

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

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%

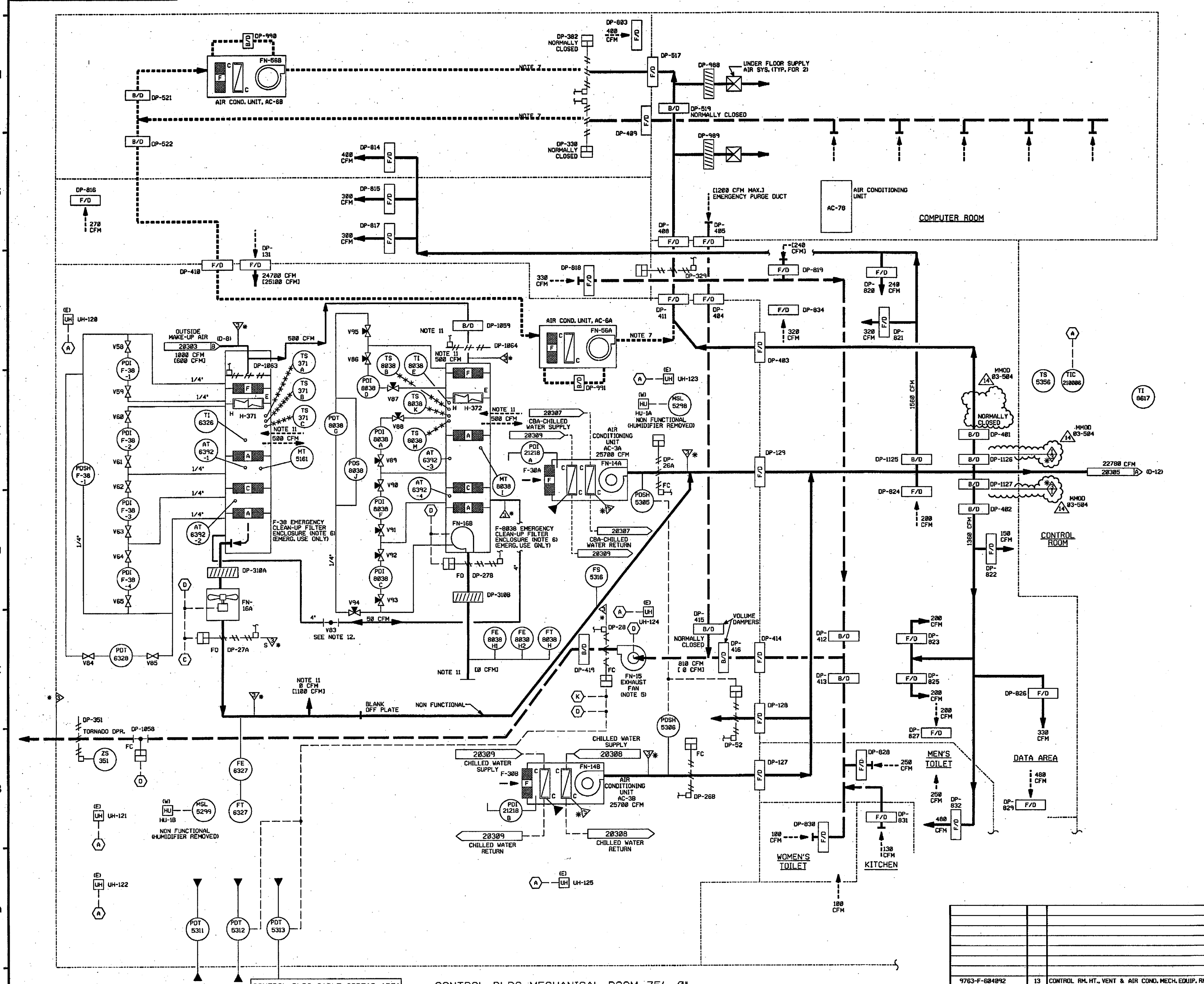
PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

14	9-2-06	JM	BCS	223	INCORP MMD 83-504 DCN 00
13	5/2/00	DWS	BCS	JMS	INCORP DCR 900039 DCN#04
12	3/24/00	DWS	BCS	JMS	INCORP DCR 900039 DCN#00
11	2/15/00	DWS	BCS	JMS	PARTIAL INCORP DCR 900039 DCN#00
10	8/10/99	DWS	BCS	MKC	INCORP DCR 900047 DCN#00 & 03, DCR 900044 DCN#00 & REINCORP DCR 900037 DCN#00
9	10/2/98	MPW	BCS	GPM	INCORP DCR 90-25 DCN 00
8	7/03/98	JWB	JLM	JMS	INCORP DCR 98-37 DCN 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





3  
DCR  
980004

**North Atlantic** Energy Service Corporation



PID- 1-CBA-B20305


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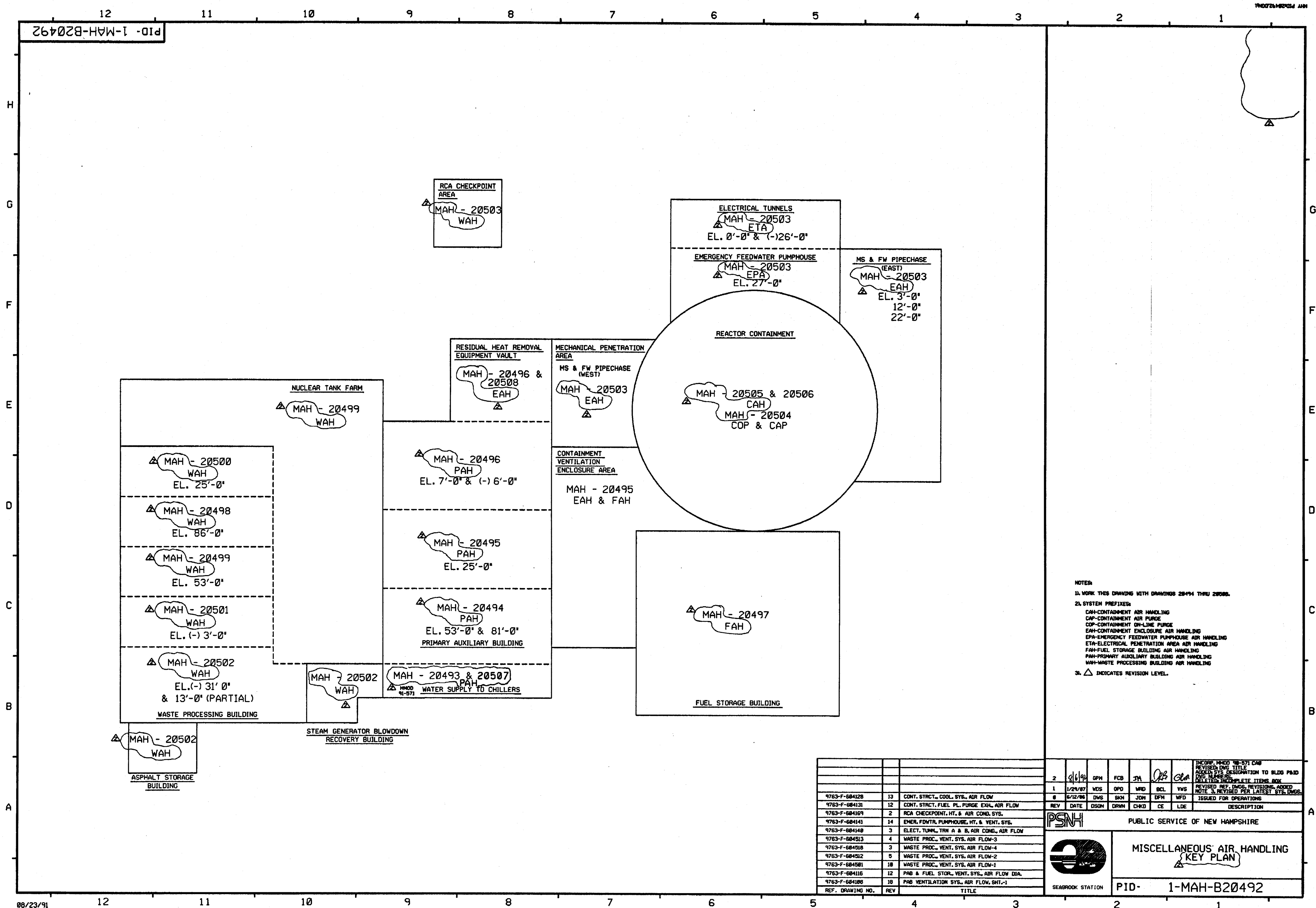
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FILTER TAG NO.	CLEAN FLOW CFM	DIRTY FLOW CFM	ANSI DIRTY FLOW CFM	SURVEILLANCE TEST FLOW CFM	SURVEILLANCE TEST FLOW CFM +10%	SURVEILLANCE TEST FLOW CFM -10%
FAH-F-41	17700	16800	15200	16450	18095	14885
FAH-F-74	17700	16800	15200	16450	18095	14885

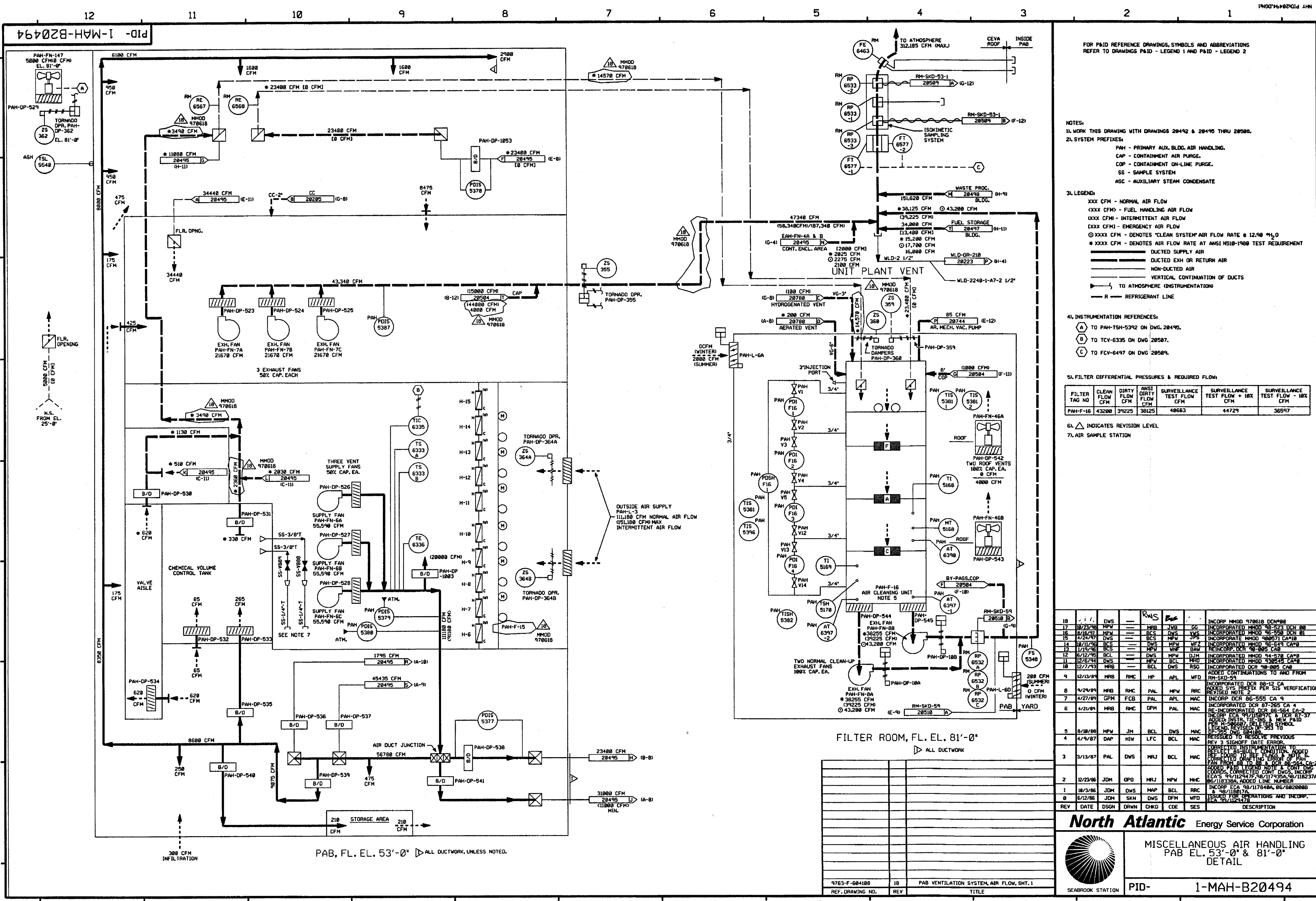
Δ INDICATES REVISION LEVEL

9	2/1/79	BFS	---	<del>ML</del>	<del>MB</del>	DWS	GM	INCRP DCR 91-017 DCH-9
8	5/16/79	MB	---	---	---	DWS	GM	INCRP MMKD 91-522 CAB
7	8/16/79	GMH	FCB	JM	MB	DWS	IV	INCRP DCR 86-554 CAB
6	12/17/79	MB	RMC	JM	DWS	IV	INCRP DCR 87-373 CAB	
5	4/11/90	HP	FCB	MRB	APL	DJM	INCRP DCR 86-548 CAB	
4	4/27/91	GMH	PMC	MRB	SCL	MAC	---	INCRP DCR 86-555 CA 9
3	2/24/87	PAL	RMC	MPW	---	MAC	---	ADDED CA 98/117840A, CLW, REF. DWS, NOTE 6, PPS CANAL AND CORRECTED DRAFTING ERRORS PER UELC PAID INCRP DCR-526
2	12/23/86	JDM	OPD	---	---	MAC	---	ADDED PAID LEGEND NOTE, COMNT. REF. DWS, INCRP CA 99/112947F
1	9/2/86	JDM	OPD	MAL	SCL	RRC	---	INCRP CA 98/117840A
0	6/12/86	DWS	DSW	JDM	DFM	WFD	---	ISSUED FOR OPERATIONS INCRP. CA 99/112947F
REV	DATE	DESIGNED	DRAWN	CHKD	CHKD	SE5	DESCRIPTION	

<b>North Atlantic</b> Energy Service Corporation	
 SEABROOK STATION	MISCELLANEOUS AIR HANDLING FUEL STORAGE BUILDING DETAIL
	PID- 1-MAH-B20497







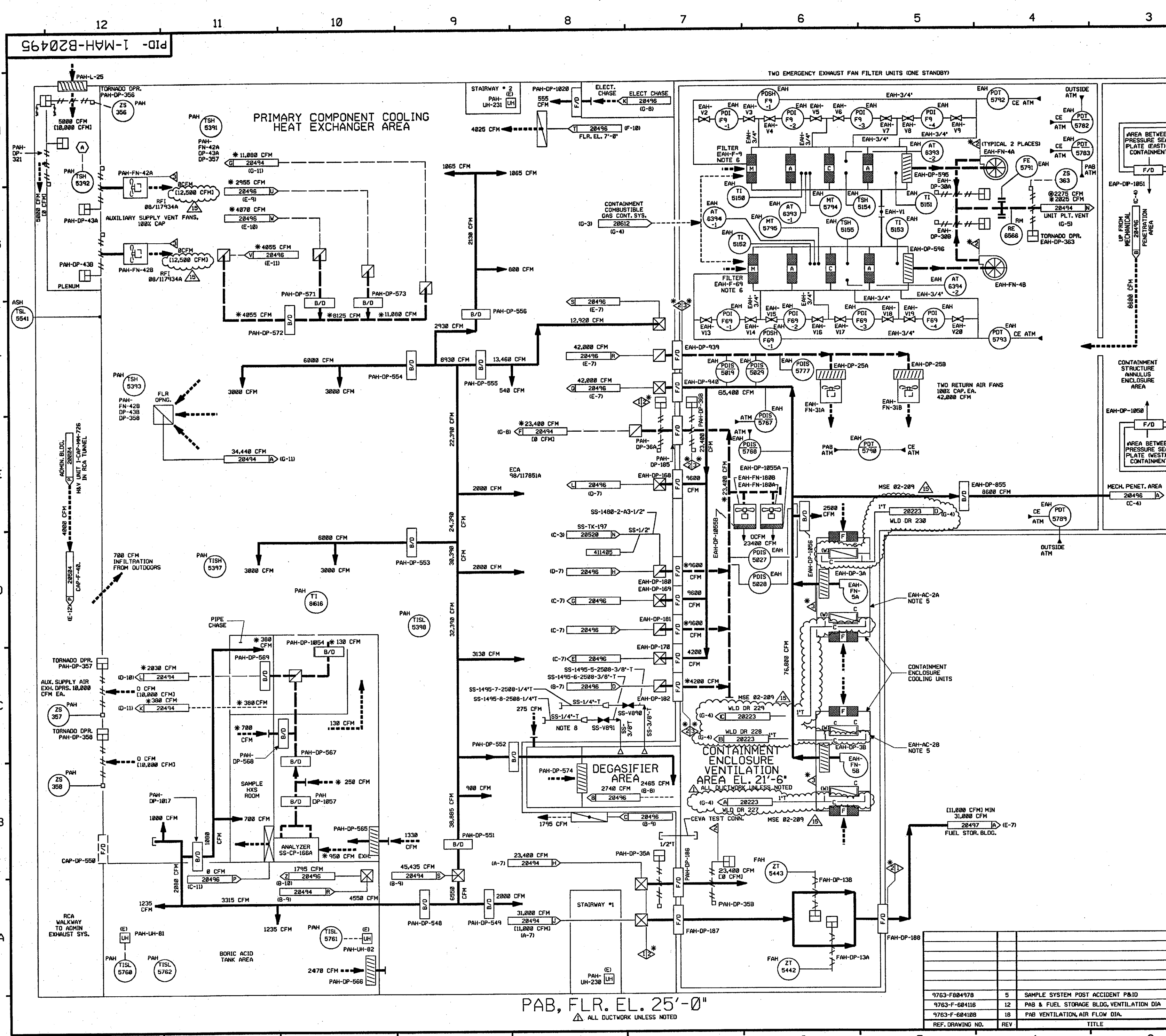
- FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2
- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20492 & 20495 THRU 20500.
2. SYSTEM PREFIXES:
- PAH - PRIMARY AUX. BLDG. AIR HANDLING.
  - CAP - CONTAINMENT AIR PURGE.
  - COP - CONTAINMENT ON-LINE 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 %<sub>2</sub>O
  - XXXX CFM - DENOTES AIR FLOW RATE AT ANSI NS10-1980 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#8
17	8/18/97	MPW	MAC	DWS	MAC	INCORP MMOD 96-522 DCM#8
16	8/18/97	MPW	MAC	DWS	MAC	INCORP MMOD 96-520 DCM#1
15	4/24/97	DWS	MAC	DWS	MAC	INCORP MMOD 960571 CA#10
14	10/17/96	BCL	MAC	DWS	MAC	INCORP MMOD 96-544 CA#9
13	11/19/96	BCL	MAC	DWS	MAC	INCORP MMOD 96-545 CA#9
12	6/12/96	BCL	MAC	DWS	MAC	INCORP MMOD 94-570 CA#8
11	12/6/94	DWS	MAC	DWS	MAC	INCORP MMOD 930545 CA#6
10	12/7/93	MRS	MAC	DWS	MAC	INCORP MMOD 90-585 CA#6
9	12/13/89	MRS	MAC	DWS	MAC	ADDED CONTINUATIONS TO AND FROM RM-SKD-59
8	9/24/89	MRS	MAC	DWS	MAC	INCORP MMOD 88-12 CA
7	4/27/89	GPM	MAC	DWS	MAC	ADDED SYS PREFIX PER SIS VERIFICATION
6	4/21/89	MRS	MAC	DWS	MAC	INCORP DCR 86-555 CA 9
5	8/18/88	MPW	MAC	DWS	MAC	INCORP DCR 87-265 CA 4
4	4/9/87	DAP	MAC	DWS	MAC	RE-INCORP DCR 86-564 CA-2
3	3/13/87	PAL	MAC	DWS	MAC	ADDED INS. T.E. INS. & NEW PAID LEGEND. REVISED TO REF. TO DCR 86-564 CA-2
2	12/23/86	JDM	MAC	DWS	MAC	ADDED PAID LEGEND NOTE & CONT. DUCTS. CORRECTED CONT. DUCTS. INCORP. ECA'S 94/112547-94/117939A & 94/118338A. ADDED LINE NUMBER
1	10/3/86	JDM	MAC	DWS	MAC	INCORP ECA 90/11748A, 95/682068B & 98/118017A
0	6/12/86	JDM	MAC	DWS	MAC	ISSUED FOR OPERATIONS AND INCORP. ECA 90/118338A
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



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

- NOTES:
1. WORK THIS DWG. WITH DWGS. 28492, 28494 & 28496 THRU 28588.
  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 28494.
  4. INSTRUMENT REFERENCES:  
(A) TO PAH-FN-147 ON DWG. MAH 28494.
  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	ANSI DIRTY FLOW CFM	SURVEILLANCE TEST FLOW CFM	SURVEILLANCE TEST FLOW + 10% CFM	SURVEILLANCE TEST FLOW - 10% CFM
EAH-F-9	2275	2100	2025	2100	2310	1890
EAH-F-69	2275	2100	2025	2100	2310	1890

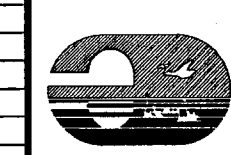
7. Δ INDICATES REVISION LEVEL  
8. AIR SAMPLE STATION

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

15	10-27-05	BCS	JM	REB	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	6/9/99	DWS	RWS	DJM	INCORP MM00 97-618 DCN 00
12	6/2/98	DRL	BCS	VWS	INCORP MM00 97-521 DCN 00
11	6/12/95	BCL	DWS	DJM	INCORP MM00 94-570 CA0
10	12/9/94	MPW	BCL	MHO	INCORP MM00 93-545 CA 0
9	5/11/92	MRB	BCL	GPM	INCORP MM00 91-622 CA0
8	8/16/91	MRB	JM	IV	INCORP DCR 86-554 CA0
7	4/27/89	GPM	PAL	MAC	INCORP DCR 87-365 CA 4, ADDED DP NUMBERS PER U&C P&ID 9763-F-604108 NOTE 7
6	4/21/89	MRB	GPM	MAC	INCORP DCR 86-554 CA 9
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. DWGS & INCORP. DCR 528 & 564
3	1/3/87	JDM	BCL	MAC	INCORP DCR 574
2	12/23/86	JDM	PAL	MAC	INCORP ECA'S 98/117935B, 06/115615B, 99/112947F, 98/117851A & 98/118385F. MOVED POIS 5378 & POIS 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	9/12/86	JDM	MAP	RRR	INCORP ECA 98/117840A
0	6/12/86	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

REF. DRAWING NO.	REV	TITLE
9763-F084978	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.

964028-BHAM-1-PID

BELOW EL. 25'-6"

EL. (-) 50'-0"

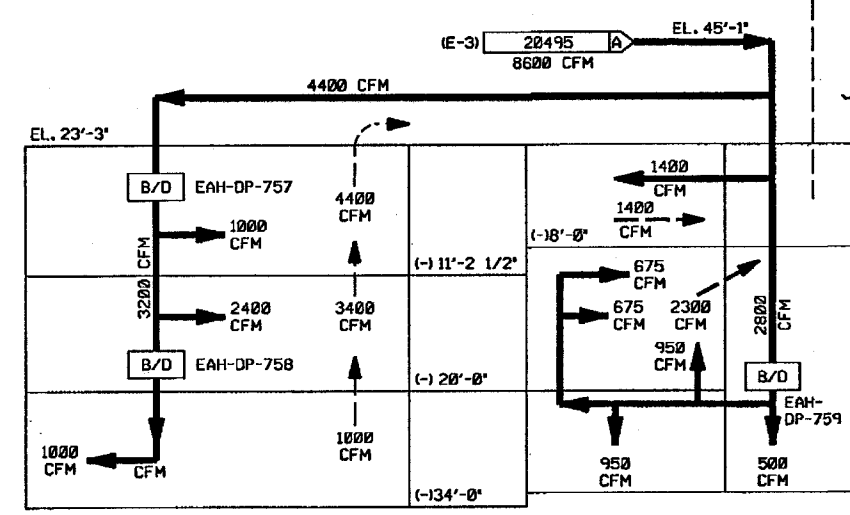
EL. (-) 61'-0"

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  
EAM - CONT. ENCLOSURE AIR HANDLING  
COP - CONTAINMENT ON-LINE PURGE  
SS - SAMPLE SYSTEM
  3. ALL DUCTWORK, UNLESS NOTED.
  4. FOR SYMBOL LEGEND, SEE NOTE 3 ON DWG. MAH 20494.
  5. \* DENOTES AIR FLOW RATE AT ANSI N-518-1988 TEST REQUIREMENT.
  6. Δ INDICATES REVISION LEVEL
  7. AIR SAMPLE STATION

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

PAB EL. (-) 6'-0"



MECHANICAL PENETRATION AREA  
ALL DUCTWORK

PAB EL. 7'-0" Δ

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
11	9/8/03	BCS	JM	RL	INCRP MM00 02-552 DCN#00
10	6/3/99	DWS	RWS	DJM	INCRP MM00 070610 DCN#00
9	6/12/95	BCL	DWS	DJM	INCRP MM00 04-578 CA#0
8	12/9/94	DWS	BCL	MHO	INCRP MM00 030545 CA#0
7	8/16/94	MRB	JM	TW	INCRP DCR 86-554, CA#0
6	2/5/90	MRB	APL	TW	INCRP DCR 86-572 CA #2
5	4/2/89	MRB	GPM	MHC	INCRP DCR 87-265 CA 4 REVISED NOTES 1, 4 ADDED NOTE 5 AND P&ID LEGEND NOTE
4	6/8/87	MPV	DWS	MHC	INCRP DCR 86-724 REVISED EAH-DP-747 TO EAH-DP-757 PER EQUIPMENT LIST
3	4/24/87	WDS	PAL	MHC	INCRP DCR 8528 ADDED CONT REF COORDS, INCRP, ECA 86/112938A, REMOVED 8" COP LINES FROM THIS DWG. THESE LINES ARE DETAILED ON DWG MAH-20504.
2	12/28/86	JDM	PAL	RRC	ADDED LINE NO 8 & ISOMETRIC NO TO WLD LINE. ADDED REFERENCE DRAWING. RESOLVED CHANGE ITEM NO 1 PER REVIEW OF U&C DWG 804959
1	10/17/86	JDM	MPV	RRC	INCRP ECA 05/18325A
0	06/12/86	DWS	JDM	WFO	ISSUED FOR OPERATIONS

**FPL ENERGY**

Seabrook Station

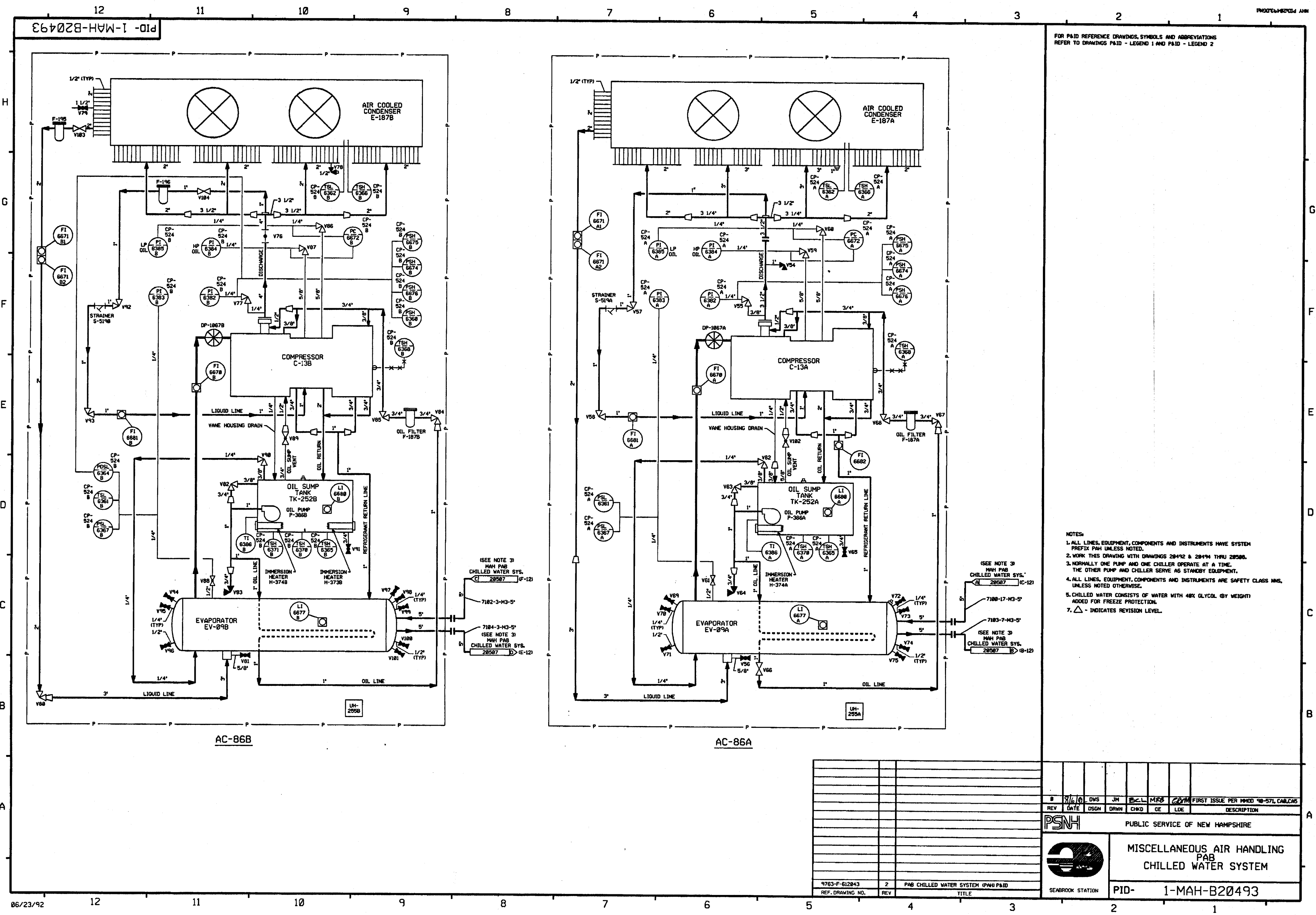


MISCELLANEOUS AIR HANDLING  
PAB & RHR VAULTS DETAIL

PID- 1-MAH-B20496


9763-F-804959	4	FLOOR & EQUIP DRAIN SYSTEM PAB P&ID SHT 2
9763-F-804116	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

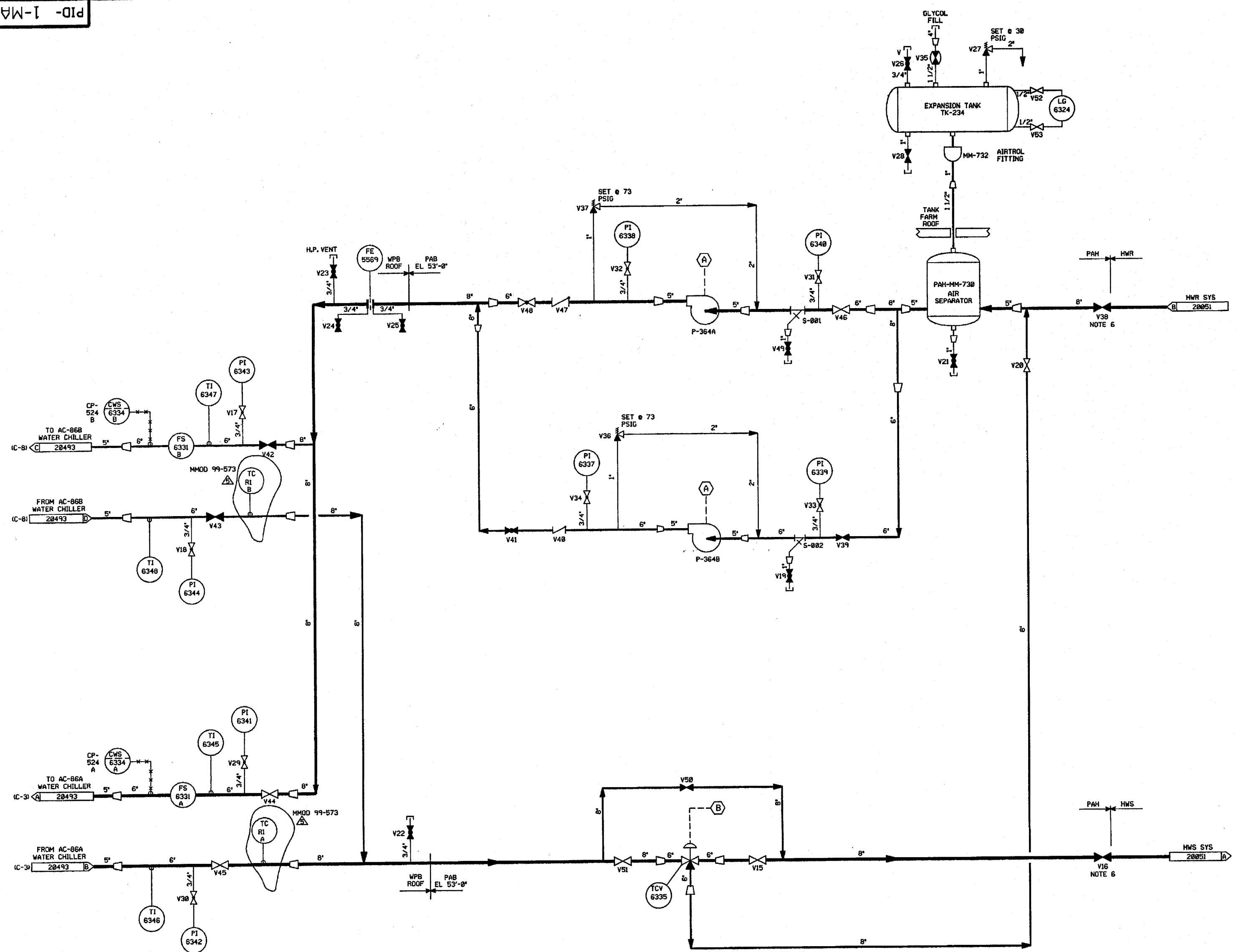
- NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX PAH UNLESS NOTED.
  2. WORK THIS DRAWING WITH DRAWINGS 28492 & 28494 THRU 28500.
  3. NORMALLY ONE PUMP AND ONE CHILLER OPERATE AT A TIME. THE OTHER PUMP AND CHILLER SERVE AS STANDBY EQUIPMENT.
  4. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS MMS, UNLESS NOTED OTHERWISE.
  5. CHILLED WATER CONSISTS OF WATER WITH 48% GLYCOL (BY WEIGHT) ADDED FOR FREEZE PROTECTION.
  7.  $\Delta$  - INDICATES REVISION LEVEL.

