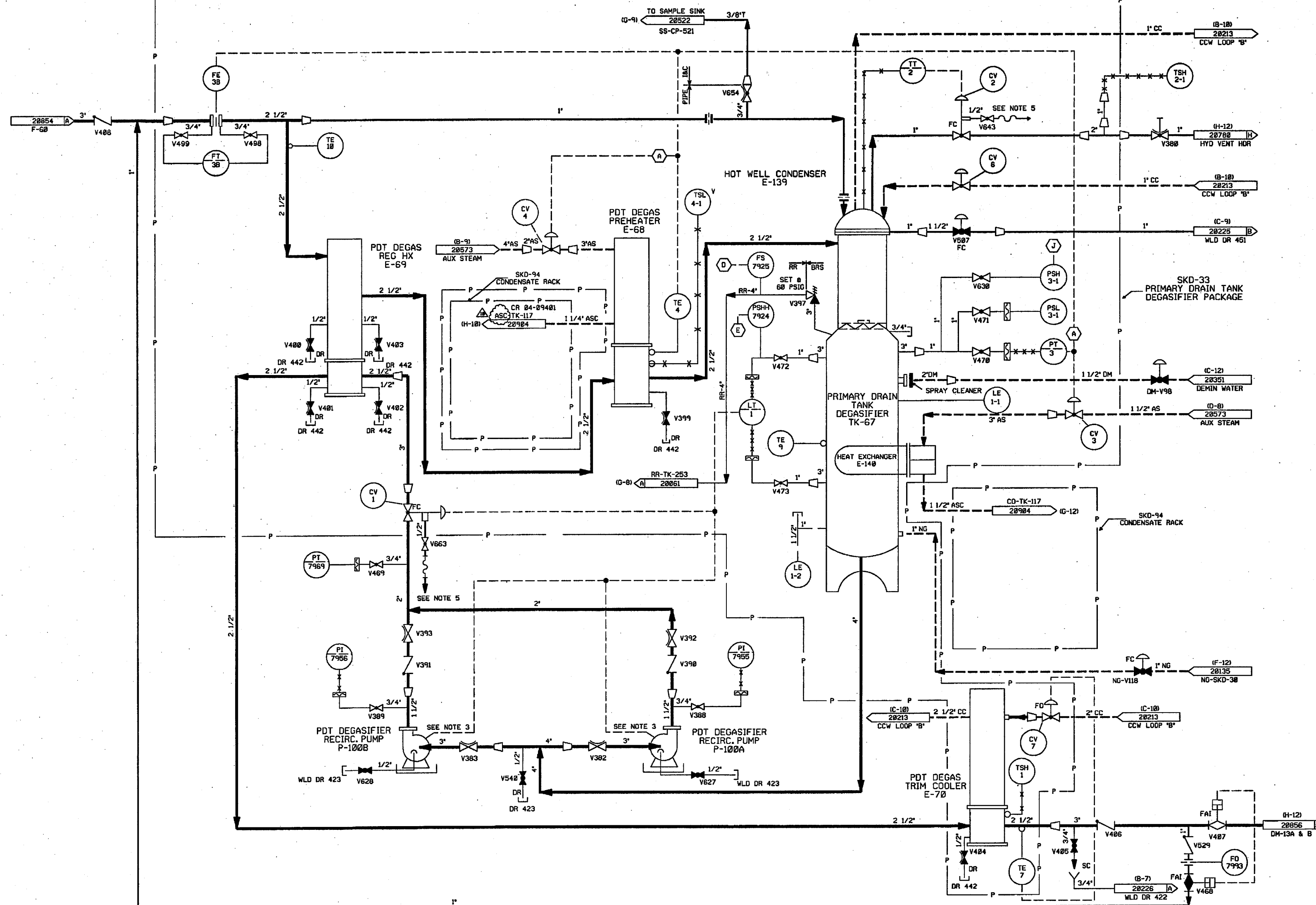


9763-F-805626	11	BORON RECOVERY SYS PRI DRAIN TKS P&ID
REF. DRAWING NO.	REV	TITLE



PID-1-BRS-B20855

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 'BRS' UNLESS NOTED OTHERWISE.
 2. WORK THIS DWG WITH DWG'S 20853, 20854, 20856, 20857, 20858, 20859, 20869 & 20861.
 3. SEE DWG DM-20354 FOR WATER SUPPLY TO PUMP DOUBLE MECHANICAL SEALS.
 4. Δ INDICATES REVISION LEVEL.
 5. REFER TO DRAWING VSL-20774 FOR VALVE LEAKOFF.
 6. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NMS UNLESS NOTED OTHERWISE.
 7. INSTRUMENT REFERENCES:
 (A) TO 1-BRS-CV-3 & 4 ON DWG AS-20573 (IC-10).
 (E) TO 1-AS-CV-3, 1-AS-CV-4 ON DWG AS-20573 (IC-9).
 (J) TO 1-BRS-P-99A & B ON DWG BRS-20854 (IC-8) (IC-10).
 TO 1-DM-V98 ON DWG DM-20351 (IC-12).

10	12-8-04	BCS	JM	RRB	INCORP CR 04-09401 REV. 00
9	8/30/08	BCS	MPW	RCP	INCORP MMOD 98-641 DCN-00
8	12/7/92	MRB	DWS	DJM	INCORP DCR 87-04 CA 20
7	11/7/92	MRB	BCL	DJM	INCORP DCR 87-04 CA#0, 5 & 25 ADDED NOTE 14 & INSTR. REFERENCE REMOVED FLANGES FROM B P&ID
6	12/20/04	MRB	PAL	ES	INCORP DCR 86-113 CA01. INCORP DCR 88-003 REVISED V382, 383, 393, 397, 399, 400, 401, 402, 403, & 404 VALVE SYMBOL PER FP 53678. ADDED RESTRICTING ORIFICE SYMBOL TO INLET E-139 PER FP 53758, NOTE 6 PER UE & C P & ID 805618.
5	5/25/88	GPM	APL	DJM	INCORP ECA 19/1079088 REV'D TO CLARIFY DUPLICATION OF ASSOC SYSTEM & NOTE 3. ADDED NOTE 5, CONT. COORD. LINE SIZE & FLD'S
4	8/14/87	GPM	MPW	RRR	INCORP DCR-618
3	1/23/87	JDM	WHD	RRR	REMOVED NONAPPLICABLE REF DWGS. INCORP NCR 95/116A ECA 19/11727A SYSTEM CHANGED TO BRS ON VALVES CV-3, CV-4, CV-5 & CV-7. WAS AS AND CC IN ERROR, ADDED CONTINUATIONS.
2	1/26/86	MPW	MAP	RRR	INCORP'D ECA 99/114788A
1	6/16/86	DWS	JDM	RRR	ISSUED FOR OPERATIONS
0	1/13/86	GD	JDM	WFD	
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

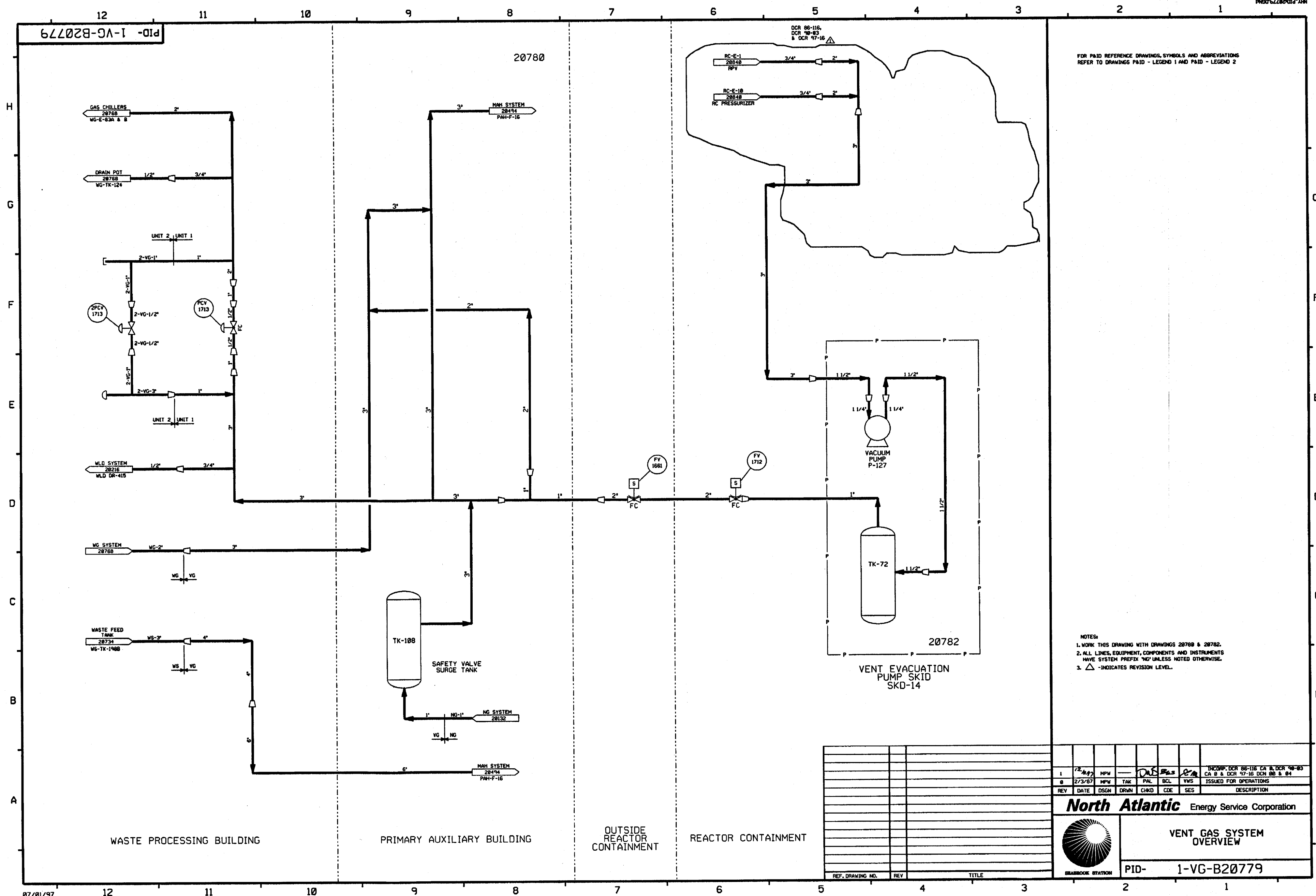
FPL ENERGY Seabrook Station



BORON RECOVERY SYSTEM
DEGASIFICATION
DETAIL


PID- 1-BRS-B20855

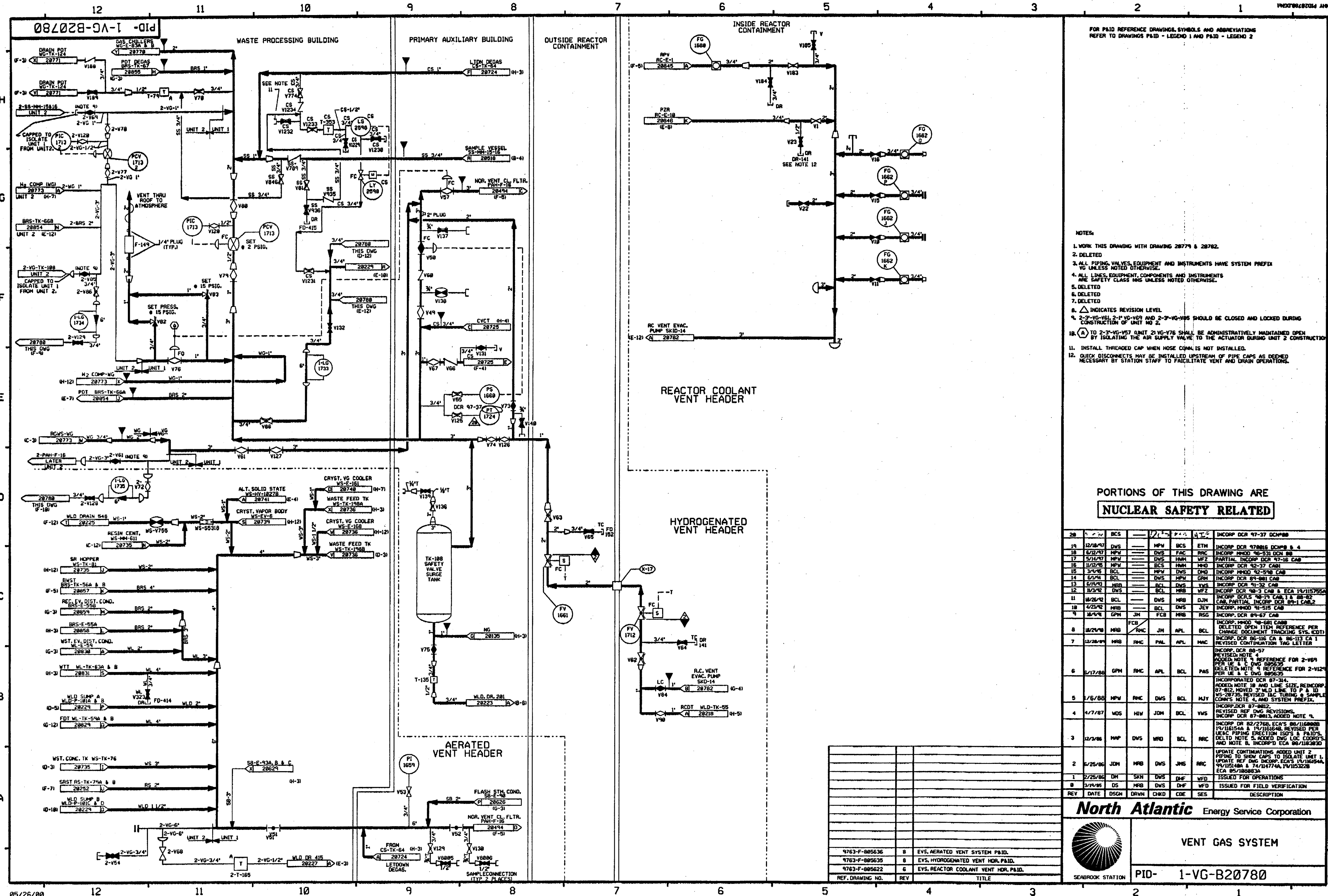
9763-F-805618	10	BORON RECOV SYS-PRIM DRAIN TK DEGAS P&ID
REF. DRAWING NO.	REV	TITLE



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 20780 & 20782.
 - 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX 'NG' UNLESS NOTED OTHERWISE.
 - 3. Δ - INDICATES REVISION LEVEL.

12/2/97						INCORP. DCR 86-116, CA 8, DCR 90-03, CA 8 & DCR 97-16 DCR 98 & 04					
1	2/3/97	HPV	TAK	PAL	BCL	VWS	ISSUED FOR OPERATIONS				
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION				
North Atlantic							Energy Service Corporation				
							VENT GAS SYSTEM OVERVIEW				
DRAWING NO.							PID- 1-VG-B20779				



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 DRAWING 28779 & 28782.
 2. DELETED
 3. ALL PIPING, VALVES, EQUIPMENT AND INSTRUMENTS HAVE SYSTEM PREFIX UNLESS NOTED OTHERWISE.
 4. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS UNLESS NOTED OTHERWISE.
 5. DELETED
 6. DELETED
 7. DELETED
 8. Δ INDICATES REVISION LEVEL.
 9. 2-3-VG-V57, 2-3-VG-V58 AND 2-3-VG-V59 SHOULD BE CLOSED AND LOCKED DURING CONSTRUCTION OF UNIT NO. 2.
 10. (A) TO 2-3-VG-V57, UNIT 21 VG-V76 SHALL BE ADMINISTRATIVELY MAINTAINED OPEN BY ISOLATING THE AIR SUPPLY VALVE TO THE ACTUATOR DURING UNIT 2 CONSTRUCTION.
 11. INSTALL THREADED CAP WHEN HOSE CONN. IS NOT INSTALLED.
 12. 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

28	12/18/87	BCS	MPW	BCS	ETM	INCORP DCR 97-37 DCM#88
19	12/18/87	DWS	MPW	BCS	ETM	INCORP DCR 97-38 DCM#88 & 4
18	6/12/87	MPW	DWS	FAC	RNC	INCORP DCM 96-531 DCM 88
17	5/14/87	MPW	DWS	MMH	MMH	PARTIAL INCORP DCR 97-16 CAB
16	11/2/85	MPW	BCS	MMH	DWS	INCORP DCR 92-37 CAB
15	3/1/85	BCL	MPW	DWS	MMH	INCORP DCM 92-558 CAB
14	6/1/84	BCL	DWS	MPW	GRN	INCORP DCR 91-981 CAB
13	6/1/84	MRB	BCL	DWS	YMS	INCORP DCR 91-32 CAB
12	11/2/82	DWS	BCL	MRB	WJF	INCORP DCR 90-3 CAB & ECA 19/1157554
11	10/26/82	BCL	DWS	MRB	DJM	INCORP DCR 88-18 CAB 1 & 88-82 CAB, PARTIAL INCORP DCR 89-1 CAB 2
10	4/23/82	MRB	BCL	DWS	JEV	INCORP DCM 91-515 CAB
9	10/4/81	GPM	JN	FCB	MRB	INCORP DCM 89-67 CAB
8	10/2/80	MRB	RNC	JN	APL	DELETED OPEN ITEM REFERENCE PER CHANGE DOCUMENT TRACKING SYS. (CDT)
7	12/28/79	MRB	RNC	PAL	APL	INCORP DCM 86-106 CA & 86-113 CA 1 REVISED CONTINUATION TAG LETTER
6	5/17/88	GPM	RNC	APL	BCL	INCORP DCM 88-57 REVISED NOTE 4 ADDED NOTE 9 REFERENCE FOR 2-V59 PER UE & C DNG 885535
5	1/5/88	MPW	RNC	DWS	PAS	DELETED NOTE 9 REFERENCE FOR 2-V124 PER UE & C DNG 885535
4	4/7/87	WOS	HEV	JDM	BCL	INCORPORATED DCR 87-34, ADDED NOTE 18 AND LINE SIZE, PER ID 87-82, MOVED 3" WLD LINE TO P & ID V5-28735, REVISED IAC TUBING & SAMPLE CONNS, NOTE 4, AND SYSTEM PREFIX, 14/1161544 INCORP DCR 87-9812
3	12/3/86	MPW	DWS	MRB	YMS	REVISED REF DNG REVISIONS, INCORP DCR 87-9813, ADDED NOTE 9, INCORP DCR 82/2768, ECA'S 86/1168888 14/1161544 & 15/1161648, REVISED PER DENG PIPING EJECTION 150'S & P&ID'S, DELTD NOTE 8, ADDED DNG LOC CORRS, AND NOTE 8, INCORP'D ECA 90/1183830
2	6/25/86	JDM	MRB	DWS	RNC	UPDATE CONTINUATIONS ADDED UNIT 2 PIPING TO SHOW CAPS TO ISOLATE UNIT 1, UPDATE REF DNG INCORP ECA'S 14/1161544, 14/1161648 & 14/117744, 14/1153228, ECA 85/1888830
1	2/25/86	DH	SKN	DWS	DWS	ISSUED FOR OPERATIONS
0	3/1/85	DS	MRB	DWS	DWS	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	DRWN	CHKD	CODE	SES DESCRIPTION

North Atlantic Energy Service Corporation

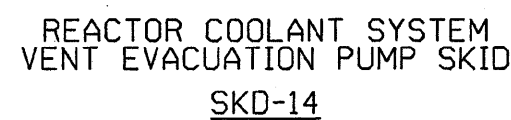
VENT GAS SYSTEM

PID- 1-VG-B20780

SEABROOK STATION

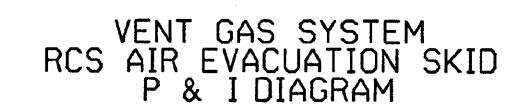
9763-F-805636	8	EVS, AERATED VENT SYSTEM P&ID.
9763-F-805635	8	EVS, HYDROGENATED VENT HDR. P&ID.
9763-F-805622	6	EVS, REACTOR COOLANT VENT HDR. P&ID.
REF. DRAWING NO.	REV	TITLE

PID- 1-VG-B20782

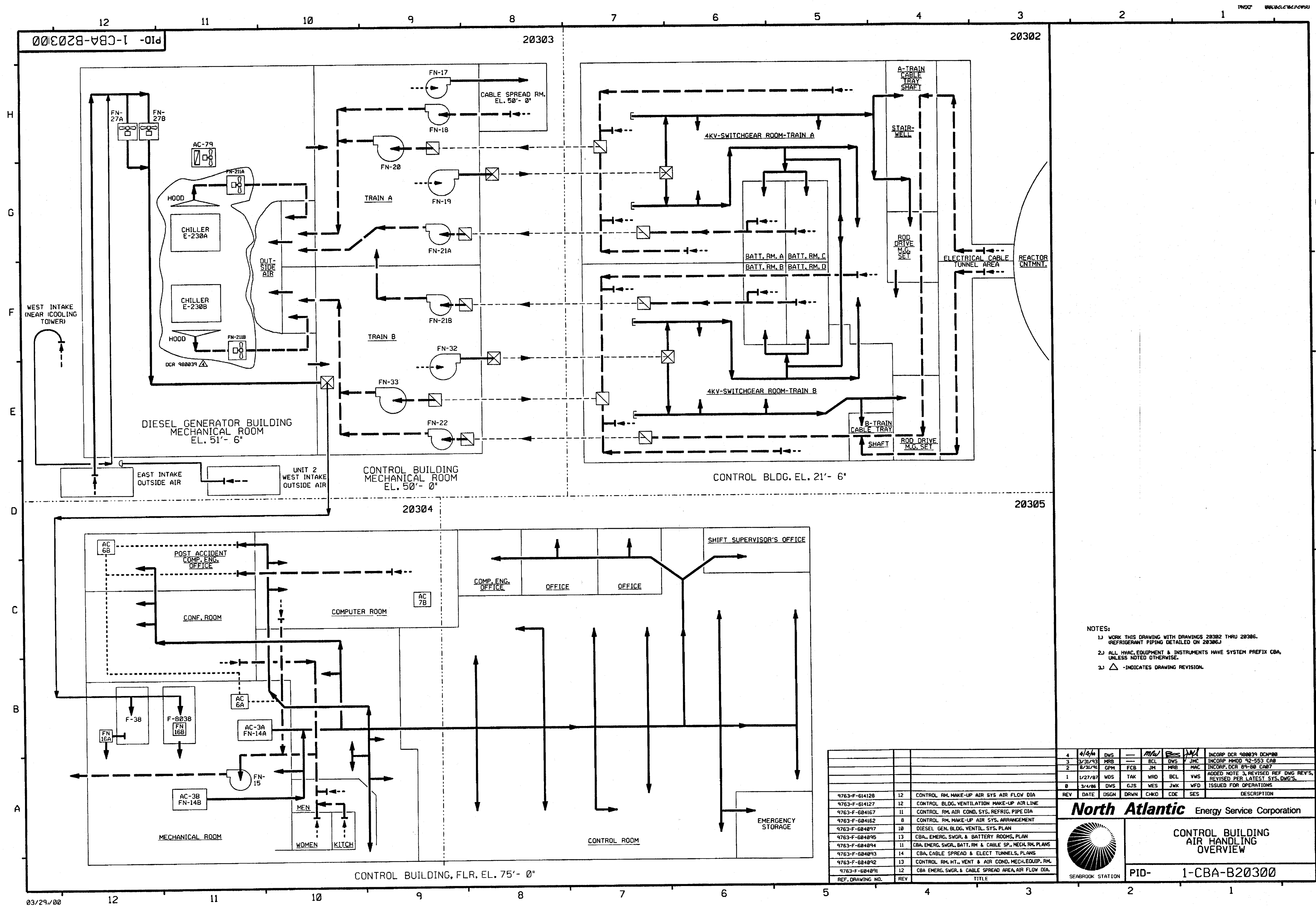


CR 08-06985

FPL ENERGY Seabrook Station



9763-F-885622	6	EVS. REACTOR COOLANT VENT HOR. P	3 ID
REF. DRAWING NO.	REV	TITLE	



- NOTES:
- 1) WORK THIS DRAWING WITH DRAWINGS 20302 THRU 20306. (REFRIGERANT PIPING DETAILED ON 20306J)
 - 2) ALL HVAC EQUIPMENT & INSTRUMENTS HAVE SYSTEM PREFIX CBA, UNLESS NOTED OTHERWISE.
 - 3) Δ -INDICATES DRAWING REVISION.

