

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:

1. WORK THIS DRAWING WITH DRAWINGS 20300, 20302, 20303, 20305 & 20306.
2. ALL HVAC EQUIPMENT & INSTRUMENTS HAVE SYSTEM PREFIX 'CBA', UNLESS NOTED OTHERWISE.
3. FOR SYMBOL LEGEND SEE DRAWING 20302.
4. INSTRUMENT REFERENCES:
 - (A) TIE-IN FOR UNIT HEATERS UH-120 THRU UH-125 & TISL-5357 ON THIS DRAWING.
 - (C) SAFETY INJECTION SIGNAL 'SI'
 - (D) INTERLOCK WITH FILTER RECIRC. SIGNAL, LOGIC DIAGRAM 503231.
 - (K) TO PDIS-5332 ON DRAWING 20303
5. EXHAUST FAN FN-15 & DAMPER DP-28 IS SIZED FOR 1200 CFM CONSIDERING THE WORST POSSIBLE CASE OF ZERO CFM EXFILTRATION.
6. 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 \pm 10% MAKE-UP	RECIRC	FAN TAG NUMBER	FILTER TAG NUMBER	NORMAL MAKE-UP TOTAL-1000 \pm 10%
CBA-FN-16A	CBA-F-38	540 TO 600	390 TO 610 COMBINED	CBA-FN-27A	CBA-F-38	500 \pm 10%
	CBA-F-8038	0			CBA-F-8038	500 \pm 10%
CBA-FN-16B	CBA-F-38	0	390 TO 610 COMBINED	CBA-FN-27B	CBA-F-38	500 \pm 10%
	CBA-F-8038	540 TO 600			CBA-F-8038	500 \pm 10%

12. I-CBA-V-83 WILL BE NORMALLY OPEN/THROTTLED TO A PRESET POSITION.

13. DELETED

14. DELETED

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

16	10/28/11	JM	ECSS	2444	INCORP EC*145359
15	4/21/09	BCS	JM	CIC	INCORP EC*2499
14	10/31/06	JM	BCS	RRB	INCORP MMOD 03-504 DCN 00
13	5/2/00	DWS	BCS	JMS	INCORP DCR 980039 DCN*04
12	3/24/00	DWS	BCS	JMS	INCORP DCR 980039 DCN*00
11	2/15/00	DWS	BCS	JMS	PARTIAL INCORP DCR 980039 DCN*00
10	8/10/99	DWS	BCS	MKC	INCORP DCR 980047 DCN*00 & 03, DCR 980004 DCN*00
9	10/2/98	MPW	BCS	GPM	INCORP DCR 98-25 DCN 00
8	7/03/98	JWB	JLM	JMS	INCORP DCR 98-37 DCN 00
7	6/12/95	BCL	DJM	JMS	INCORP MMOD-94-570 CA-0
6	7/25/94	BCL	MPW	JMOC	INCORP DCR 98-001 CA-11
5	4/28/93	BCL	MRB	1W	REINCORP DCR-86-709, CA-23
4	3/31/93	BCL	MRB	JCM	INCORP MMOD-92-553, CA-0
3	9/29/89	MRB	JM	JMS	INCORP DCR 86-709 CA
2	2/24/87	JDM	PAL	MAC	ADDED NOTE 10 AND 11
1	6/23/86	JDM	VNK	RRC	ADDED P&ID LEGEND NOTE, CONT DWS COORD'S, INCORP ECA 99/112947F AND DCR 528, REMOVED DASH LINE FROM INST.
0	3/4/86	DWS	WES	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXTERA ENERGY
SEABROOK

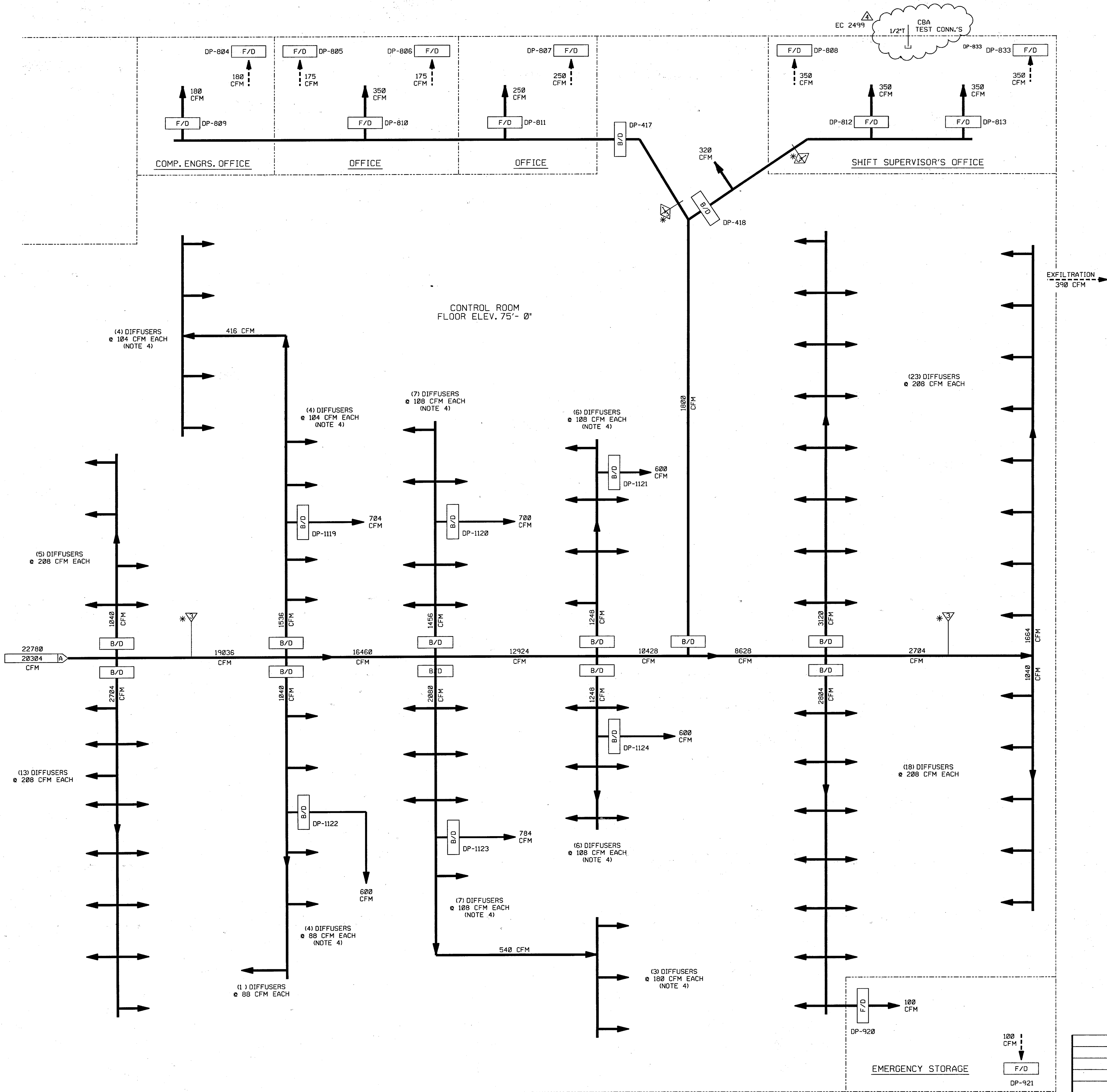


CONTROL BUILDING AIR HANDLING
MECHANICAL ROOM ELEVATION 75'-0"
DETAIL

PID-1-CBA-B20304

REF. DRAWING NO.	REV	TITLE
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

PID-1-CBA-B20305



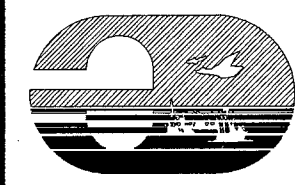
NOTES:

- 1.) WORK THIS DRAWING WITH B20300, B20302 THRU B20304 & B20306.
- 2.) ALL HVAC EQUIPMENT & INSTRUMENTS HAVE SYSTEM PREFIX "CBA", UNLESS NOTED OTHERWISE.
- 3.) FOR SYMBOL LEGEND SEE DRAWING B20302.
- 4.) FLOW DISTRIBUTION TO EACH DIFFUSER IS NOT CRITICAL, PROVIDED THAT THE OVERALL BRANCH FLOW IS WITHIN ±10% OF SPECIFIED FLOW.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

4	4/21/09	BCS	JW	CL	INCRP EC * 2499
3	8/10/99	DWS	BCS	MKC	INCRP DCR 980204 DCN*00 & 03
2	6/12/95	BCL	DWS	DJM	INCRP MMOD 94-570 CA0
1	03/11/94	MRB	BCL	GRM	INCRP MMOD 92-553 CA01
0	03/04/86	DWS	WES	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY Seabrook Station



CONTROL BUILDING AIR HANDLING
CONTROL ROOM
DETAIL

PID-1-CBA-B20305

9763-F-604092	13	CONTROL RM. HT., VENT & AIR COND., MECH. EQUIP. RM.
9763-F-614128	11	CONTROL RM., MAKE-UP AIR SYS., AIR FLOW DIA.
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 20492, 20494 THRU 20496 & 20498 THRU 20508.
 2. ALL HVAC, EQUIP. COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX
FAH (FUEL STORAGE BLDG. AIR HANDLING), UNLESS NOTED.
 3. FOR SYMBOL LEGEND, SEE NOTE 3 ON DRAWING 20494.
 4. ALL DUCTWORK, UNLESS NOTED.
 5. FILTER HOUSING DIFFERENTIAL PRESS. & 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 |
|----------------|----------------|----------------|---------------------|----------------------------|---------------------------------|---------------------------------|
| FAH-F-41 | 17700 | 16000 | 15200 | 16450 | 18095 | 14805 |
| FAH-F-74 | 17700 | 16000 | 15200 | 16450 | 18095 | 14805 |
6. △ INDICATES REVISION LEVEL.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

10	7/23/12	JM	ES	DM	INCORP EC-145215
9	2/4/00	BCS	MPW	CM	INCORP DCR 91-017 DCN-0
8	5/11/92	MRB	BCL	GPM	INCORP MMOD 91-622 CA0
7	8/16/91	GPM	JM	IW	INCORP. DCR 86-554 CA0
6	12/19/90	MRB	JM	IW	INCORP. DCR 87-373 CA0
5	4/11/90	HP	MRB	DJM	INCORP DCR 86-548 CA0
4	4/27/89	GPM	MRB	MAC	INCORP. DCR 86-555 CA 9
3	2/24/87	PAL	MPW	MAC	ADDED ECA 99/115114A, CONT. REF. DWGS., NOTE 6, PIPE TUNNEL AND CORRECTED DRAFTING ERRORS PER UESC P&ID INCORP. DCR-528.
2	12/23/86	JDM	PAL	RRC	ADDED P&ID LEGEND NOTE, CONT. REF. DWGS., INCORP. ECA 98/117840A
1	9/2/86	JDM	MAP	RRC	INCORP ECA 98/117840A
0	6/12/86	DWS	JDM	WFO	ISSUED FOR OPERATIONS INCORP. ECA 99/112947B
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