#	9/6/90	DWS	JM	ECL	MRS	COM	FIRST ISSUE PER MMSD 98-571, CAB/CAS		
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION		
PSNH							PUBLIC SERVICE OF NEW HAMPSHIRE		
		MISCELLANEOUS AIR HANDLING PAB CHILLED WATER SYSTEM							
		PID- 1-MAH-B20493							
SEABROOK STATION									

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

PID-1-MAH-B20507

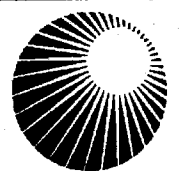
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS  
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2



- 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 INNS, 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.  $\Delta$  - INDICATES REVISION LEVEL.

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

5	7/24/82	BCS	—	DWS	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 VLV5 V25 & V28 PER ERECTION ISO'S, ADDED P&ID LEGEND NOTE, REVISED REF DWG REVISION NO, REVISED CHILLER ARRANGEMENT PER CHANGE ITEM $\Delta$ , CORRECTED DRAFTING ERRORS.
1	7/12/86	JDM	DWS	HMP	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 02/114659A & 13/022242A
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

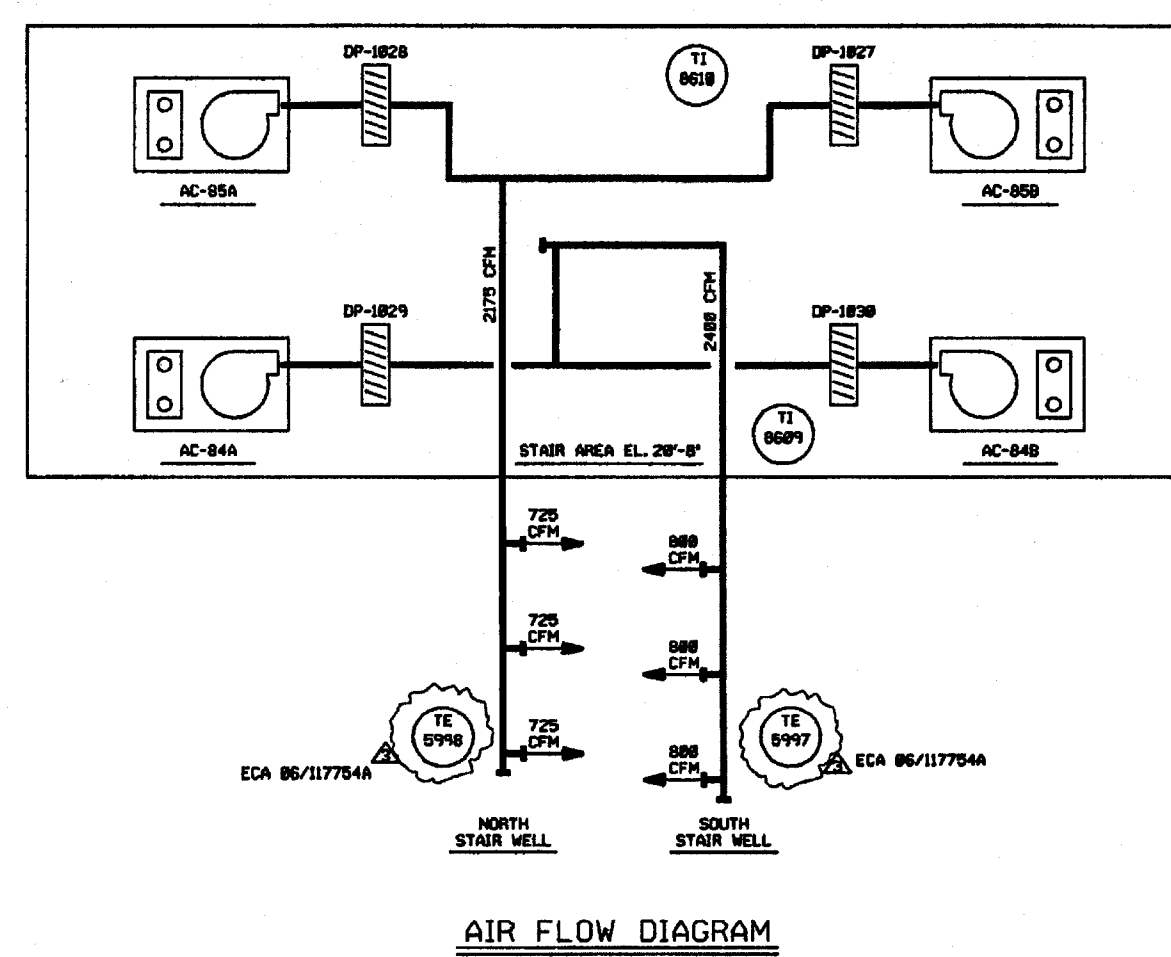
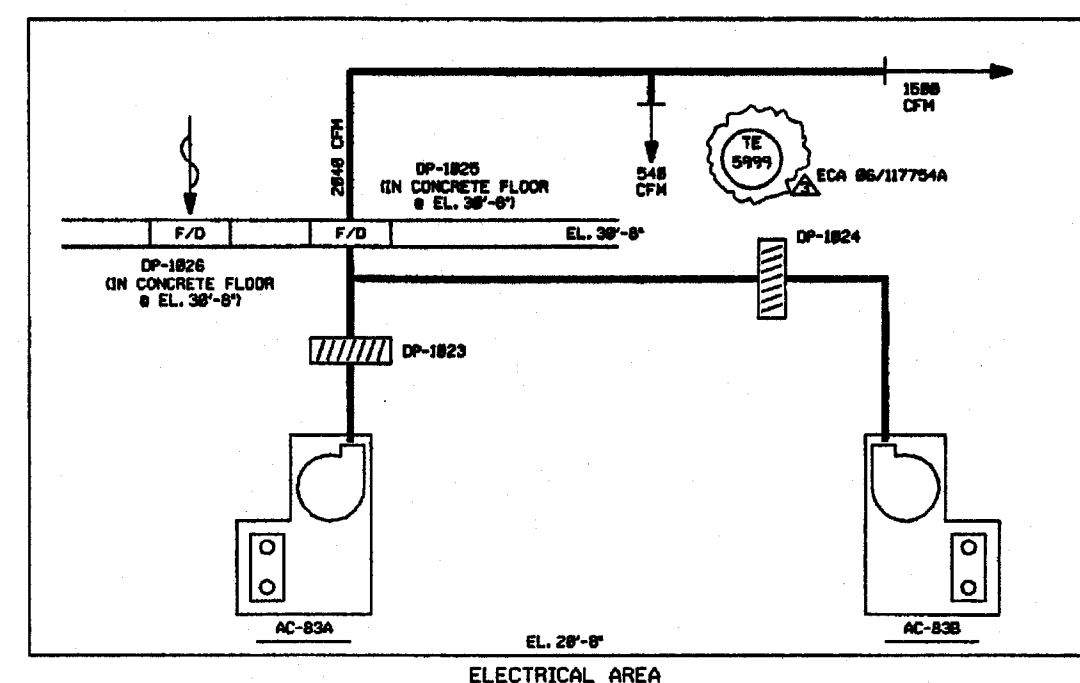
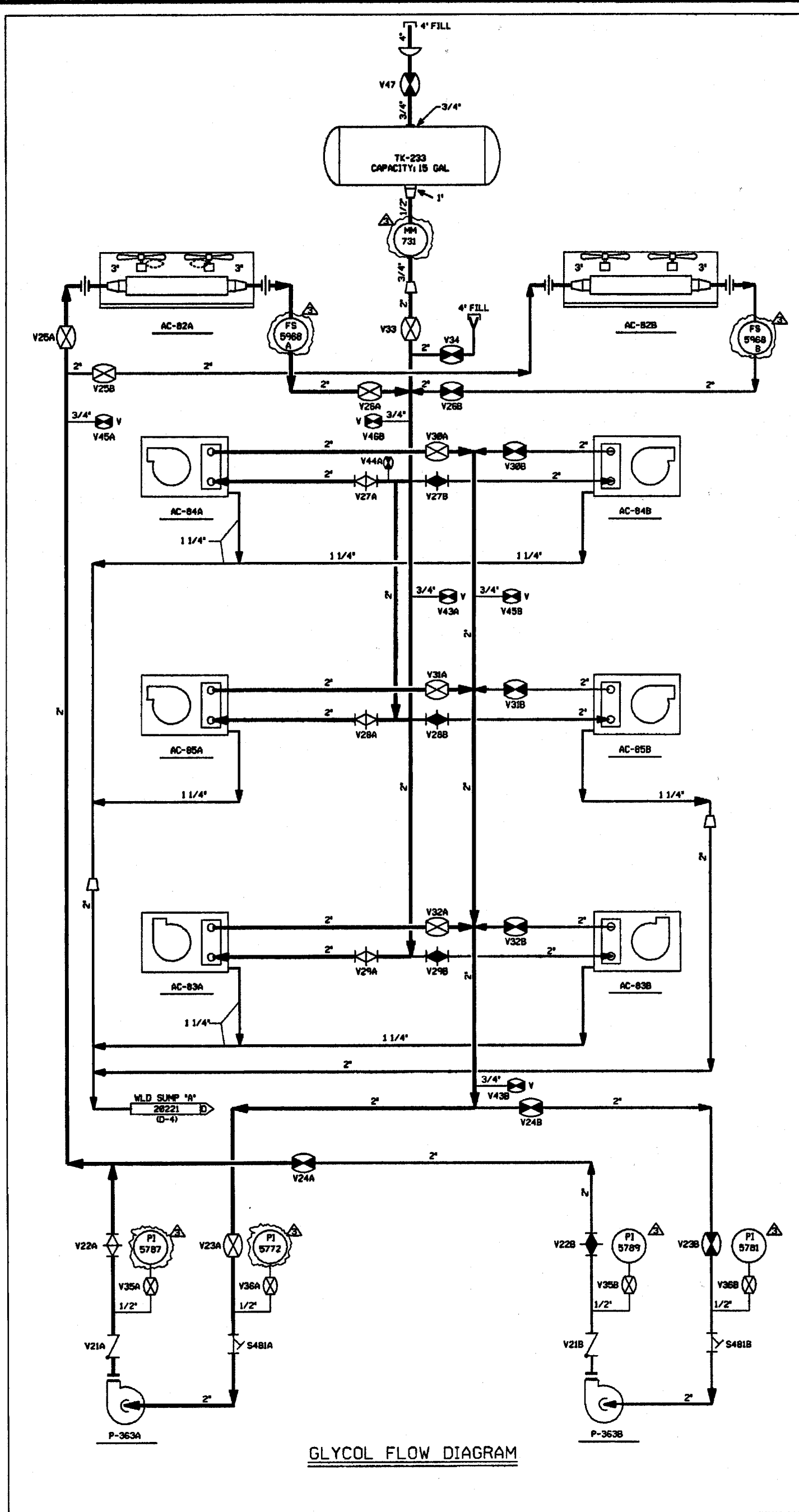
**North Atlantic** Energy Service Corporation

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

8050508-1-MAH-B20508



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

- NOTES:  
1. WORK THIS DRAWING WITH DRAWINGS 28492 & 28494  
THRU 28587.  
2. ALL PIPING, VALVES, EQUIPMENT, AND INSTRUMENTS ARE SYSTEM  
PREFIX "EAP" UNLESS OTHERWISE NOTED.  
3. ALL PIPING, VALVES, EQUIPMENT, AND INSTRUMENTS ARE SAFETY  
CLASS "MS" UNLESS NOTED OTHERWISE.  
4. Δ - INDICATES REVISION LEVEL.

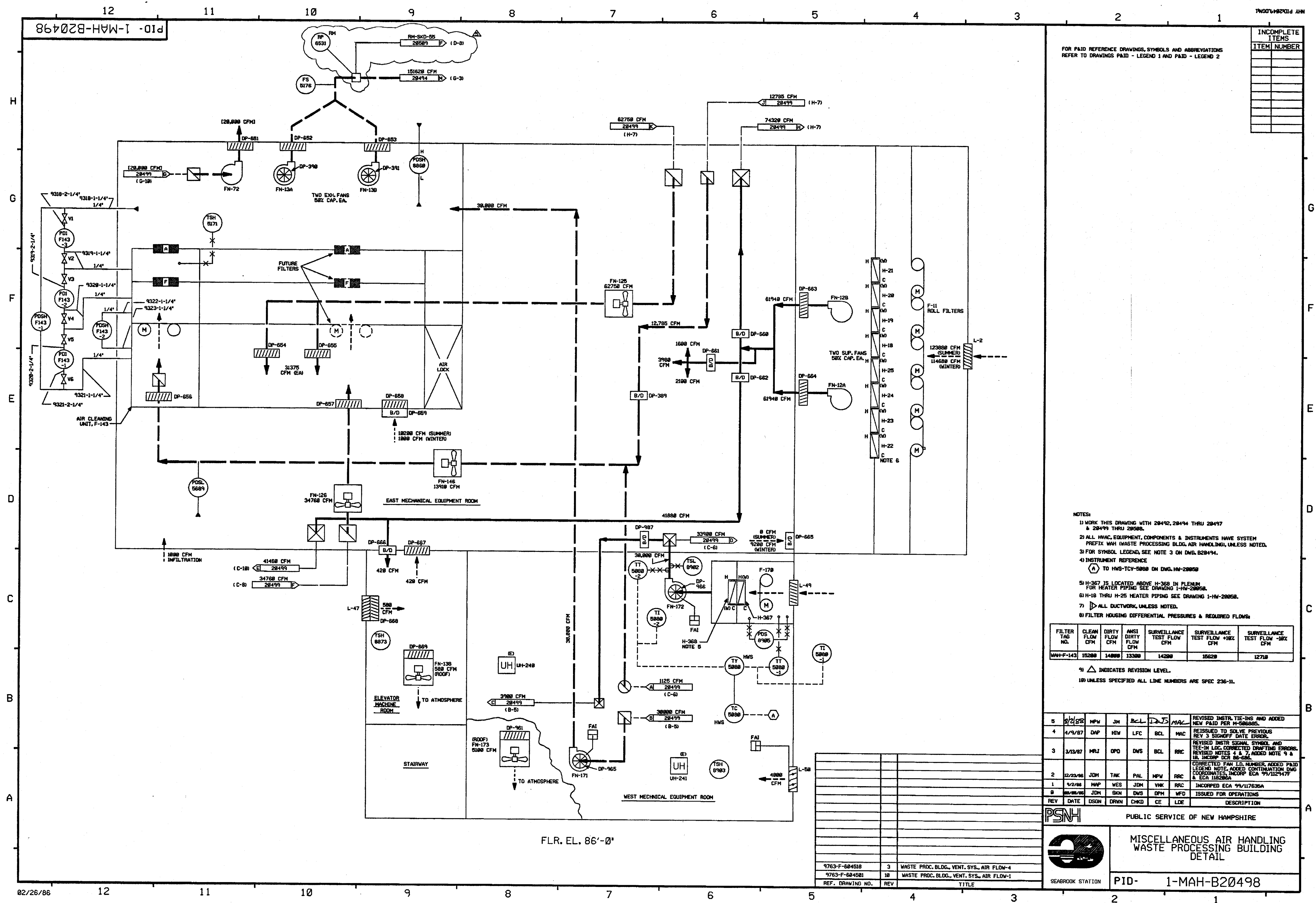
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
3	1/22/91	NRB	RMC	JAK	APL	BJM	INCOMP. ECA 86/117754A REVISED NOTE 3
2	3/16/87	OPD	HLW	MRJ	BCL	MAC	ADDED 1000 CFM DESIGNATION
1	2/24/87	MDS	TAK	PAL	BCL	MAC	ADDED NOTE 4, REVISED REF DNG REVISION INCOMP. DCR 026.
0	6/12/86	JON	SKN	DVS	DFW	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION

9763-F-612841	3	GLYCOL AIR FLOW DIAG. AC SYST. ELECT. VAULT & STAIRS
REF. DRAWING NO.	REV	TITLE

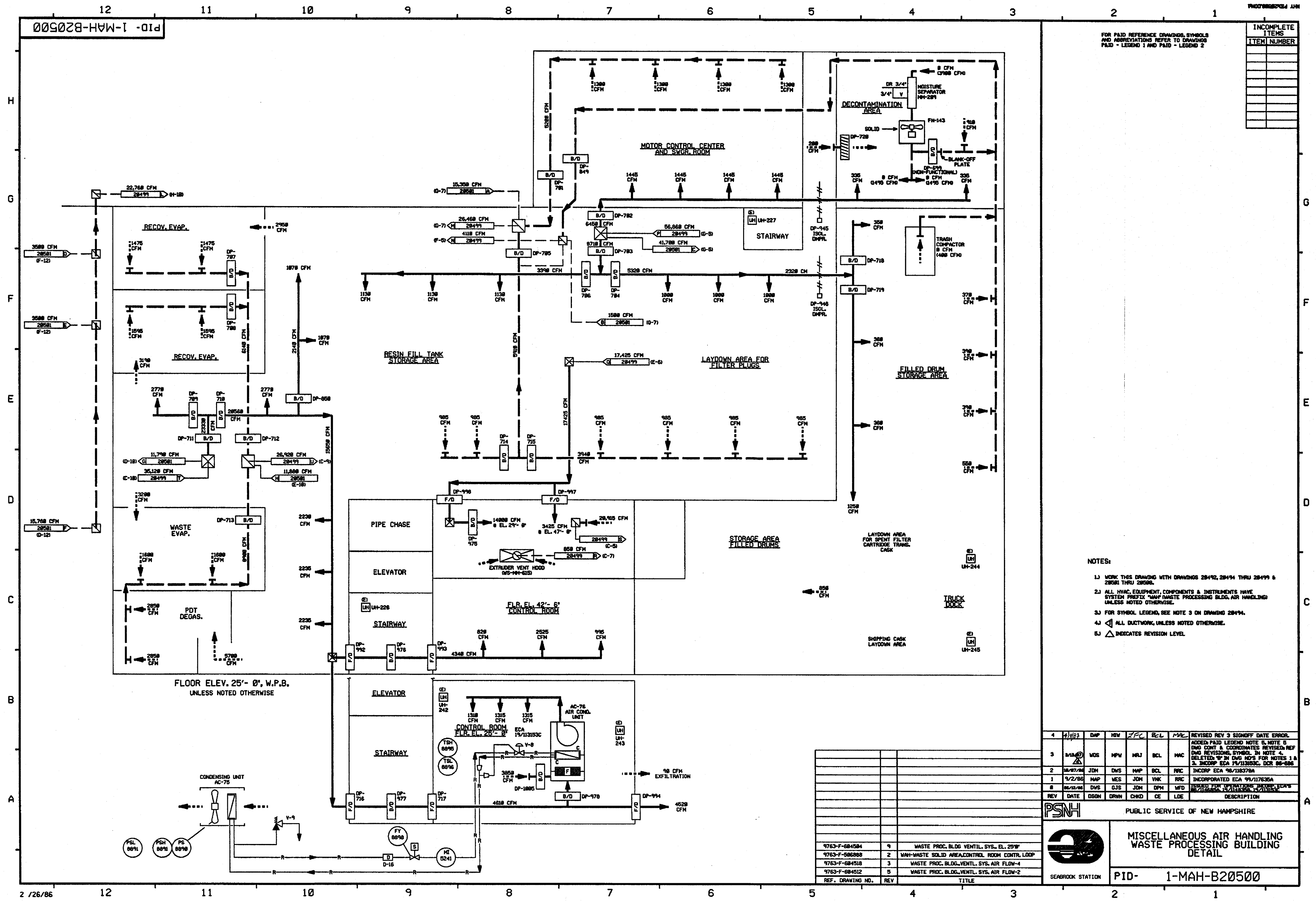
  

PSNH	PUBLIC SERVICE OF NEW HAMPSHIRE
SEABROOK STATION	GLYCOL, AIR FLOW DIAGRAM AC SYSTEM ELECTRICAL VAULT & STAIRS
PID-	1-MAH-B20508










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 28499 & 28501 THRU 28508.
  - 2) ALL HVAC EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX "WAP" WASTE PROCESSING BLDG. AIR HANDLING UNLESS NOTED OTHERWISE.
  - 3) FOR SYMBOL LEGEND, SEE NOTE 3 ON DRAWING 28494.
  - 4) ALL DUCTWORK UNLESS NOTED OTHERWISE.
  - 5)  $\Delta$  INDICATES REVISION LEVEL.

REV	DATE	DSGN	DRWN	CHKD	CE	LOE	DESCRIPTION
1	4/10/81	DAP	HW	ZFC	R-L	MAL	REVISED REV 3 SIGNOFF DATE ERROR.
3	3/18/82	WDS	MPV	HLJ	BCL	MAC	ADDED PAID LEGEND NOTE 5, NOTE 6 Dwg CONT. & COORDINATES REVISION REF Dwg REVISIONS, SYMBOL IN NOTE 4, DELETED "P" IN Dwg NO'S FOR NOTES 1 & 2, INCORP. ECA 98/118378A, DCR 88-586
2	10/27/82	JDM	DWS	MAP	BCL	RRR	INCORP. ECA 98/118378A
1	9/2/83	MAP	MES	JDM	VNC	RRR	INCORPORATED ECA 99/117635A
8	08/12/88	DWS	GJS	JDM	DPH	WFD	ISSUED FOR OPERATIONS "WASTE" ECA 98/118378A, 99/117635A, 99/118378C



PUBLIC SERVICE OF NEW HAMPSHIRE

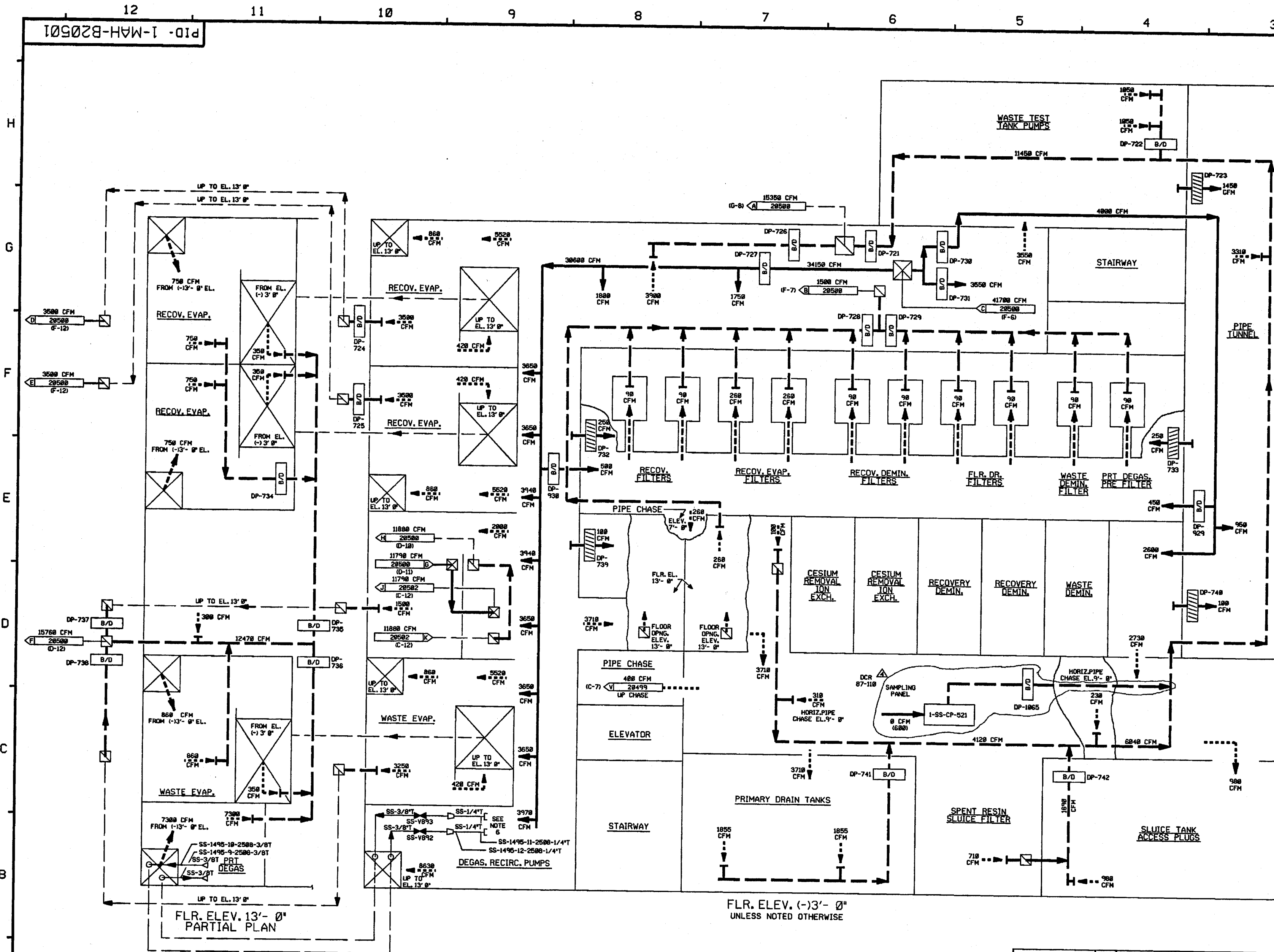


SEABROOK STATION

MISCELLANEOUS AIR HANDLING  
WASTE PROCESSING BUILDING  
DETAIL

PID- 1-MAH-B20500

REF. DRAWING NO.	REV	TITLE
9763-F-684584	9	WASTE PROC. BLDG. VENTIL. SYS. EL. 25'W
9763-F-586888	2	WAP-WASTE SOLID AREA CONTROL ROOM CONTR. LOOP
9763-F-684518	3	WASTE PROC. BLDG. VENTIL. SYS. AIR FLOW-1
9763-F-684512	5	WASTE PROC. BLDG. VENTIL. SYS. AIR FLOW-2



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.