4	4/4/00	DWS	—	BCL	DWS	JMC	INCCP DCR 980039 DCM#00
3	3/31/93	MRB	—	FCB	JH	MAC	INCCP M400 92-553 CAB
2	8/31/91	GPM	—	WRD	BCL	WMS	INCCP DCR 89-08 L407
1	1/27/87	WDS	TAK	WRD	BCL	WMS	ADDED NOTE 3, REVISED REF DWG REV'S, REVISED PER LATEST SYS. DWG'S.
0	3/4/86	DWS	GJS	WES	JWK	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
9763-F-614128	12	CONTROL RM. MAKE-UP AIR SYS AIR FLOW DIA					
9763-F-614127	12	CONTROL BLDG. VENTILATION MAKE-UP AIR LINE					
9763-F-604167	11	CONTROL RM. AIR COND. SYS. REFRIG. PIPE DIA					
9763-F-604162	8	CONTROL RM. MAKE-UP AIR SYS. ARRANGEMENT					
9763-F-604097	10	DIESEL GEN. BLDG. VENTIL. SYS. PLAN					
9763-F-604095	13	CBA, EMERG. SWGR. & BATTERY ROOMS, PLAN					
9763-F-604094	11	CBA, EMERG. SWGR. BATT. RM. & CABLE SP. MECH. RM. PLANS					
9763-F-604093	14	CBA, CABLE SPREAD & ELECT TUNNELS, PLANS					
9763-F-604092	13	CONTROL RM. HT. VENT & AIR COND. MECH. EQUIP. RM.					
9763-F-604091	12	CBA EMERG. SWGR. & CABLE SPREAD AREA AIR FLOW DIA.					
REF. DRAWING NO.	REV	TITLE					

North Atlantic Energy Service Corporation

CONTROL BUILDING AIR HANDLING OVERVIEW

PID- 1-CBA-B20300

SEABROOK STATION

PID-1-CBA-B20304

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 20300, 20302, 20303, 20305 & 20306.
- ALL HVAC EQUIPMENT & INSTRUMENTS HAVE SYSTEM PREFIX 'CBA', UNLESS NOTED OTHERWISE.
- FOR SYMBOL LEGEND SEE DRAWING 20302.
- INSTRUMENT REFERENCES:
 (A) TIE-IN FOR UNIT HEATERS UH-120 THRU UH-125 & TSL-5357 ON THIS DRAWING.
 (C) SAFETY INJECTION SIGNAL 'SI'
 (D) INTERLOCK WITH FILTER RECIRC. SIGNAL, LOGIC DIAGRAM 503231.
 (K) TO PD15-5332 ON DRAWING 20303
- EXHAUST FAN FN-15 & DAMPER DP-28 IS SIZED FOR 1200 CFM CONSIDERING THE WORST POSSIBLE CASE OF ZERO CFM EXFILTRATION.
- FILTER DIFFERENTIAL PRESSURE & REQUIRED FLOWS:

FILTER TAG NO.	CLEAN FLOW CFM	DIRTY FLOW CFM	ANSI DIRTY FLOW CFM	SURVEILLANCE TEST FLOW CFM	SURVEILLANCE TEST FLOW +10% CFM	SURVEILLANCE TEST FLOW -10% CFM
CBA-F-38	1210	1100	990	1100	1210	990
CBA-F-8038	1210	1100	990	1100	1210	990

7. AC-6A & B USED ONLY AS EMERGENCY BACK-UP, NORMALLY ABANDONED.

8. DELETED

9. DELETED

10. Δ INDICATES REVISION LEVEL

11. REQUIRED FLOW DISTRIBUTION BASED ON CLEAN TO ANSI DIRTY FILTER CONDITIONS, WITH SINGLE TRAIN OPERATION IN CFM

FAN TAG NUMBER	FILTER TAG NUMBER	EMERGENCY TOTAL=1100 ± 10% MAKE-UP	RECIRC	FAN TAG NUMBER	FILTER TAG NUMBER	NORMAL MAKE-UP TOTAL=1000 ± 10%
CBA-FN-16A	CBA-F-38	540 TO 600	390 TO 610	CBA-FN-27A	CBA-F-38	500 ± 10%
	CBA-F-8038	0	COMBINED		CBA-F-8038	500 ± 10%
CBA-FN-16B	CBA-F-38	0	390 TO 610	CBA-FN-27B	CBA-F-38	500 ± 10%
	CBA-F-8038	540 TO 600	COMBINED		CBA-F-8038	500 ± 10%

12. CBA-V-63 WILL BE NORMALLY OPEN/THROTTLED TO A PRESET POSITION.

13. DELETED

14. DELETED

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

14	9-2-06	JM	BCS	223	INCORP MMD 83-504 DCM 00
13	5/2/00	DWS	BCS	JMS	INCORP DCR 900039 DCM#04
12	3/24/00	DWS	BCS	JMS	INCORP DCR 900039 DCM#00
11	2/15/00	DWS	BCS	JMS	PARTIAL INCORP DCR 900039 DCM#00
10	8/10/99	DWS	BCS	MKC	INCORP DCR 900047 DCM#00 & 03, DCR 900004 DCM#00 & REINCORP DCR 900037 DCM#00
9	10/2/98	MPW	BCS	GPM	INCORP DCR 90-25 DCM 00
8	7/03/98	JWB	JLM	JMS	INCORP DCR 98-37 DCM 00
7	6/12/95	BCL	DWS	DJM	INCORP, MMD-94-570 CA-0
6	7/25/94	BCL	MPW	JWOC	INCORP DCR 90-001 CA-11
5	4/20/93	BCL	MRB	JM	REINCORP DCR 86-709, CA-23
4	3/31/93	BCL	MRB	JCM	INCORP, MMD-92-553, CA-0
3	9/29/89	MRB	JM	JMS	INCORP DCR 86-709 CA ADDED NOTE 10 AND 11
2	2/24/87	JDM	PAL	MAC	ADDED P&ID LEGEND NOTE, CONT DWS COORD'S, INCORP ECA 99/112947F AND DCR 528, REMOVED DASH LINE FROM INSTR
1	6/23/86	JDM	VNK	RRR	INCORP ECA 99/115733A, CORRECTED DAMPER LOCATION & DAMPER NUMBER.
0	3/4/86	DWS	WES	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

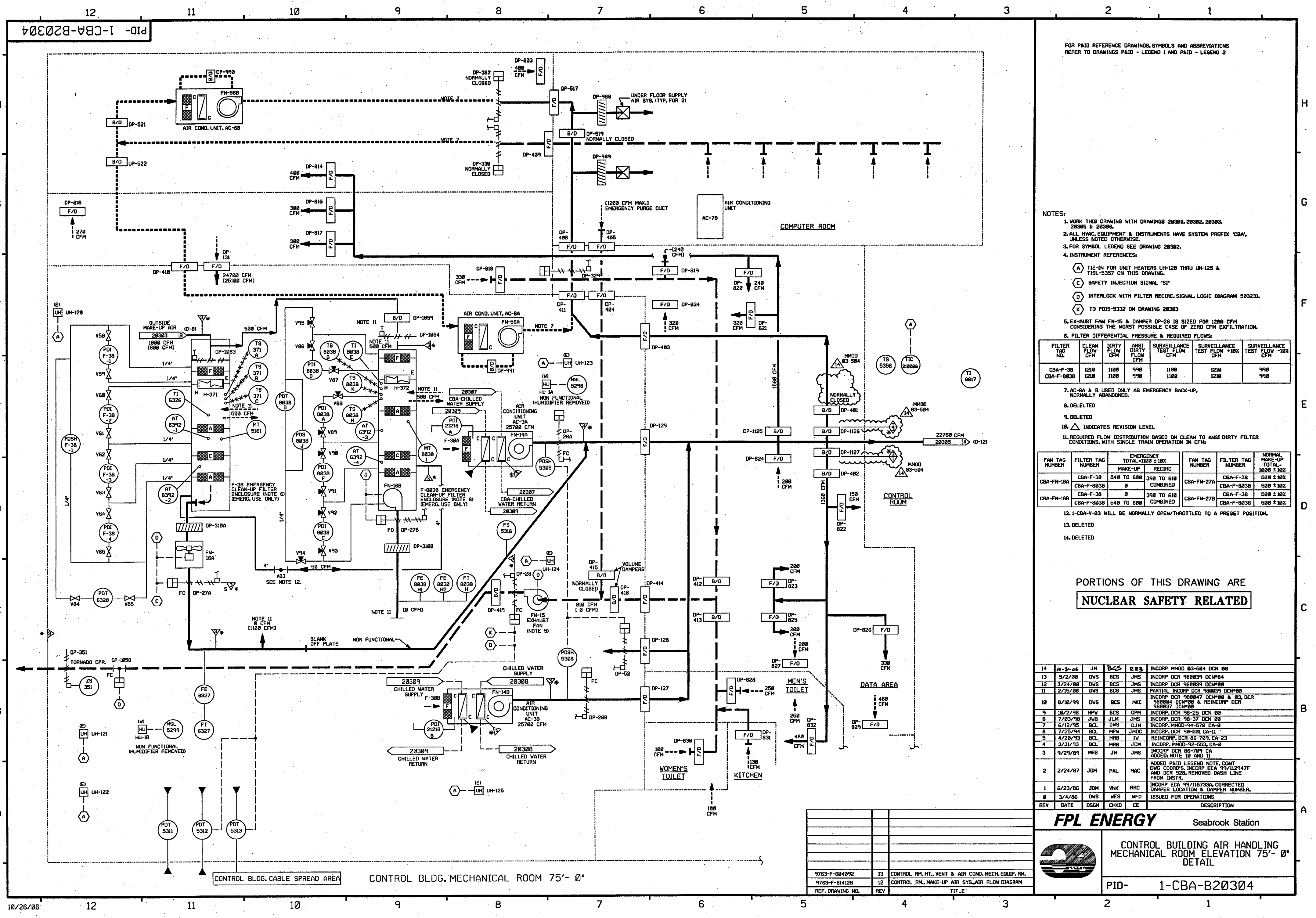
Seabrook Station



CONTROL BUILDING AIR HANDLING
MECHANICAL ROOM ELEVATION 75'-0"
DETAIL


PID- 1-CBA-B20304

9763-F-604092	13	CONTROL RM. HT., VENT & AIR COND. MECH. EQUIP. RM.
9763-F-614128	12	CONTROL RM., MAKE-UP AIR SYS., AIR FLOW DIAGRAM
REF. DRAWING NO.	REV	TITLE



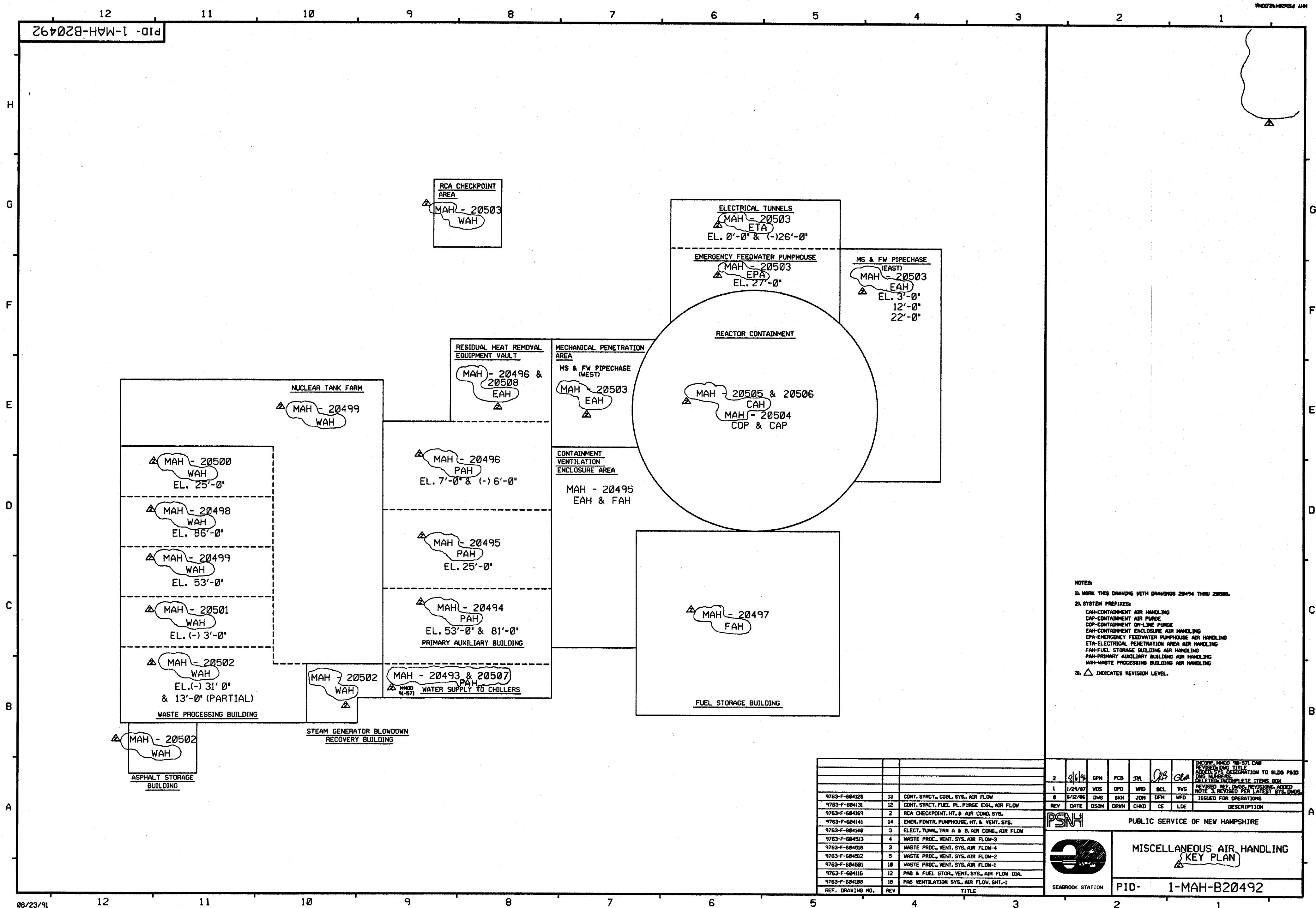
FILTER TAG NO.	CLEAN FLOW CFM	DIRTY FLOW CFM	ANSI DIRTY FLOW CFM	SURVEILLANCE TEST FLOW CFM	SURVEILLANCE TEST FLOW +10% CFM	SURVEILLANCE TEST FLOW -10% CFM
FAH-F-41	17700	16000	15200	16450	18095	14805
FAH-F-74	17700	16000	15200	16450	18095	14805

4	9	5/11/72	MRB	—	BCL	DWS	GPM	INCOMP DCR 91-817 DGN-0
8	5/11/72	MRB	—	BCL	DWS	GPM	INCOMP MMDQ 91-822 CAB	
9	8/16/74	GPM	FCB	JM	MRB	IV	INCOMP DCR 86-554 CAB	
6	12/19/74	MRB	RMC	JM	DWS	IV	INCOMP DCR 87-373 CAB	
4	4/11/78	HP	FCB	MRB	APL	DJN	INCOMP DCR 86-548 CAB	
4	4/27/81	GPM	RMC	MRB	BCL	MAC	INCOMP DCR 86-555 CA 9	
2	2/24/87	PAL	OPD	MPW	BCL	MAC	ADDER ECA 99/1151444, CONF. REF. DWS, NOTE & PIPE TUNEL AND CORRECTED DRAFTING ERRORS PER UESC PAID INCOMP DCR-526.	
2	12/23/86	JOM	OPD	PAL	BCL	RRR	ADDER PAID LEGEND NOTE, CONF. REF. DWS, DCR ECA 99/1151444.	
1	9/2/86	JOM	DWS	MAP	BCL	RRR	INCOMP ECA 98/1178484	
8	6/12/86	DWS	DWS	DJN	DFM	WFF	ISSUED FOR OPERATIONS INCOMP. ECA 99/1151444.	
REV	DATE	DSGN	ORGN	CHKD	DFW	SEC	DESCRIPTION	



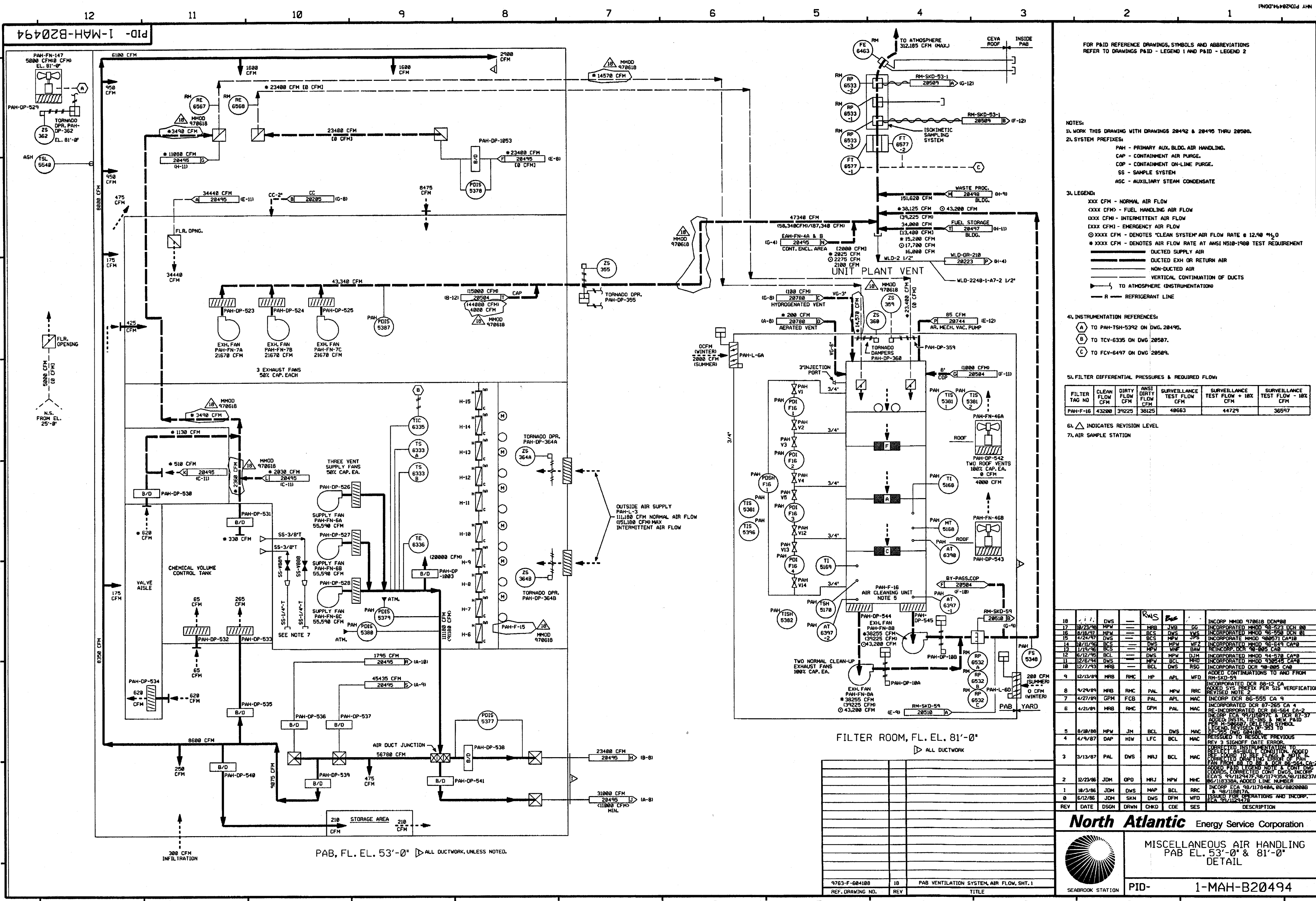
MISCELLANEOUS AIR HANDLING
FUEL STORAGE BUILDING
DETAIL

PID- 1-MAH-B20497



NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20494 THRU 20508.
2. SYSTEM PREFIXES:
CAH-CONTAINMENT AIR HANDLING
CAP-CONTAINMENT AIR PURGE
COP-CONTAINMENT ON-LINE PURGE
EAH-CONTAINMENT ENCLOSURE AIR HANDLING
EPA-EMERGENCY FEEDWATER PUMPHOUSE AIR HANDLING
ETA-ELECTRICAL PENETRATION AREA AIR HANDLING
FAH-FUEL STORAGE BUILDING AIR HANDLING
PAH-PRIMARY AUXILIARY BUILDING AIR HANDLING
WAH-WASTE PROCESSING BUILDING AIR HANDLING
3. Δ INDICATES REVISION LEVEL.

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----



- 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 20492 & 20495 THRU 20508.
2. SYSTEM PREFIXES:
- PAH - PRIMARY AUX. BLDG. AIR HANDLING.
 - CAP - CONTAINMENT AIR PURGE.
 - COP - CONTAINMENT ON-LINE PURGE.
 - SS - SAMPLE SYSTEM.
 - ASC - AUXILIARY STEAM CONDENSATE.
3. LEGEND:
- XXX CFM - NORMAL AIR FLOW
 - XXXX CFM - FUEL HANDLING AIR FLOW
 - XXXX CFM - INTERMITTENT AIR FLOW
 - XXXX CFM - EMERGENCY AIR FLOW
 - XXXX CFM - DENOTES "CLEAN SYSTEM" AIR FLOW RATE @ 12.98 %₂O
 - XXXX CFM - DENOTES AIR FLOW RATE AT ANSI NS10-1988 TEST REQUIREMENT
 - DUCTED SUPPLY AIR
 - DUCTED EXH OR RETURN AIR
 - NON-DUCTED AIR
 - VERTICAL CONTINUATION OF DUCTS
 - TO ATMOSPHERE (INSTRUMENTATION)
 - R - REFRIGERANT LINE
4. INSTRUMENTATION REFERENCES:
- A TO PAH-TSH-5392 ON DWG. 20495.
 - B TO TCV-6335 ON DWG. 20507.
 - C TO FCV-6497 ON DWG. 20509.
5. FILTER DIFFERENTIAL PRESSURES & REQUIRED FLOW:
- | FILTER TAG NO. | CLEAN FLOW CFM | DIRTY FLOW CFM | ANSI DIRTY FLOW CFM | SURVEILLANCE TEST FLOW CFM | SURVEILLANCE TEST FLOW + 10% CFM | SURVEILLANCE TEST FLOW - 10% CFM |
|----------------|----------------|----------------|---------------------|----------------------------|----------------------------------|----------------------------------|
| PAH-F-16 | 43200 | 39225 | 38125 | 40653 | 44729 | 36597 |
6. Δ INDICATES REVISION LEVEL
7. AIR SAMPLE STATION