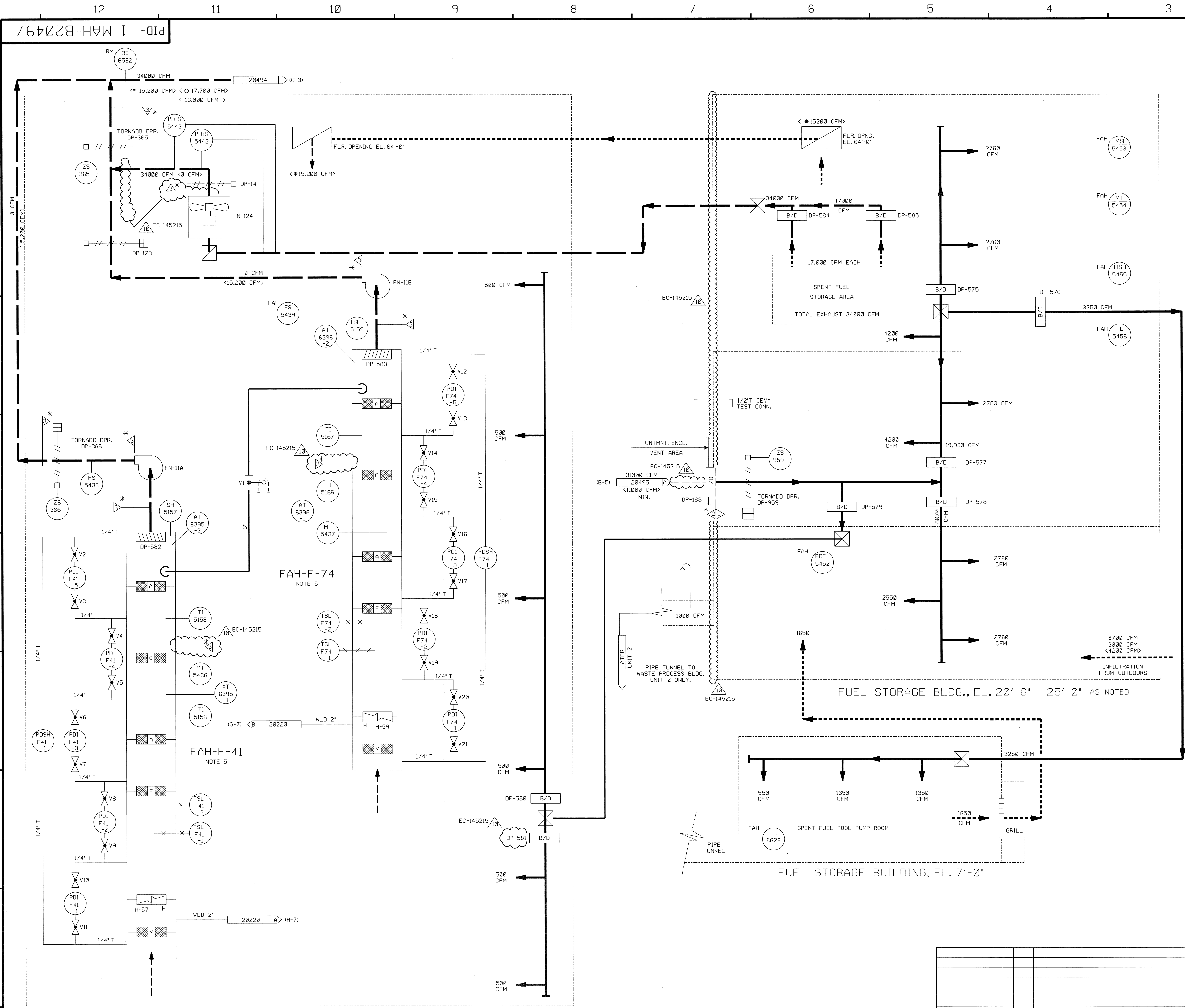
Nextera ENERGY
SEABROOK

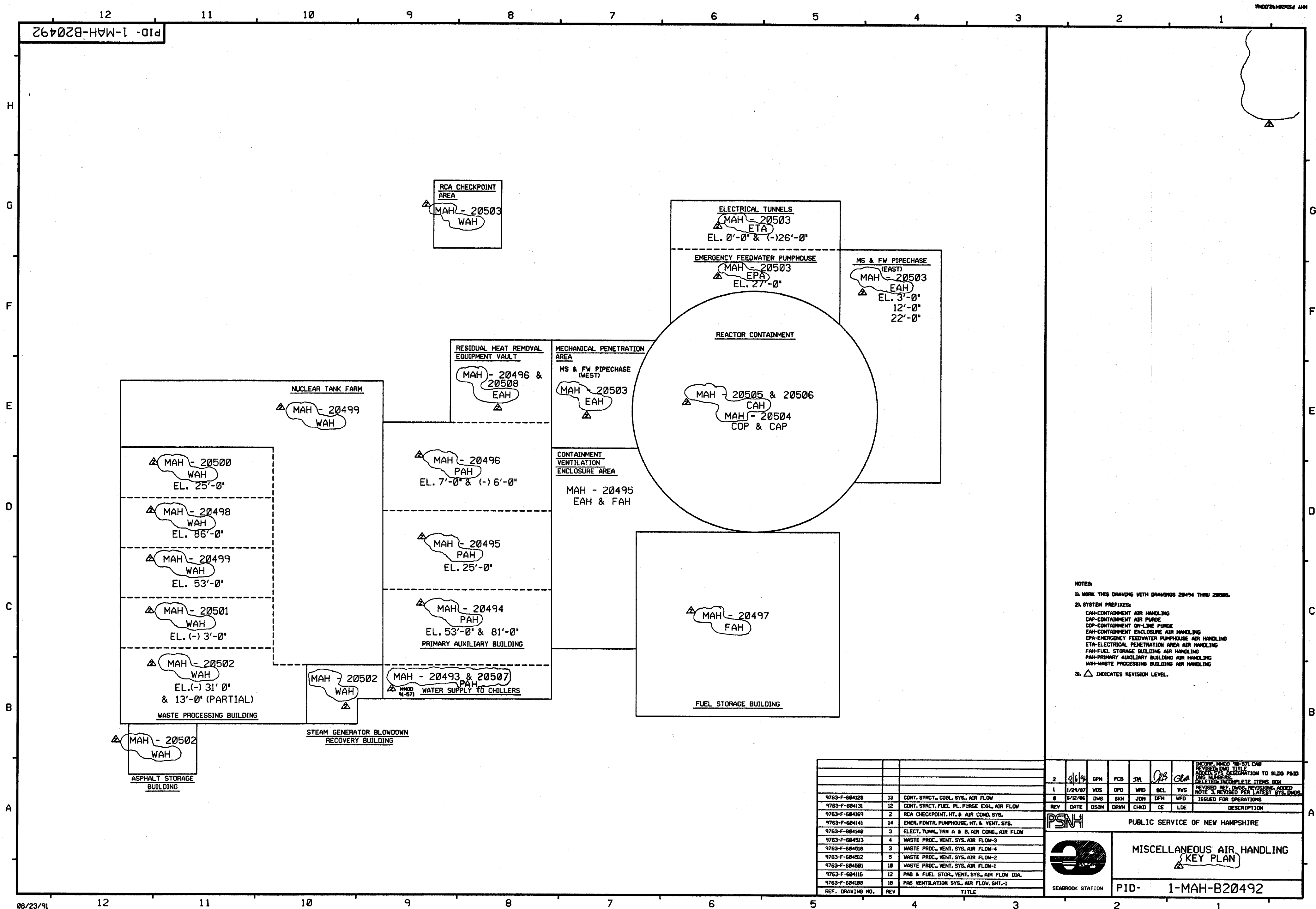


MISCELLANEOUS AIR HANDLING
FUEL STORAGE BUILDING
DETAIL

PID- 1-MAH-B20497

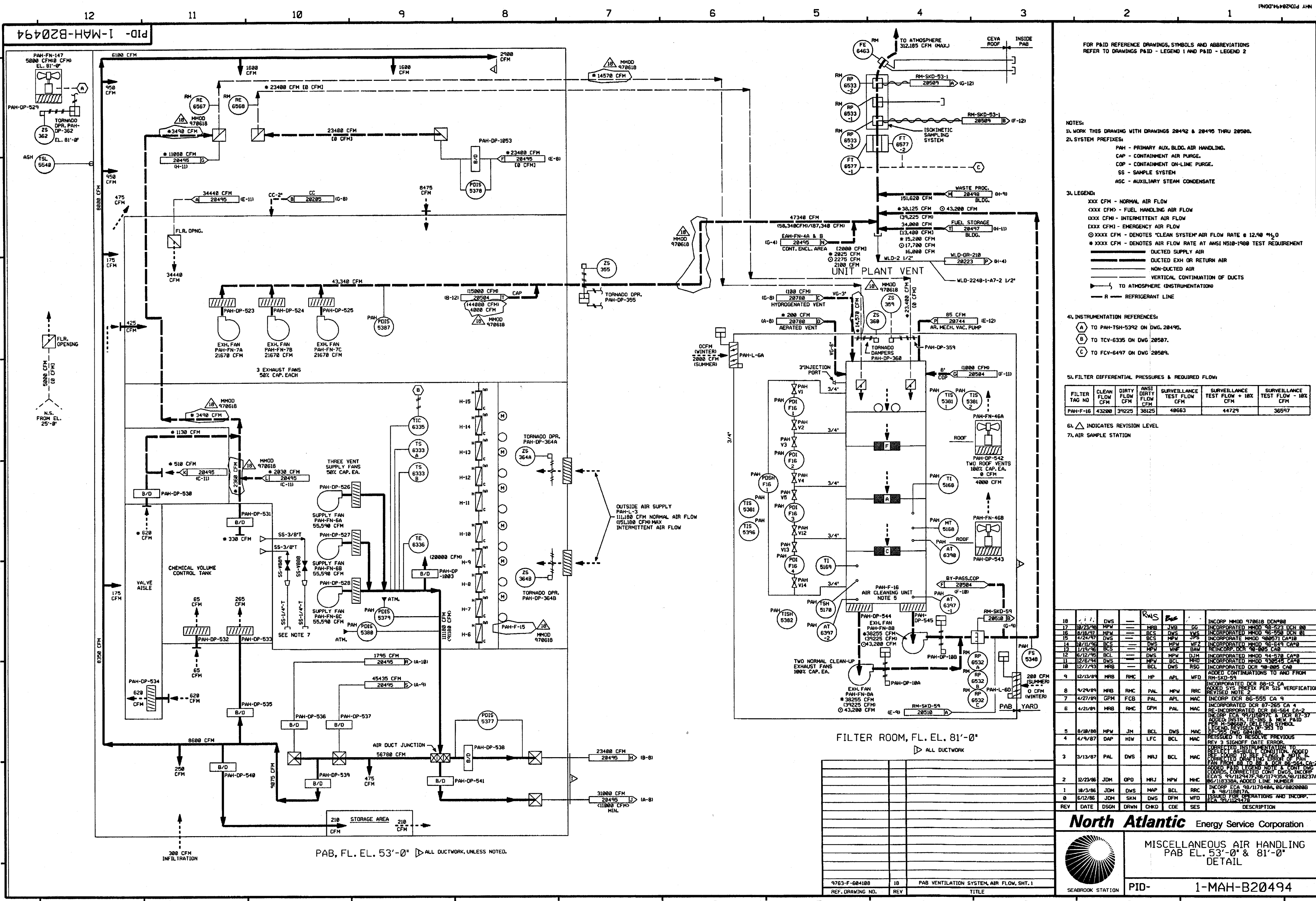
9763-F-604116	12	PAB & FUEL STOR. BLDG., VENTIL. SYS.
REF. DRAWING NO.	REV	TITLE





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.

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- 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 %₂O
 - 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

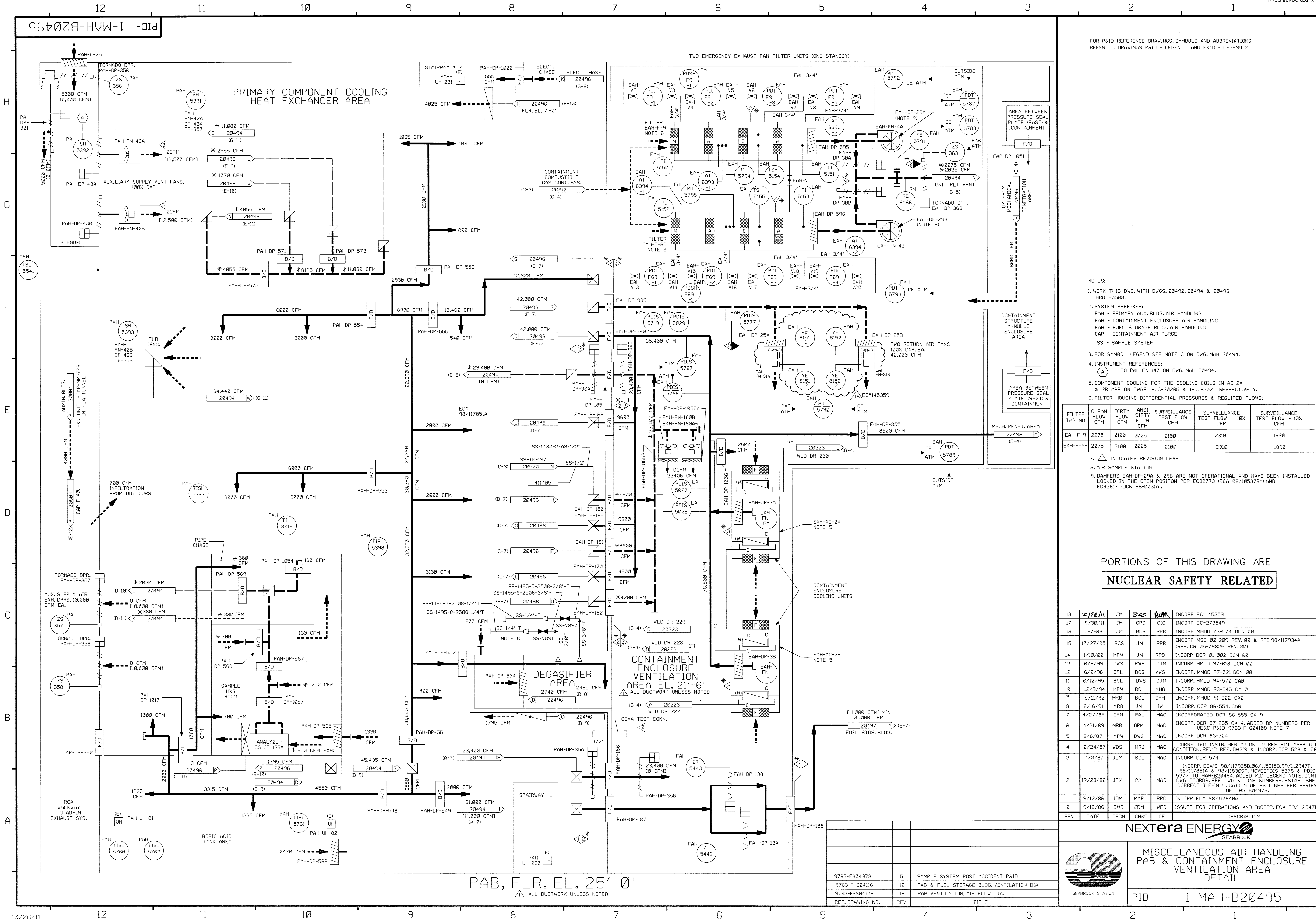
18	11/23/98	DWS	MAC	DWS	MAC	INCORP MMOD 970618 DCM#8
17	8/18/97	MPW	MAC	DWS	MAC	INCORP MMOD 95-522 DCM#8
16	8/18/97	MPW	MAC	DWS	MAC	INCORP MMOD 95-520 DCM#1
15	4/24/97	DWS	MAC	DWS	MAC	INCORP MMOD 960571 CA#10
14	10/17/96	BCL	MAC	DWS	MAC	INCORP MMOD 95-524 CA#9
13	11/19/96	BCL	MAC	DWS	MAC	INCORP MMOD 95-525 CA#9
12	6/12/95	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 93-585 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 92-112 CA#4
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 93/11748A, 95/682008B & 96/118017A
0	6/12/86	JDM	MAC	DWS	MAC	ISSUED FOR OPERATIONS AND INCORP. ECA 92/112547
REV	DATE	DSGN	DRWN	CHKD	SES	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:
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	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
9. DAMPERS EAH-DP-29A & 29B ARE NOT OPERATIONAL AND HAVE BEEN INSTALLED LOCKED IN THE OPEN POSITION PER EC32773 (ECA 06/105376A) AND EC82617 (DCN 66-0031A).

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

18	10/28/11	JM	BES	RM	INCORP EC*145359
17	9/30/11	JM	GPS	CIC	INCORP EC*273549
16	5-7-08	JM	BCS	RRB	INCORP MM0D 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	6/9/99	DWS	RWS	DJM	INCORP MM0D 97-618 DCN 00
12	6/2/98	DRL	BCS	VWS	INCORP. MM0D 97-521 DCN 00
11	6/12/95	BCL	DWS	DJM	INCORP. MM0D 94-570 CA 0
10	12/9/94	MPW	BCL	MHO	INCORP. MM0D 93-545 CA 0
9	5/11/92	MRB	BCL	GPM	INCORP. MM0D 91-622 CA 0
8	8/16/91	MRB	JM	IW	INCORP. DCR 86-554, CA 0
7	4/21/89	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 US&C 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 82B & 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 & 98/118306F. 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 884978.
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

NEXTERA ENERGY
SEABROOK STATION

MISCELLANEOUS AIR HANDLING
PAB & CONTAINMENT ENCLOSURE
VENTILATION AREA
DETAIL

PID- 1-MAH-B20495

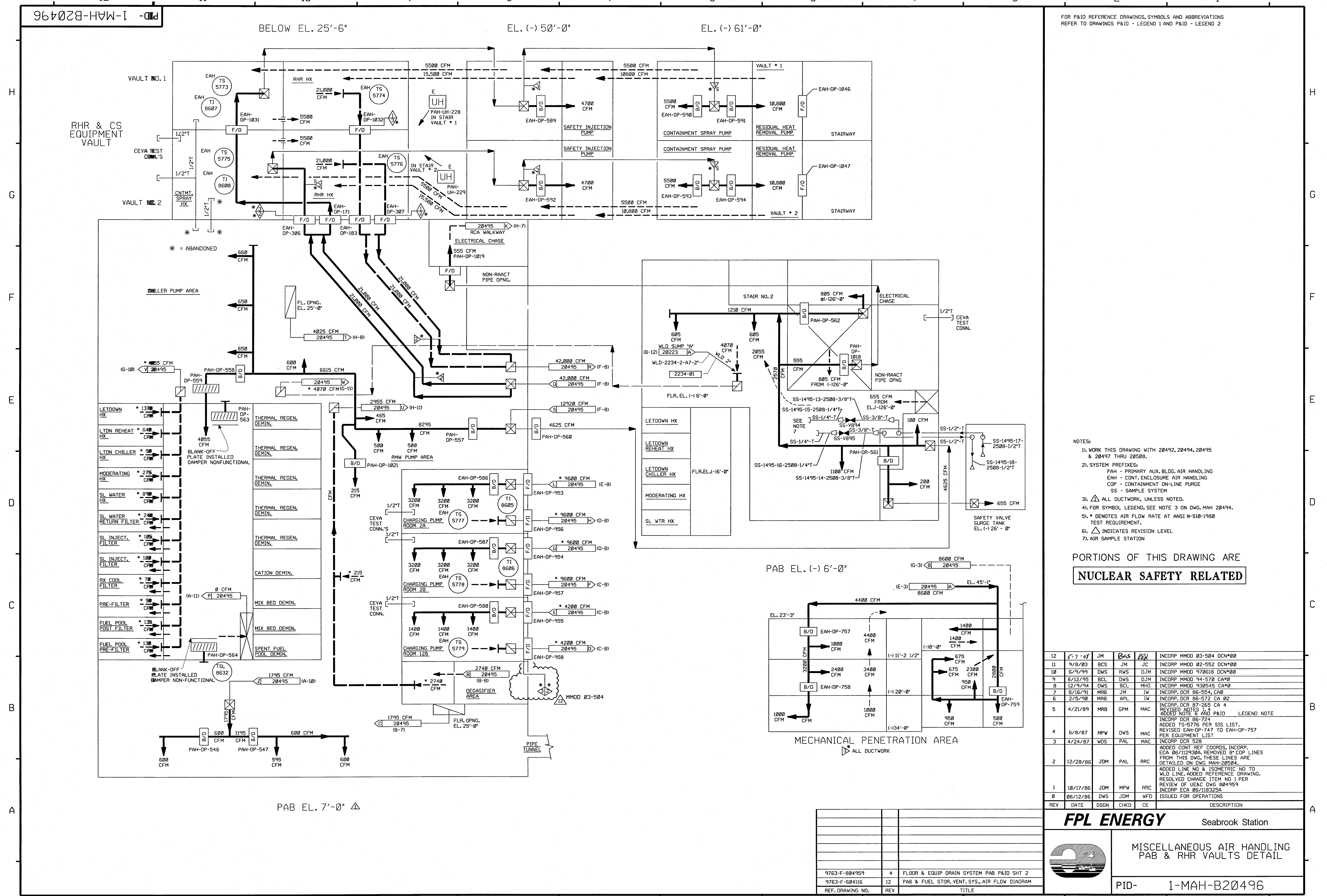
REF. DRAWING NO.	REV	TITLE
9763-F-804978	5	SAMPLE SYSTEM POST ACCIDENT P&ID
9763-F-604116	12	PAB & FUEL STORAGE BLDG. VENTILATION DIA
9763-F-604108	18	PAB VENTILATION, AIR FLOW DIA.