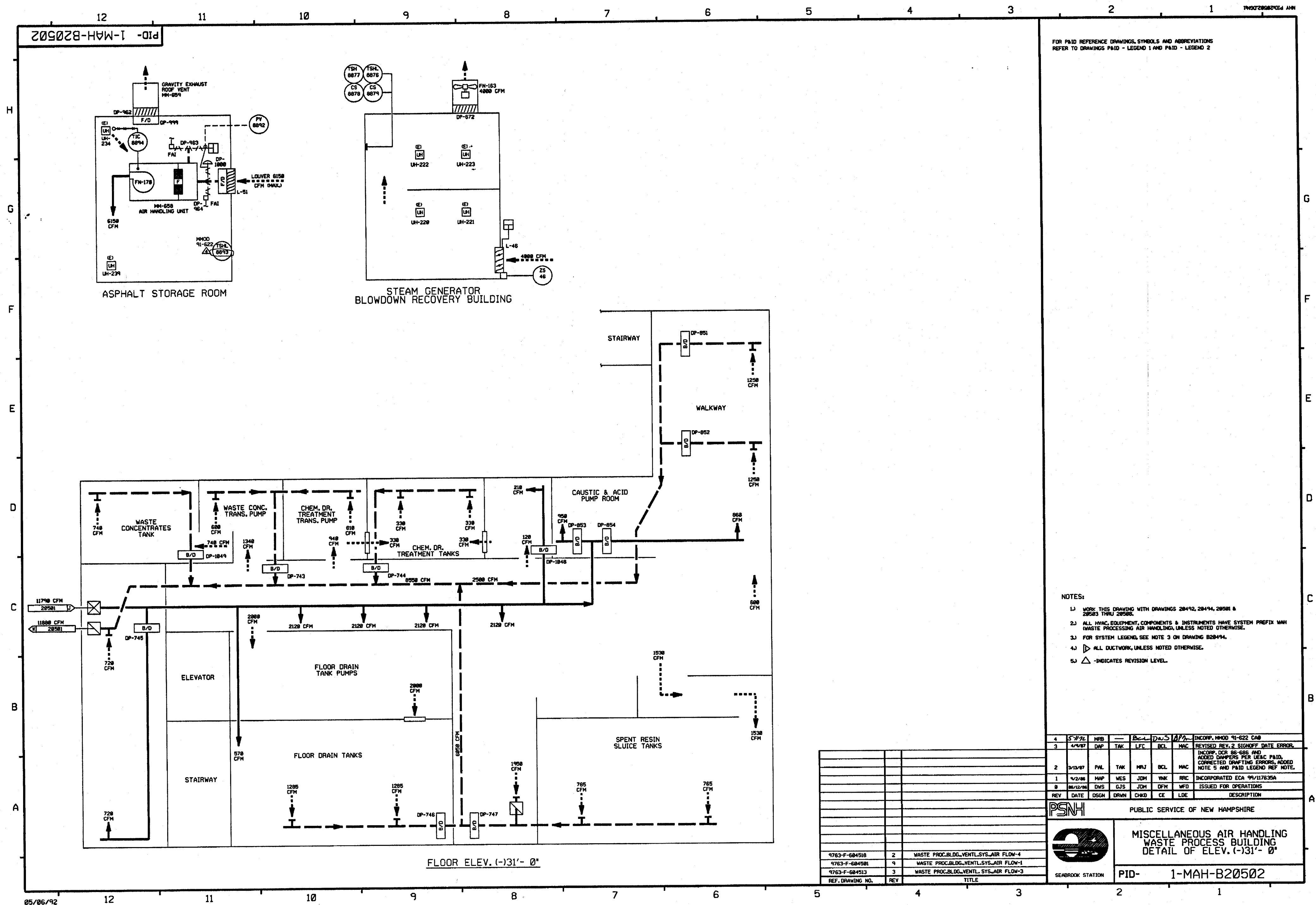
4	10/2/87	MRB	RMC	PAL	GPM	LAL	INCORPORATED DCR 87-118 CA 11
3	4/2/85	MRB	FCB	GPM	PAL	MAC	INCORPORATED DCR 87-265 CA 4
2	4/9/87	DAP	TAK	LFC	BCL	MAC	REVISED REV. 1 SIGNOFF DATE ERROR
1	3-13-87	MRJ	GJS	OPD	BCL	MAC	ADDED CONTINUATION FLAG COORD'S AND NOTES, REVISED AIR FLOW PER UAC.
8	6/12/85	DWS	GJS	JDW	DLH	WFD	INCL. DCR 86-585
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	ISSUED FOR OPERATIONS
PSNH							DESCRIPTION

PUBLIC SERVICE OF NEW HAMPSHIRE

**MISCELLANEOUS AIR HANDLING  
WASTE PROCESSING BUILDING  
DETAIL**



9763-F-884513 3 WASTE PROC. BLDG. VENTL. SYS. AIR FLOW-3  
REF. DRAWING NO. REV 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, 28501 & 28503 THRU 28508.
2. ALL HVAC EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX WAA (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	5/7/92	MRB	---	BCL	DAUS	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	NRJ	BCL	NAC	INCORP. OCR 86-585 AND ADDED DAMPERS PER JEAC PAID. CORRECTED DRAFTING ERRORS, ADDED NOTE 5 AND PAID LEGEND REF NOTE.
1	4/2/86	MAP	WES	JDM	VNK	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

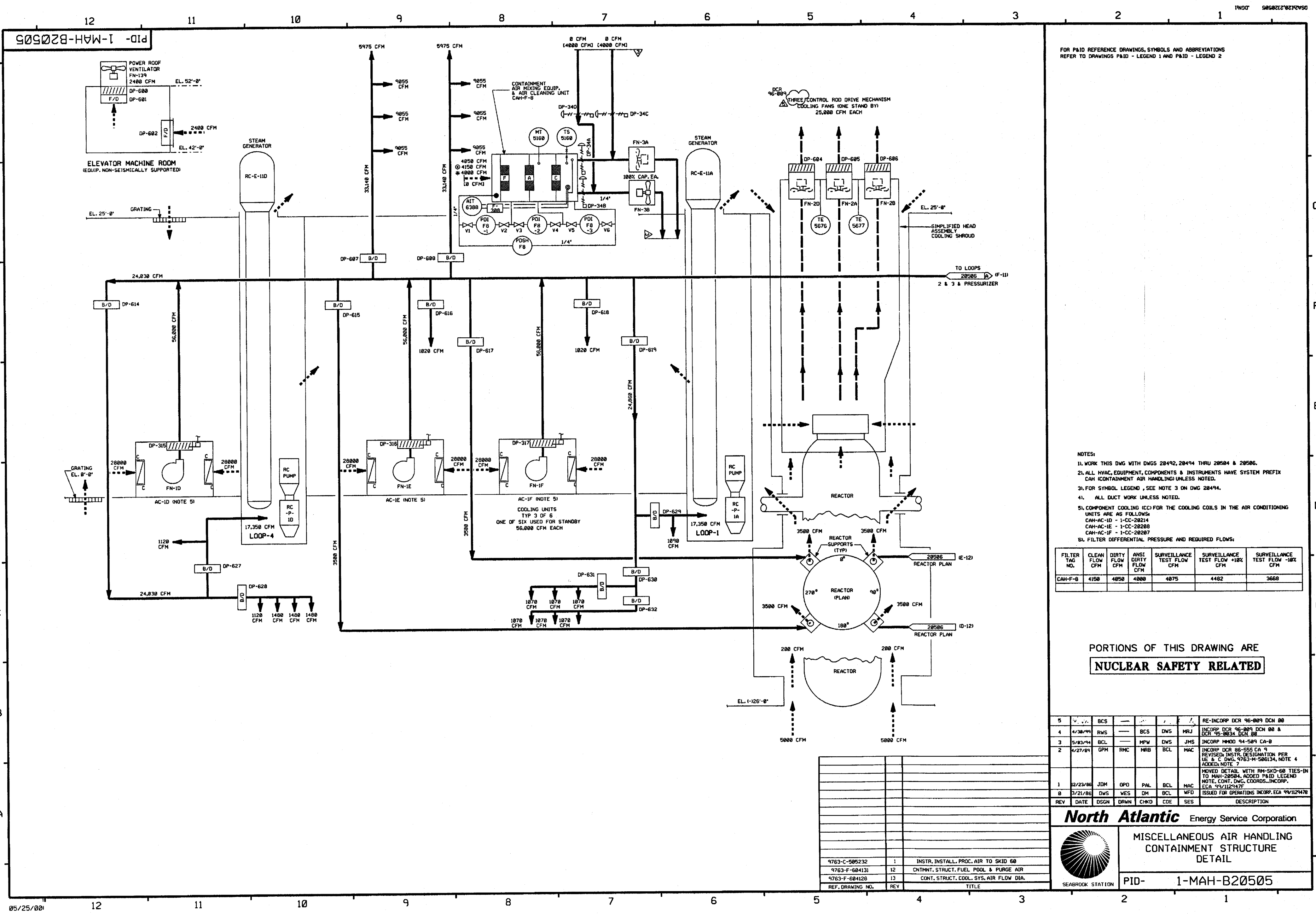
PUBLIC SERVICE OF NEW HAMPSHIRE

MISCELLANEOUS AIR HANDLING  
WASTE PROCESS BUILDING  
DETAIL OF ELEV. (-)31'- 0"

SEABROOK STATION

PID- 1-MAH-B20502





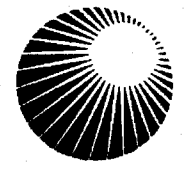
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS  
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
1. WORK THIS DWG WITH DWGS 20492, 20494 THRU 20504 & 20506.
  2. ALL HVAC EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX CAH (CONTAINMENT AIR HANDLING) UNLESS NOTED.
  3. FOR SYMBOL LEGEND, SEE NOTE 3 ON DWG 20494.
  4. ALL DUCT WORK UNLESS NOTED.
  5. COMPONENT COOLING (CC) FOR THE COOLING COILS IN THE AIR CONDITIONING UNITS ARE AS FOLLOWS:  
CAH-AC-1D - 1-CC-20214  
CAH-AC-1E - 1-CC-20288  
CAH-AC-1F - 1-CC-20287
  6. FILTER DIFFERENTIAL PRESSURE AND 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
CAH-F-8	4150	4050	4000	4075	4482	3668

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

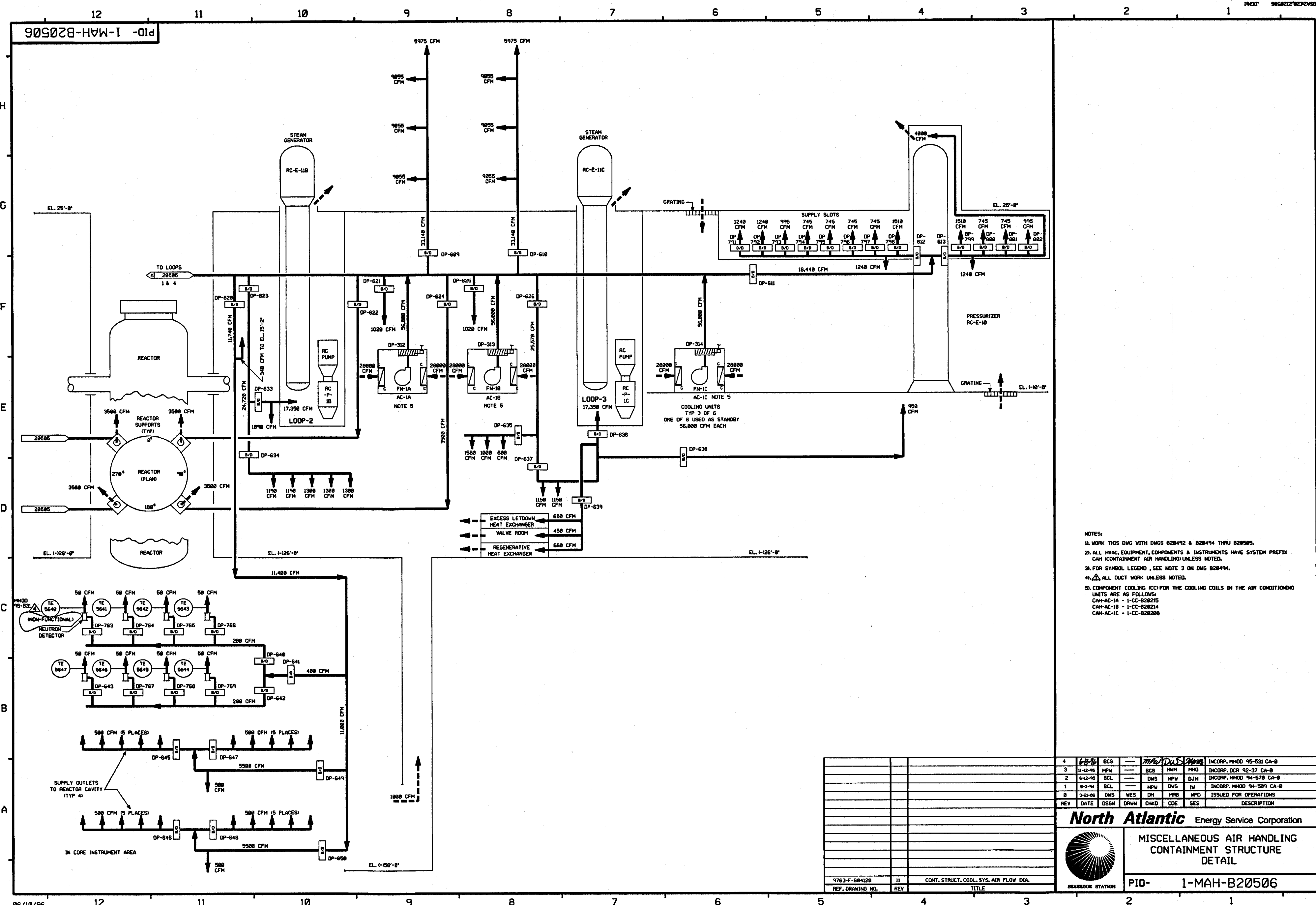
5	1/23/88	BCS	—	BCS	DWS	MRJ	RE-INCORP DCR 96-009 DCN 00
4	4/30/89	RVS	—	BCS	DWS	MRJ	INCORP DCR 96-009 DCN 00 & DCR 95-0034 DCN 00
3	5/03/94	BCL	—	MPW	DWS	JMS	INCORP MWD 94-509 CA-0
2	4/27/89	GPM	RMC	MRB	BCL	MAC	INCORP DCR 88-055 CA 9 REVISED INSTR. DESIGNATION PER US & C DWG 9763-M-506134, NOTE 4 ADDED, NOTE 7
1	12/23/86	JDM	OPD	PAL	BCL	MAC	MOVED DETAIL WITH RM-SKD-68 TIES-IN TO MAH-20504. ADDED P&ID LEGEND NOTE, CONT. DMC, COORDS. INCORP. ECA 95/112/147
0	3/21/86	DWS	WES	DM	BCL	WFD	ISSUED FOR OPERATIONS INCORP. ECA 95/112/147
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

**North Atlantic** Energy Service Corporation

MISCELLANEOUS AIR HANDLING  
CONTAINMENT STRUCTURE  
DETAIL

PID-1-MAH-B20505

9763-C-505232	1	INSTR. INSTALL. PROC. AIR TO SKID 60
9763-F-604131	12	CONT. STRUCT. FUEL POOL & PURGE AIR
9763-F-604120	13	CONT. STRUCT. COOL. SYS. AIR FLOW DIA.
REF. DRAWING NO.	REV	TITLE



PID-1-MAH-B20504

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 28492, 28494 THRU 28583 & 28585 & 28586.
  2. ALL PIPING, HVAC, EQUIP. COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX CAP (CONTAINMENT AIR PURGED UNLESS NOTED).  
COP - (CONTAINMENT ON-LINE PURGE)
  3. FOR SYMBOL LEGEND, SEE NOTE 3 ON DWG. 28494.
  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-48	15900	15300	15000	15450	16995	13905

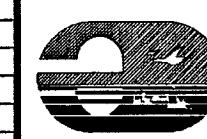
6. VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM SIDE OF THE OUTER ISOLATION VALVE PER 1-NHY-885111 UNLESS OTHERWISE NOTED.
7. BLIND IS INSTALLED TO ISOLATE THE FILTER, DURING MODES 1-4 (NORMAL OPERATION), DURING MODES 5 & 6 (OUTAGES), THE BLIND WILL BE REMOVED TO ALIGN THE FILTER FOR OPERATION.

8.  $\Delta$  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**

24	1/2-5-04	BCS	JM	228	INCORP CR 84-09481 REV 00
23	9/4/83	BCS	JM	MCC	INCORP SYSTEM FINAL CONFIGURATION PER DCR 88-21 DCM-00
22	1/27/83	JM	MPW	BCS	INCORP CR 88-04563 REV 00, REVISED VALVE SYMBOL
21	10/28/80	DWS	BCS	MCC	INCORP DCR 880821 DCM-00
20	6/2/98	DWS	BCS	HMM	INCORP MMOD 970618 DCM-00
19	6/2/98	DRL	MPW	VMS	INCORP MMOD 97-521 DCM 00
18	12/2/95	MPW	BCS	RJF	INCORP MMOD 95-588 CA-0
17	1/2/95	BCL	MPW	RRC	INCORP DCR 95-003 CA-0
16	6/12/95	BCL	DJM	DJM	INCORP MMOD 94-570 CA0
15	4/28/94	MPW	BCL	WFZ	INCORP DCR 92-014 CA 7
14	2/9/94	BCL	MRB	WFZ	INCORP MMOD 93-524 CA-0
13	10/2/92	BCL	MRB	BAW	INCORP DCR 90-14 CA14
12	4/14/92	MRB	DWS	JEV	INCORP MMOD 91-515 CA0
11	9/18/91	CPM	JM	MCC	INCORP DCR 89-14 CA22
10	2/26/91	MRB	JM	BCL	INCORP DCR 88-535 CAB1 & MMOD 88-514 CA 1
9	1/23/90	MRB	APL	GRM	INCORP MMOD 88-535 CA 0 AND MMOD 88-514 CA 1
8	4/27/89	GPM	MRB	MAC	INCORP DCR 86-555 CA 9 REVISED VALVE SYMBOLS PER FP 73290, NOTE 6 DELETED, NOTE 7 & 9
7	5/12/87	MPW	HIW	VMS	DELETED CHANGE ITEM 4 PER DCR 87-135
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 DCR 95/100/015, ADDED SENSING LINES AND REMOVED RACK MTD. SYMBOLS PER EXISTING CONFIGURATION, ADDED NOTE 9 AND CHANGE ITEM 1.
5	3/13/87	NRJ	JDM	MAC	ADDED CONTINUATION DWG COORDINATES, INCORP ECA 93/12347E
4	12/23/86	JDM	PAL	RRC	INCORP ECA 86/118099A
3	10/17/86	JDM	MPW	RRC	ADDED NOTE 7, 8 & P&ID LEGEND, INCORP DETAILS FOR RM-SKD-60, INCORP ECA 86/88280B & 98/117848A, ADDED LINE SIZES & REV REF DWGS
2	10/9/86	JDM	MAP	RRC	UPDATE PER LATEST USAC P&ID, INCORP ECA 93/12347B
1	6/24/86	DWS	VWK	RRC	ISSUED FOR OPERATIONS
0	3/4/86	DWS	DM	WFD	
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY** Seabrook Station

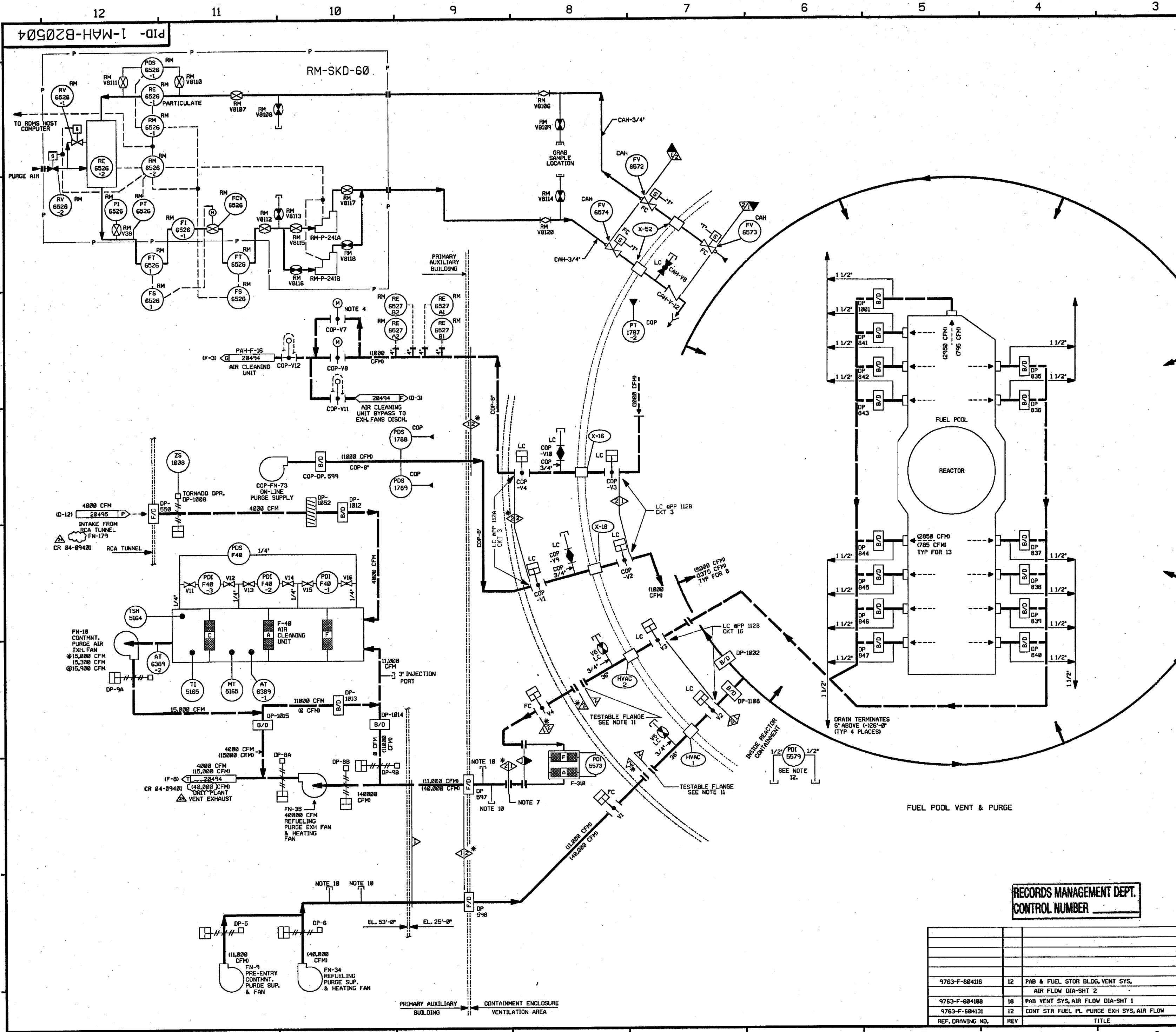


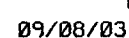
MISCELLANEOUS AIR HANDLING  
CONTAINMENT & PURGES  
DETAIL (COP, CAP)

PID- 1-MAH-B20504

RECORDS MANAGEMENT DEPT.  
CONTROL NUMBER

REF. DRAWING NO.	REV	TITLE
9763-F-684116	12	PAB & FUEL STOR BLDG, VENT SYS, AIR FLOW DIA-SHT 2
9763-F-684188	18	PAB VENT SYS, AIR FLOW DIA-SHT 1
9763-F-684131	12	CONT STR FUEL PL PURGE EXH SYS, AIR FLOW





PID- 1-MAH-B20503

9763-F-604170	3	MS & FW PIPE CHASE H <sub>2</sub> ANALYZER ROOM, ELEC. ROOM
9763-F-604678	7	TURB. BLDG. M.S.F.F. ENCLOSURE VENT
9763-F-604089	4	ELEC. TUNN. TRN. A & B, AIR COND. PLANS
9763-F-604169	2	RECA. CHECKPOINT, HT & AIR COND. SYS.
9763-F-604141	13	EMER. F.DWTR. PUMP BLDG., HT & VENT. SYS.
9763-F-604140	3	ELEC. TUNN. TRN. A & B, AIR COND. AIR FL. & PID
9763-F-604116	12	PAB & F. STOR. BLDG., VENTIL. SYS., AIR FLOW
REF. DRAWING NO.	REV	TITLE





- NOTES:
1. ALL HVAC, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX DAW UNLESS NOTED.
  2. THE DAW SYSTEM IS A ONE DWG. SYSTEM, AN OVERVIEW IS NOT REQUIRED.
  3. ALL HVAC, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS M 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-828393.
  8. Δ INDICATES REVISION LEVEL.

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

6	1-11-66	JM	BSS	ZRLS	INCOMP. HMDD 93-584 DCN 89
3	2/14/66	DWS	BGS	JNSP	INCOMP. DCR 968393 DCN#86 & 28
4	6/12/75	BDL	DSV	DJM	INCOMP. HMDD 94-578 CA-8
3	12/1/94	MPL	DWS	JFS	INCOMP. DCR 93-44 CA-9
2	12/15/89	MRS	PAL	IV	INCORPORATED 87-485 CA
1	2/24/87	WOB	PAL	MAC	ADDED P. 1 & 1C. L. 2 NOTE.
					REVISE REF DWG REVISIONS INCOMP. DCR 526
0	5-28-86	MES	JOM	WFO	ISSUED FOR OPERATIONS & INCOMP. CA/3 97/1126288- 92/1441498
REV	DATE	DSGN	CHKD	CD	DESCRIPTION

**FPL ENERGY**

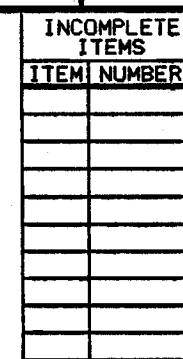
Seabrook Station

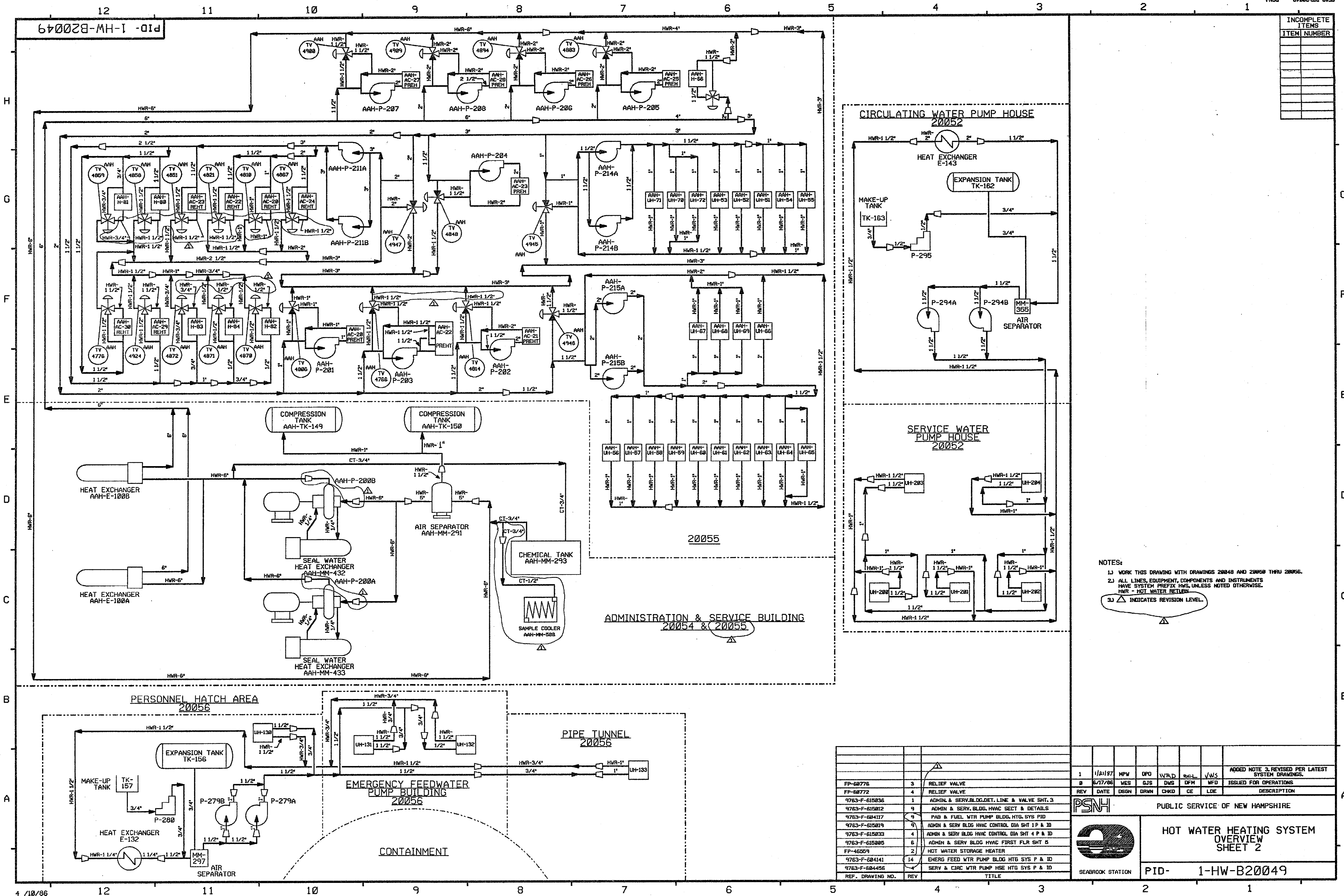


DIESEL GENERATOR BUILDING  
AIR HANDLING

PID-	1-DAH-B20624
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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

[illegible]



INCOMPLETE ITEMS	ITEM NUMBER

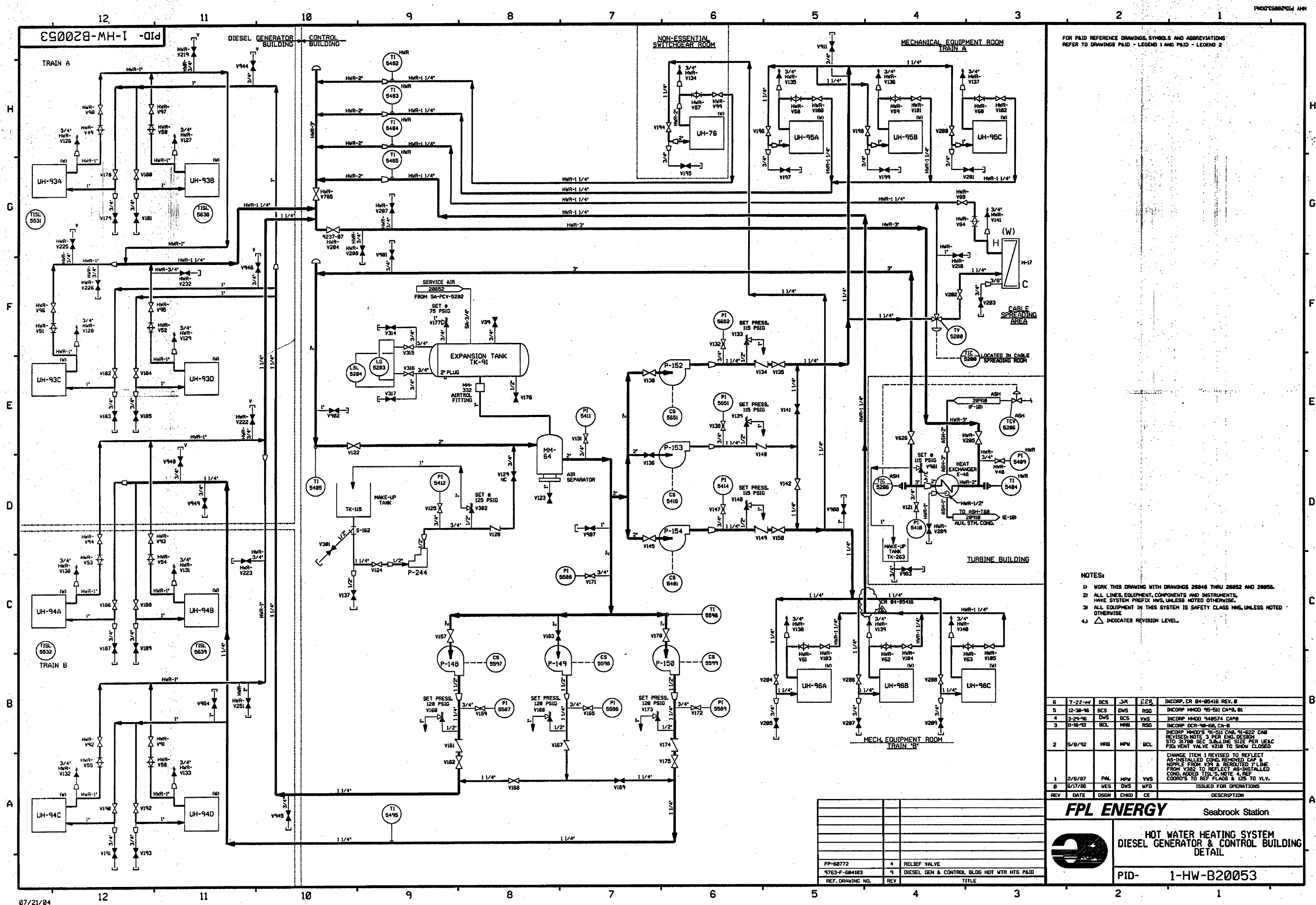
- NOTES:
- 1) WORK THIS DRAWING WITH DRAWINGS 20048 AND 20050 THRU 20056.
  - 2) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX HWS, UNLESS NOTED OTHERWISE.
  - 3) INDICATES REVISION LEVEL.

REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
1	1/11/87	MPW	DPD	VRD	REL	VWS	ADDED NOTE 3, REVISED PER LATEST SYSTEM DRAWINGS.
2	6/17/86	WES	GJS	DMS	DFM	WFD	ISSUED FOR OPERATIONS
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

PSNH PUBLIC SERVICE OF NEW HAMPSHIRE

HOT WATER HEATING SYSTEM OVERVIEW SHEET 2


SEABROOK STATION PID- 1-HW-B20049



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)  $\Delta$  INDICATES REVISION LEVEL.

6	7-22-64	BCS	JM	228	INCCP CR 84-05416 REV. 0
5	12-30-96	BCS	DMS	RSG	INCCP HMD 95-511 CA#8, 01
4	3-24-96	DWS	BCS	VNS	INCCP HMD 94-0574 CA#8
3	11-16-93	BCL	MRB	RSG	INCCP DCR-90-60, CA-8
2	5/8/92	MRB	MPW	BCL	INCCP 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 COND'S TO REF PLAS & 125 TO VLV.
0	5/17/86	VES	DWS	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY**

Seabrook Station

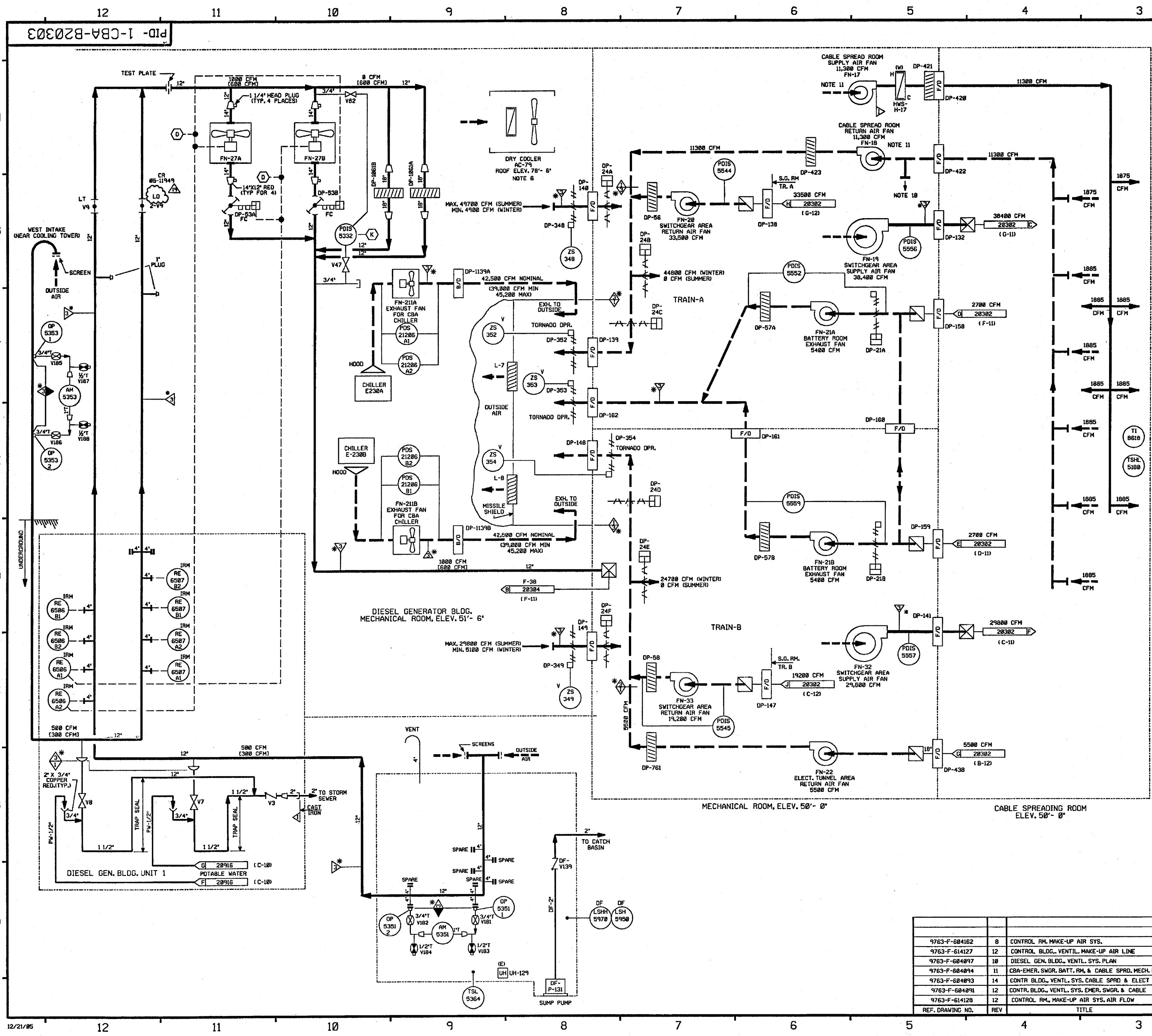
**HOT WATER HEATING SYSTEM  
DIESEL GENERATOR & CONTROL BUILDING  
DETAIL**

PID- 1-HW-B20053

FP-60772	4	RELIEF VALVE
9763-F-684183	9	DIESEL GEN & CONTROL BLDG HOT WTR HTG PAID
REV	REV	TITLE

07/21/04



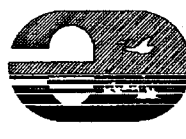


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS  
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- 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.  $\Delta$  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	4/22/87	BCS	JM	APL	INCCORP. CR 85-11949 REV. 00
18	4/27/85	JM	BCS	DJM	INCCORP. DCR 85-009 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 980039 DCM#00, 20 & 63
14	2/22/80	DWS	BCS	MPW	PARTIAL INCCORP. DCR 980039 DCM#63
13	2/11/80	DWS	BCS	MPW	PARTIAL INCCORP. DCR 980039 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 89-00 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 92-0 DELETED NOTE 2
2	2/24/87	JDM	PAL	MAC	INCCORP. ECA 99/115020B ADDED POTABLE WATER CONT. & FLOW RATES FOR AC-4A & B
1	8/26/86	BCL	DNK	RRC	ISSUED FOR OPERATIONS
0	3/4/86	DWS	WES	WFO	

**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
REF. DRAWING NO.	REV	TITLE			



- 1.) WORK THIS DRAWING WITH DRAWINGS B20308 & 129004 THRU B20309.
- 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

~~1111~~ ☐ PARALLEL MULTIBLADE DAMPER  
W/LIMIT SWITCH


~~AA~~ ☐ OPPOSED MULTIBLADE DAMPER  
W/LIMIT SWITCH

 BACKDRAFT DAMPER

X/D	DAMPER	F-FIRE
		B-BALANCING

 **FIXED LOUVER**

COOLING COIL.

 FILTER F-ROUGHING, PRE-FILTER  
A-HEPA  
C-CHARCOAL

 **E**  
ELECTRIC HEATING COIL

(X)  HEATING COIL W-WATER S-STEAM

(X)  
**UH** UNIT HEATER W-WATER  
S-STEAM  
E-ELECTRIC  
(Y)

**HU** HUMIDIFIER W-WATER

DUCTED SUPPLY  
DUCTED RETURN  
NON-DUCTED SUPPLY OR RETURN

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

4	1/6/99	BCS	—	<u>PLS</u>	<u>JPS</u>	<u>WML</u>	INCORP. M400 96-641 DCN-00
3	6/12/98	BCL	—	DWS	MPW	DJM	INCORP. M400 94-579 CA-2
2	2-5-90	HBL	LFC	APL	WCL	IV	INCORP. DCR 86-572A02, ADDED LEGEND NOTE
1	2-24-87	WDS	DWS	PAW	BCL	HAC	REVISED REF DWG REVISIONS INCORP. DCN 526
0	3-4-86	DWS	DJWS	WES	JKW	WFS	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CRWN	CHKD	CD	SEF	DESCRIPTION

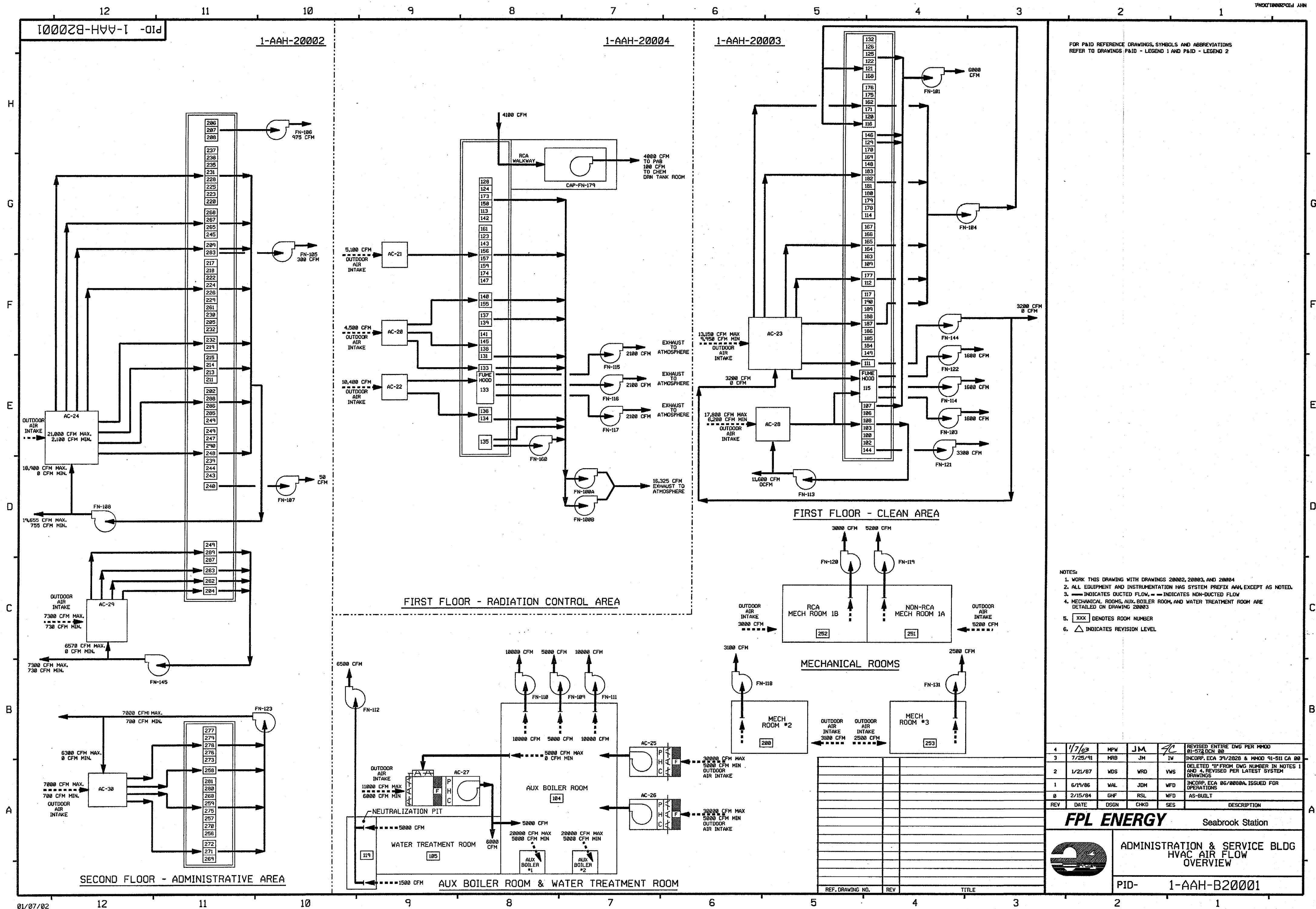
**North Atlantic** Energy Service Corporation

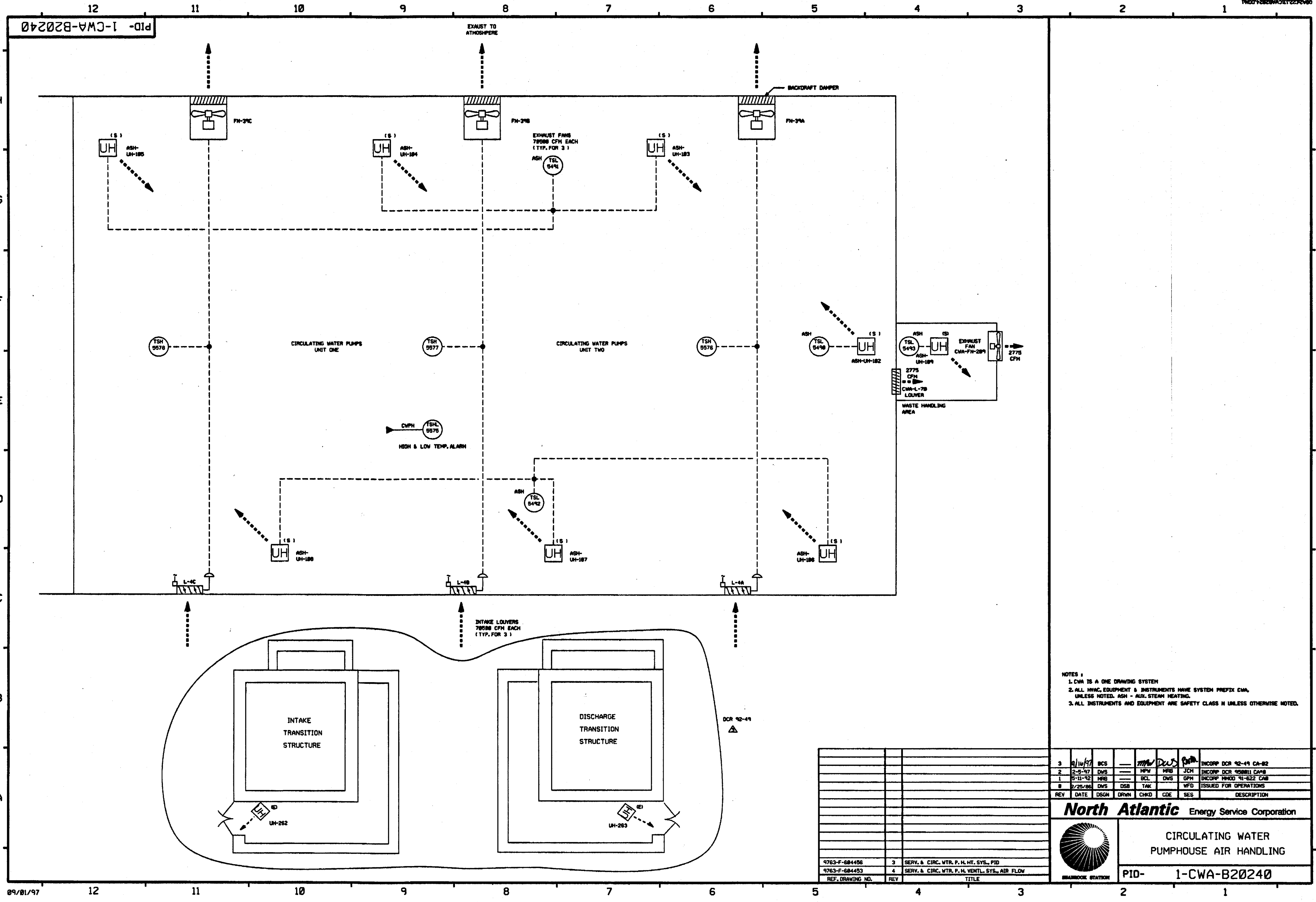


CONTROL BUILDING AIR HANDLING  
EMERGENCY SWITCHGEAR AREA  
DETAIL

PID- 1-CBA-B20302

9733-F-604095	13	CBA EMERG. SWGR. & BATT. ROOMS PLAN
9763-F-604091	12	CONTROL BLDG. VENT. SYS. AIR FLOW DIA
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.

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NOTES:

1. ALL EQUIPMENT, COMPONENTS, & INSTRUMENTS HAVE SYSTEM PREFIX SVA UNLESS OTHERWISE NOTED.
2. THE SVA 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 NMS UNLESS OTHERWISE NOTED.
5.  INDICATES REVISION LEVEL.
6. THIS UNIT 2 EQUIPMENT IS NEEDED FOR UNIT 1 OPERATION.

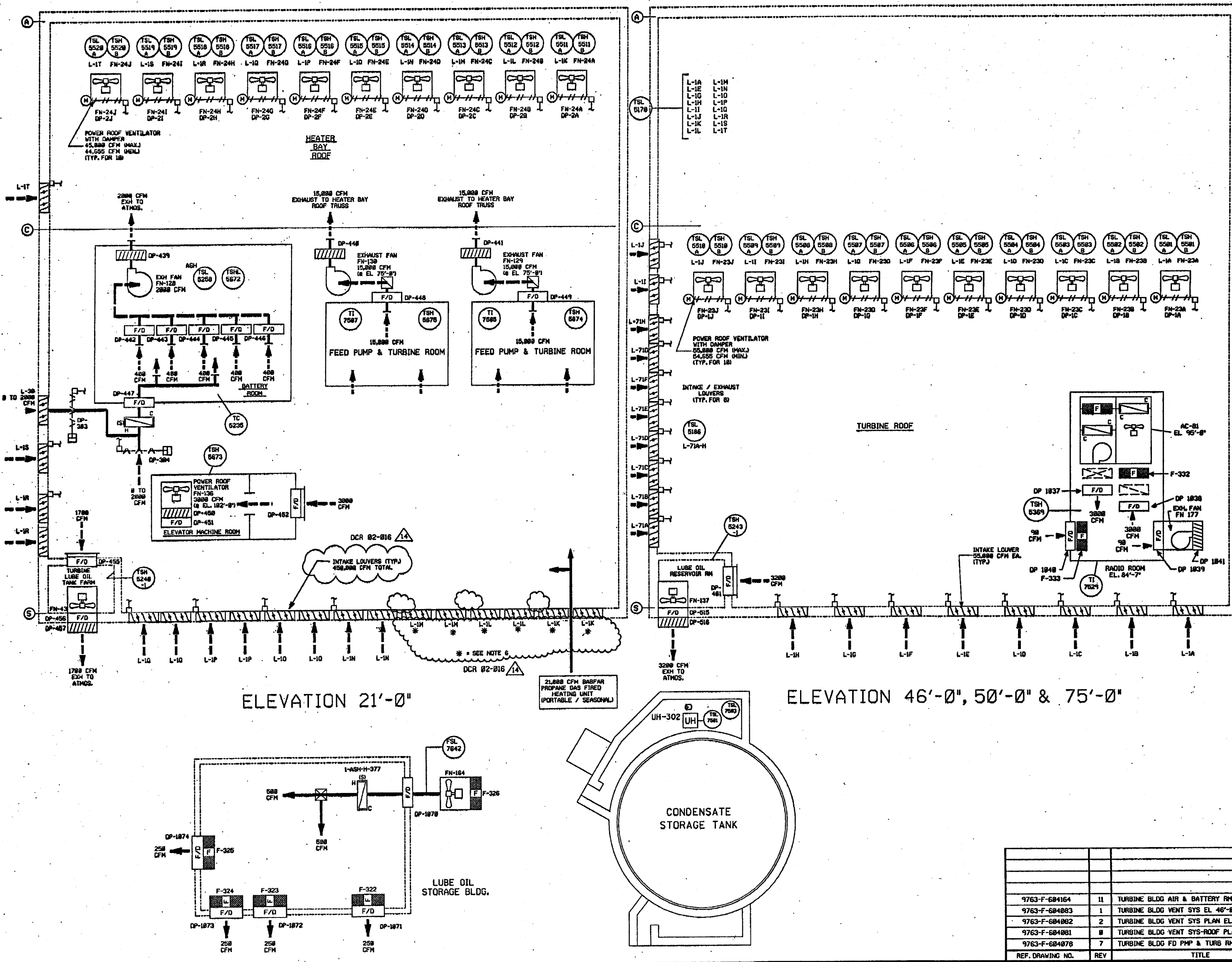
7	5/19/83	JM	BCL	MPW	VMS	INCORP. CDR 93-03199 REV. 00 RE-INCORP. CDR 93-041 CA 01 & REVISED DAMPER TO
6	6/14/79	BCL	MPW	VMS	INCORP. MMHD 94-578 CA 01	
5	12/9/94	BCL	MPW	VMS	INCORP. MMHD 94-580 CA 01	
4	3/31/93	MRB	BCL	JCH	INCORP. MMHD 92-553 CA 01	
3	9/24/78	MRB	JM	BCL	INCORP. MMHD 98-516 CA 01 REVISED NOTE 4 PER ENGINEERING DESIGN STANDARD 37188 SECT. 3.8 ADDED LEGEND NOTE	
2	8/2/58	MPW	PAL	MAC	REVERSED TI NO'S PER M-506944 REV 4 & INCORP. ECA 99/101812A	
1	2/24/87	WDS	PAL	MAC	INCORP. ECR 826, ADDED TI-5683 PER M-506844	
0	4-24-86	JS	JKM	WFD	ISSUED FOR OPERATIONS	
REV	DATE	DSGN	CHKD	CE	DESCRIPTION	

05/07/03 12 11 10 9 8 7 6 5 4 3 2 1



PID-1-TAH-B20170

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 28171 AND 28172.  
3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS AHS UNLESS NOTED.  
4. LEGEND:  
— DUCTED SUPPLY  
— DUCTED RETURN  
- - - NON DUCTED SUPPLY OR RETURN  
S - SUCTION PIPING  
L - LIQUID PIPING  
5. INDICATES REVISION LEVEL  
6. INTAKE LOUVERS L-1K, L-1L AND L-1M ARE BLANKED OFF AND NON-FUNCTIONAL.  
DCR 92-016

14	4-2-85	BCS	JM	PER	INCORP DCR 92-16 DCH-12
13	11/21/84	BCS	JM	RRB	INCORP MSE 94-155 REV 00
12	10/15/84	BCS	JM	RRB	INCORP ECA 96/982135J & CR 98-03688 REV 00
11	2/13/83	BCS	JM	TWO	INCORP DCR 98-004 DCH-03
10	2/13/83	BCS	MPV	JM	INCORP MSE 92-000 REV 00
9	7/28/81	MPV	JM	MRB	INCORP MSE 98-0042 DCH 00
8	6/15/80	BCS	MPV	JCM	INCORP DCR-98-041 DCH-00
7	12/1/79	BCS	MPV	JCM	PARTIAL INCORP DCR-98-041 DCH-00
6	10/23/78	BCL	MPV	GRM	INCORP DCR-94-027 CAB
5	7/17/82	MRB	DWS	TM	INCORP MMD0 92-532 CAB
4	10/12/78	MRB	RMC	ES	INCORP DCR 87-138 CAB REV. NOTE 3 PER NHT ENG DESIGN STD 37000 SECT. 3.8
3	11/22/81	MRB	PAL	BER	INCORP DCR 86-510 CA DELETED VALVE TAG PREFIX
2	4/5/89	GPM	PAL	DEK	INCORPORATED DCR 86-552, CAB2
1	2/24/87	PAL	MPV	HAC	CORRECTED DRAFTING ERROR, ADDED NOTE 5 & REF. DRAWING NOTE.
REV	DATE	DSGN	CHKD	CE	ISSUED FOR OPERATIONS
					DESCRIPTION

**FPL ENERGY** Seabrook Station

**TURBINE BUILDING  
AIR HANDLING  
DETAIL**

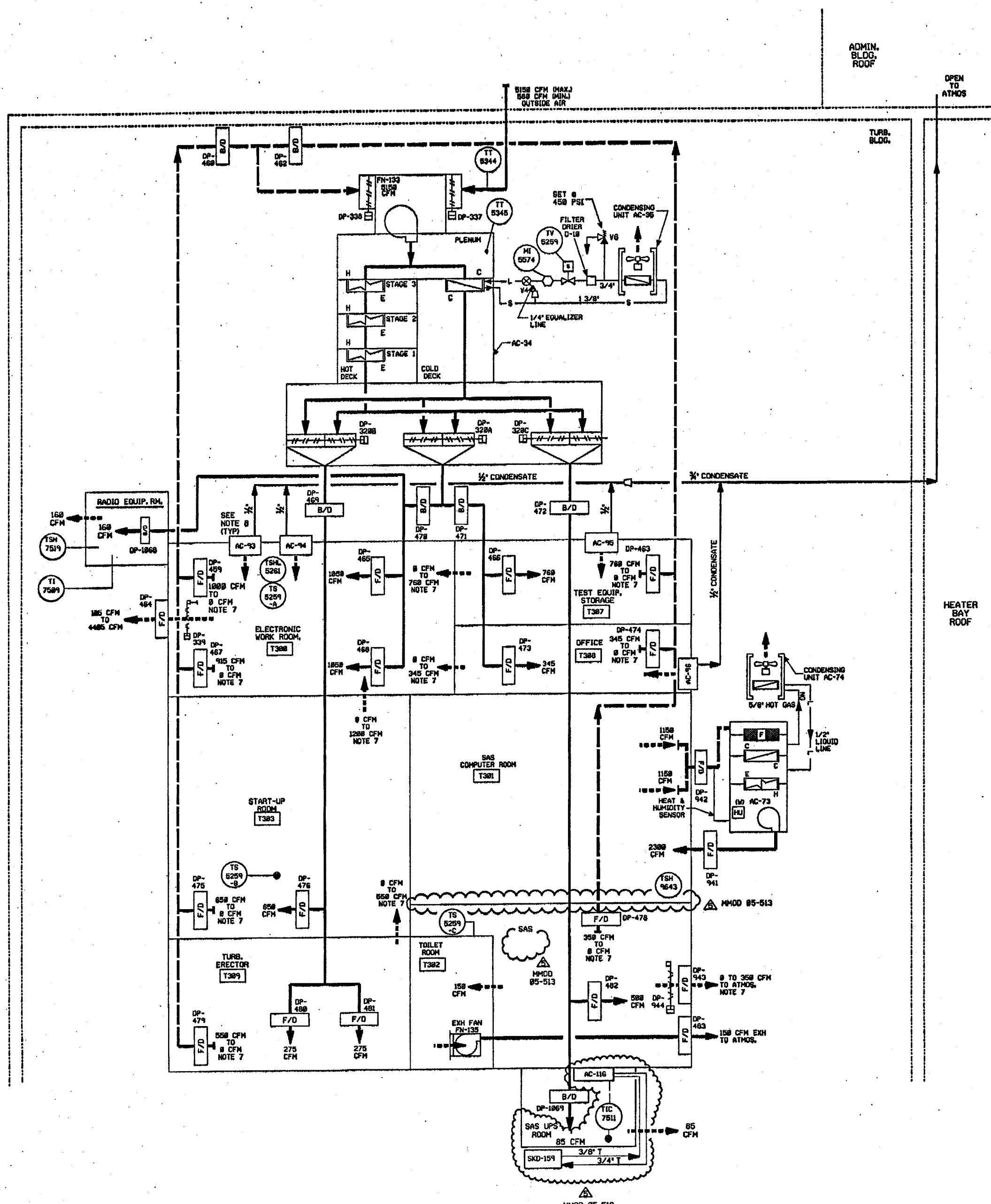
PID- 1-TAH-B20170

REF. DRAWING NO.	REV	TITLE
9763-F-684164	11	TURBINE BLDG AIR & BATTERY RM VENT
9763-F-684083	1	TURBINE BLDG VENT SYS EL 46'-0" & 50'-0"
9763-F-684082	2	TURBINE BLDG VENT SYS PLAN EL 21'-0"
9763-F-684081	8	TURBINE BLDG VENT SYS-ROOF PLAN
9763-F-684078	7	TURBINE BLDG FD PMP & TURB RM MSPV VENT



PID-1-TAH-B20172

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



- NOTES:
- ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX  
TAH UNLESS NOTED OTHERWISE.
  - WORK THIS DWG. WITH DWG. 28178 AND 28171
  - ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY  
CLASS MMS UNLESS NOTED OTHERWISE.
  - LEGEND:
  - INDICATES REVISION LEVEL.
  - INDICATES ROOM NUMBER.
  - FLOWS INCREASE OR DECREASE WITHIN THE LIMITS NOTED IN PROPORTION TO  
THE AMOUNT OF OUTSIDE AIR PROVIDED  
THROUGH MODULATING DAMPER 1-TAH-DP-337.
  - 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.