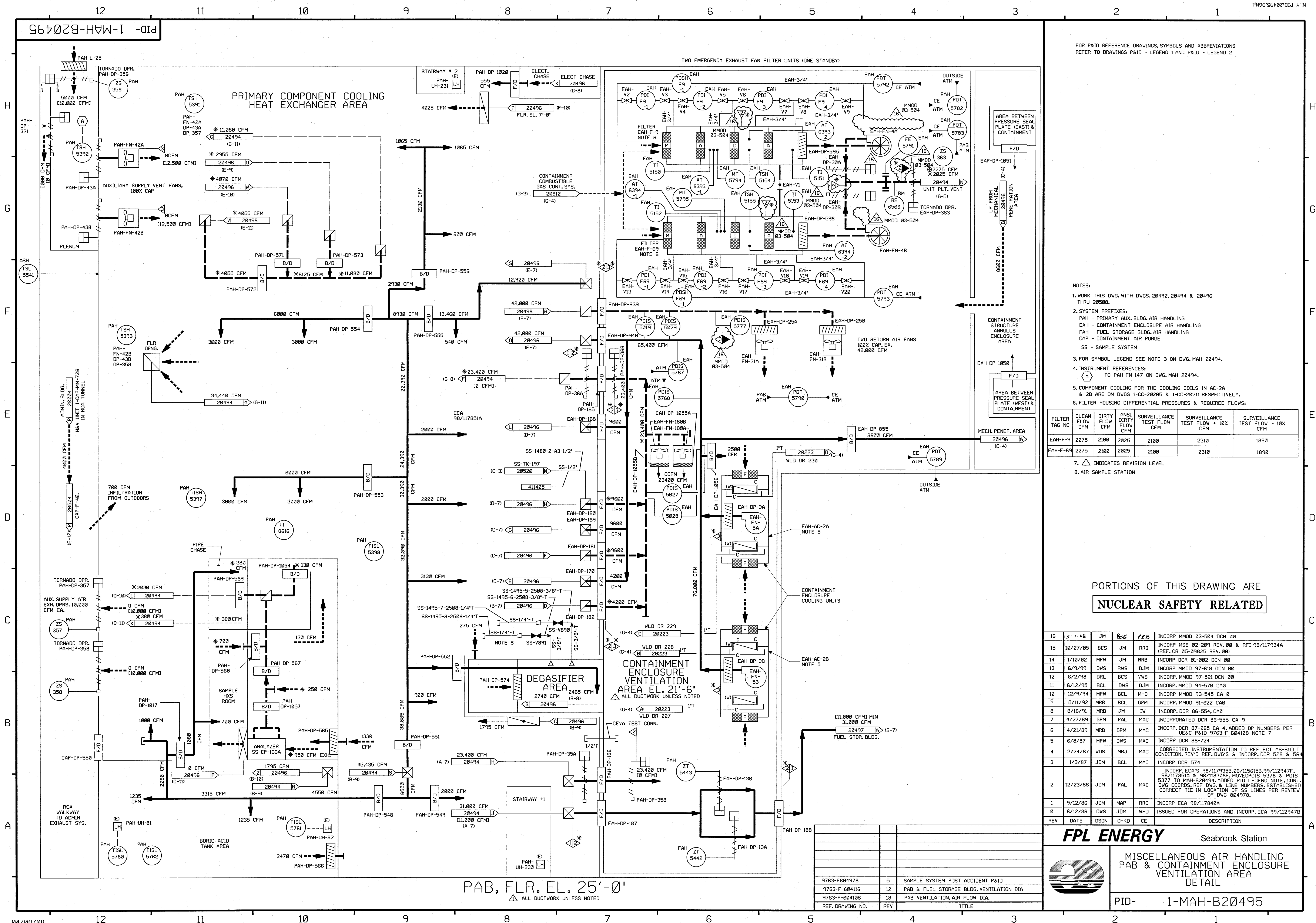
18	11/23/98	DWS	MAC	DWS	MAC	INCORP MMOD 970618 DCM#88
17	8/18/97	MPW	MAC	DWS	MAC	INCORP MMOD 96-522 DCM#88
16	8/18/97	MPW	MAC	DWS	MAC	INCORP MMOD 96-520 DCM#81
15	4/24/97	DWS	MAC	MPW	MAC	INCORP MMOD 960571 CA#10
14	11/17/96	BCL	MAC	DWS	MAC	INCORP MMOD 96-524 CA#9
13	11/17/96	BCL	MAC	MPW	MAC	INCORP MMOD 96-525 CA#9
12	6/12/95	BCL	MAC	DWS	MAC	INCORP MMOD 94-570 CA#8
11	12/6/94	DWS	MAC	MPW	MAC	INCORP MMOD 930545 CA#6
10	12/7/93	MRS	MAC	BCL	MAC	INCORP MMOD 90-585 CA#6
9	12/13/89	MRS	MAC	HP	MAC	ADDED CONTINUATIONS TO AND FROM RM-SKD-59
8	9/24/89	MRS	MAC	MPW	MAC	INCORP MMOD 88-12 CA
7	4/27/89	GPM	MAC	FCB	MAC	ADDED SYS PREFIX PER SIS VERIFICATION
6	4/21/89	MRS	MAC	GPM	MAC	INCORP DCR 87-265 CA 9
5	8/18/88	MPW	MAC	JM	MAC	RE-INCORP DCR 86-564 CA-2
4	4/9/87	DAP	MAC	MAC	MAC	ADDED INS. TIE-INS & NEW PAID FOR E-ENTRY, DELT. 87-37
3	3/13/87	PAL	MAC	DWS	MAC	ADDED PAID LEGEND NOTE & CONT DUCTS, CORRECTED CONT DWS INCORP ECA'S 94/112507-98/117939A/98/118237A
2	12/23/86	JDM	MAC	OPD	MAC	ADDED PAID LEGEND NOTE & CONT DUCTS, CORRECTED CONT DWS INCORP ECA'S 94/112507-98/117939A/98/118237A
1	10/3/86	JDM	MAC	MAP	MAC	INCORP ECA 90/11748A, 95/682068B & 98/118017A
0	6/12/86	JDM	MAC	SKN	MAC	ISSUED FOR OPERATIONS AND INCORP. ECA'S 94/112507-98/117939A/98/118237A
REV	DATE	DSGN	DRWN	CHKD	DES	DESCRIPTION

MISCELLANEOUS AIR HANDLING
PAB EL. 53'-0" & 81'-0"
DETAIL

PID-1-MAH-B20494

9763-F-084108	18	PAB VENTILATION SYSTEM, AIR FLOW, SHT. 1
REF. DRAWING NO.	REV	TITLE

PID-1-MAH-B20495



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

- NOTES:
1. WORK THIS DWG. WITH DWGS. 20492, 20494 & 20496 THRU 20508.
 2. SYSTEM PREFIXES:
PAH - PRIMARY AUX. BLDG. AIR HANDLING
EAH - CONTAINMENT ENCLOSURE AIR HANDLING
FAH - FUEL STORAGE BLDG. AIR HANDLING
CAP - CONTAINMENT AIR PURGE
SS - SAMPLE SYSTEM
 3. FOR SYMBOL LEGEND SEE NOTE 3 ON DWG. MAH 20494.
 4. INSTRUMENT REFERENCES:
A TO PAH-FN-147 ON DWG. MAH 20494.
 5. COMPONENT COOLING FOR THE COOLING COILS IN AC-2A & 2B ARE ON DWGS 1-CC-20205 & 1-CC-20211 RESPECTIVELY.
 6. FILTER HOUSING DIFFERENTIAL PRESSURES & REQUIRED FLOWS:

FILTER TAG NO	CLEAN FLOW CFM	DIRTY FLOW CFM	SURVEILLANCE TEST FLOW CFM	SURVEILLANCE TEST FLOW + 10% CFM	SURVEILLANCE TEST FLOW - 10% CFM
EAH-F-9	2275	2100	2025	2310	1890
EAH-F-69	2275	2100	2025	2310	1890

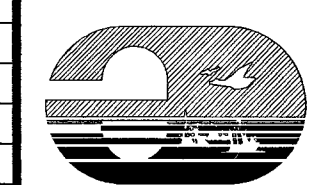
7. Δ INDICATES REVISION LEVEL
8. AIR SAMPLE STATION

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

16	5-7-98	JM	BS	IPB	INCORP MMD 03-504 DCN 00
15	10/27/05	BCS	JM	RRB	INCORP MSE 02-209 REV. 00 & RFI 98/117934A (REF. CR 05-09825 REV. 00)
14	1/10/02	MPW	JM	RRB	INCORP DCR 01-002 DCN 00
13	6/4/99	DWS	RWS	DJM	INCORP MMD 97-618 DCN 00
12	6/2/98	DRL	BCS	VWS	INCORP. MMD 97-521 DCN 00
11	6/12/95	BCL	DWS	DJM	INCORP. MMD 94-570 CA0
10	12/9/94	MPW	BCL	MHO	INCORP. MMD 93-545 CA 0
9	5/11/92	MRB	BCL	GPM	INCORP. MMD 91-622 CA0
8	8/16/91	MRB	JM	IW	INCORP. DCR 86-554, CA0
7	4/27/89	GPM	PAL	MAC	INCORPORATED DCR 86-555 CA 9
6	4/21/89	MRB	GPM	MAC	INCORP. DCR 87-265 CA 4; ADDED DP NUMBERS PER UEC. P&ID 9763-F-604108 NOTE 7
5	6/8/87	MPW	DWS	MAC	INCORP. DCR 86-724
4	2/24/87	WDS	MRJ	MAC	CORRECTED INSTRUMENTATION TO REFLECT AS-BUILT CONDITION. REV'D REF. DWG'S & INCORP. DCR 520 & 564
3	1/3/87	JDM	BCL	MAC	INCORP. DCR 87-574
2	12/23/86	JDM	PAL	MAC	INCORP. ECA'S 98/117935B, 06/115615B, 99/112947F, 98/117851A & 98/118306F. MOVED PDIS 5378 & PDIS 5377 TO MAH-B20494. ADDED PID LEGEND NOTE, CONT. DWG COORDS, REF DWG. & LINE NUMBERS. ESTABLISHED CORRECT TIE-IN LOCATION OF SS LINES PER REVIEW OF DWG 804978.
1	9/12/85	JDM	MAP	RRR	INCORP ECA 98/117840A
0	6/12/85	DWS	JDM	WFO	ISSUED FOR OPERATIONS AND INCORP. ECA 99/112947B
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

Seabrook Station



MISCELLANEOUS AIR HANDLING
PAB & CONTAINMENT ENCLOSURE
VENTILATION AREA
DETAIL

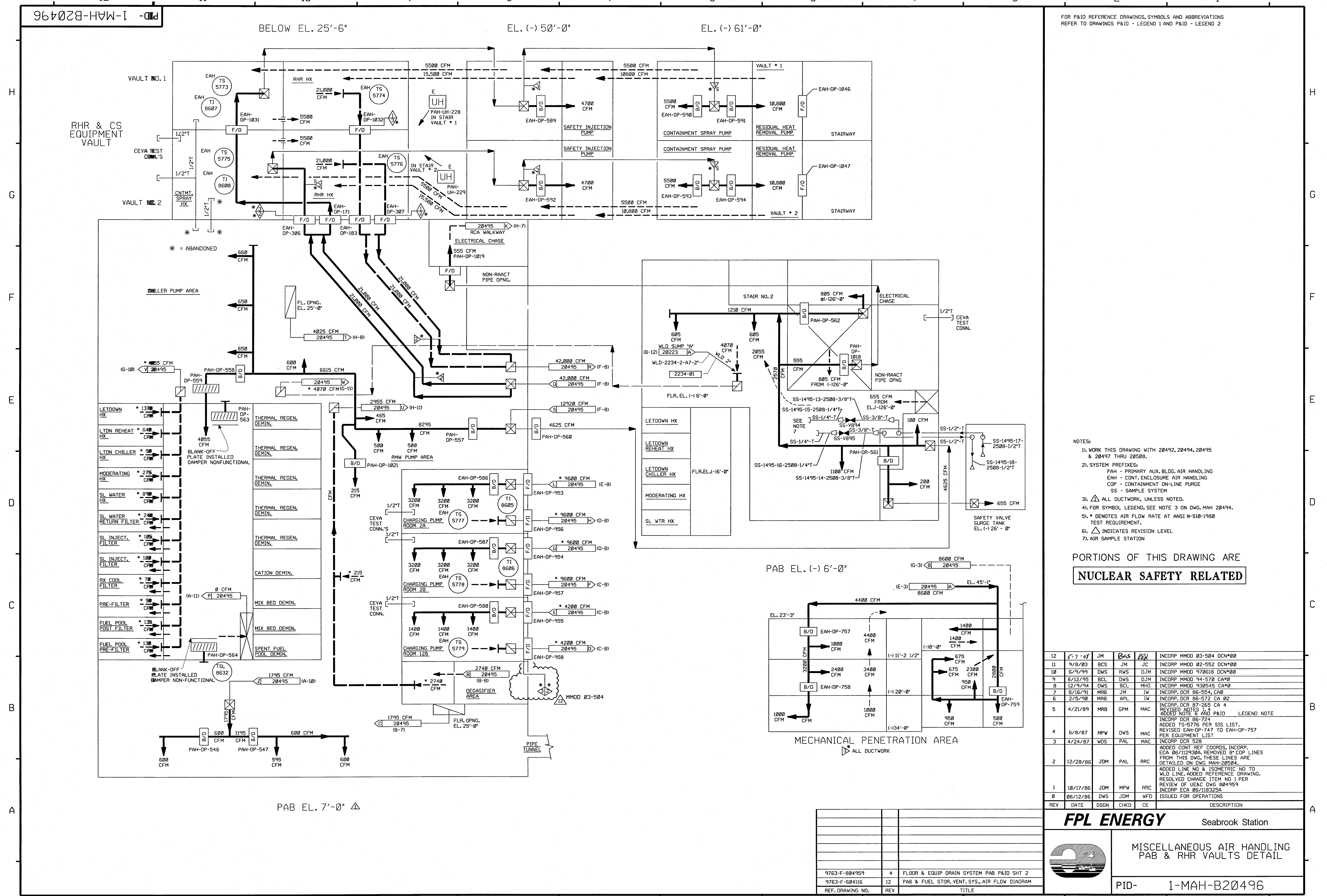
PID-1-MAH-B20495

9763-F804978	5	SAMPLE SYSTEM POST ACCIDENT P&ID
9763-F-604116	12	PAB & FUEL STORAGE BLDG. VENTILATION DIA
9763-F-604108	18	PAB VENTILATION, AIR FLOW DIA.
REF. DRAWING NO.	REV	TITLE

PAB, FLR. EL. 25'-0"
ALL DUCTWORK UNLESS NOTED

964020496 -1-MAH-B20496

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



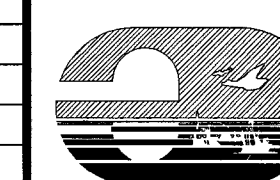
- NOTES:
1. WORK THIS DRAWING WITH 20492, 20494, 20495 & 20497 THRU 20508.
 2. SYSTEM PREFIXES:
PAH - PRIMARY AUX. BLDG. AIR HANDLING
EAH - CONT. ENCLOSURE AIR HANDLING
CDP - CONTAINMENT ON-LINE PURGE
SS - SAMPLE SYSTEM
 3. Δ ALL DUCTWORK, UNLESS NOTED.
 4. FOR SYMBOL LEGEND, SEE NOTE 3 ON DWG. MAH 20494.
 5. * DENOTES AIR FLOW RATE AT ANSI N-510-1980 TEST REQUIREMENT.
 6. Δ INDICATES REVISION LEVEL
 7. AIR SAMPLE STATION

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

12	5-7-01	JM	Bes	PP	INCORP MM00 03-504 DCN#00
11	9/8/03	BCS	JM	JC	INCORP MM00 02-552 DCN#00
10	6/9/99	DWS	RWS	DJM	INCORP MM00 970618 DCN#00
9	6/12/95	BCL	DWS	DJM	INCORP MM00 94-578 CA#0
8	12/9/94	DWS	BCL	MHO	INCORP MM00 930545 CA#0
7	8/16/91	MRB	JM	1W	INCORP DCR 86-554, C&D
6	2/5/90	MRB	APL	1W	INCORP DCR 86-572 CA 02
5	4/21/89	MRB	GPM	MAC	INCORP DCR 87-265 CA 4 ADDED NOTE 5 AND P&ID LEGEND NOTE
4	6/8/87	MPW	DWS	MAC	INCORP DCR 86-724 ADDED TS-5776 PER SIS LIST. REVISED EAH-OP-747 TO EAH-OP-757 PER EQUIPMENT LIST
3	4/24/87	WDS	PAL	MAC	INCORP DCR 828
2	12/28/86	JDM	PAL	RRC	ADDED CONT REF COORDS, INCORP. E&A 06/112930A, REMOVED 8" COP LINES FROM THIS DWG. THESE LINES ARE DETAILED ON DWG MAH-20504.
1	10/17/86	JDM	MPW	RRC	ADDED LINE NO & ISOMETRIC NO TO WLD LINE, ADDED REFERENCE DRAWING. RESOLVED CHANGE ITEM NO 1 PER REVIEW OF U&C DWG 804959
0	06/12/86	DWS	JDM	WFD	INCORP E&A 06/118325A ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

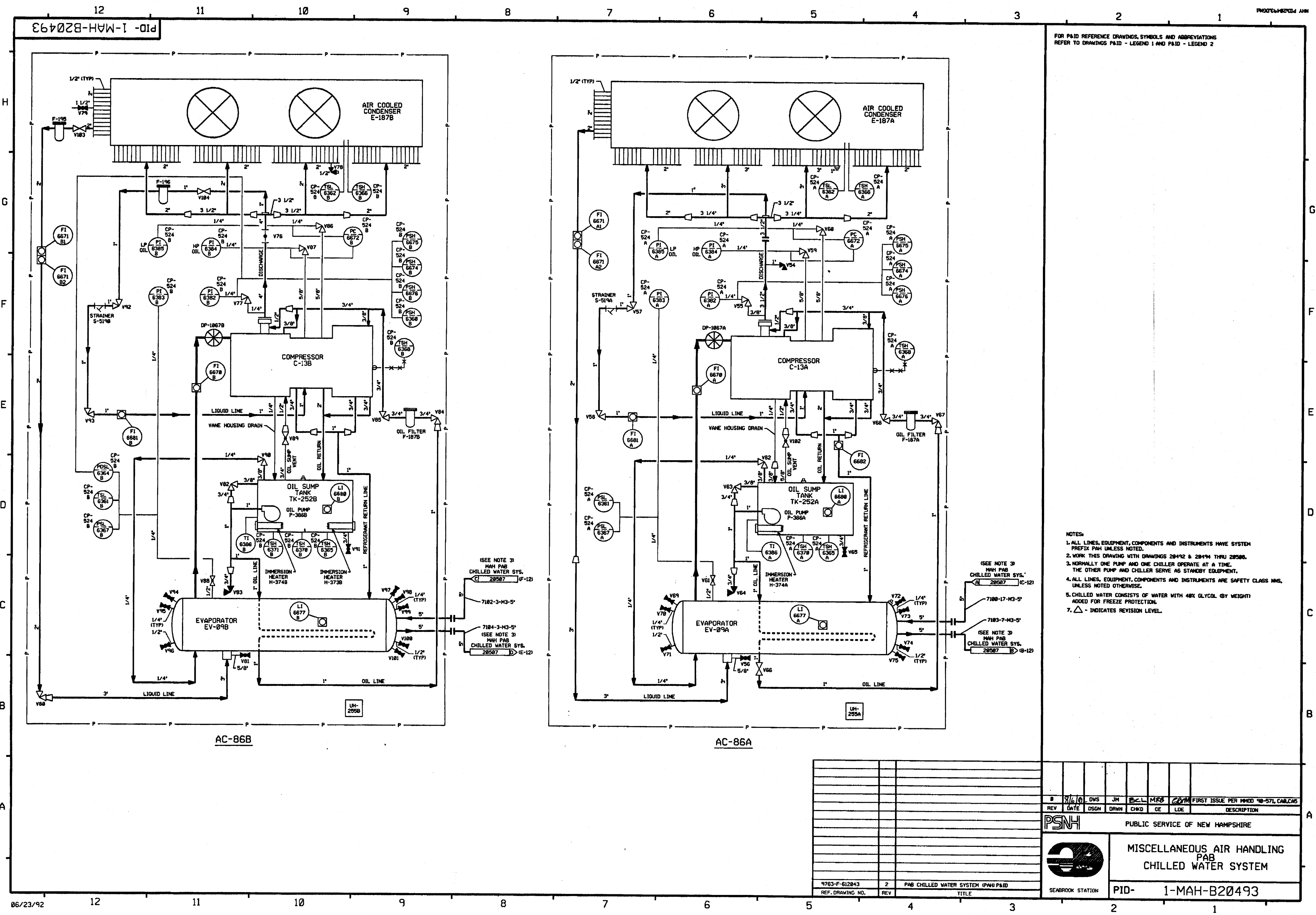
Seabrook Station



MISCELLANEOUS AIR HANDLING
PAB & RHR VAULTS DETAIL

PID- 1-MAH-B20496

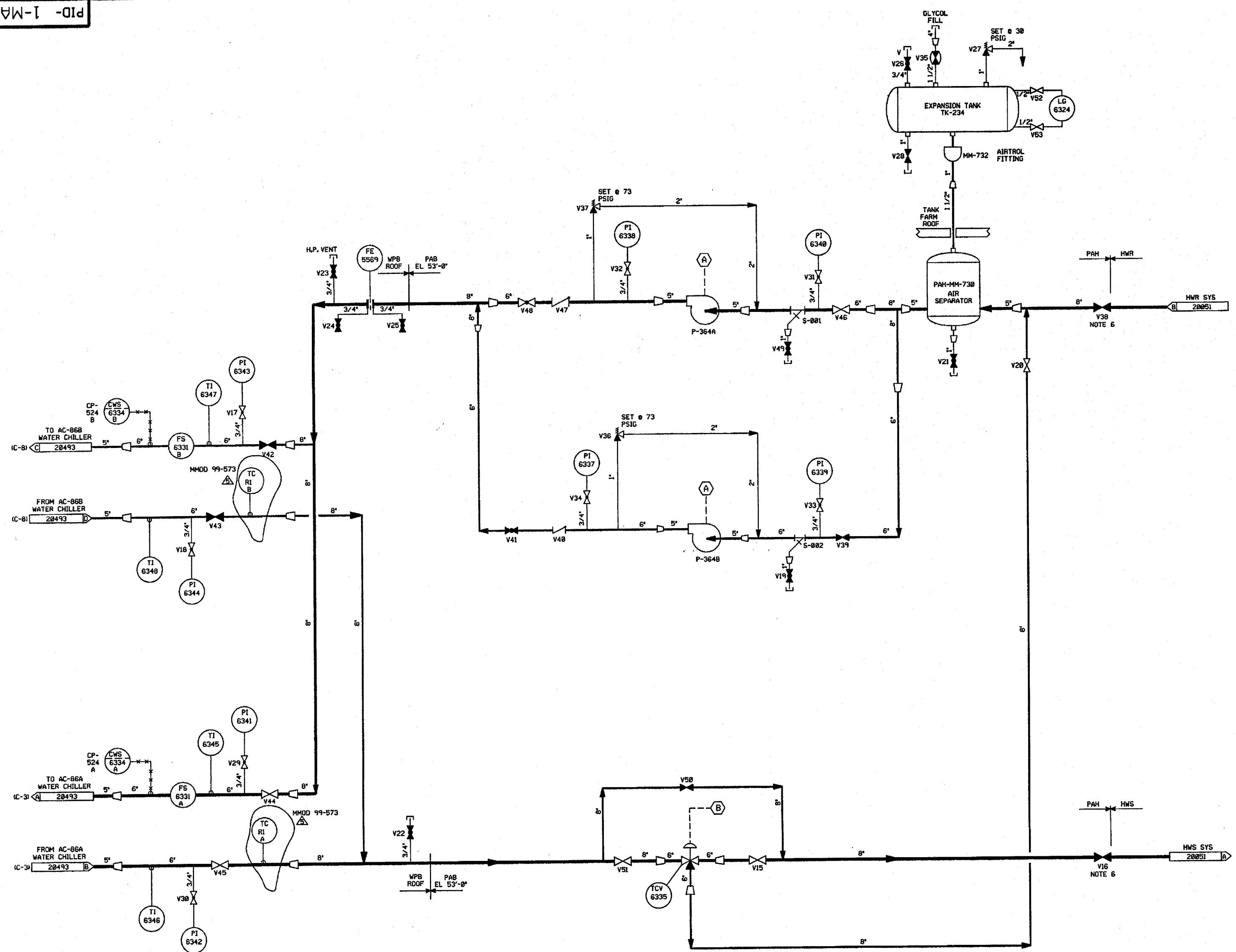
9763-F-804959	4	FLOOR & EQUIP DRAIN SYSTEM PAB P&ID SHT 2
9763-F-604116	12	PAB & FUEL STOR. VENT. SYS., AIR FLOW DIAGRAM
REF. DRAWING NO.	REV	TITLE



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

PID-1-MAH-B20507

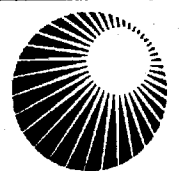
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2



- NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX PAH UNLESS NOTED.
 2. WORK THIS DRAWING WITH DRAWINGS 20492, 20493 AND 20494 THRU 20506 & 20508.
 3. NORMALLY ONE PUMP AND ONE CHILLER SERVE AS STANDBY EQUIPMENT.
 4. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS UNLS, UNLESS NOTED OTHERWISE.
 5. CHILLED WATER CONSISTS OF WATER WITH 40% GLYCOL (BY WEIGHT) ADDED FOR FREEZE PROTECTION.
 6. VALVES NORMALLY CLOSED, USED FOR SUMMER OPERATION ONLY.
 7. Δ - INDICATES REVISION LEVEL.