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. 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

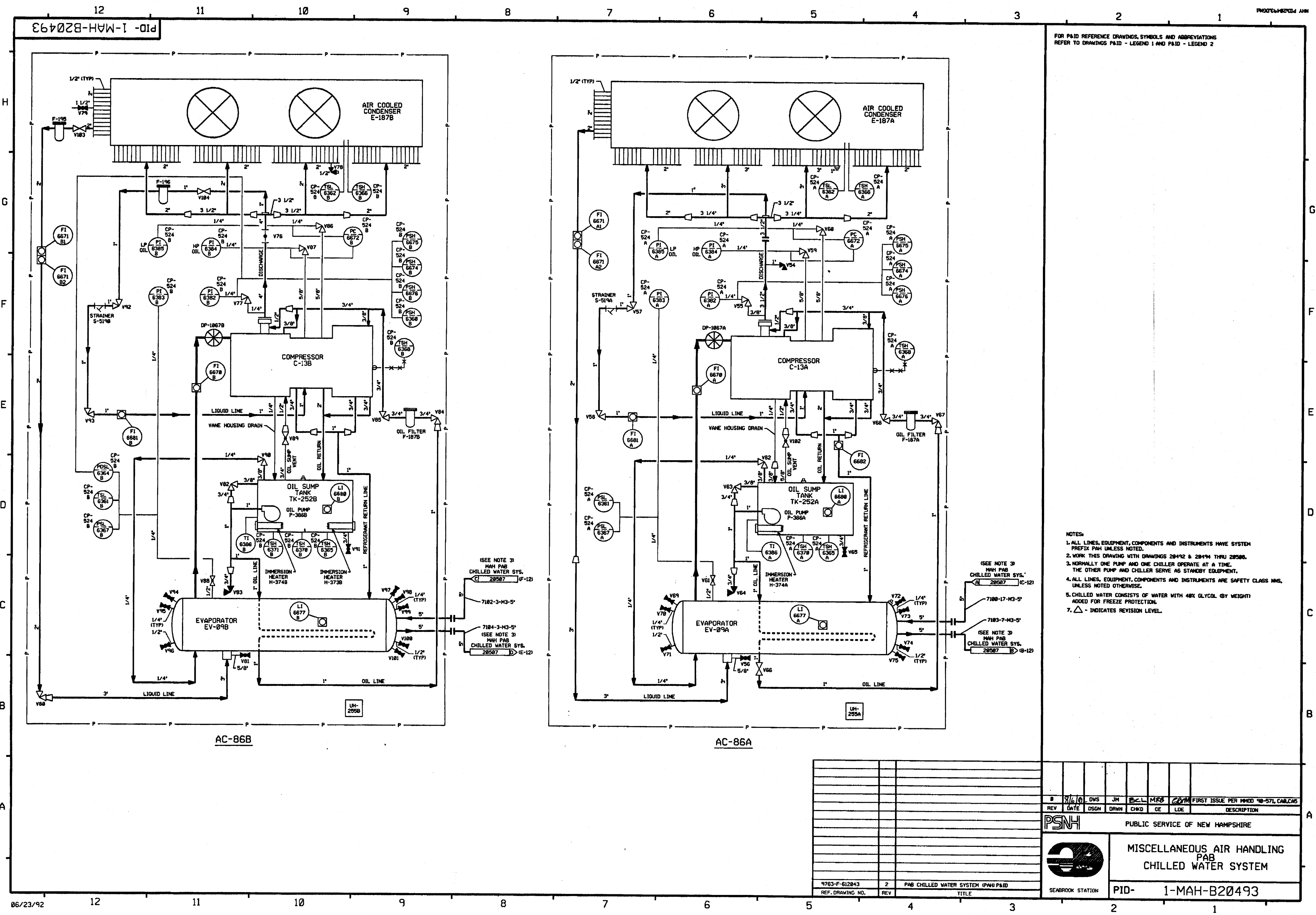
12	5-7-01	JM	Bes	PP	INCORP MM00 03-504 DCN#00
11	9/8/03	BCS	JM	JC	INCORP MM00 02-552 DCN#00
10	6/9/99	DWS	RWS	DJM	INCORP MM00 970618 DCN#00
9	6/12/95	BCL	DWS	DJM	INCORP MM00 94-578 CA#0
8	12/9/94	DWS	BCL	MHO	INCORP MM00 930545 CA#0
7	8/16/91	MRB	JM	TW	INCORP DCR 86-554, C&D
6	2/5/90	MRB	APL	IW	INCORP 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. ECA 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 US&C DWG 804959
0	06/12/86	DWS	JDM	WFD	INCORP ECA 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

REF. DRAWING NO.	REV	TITLE
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



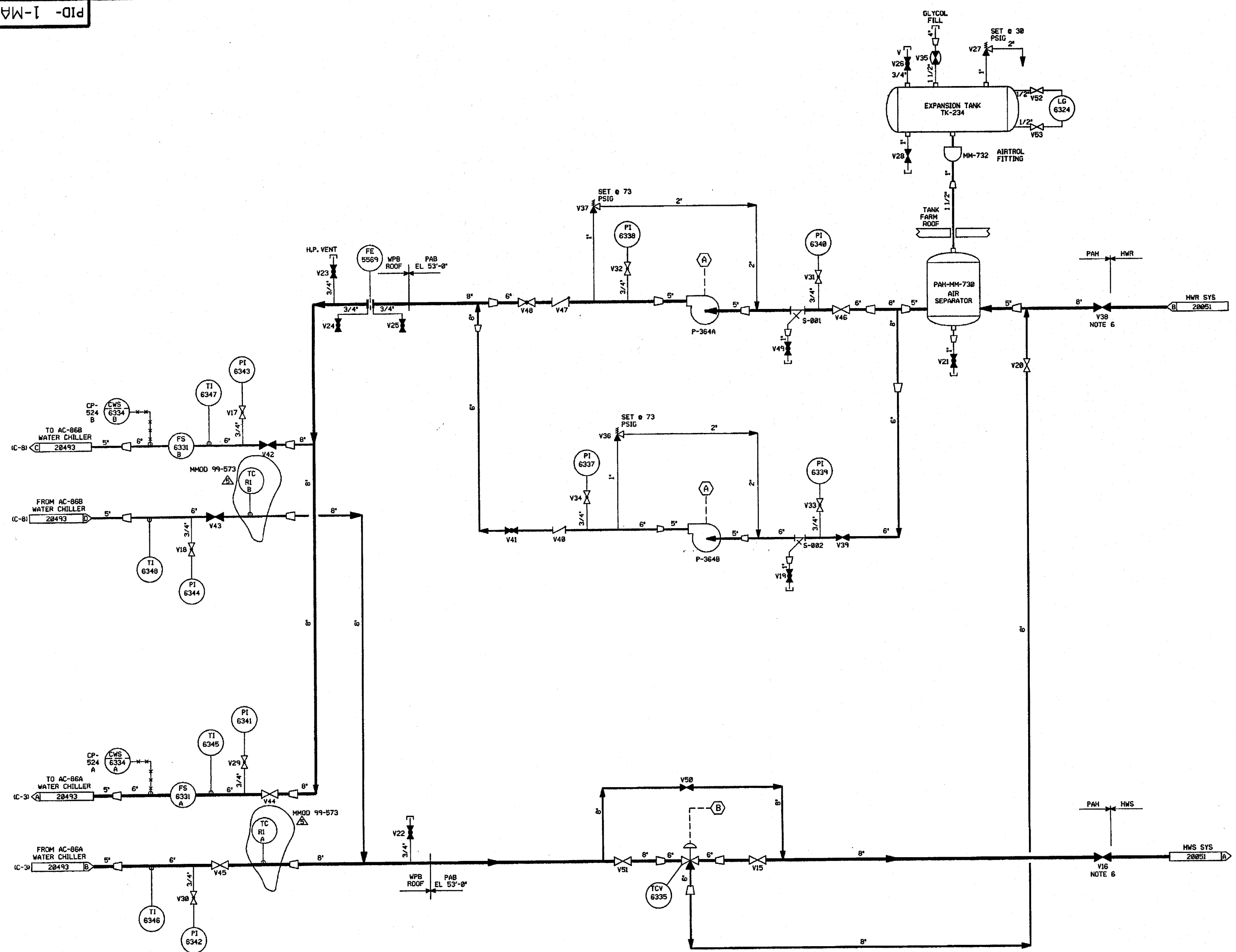
FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2

- 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 40% GLYCOL (BY WEIGHT) ADDED FOR FREEZE PROTECTION.
 7. Δ - INDICATES REVISION LEVEL.

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PID-1-MAH-B20507

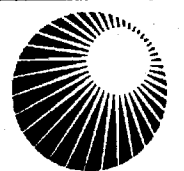
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2



- 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. Δ - INDICATES REVISION LEVEL.

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

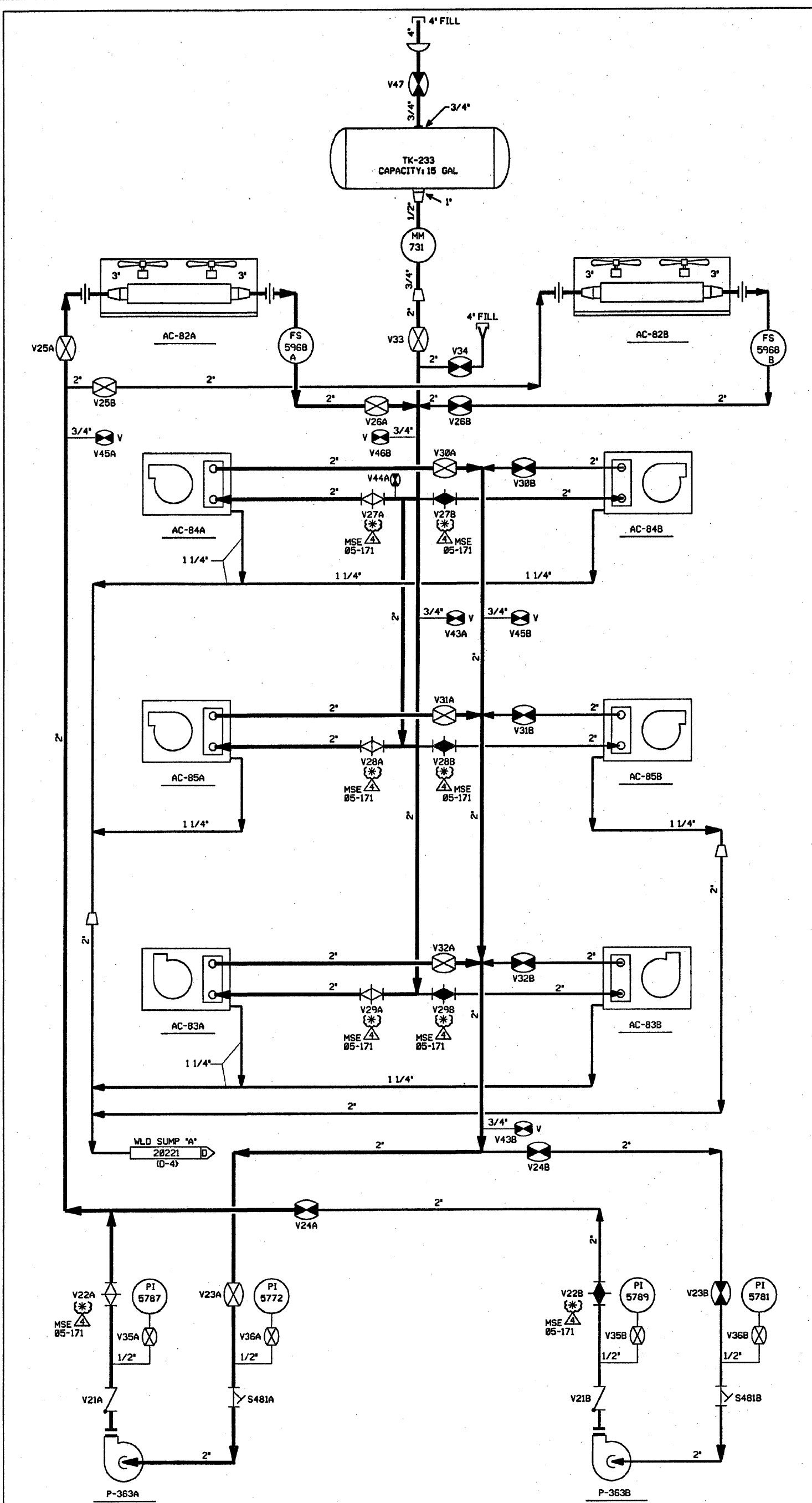
5	7/24/82	BCS	—	DWS	JWB	MAC	INCORP. MMOD 99-573 DCN-00
4	8/6/92	MRB	FCB	JH	BCL	GRM	INCORP. MMOD 98-571, CAB REVISED NOTE 4 PER NHY ENG DESIGN STD 31700 SEC 3.0 CLARIFIED LINE SIZE ON S-001
3	6/8/87	JDM	TAK	DWS	BCL	MAC	VALVES V42 & V43 SHOWN CLOSED, VALVES V44 & V45 SHOWN OPEN, INCORP. ECA 99/115697C 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 Δ , 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 86/114659A & 13/882242A
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION

**North Atlantic** Energy Service Corporation

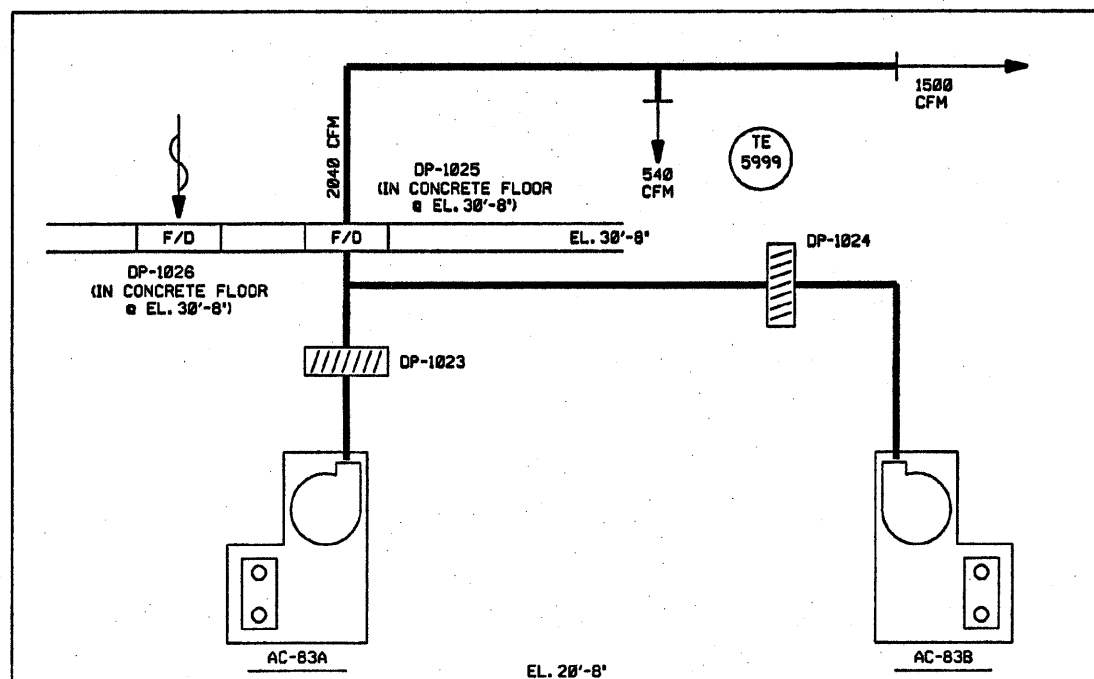
MISCELLANEOUS AIR HANDLING
PAB
CHILLED WATER SYSTEM

PID-1-MAH-B20507

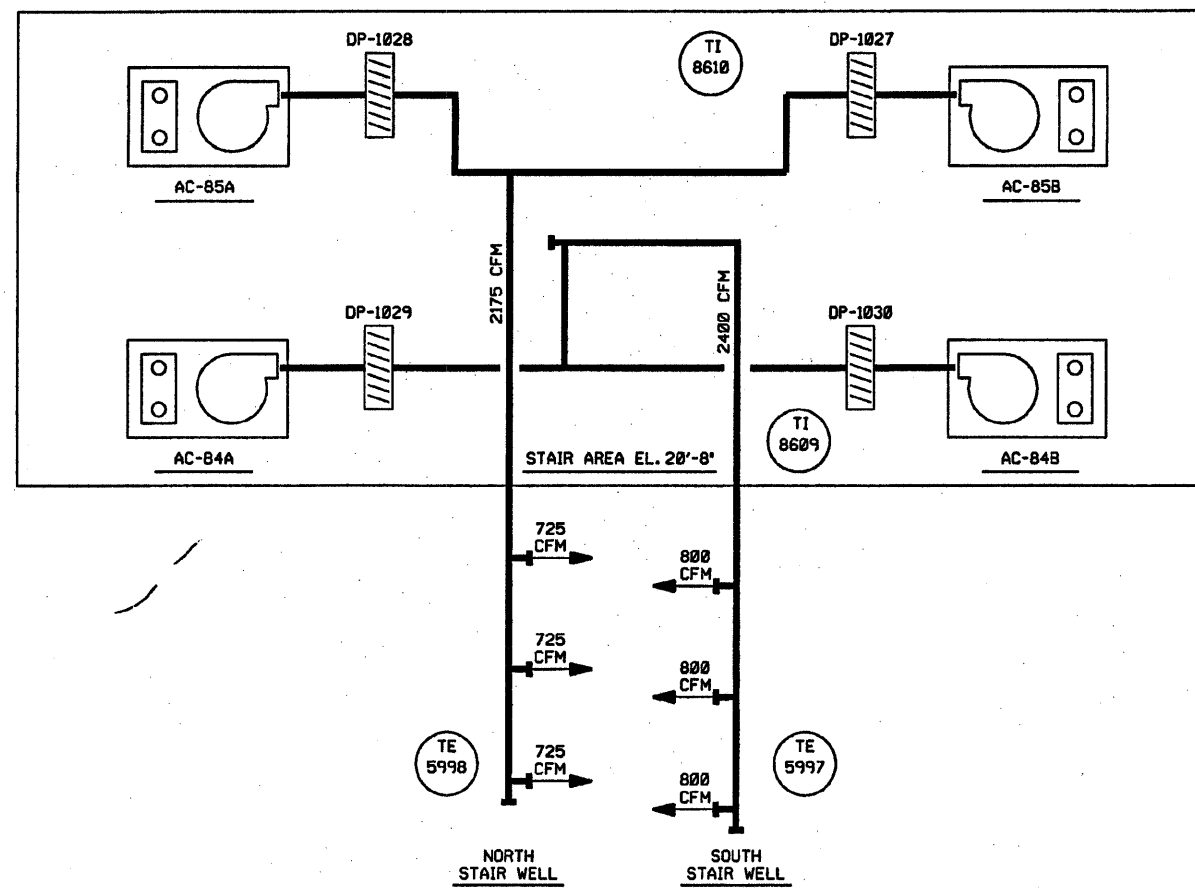
9763-F-612843	2	PAB CHILLED WATER SYSTEM (PAB) P&ID
REF. DRAWING NO.	REV	TITLE



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

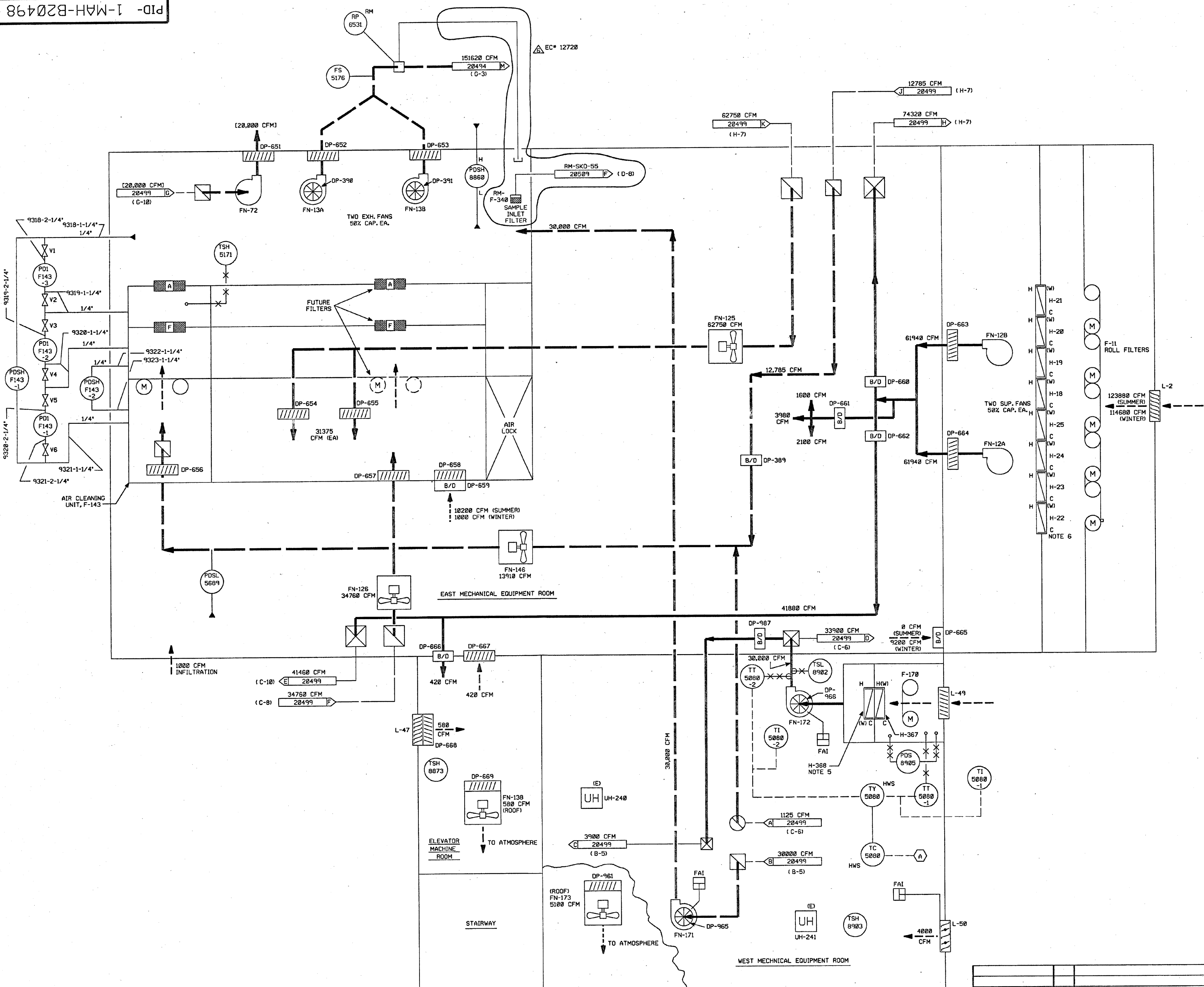
GLYCOL, AIR FLOW DIAGRAM
AC SYSTEM
ELECTRICAL VAULT & STAIRS

PID- 1-MAH-B20508

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

PID-1-MAH-B20498

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 20497 & 20499 THRU 20508.
 - 2) ALL HVAC EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX WAH (WASTE PROCESSING BLDG. AIR HANDLING), UNLESS NOTED.
 - 3) FOR SYMBOL LEGEND, SEE NOTE 3 ON DWG. B20494.
 - 4) INSTRUMENT REFERENCE
(A) TO HWS-TCV-50880 ON DWG. HW-20050
 - 5) H-367 IS LOCATED ABOVE H-368 IN PLENUM FOR HEATER PIPING SEE DRAWING 1-HW-20050.
 - 6) H-18 THRU H-25 HEATER PIPING SEE DRAWING 1-HW-20050.
 - 7) ALL DUCTWORK, UNLESS NOTED.
 - 8) 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 |
|----------------|----------------|----------------|---------------------|----------------------------|---------------------------------|---------------------------------|
| WAH-F-143 | 15200 | 14000 | 13300 | 14200 | 15620 | 12710 |
- 9) Δ INDICATES REVISION LEVEL.
10) UNLESS SPECIFIED ALL LINE NUMBERS ARE SPEC 236-11.

6	5/15/09	JM	BS	DDM	INCORPORATED EC* 12720
5	8/2/88	MPW	BCL	MAC	REVISED INSTR. TIE-INS AND ADDED NEW P&ID PER M-506885
4	4/9/87	DAP	LFC	MAC	ISSUED TO SOLVE PREVIOUS REV 3 SIGNOFF DATE ERROR.
3	3/13/87	MRJ	DWS	RRC	REVISED INSTR. SIGNAL SYMBOL AND TEE-IN LOC. CORRECTED DRAFTING ERRORS. REVISED NOTES 4 & 7, ADDED NOTE 9 & 10, INCORP. OCR 86-686.
2	12/23/86	JDM	PAL	RRC	CORRECTED FAN I.D. NUMBER, ADDED P&ID LEGEND NOTE, ADDED CONTINUATION DWG COORDINATES, INCORP. ECA 99/112947F & ECA 118206A.
1	9/2/86	MAP	JDM	RRC	INCORP. ECA 99/117635A
0	08/08/86	JDM	DWS	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

FPL ENERGY

Seabrook Station

MISCELLANEOUS AIR HANDLING WASTE PROCESSING BUILDING DETAIL

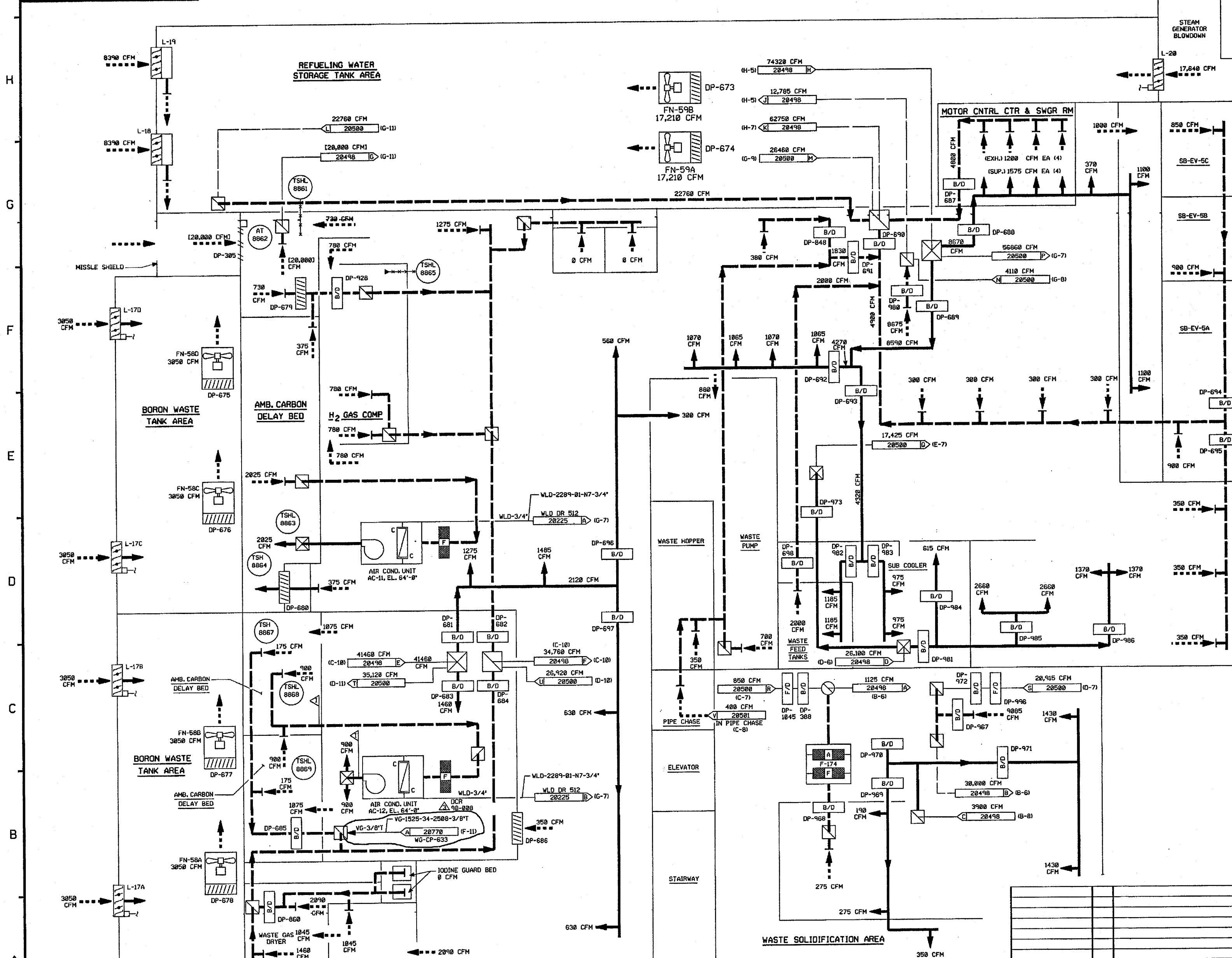
PID-1-MAH-B20498

REF. DRAWING NO.	REV	TITLE
9763-F-684518	3	WASTE PROC. BLDG., VENT. SYS., AIR FLOW-4
9763-F-684501	10	WASTE PROC. BLDG., VENT. SYS., AIR FLOW-1

FLR. EL. 86'-0"

660499-1-MAH-B20499

FOR PAID 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 WHP (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	8/26/97	MPW		MAC	INCORP. DCR '98-008 DCH 00
2	4/9/97	DAP	TAK	LFC	REVISED REV. 1 SIGNOFF DATE ERROR
1	3/13/97	WDS	MPW	MRJ	INCORP. DCR 86-586
0	8/12/86	DWS	WES	JDM	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.
REV	DATE	DSGN	DRWN	CHKD	CDR

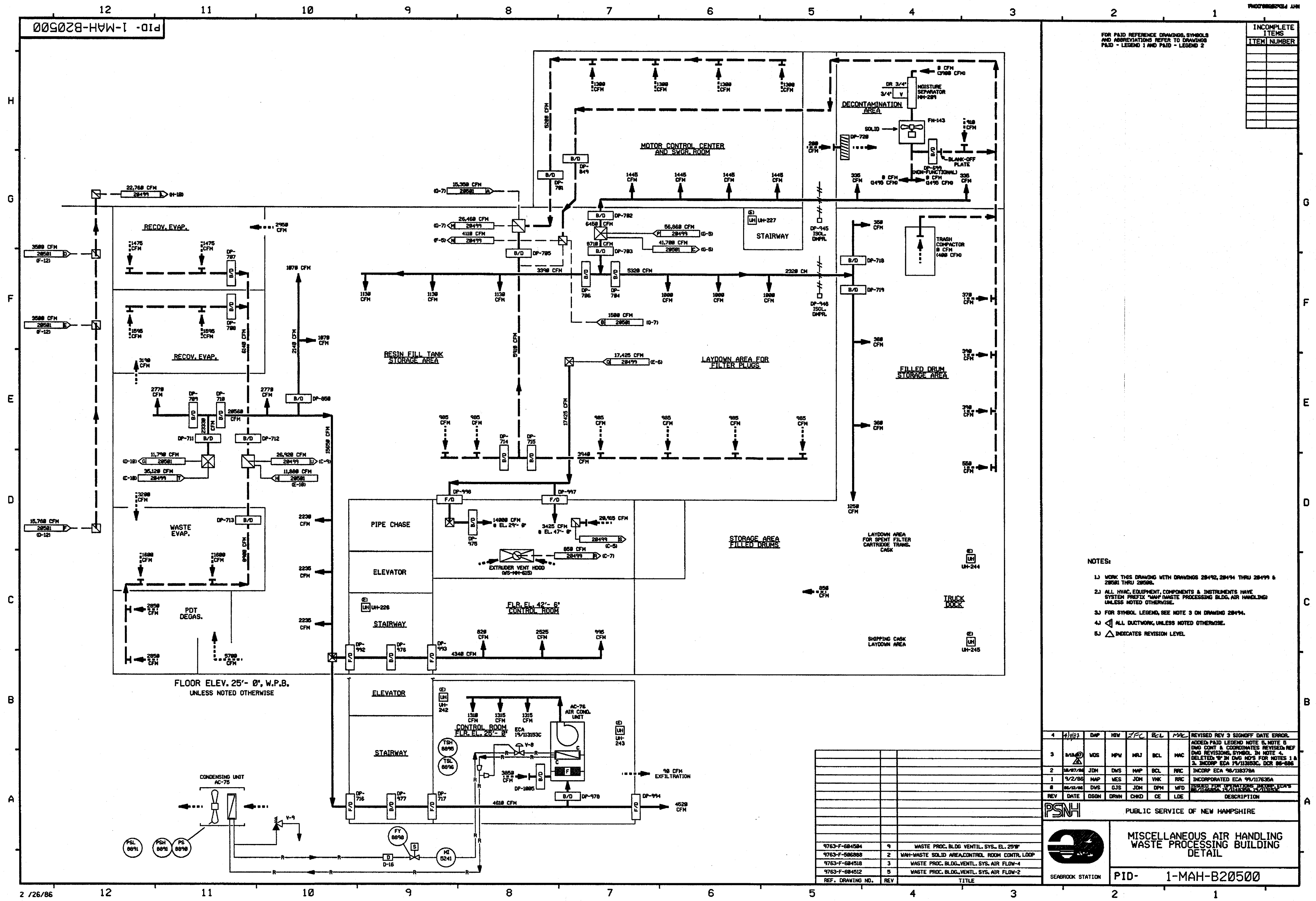
North Atlantic Energy Service Corporation



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 28499 & 28501 THRU 28508.
 - 2) ALL HVAC EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX "WMP" (WASTE PROCESSING BLDG. AIR HANDLING) UNLESS NOTED OTHERWISE.
 - 3) FOR SYMBOL LEGEND, SEE NOTE 3 ON DRAWING 28494.
 - 4) Δ ALL DUCTWORK UNLESS NOTED OTHERWISE.
 - 5) Δ 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 "B" 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	VNK	RRR	INCORPORATED ECA 99/117635A
8	88/12/88	DWS	GJS	JDM	DPH	WFD	ISSUED FOR OPERATIONS "WASTE" ECA 98/118378A, 98/118378B, 98/118378C



PUBLIC SERVICE OF NEW HAMPSHIRE



SEABROOK STATION

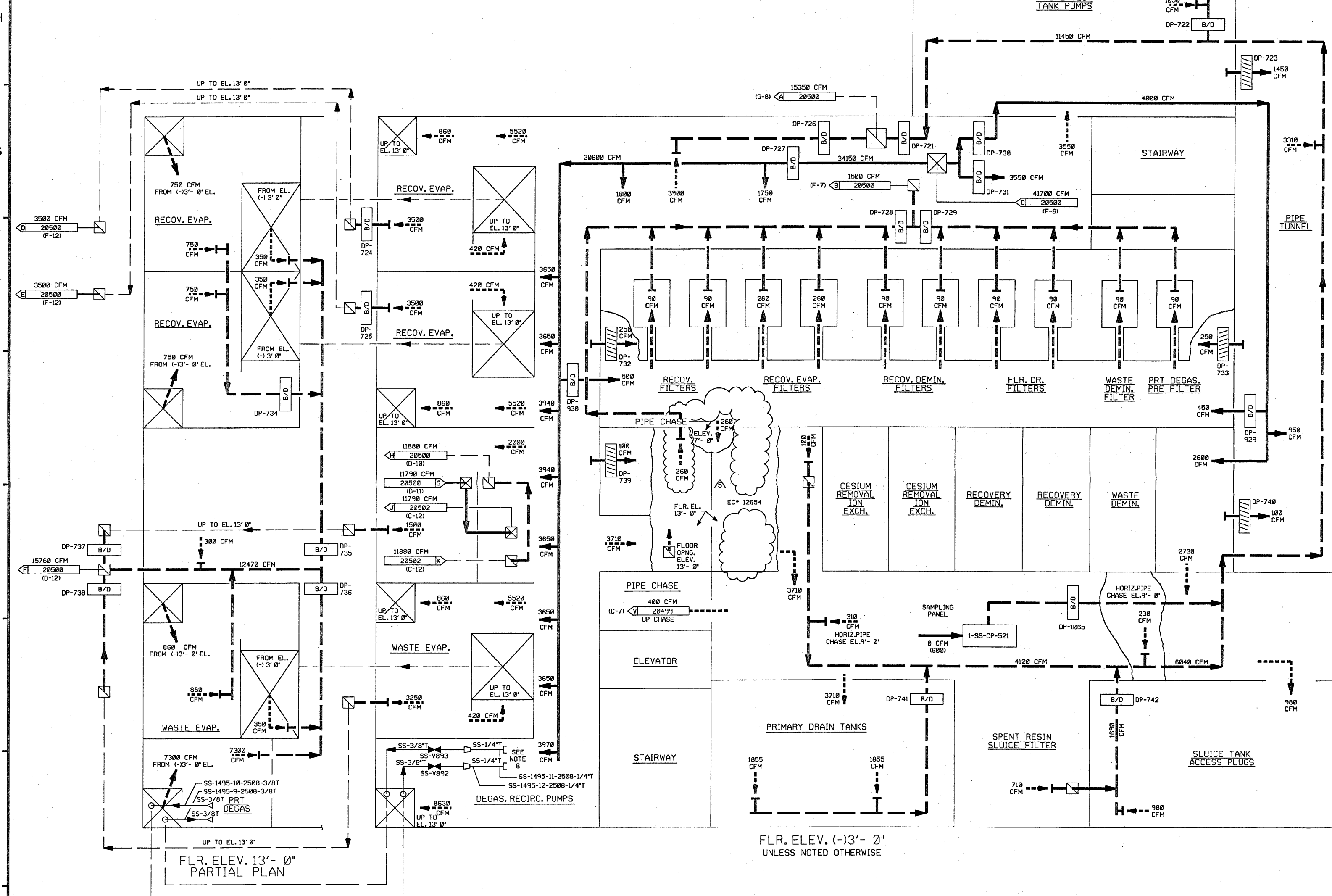
MISCELLANEOUS AIR HANDLING
WASTE PROCESSING BUILDING
DETAIL

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	WMP-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