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
5	12/13/05	JM	BSC	TW	INCCORP MMOD 95-513 DCH 88
4	2/5/04	BCS	JM	TW	INCCORP DCR 88089 REV. 03
3	5/7/99	DWS	BCS	HMM	INCCORP MMOD 970618 DCH 88
2	12/19/95	MPW	HMM	CWL	INCCORP MMOD 95-550, CAB
1	5/26/93	MRB	BCL	MPW	INCCORP DCR 92-26, CAB
0	7/14/92	MPW	MRB	BCL	ISSUED FOR OPERATIONS

**FPL ENERGY** Seabrook Station

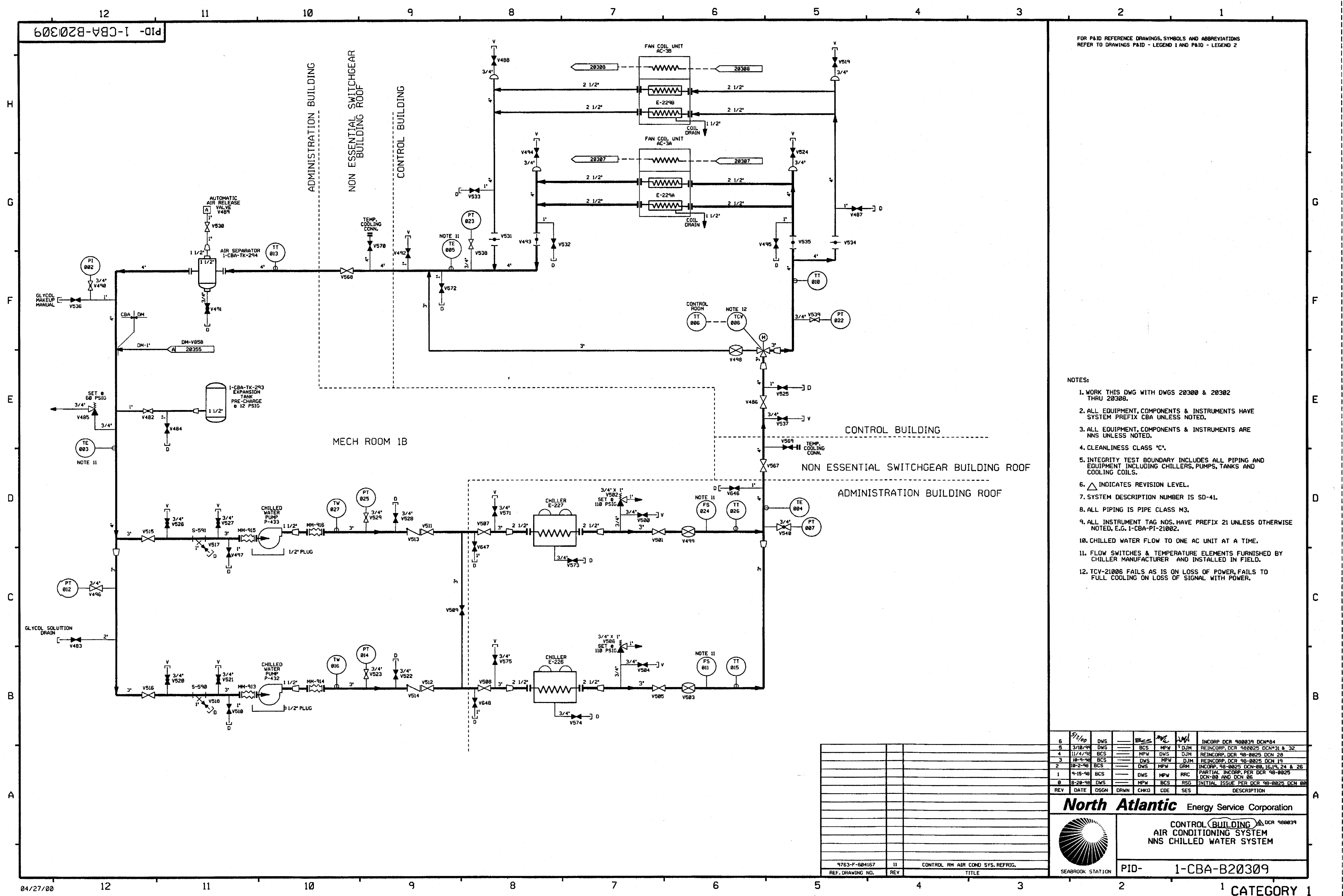


TURBINE BUILDING  
AIR HANDLING  
DETAIL

PID- 1-TAH-B20172

REF. DRAWING NO.	REV	TITLE
9763-F-684164	11	TURBINE BLDG AIR & BATTERY RM VENT

12/12/05



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.  $\Delta$  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	5/2/00	DWS	BCS	MPW	DJM	INCCORP DCR 980039 DCN#24
5	3/10/98	DWS	BCS	MPW	DJM	REINCCORP DCR 980025 DCN#31 & 32
4	11/4/98	BCS	MPW	DWS	DJM	REINCCORP DCR 98-0025 DCN 28
3	10-4-98	BCS	DWS	MPW	DJM	REINCCORP DCR 98-0025 DCN 19
2	10-2-98	BCS	DWS	MPW	DJM	INCCORP 98-0025 DCN-00, 16, 19, 24 & 26
1	9-15-98	BCS	DWS	MPW	RRC	PARTIAL INCCORP 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

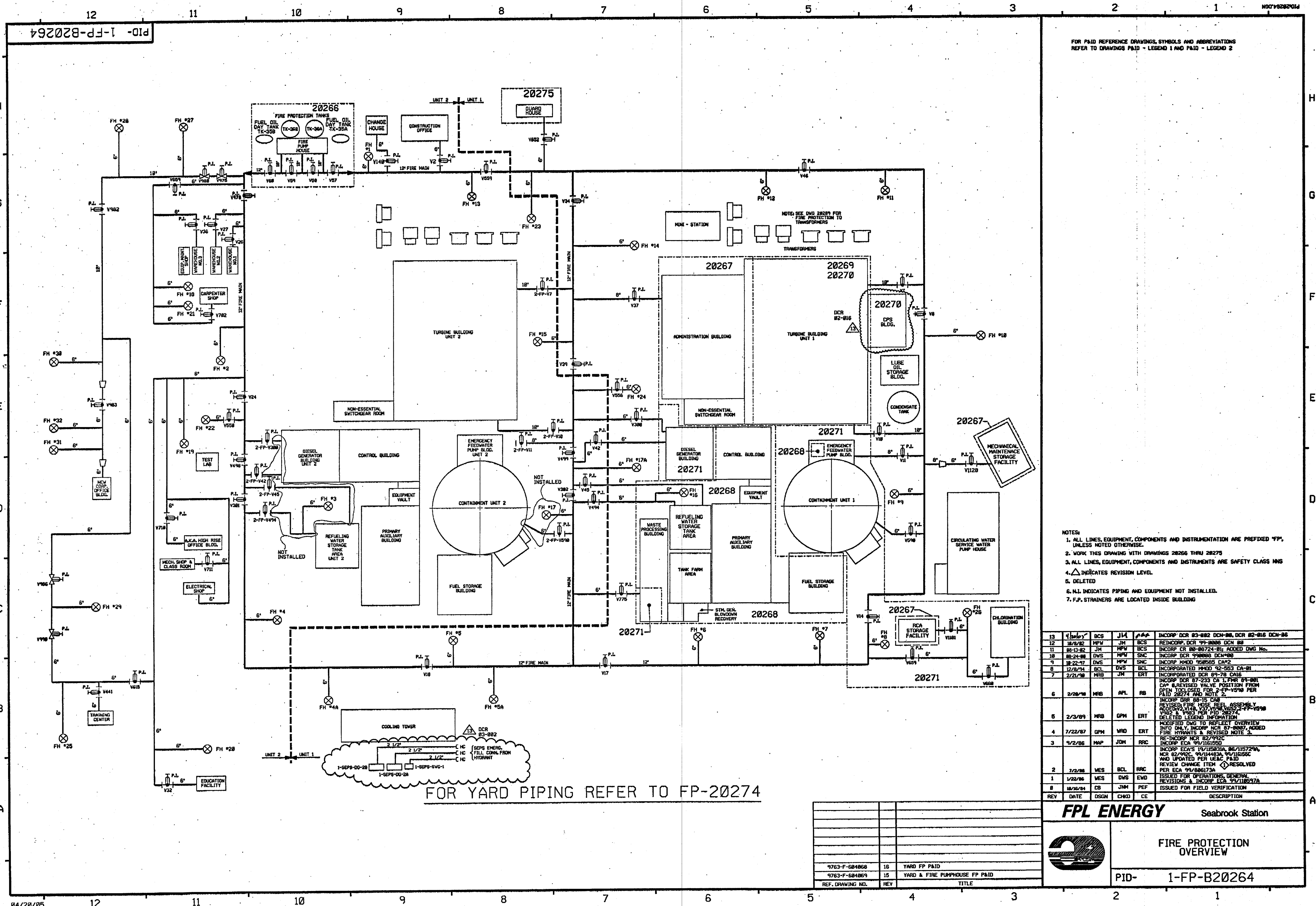
CONTROL BUILDING AIR CONDITIONING SYSTEM  
NNS CHILLED WATER SYSTEM

DCR 980039

PID- 1-CBA-B20309

9763-F-604167	II	CONTROL RM AIR COND SYS, REFRIG.
REF. DRAWING NO.	REV	TITLE







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

- NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX FP, UNLESS NOTED OTHERWISE.
  2. DELETED
  3. DELETED
  4. STANDPIPE SYSTEM WITHIN CONTAINMENT SHALL BE DRAINED PRIOR TO OPERATION OF UNIT. VALVE MUST BE CLOSED IN MODE 1,2,3,4 AND CAN BE OPENED IN MODE 5.
  5. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
  6. SEE DETAIL A, DWG. 20272.
  7. SEE DETAIL B, DWG. 20272.
  8. SEE DETAIL C, DWG. 20272.
  9.  $\Delta$  INDICATES REVISION LEVEL.
  10. DELETED
  11. DELETED
  12. DELETED
  13. DELETED
  14. DELETED

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

20	10/2/00	BCS	JM	DMO	INCORP DCR 99-13, DCN-00
19	3/16/05	BCS	JM	DMO	INCORP DCR 99-13, DCN-00 (PARTIAL)
18	8/28/03	BCS	MPW	ERT	RE-INCORP ECA 99/1482A
17	7/26/03	BCS	JM	MPW	RE-INCORP ECA 99/1482A
16	1/7/02	BCS	JM	ERT	INCORP DCR 98-0894 DCN-00, 02
15	8/3/00	BCS	MPW	AJK	INCORP MSE 99-328 REV. 8, ECA 99/1482A
14	6/2/98	DRL	MPW	VWS	INCORP MMD 96-558 DCN 02 & MMD 97-521 DCN 00
13	8/18/97	MPW	BCS	VWS	INCORP MMD 96-558 DCN 01
12	6/7/97	MPW	DWS	BAB	INCORP DCR 96-31 DCN-02
11	3/28/94	DWS	BCL	JCM	INCORP DCR 920012 CA-00
10	4/17/92	MRG	DWS	RRB	INCORP MMD 91-515 CA0
9	10/25/90	MRG	JM	ERT	INCORP DCR 89-41 REV 1 DELETED OPEN ITEM ABOVE AND NOTES 11 & 13 PER REVISED NOTE 3 ADDED FLOW SWITCHES PER RES 88-427
8	6/23/89	MRG	PAL	ERT	INCORPORATED DCR 89-41 REV 8 DELETED FIRE NOSE LEGEND
7	10/7/88	GPM	APL	ERT	INCORP DCR 86-715 CA 02 ADDED: NOTE 14
6	5/16/88	DWS	GPM	ERT	ADDED: CHANGE ITEM-2 REVISED: VALVE NOS FROM V8006, 7 TO V8040, 58 DELETED: NNS-1 DESIGNATION
5	9/8/87	GPM	MRJ	ERT	INCORP DCR 87-270 REVISED: NOTE 5, CONT DWG NO. ADDED: NOTE 13, CHANGE ITEM 1 OR BOUNDARIES.
4	12/30/86	MPW	WRD	DCM	ADDED: MPW SPRINKLER SYS. NOS. PER FP-4850, REVISED DWG. CONTIN. REF'S REMOVED SPRINKLERS FOR CABLE SPREADING AREA ADDED: NOTES 10 & 12 AND RELEV ELEC. TUNNEL AND PAB PER ENG. COMMENTS CORRECTED DRAFTING ERRORS.
3	9/2/86	MAP	PAL	RRR	INCORP ECA 83/114381A, 99/117673A
2	6/27/86	JDM	BCL	RRR	INCORP NCR 82/992C, ECA 99/100188 APPROVED CHANGE ITEM NUMBERS 2,3,4,5 BY DETAILING VENDOR PIPING ADDED VALVE NOS. & PT NOS.
1	1/22/86	WES	DWS	END	ISSUED FOR OPERATIONS GENERAL REVISIONS
0	10/16/84	CB	JNM	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY** Seabrook Station

**FIRE PROTECTION  
DETAILS**

PID- 1-FP-B20271

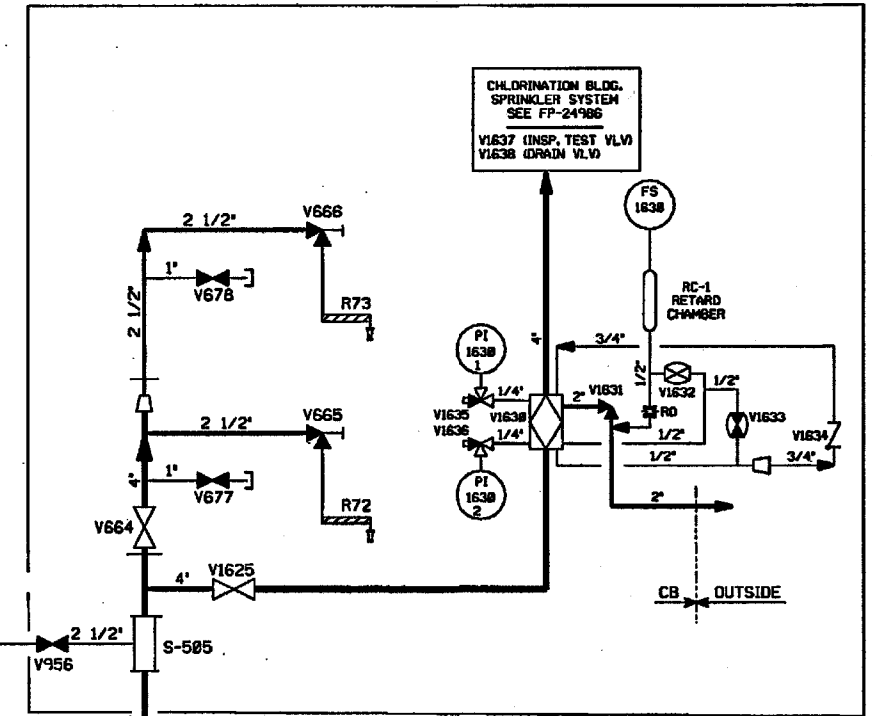
REF. DRAWING NO.	REV	TITLE
9763-F-605175	8	CONT. STRUCT. PIPING ZONE 26A
9763-F-604520	2	WASTE PROCESSING BLDG. FIRE PROT. SYS.
9763-F-604068	10	YARD FIRE PROTECTION PAID
9763-F-604146	10	FIRE PROTECTION SYS. STANDPIPE DIAGRAMS
9763-F-604462	3	CHLOR. BLDG. FIRE PROTECTION PIPING

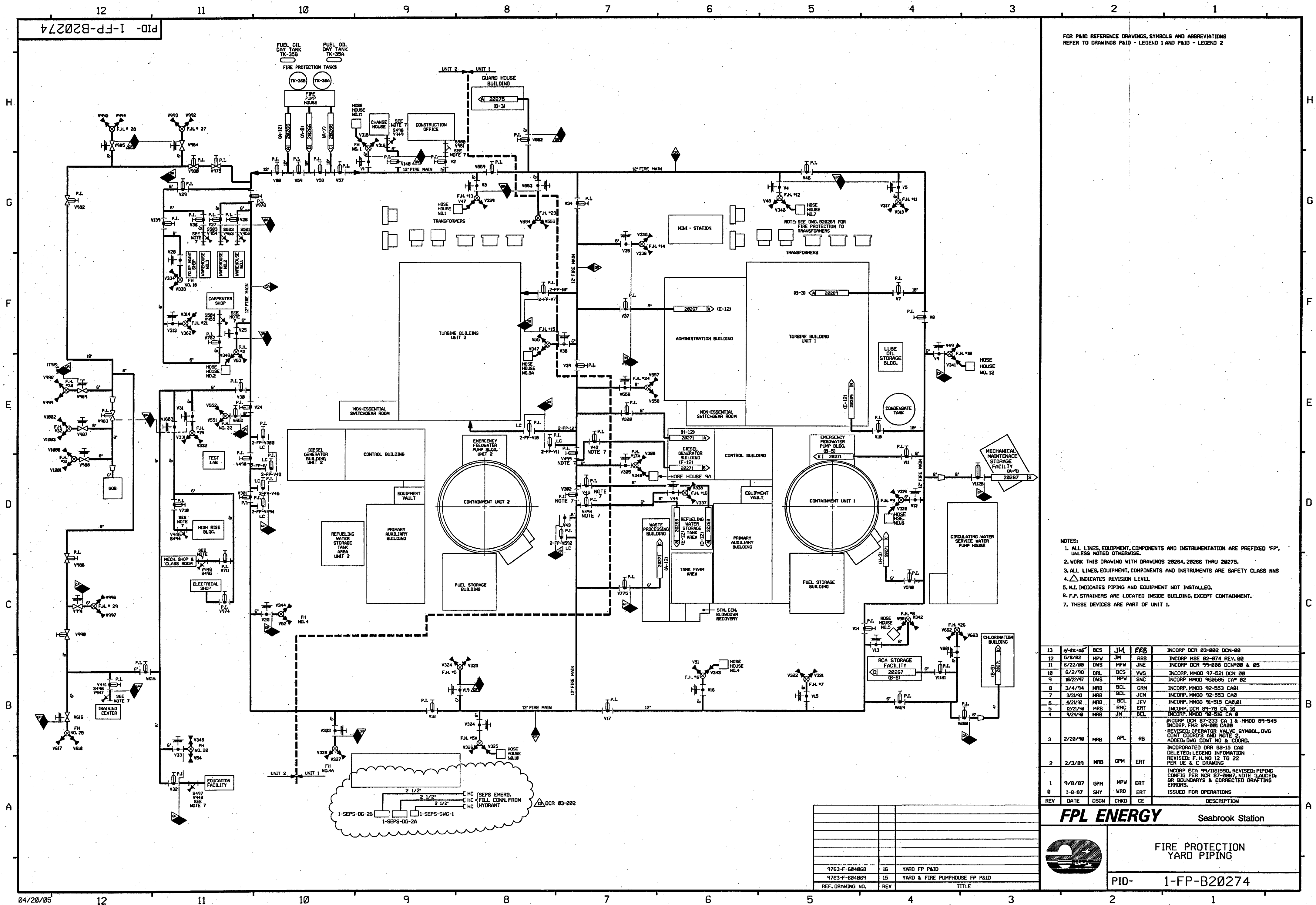
CONTAINMENT BLDG. DRY STANDPIPE DIAGRAM

SPRINKLER DRAINS			
V1574	V1562	V1569	V1552
V1573	V1561	V1568	V1572
V1567	V1560	V1567	V1571
V1558	V1559	V1566	V1570
V1563	V1556	V1565	
V1564	V1555	V1554	
V1590	V1550	V1553	
V1599	V1551		

SPRINKLER DRAINS			
V1591	V1577	V1576	V1587
V1592	V1578	V1583	V1588
V1593	V1581	V1584	V1589
V1594	V1582	V1585	V1590
V1596		V1586	V1580
V1597		V1588	V1579

DIAGRAM OF ELECTRICAL TUNNEL AREA  
EMERGENCY FEEDWATER PUMP BLDG.



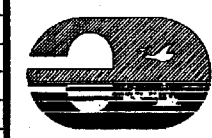


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS  
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION ARE PREFIXED "FP", UNLESS NOTED OTHERWISE.
  2. WORK THIS DRAWING WITH DRAWINGS 20264, 20266 THRU 20275.
  3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS.
  4.  $\Delta$  INDICATES REVISION LEVEL.
  5. N.I. INDICATES PIPING AND EQUIPMENT NOT INSTALLED.
  6. F.P. STRAINERS ARE LOCATED INSIDE BUILDING, EXCEPT CONTAINMENT.
  7. THESE DEVICES ARE PART OF UNIT 1.

13	4-22-05	BCS	JM	RRB	INCORP DCR 83-002 DCN-00
12	5/8/02	MPW	JM	RRB	INCORP MSE 82-074 REV. 00
11	6/22/00	DWS	MPW	JNE	INCORP DCR 99-008 DCN#00 & 05
10	6/2/98	DRL	BCS	VWS	INCORP MM00 97-521 DCN 00
9	10/22/97	DWS	MPW	SNC	INCORP MM00 950505 CA# 02
8	3/4/94	MRB	BCL	GRM	INCORP MM00 92-553 CA01
7	3/3/93	MRB	BCL	JCM	INCORP MM00 92-553 CA00
6	4/21/92	MRB	BCL	JEV	INCORP MM00 91-515 CA0.01
5	12/21/90	MRB	RMC	ERT	INCORP DCR 89-78 CA 16
4	9/24/88	MRB	JM	BCL	INCORP MM00 90-516 CA 0
					INCORP DCR 87-233 CA 1 & MM00 89-545
					INCORP FMR 89-001 CA08
					REVISED OPERATOR VALVE SYMBOL, DWG
					CONT COORDS AND NOTE 2
					ADDED: DWG CONT NO & COORD.
					INCORPORATED DCR 88-15 CA0
					DELETED LEGEND INFORMATION
					REVISED: F.H. NO 12 TO 22
					PER UE & C DRAWING
					INCORP ECA 99/1161550, REVISED: PIPING
					CONFIG PER NCR 87-0007, NOTE 3, ADDED
					OR BOUNDARY & CORRECTED DRAFTING
					ERRORS.
					ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY** Seabrook Station



FIRE PROTECTION  
YARD PIPING

PID- 1-FP-B20274

REF. DRAWING NO.	REV	TITLE
9763-F-604068	16	YARD FP P&ID
9763-F-604069	15	YARD & FIRE PUMPHOUSE FP P&ID

PID-1-FP-B20266

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

NOTES:

1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYS. PREFIX FP, UNLESS NOTED OTHERWISE.
2. WORK THIS DRAWING WITH DRAWINGS 28264 AND 28267 THRU 28272.
3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NMS, UNLESS NOTED OTHERWISE.
4. DELETED
5. SEE DETAIL "D" DWG. 28272.
6.  $\Delta$  INDICATES REVISION LEVEL.
7. DELETED

8. -OR- CALIBRATION ONLY
9. VENTS & DRAIN TAP OR BOUNDARY ARE AT THE DOWN STREAM END OF THE OUTER ISOLATION VALVE.

22	12/30/99	BCS	JM	282	INCORP. CR 82-13172 REV. 00
21	6/11/93	JM	BCS	MPW	INCORP. CR 83-00751 REV. 00
20	8/13/82	JM	MPW	BCS	INCORP. CR 80-82311-01
19	10/15/81	JM	BCS	JCM	INCORP. CR 81-04266-01
18	5/26/80	BCS	MPW	JCM	INCORP. DCR 98-24 DCM 10
17	4/28/80	BCS	MPW	JCM	INCORP. DCR 98-24 DCM 00, 02, 03, 07
16	2/23/80	BCS	DWS	JCM	PARTIAL INCORP. DCR 98-24 DCM 00
15	1/28/79	BCS	DWS	JCM	INCORP. MMD 98-534 DCM 00
14	10/30/78	MPW	BCS	DJM	INCORP. MMD 97-534 DCM 00
13	11/25/77	BCS	MRB	ETM	INCORP. DCR 97-23 DCM-0
12	5/2/76	BCS	DWS	JCM	INCORP. DCR 95-18 CA-0
11	3/5/75	BCL	JCM	MPW	INCORP. MMD 94-514 CA-0
10	3/8/74	MRB	BGL	JCM	INCORP. MMD 92-553 CA-0 & MMD 93-553 CA-0
9	12/13/73	MRB	BCL	RSC	INCORP. DCR 86-140 CA 04
8	11/1/73	BCL	DWS	JCM	INCORP. MMD 93-501 CA-0
7	10/25/70	MRB	JM	ERT	INCORP. DCR 89-41 REV. 01
6	5/22/69	GPM	MRB	ERT	INCORP. DCR 86-325 CA 01 & DCR 89-41 REVISED PIPING TO CLARIFY DUPLICATION OF SYSTEM INTERFACES
5	8/20/67	GPM	MRJ	ERT	ADDED CONT. COORDS. DELETED NOTE 4 AND ITEM IN THE ILL.
4	8/4/67	MRJ	DWS	ERT	ADDED VALVES PER AS-INSTALLED CONDITIONS, REVISED SYMBOL FOR CHAIN OPERATED VALVES.
3	10/17/66	MPW	BCL	RRR	ADDED CONT. REF. LOCATIONS, DELETED NOTE 7, REVISED INSTR. LOCATION PER ERECTION ISO. VALVE NDS PER UELC PAID. CORRECTED DRAINING ERRORS. LISTED ECA 99/116330A & DR 95/0068 IN ILL.
2	8/24/66	DWS	VNK	RRR	CHANGE ITEMS 1, 2, 3, 4, 6 & 7 RESOLVED PER ECA 12/116330A, 99/116330A, DR 95/0068, OPS. AS-MADE FUEL OIL CONT. & REV'D PI CONT.
1	1/22/66	WES	DWS	EWD	ISSUED FOR OPERATIONS, GENERAL REVISIONS INCORPORATED ECA'S 99/17638, 99/02708 82/106000E
0	10/16/64	CB	JNM	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

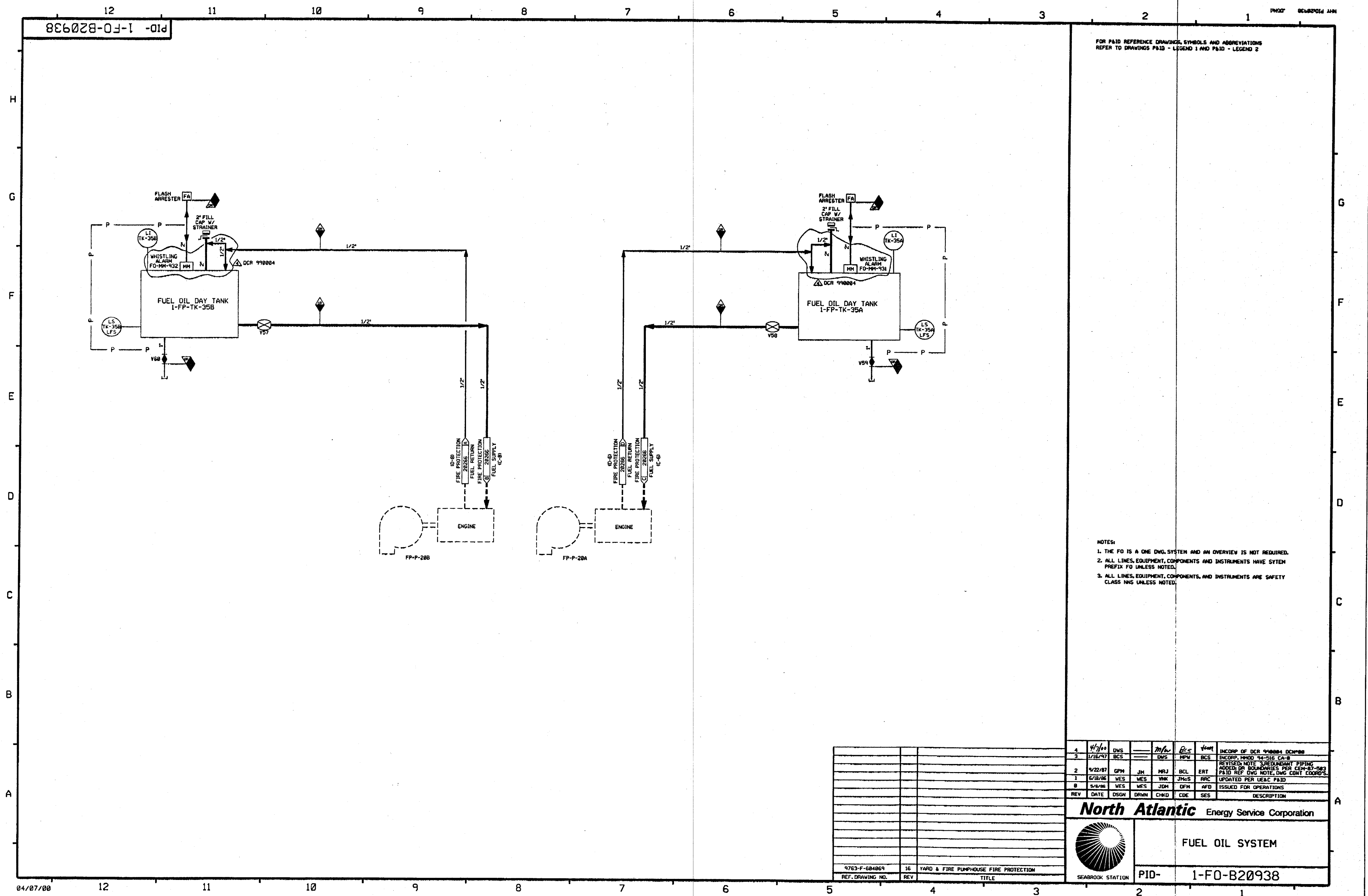
Seabrook Station



FIRE PROTECTION  
FIRE PUMP HOUSE  
DETAIL

PID- 1-FP-B20266

REF. DRAWING NO.	REV	TITLE
9763-F-604069	18	YARD & FIRE PUMP HOUSE PIPING DIAGRAM





NOTES:

1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION ARE PREFIXED "FP", UNLESS NOTED OTHERWISE.
2. WORK THIS DRAWING WITH DRAWINGS 28264, 28266, 28267, 28268, 28276, 28271 THRU 28274.
3. DELETED
4. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
5. SEE DETAILS ON PID FP-28272.
6.  $\triangle$  INDICATES REVISION LEVEL.
7. DELETED
8. DELETED
9.  $\diamond$  INDICATES DWG. CHANGE ITEM NUMBER.
10. VENT, DRAIN & INSTRUMENT TAPS OR BOUNDARY ARE AT THE DOWNSTREAM END OF THE OUTER ISO 101 TIAL VALVE.
11. SEE DETAIL 1" ON DWG. 28272.