8. INSTRUMENT REFERENCES:
- (A) FROM CP-587
 - (B) FROM TIC-6335 ON DWG 20494

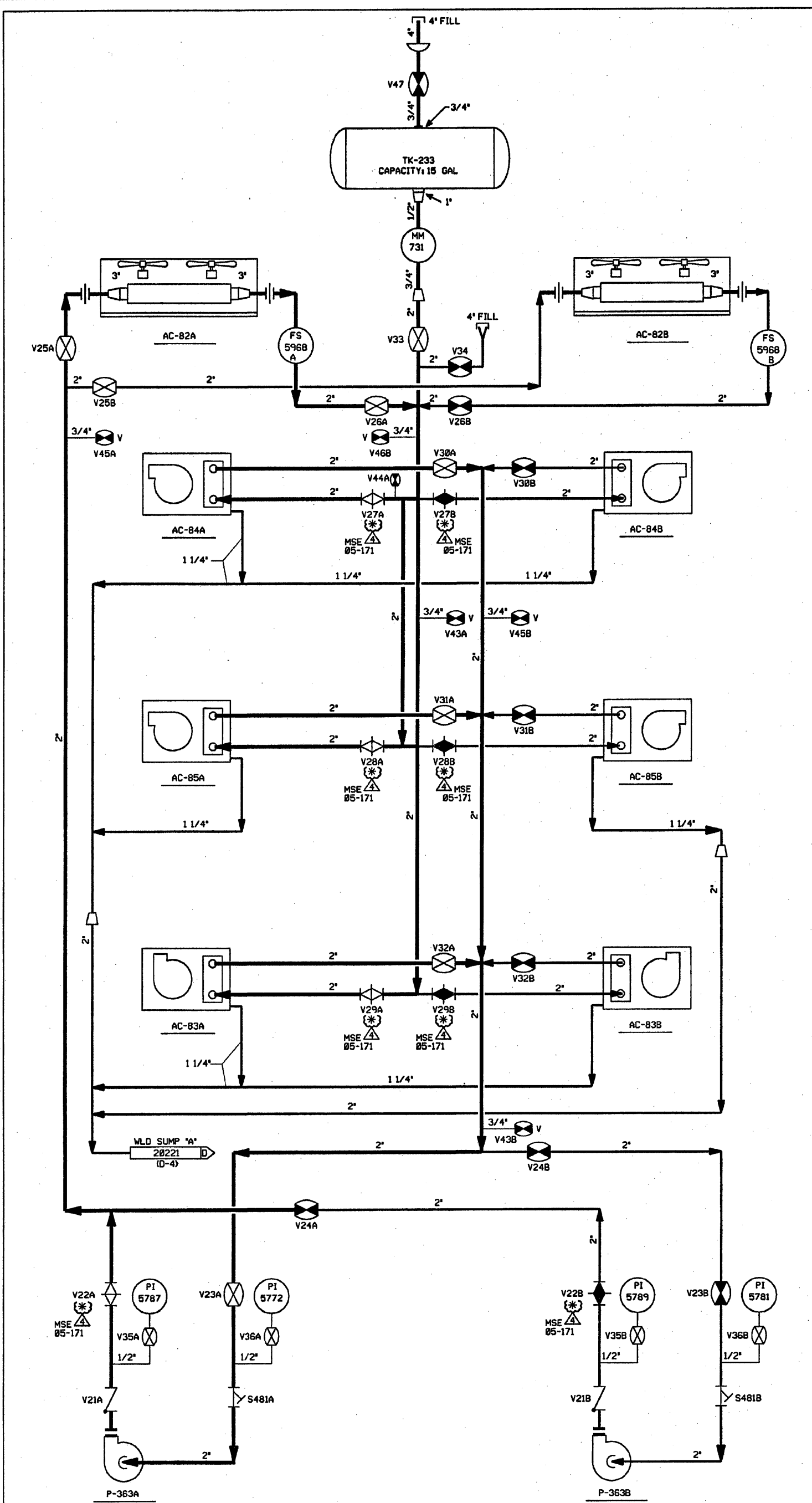
5	7/24/82	BCS	—	DOS	JWB	MAC	INCORP. MMOD 99-573 DCN-00
4	8/6/92	MRB	FCB	JH	BCL	GRM	INCORP. MMOD 98-571, CAB REVISED NOTE 4 PER NHY ENG DESIGN STD 31700 SEC 3.0 CLARIFIED LINE SIZE ON S-001
3	6/8/87	JDM	TAK	DWS	BCL	MAC	VALVES V42 & V43 SHOWN CLOSED, VALVES V44 & V45 SHOWN OPEN, INCORP. ECA 99/115697C APPROVED CHANGE ITEM 1 PER FIELD COMPLETION OF ILL PAH-504
2	3/6/87	WDS	TAK	MRJ	BCL	RRC	UPDATE IMPULSE DESIGNATION BETWEEN TIC 6335 & TCV 6335, ADDED NIPPLE & CAP ON VLVs V25 & V26 PER ERECTION ISO'S, ADDED P&ID LEGEND NOTE, REVISED REF DWG REVISION NO. REVISED CHILLER ARRANGEMENT PER CHANGE ITEM Δ , CORRECTED DRAFTING ERRORS.
1	9/12/86	JDM	DWS	HAP	BCL	RRC	INCORP. ECA 99/117512A & ECA 99/117529A
0	6/13/86	WES	WES	JDM	DFM	WFD	ISSUED FOR OPERATIONS AND INCORP. ECA'S 86/114659A & 13/882242A
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

**North Atlantic** Energy Service Corporation

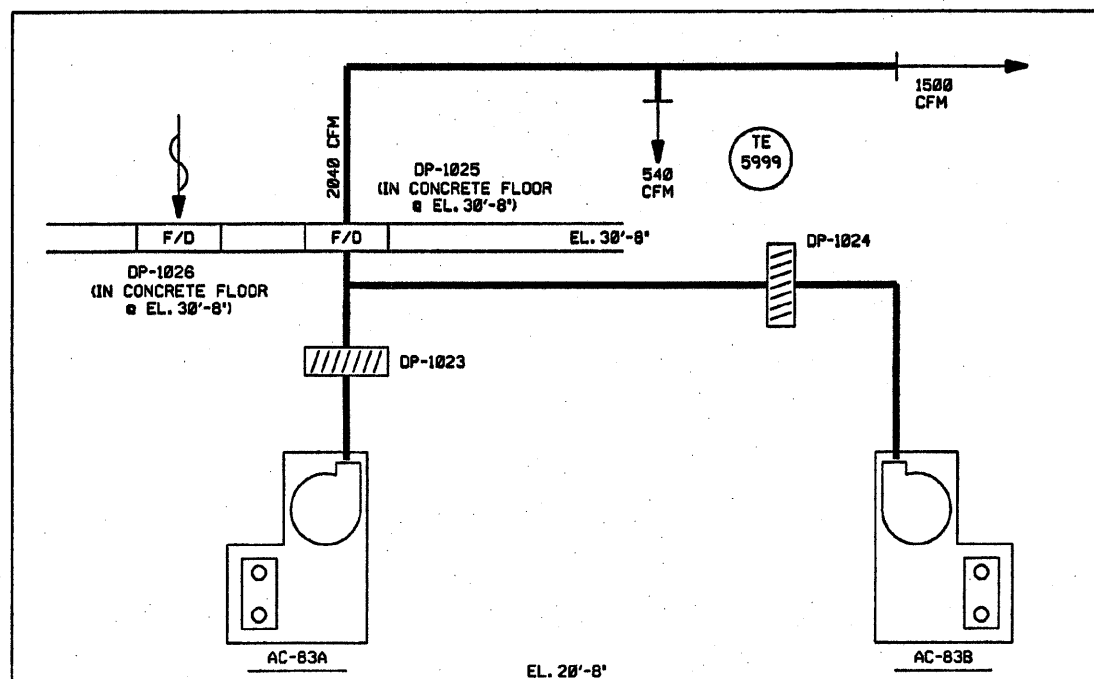
MISCELLANEOUS AIR HANDLING
PAB
CHILLED WATER SYSTEM

PID-1-MAH-B20507

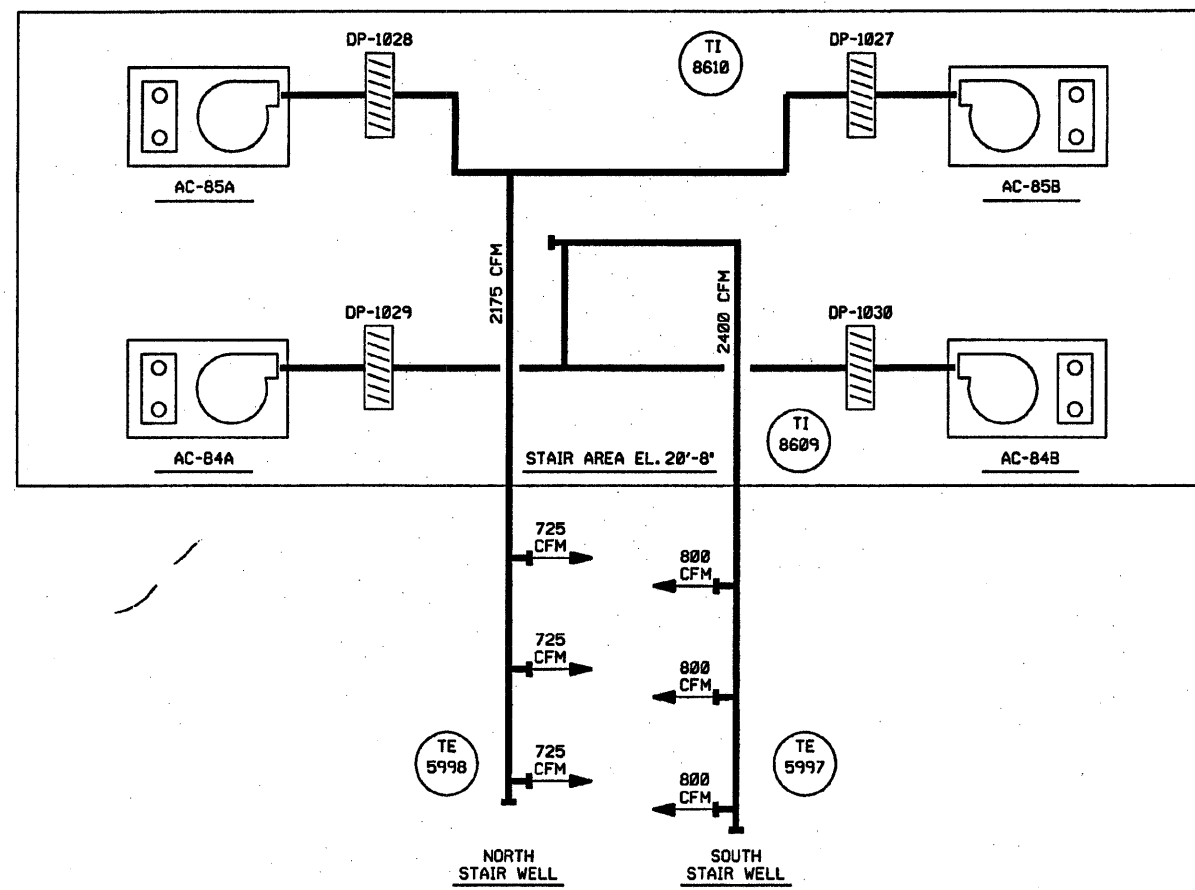
9763-F-612843	2	PAB CHILLED WATER SYSTEM (PAB P&ID)
REF. DRAWING NO.	REV	TITLE



GLYCOL FLOW DIAGRAM



ELECTRICAL AREA



AIR FLOW 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 20492 & 20494 THRU 20507.
 2. ALL PIPING, VALVES, EQUIPMENT, AND INSTRUMENTS ARE SYSTEM PREFIX "EAM" UNLESS OTHERWISE NOTED.
 3. ALL PIPING, VALVES, EQUIPMENT, AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
 4. Δ - INDICATES REVISION LEVEL.
 5. * THESE VALVES ARE SUBJECT TO A PART SUBSTITUTION AUTHORIZED BY 05MSE171. VALVE SYMBOL MAY NOT REFLECT INSTALLED VALVE TYPE. DRAWING UPDATES WILL BE MADE UPON RECEIPT OF FORM WH 54F.

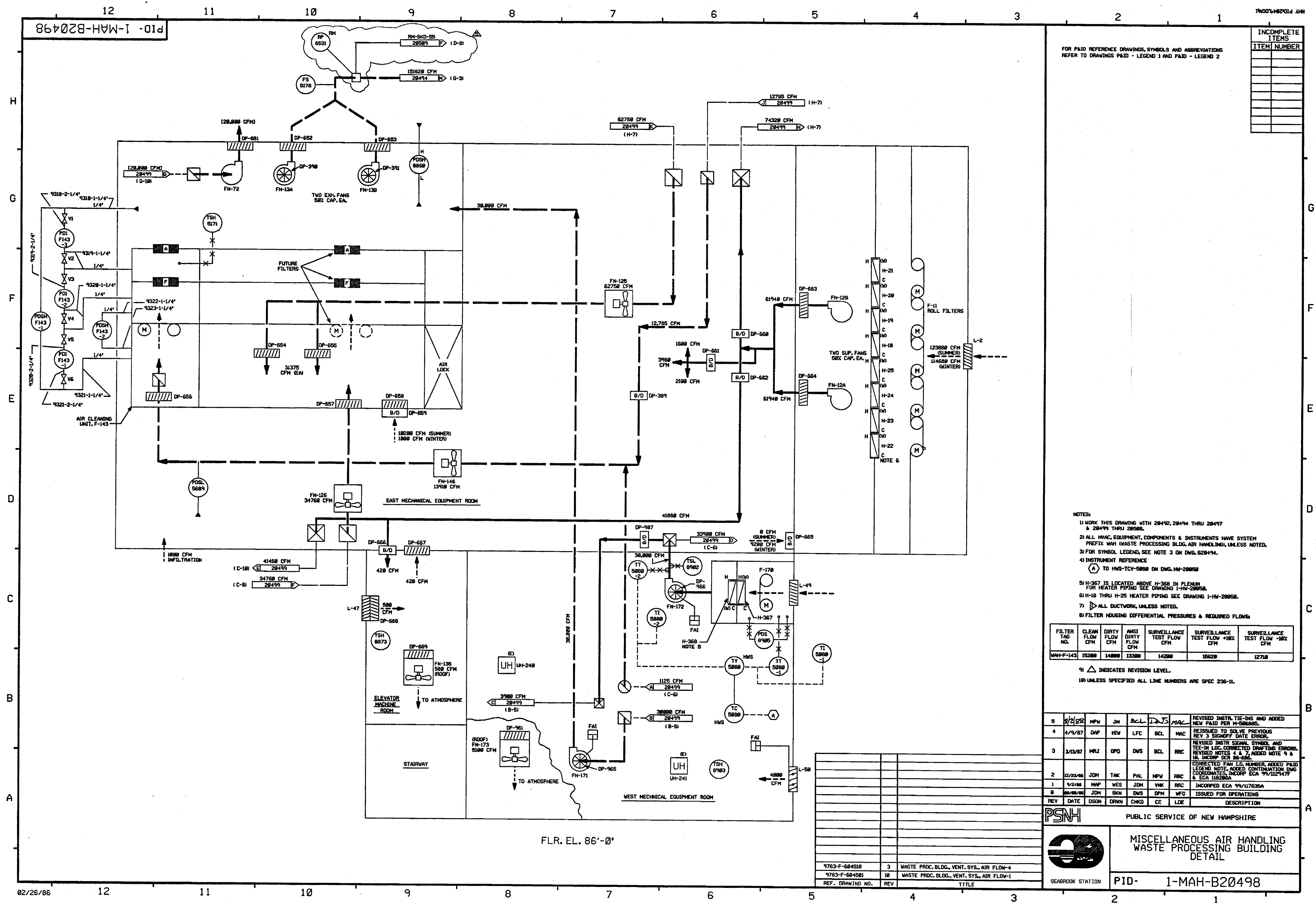
REV	DATE	DSGN	CHKD	CE	DESCRIPTION
4	2-5-08	JM	QPS	REB	INCORP MSE 05-171 REV. 00
3	1/22/91	MRB	JM	DJM	INCORP. ECA 06/117754A REVISED NOTE 3
2	3/16/87	DPO	MRJ	BCL	ADDED 1500 CFM DESIGNATION
1	2/24/87	WDS	PAL	BCL	ADDED NOTE 4, REVISED REF DWG REVISION, INCORP DCR 520.
0	6/12/86	JDM	DWS	DFM	ISSUED FOR OPERATIONS

FPL ENERGY Seabrook Station

GLYCOL, AIR FLOW DIAGRAM
AC SYSTEM
ELECTRICAL VAULT & STAIRS

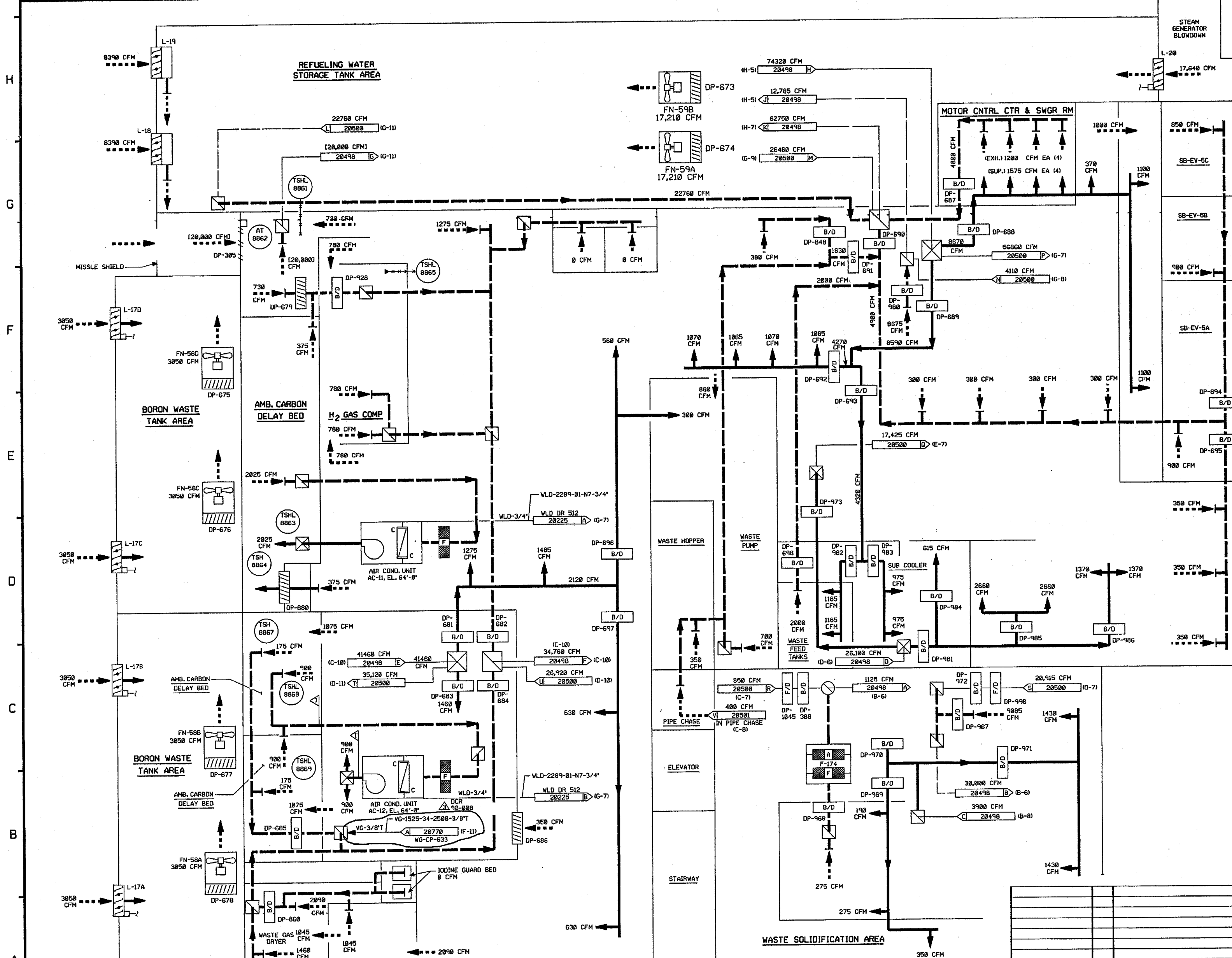
PID- 1-MAH-B20508

REF. DRAWING NO.	REV	TITLE
9763-F-612041	3	GLYCOL, AIR FLOW DIAG. AC SYST. ELECT. VAULT & STAIRS



660499-1-MAH-B20499

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



W.P.B. FLR. EL. 53'-0"

- NOTES:
1. WORK THIS DWG WITH DWGS 20492, 20494 THRU 20498 & 20500 THRU 20508.
 2. ALL HVAC EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX WWP (WASTE PROCESSING BLDG. AIR HANDLING) UNLESS NOTED.
 3. FOR SYMBOL LEGEND, SEE NOTE 3 ON DWG 20494.
 4. ∇ ALL DUCTWORK UNLESS NOTED
 5. Δ INDICATES REVISION LEVEL

3	8/25/98	MPW		WWS	MAC	INCORP. DCR '98-008 DCH 00
2	4/9/97	DAP	TAK	LFC	BCL	REVISED REV. 1 SIGNOFF DATE ERROR
1	3/12/97	WDS	MPW	MRJ	BCL	INCORP. DCR 86-686 ADDED PAID LEGEND NOTE, NOTE 5, DWG. CONT. COORDINATES, REVISED REF. DWG. REV. LEVELS, PER LATEST UEMC PAID. DELETED "S" FROM DWG. NO. IN NOTE 18.3.
0	8/12/86	DWS	WES	JDM	OFM	ISSUED FOR OPERATIONS & INCORP. ECS'S 06/882481A & 14/113829A
REV	DATE	DSGN	DRWN	CHKD	CODE	DESCRIPTION

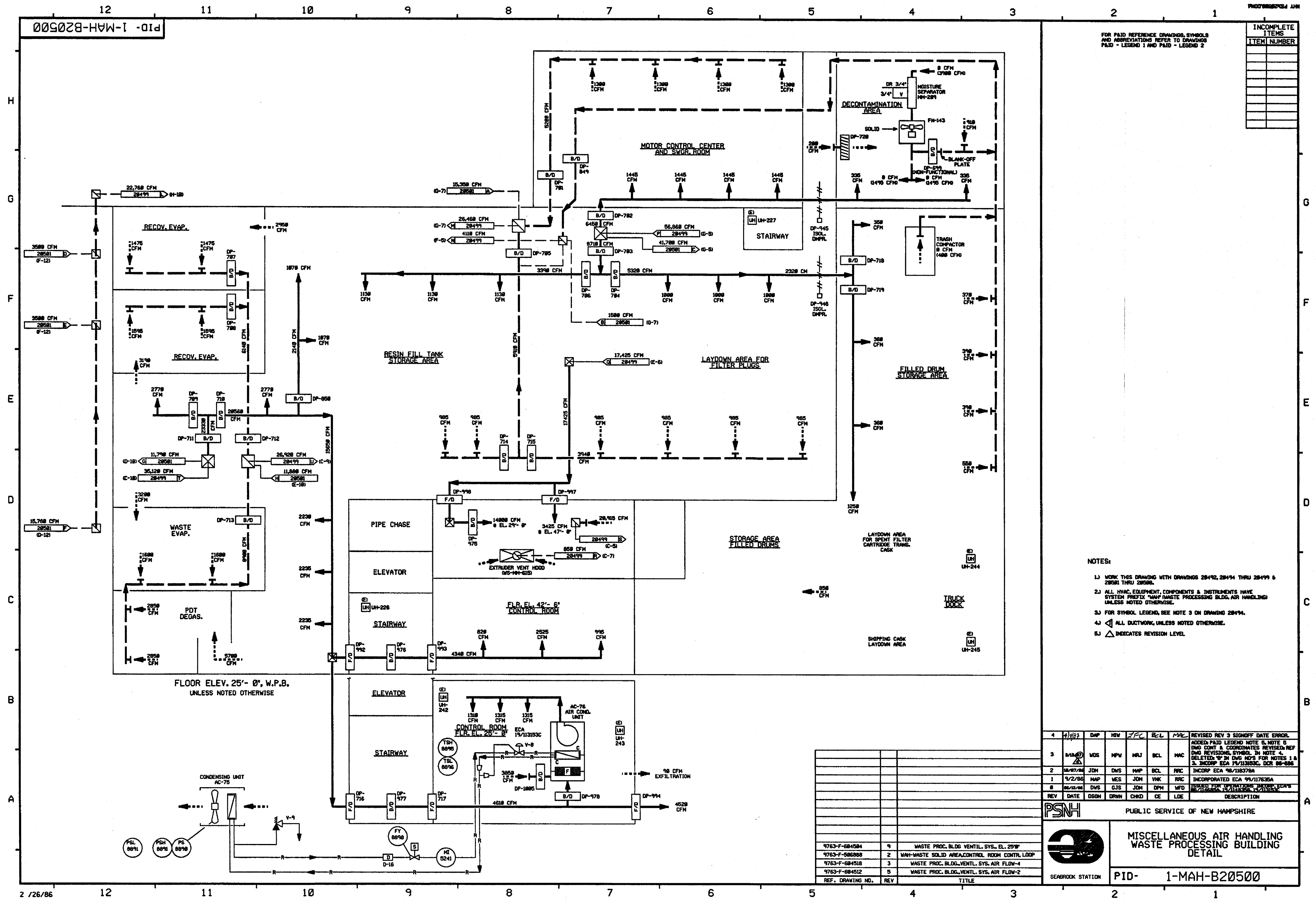
North Atlantic Energy Service Corporation