10500-B20501-1-MAH-B20501

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

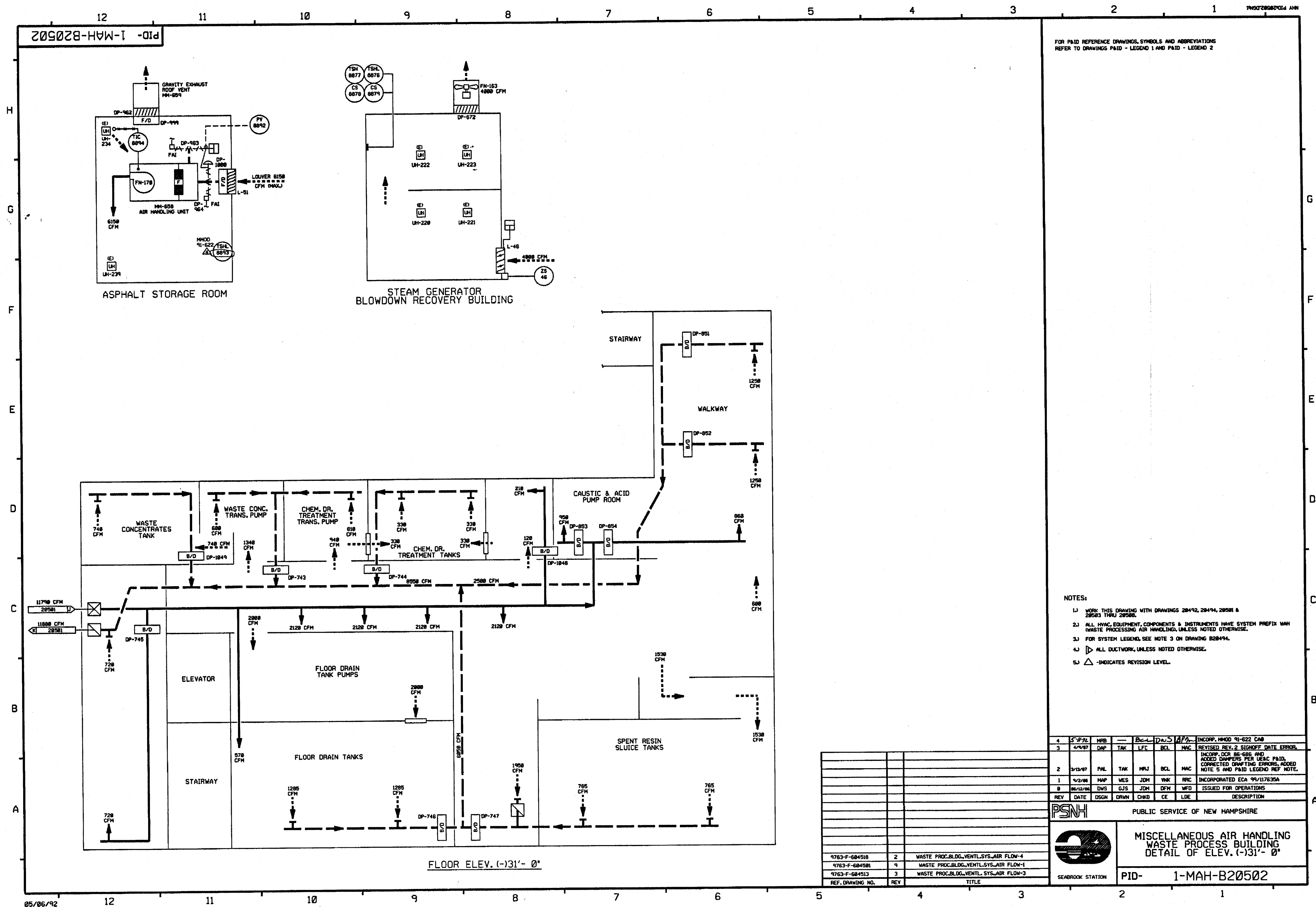


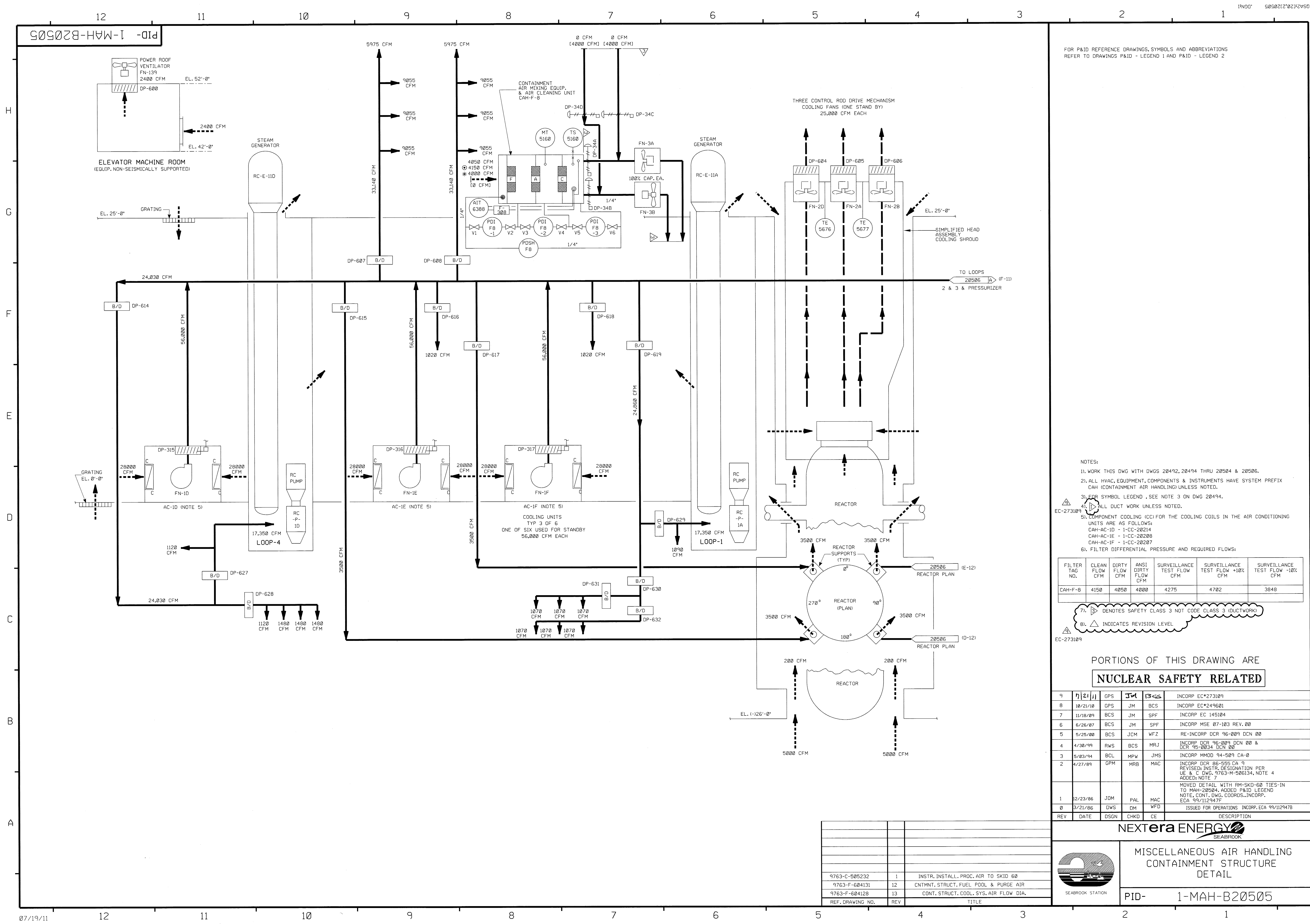
NOTES:

- 1.) WORK THIS DRAWING WITH DRAWINGS 20492, 20494 THRU 20500 & 20502 THRU 20508.
- 2.) ALL HVAC EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "MAH" (WASTE PROCESSING BUILDING AIR HANDLING), UNLESS NOTED OTHERWISE.
- 3.) FOR SYMBOL LEGEND SEE NOTE 3 ON DRAWING B20494.
- 4.) ALL DUCTWORK, UNLESS NOTED OTHERWISE.
- 5.) INDICATES REVISION LEVEL.
- 6.) AIR SAMPLE STATION.

5	6/11/09	BCS	JM	01	INCRP. EC* 12654
4	5/26/09	MRB	PAL	1W	INCORPORATED DCR 87-110 CA 11
3	4/2/09	MRB	GPM	MAC	INCORPORATED DCR 87-265 CA 4
2	4/9/07	DAP	LFC	MAC	REVISED REV. 1 SIGNOFF DATE ERROR
1	3-13-87	MRJ	DPD	MAC	ADDED CONTINUATION FLAG COORDS AND NOTES, REVISED AIR FLOW PER U&C, INCRP. DCR 86-688
0	6/12/86	DWS	JDM	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

		MISCELLANEOUS AIR HANDLING WASTE PROCESSING BUILDING DETAIL	
9763-F-684513	3	WASTE PROC. BLDG. VENTIL. SYS. AIR FLOW-3	
REF. DRAWING NO.	REV	TITLE	
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 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-10 - 1-CC-20214
CAH-AC-1E - 1-CC-20208
CAH-AC-1F - 1-CC-20207
 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	4020	4275	4702	3848

7. DENOTES SAFETY CLASS 3 NOT CODE CLASS 3 (DUCTWORK)
8. INDICATES REVISION LEVEL

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

9	7/21/11	GPS	JM	BCS	INCRP EC*273109
8	10/21/10	GPS	JM	BCS	INCRP EC*249601
7	11/18/09	BCS	JM	SPF	INCRP EC 145104
6	6/26/07	BCS	JM	SPF	INCRP MSE 07-103 REV. 00
5	5/25/00	BCS	JCM	WFZ	RE-INCRP DCR 96-009 DCN 00
4	4/30/99	RWS	BCS	MRJ	INCRP DCR 96-009 DCN 00 & DCR 95-0034 DCN 00
3	5/03/94	BCL	MPW	JMS	INCRP MMOD 94-509 CA-0
2	4/27/89	GPM	MRB	MAC	INCRP DCR 86-555 CA 9 REVISED INSTR. DESIGNATION PER UE & C DWG. 9763-M-506134, NOTE 4 ADDED NOTE 7
1	12/23/86	JDM	PAL	MAC	MOVED DETAIL WITH RM-SKD-60 TIES-IN TO MAH-20504, ADDED P&ID LEGEND NOTE, CONT. DWG. COORDS..INCRP, ECA 99/112947F
0	3/21/86	DWS	DM	WFD	ISSUED FOR OPERATIONS INCRP.ECA 99/112947B
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

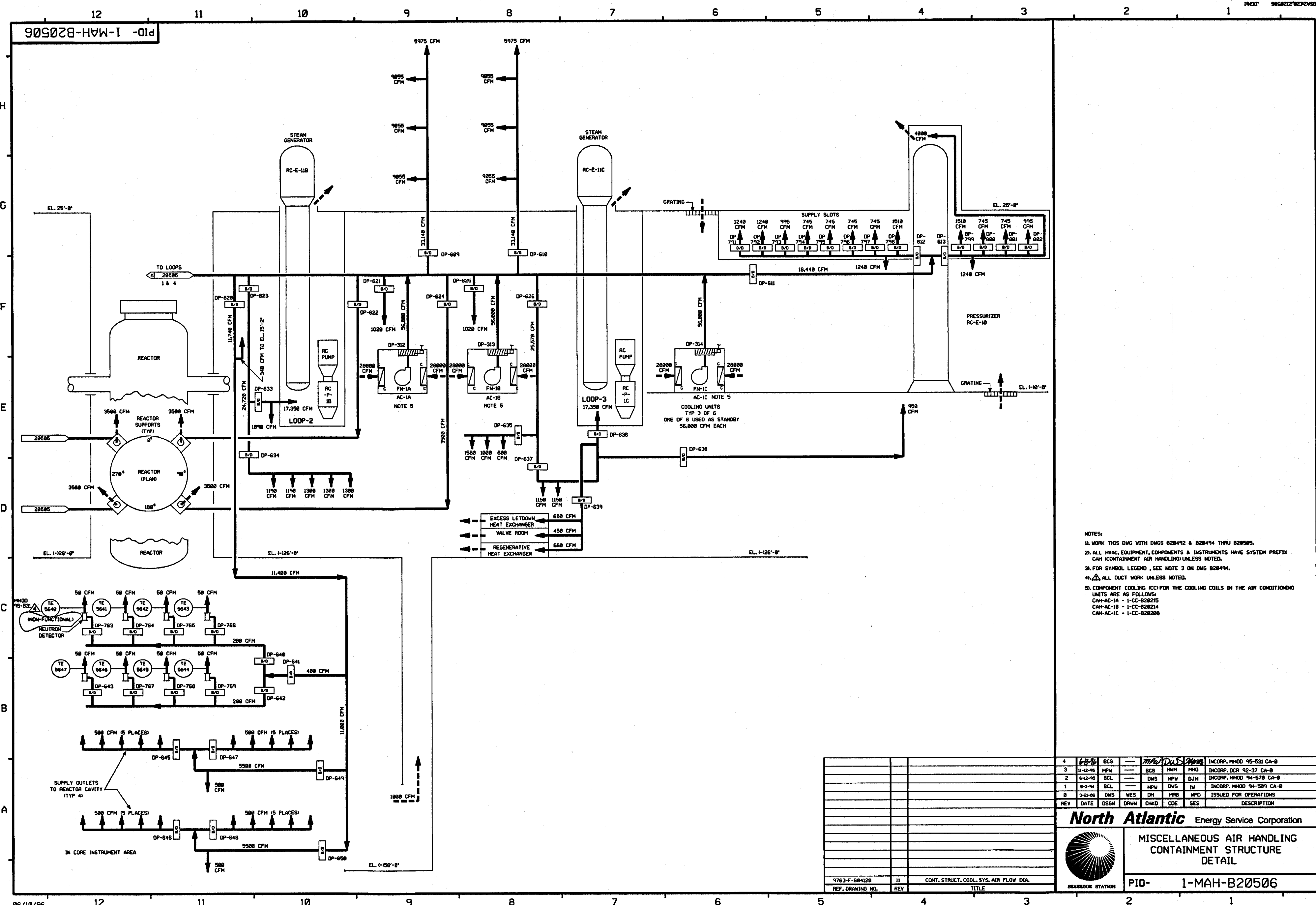
NEXTERA ENERGY
SEABROOK



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-604128	13	CONT. STRUCT. COOL. SYS. AIR FLOW DIA.
REF. DRAWING NO.	REV	TITLE



- NOTES:
1. WORK THIS DWG WITH DWGS 828492 & 828494 THRU 828505.
 2. ALL HVAC EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX CAH CONTAINMENT AIR HANDLING UNLESS NOTED.
 3. FOR SYMBOL LEGEND, SEE NOTE 3 ON DWG 828494.
 4. ALL DUCT WORK UNLESS NOTED.
 5. COMPONENT COOLING (CC) FOR THE COOLING COILS IN THE AIR CONDITIONING UNITS ARE AS FOLLOWS:
CAH-AC-1A - 1-CC-828215
CAH-AC-1B - 1-CC-828214
CAH-AC-1C - 1-CC-828208

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PID-1-MAH-B20504

RM-SKD-60

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:

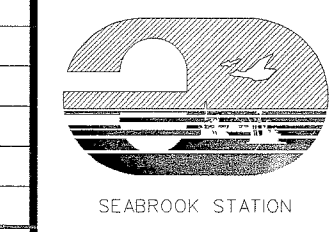
FILTER TAG NO.	CLEAN FLOW CFM	DIRTY FLOW CFM	ANSI FLOW CFM	SURVEILLANCE TEST FLOW CFM	SURVEILLANCE TEST FLOW +10% CFM	SURVEILLANCE TEST FLOW -10% CFM
CAP-F-40	15900	15300	15000	15450	16995	13905

6. VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM SIDE OF THE OUTER ISOLATION VALVE PER 1-NH-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