**FPL ENERGY** Seabrook Station

FIRE PROTECTION  
TURBINE BUILDING  
DETAIL  
SHEET 1 OF 2

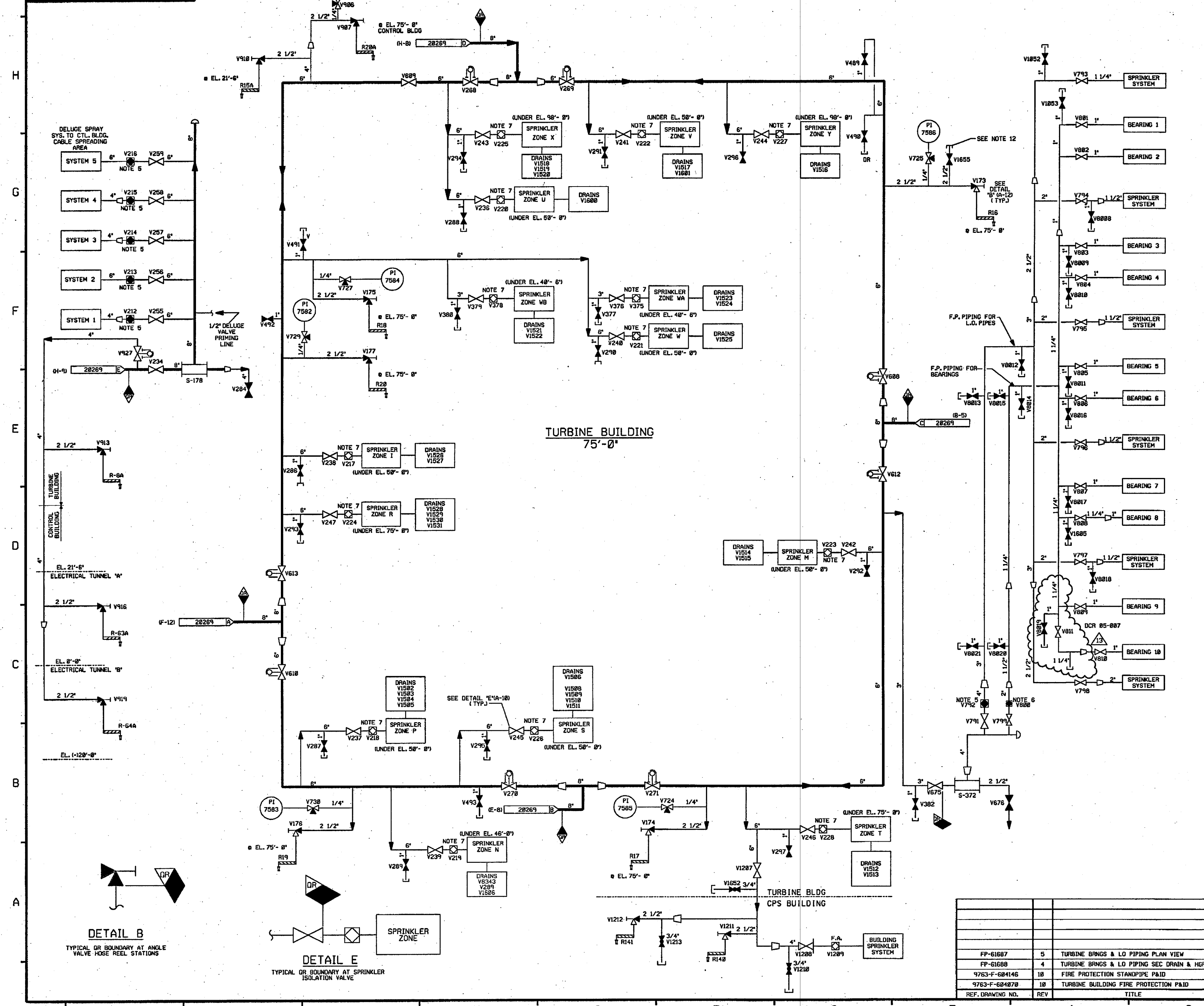
PID- 1-FP-B20269

9763-F-604076	10	TURBINE BLDG FIRE PROTECTION P&
REF. DRAWING NO.	REV.	TITLE



PID-1-FP-B20270

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



- NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION ARE PREFIXED "FP", UNLESS NOTED OTHERWISE.
  2. WORK THIS DRAWING WITH DRAWINGS 28264, 28266 THRU 28269, 28271 THRU 28274
  3. DELETED.
  4. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
  5. SEE DETAIL "A" DWG. 28272.
  6. SEE DETAIL "C" DWG. 28272.
  7. SEE DETAIL "D" DWG. 28272.
  8.  $\Delta$  INDICATES REVISION LEVEL.
  9. DELETED.
  10.  $\diamond$  INDICATES DRAWING CHANGE ITEM NUMBER.
  11. VENTS, DRAINS & INSTRUMENT TAPS OR BOUNDARY ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE.
  12. PIPE IS CAPPED WHEN NOT CONNECTED BY HOSE TO OFFICE TRAILER SPRINKLER SYSTEM BY STATION PROCEDURE.

13	11/6/06	BCS	JM	RRB	INCORP DCR 05-007 DCM-28
12	10/15/06	BCS	JM	RRB	INCORP DCR 05-007 DCM-00
11	4/21/06	JM	RRB	JMJ	INCORP MSE 05-194 REV. 00
10	3/16/06	BCS	JM	DMQ	INCORP DCR 99-13 DCM-00
9	4/26/05	BCS	GPS	PAL	INCORP DCR 02-0016 DCM-06 & 15.
8	9/16/04	BCS	JM	PAL	PARTIAL INCORP DCR 02-0016 DCM-06
7	6/9/99	DWS	RWS	DJM	INCORP MMOD 970618 DCM-00
6	4/28/92	MRB	DWS	JEV	INCORP MMOD 91-515 C&B
5	10/19/90	MRB	JM	ERT	INCORP DRR 89-41 REV. 01 DELETED NOTE 9 AND OPEN ITEM ABOVE PER REVISED NOTE 3
4	6/23/89	MRB	PAL	ERT	REVISED VALVE NO. FROM V52 TO V1852, V53 TO V1853, NOTE 3 & 4. ADDED OR BOUNDARIES. NOTE 10 & 11 CHANGE ITEM 1, DETAILS 8 & E AND CONT. COORDS.
3	9/8/87	MRB/DM	MRJ	ERT	REVISED FLOW VALVE SYMBOL PER ENG. COMMENTS, CHAIN OPERATED SYMBOL PER PAID LEGEND, ADDED ELEV. AND NOTE 9 CHANGED FLOW ALARM VALVE TO SPRINKLER VALVE. REVISED PER PIPING DIRECTION ISO. REVISED PER FP-61687 & FP-61688. ADDED VALVE NO'S INCORP ECA 17/11/1998, DELETED CHANGE ITEMS.
2	12/30/86	MAP	WRD	GPM	ISSUED FOR OPERATIONS
1	1/22/86	WES	DWS	END	GENERAL REVISIONS
0	10/16/84	CB	JNM	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY**

Seabrook Station

**FIRE PROTECTION  
TURBINE BUILDING  
DETAIL  
SHEET 2 OF 2**

PID- 1-FP-B20270



- NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION ARE PREFIXED "FP", UNLESS NOTED OTHERWISE.
  2. WORK THIS DRAWING WITH DRAWINGS 2826A, 2826G, 2826T & 2826V THRU 2827S.
  3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
  4.  $\Delta$  INDICATES REVISION LEVEL.
  5. DELETED
  6. DELETED
  7. VALVE 928 TO BE NORMALLY CLOSED DURING PERIODS OF FREEZING TEMP. HOSE RACK 31 IS DRY STAMPODE DURING THESE PERIODS.
  8. VENTS, DRAINS & INSTRUMENT TAPS OR BOUNDARY ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE.
  9. CONNECTION FOR EMERGENCY MAKE-UP TO CST USING TEMPORARY HOSE (CST HAS 6")

15	3/16/06	BCS	JW	DW	INCORP DCR 99-13 DCN-08
14	7/27/08	BCS	MPW	HWM	INCORP DCR 98-085 DCN-07
13	3/3/08	BCS	MPW	MKC	PARTIAL INCORP DCR 98-085 DCN-06, 04, 05
12	11/4/98	MPW	BCS	MAP	INCORP DCR 96-25 DCN 02
11	8/2/98	DRL	MPW	DVS	INCORP MMOD 96-558 DCN-02
10	5/27/97	MRB	DWS	RBB	INCORP DCR 96-25 DCN 01
9	3/1/94	MRB	BCL	DJM	INCORP MMOD 92-563 CAB1
8	4/15/93	BCL	MRB	GRM	INCORP MMOD 92-576 CAB
7	4/28/92	MRB	DWS	RBB	INCORP MMOD 91-515 CAB
6	4/3/98	MRB	APL	PJT	INCORP.DRR 98-332 REV 00 & MADE MINOR DRAFTING ENHANCEMENTS
5	1/25/89	GFM	MRB	ERT	INCORP DCR 88-004 CAB1
4	9/28/87	GFM	MPW	EAT	DELETED: MITO REF DWG REVISED: LINE CONT., NOTE 3, ROOM TITLE, VLY NO. & LABEL ADDED OR BOUNDARIES, DETAIL "A" NOTE 8, ROOM TITLES, CHANGING ITEMS 2 & 3, FUND DATA, CONT. COORD.
					ADDED NOTES 6 & 7, REVISED CONT. REFERENCES, ADDED BLOC, BOUNDARY, REVISED PIPING AND ADDED BUILDING SOUNDING INFO PER USAC P&ID AND PIPING ERECTION ISSUES AND DRAWING LOCATION COORDS, REVISED VALVE NO. V849 TO V848 WAS IN ERROR
3	12/30/86	MAP	WRD	DCM	
2	9/12/86	DWS	BCL	RRC	APPROVED CHANGING ITEM NO.3, 4 & 6 PER NEW LE & 2 REVISED REV. UPDATE REV DNG REVISION & REVISED DWG ACCORDINGLY INCORP. 85A 17/02/86/87/88/89
1	1/22/86	WES	DWS	END	ISSUED FOR OPERATIONS GENERAL REVISIONS AND INCORP. ECA 86/01/86/87, 18/12/86/87, 17/02/88/89
0	18/16/84	DSN	JHM	PEF	ISSUED FOR FIELD VERIFICATION
REV DATE	CON	CHKD	CE		DESCRIPTION

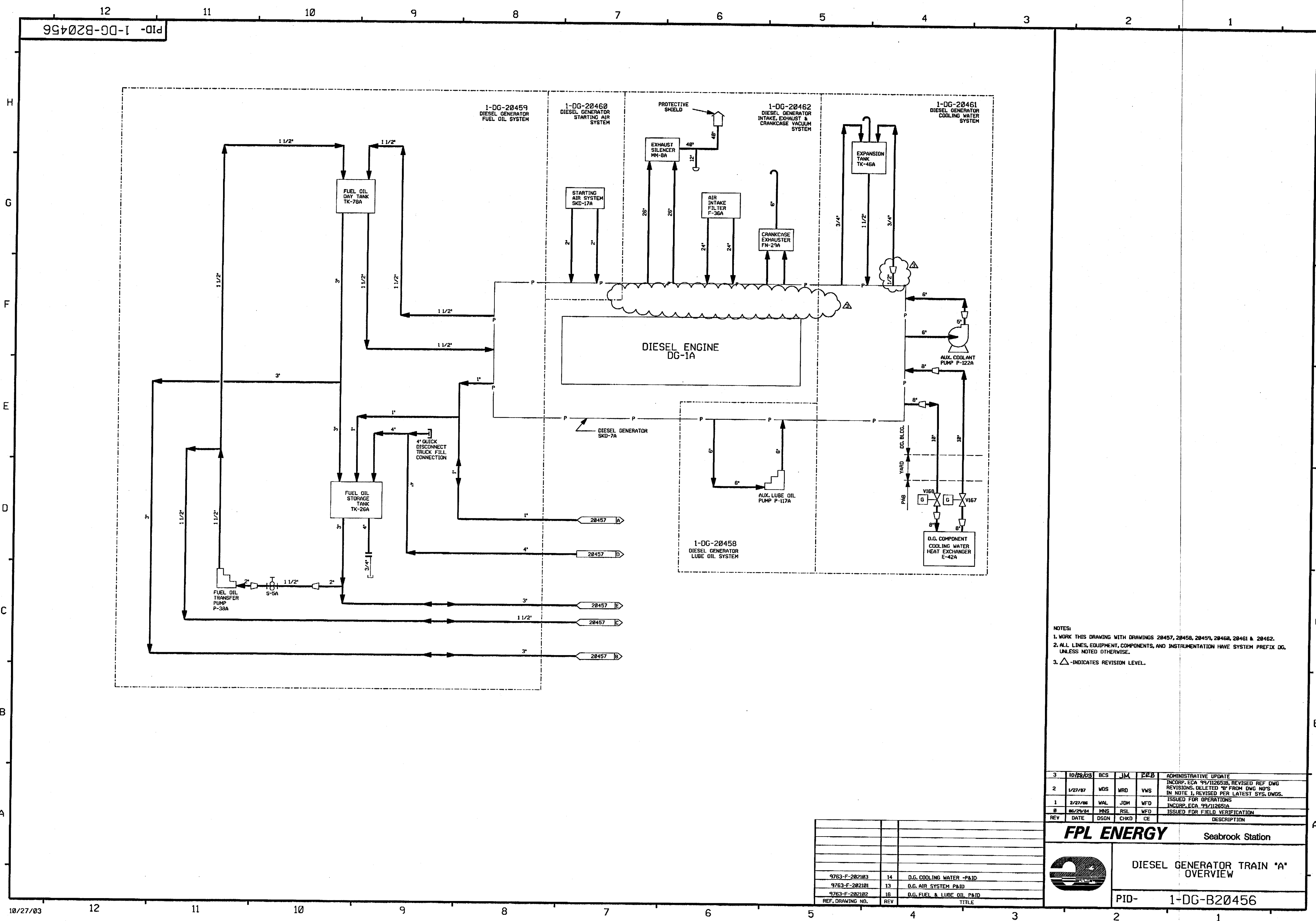
**FPL ENERGY**

Seabrook Station




FIRE PROTECTION  
STANDPIPE  
DETAIL

PID-	1-FP-B20268
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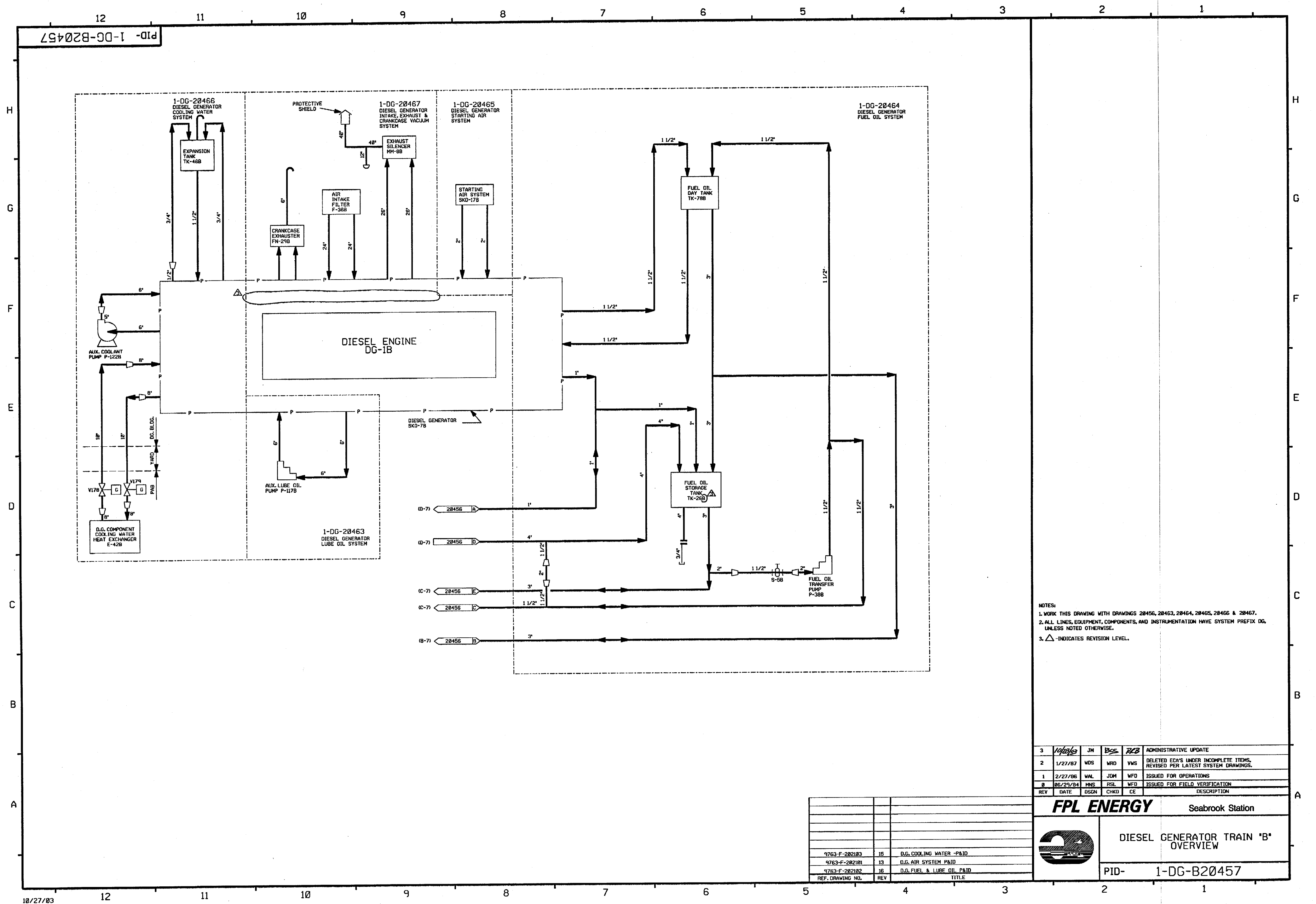
NOTES:  
1. WORK THIS DRAWING WITH DRAWINGS 20457, 20458, 20459, 20460, 20461 & 20462.  
2. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.  
3. Δ INDICATES REVISION LEVEL.

3	10/25/03	BCS	JM	228	ADMINISTRATIVE UPDATE
2	1/21/02	WDS	WRD	VWS	INCDP, ECA 99/112651B, REVISED REF DWG REVISIONS, DELETED "B" FROM DWG NO'S IN NOTE 1, REVISED PER LATEST SYS. DWGS.
1	2/27/00	WAL	JDH	WFO	ISSUED FOR OPERATIONS
0	06/29/94	MNS	RSL	WFO	INCDP, ECA 99/112651A
REV	DATE	DSGN	CHKD	CE	ISSUED FOR FIELD VERIFICATION

**FPL ENERGY**  



Seabrook Station  
**DIESEL GENERATOR TRAIN "A" OVERVIEW**  
PID- 1-DG-B20456

REF. DRAWING NO.	REV	TITLE
9763-F-202103	14	D.G. COOLING WATER -P&ID
9763-F-202101	13	D.G. AIR SYSTEM P&ID
9763-F-202102	16	D.G. FUEL & LUBE OIL P&ID



NOTES:  
1. WORK THIS DRAWING WITH DRAWINGS 20456, 20463, 20464, 20465, 20466 & 20467.  
2. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.  
3. Δ - INDICATES REVISION LEVEL.

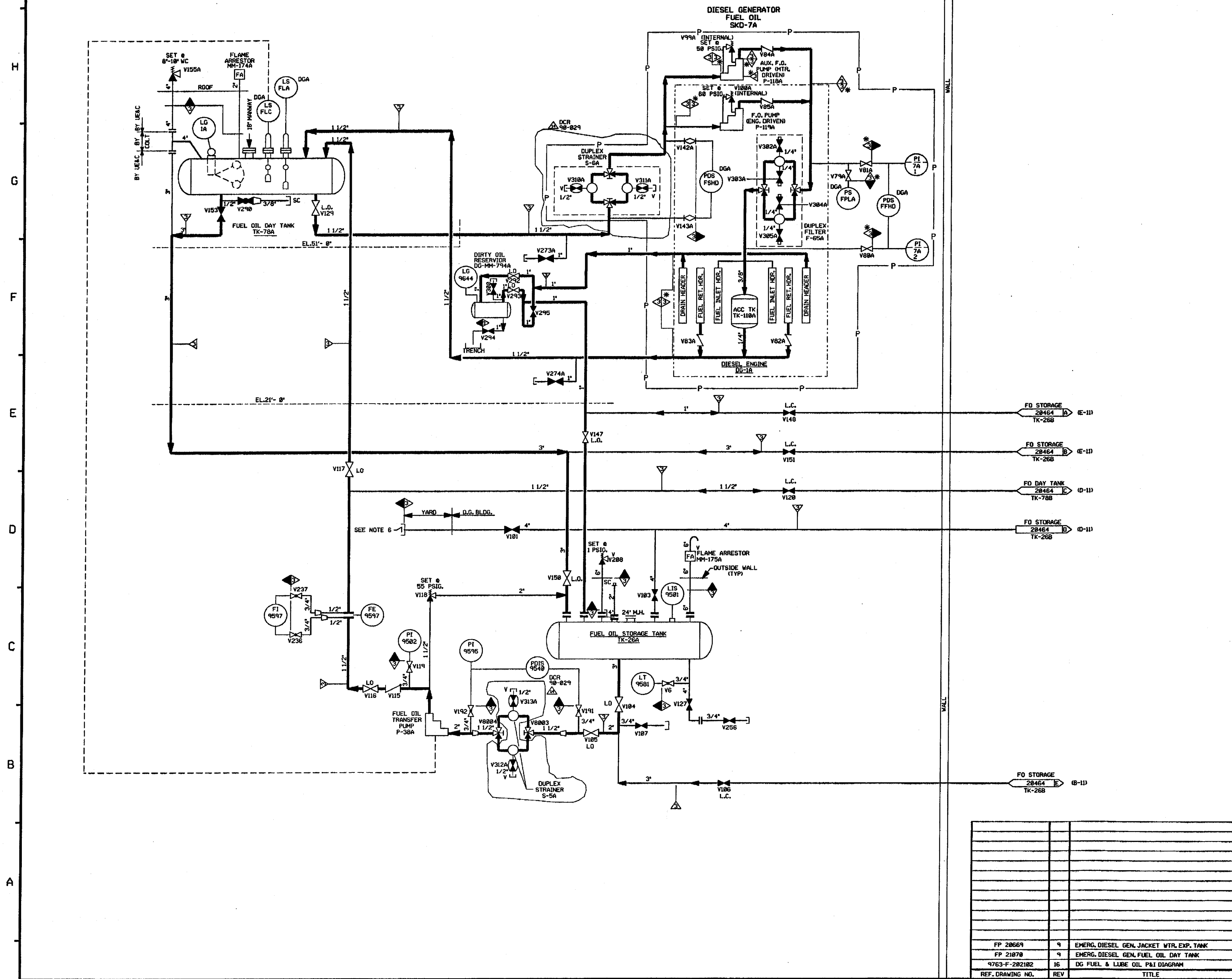
3	10/27/03	JM	BSS	RKB	ADMINISTRATIVE UPDATE
2	1/27/07	WDS	WRD	VMS	DELETED ECA'S UNDER INCOMPLETE ITEMS, REVISED PER LATEST SYSTEM DRAWINGS.
1	2/27/06	WAL	JOM	WFD	ISSUED FOR OPERATIONS
0	06/29/04	MNS	RSL	WFD	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY		Seabrook Station	
		DIESEL GENERATOR TRAIN 'B' OVERVIEW	
PID-		1-DG-B20457	



PID-1-DC-B20459

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



PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20456, 20457, 20458, 20459, 20460, 20461, 20462 & 20464.
  2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
  3. DELETED.
  4. DELETED.
  5. Δ INDICATES REVISION LEVEL.
  6. NPT QUICK DISCONNECT FITTING PROVIDED BY OWNER FOR DIESEL FUEL CONNECTION.
  7. VENT, DRAINS AND TEST CONN. SAFETY CLASS AND CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER I-NHY-80511, UNLESS NOTED OTHERWISE.

14	9/8/00	BCS	---	MPW	JWS	RLC	INCORP. DCR 98-029 DCH-8
13	11/1/95	MPW	---	BCS	DWS	VMS	INCORP. MM00 95-550 CAB
12	11/1/95	BCL	---	MPW	MRB	RSG	INCORP. DCR 94-12 CA-8, 81 & MM00 95-583 CA-8
11	5/27/94	MRB	---	JCM	BCL	GRM	INCORP. MM00 92-546 CAB & DCR 98-029 CAB
10	7/23/92	MRB	---	BCL	DWS	DJM	INCORP. DCR 90-013 CAS
9	8/26/92	MRB	---	BCL	MPW	DJM	PARTIAL INCORP. DCR 90-013 CAB
8	1/28/92	MRB	---	BCL	DWS	RRB	INCORP. MM00 91-515 CAB
7	8/24/91	MRB	FCB	JM	GPM	RRC	INCORP. DCR 90-49 CAB
6	8/14/89	MRB	FCB	APL	BCL	MAC	ADDED SYSTEM & TRAIN DESIGNATION PER I-NHY-586397 & 586399
5	1/7/87	MRJ	OPD	VRD	MPW	RRC	INCORP. DCR 89-33 CA 83
4	10/3/86	MAP	TAK	JDM	VAK	RRC	DELETED CODE BREAKS PER NOTE 7.
3	6/24/86	VAL	JDM	BCL	JMS	RRC	CORRECTED TAG NO. OF TK-28
2	2/27/86	VAL	MRB	JDM	RAC	WFD	REVISED DUPLEX STRAINER ARRT. PER NCH 82/10858 REV'D CODE FLAG PER SEP-88-876 CORRECTED DRAFTING ERROR
1	1/24/84	DWS	MRB	JDM	DWF	WFD	ADDED CONT. COORDINATES.
0	8/22/84	MNS	RI	JDM	WFD	WFD	REVISED PER PIPING ERECTION ISO'S
REV	DATE	DSGN	DRWN	CWD	CDE	SES	DESCRIPTION

**North Atlantic** Energy Service Corporation

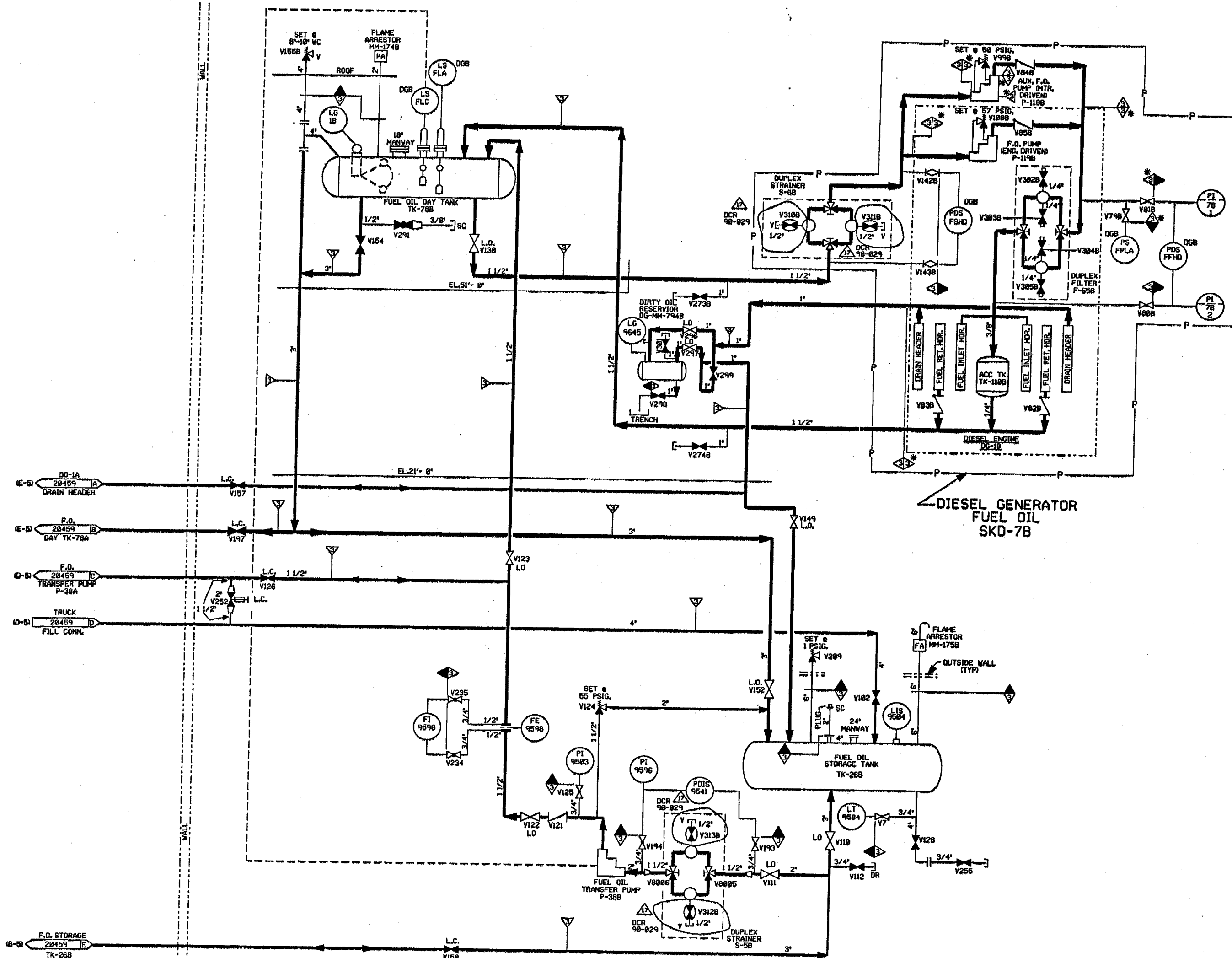


**DIESEL GENERATOR  
FUEL OIL SYSTEM TRAIN 'A'  
DETAIL**

PID- 1-DG-B20459

FP 20664	9	EMERG. DIESEL GEN. JACKET WTR. EXP. TANK
FP 21070	9	EMERG. DIESEL GEN. FUEL OIL DAY TANK
9763-F-202102	16	DG FUEL & LUBE OIL P&ID DIAGRAM
REF. DRAWING NO.	REV	TITLE

12 11 10 9 8 7 6 5 4 3 2 1  
PID-1-DG-B20464



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

# PORTIONS OF THIS DRAWING ARE NUCLEAR SAFETY RELATED

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 28456, 28457, 28459, 28463, 28465, 28466 & 28467.
  2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
  3. DELETED.
  4. DELETED.
  5. Δ INDICATES REVISION LEVEL.
  6. VENT, DRAINS AND TEST CONN. SAFETY CLASS AND CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NRY-00514, UNLESS NOTED OTHERWISE.