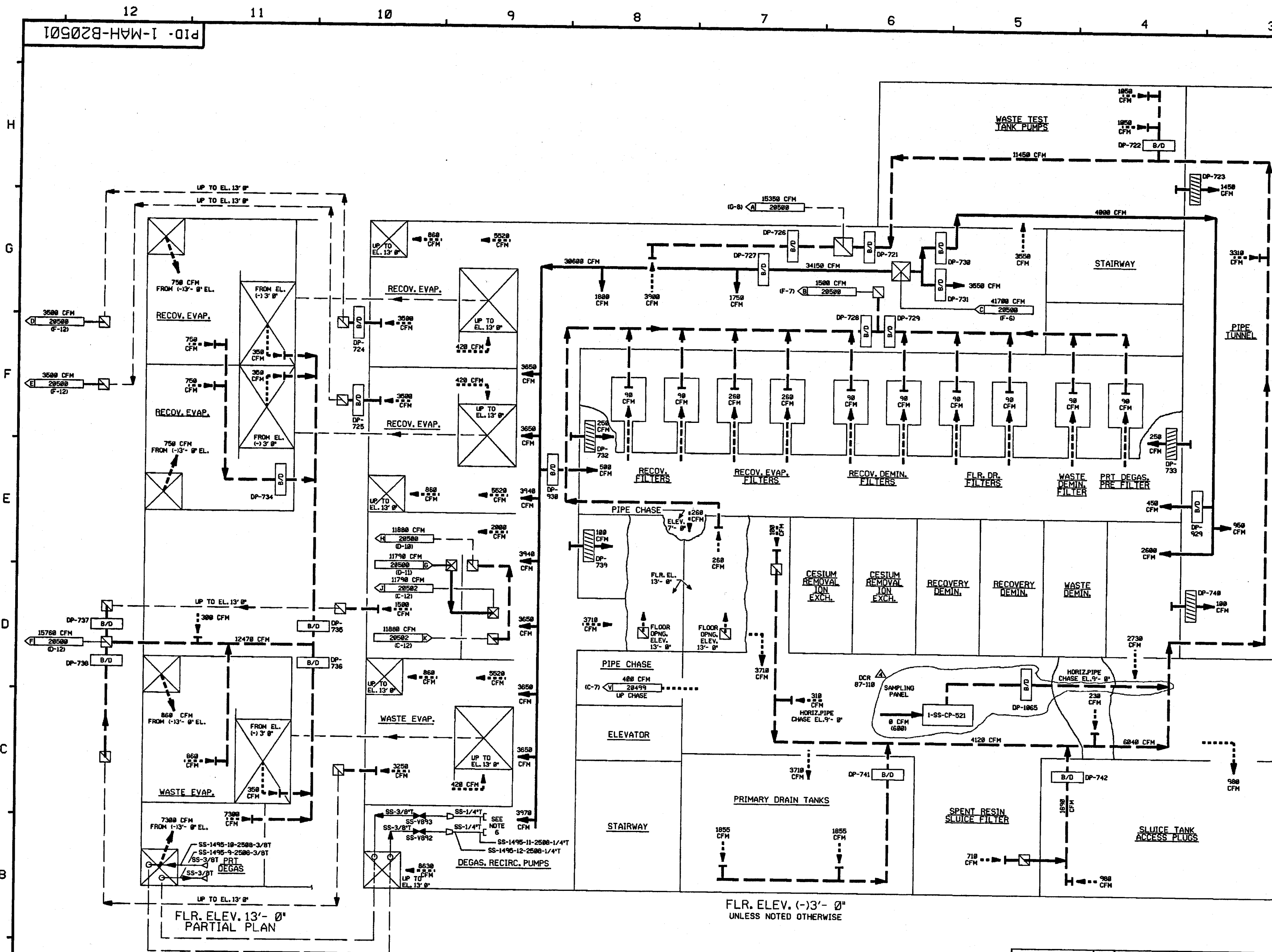


MISCELLANEOUS AIR HANDLING
WASTE PROCESSING BUILDING
DETAIL

PID- 1-MAH-B20499

9763-F-604503	8	WASTE PROC BLDG VENTIL. SYS AIR EL. 53'0"
9763-F-604518	3	WASTE PROCESS BLDG VENTIL. SYS AIR SH. 4
9763-F-604501	10	WASTE PROCESS BLDG VENTIL. SYS AIR SH. 1
REF. DRAWING NO.	REV	TITLE





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

INCOMPLETE ITEMS	
ITEM	NUMBER

- NOTES:
- 1) WORK THIS DRAWING WITH DRAWINGS 28492, 28494 THRU 28500 & 28502 THRU 28508.
 - 2) ALL HVAC EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX 'WAP' (WASTE PROCESSING BUILDING AIR HANDLING), UNLESS NOTED OTHERWISE.
 - 3) FOR SYMBOL LEGEND SEE NOTE 3 ON DRAWING 828494.
 - 4) ALL DUCTWORK, UNLESS NOTED OTHERWISE.
 - 5) INDICATES REVISION LEVEL.
 - 6) AIR SAMPLE STATION.

4	10/2/87	MRB	RNC	PAL	GPM	LAL	INCORPORATED DCR 87-118 CA 11
3	4/2/85	MRB	FCB	GPM	PAL	MAC	INCORPORATED DCR 87-265 CA 4
2	4/9/87	DAP	TAK	LFC	BCL	MAC	REVISED REV. 1 SIGNOFF DATE ERROR
1	3-13-87	MRJ	GJS	OPD	BCL	MAC	ADDED CONTINUATION FLAG COORD'S AND NOTES, REVISED AIR FLOW PER UAC.
0	6/12/85	DWS	GJS	JDW	DLH	WFD	INCL. DCR 86-585
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	ISSUED FOR OPERATIONS
PSNH							PUBLIC SERVICE OF NEW HAMPSHIRE

MISCELLANEOUS AIR HANDLING
WASTE PROCESSING BUILDING
DETAIL

9763-F-884513

REF. DRAWING NO.

3

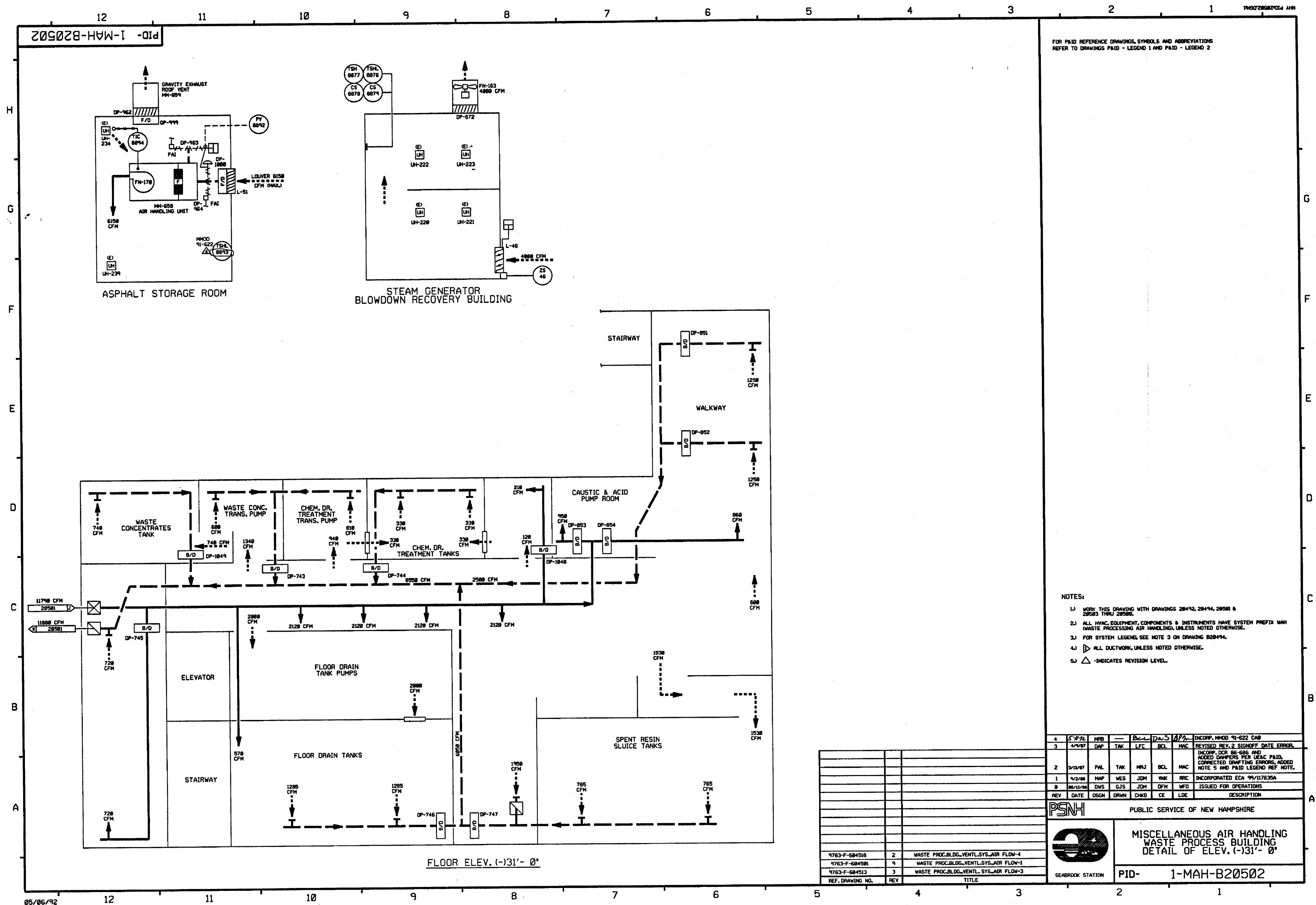
REV

WASTE PROC. BLDG. VENTL. SYS. AIR FLOW-3

TITLE



SEABROOK STATION

PID- 1-MAH-B20501



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 28492, 28494, 28508 & 28503 THRU 28508.
- 2.) ALL HVAC EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX WASH (WASTE PROCESSING AIR HANDLING), UNLESS NOTED OTHERWISE.
- 3.) FOR SYSTEM LEGEND, SEE NOTE 3 ON DRAWING B28494.
- 4.)  ALL DUCTWORK, UNLESS NOTED OTHERWISE.
- 5.)  -INDICATES REVISION LEVEL.

4	5/17/86	MFB	---	BCL	DWS	APR	INCORP. MH40 91-622 CAB
3	4/9/87	DAP	TAK	LFC	BCL	NAC	REVISED REV. 2 SIGNOFF DATE ERROR.
2	3/13/87	PHL	TAK	MRJ	BCL	NAC	INCORP. DCR 86-685 AND ADDED CRAWPERS PER UACB PAID. CORRECTED DRAFTING ERRORS, ADDED NOTE 5 AND PAID LEGEND REF NOTE.
1	1/2/86	MFP	WES	JDM	YMK	RFC	INCORPORATED ECA 99/117635A
0	06/12/86	DWS	GJS	JDM	DFM	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION

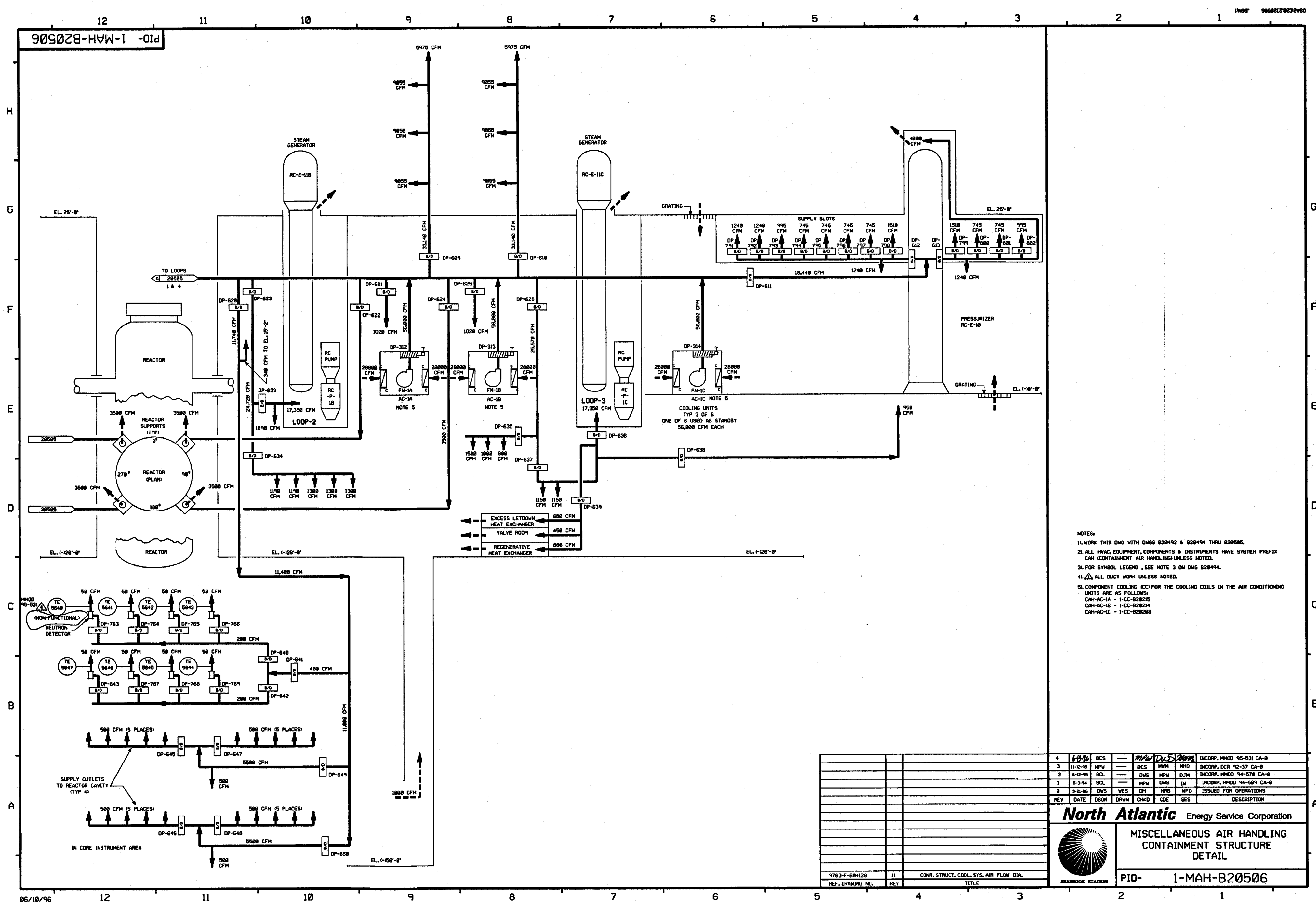
PSNH

PUBLIC SERVICE OF NEW HAMPSHIRE

MISCELLANEOUS AIR HANDLING
WASTE PROCESS BUILDING
DETAIL OF ELEV. -031'- 0"

SEABROOK STATION

PID- 1-MAH-B20502




NOTES:


1. WORK THIS DWG WITH DWGS B28492 & B28494 THRU B28505.
2. ALL HVAC, EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX CHA (CONTAINMENT AIR HANDLING) UNLESS NOTED.
3. FOR SYMBOL LEGEND, SEE NOTE 3 ON DWG B28494.
4. Δ ALL DUCT WORK UNLESS NOTED.
5. COMPONENT FOLLOWING (C) FOR THE COOLING COILS IN THE AIR CONDITIONING UNITS ARE AS FOLLOWS:
CHA-AC-1A - 1-CO-B28215
CHA-AC-1B - 1-CO-B28214
CHA-AC-1C - 1-CO-B28282

4	6410	BCS	---	MPW	DWS	MMH	INCORP. MMOD 95-531 CA-B
3	11-12-95	MPW	---	BCS	MMH	MMH	INCORP. DCR 42-37 CA-B
2	6-12-95	BCL	---	DWS	MPW	DJO	INCORP. MMOD 94-570 CA-B
1	5-3-94	BCL	---	MPW	DWS	IV	INCORP. MMOD 94-560 CA-B
0	3-21-95	DWS	YES	DN	MRB	MPD	ISSUED FOR OPERATIONS
KEY	DATE	DSGN	DRWN	CHKD	CODE	SES	DESCRIPTION

North Atlantic Energy Service Corporation

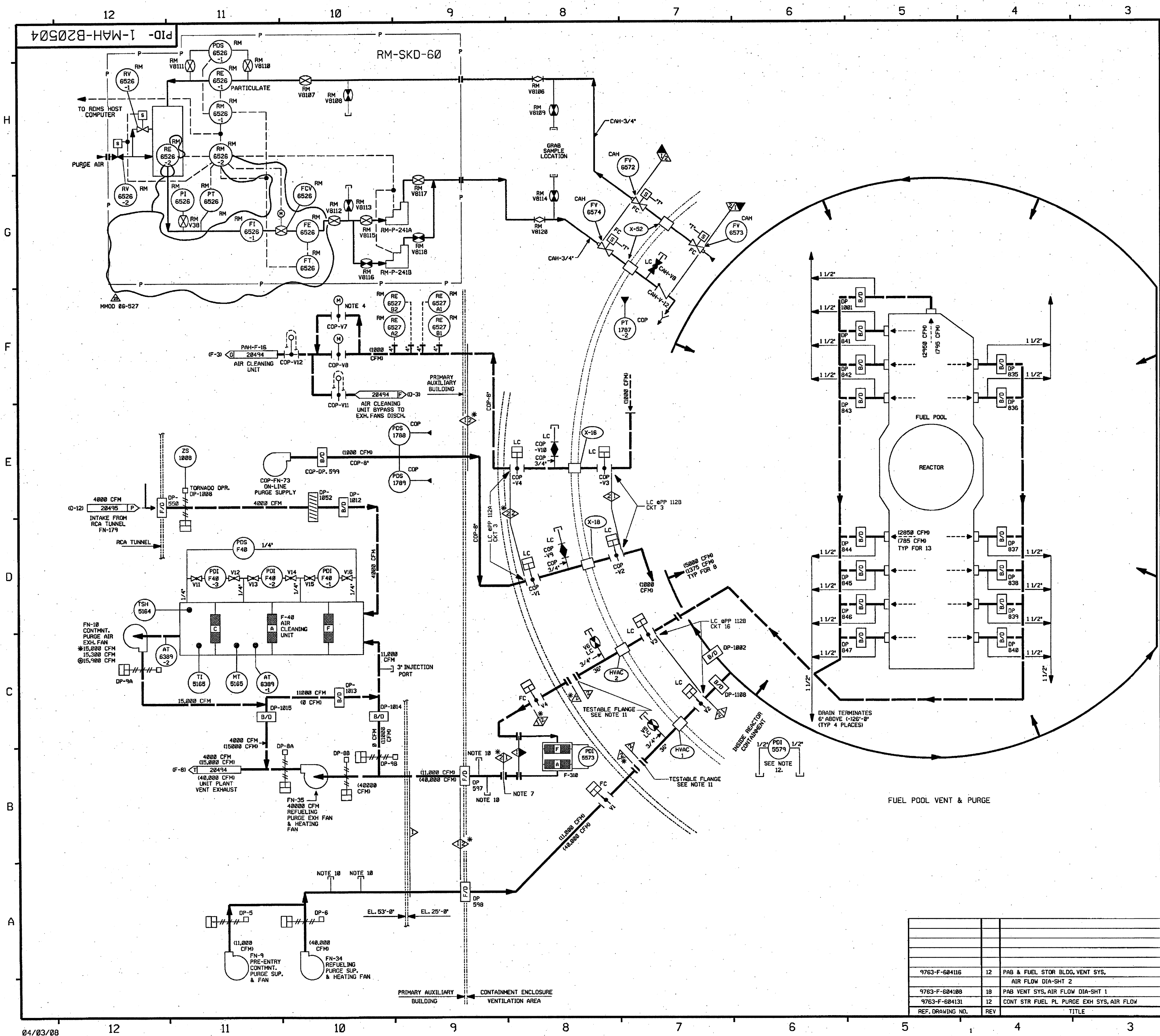


MISCELLANEOUS AIR HANDLING
CONTAINMENT STRUCTURE
DETAIL



SEASCOPE STATION

PID- 1-MAH-B20506



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 20492, 20494 THRU 20503 & 20505 & 20506.
 2. ALL PIPING, HVAC, EQUIP. COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX CAP (CONTAINMENT AIR PURGE) UNLESS NOTED.
COP - (CONTAINMENT ON-LINE PURGE)
 3. FOR SYMBOL LEGEND, SEE NOTE 3 ON DWG. 20494.
 4. VALVE COP-V7 IS USED FOR THROTTLING.

5. FILTER HOUSING DIFFERENTIAL PRESSURES & REQUIRED FLOWS:

FILTER TAG NO.	CLEAN FLOW CFM	DIRTY FLOW CFM	ANSI DIRTY FLOW CFM	SURVEILLANCE TEST FLOW CFM	SURVEILLANCE TEST FLOW +10% CFM	SURVEILLANCE TEST FLOW -10% CFM
CAP-F-40	15300	15300	15000	15450	16995	13905

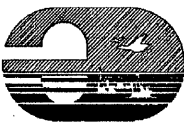
6. VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM SIDE OF THE OUTER ISOLATION VALVE PER 1-NHY-885111 UNLESS OTHERWISE NOTED.
7. BLIND IS INSTALLED TO ISOLATE THE FILTER. DURING MODES 1-4 (NORMAL OPERATION), DURING MODES 5 & 6 (OUTAGES), THE BLIND WILL BE REMOVED TO ALIGN THE FILTER FOR OPERATION.