28	10/15/10	GPS	BJS	DM	INCRP EC 249830
27	10/9/09	BCS	JM	STB	INCRP EC12721
26	2/4/09	BCS	JM	SPF	INCRP MSE 09-009 REV. 0
25	4/14/08	BCS	JM	JME	INCRP MMOD 06-527 DCN-00
24	12/8/04	BCS	JM	RRB	INCRP CR 04-09401 REV 00
23	9/4/03	BCS	JM	MKC	INCRP SYSTEM FINAL CONFIGURATION PER DCR 00-21 DCN-00
22	1/27/03	JM	MPW	BCS	INCRP CR 00-04963 REV 00, REVISED VALVE SYMBOL
21	10/20/00	DWS	BCS	MKC	INCRP DCR 000221 DCN-00
20	6/2/98	DWS	BCS	HMM	INCRP MMOD 970618 DCN-00
19	6/2/95	DRL	MPW	VWS	INCRP MMOD 97-521 DCN-00
18	12/2/95	MPW	BCS	RJF	INCRP MMOD 95-508 CA-0
17	11/6/95	BCL	MPW	RRC	INCRP DCR 95-003 CA-0
16	6/12/95	BCL	DWS	DJM	INCRP MMOD 94-570 CA-0
15	4/20/94	MPW	BCL	WZ	INCRP DCR 92-014 CA 7
14	2/3/94	BCL	MRB	WZ	INCRP MMOD 93-524 CA-0
13	10/2/92	BCL	MRB	BAF	INCRP DCR 90-14 CA1A
12	4/14/92	MRB	DWS	JEV	INCRP MMOD 91-515 CA0
11	9/18/91	GPM	JM	MAC	INCRP DCR 90-14 CA02
10	2/26/91	MRB	JM	BCL	INCRP DCR 86-535 CA01 & MMOD 86-548 CA01
9	1/23/90	MRB	APL	GRM	INCRP MMOD 89-506 CA 0 AND MMOD 89-508 CA 0
8	4/27/89	GPM	MRB	MAC	INCRP DCR 86-555 CA 9 REVISED VALVE SYMBOLS PER FP 73290, NOTE 6 DELETED; NOTE 7 & 9
7	5/12/87	MPW	HIW	VWS	DELETED CHANGE ITEM 10 REVISED REV 5 SIGNOFF DATE ERROR.
6	4/9/87	DAP	LFC	MAC	REVISED SYS PREFIX FOR VLV'S ON RM-SKD-60, REVISED CAH-V8 TO GLOBE VLV PER ECA 99/10001010, ADDED SENSING 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, INCRP ECA 99/1129477
4	12/23/86	JDM	PAL	RRC	INCRP ECA 06/1189999
3	10/17/86	JDM	MPW	RRC	ADDED NOTE 7, 8 & P&ID LEGEND. INCRP DETAILS FOR RM-SKD-60.
2	10/9/86	JDM	MAP	RRC	INCRP ECA 06/802001C & 98/117840A
1	6/24/86	DWS	VNK	RRC	ADDED LINE SIZES & REV REF DWGS UPDATE PER LATEST UE&C P&ID
0	3/4/86	DWS	DM	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXTERA ENERGY
SEABROOK

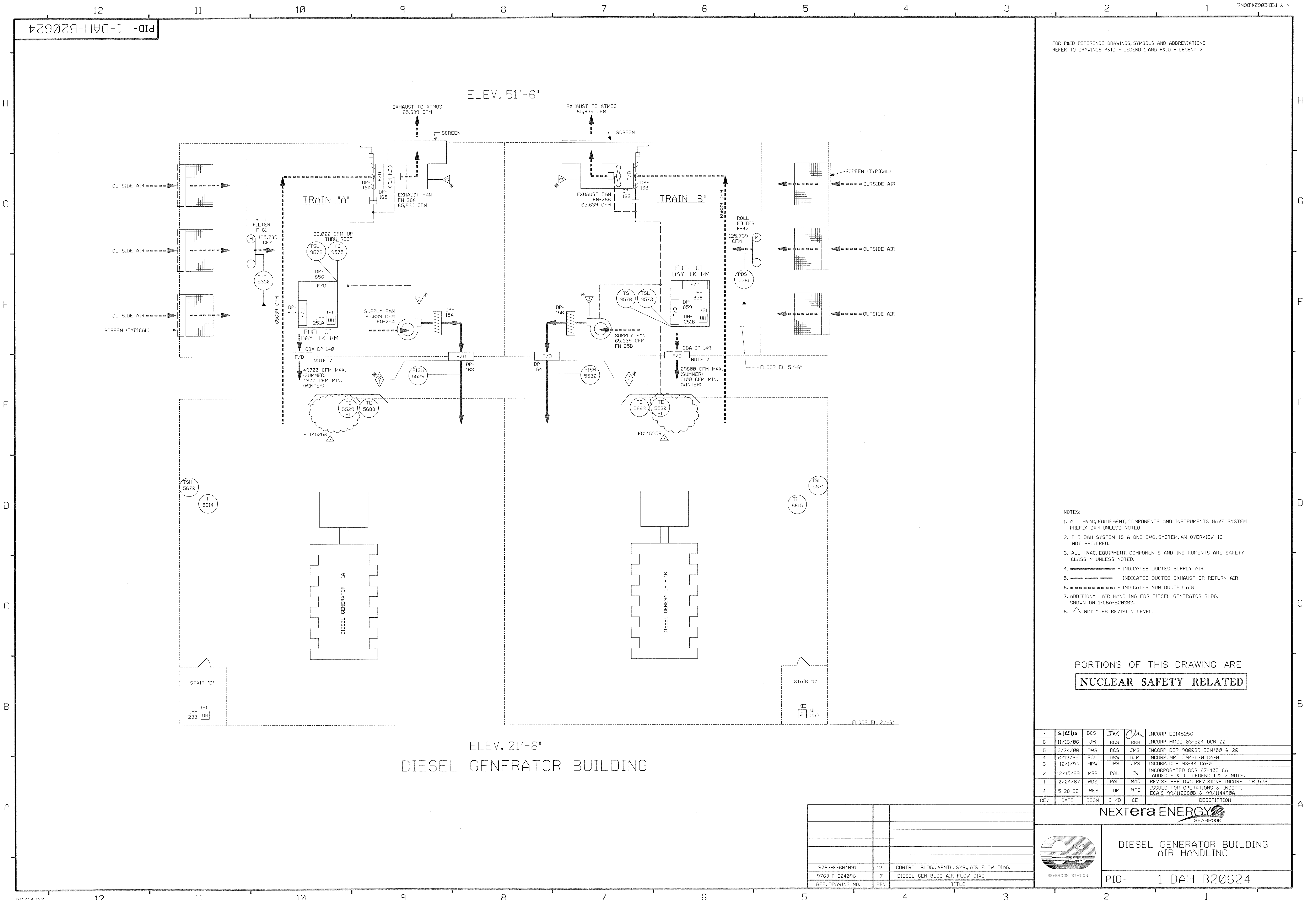


MISCELLANEOUS AIR HANDLING
CONTAINMENT & PURGES
DETAIL (COP, CAP)

PID-1-MAH-B20504

REF. DRAWING NO.	REV	TITLE
9763-F-604116	12	PAB & FUEL STOR BLOC, 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

9763-F-684178	3	MS & FW PIPE CHARGE H ₂ ANALYZER ROOM, ELEC ROD	
9763-F-684178	7	TURB. BLDG. M.S.F.W. ENCLOSURE VENT	
9763-F-684269	4	ELEC. TUNN. TRN. & B. AIR COND. PLANS	
9763-F-684169	2	RCA CHECKPOINT, HT. AIR COND. SYS.	
9763-F-684141	13	EMER. FLOWTR. PUMP BLDG. HT. & VENT. SYS.	
9763-F-684140	3	ELECT. TUNN. TRN. & B. AIR COND. AIR FL. & PID	
9763-F-684116	12	PAB & F. STOR. BLDG. VENTIL. SYS., AIR FLOW	
REC. DRAWING NO	REV	DESCRIPTION	DATE





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 DAH UNLESS NOTED.
 2. THE DAH SYSTEM IS A ONE DWG. SYSTEM, AN OVERVIEW IS NOT REQUIRED.
 3. ALL HVAC, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS N 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-B20303.
 8. △ INDICATES REVISION LEVEL.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

7	6/12/10	BCS	JM	OK	INCORP EC145256
6	11/16/06	JM	BCS	RRB	INCORP MMOD 03-504 DCN 00
5	3/24/00	DWS	BCS	JMS	INCORP DCR 980039 DCN#00 & 20
4	6/12/95	BCL	DSW	DJM	INCORP MMOD 94-570 CA-0
3	12/1/94	MPW	DWS	JPS	INCORP DCR 93-44 CA-0
2	12/15/89	MRB	PAL	JW	INCORPORATED DCR 87-405 CA
1	2/24/87	WDS	PAL	MAC	ADDED P & ID LEGEND 1 & 2 NOTE.
0	5-28-86	WES	JDM	WFO	REVISE REF DWG REVISIONS INCORP DCR 528
0	5-28-86	WES	JDM	WFO	ISSUED FOR OPERATIONS & INCORP ECA'S 99/1126808 & 99/114498A
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

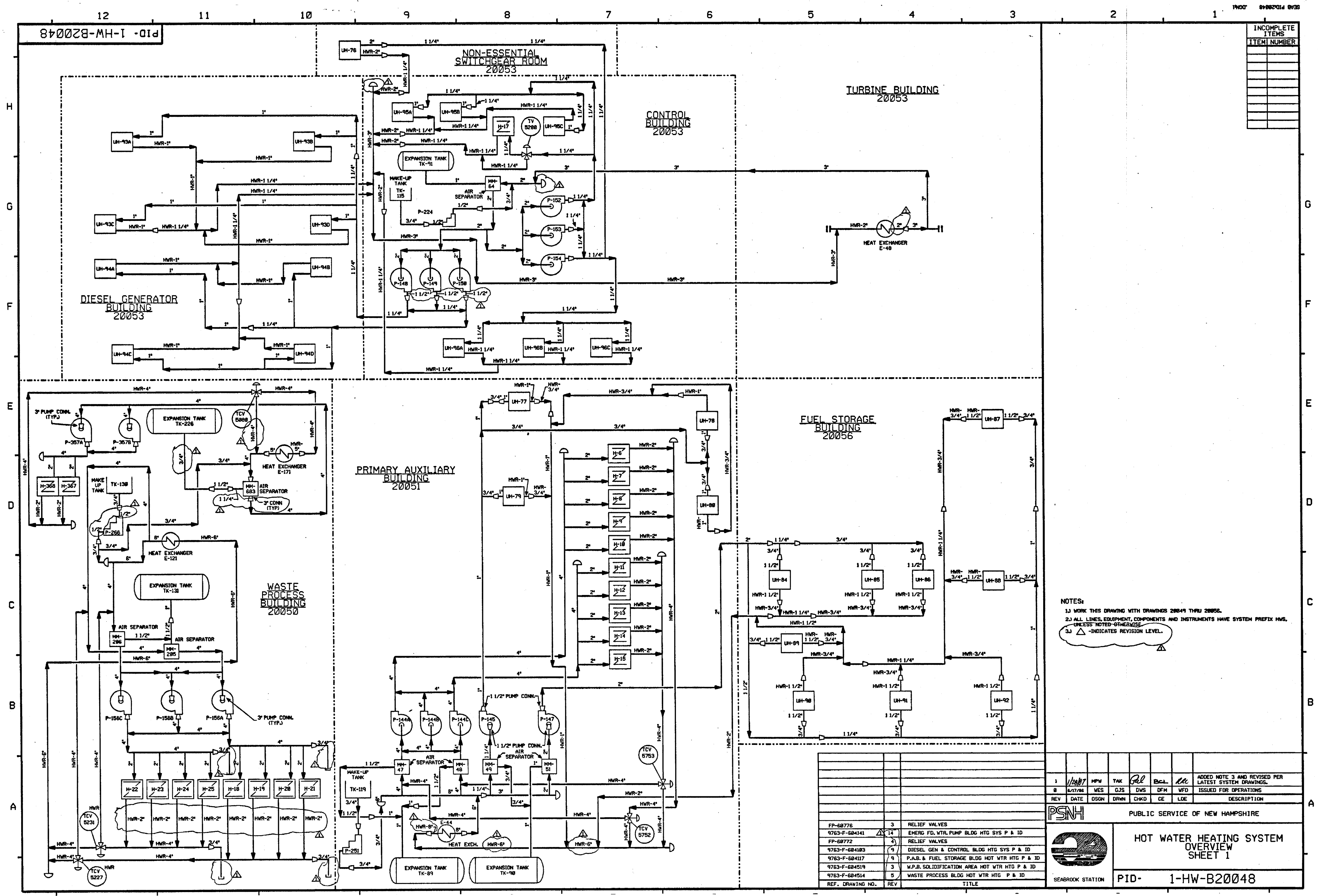

SEABROOK


SEABROOK STATION

DIESEL GENERATOR BUILDING
AIR HANDLING

PID- 1-DAH-B20624

9763-F-604091	12	CONTROL BLDG., VENTL. SYS., AIR FLOW DIAG.
9763-F-604096	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	1/20/78	WES	GJS	ADDED NOTE 3 AND REVISED PER LATEST SYSTEM DRAWINGS.
2	6/17/78	WES	GJS	ISSUED FOR OPERATIONS.
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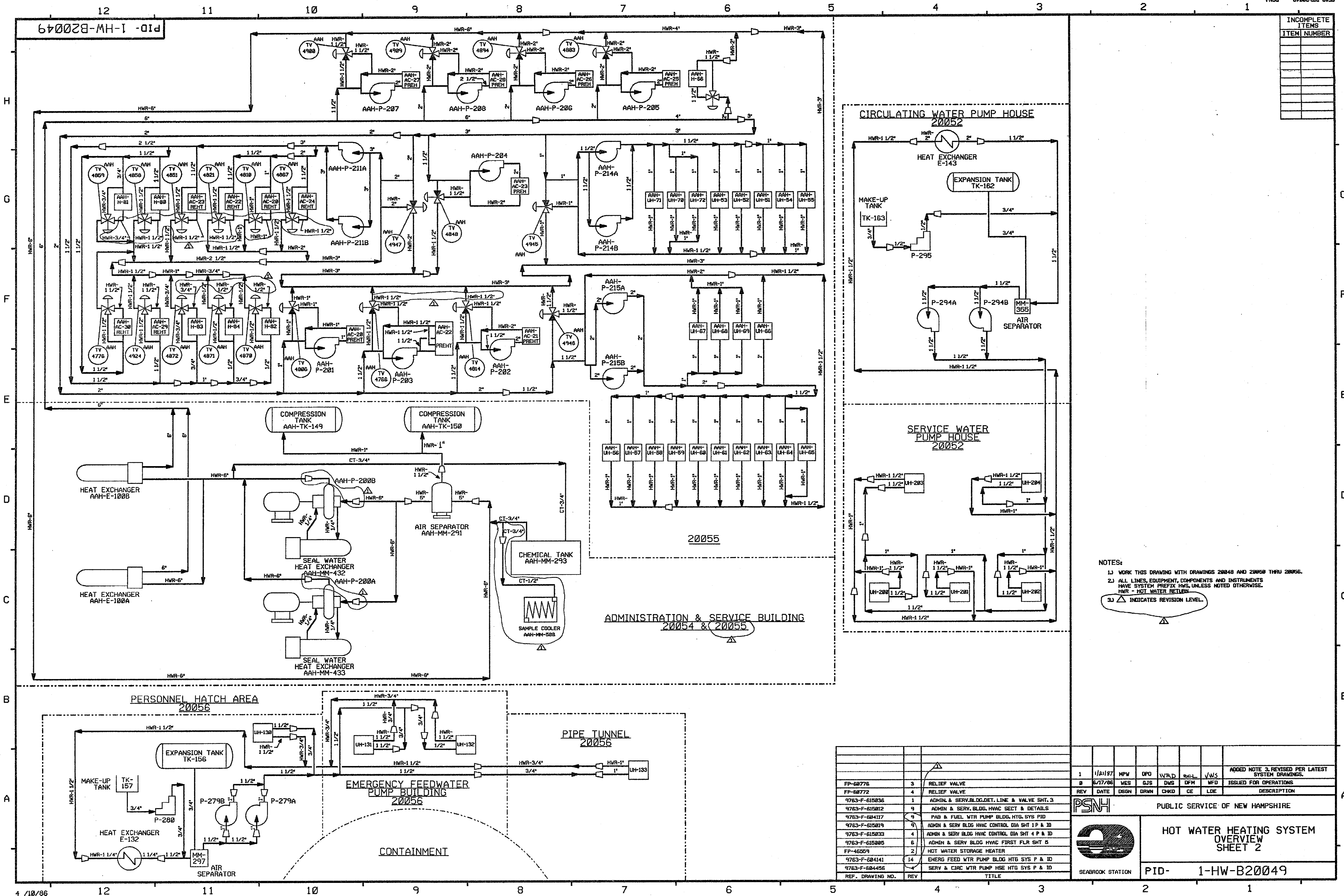
SEABROOK STATION

ADDED NOTE 3 AND REVISED PER LATEST SYSTEM DRAWINGS.

ISSUED FOR OPERATIONS.