REV	DATE	DSGN	DRWN	CHKD	CDC	SES	DESCRIPTION
17	7/2/00	BCS	---	---	---	---	INCORP. DCR 98-829 DCH-88
16	10/30/99	MPW	---	---	---	---	INCORP. M400 96-558 CAB
15	11/1/98	BCL	---	---	---	---	INCORP. DCR 94-12 CA-8, B1 & M400 95-583 CA-8
14	5/3/94	MPW	---	---	---	---	BACKED OUT DCR 98-829
13	5/8/94	MRB	---	---	---	---	INCORP. M400 92-546 CAB & DCR 98-829 CAB
12	7/9/92	MRB	---	---	---	---	INCORP. DCR 98-813 CAB
11	5/25/92	MRB	---	---	---	---	PARTIAL INCORP. DCR 98-813 CAB
10	4/13/92	MRB	---	---	---	---	INCORP. M400-91-515 CAB
9	4/6/91	MRB	---	---	---	---	INCORP. DCR 98-49 CAB
8	6/28/91	MRB	---	---	---	---	REISSUED TO CORRECT ADMINISTRATIVE ERROR
7	11/28/90	MRB	---	---	---	---	INCORPORATED DCR 89-33 CA #3
6	6/14/88	GPH	---	---	---	---	INCORP. 87-313
5	2/22/86	MRJ	---	---	---	---	REVISED NOTE 6 DELETED MS-1 CLASS BOUNDARY
4	10/18/80	PAL	---	---	---	---	REVISED PER ECA 93/1881818, ECA 88/180738, MCR 72-254, ADDED NOTE DWS DCR LOC. FORETH. THE FOLLOWING CHANGES MADE PER LEAC: PAID, ADDED CLASS 3 FLG TO 4" LINE, CLASS 3 NO TO TRIANGLE AND LINE NO. OUTSIDE WALL WAS SHOWN IN ERROR. DELETED FROM SOLE. DELETED FROM SOLE.
3	5/23/80	WAL	---	---	---	---	INCORPORATED ECA 88/180738 & UPDATED PER LATEST PAID.
2	2/27/80	WAL	---	---	---	---	ISSUED FOR OPERATIONS & INCORP. ECA 88/110314
1	11/23/79	DHS	---	---	---	---	CODE BREAKS ADDED
REV	DATE	DSGN	DRWN	CHKD	CDC	SES	DESCRIPTION

North Atlantic Energy Service Corporation



DIESEL GENERATOR FUEL OIL  
SYSTEM TRAIN 'B'  
DETAIL

SEABROOK STATION

PID- 1-DG-B20464

07/28/00

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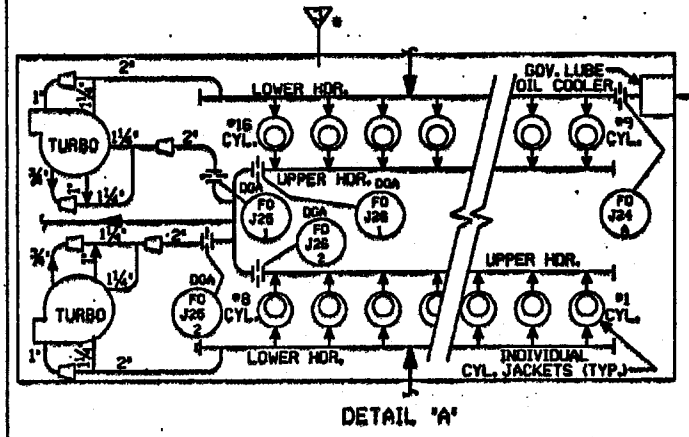
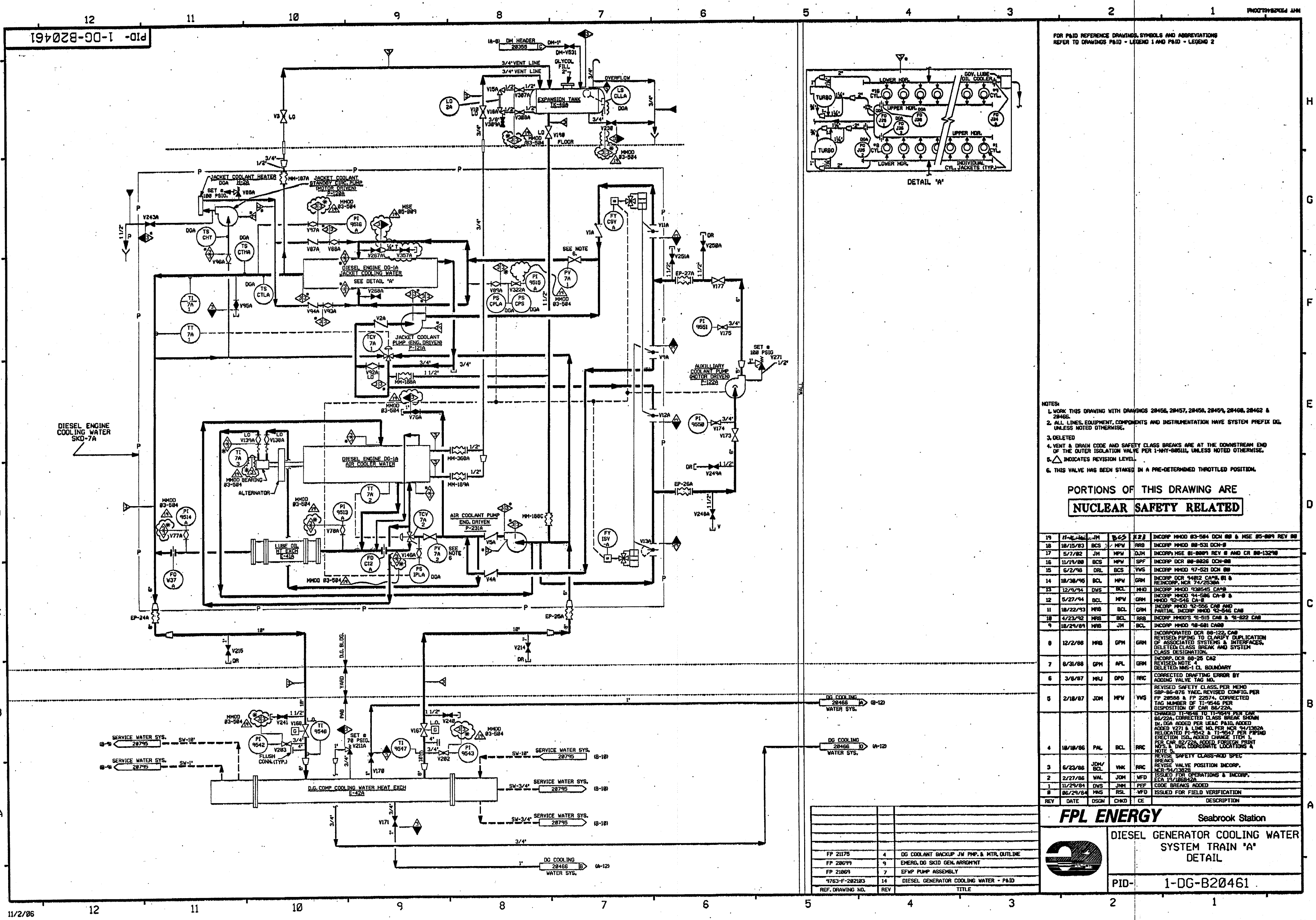
4

3

2

1

FP 21878	9	EMERG DIESEL GEN FUEL OIL DAY TANK
FP 28689	9	EMERG DIESEL GEN JACKET WTR EXP TANK
9763-F-282182	16	D.G. FUEL & LUBE OIL PAI DIAGRAM
REF. DRAWING NO.	REV	TITLE




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

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 28456, 28457, 28458, 28459, 28460, 28462 & 28465.
  2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
  3. DELETED.
  4. VENT & DRAIN CODE AND SAFETY CLASS BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NY-885ULL, UNLESS NOTED OTHERWISE.
  5.  $\Delta$  INDICATES REVISION LEVEL.
  6. THIS VALVE HAS BEEN STAKED IN A PRE-DETERMINED THROTTLED POSITION.

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
19	11/14/83	JM	BCS	223	INCORP. MMD 83-584 DCH 88 & MSE 85-889 REV 88
18	10/15/83	BCS	MPV	RRB	INCORP. MMD 88-531 DCH-8
17	5/7/82	JM	MPV	DJM	INCORP. MSE 81-8889 REV 8 AND CR 88-13278
16	11/19/88	BCS	MPV	SPF	INCORP. DCR 88-8826 DCH-88
15	6/2/98	DRL	BCS	VWS	INCORP. MMD 97-521 DCH 88
14	10/30/95	BCL	MPV	GRM	INCORP. DCR 94812 CA-8, 81 & REINCORP. MCR 74/25384
13	12/9/94	DWS	BCL	MWD	INCORP. MMD 938545 CA-8
12	5/27/94	BCL	MPV	GRM	INCORP. MMD 94-586 CA-8 & MMD 92-546 CA-8
11	10/22/93	MRS	BCL	GRM	INCORP. MMD 92-556 CA-8 AND PARTIAL INCORP. MMD 92-546 CA-8
10	4/23/92	MRS	BCL	RRB	INCORP. MMD'S 91-515 CA-8 & 91-522 CA-8
9	10/24/89	MRS	JM	BCL	INCORP. MMD 98-581 CA-8
8	12/2/88	MRS	GPH	GRM	INCORPORATED DCR 88-122, CA-8 REVISED PIPING TO CLARIFY DUPLICATION OF ASSOCIATED SYSTEMS & INTERFACES. DELETED CLASS BREAK AND SYSTEM CLASS DESIGNATION.
7	6/31/88	GPH	APL	GRM	INCORP. DCR 88-25 CA-2 REVISED NOTE 'A' DELETED MMS-1 CL BOUNDARY
6	3/8/87	MJL	DPD	RRC	CORRECTED DRAFTING ERROR BY ADDING VALVE TAG NO.
5	2/18/87	JDM	MPV	VWS	REVISED SAFETY CLASS PER MEMO SSP-88-878 YACC. REVISED CONFIG. PER FP 28598 & FP 22574. CORRECTED TAG NUMBER OF TI-9546 PER DISPOSITION OF CAR 86/22A.
4	10/18/86	PAL	BCL	RRC	CHANGED TI-9546 TO TI-9549 PER CAR 86/22A. CORRECTED CLASS BREAK SHOWN IN DCA ADDED PER LEAD PAID. ADDED V271 & LINE NO. PER MCR 94/1382A. RELOCATED TI-9542 & TI-9547 PER Piping Erection ISL. ADDED CHANGE ITEM 11 PER CAR 82/22A. ADDED FOREIGN PRINT MFS & DNG. COORDINATE LOCATIONS A NOTE = SAFETY CLASS-ADD SPEC.
3	6/23/86	JDM/ BCL	VWK	RRC	REVISE VALVE POSITION INCORP.
2	2/27/86	VAL	JDM	WFD	ISSUED FOR OPERATIONS & INCORP. 15/18828A
1	11/29/84	DWS	JDM	PEF	CODE BREAKS ADDED
0	86/29/84	MRS	RSL	WFD	ISSUED FOR FIELD VERIFICATION

**FPL ENERGY**

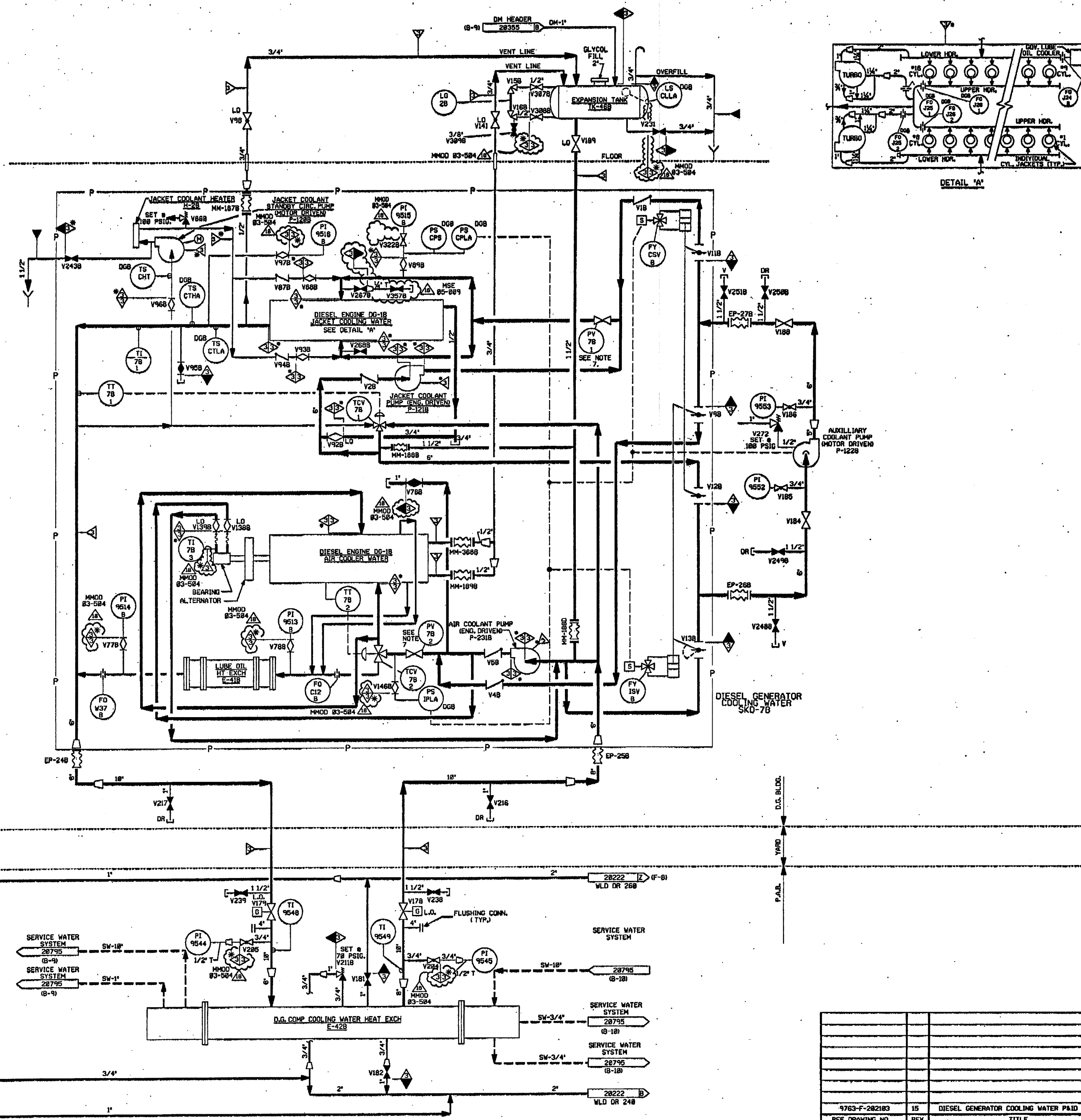
Seabrook Station

**DIESEL GENERATOR COOLING WATER SYSTEM TRAIN 'A' DETAIL**

PID-1-DG-B20461

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
FP 21175	4	DG COOLANT BACKUP JW PMP. & MTR. OUTLINE			
FP 22699	9	EMERG. DG SKID GEN. ARRANGMT			
FP 21069	7	EPWP PUMP ASSEMBLY			
9763-F-282183	14	DIESEL GENERATOR COOLING WATER - P&ID			
REF. DRAWING NO.	REV	TITLE			

PID-1-DG-B20466



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

NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 28456, 28457, 28461, 28463, 28464, 28465 & 28467.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG.
3. DELETED
4. VENT, DRAIN & TEST CONN. CODE AND SAFETY CLASS BREAKS ARE AT THE DOWN STREAM END OF THE OUTER ISOLATION VALVE PER 1-MHY-00011, UNLESS NOTED OTHERWISE.
5.  $\Delta$  INDICATES REVISION LEVEL.
6. DELETED
7. THIS VALVE HAS BEEN STAKED IN A PRE-DETERMINED THROTTLED POSITION.

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
18	11/16/96	JH	B-22	B-22	INCRP MMOD 83-584 DCM 88 & MSE 85-889 REV 88
17	5/16/92	JH	MPV	MKC	INCRP MMOD 88-0531 DCM 88
16	9/25/91	BCS	MPV	MKC	INCRP MSE 81-889, REV. 8
15	12/1/90	MPV	BCS	SPF	INCRP DCR 88-0826 DCM 88
14	6/2/90	DRL	BCS	YVS	INCRP MMOD 97-521 DCM 88
13	18/38/95	BCL	MPV	GRH	INCRP DCR 94812 CAPP 8 & 88, & INCRP, NCR 74/2538A

**FPL ENERGY**

Seabrook Station



**DIESEL GENERATOR COOLING WATER  
SYSTEM TRAIN 'B'  
DETAIL**

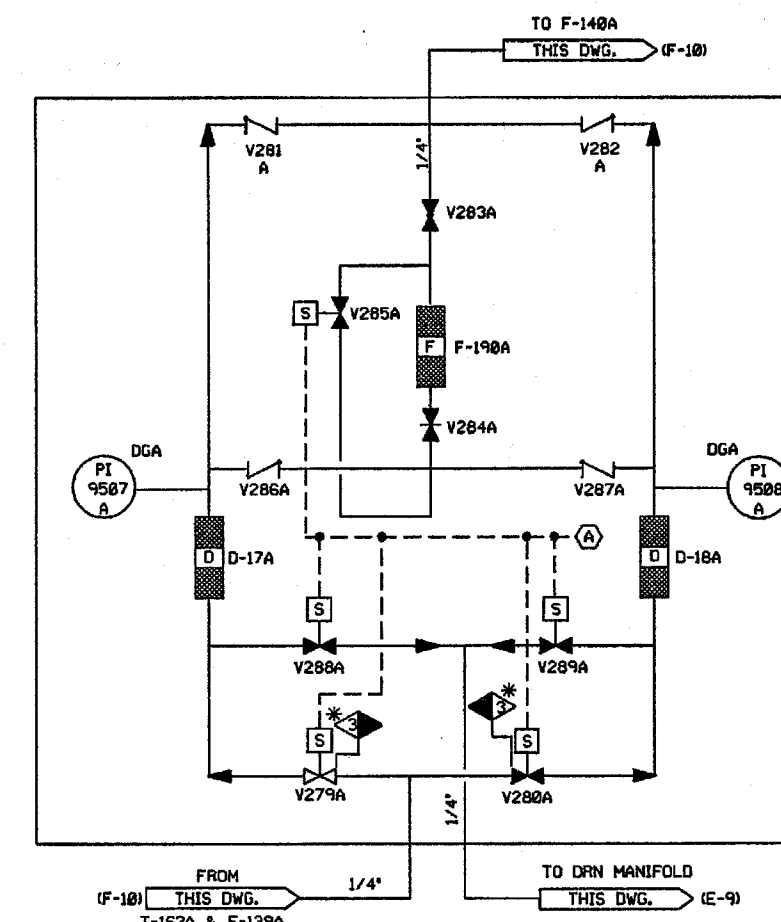
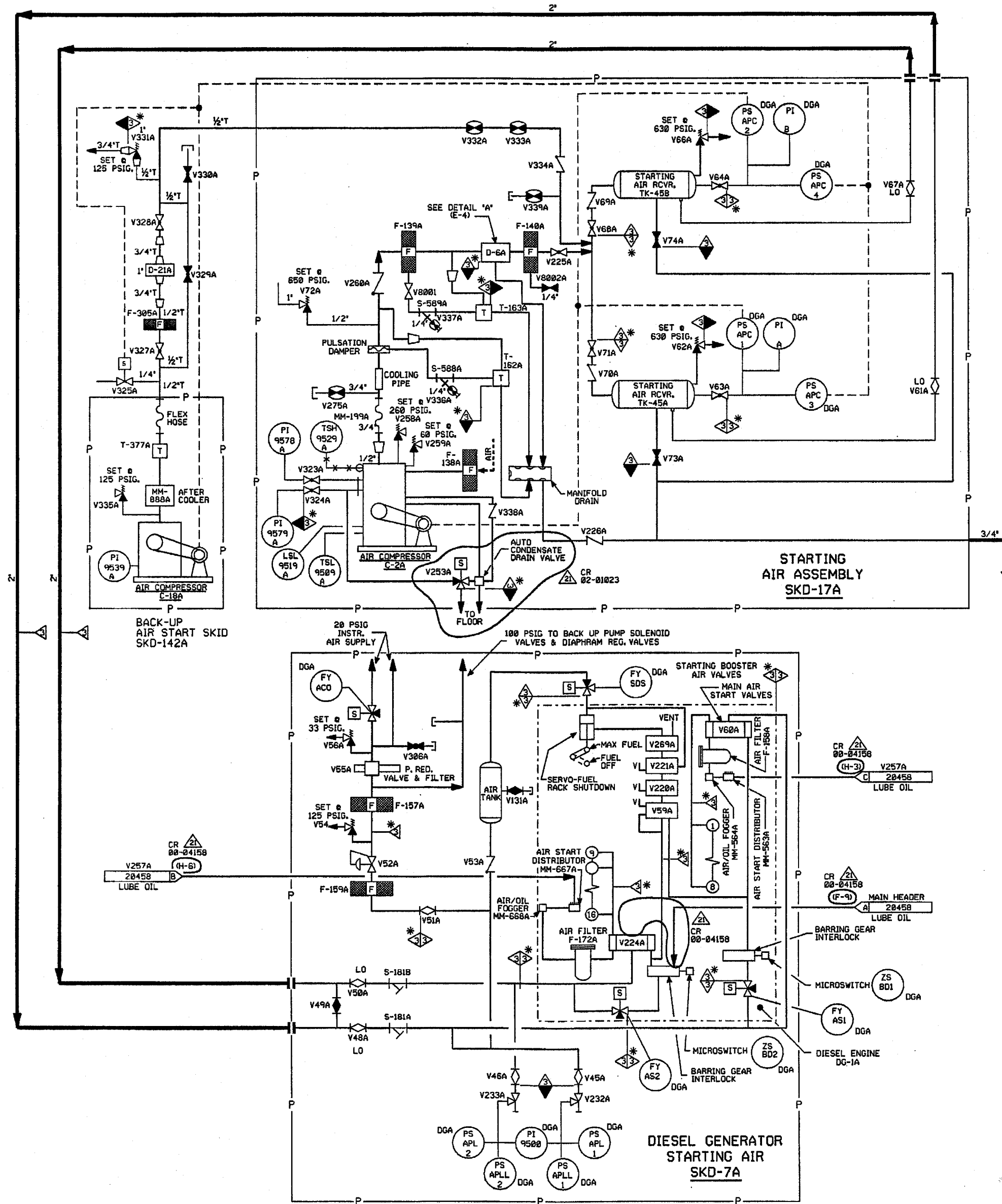
PID- 1-DG-B20466

9763-F-282183	15	DIESEL GENERATOR COOLING WATER PAID
REF. DRAWING NO.	REV	TITLE



PID-1-DG-B20460

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 20456, 20457, 20458, 20459, 20461, & 20462.
  2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
  3. DELETED
  4. Δ - INDICATES REVISION LEVEL.
  5. VENTS, DRAINS AND TEST CONN. CODE AND SAFETY CLASS BREAKS ARE AT THE DOWN STREAM END OF THE OUTER ISOLATION VALVE PER I-NHY-88511, UNLESS NOTED OTHERWISE.
  6. INSTRUMENT REFERENCE
- (A) TO CONTROL PANEL ON SKD-17A, FP-22574.

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

21	04/03	JM	BS	MHC	INCCP CR 00-04158 REV 00 & CR 02-01023 REV 00
20	5/7/82	JM	MPW	MKC	INCCP MMOD 01-533 DCM-00
19	6/12/80	BCS	DWS	MKC	INCCP DCR 97-0045 DCM-00
18	10/7/79	BCS	MPW	MKC	INCCP DCR 97-0045 DCM-00, 06
17	7/14/79	BCS	MPW	DJM	INCCP MMOD 96-556 DCM-00, DCR 97-45
16	6/19/79	MPW	DWS	RSG	INCCP DCR 94-44 CA#0, 8, 9 & 14
15	4/2/78	MPW	DWS	GRM	INCCP DCR 94-12 CA#0 & 1
14	5/30/76	DWS	MPW	JHR	INCCP MMOD 94-0572 CA#0
13	12/9/74	DWS	BCL	MKD	INCCP MMOD 93-0545 CA#0
12	6/1/74	BCL	MDS	GRM	INCCP DCR 90-29 CA-2
11	5-27-74	BCL	MPW	GRM	INCCP MMOD 94-506 CA0, 03 & MMOD 92-546 CA-1
10	10-22-73	MRB	BCL	GRM	INCCP MMOD 92-546 CA0, 92-556 CA0
9	9-17-72	DWS	BCL	JW	INCCP DCR 92-041 CA#0
8	4-17-72	MRB	BCL	RRB	INCCP MMOD 91-515 CA0
7	10/5/69	MRB	APL	WFO	INCCP MMOD 89-565 CA 0 REVISED INSTR. TAG PREFIX PER SIS VERIFICATION
6	8/14/69	MRB	APL	MAC	INCCP DCR 89-33 CA 03 ADDED VALVES V258A & V259A VERIFIED INSTALLED AND TAGGED AS SHOWN.
5	1/22/67	JDM	PAL	RRC	ADDED TAG NUMBERS & EQUIPMENT I.D., ADDED DGA DESIGNATION TO INSTR. REVISED LOCATION OF FILTER & FIDDER PER FP-20883 ADDED LUBE OIL SUPPLY TO PROVIDE MORE DETAILED REVISED SAFETY CLASS PER MEMO SEP-86-876-TREC.
4	10/3/66	HAP	JDM	RRC	DELETED NOTE 5. INCCP OR 92-208A REVISED PER FP-20883, 20699 & PIPING ERECTION ISO'S ADDED VALVE NO'S V8001 & V8002 INCCP ECA 99-806179A.
3	6/19/66	JDM	DWS	RRC	INCCP NCR 74/3501A, ECA 19/802834A
2	2/27/66	WAL	JDM	WFO	ISSUED FOR OPERATIONS & INCCP. ECA'S 99/109341B & 99/102515A
1	12/2/64	DWS	JDM	WFO	CODE BREAKS ADDED
0	06/29/64	MNS	REL	WFO	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY** Seabrook Station