8. Δ INDICATES REVISION LEVEL
9. DELETED
10. INSTRUMENT REMOVED AND LINE CAPPED.
11. TESTABLE FLANGES ARE INSTALLED DURING MODES 1-4 (NORMAL OPERATION). DURING MODES 5 & 6 (OUTAGES), THE BLIND FLANGES WILL BE REMOVED AND TRANSITION PIECES INSTALLED.
12. PDI FOR USE DURING REFUELING OUTAGES. ATTACH TEMP. TUBING TO HIGH SIDE AND ROUTE TO OUTSIDE AMBIENT.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

25	4/14/88	BCS	JM	JME	INCORP MMD 06-527 DCN-00
24	12/8/84	BCS	JM	RRB	INCORP CR 04-09401 REV 00
23	9/4/83	BCS	JM	MKC	INCORP SYSTEM FINAL CONFIGURATION PER DCR 00-21 DCN-00
22	1/27/83	JM	MPW	BCS	INCORP CR 00-04963 REV 00, REVISED VALVE SYMBOL
21	10/28/80	DWS	MKC	MKC	INCORP DCR 00-00221 DCN-00
20	6/2/78	DWS	BCS	HW	INCORP MMD 97-521 DCN-00
19	6/2/78	DRL	MPW	VWS	INCORP MMD 97-521 DCN-00
18	12/2/75	MPW	BCS	RJF	INCORP MMD 95-508 CA-0
17	11/6/75	BCL	MPW	RRC	INCORP DCR 95-003 CA-0
16	6/12/75	BCL	DWS	DJM	INCORP MMD 94-570 CA-0
15	4/20/74	MPW	BCL	WFZ	INCORP DCR 92-014 CA-7
14	2/9/74	BCL	MRB	VFZ	INCORP MMD 93-524 CA-0
13	10/2/72	BCL	MRB	SAW	INCORP DCR 90-14 CA-4
12	4/14/72	MRB	DWS	JEV	INCORP MMD 91-515 CA-0
11	9/18/91	GPM	JM	MAC	INCORP DCR 90-14 CA-02
10	2/26/91	MRB	JM	BCL	INCORP DCR 05-535 CA-01 & INCORP 90-14 CA-02
9	1/23/90	MRB	APL	GRM	INCORP MMD 89-506 CA-0 AND INCORP DCR 85-555 CA-5
8	4/27/89	GPM	MRB	MAC	REVISED VALVE SYMBOLS PER FP 73290, NOTE 6 DELETED; NOTE 7 & 9
7	5/12/87	MPW	HIW	VWS	DELETED CHANGE ITEM 10 PER DCR 87-138
6	4/9/87	DAP	LFC	MAC	REVISED REV 5 SIGNOFF DATE ERROR. REVISED SYS PREFIX FOR VLV'S ON RM-SKD-60. REVISED CAH-V8 TO GLOBE VLV PER ECA 99/1001019. ADDED SCHEMATIC LINES AND REMOVED RACK MTD. SYMBOLS PER EXISTING CONFIGURATION. ADDED NOTE 9 AND CHANGE ITEM 1.
5	3/13/87	MRJ	JDM	MAC	ADDED CONTINUATION DWG COORDINATES, INCORP ECA 99/1123477
4	12/23/86	JDM	PAL	RRC	ADDED NOTE 7, 8 & P&ID LEGEND. INCORP DETAILS FOR RM-SKD-60.
3	10/17/86	JDM	MPW	RRC	INCORP ECA 06/002001C & 98/117940A ADDED LINE SIZES & REV REF DWGS
2	10/9/86	JDM	MAP	RRC	UPDATE PER LATEST USEC P&ID
1	6/24/86	DWS	VNK	RRC	INCORP ECA 99/1123477
0	3/4/86	DWS	DM	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

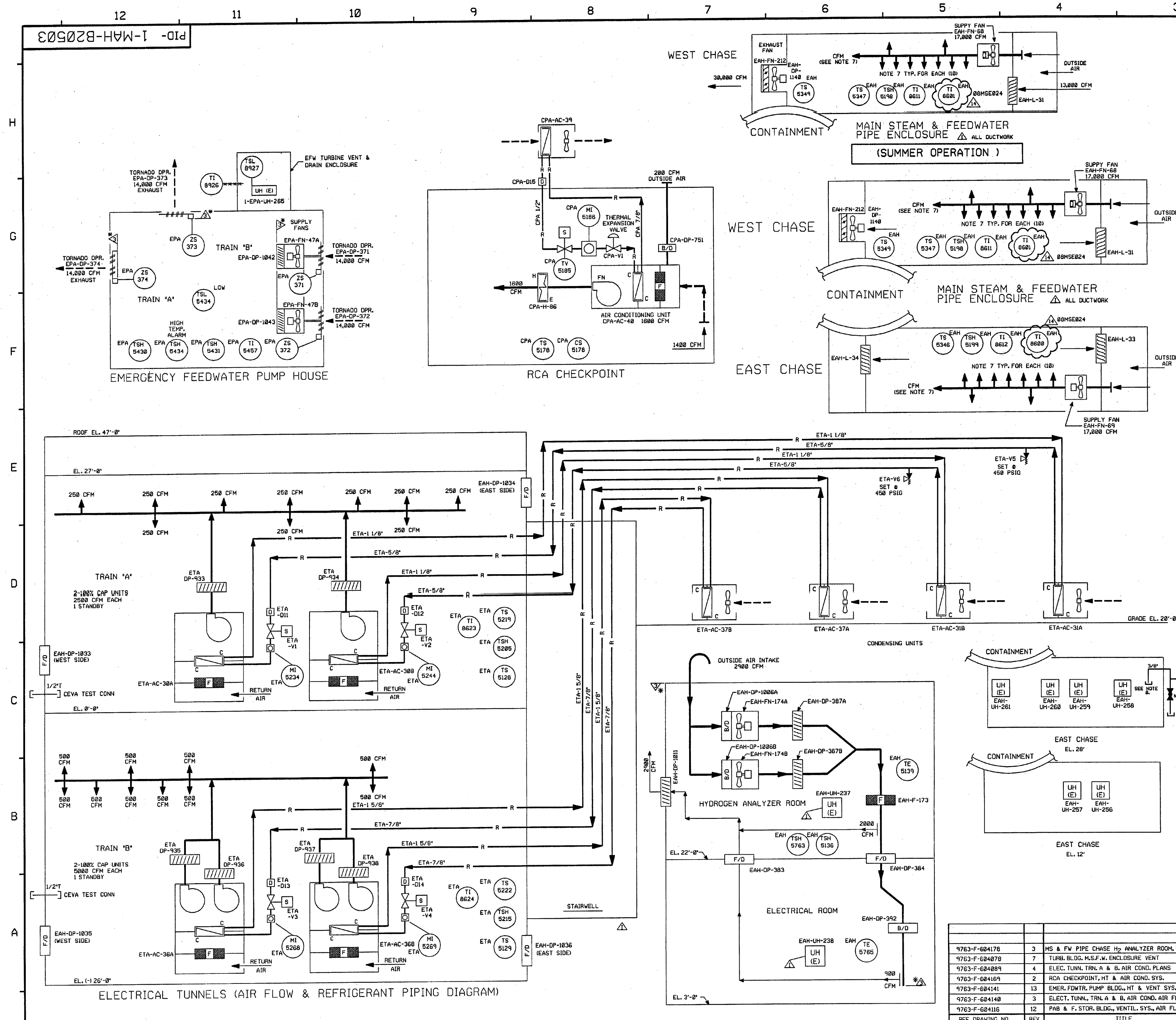
FPL ENERGY
Seabrook Station




**MISCELLANEOUS AIR HANDLING
CONTAINMENT & PURGES
DETAIL (COP, CAP)**

PID- 1-MAH-B20504

9763-F-604116	12	PAB & FUEL STOR BLDG, VENT SYS, AIR FLOW DIA-SHT 2
9763-F-604108	18	PAB VENT SYS, AIR FLOW DIA-SHT 1
9763-F-604131	12	CONT STR FUEL PL PURGE EXH SYS, AIR FLOW
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 20492, 20494 THRU 20502 & 20504 THRU 20508.
 2. SYSTEM PREFIXES:
 - ETA - ELECTRICAL TUNNEL AIR HANDLING
 - EAH - CONTAINMENT ENCLOSURE AIR HANDLING
 - CPA - CHECK POINT AIR
 - EPA - EMERGENCY FEEDWATER PUMP BUILDING AIR HANDLING.
 3. FOR SYMBOL LEGEND, SEE NOTE 3 ON DWG MAY 20494.
 4.  ALL DUCTWORK, UNLESS NOTED.
 5. DELETED
 6.  INDICATES REVISION LEVEL
 7. THE SYSTEM AIR FLOW RATE HAS BEEN ROUNDED TO 17,000 CFM. REGISTER HAS BEEN SET IN THE FULL OPEN POSITION WITH THE SPLITTER DAMPER SET SO THAT 2750 CFM EXITS THE REGISTERS NEAREST THE FANS.
 8.  TUBE, PIPE SPEC. 2508, USED FOR NITROGEN BOTTLE CHARGING OR MSIVS AND FWIVS

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

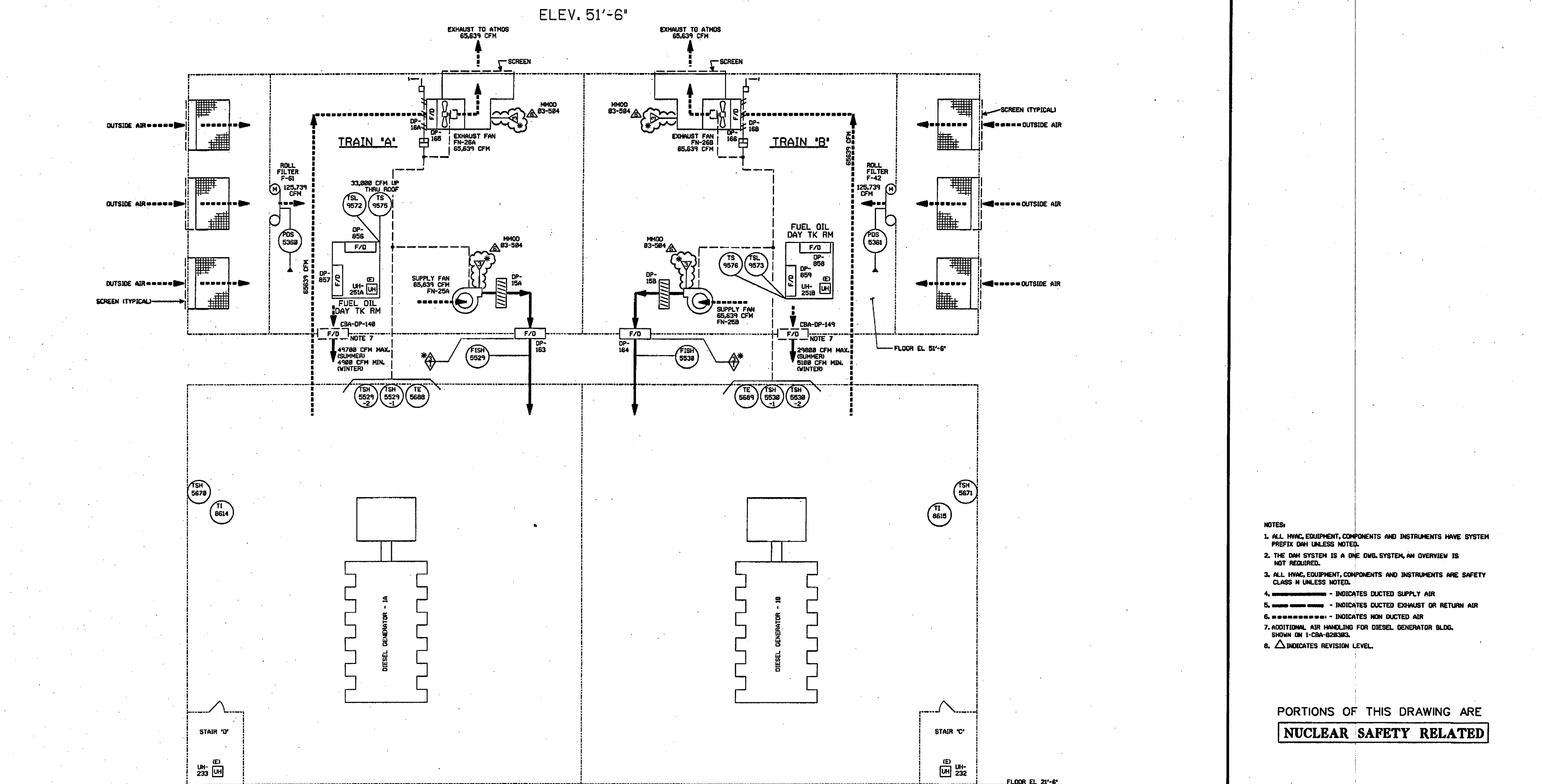
14	1/24/88	MRB	CFJ	JFA	INCOMP MSE 08-024 REV 00
13	9/10/83	JM	BCS	MAP	INCOMP MMOD 03-0505 DCN 00
12	3/14/82	JM	MPW	BCS	INCOMP 01-0319 REV 00
11	11/14/80	BCS	MPW	MXC	INCOMP DCR 00-0003 DCN-00
10	12/6/79	BCS	MPW	JCM	INCOMP DCR 98-13 DCN-00
9	6/2/78	DRL	BCS	DWS	INCOMP MMOD 97-521 DCN-00
8	3/13/87	BCL	DWS	CWE	INCOMP MMOD 94-570 CA0 AND DCR 93-56 CA-01
7	7/14/92	MRB	BCL	IW	INCOMP MMOD 90-611 CA0
6	8/16/91	MRB	JM	IW	INCOMP DCR 86-554, CA0
5	9/24/98	MRB	RMC	BCL	INCOMP MMOD 98-516 CA0
4	2/2/98	MRB	APL	IW	INCORPORATED DCR 89-48 CA06
3	4/9/87	DAP	LFC	MAC	REVISED REV 2 SIGNOFF DATE ERROR. ADDED TSL 5434 PER LOOP DIAG. INCR DCR 5-2 REVISED REF 2 DNG REV.
2	3/13/87	WDS	MRJ	MAC	ADDED NOTES 8 & 6, ADDED REFERENCE DRAWING, ADDED FLOW DIAGRAM DETAIL FOR H2 ANALYZER ROOM AND ELECTRICAL ROOM PER REVIEW OF USAC DWG 084178.
1	11/18/86	JDM	MPW	RRC	
0	6/12/86	JDM	DWS	WF	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CF	DESCRIPTION

FPL ENERGY

Seabrook Station

MISCELLANEOUS AIR HANDLING DETAILS

PID- 1-MAH-B20503



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

- NOTES:
1. ALL HVAC, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX DAN UNLESS NOTED.
 2. THE DAN SYSTEM IS A ONE DWG. SYSTEM, AN OVERVIEW IS NOT REQUIRED.
 3. ALL HVAC, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS W UNLESS NOTED.
 4. _____ - INDICATES DUCTED SUPPLY AIR
 5. _____ - INDICATES DUCTED EXHAUST OR RETURN AIR
 6. _____ - INDICATES NON DUCTED AIR
 7. ADDITIONAL AIR HANDLING FOR DIESEL GENERATOR BLDG. SHOWN ON 1-CBA-828303.
 8. △ INDICATES REVISION LEVEL.

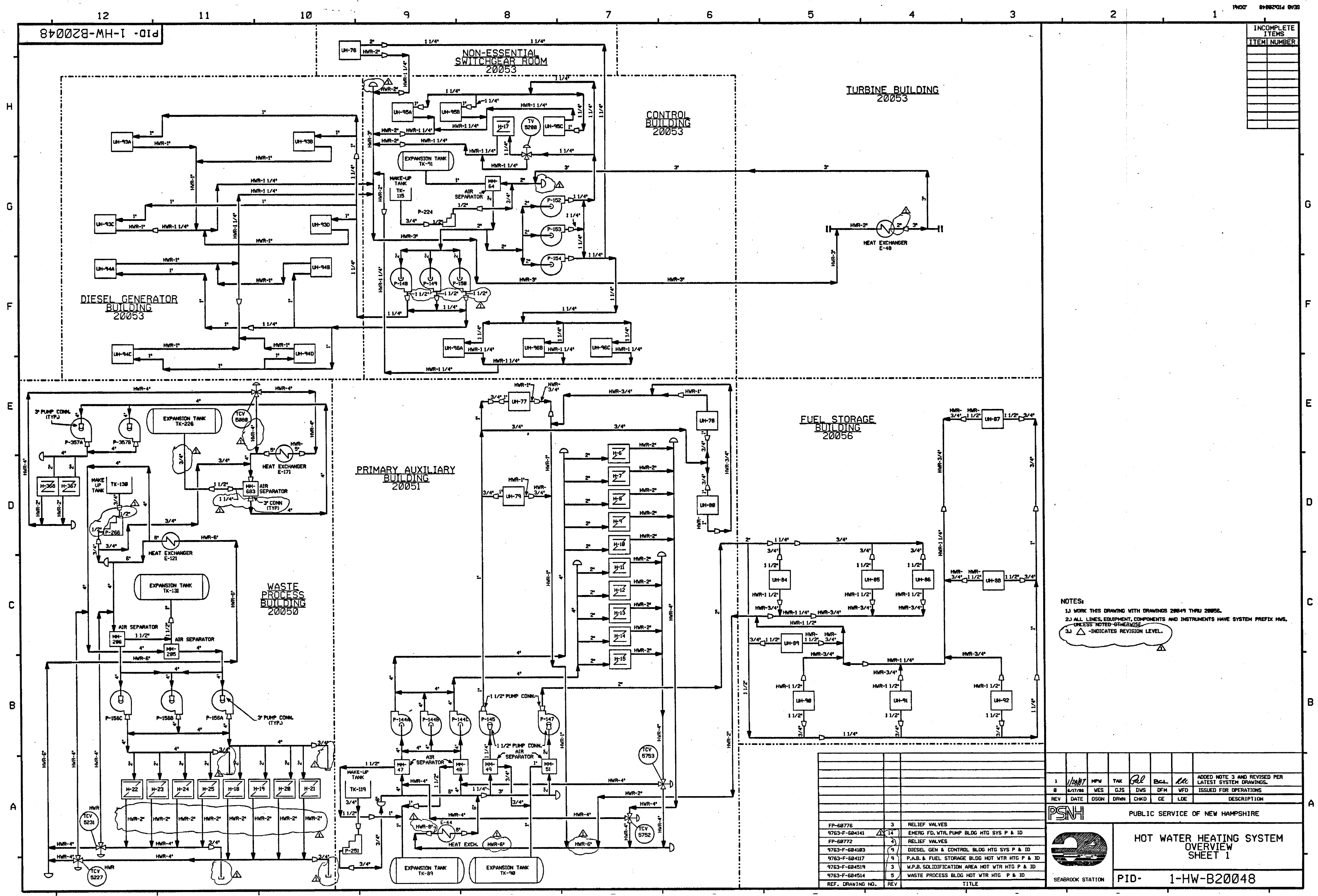
PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

6	1-16/88	J	BES	ZRS	INCOMP M40D 93-584 DCN 98
3	2/24/88	DWS	BOS	JMS	INCOMP DCR 9808039 DCN#98 & 28
4	6/12/95	BDL	DSW	DJM	INCOMP M40D 94-578 CA-8
3	12/1/94	MPL	DWS	JMS	INCOMP DCR 93-44 CA-8
2	12/15/89	MRS	PAL	IV	INCORPORATED 87-485 CA
1	2/24/87	WOB	PAL	MAC	ADDED P & I IN LDCN 2 NOTE, REVISE REF DWG REVISIONS INCOMP DCR 526
8	5-28-86	WES	JOM	MF	ISSUED FOR OPERATIONS & INCORP ECA'S 97/1126800 & 97/114498A
REV	DATE	DESIG	CHNG	REF	REVISION

DIESEL GENERATOR BUILDING
AIR HANDLING

PID-	1-DAH-B20624
------	--------------

9763-F-684891	12	CONTROL BLDG. VENTL. SYS., AIR FLOW DIAG.	
9763-F-684896	7	DIESEL GEN BLDG AIR FLOW DIAG	
REF. DRAWING NO	REV	TITLE	



INCOMPLETE ITEMS	
ITEM	NUMBER

NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20049 THRU 20056.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX HWS, UNLESS NOTED OTHERWISE.
3. Δ INDICATES REVISION LEVEL.

REV	DATE	BY	CHKD	DESCRIPTION
1	1/20/87	MPW	TAK	ADDED NOTE 3 AND REVISED PER LATEST SYSTEM DRAWINGS.
2	6/17/86	YES	GJS	ISSUED FOR OPERATIONS
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

PSNH

SEABROOK STATION

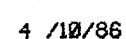
ADDED NOTE 3 AND REVISED PER LATEST SYSTEM DRAWINGS.

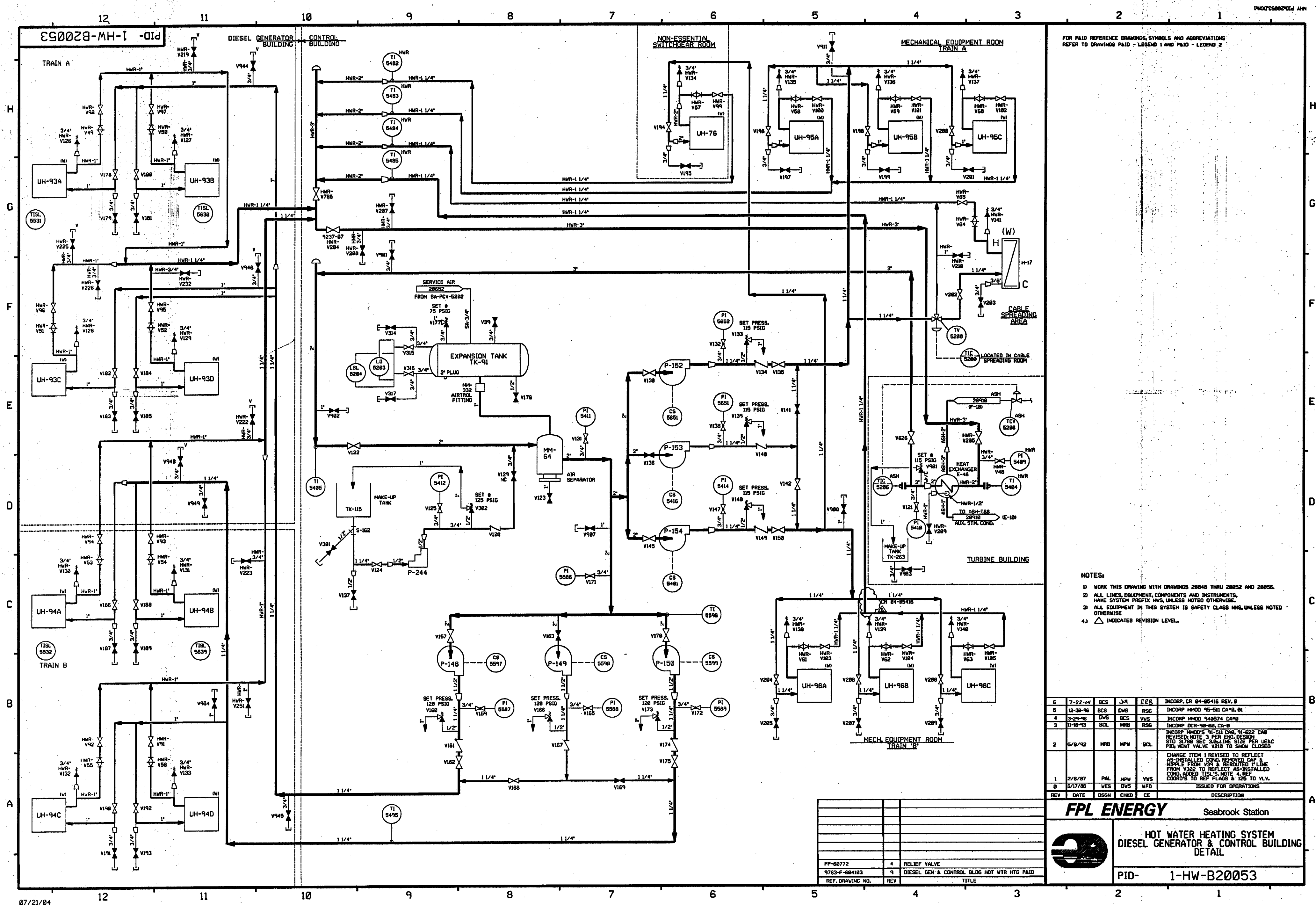
ISSUED FOR OPERATIONS

PUBLIC SERVICE OF NEW HAMPSHIRE

HOT WATER HEATING SYSTEM OVERVIEW SHEET 1

PID- 1-HW-B20048






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

- NOTES:
- 1) WORK THIS DRAWING WITH DRAWINGS 28048 THRU 28052 AND 28056.
 - 2) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS, HAVE SYSTEM PREFIX HWS, UNLESS NOTED OTHERWISE.
 - 3) ALL EQUIPMENT IN THIS SYSTEM IS SAFETY CLASS HWS, UNLESS NOTED OTHERWISE.
 - 4) Δ INDICATES REVISION LEVEL.