HOT WATER HEATING SYSTEM OVERVIEW SHEET 1

PID- 1-HW-B20048



INCOMPLETE ITEMS	ITEM NUMBER

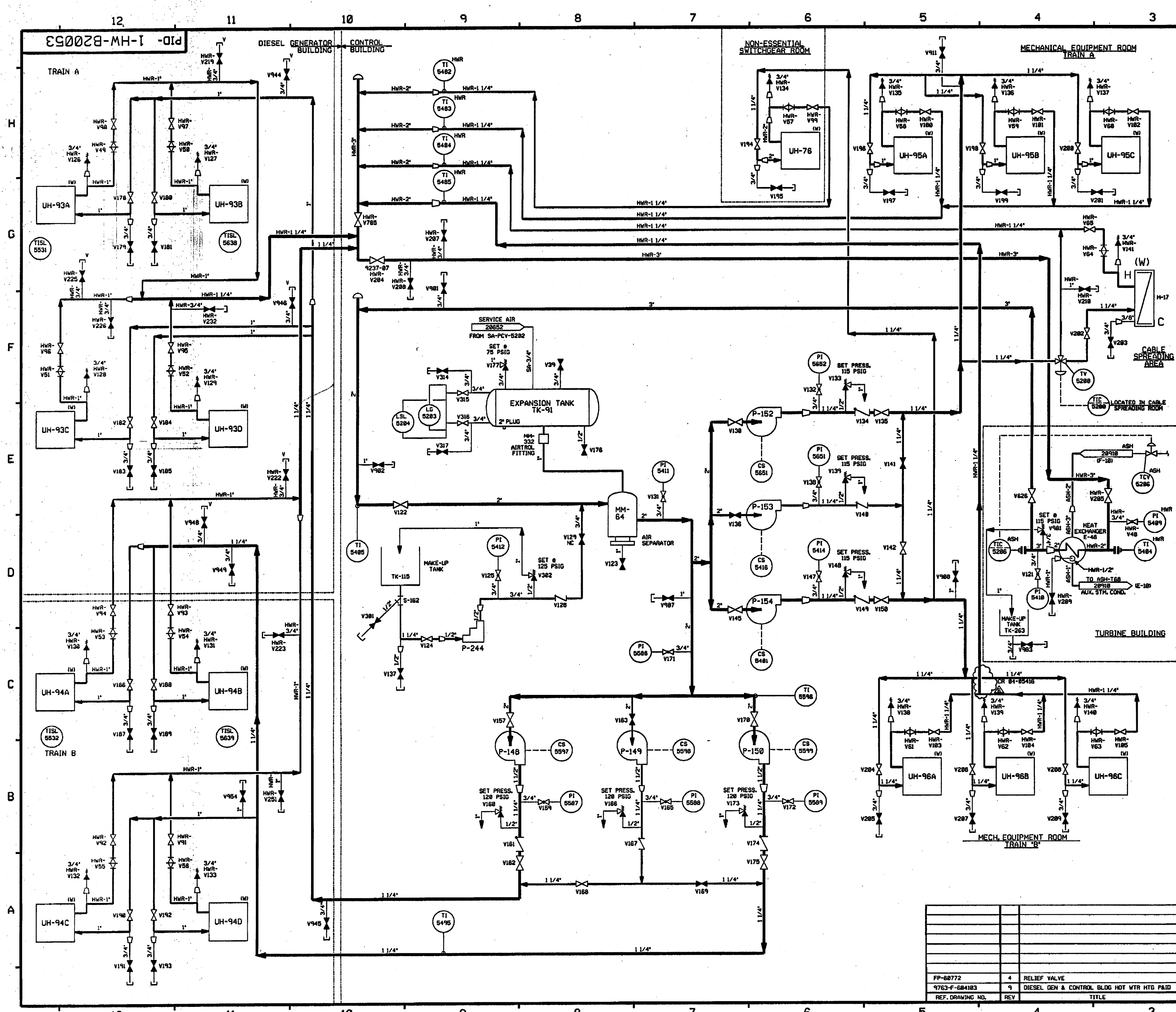
- NOTES:
- 1) WORK THIS DRAWING WITH DRAWINGS 20048 AND 20050 THRU 20056.
 - 2) ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX HWS, UNLESS NOTED OTHERWISE.
 - 3) INDICATES REVISION LEVEL.

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
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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) Δ INDICATES REVISION LEVEL.

6	7-22-64	BCS	JM	228	INCCP, CR 84-05416 REV. 0
5	12-30-66	BCS	DMS	RSG	INCCP, HMD 95-511 CA#8, 01
4	3-24-66	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	WFO	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

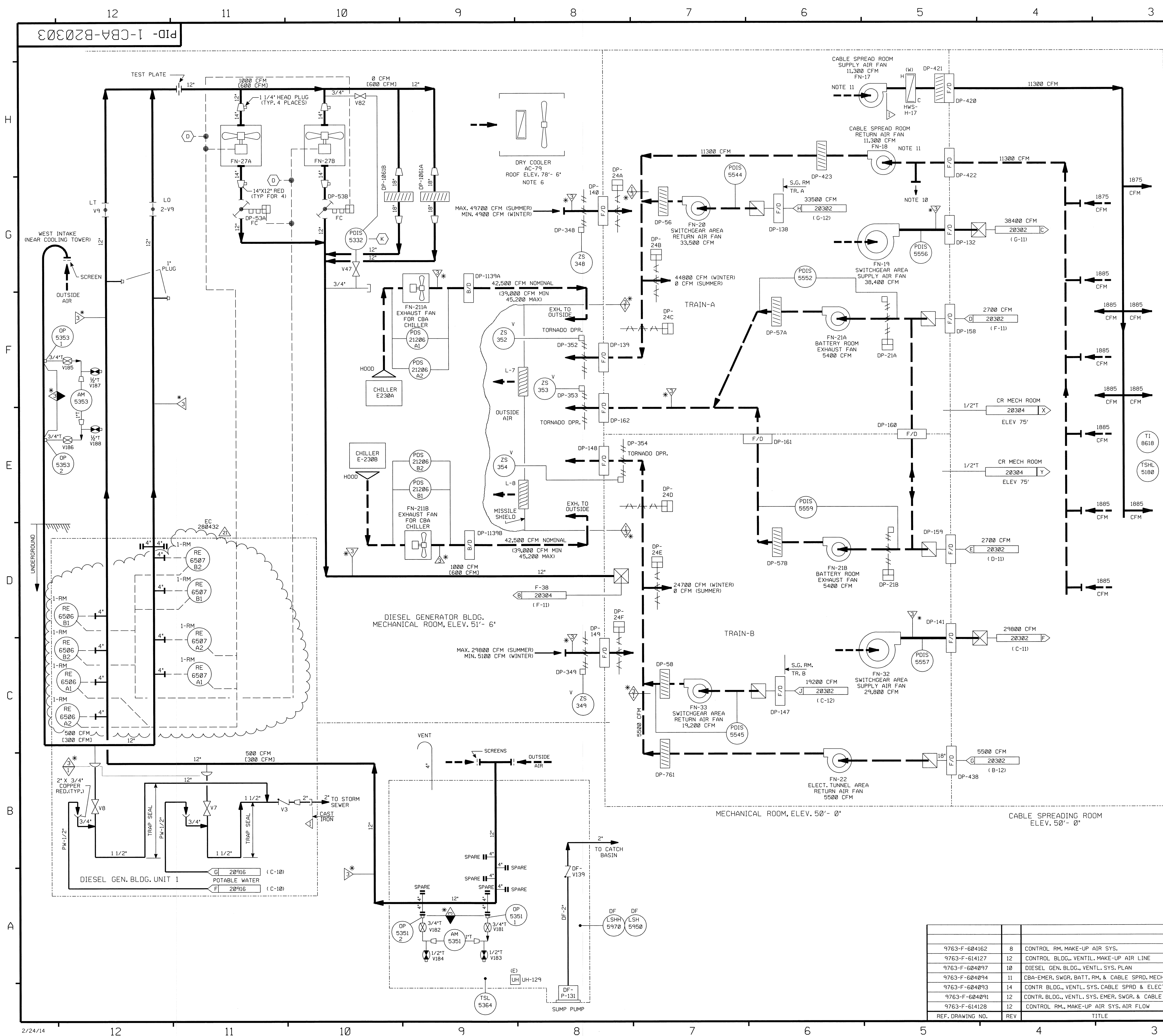
**FPL ENERGY**

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
REV	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 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

21	5/15/14	BCS	AM	CAT	INCORP. EC* 280432
20	4/21/09	BCS	JM	CIC	INCORP. EC* 2499
19	12/22/05	BCS	JM	SPF	INCORP. CR 05-11949 REV. 00
18	4/27/05	JM	BCS	DJM	INCORP. DCR 05-009 DCN 00 & 01
17	12/06/02	JM	BCS	RCP	INCORP. DCR 97-38 DCN-00 & 01
16	11/22/02	BCS	MPW	RCP	PARTIAL INCORP. DCR 97-38 DCN-00
15	3-24-00	DWS	BCS	JMS	INCORP. DCR 980039 DCN*00, 20 & 63
14	2/22/00	BCS	DWS	MPW	PARTIAL INCORP. DCR 980039 DCN*63
13	2/11/00	DWS	BCS	MPW	PARTIAL INCORP. DCR 980039 DCN*00 & 20
12	1/5/99	BCS	MPW	RWM	INCORP. MMOD 96-533 CA-0
11	9/01/98	BCS	DWS	GG	INCORP. MMOD 96-623 DCN 00
10	6/30/97	MPW	DWS	RCP	INCORP. MMOD 97-568 DCN 00
9	6/12/95	BCL	DWS	DJM	INCORP. MMOD 94-570 CA-0
8	10/2/92	MRB	BCL	BAW	INCORP. DCR 09-14 CA0
7	4/2/92	MRB	BCL	JEV	INCORP. MMOD 91-515 CA02
6	8/31/91	GPM	JM	MAC	INCORP. DCR 89-80 CA07
5	2/8/91	MRB	JM	DJM	INCORP. ECA 05/2293C
4	9/29/89	MRB	APL	JWS	INCORP. DCR 86-703 CA21
3	4/5/89	GPM	PAL	MAC	ADDED SYS PREFIXES PER NOTE 2 DELETED INSTR. TAG NO PER SIS INCORPORATED DCR 89-7
2	2/24/87	JDM	PAL	MAC	ADDED INSTRUMENTATION & NOTE 9, CORRECTED LINE TO INSTR. 5351, RELOCATED 3/4" PLUG PER ERECTION ISO. ADDED P&ID LEGEND NOTE, UPDATED REF DWG REV'S, INCORP. ECA 98/118373A, ADDED CONTINUATION DWG. COORDINATES INCORP. DCR 92B, DELETED NOTE 5
1	6/26/86	BCL	DNK	RRR	INCORP. ECA 99/115028B ADDED POTABLE WATER CONT. & FLOW RATES FOR AC-4A & B
0	3/4/86	DWS	WES	WFD	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION



CONTROL BUILDING AIR
HANDLING
DETAIL
PID- 1-CBA-B20303

REF. DRAWING NO.	REV	TITLE
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



- 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

~~---#~~ ☐ 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

(X)		
<input checked="" type="checkbox"/>	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	HC	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

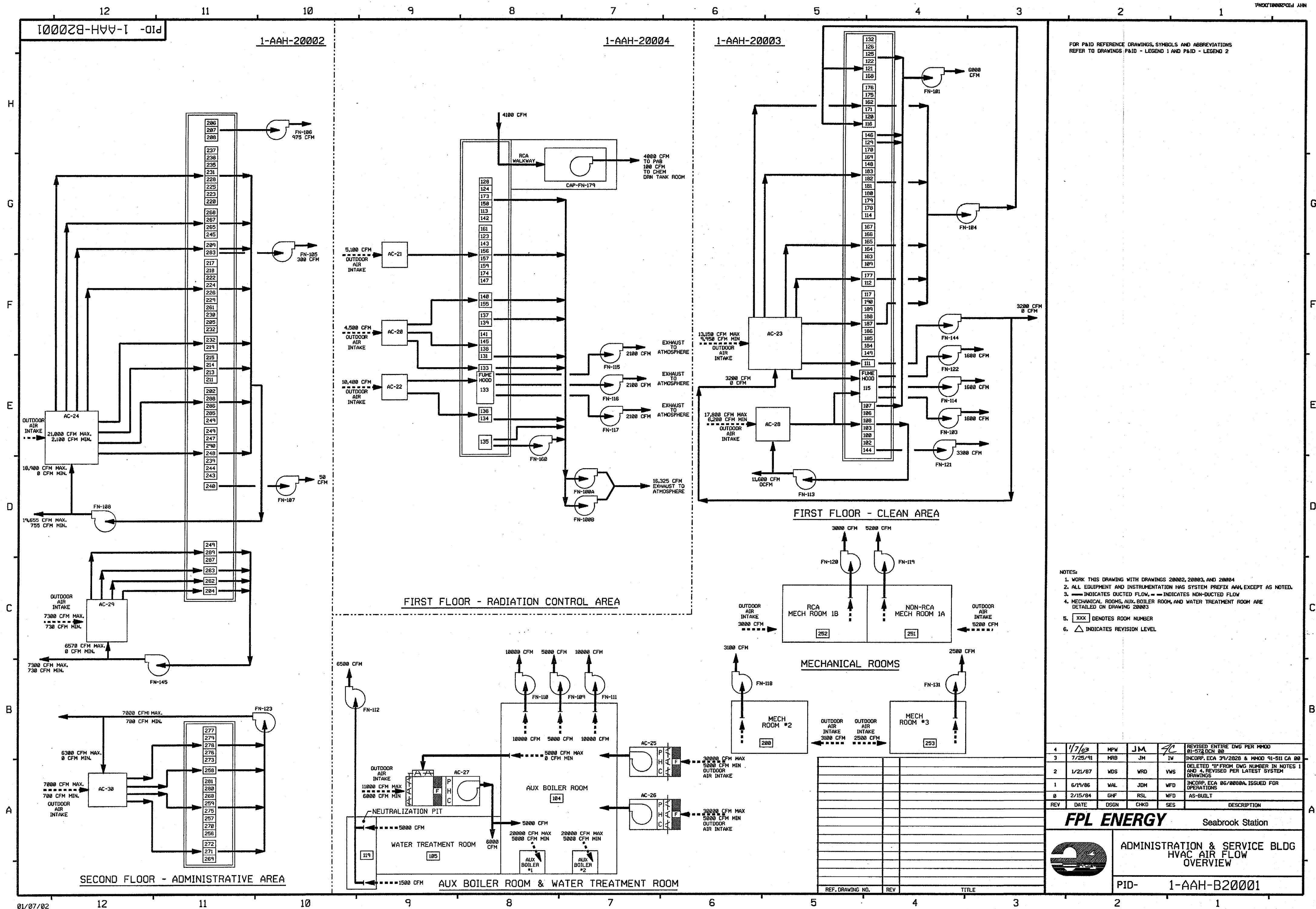
North Atlantic Energy Service Corporation

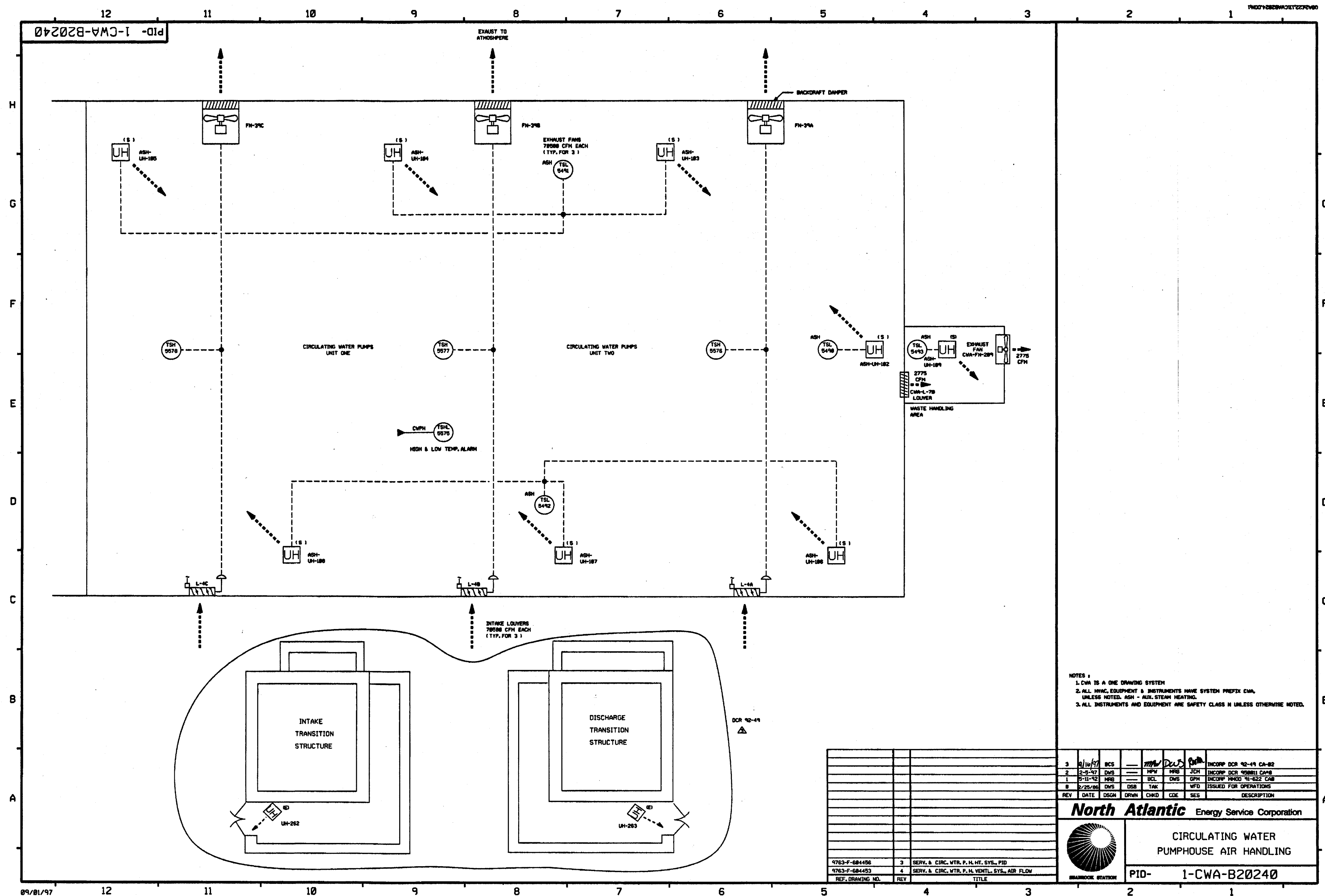


CONTROL BUILDING AIR HANDLING
EMERGENCY SWITCHGEAR AREA
DETAIL

PID- 1-CBA-B20302

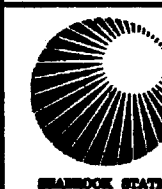
9733-F-604095	13	CBA EMERG. SWGR. & BATT. ROOMS PLAN
9763-F-604091	12	CONTROL BLOC. VENT. SYS. AIR FLOW DIAG
REF. DRAWING NO.	REV	TITLE





3	9/10/97	BCS	---	MMW	DECS	SPM	INCORP DCR 92-49 CA-B2
2	2-5-97	DWS	---	MMW	MRS	JCH	INCORP DCR 950801 CA#8
1	5-11-92	MRS	---	BCL	DWS	GPH	INCORP PMOD 91-622 CA#
0	2/25/96	DWS	DSB	TAK	---	WFD	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

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.