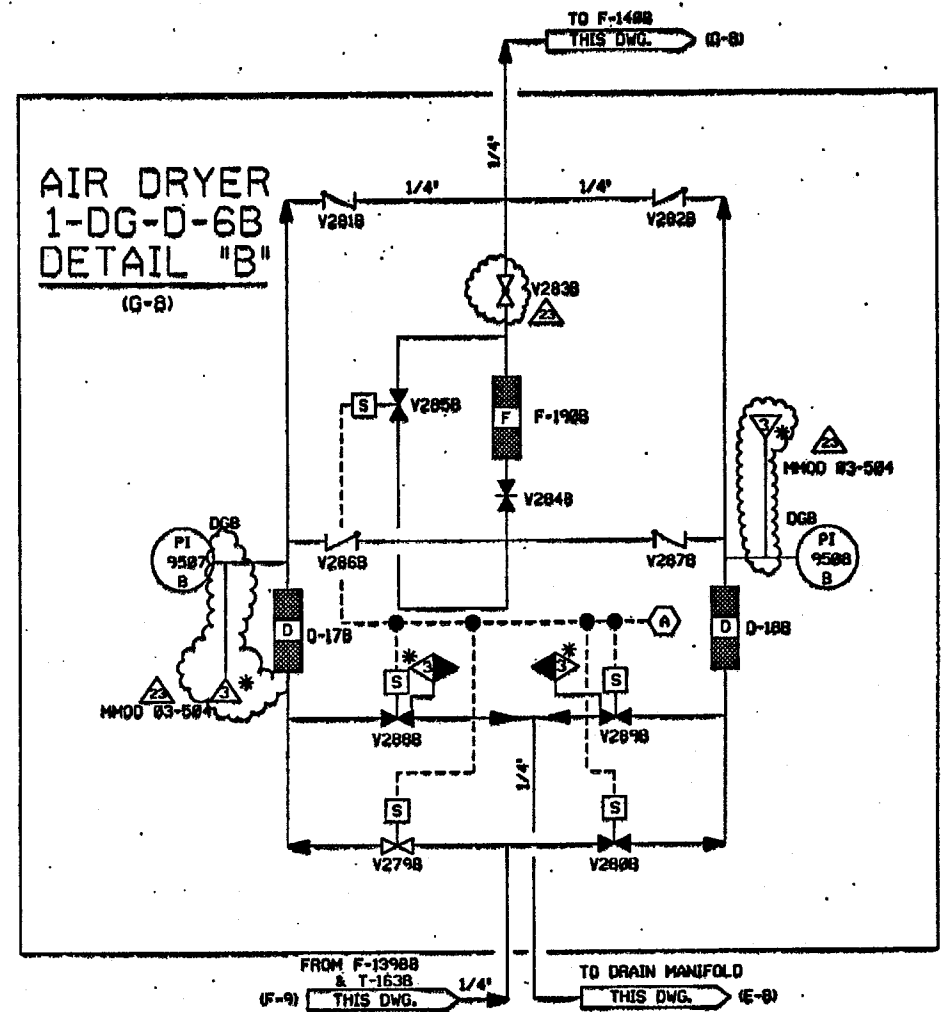
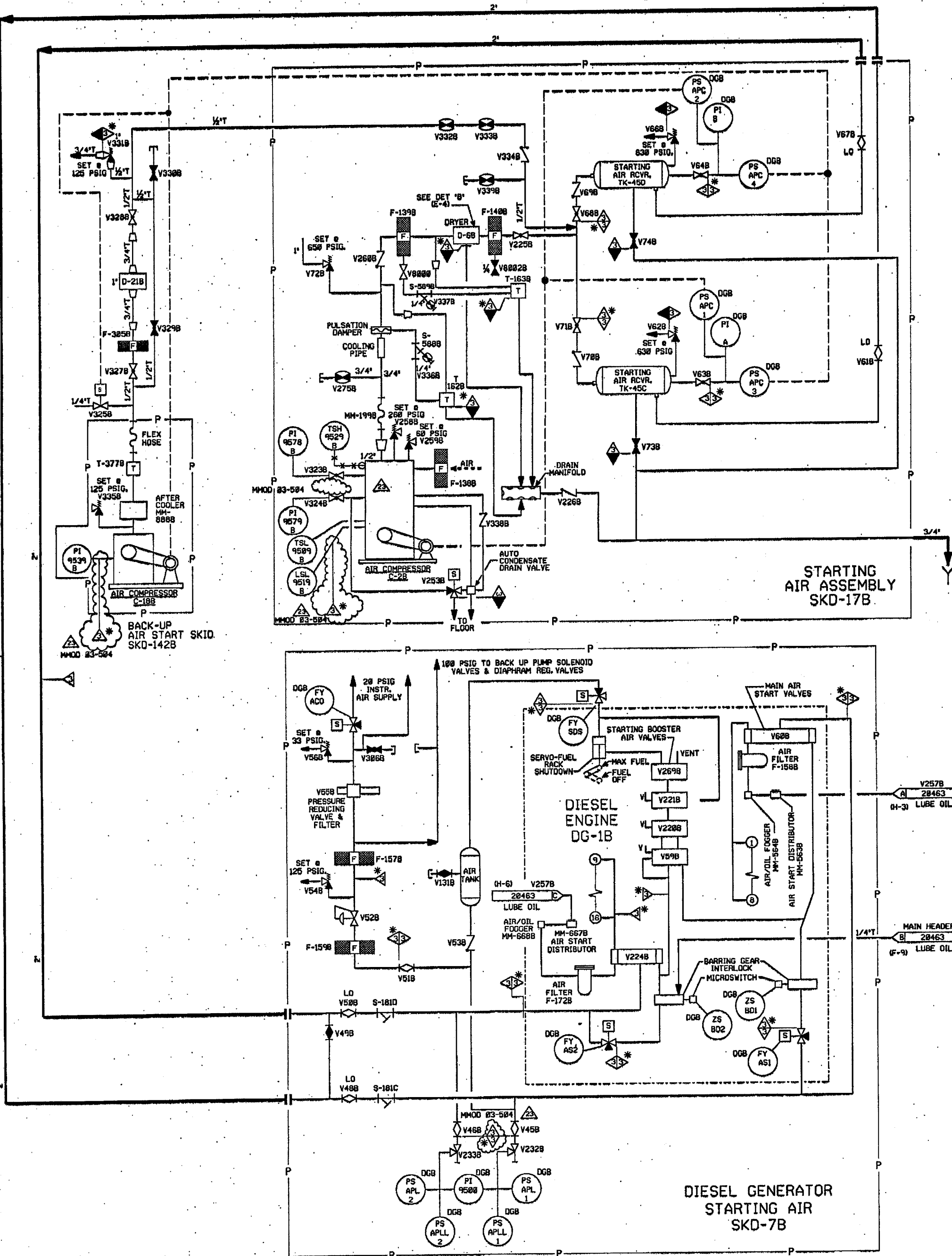
**DIESEL GENERATOR STARTING AIR  
SYSTEM TRAIN 'A'  
DETAIL**

PID- 1-DG-B20460

REF. DRAWING NO.	REV	TITLE
FP-20883	12	EMERG. DIESEL STARTING AIR ASSEMBLY SKD-17A
FP-20699	13	DIESEL GENERATOR STARTING AIR SKD-7A
9763-F-202101	13	DIESEL GENERATOR-AIR SYSTEM P&ID



PID-1-DG-B20465



- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20456, 20457, 20463, 20464, 20465, AND 20467
  2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
  3. DELETED
  4. INDICATES REVISION LEVEL
  5. VENTS, DRAINS AND TEST CONNECTIONS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE UNLESS NOTED OTHERWISE.
  6. INSTRUMENT REFERENCES:  
(A) TO CONTROL PANEL ON SKD-17B FP-22575

PORTIONS OF THIS DRAWING ARE  
NUCLEAR SAFETY RELATED

REV	DATE	DSN	CHKD	CE	DESCRIPTION
23	12/31/83	JM	BCS	RRB	INCORP MMOD 83-584 DCH 88
22	12/31/83	JM	BCS	RRB	INCORP CR 88-04158 REV 88 & CR 82-01823 REV 88
21	12/15/82	JM	BCS	RRB	INCORP CR 82-12483 REV 88
20	8/21/82	BCS	JM	MKC	INCORP DCR 97-8845 DCH-88
19	5/16/82	MPW	JM	MKC	INCORP MMOD 81-533 DCH 88
18	11-17-79	BCS	MPW	MKC	INCORP DCR 97-845 DCH-88
17	8-26-79	BCS	MPW	WFZ	INCORP MMOD 96-586 DCH-88, DCR 97-45 DCH-82.5
16	5-28-77	MPW	DWS	WFZ	INCORP DCR 94-14 DCH-8, 8, 9 & 14
15	4-2-76	BCS	DWS	GRH	INCORP DCR 94-12 CA-8, 8L
14	5-15-75	BCL	MPW	JPS	INCORP MMOD 94-572 CA-8
13	12-4-74	DWS	BCL	MKD	INCORP MMOD 938545 CA-8
12	6/1/74	BCL	MKS	GRH	INCORP DCR 98-829 CA-82
11	5-18-74	BCL	MPW	RRB	INCORP MMOD 94-586 CA-8, 3 & MMOD 92-546 CA-8
10	10-22-73	MKB	BCL	RRB	INCORP MMOD 92-546 CA-8, 32-556 CA-8
9	10-3-73	DWS	MRB	RRB	INCORP DCR 928841 CA-8
8	4/14/72	MRB	BCL	JEV	INCORP MMOD 918515 CA-8
7	11/28/69	MRB	PAL	GRH	INCORPORATED DCR 89-33 CA-8 & MMOD 89-551 ADDED NOTE 5 & 6
6	9/8/68	MRB	BCL	RRB	ADDED VALVE PER WORK REQUEST 87 WD0128 AND CONT. COORDINATES
5	1/22/67	JOM	WRD	RRB	ADDED TAG NUMBERS & EQUIPMENT I.D. INCORP ECA 94/082344 REVISED LOCATION OF FILTER & FODDER PER FP-28591 ADDED LUBE OIL SUPPLY TO PROVIDE MORE SYSTEM DETAIL REVISED SAFETY CLASS PER MMOD 88-876-TAGC
4	18/3/66	PAL	MPW	RRB	REVISED PER ECA 94/082344 AND 94/103394 INCORP ECA 94/103394 REMOVED NCR 92/236 WAS IN ERROR ADDED VALVE TO FILTER F-138 PER FP-28883 AND ADDED VORR-8000 END CONNS ON FLEX HOSE PER FP-28221 ADDED FOREIGN PRINTS TO SET BLOCK ADDED DCH 10 INCH PER DEAC PAID, ADDED PAID LEGEND NOTE
3	6/16/66	JOM	DWS	RRB	INCORP ECA 94/125150 INCORP NCR 82/232 & 74/3581
2	8/27/66	WAL	JOM	WFD	ISSUED FOR OPERATIONS & INCORP.
1	11/25/64	DWS	JNM	PEF	ISSUED FOR OPERATIONS & INCORP.
8	8/29/64	MKS	JNM	WFD	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSN	CHKD	CE	DESCRIPTION

**FPL ENERGY** Seabrook Station

**DIESEL GENERATOR STARTING AIR SYSTEM TRAIN "B" DETAIL**

PID- 1-DG-B20465

REV	DATE	DSN	CHKD	CE	DESCRIPTION
FP 20883	11				EMERG DG AIR ASSY GEN ARRANGEMENT
FP 20699	9				EMERG DG SKID UNIT
FP 20691	15				EMERG DG START AIRCONT SCHEM AND LEGEND
9763-F-202101	13				DIESEL GENERATOR - AIR SYSTEMS PAID
REF. DRAWING NO.					TITLE

PID-1-DG-B20458

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 20456, 20457 & 20459 THRU 20462.
  2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG.
  3. DELETED.
  4. VENT AND DRAIN CODE AND SAFETY CLASS BREAKS ARE AT THE DOWNSTREAM END OF THE ISOLATION VALVE PER DESIGN STANDARD 1-NHY-005111, UNLESS NOTED OTHERWISE.
  5.  $\Delta$  INDICATES REVISION LEVEL.
  6. VALVE DISC DRILLED WITH 1/4" ORIFICE TO ALLOW BACKFLOW WITH ENGINE IN STANDBY.

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

16	16-31-06	JM	BCL	RRB	INCORP MMOD 83-587 DCN 00
15	1/18/05	JM	BCS	HR	INCORP DCR 84-018 - DCN 00
14	10/15/03	BCS	MPW	RRB	INCORP MMOD 82-541 DCN-0.2 & MSE 83-160 REV.0
13	6/10/02	JM	BCS	MKC	INCORP CR 00-84158 REV.00, MMOD 01-531 DCN-00, 01
12	1/30/02	BCS	MPW	MKC	INCORP MSE 01-0005 REV.01
11	10/6/99	BCS	MPW	CWE	INCORP MMOD 98-554 DCN-00,01
10	7/30/97	MPW	BCS	VMS	INCORP MMOD 96-550 DCN 01
9	4/1/96	BCL	MPW	GRM	INCORP DCR 94-12 CAB, 01
8	5/27/94	MPW	BCL	GRM	INCORP MMOD 92-546 CAB, DCR 90-29 CA-8
7	5/11/92	MRB	BCL	GRM	INCORP MMOD 91-622 CAB
6	10/29/90	MRB	JM	BCL	INCORP MMOD 90-601 CAB00
5	02/10/87	JDM	PHL	VMS	REVISED NOTE 4 REVISED PRESSURE SWITCH TIE-IN PER FP-20530, COMPLETE REDRAW TO CLARIFY LAYOUT FOR BETTER FLOW DIA UTILIZATION, ADD LINE SIZES TO SKID PIPING.
4	10/16/85	MAP	WRD	RRC	REVISED PER PIPING ERECTION ISO, ADDED LOCATION COORDS.
3	6/23/86	VAL	VNK	RRC	UPDATED PER LATEST P&ID & INCORP NCR 93/228C
2	2/27/86	VAL	JDM	WFO	ISSUED FOR OPERATIONS
1	11/29/84	DWS	JNM	PEF	CODE BREAKS ADDED
0	6/29/84	MNS	JNM	WFO	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY**

Seabrook Station

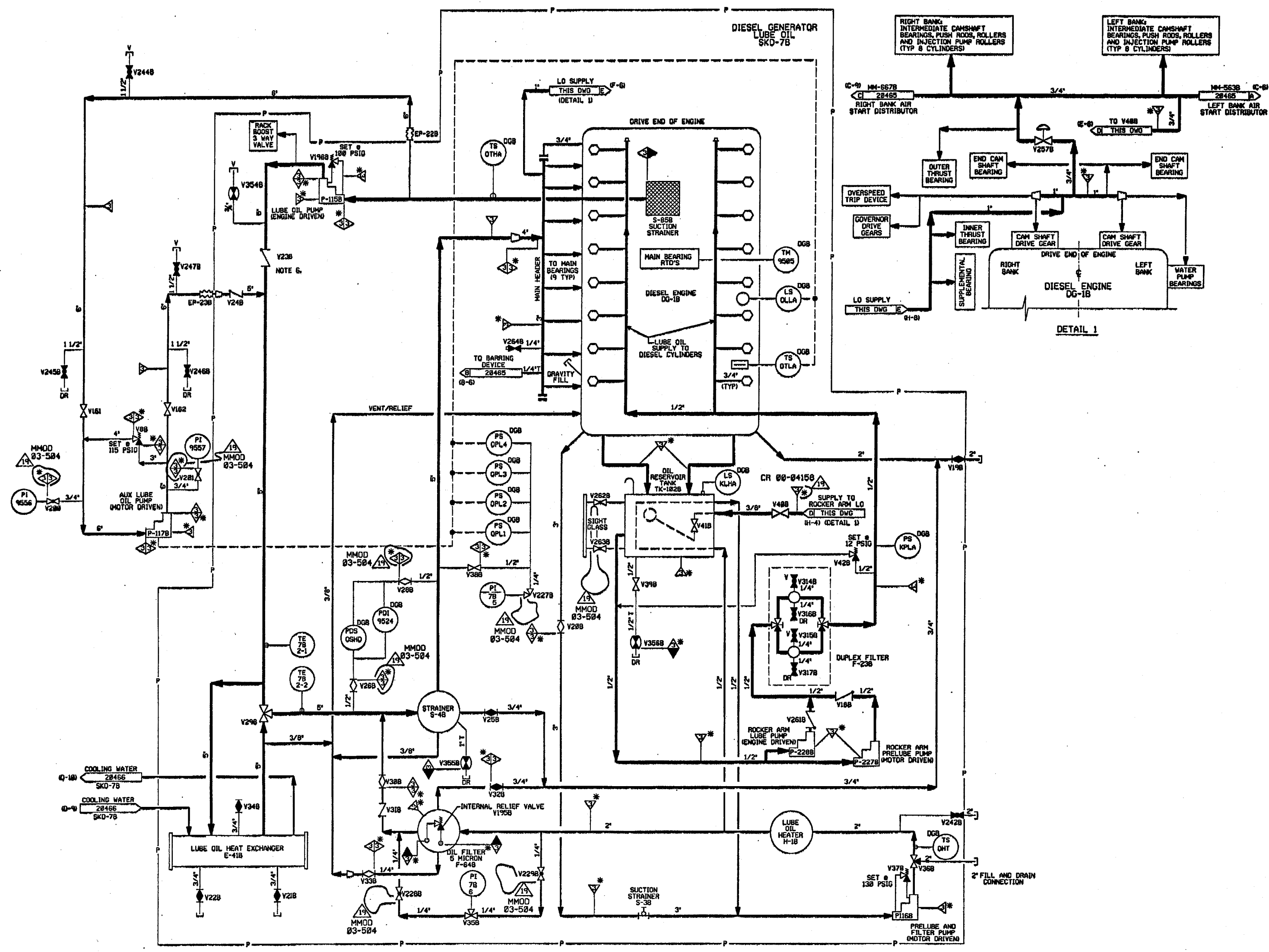


**DIESEL GENERATOR LUBE OIL  
SYSTEM TRAIN 'A'  
DETAIL**

PID- 1-DG-B20458

9763-F-202102	16	DIESEL GENERATOR FUEL & LUBE OIL P&ID
REF. DRAWING NO.	REV	TITLE

PID-1-DG-B20463



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 20463, 20464, 20465, 20466, & 20467.
  2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
  3. DELETED
  4. VENT AND DRAIN SAFETY CLASS AND CODE BREAKS ARE AT THE DOWNSTREAM END OF THE ISOLATION VALVE PER DESIGN STANDARD 1-MET-BEULL, UNLESS NOTED OTHERWISE.
  5.  $\Delta$  INDICATES REVISION LEVEL.
  6. VALVE DISC DRILLED WITH 1/4" DRIFTE TO ALLOW BACKFLOW WITH ENGINE IN STANDSTILL.

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

REV	DATE	DSN	CHKD	CE	DESCRIPTION
19	4-3-86	JH	ES	MS	INCORP. MMOD 03-504 DCH 00 & REINCORP. CR 00-04150 REV 00
18	12/8/84	JH	BCS	MR	INCORP. DCH 04-000 - DCH 00
17	3/24/84	BCS	JH	KCC	INCORP. PSE 03-100 REV 00, MMOD 02-041 DCH-00 & 02, DCH 00-023 DCH-00
16	12/31/83	JH	BCS	KCC	INCORP. CR 00-04150 REV. 00
15	8/13/82	JH	MPV	BCS	INCORP. CR 00-12796-B1
14	1/12/81	BCS	MPV	KCC	PARTIAL INCORP. DCH 00-0023 DCH-00
13	8/25/79	DWS	BCS	CVE	INCORP. MMOD 98-554 DCH-00 & 01
12	7/28/79	MPV	BCS	VVS	INCORP. DCH 94-012 DCH 01
11	11/2/76	BCL	MPV	GRM	PARTIAL INCORP. DCH 90-023
10	5/18/74	BCL	DMS	GRM	INCORP. MMOD 92-546 CAB & DCH 90-023 CAB
9	5/9/74	MPV	BCL	GRM	BACKED OUT DCH 90-023
8	5/16/74	MRB	MPV	RRB	INCORP. MMOD 91-522 CAB
7	5/11/72	MRB	BCL	GRM	INCORP. MMOD 91-522 CAB
6	10/25/70	MRB	JH	BCL	INCORP. MMOD 90-041 CAB
5	2/18/67	JH	PAI	VMS	REVISED PRESSURE SWITCH TIE-IN FOR PP 20000 COMPLETE REFORM TO CLARIFY LAYOUT FOR BETTER P&ID DIAGRAM UTILIZATION ADDED LINE SIZES TO SKID PIPING
4	10/16/66	PAI	VRD	RRC	INCORP. ECA 15/10/66, DCH ADDED PER LEAC PAID ADDED NOTE 5 FOREIGN PRINTS TO REF. BLOCK & DNG COORD TO CONTINUATION P. 100
3	6/23/66	VAL	YMK	RRC	UPDATE PER LATEST LEAC P&ID
2	2-27-66	VAL	JDM	MFD	ISSUED FOR OPERATIONS
1	11/29/64	DWS	JHM	PEF	CODE BREAKS ADDED
0	06/29/64	MNS	RSL	MFD	ISSUED FOR FIELD VERIFICATION

**FPL ENERGY**

Seabrook Station



**DIESEL GENERATOR LUBE OIL  
SYSTEM TRAIN 'B'  
DETAIL**

PID- 1-DG-B20463

CATEGORY 1

REV	DATE	DSN	CHKD	CE	DESCRIPTION
13	2005/06	13	EMERG.DG LUBE OIL SYS. SCHEMATIC		
9	2006/09	9	EMERG.DG SKID UNIT GEN. ARRANGMT.		
16	9763-F-282182	16	D.G. FUEL & LUBE OIL PSI DIAGRAM		
REV	DATE	DSN	CHKD	CE	DESCRIPTION

PID-1-DG-B20462

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

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20456, 20457, 20458, 20459, 20460, & 20461.
  2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS OTHERWISE NOTED.
  3. DELETED
  4. VENT AND DRAIN CODE AND SAFETY CLASS BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER DESIGN STANDARD 1-MY-00011, UNLESS NOTED OTHERWISE.
  5.  $\Delta$  INDICATES REVISION LEVEL.

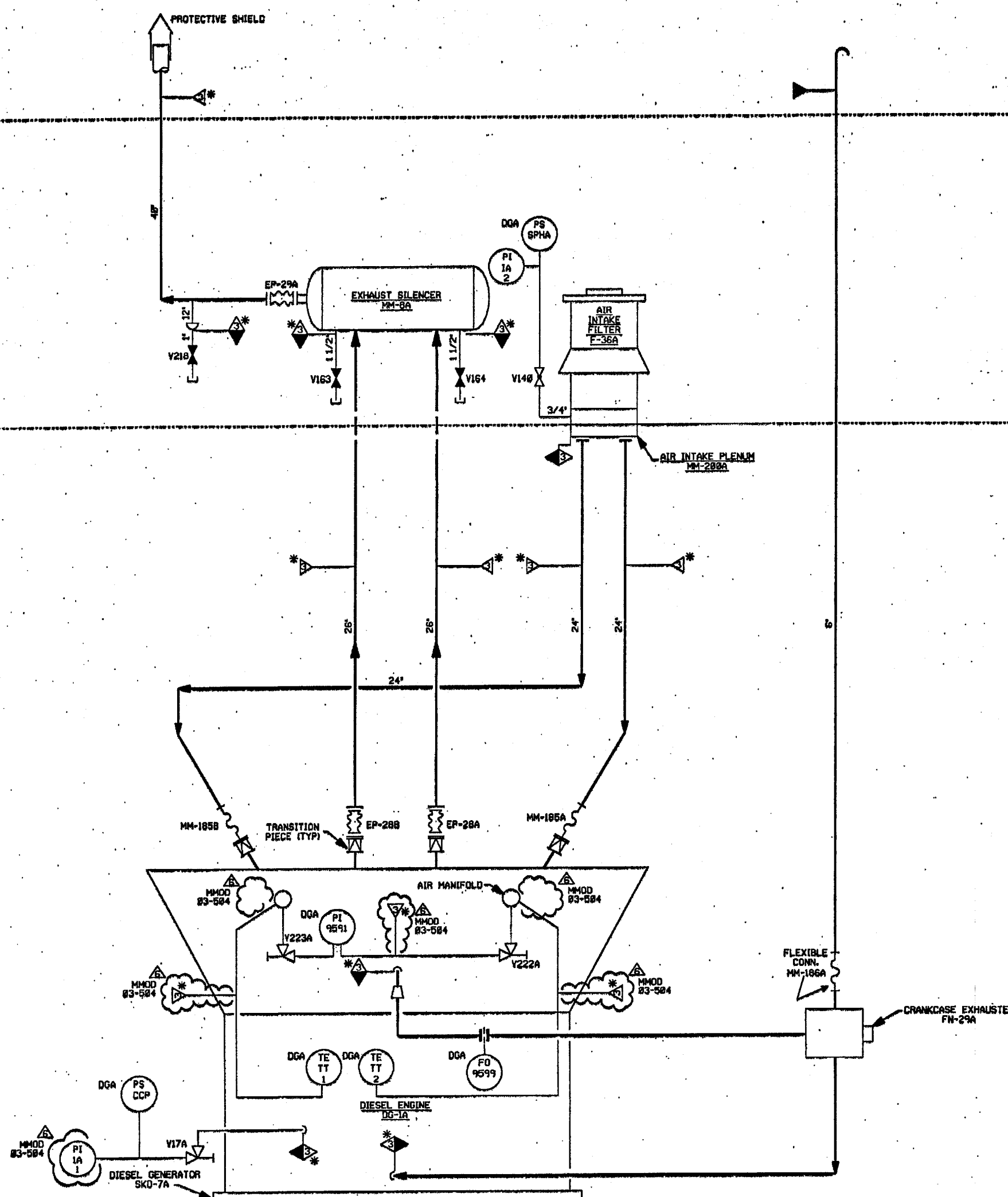
6	11/16/86	JM	W-2	222	INCORP MMOD 83-584 DCM 88
5	10/6/99	BCS	WFM	CVE	INCORP MMOD 980554 DCM 88.01
4	7/30/97	WFM	BCS	YWS	INCORP MMOD 960558 DCM 81
3	4/2/96	BCL	WFM	GRM	INCORP DCR 94-12 C&B & ADDED NOTE 5.
2	10/7/86	PNL	HAP	BRC	ADDED PIPE & CAP PER ERECTION ISO. ADDED DCA PER LEGAL PAID ADDED FOREIGN PRINTS TO REF BLOCK
1	02/27/86	VAL	JDM	WFD	ISSUED FOR OPERATIONS
0	06/29/84	MNS	RSL	WFD	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

**FPL ENERGY** Seabrook Station

**DIESEL GENERATOR INTAKE, EXHAUST  
& CRANKCASE VACUUM SYSTEM  
TRAIN 'A'  
DETAIL**

PID- 1-DG-B20462

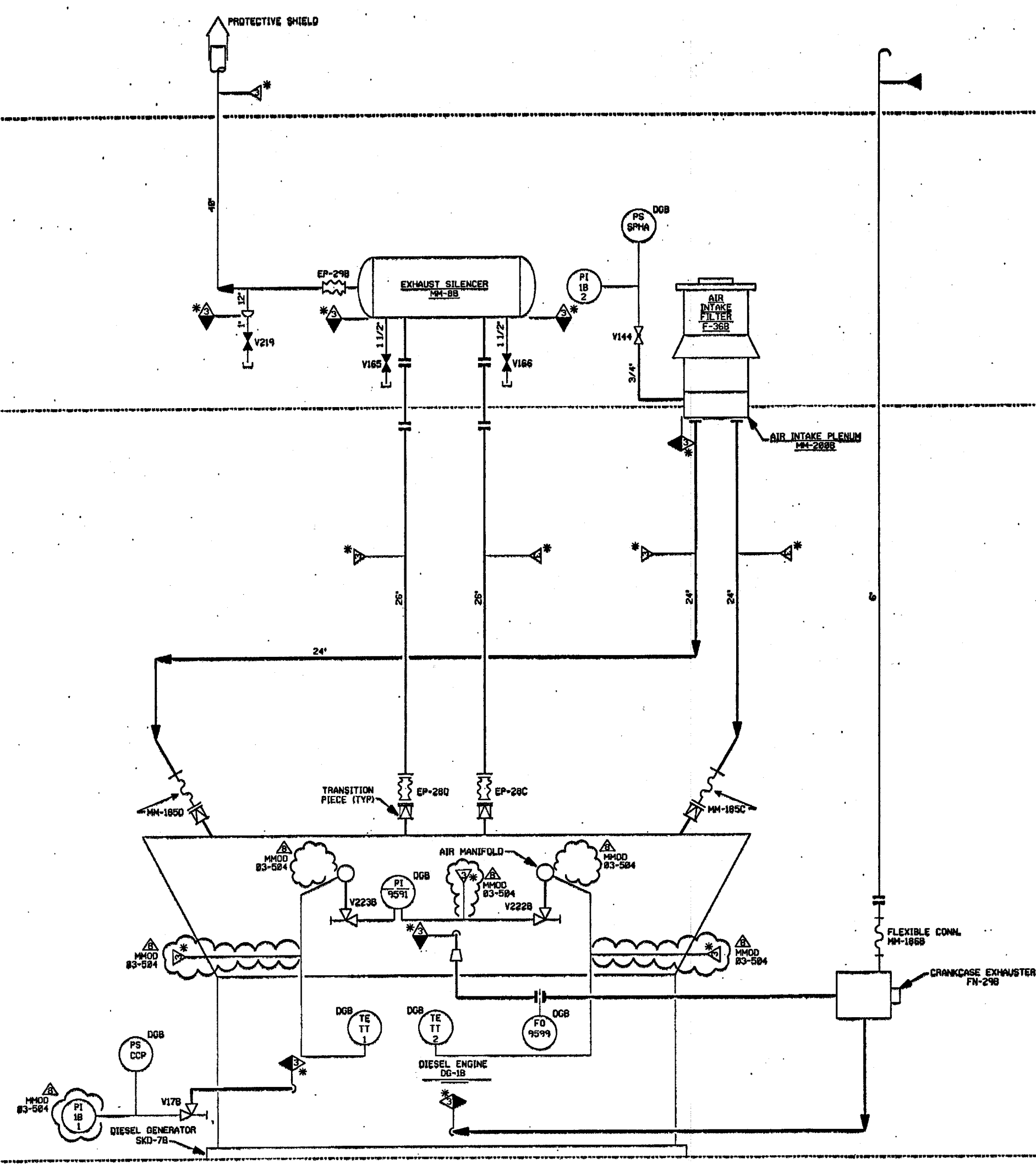
FP20589	89	EMERG DG INTX, EXT 4 & CRK SCHEM
FP20983	88	EMERG DG AIR INLET FILTER (RY TYPE)
FP20848	87	EMERG DG EXHAUST SIL, 148 INCH 26 INLETS
9763-F-202181	13	DIESEL GENERATOR AIR SYSTEM PAID
REF. DRAWING NO.	REV	TITLE





PID-1-DG-B20467

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



PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20456, 20457, 20463, 20464, 20465, & 20466.
  2. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
  3. DELETED.
  4.  $\Delta$  INDICATES REVISION LEVEL.
  5. VENT AND DRAIN CODE AND SAFETY CLASS BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER DESIGN STANDARD 1-MW-00011, UNLESS NOTED OTHERWISE.

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
8	11/2/99	JH	BCS	228	INCRP MMOD 83-504 DCM 00
7	9/25/99	DWS	BCS	CVE	INCRP MMOD 98554 DCM 00 & 01
6	7/28/97	MPV	BCS	VYS	INCRP MMOD 95-558 DCM 01
5	11/2/95	BCL	MPV	GRM	INCRP DCR 94-12 CMB & CMB
4	5/11/92	MRS	BCL	GRM	INCRP MMOD 91-622 CMB
3	10/3/86	MWP	BCL	RRC	REVISED PER PIPING CONNECTION ISSUES & LATEST U.S. PAID-LEGEND NOTE 1 & 2. LATEST U.S. PAID-LEGEND NOTE 1 & 2. LATEST U.S. PAID-LEGEND NOTE 1 & 2. LATEST U.S. PAID-LEGEND NOTE 1 & 2.
2	5/25/86	WAL	VNK	RRC	UPDATED PER LATEST U.S. PAID-LEGEND NOTE 1 & 2.
1	8/27/86	WAL	JOM	WFO	ISSUED FOR OPERATIONS
0	8/27/84	MRS	RSL	WFO	ISSUED FOR FIELD VERIFICATION

**FPL ENERGY** Seabrook Station

**DIESEL GENERATOR  
INTAKE, EXHAUST & CRANKCASE  
VACUUM SYSTEM, TRAIN 'B'  
DETAIL**

PID- 1-DG-B20467

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
9					EMERG DG INTK, EXH & CRANKCASE VACUUM SYS
5					EMERG DG AIR INLET FILTER (DRY TYPE)
E					EMERG DG EXHAUST SILENCER (IN 26" INLET)
13					D.G. AIR SYS. PAID