6	7-22-64	BCS	JM	228	INCCORP CR 84-05416 REV. 0
5	12-30-96	BCS	DMS	RSG	INCCORP HMD 95-511 CA#8, 01
4	3-24-96	DWS	BCS	VNS	INCCORP HMD 94-0574 CA#8
3	11-16-93	BCL	MRB	RSG	INCCORP DCR-90-60, CA-8
2	5/8/92	MRB	MPW	BCL	INCCORP HMD'S 91-511 CA#8, 91-622 CA#8 REVISED NOTE 3 PER ENG DESIGN STD 31780 SEC 3.8 LINE SIZE PER LEAC PID VENT VALVE V210 TO SHOW CLOSED
1	2/6/87	PHL	MPW	VNS	CHANGE ITEM 1 REVISED TO REFLECT AS-INSTALLED COND. REMOVED CAP & NIPPLE FROM V39 & REROUTED F-LINE FROM V32 TO REFLECT AS-INSTALLED COND. ADDED TISL'S NOTE 4, REF CDR'S TO REF PLAS & 125 TO VLV.
0	5/17/86	VES	DWS	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

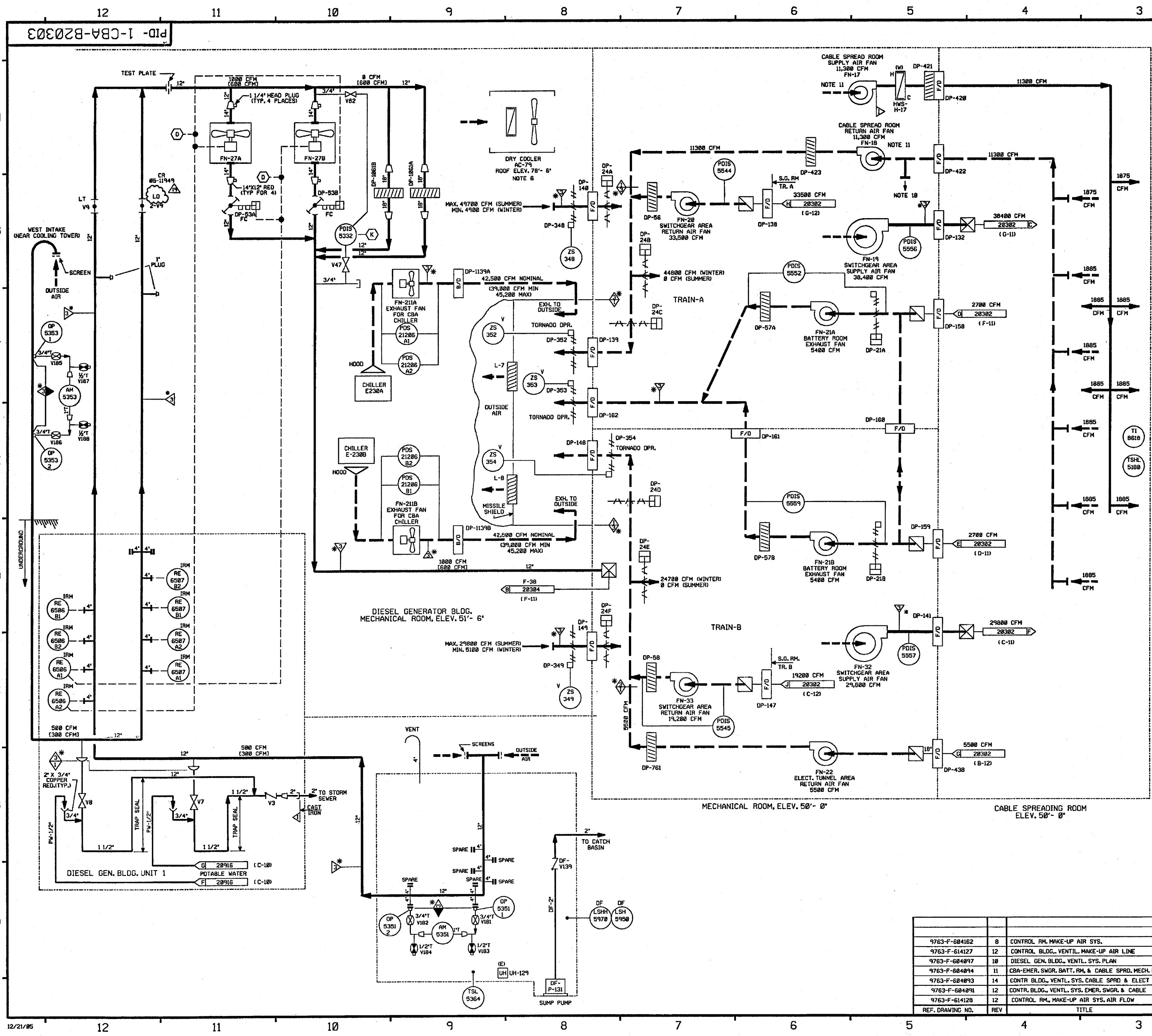
FPL ENERGY
Seabrook Station

**HOT WATER HEATING SYSTEM
DIESEL GENERATOR & CONTROL BUILDING
DETAIL**

PID- 1-HW-B20053

FP-60772	4	RELIEF VALVE
9763-F-684183	9	DIESEL GEN & CONTROL BLDG HOT WTR HTG PAID
REF. DRAWING NO.	REV	TITLE

07/21/04



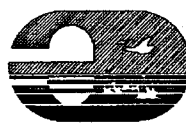
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

NOTES:

1. WORK THIS DRAWING WITH 20300, 20302 & 20304 THRU 20306.
2. ALL HVAC EQUIP. & INSTRUMENTS HAVE SYSTEM PREFIX CBA, UNLESS NOTED.
3. FOR SYMBOL LEGEND SEE DRAWING 20302.
4. INSTRUMENT REFERENCES:
 - (A) INTERLOCK WITH 2-CBA-FN-27A & 2-CBA-DP-53B
 - (B) INTERLOCK WITH 2-CBA-FN-27B & 2-CBA-DP-53A
 - (D) INTERLOCK WITH FILTER RECIRC. SIGNAL LOGIC DIA 503231
 - (K) TO DP-28 ON DWG 20304
5. DELETED
6. REFRIGERANT PIPING SHOWN ON DWG 20306.
7. DELETED
8. DELETED
9. Δ INDICATES REVISION LEVEL.
10. OPENING TO PROVIDE OVER-PRESSURE PROTECTION FOR CABLE SPREADING ROOM WITH FAN OFF. OPENING IS NORMALLY COVERED WITH FAN ON.
11. FAN IN PERMANENT STAND-BY STATUS.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
19	12/21/85	BCS	JM	APL	INCCORP. CR 85-11949 REV. 00
18	4/27/85	JM	BCS	DJM	INCCORP. DCR 85-089 DCM 00 & 01
17	12/06/82	JM	BCS	RCP	INCCORP. DCR 97-30 DCM 00 & 01
16	11/22/82	BCS	MPW	RCP	PARTIAL INCCORP. DCR 97-30 DCM 00
15	3-24-80	DWS	BCS	JMS	INCCORP. DCR 980839 DCM 00, 20 & 63
14	2/22/80	DWS	BCS	MPW	PARTIAL INCCORP. DCR 980839 DCM 63
13	2/11/80	DWS	BCS	MPW	PARTIAL INCCORP. DCR 980839 DCM 00 & 20
12	1/5/79	BCS	MPW	RWM	INCCORP. MM00 96-533 CA-0
11	9/8/78	BCS	DWS	GG	INCCORP. MM00 96-623 DCM 00
10	6/28/77	MPW	DWS	RCP	INCCORP. MM00 97-568 DCM 00
9	6/12/76	BCL	DWS	DJM	INCCORP. MM00 94-578 CA-0
8	10/2/72	MRB	BCL	SAW	INCCORP. DCR 89-14 CA0
7	4/2/72	MRB	BCL	JEV	INCCORP. MM00 91-515 CA02
6	8/31/91	GPM	JM	JAC	INCCORP. DCR 89-80 CA07
5	2/8/91	MRB	JM	DJM	INCCORP. ECA 85/223C
4	9/29/89	MRB	APL	JWS	INCCORP. DCR 86-789 CA21 ADDED SYS. PREFIXES PER NOTE 2 DELETED INSTR. TAG NO PER SIS VERIFICATION
3	4/5/89	GPM	PAL	MAC	INCCORP. DCR 89-7 ADDED INSTRUMENTATION & NOTE 9, CORRECTED LINE TO INSTR. 5301, RELOCATED 3/4" PLUG PER ERECTION ISO. ADDED P&ID LEGEND NOTE, UPDATED REF DWG REV'S, INCCORP. ECA 98/118373A, ADDED CONTINUATION DWG COORDINATES INCCORP. DCR 92-8 DELETED NOTE 2
2	2/24/87	JDM	PAL	MAC	INCCORP. ECA 99/1150208 ADDED POTABLE WATER CONT. & FLOW RATES FOR AC-4A & B
1	8/26/86	BCL	DNK	RRC	ADDED POTABLE WATER CONT. & FLOW RATES FOR AC-4A & B
0	3/4/86	DWS	WES	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY**

Seabrook Station

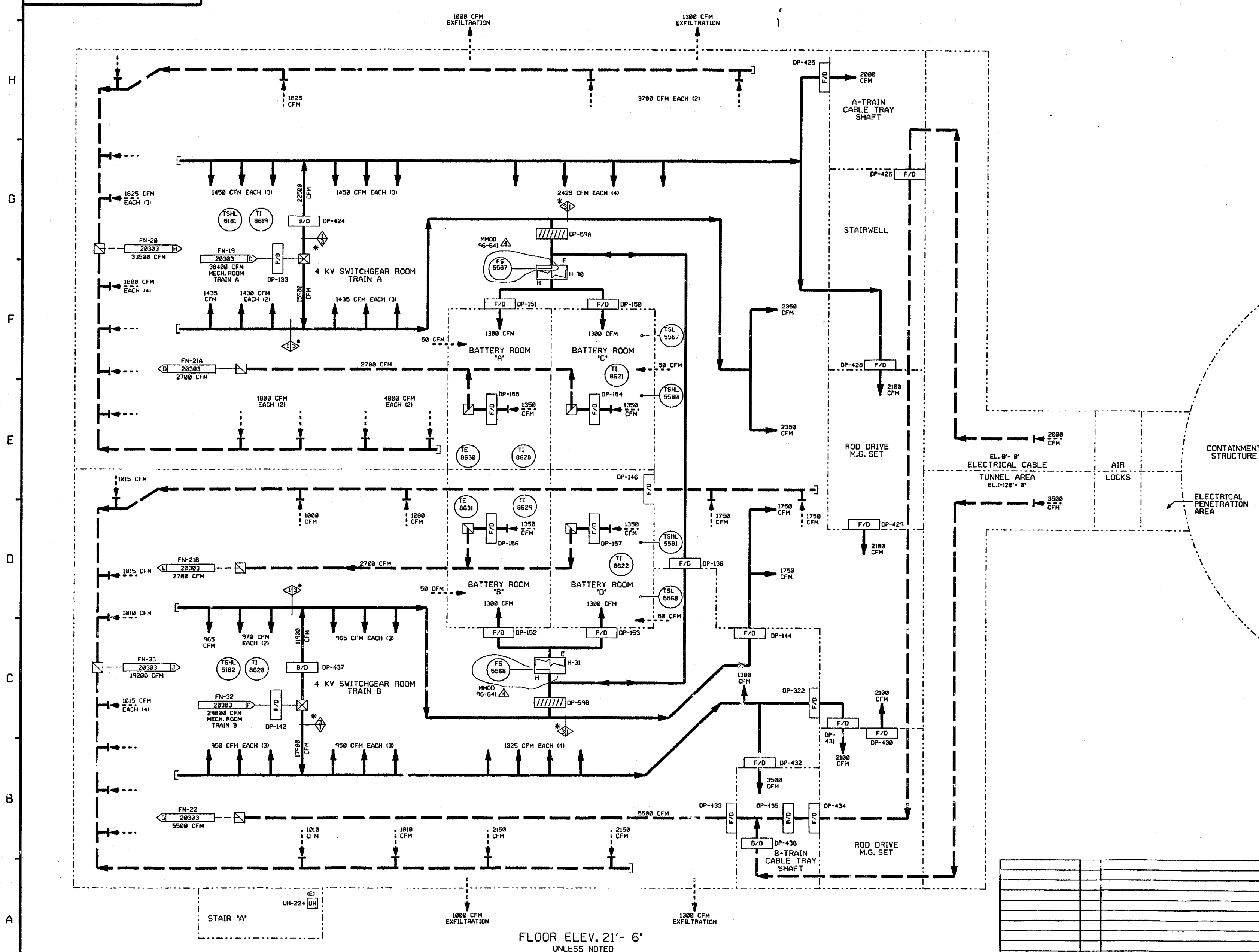
CONTROL BUILDING AIR HANDLING
DETAIL

PID-1-CBA-B20303

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
9763-F-604162	8				CONTROL RM. MAKE-UP AIR SYS.
9763-F-614127	12				CONTROL BLDG. VENTIL. MAKE-UP AIR LINE
9763-F-604097	10				DIESEL GEN. BLDG. VENTIL. SYS. PLAN
9763-F-604094	11				CBA-EMER. SWGR. BATT. RM. & CABLE SPRD. MECH. EQUIP
9763-F-604093	14				CONTR. BLDG. VENTIL. SYS. CABLE SPRD. & ELECT. TUNN
9763-F-604091	12				CONTR. BLDG. VENTIL. SYS. EMER. SWGR. & CABLE
9763-F-614128	12				CONTROL RM. MAKE-UP AIR SYS. AIR FLOW
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FIG-1-CBA-B20302

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 B20300 & B20301 THRU B20304.
2. ALL HVAC EQUIPMENT & INSTRUMENTS HAVE SYSTEM PREFIX CBA, UNLESS NOTED OTHERWISE.
3. SYMBOL LEGEND

- XXX CFM NORMAL AIR FLOW
- (XXX CFM) EMERGENCY AIR FLOW
- //--- PARALLEL MULTIBLADE DAMPER W/LIMIT SWITCH
- A---A--- OPPOSED MULTIBLADE DAMPER W/LIMIT SWITCH
- ||||| BACKDRAFT DAMPER
- X/D DAMPER F-FIRE B-BALANCING
- ||||| FIXED LOUVER
- C COOLING COIL
- FILTER F-ROUGHING, PRE-FILTER A-HEPA C-CHARCOAL
- E ELECTRIC HEATING COIL
- H HEATING COIL W-WATER S-STEAM
- UH UNIT HEATER W-WATER S-STEAM E-ELECTRIC
- HU HUMIDIFIER W-WATER
- DUCTED SUPPLY
- DUCTED RETURN
- NON-DUCTED SUPPLY OR RETURN

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

4	1/8/99	BCS	—	DWS	JPS	WMM	INCORP. MMOD 96-641 DCN-88
3	6/12/98	BCL	—	DWS	MPW	DJM	INCORP. MMOD 94-578 CA-2
2	2-5-98	MRB	LFC	APL	WCL	IV	INCORP. DCR 85-572CAB2, INCORP. DCR 528
1	2-24-87	WDS	DWS	PAL	BCL	MAC	REVISED REF DWG REVISIONS
0	3-4-86	DWS	GJS	WES	JKV	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

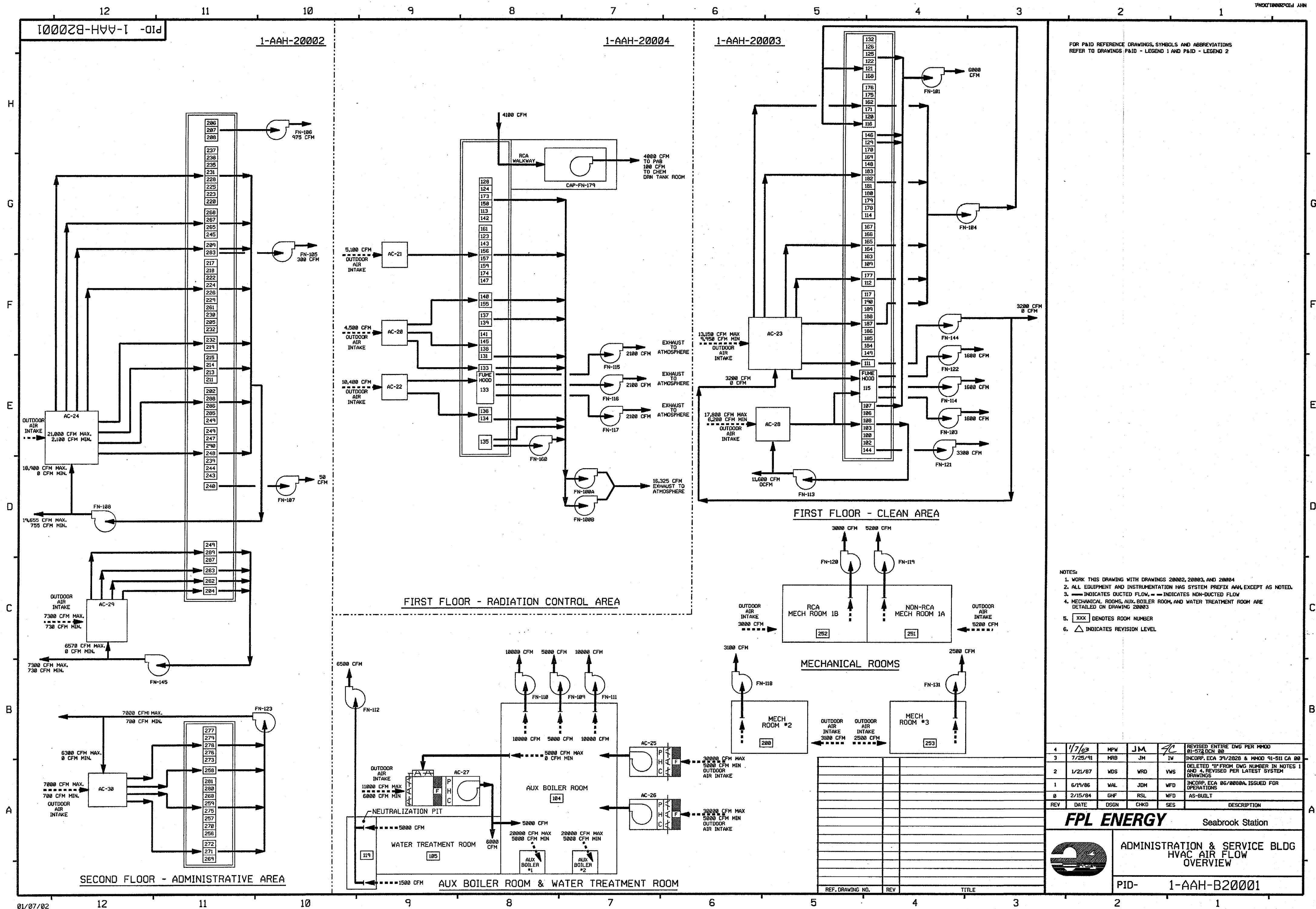
North Atlantic Energy Service Corporation

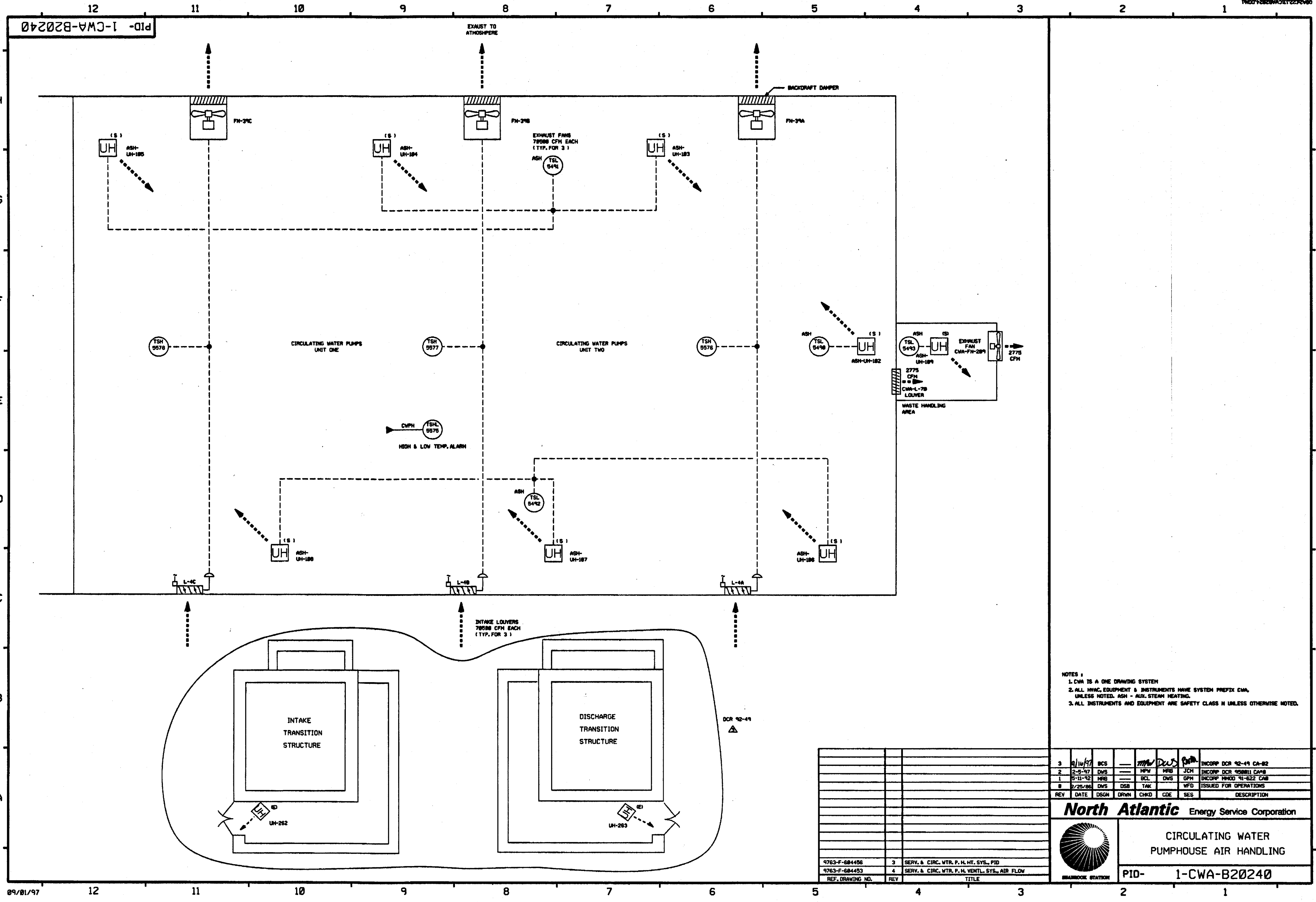


CONTROL BUILDING AIR HANDLING
EMERGENCY SWITCHGEAR AREA
DETAIL

PID- 1-CBA-B20302

9753-F-604895	13	CBA EMERG. SWGR. & BATT. ROOMS PLAN
9763-F-604891	12	CONTROL BLDG. VENT. SYS. AIR FLOW DIAG.
REF. DRAWING NO.	REV	TITLE





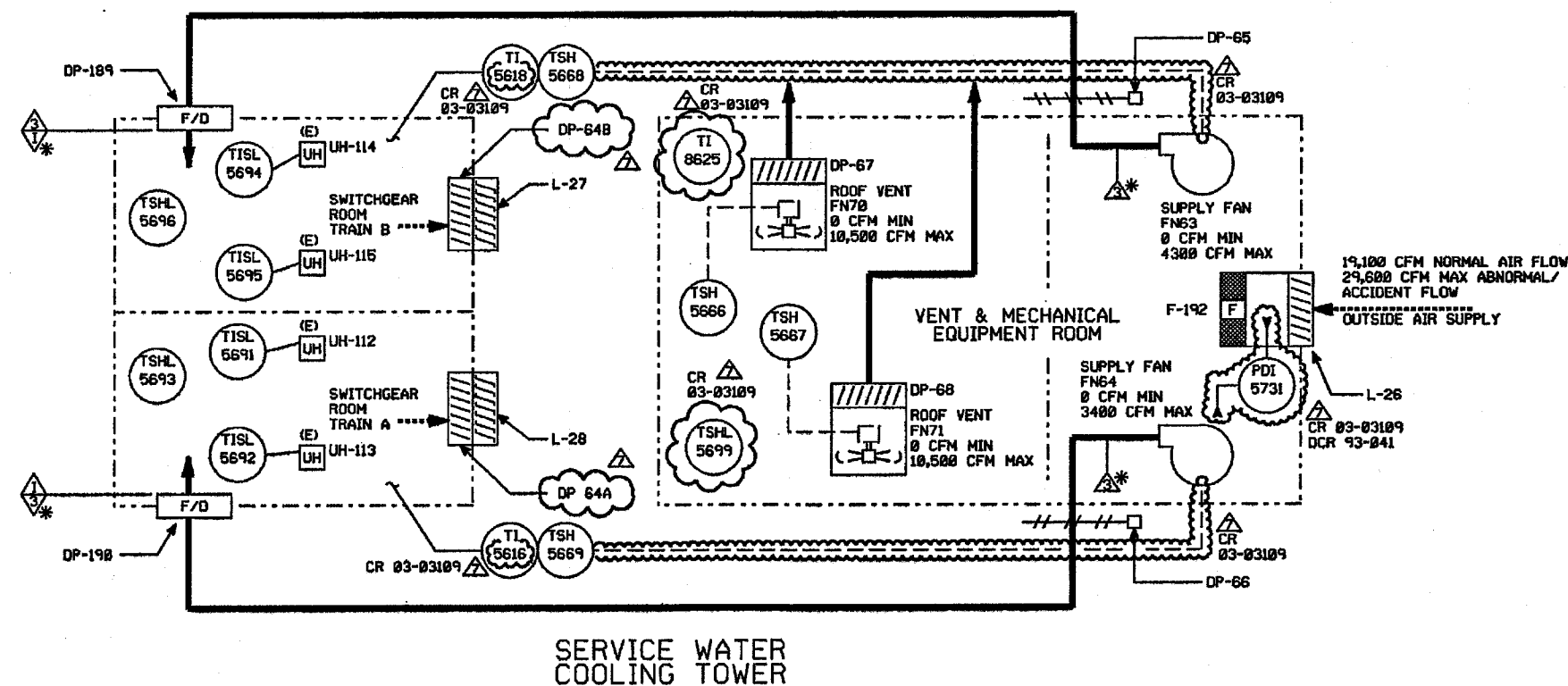
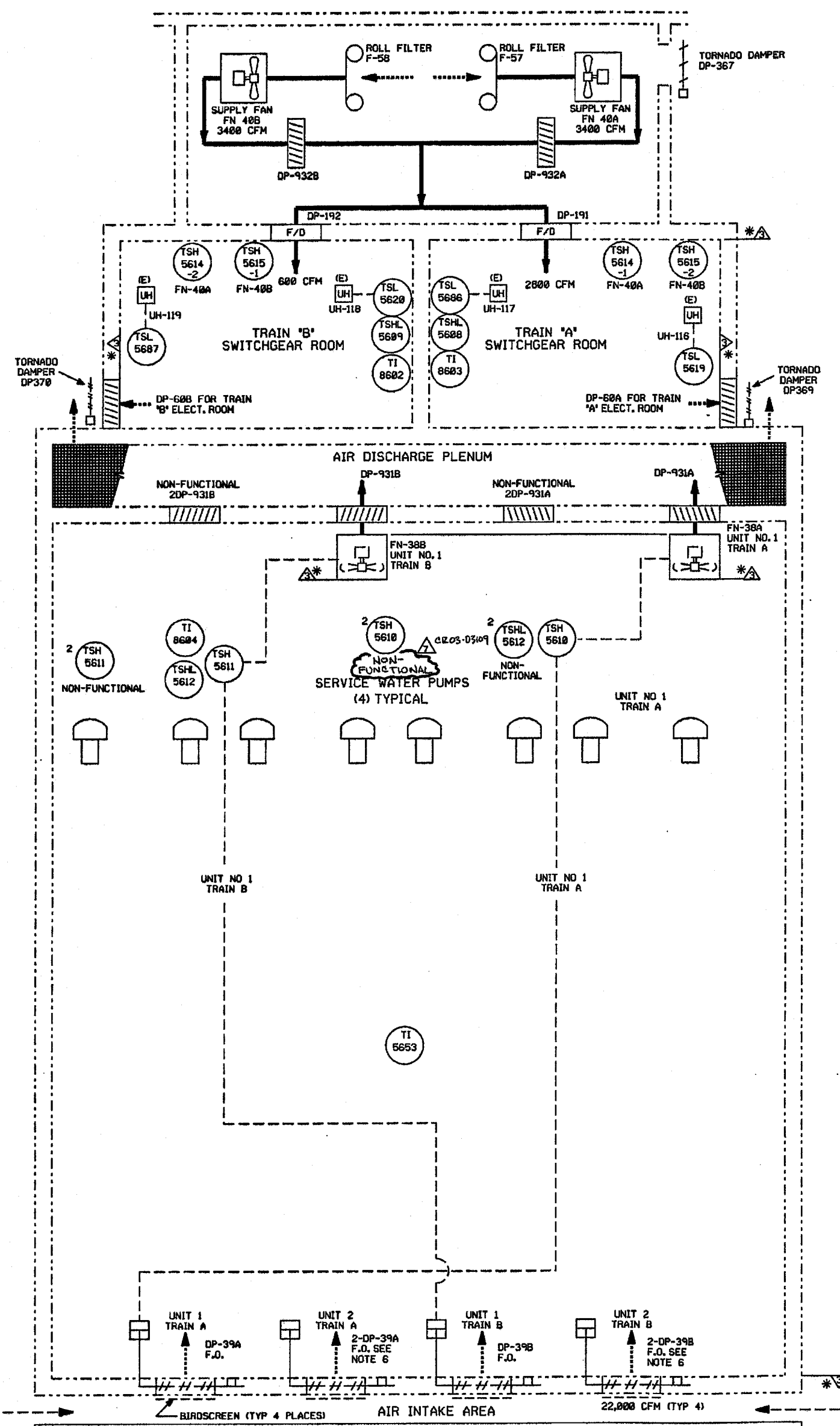
NOTES:
1. CWA IS A ONE DRAWING SYSTEM.
2. ALL HVAC EQUIPMENT & INSTRUMENTS HAVE SYSTEM PREFIX CWA, UNLESS NOTED. ASH - AUX. STEAM HEATING.
3. ALL INSTRUMENTS AND EQUIPMENT ARE SAFETY CLASS II UNLESS OTHERWISE NOTED.

3	9/16/97	BCS	MPW	NRB	JCH	INCCORP DCR 92-49 CA-82
2	2-5-97	DWS	BCL	DWS	GPH	INCCORP DCR 92-49 CA-82
1	5-11-92	NRB	BCL	DWS	GPH	INCCORP DCR 92-49 CA-82
0	2/25/96	DWS	DSB	TAK	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CDE	SES
DESCRIPTION						
North Atlantic Energy Service Corporation						
CIRCULATING WATER PUMPHOUSE AIR HANDLING						
PID- 1-CWA-B20240						

9763-F-684456	3	SERV. & CIRC. WTR. P. H. MT. SYS., PID
9763-F-684453	4	SERV. & CIRC. WTR. P. H. VENTL. SYS., AIR FLOW
REF. DRAWING NO.	REV	TITLE

PID-1-SWA-B20372

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



- NOTES:
1. ALL EQUIPMENT, COMPONENTS, & INSTRUMENTS HAVE SYSTEM PREFIX SWA UNLESS OTHERWISE NOTED.
 2. THE SWA SYSTEM IS A ONE (1) DRAWING SYSTEM, AN OVERVIEW IS NOT REQUIRED.
 3. ALL DUCTWORK, UNLESS NOTED.
 4. ALL EQUIPMENT, COMPONENTS, & INSTRUMENTS ARE SAFETY CLASS MMS UNLESS OTHERWISE NOTED.
 5. Δ INDICATES REVISION LEVEL.
 6. THIS UNIT 2 EQUIPMENT IS NEEDED FOR UNIT 1 OPERATION.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

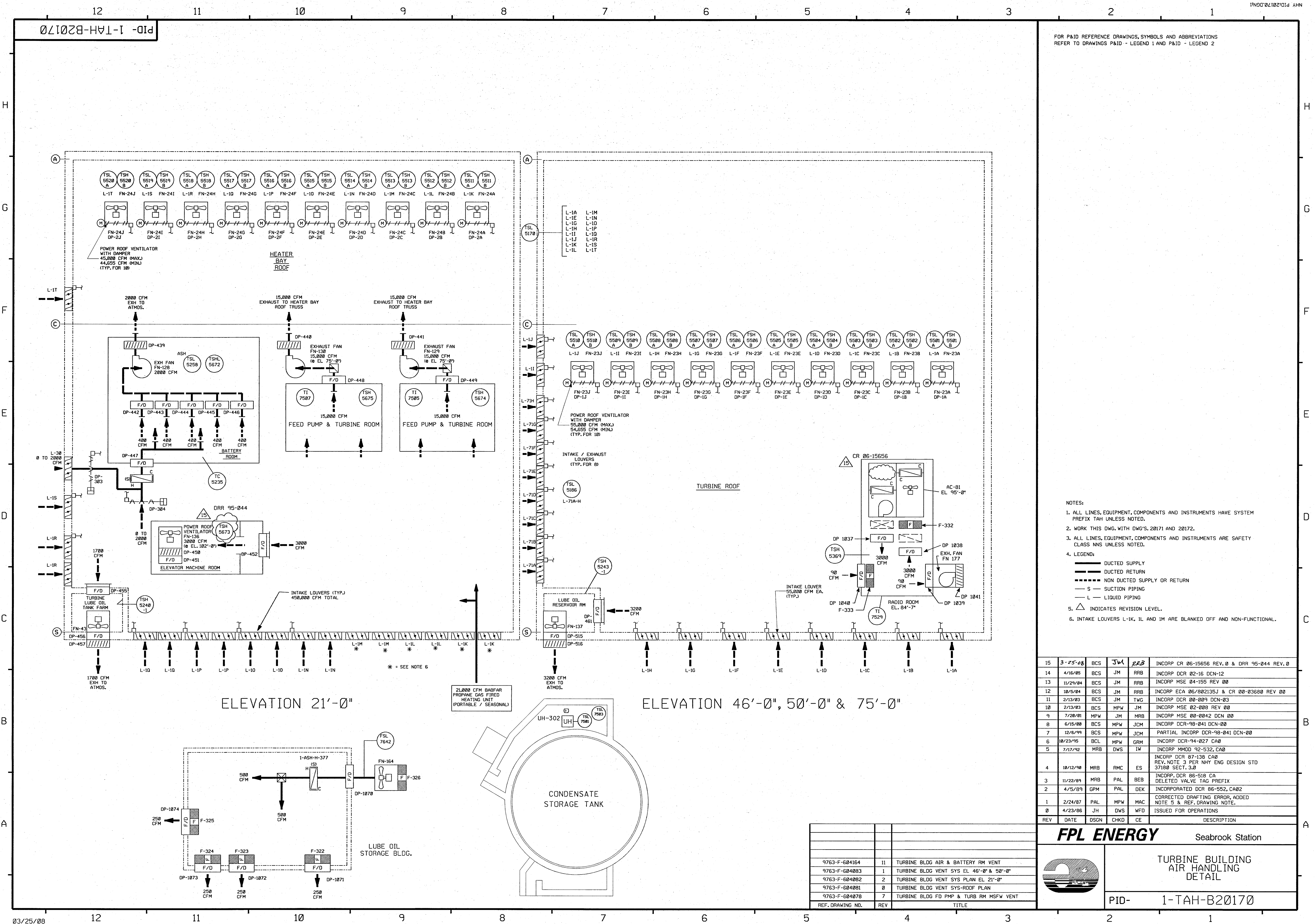
7	5/14/93	JM	BCL	MPW	VMS	INCORP. CR 83-83109 REV. 00 RE-INCORP. DCR 93-841 CA 01 & REVISED DAMPER ID'S
6	6/14/95	BCL	MPW	VMS	INCORP. MMOD 94-578 CA0	
5	12/9/94	BCL	MPW	VMS	INCORP. MMOD 94-501 CA0	
4	3/31/93	MRB	BCL	JCM	INCORP. MMOD 92-553 CA0	
3	9/24/90	MRB	JM	BCL	INCORP. MMOD 90-516 CA 0 REVISED NOTE 4 PER ENGINEERING DESIGN STANDARD 37188 SECT. 3.0 ADDED LEGEND NOTE	
2	8/2/88	MPW	PAL	MAC	REVERSED TI NO'S PER M-506844 REV 4 & INCORP. ECA 95/188182A	
1	2/24/87	WDS	PAL	MAC	INCORP. DCR 828, ADDED TI-5653 PER M-506844	
0	4-24-86	JS	JDM	WFD	ISSUED FOR OPERATIONS	
REV	DATE	DSGN	CHKD	CE	DESCRIPTION	



FPL ENERGY Seabrook Station
AIR HANDLING SYSTEM FOR
SERVICE WATER PUMPHOUSE
AND
SERVICE WATER COOLING TOWER

PID- 1-SWA-B20372

REF. DRAWING NO.	REV	TITLE
9763-F-604139	13	COOLING TOWER VENTILATION & DRAINAGE
9763-F-604453	5	SERV & CIRC. WATER PUMPHOUSE HVAC DIAG.



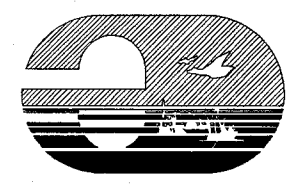
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX TAG UNLESS NOTED.
 2. WORK THIS DWG. WITH DWG'S 20171 AND 20172.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS UNLESS NOTED.
 4. LEGEND:
 - DUCTED SUPPLY
 - DUCTED RETURN
 - NON DUCTED SUPPLY OR RETURN
 - S - SUCTION PIPING
 - L - LIQUID PIPING
 - INDICATES REVISION LEVEL.
 - INTAKE LOUVERS L-1K, 1L AND 1M ARE BLANKED OFF AND NON-FUNCTIONAL.

15	3-25-08	BCS	JWL	REB	INCORP CR 06-15656 REV. 0 & DRR 95-044 REV. 0
14	4/16/05	BCS	JM	RRB	INCORP DCR 02-16 DCN-12
13	11/29/04	BCS	JM	RRB	INCORP MSE 04-155 REV 00
12	10/5/04	BCS	JM	RRB	INCORP ECA 05/002135J & CR 00-03600 REV 00
11	2/13/03	BCS	JM	TWG	INCORP DCR 00-009 DCN-03
10	2/13/03	BCS	MPW	JM	INCORP MSE 02-008 REV 00
9	7/28/01	MPW	JM	MRB	INCORP MSE 00-0042 DCN 00
8	6/15/00	BCS	MPW	JCM	INCORP DCR-98-041 DCN-00
7	12/6/99	BCS	MPW	JCM	PARTIAL INCORP DCR-98-041 DCN-00
6	10/23/95	BCL	MPW	GRM	INCORP DCR-94-027 CA0
5	7/17/92	MRB	DWS	IW	INCORP MMOD 92-532, CA0
4	10/12/90	MRB	RMC	ES	INCORP DCR 87-130 CA0 REV. NOTE 3 PER NHY ENG DESIGN STD 37180 SECT. 3.0
3	11/22/89	MRB	PAL	BEB	INCORP DCR 86-518 CA DELETED VALVE TAG PREFIX
2	4/5/89	GPM	PAL	DEK	INCORPORATED DCR 86-552, CA02
1	2/24/87	PAL	MPW	MAC	CORRECTED DRAFTING ERROR, ADDED NOTE 5 & REF. DRAWING NOTE.
0	4/23/86	JH	DWS	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

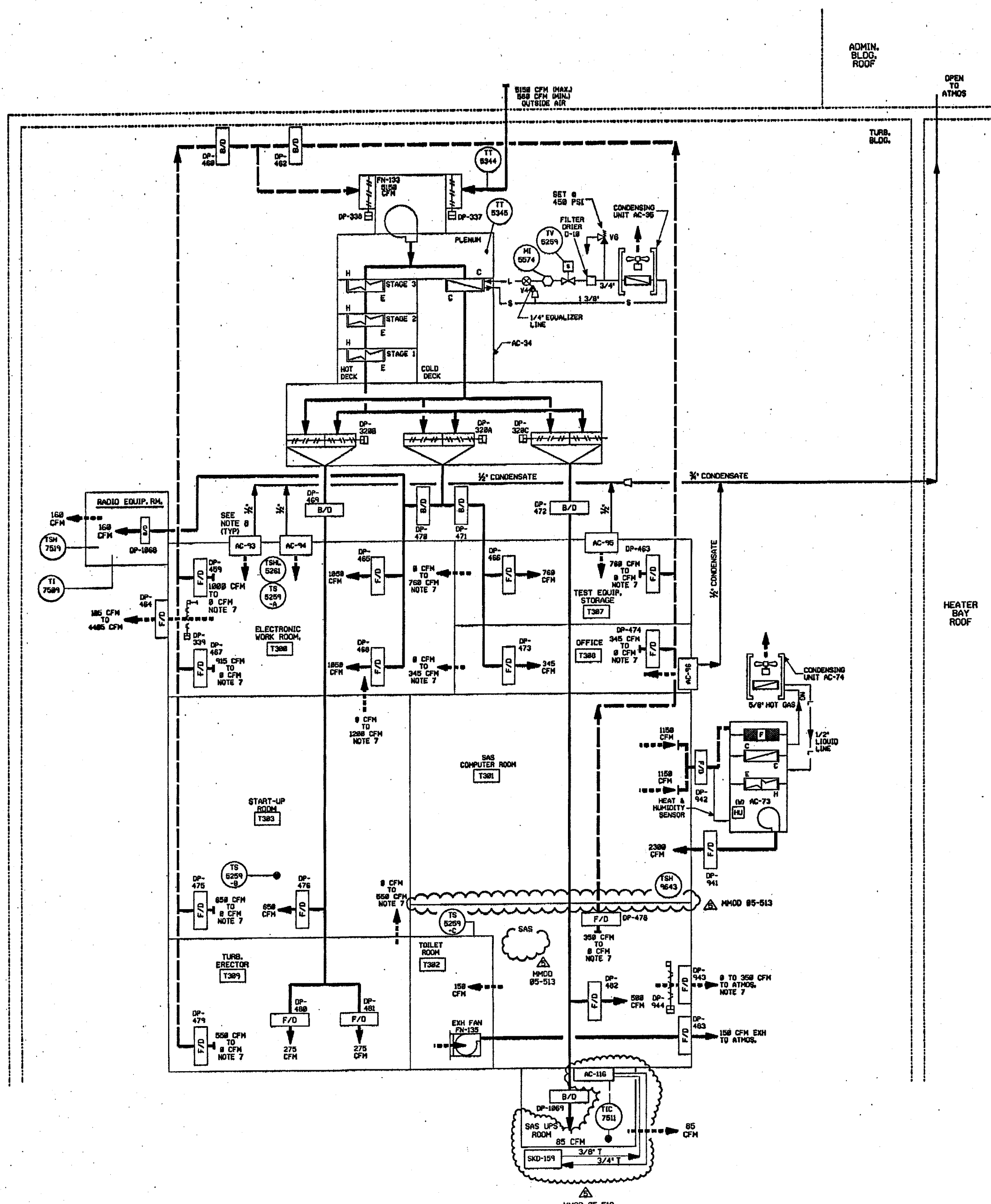
Seabrook Station





TURBINE BUILDING
AIR HANDLING
DETAIL

PID- 1-TAH-B20170

REF. DRAWING NO.	REV	TITLE
9763-F-604164	11	TURBINE BLDG AIR & BATTERY RM VENT
9763-F-604083	1	TURBINE BLDG VENT SYS EL 46'-0" & 50'-0"
9763-F-604082	2	TURBINE BLDG VENT SYS PLAN EL 21'-0"
9763-F-604081	0	TURBINE BLDG VENT SYS-ROOF PLAN
9763-F-604078	7	TURBINE BLDG FD PMP & TURB RM MSFW VENT



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 TAP UNLESS NOTED OTHERWISE.
 2. WORK THIS DWG. WITH DWG. 28178 AND 28171
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS MMS UNLESS NOTED OTHERWISE.
 4. LEGEND:
 - DUCTED SUPPLY
 - DUCTED RETURN
 - NON DUCTED SUPPLY OR RETURN
 - S — SUCTION PIPING
 - L — LIQUID PIPING
 5.  INDICATES REVISION LEVEL.
 6.  INDICATES ROOM NUMBER.
 7. FLOWS INCREASE OR DECREASE WITHIN THE LIMITS NOTED IN PROPORTION TO THE AMOUNT OF OUTSIDE AIR PROVIDED THROUGH MODULATING DAMPER 1-TAP-DP-337.
 8. A/C UNITS NO. 93,94,95 & 96 ARE BACK UP UNITS TO MAIN A/C UNIT NO. 34 AND NORMALLY DO NOT OPERATE. ROOM OCCUPANTS MAY ADJUST AIR FLOW AS REQUIRED.

5	12/13/05	JM	Bee	HC	INCOMP MMOD 95-513 DCM 00
4	2/5/04	BMS	JM	TWG	INCOMP DCR 80009 REV.83
3	5/7/99	DCS	BMS	HWH	INCOMP MMOD 97061 DCM 00
2	12/19/95	MPW	HWH	CYL	INCOMP MMOD 95-556, C08
1	5/26/93	MRB	BCL	MVH	INCOMP DCR 92-26, C08
#	7/14/92	MPW	MRB	BCL	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CNO	DESCRIPTION

FPL ENERGY

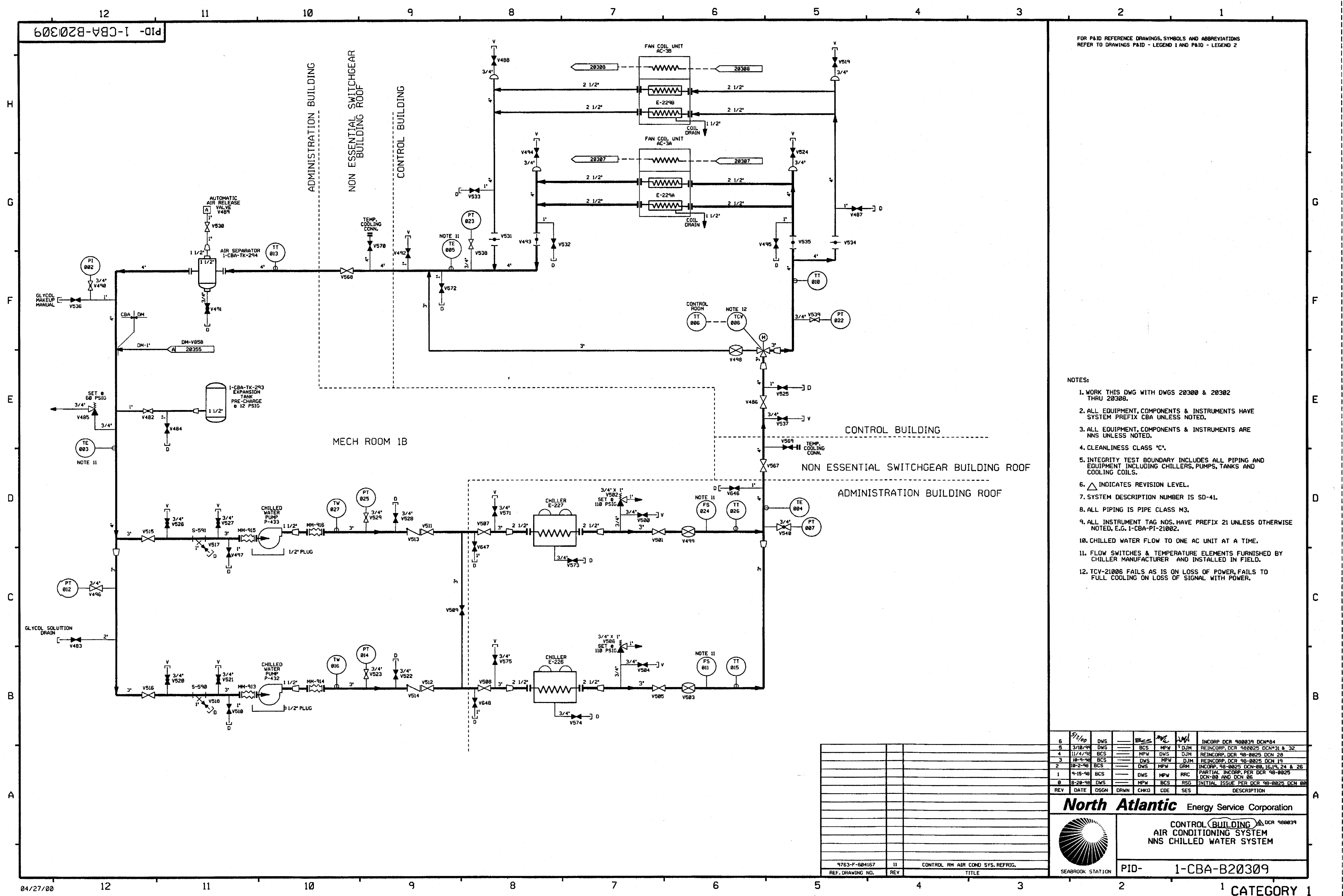
Seabrook Station



**TURBINE BUILDING
AIR HANDLING
DETAIL**

PID- 1-TAH-B20172

9763-F-684164	11	TURBINE BLOC AIR & BATTERY RM VENT
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 DWG WITH DWGS 20300 & 20302 THRU 20308.
 2. ALL EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX CBA UNLESS NOTED.
 3. ALL EQUIPMENT, COMPONENTS & INSTRUMENTS ARE NNS UNLESS NOTED.
 4. CLEANLINESS CLASS 'C'.
 5. INTEGRITY TEST BOUNDARY INCLUDES ALL PIPING AND EQUIPMENT INCLUDING CHILLERS, PUMPS, TANKS AND COOLING COILS.
 6. Δ INDICATES REVISION LEVEL.
 7. SYSTEM DESCRIPTION NUMBER IS SD-41.
 8. ALL PIPING IS PIPE CLASS M3.
 9. ALL INSTRUMENT TAG NOS. HAVE PREFIX 21 UNLESS OTHERWISE NOTED, E.G. 1-CBA-P1-21002.
 10. CHILLED WATER FLOW TO ONE AC UNIT AT A TIME.
 11. FLOW SWITCHES & TEMPERATURE ELEMENTS FURNISHED BY CHILLER MANUFACTURER AND INSTALLED IN FIELD.
 12. TCV-21006 FAILS AS IS ON LOSS OF POWER, FAILS TO FULL COOLING ON LOSS OF SIGNAL WITH POWER.

6	5/1/00	DWS	BCS	MPW	DJM	INCORP DCR 980039 DCN#24
5	3/10/98	DWS	BCS	MPW	DJM	REINFORP DCR 980025 DCN#31 & 32
4	11/4/98	BCS	MPW	DWS	DJM	REINFORP DCR 98-0025 DCN 28
3	10-4-98	BCS	DWS	MPW	DJM	REINFORP DCR 98-0025 DCN 19
2	10-2-98	BCS	DWS	MPW	DJM	INCORP 98-0025 DCN-00, 16, 19, 24 & 26
1	9-15-98	BCS	DWS	MPW	RRC	PARTIAL INCORP. PER DCR 98-0025 DCN-00 AND DCN 06
0	8-29-98	DWS	MPW	BCS	RSG	INITIAL ISSUE PER DCR 98-0025 DCN 00
REV	DATE	DSGN	DRWN	CHKD	CDE	SES

North Atlantic Energy Service Corporation

SEABROOK STATION

CONTROL BUILDING
AIR CONDITIONING SYSTEM
NNS CHILLED WATER SYSTEM

DCR 980039

PID-1-CBA-B20309

9763-F-504167	II	CONTROL RM AIR COND SYS, REFRIG.
REF. DRAWING NO.	REV	TITLE