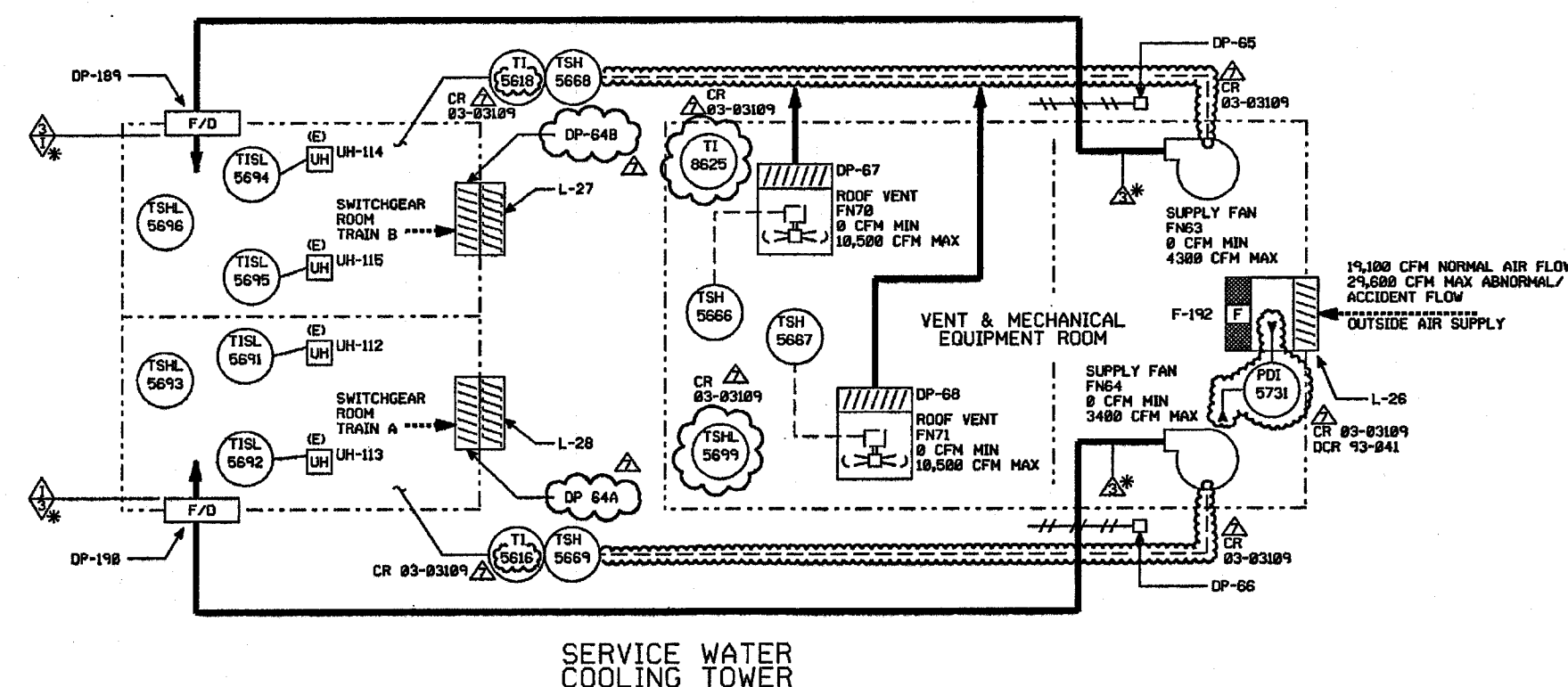
7	5/19/83	JM	BCL	MPW	VMS	INCOPR. CDR 93-03199 REV. 00 RE-INCOPR. CDR 93-041 CA 01 & REVISED DAMPER ID'S
6	6/14/79	BCL	MPW	VMS	INCOPR. MMHD 94-578 CA 01	
5	12/9/94	BCL	MPW	VMS	INCOPR. MMHD 94-580 CA 01	
4	3/31/93	MRB	BCL	JCH	INCOPR. MMHD 92-553 CA 01	
3	9/24/78	MRB	JM	BCL	INCOPR. MMHD 98-516 CA 01 REVISED NOTE 4 PER ENGINEERING DESIGN STANDARD 37188 SECT. 3.8 ADDED LEGEND NOTE	
2	8/2/58	MPW	PAL	MAC	REVERSED T1 NO'S PER M-506944 REV 4 & INCOPR. ECA 99/101822A	
1	2/24/87	WDS	PAL	MAC	INCOPR. ECR 826, ADDED T1-5683 PER M-506844	
0	4-24-86	JS	JKM	WFD	ISSUED FOR OPERATIONS	
REV	DATE	DSGN	CHKD	CE	DESCRIPTION	

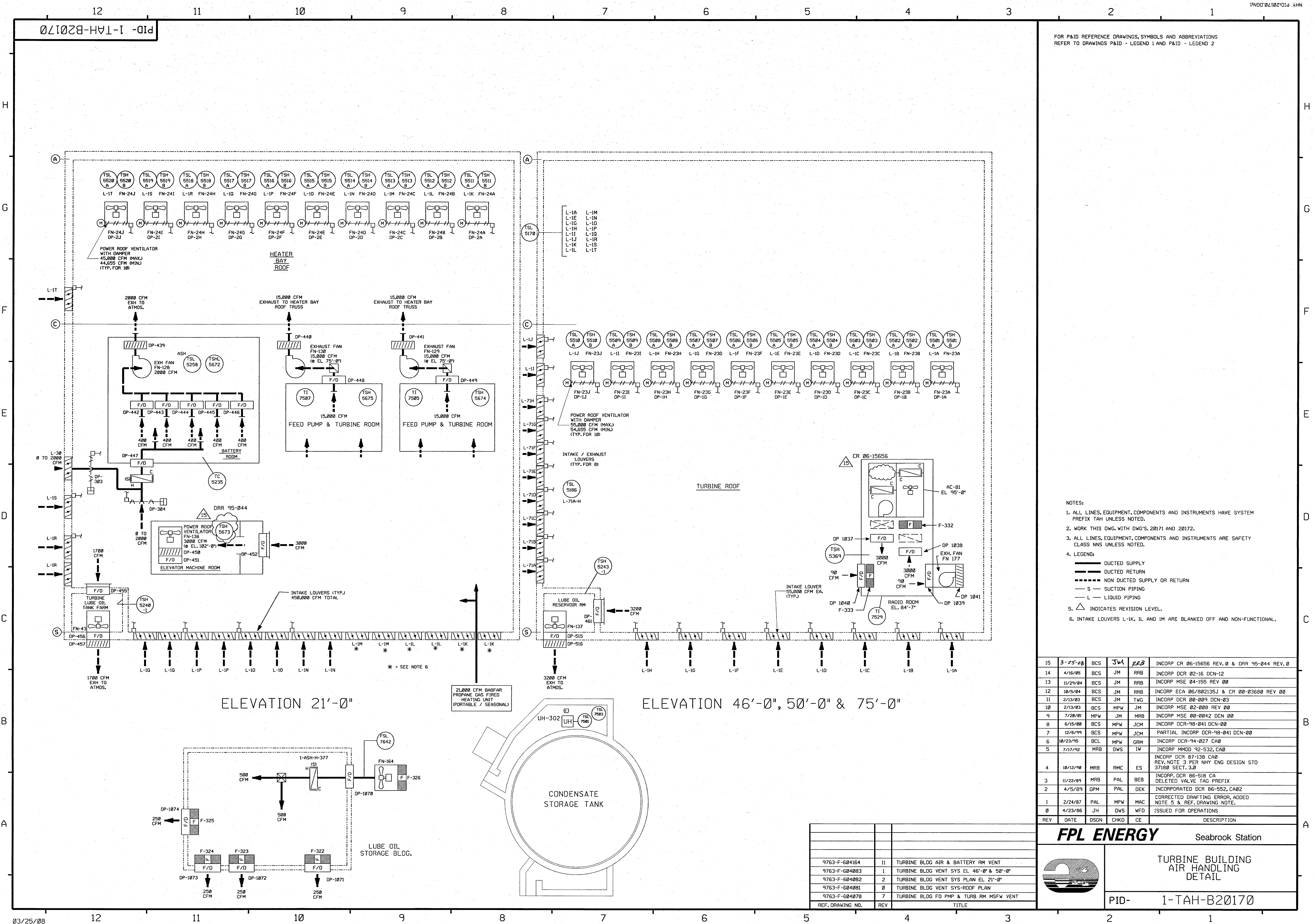


Diagram illustrating the layout and components of the Service Water Pump House, showing various rooms, equipment, and air flow paths.

Rooms and Equipment:

- TRAIN "B" SWITCHGEAR ROOM:** Contains TSH 5614-2, TSH 5615-1, TSL 5689, TSL 5688, TSL 5686, TSL 5687, TSL 5682, TSL 5683, TSL 5684, TSL 5685, TSL 5686, TSL 5687, TSL 5688, TSL 5689, TSL 5690, TSL 5691, TSL 5692, TSL 5693, TSL 5694, TSL 5695, TSL 5696, TSL 5697, TSL 5698, TSL 5699, TSL 5700, TSL 5701, TSL 5702, TSL 5703, TSL 5704, TSL 5705, TSL 5706, TSL 5707, TSL 5708, TSL 5709, TSL 5710, TSL 5711, TSL 5712, TSL 5713, TSL 5714, TSL 5715, TSL 5716, TSL 5717, TSL 5718, TSL 5719, TSL 5720, TSL 5721, TSL 5722, TSL 5723, TSL 5724, TSL 5725, TSL 5726, TSL 5727, TSL 5728, TSL 5729, TSL 5730, TSL 5731, TSL 5732, TSL 5733, TSL 5734, TSL 5735, TSL 5736, TSL 5737, TSL 5738, TSL 5739, TSL 5740, TSL 5741, TSL 5742, TSL 5743, TSL 5744, TSL 5745, TSL 5746, TSL 5747, TSL 5748, TSL 5749, TSL 5750, TSL 5751, TSL 5752, TSL 5753, TSL 5754, TSL 5755, TSL 5756, TSL 5757, TSL 5758, TSL 5759, TSL 5760, TSL 5761, TSL 5762, TSL 5763, TSL 5764, TSL 5765, TSL 5766, TSL 5767, TSL 5768, TSL 5769, TSL 5770, TSL 5771, TSL 5772, TSL 5773, TSL 5774, TSL 5775, TSL 5776, TSL 5777, TSL 5778, TSL 5779, TSL 5780, TSL 5781, TSL 5782, TSL 5783, TSL 5784, TSL 5785, TSL 5786, TSL 5787, TSL 5788, TSL 5789, TSL 5790, TSL 5791, TSL 5792, TSL 5793, TSL 5794, TSL 5795, TSL 5796, TSL 5797, TSL 5798, TSL 5799, TSL 5800, TSL 5801, TSL 5802, TSL 5803, TSL 5804, TSL 5805, TSL 5806, TSL 5807, TSL 5808, TSL 5809, TSL 5810, TSL 5811, TSL 5812, TSL 5813, TSL 5814, TSL 5815, TSL 5816, TSL 5817, TSL 5818, TSL 5819, TSL 5820, TSL 5821, TSL 5822, TSL 5823, TSL 5824, TSL 5825, TSL 5826, TSL 5827, TSL 5828, TSL 5829, TSL 5830, TSL 5831, TSL 5832, TSL 5833, TSL 5834, TSL 5835, TSL 5836, TSL 5837, TSL 5838, TSL 5839, TSL 5840, TSL 5841, TSL 5842, TSL 5843, TSL 5844, TSL 5845, TSL 5846, TSL 5847, TSL 5848, TSL 5849, TSL 5850, TSL 5851, TSL 5852, TSL 5853, TSL 5854, TSL 5855, TSL 5856, TSL 5857, TSL 5858, TSL 5859, TSL 5860, TSL 5861, TSL 5862, TSL 5863, TSL 5864, TSL 5865, TSL 5866, TSL 5867, TSL 5868, TSL 5869, TSL 5870, TSL 5871, TSL 5872, TSL 5873, TSL 5874, TSL 5875, TSL 5876, TSL 5877, TSL 5878, TSL 5879, TSL 5880, TSL 5881, TSL 5882, TSL 5883, TSL 5884, TSL 5885, TSL 5886, TSL 5887, TSL 5888, TSL 5889, TSL 5890, TSL 5891, TSL 5892, TSL 5893, TSL 5894, TSL 5895, TSL 5896, TSL 5897, TSL 5898, TSL 5899, TSL 5900, TSL 5901, TSL 5902, TSL 5903, TSL 5904, TSL 5905, TSL 5906, TSL 5907, TSL 5908, TSL 5909, TSL 5910, TSL 5911, TSL 5912, TSL 5913, TSL 5914, TSL 5915, TSL 5916, TSL 5917, TSL 5918, TSL 5919, TSL 5920, TSL 5921, TSL 5922, TSL 5923, TSL 5924, TSL 5925, TSL 5926, TSL 5927, TSL 5928, TSL 5929, TSL 5930, TSL 5931, TSL 5932, TSL 5933, TSL 5934, TSL 5935, TSL 5936, TSL 5937, TSL 5938, TSL 5939, TSL 5940, TSL 5941, TSL 5942, TSL 5943, TSL 5944, TSL 5945, TSL 5946, TSL 5947, TSL 5948, TSL 5949, TSL 5950, TSL 5951, TSL 5952, TSL 5953, TSL 5954, TSL 5955, TSL 5956, TSL 5957, TSL 5958, TSL 5959, TSL 5960, TSL 5961, TSL 5962, TSL 5963, TSL 5964, TSL 5965, TSL 5966, TSL 5967, TSL 5968, TSL 5969, TSL 5970, TSL 5971, TSL 5972, TSL 5973, TSL 5974, TSL 5975, TSL 5976, TSL 5977, TSL 5978, TSL 5979, TSL 5980, TSL 5981, TSL 5982, TSL 5983, TSL 5984, TSL 5985, TSL 5986, TSL 5987, TSL 5988, TSL 5989, TSL 5990, TSL 5991, TSL 5992, TSL 5993, TSL 5994, TSL 5995, TSL 5996, TSL 5997, TSL 5998, TSL 5999, TSL 6000, TSL 6001, TSL 6002, TSL 6003, TSL 6004, TSL 6005, TSL 6006, TSL 6007, TSL 6008, TSL 6009, TSL 6010, TSL 6011, TSL 6012, TSL 6013, TSL 6014, TSL 6015, TSL 6016, TSL 6017, TSL 6018, TSL 6019, TSL 6020, TSL 6021, TSL 6022, TSL 6023, TSL 6024, TSL 6025, TSL 6026, TSL 6027, TSL 6028, TSL 6029, TSL 6030, TSL 6031, TSL 6032, TSL 6033, TSL 6034, TSL 6035, TSL 6036, TSL 6037, TSL 6038, TSL 6039, TSL 6040, TSL 6041, TSL 6042, TSL 6043, TSL 6044, TSL 6045, TSL 6046, TSL 6047, TSL 6048, TSL 6049, TSL 6050, TSL 6051, TSL 6052, TSL 6053, TSL 6054, TSL 6055, TSL 6056, TSL 6057, TSL 6058, TSL 6059, TSL 6060, TSL 6061, TSL 6062, TSL 6063, TSL 6064, TSL 6065, TSL 6066, TSL 6067, TSL 6068, TSL 6069, TSL 6070, TSL 6071, TSL 6072, TSL 6073, TSL 6074, TSL 6075, TSL 6076, TSL 6077, TSL 6078, TSL 6079, TSL 6080, TSL 6081, TSL 6082, TSL 6083, TSL 6084, TSL 6085, TSL 6086, TSL 6087, TSL 6088, TSL 6089, TSL 6090, TSL 6091, TSL 6092, TSL 6093, TSL 6094, TSL 6095, TSL 6096, TSL 6097, TSL 6098, TSL 6099, TSL 6100, TSL 6101, TSL 6102, TSL 6103, TSL 6104, TSL 6105, TSL 6106, TSL 6107, TSL 6108, TSL 6109, TSL 6110, TSL 6111, TSL 6112, TSL 6113, TSL 6114, TSL 6115, TSL 6116, TSL 6117, TSL 6118, TSL 6119, TSL 6120, TSL 6121, TSL 6122, TSL 6123, TSL 6124, TSL 6125, TSL 6126, TSL 6127, TSL 6128, TSL 6129, TSL 6130, TSL 6131, TSL 6132, TSL 6133, TSL 6134, TSL



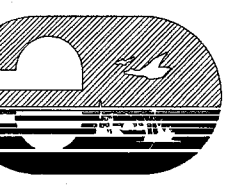


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX T&H 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.
 - 6. INTAKE LOUVERS L-1K, 1L AND 1M ARE BLANKED OFF AND NON-FUNCTIONAL.

15	3-25-08	BCS	JW	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	BE8	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

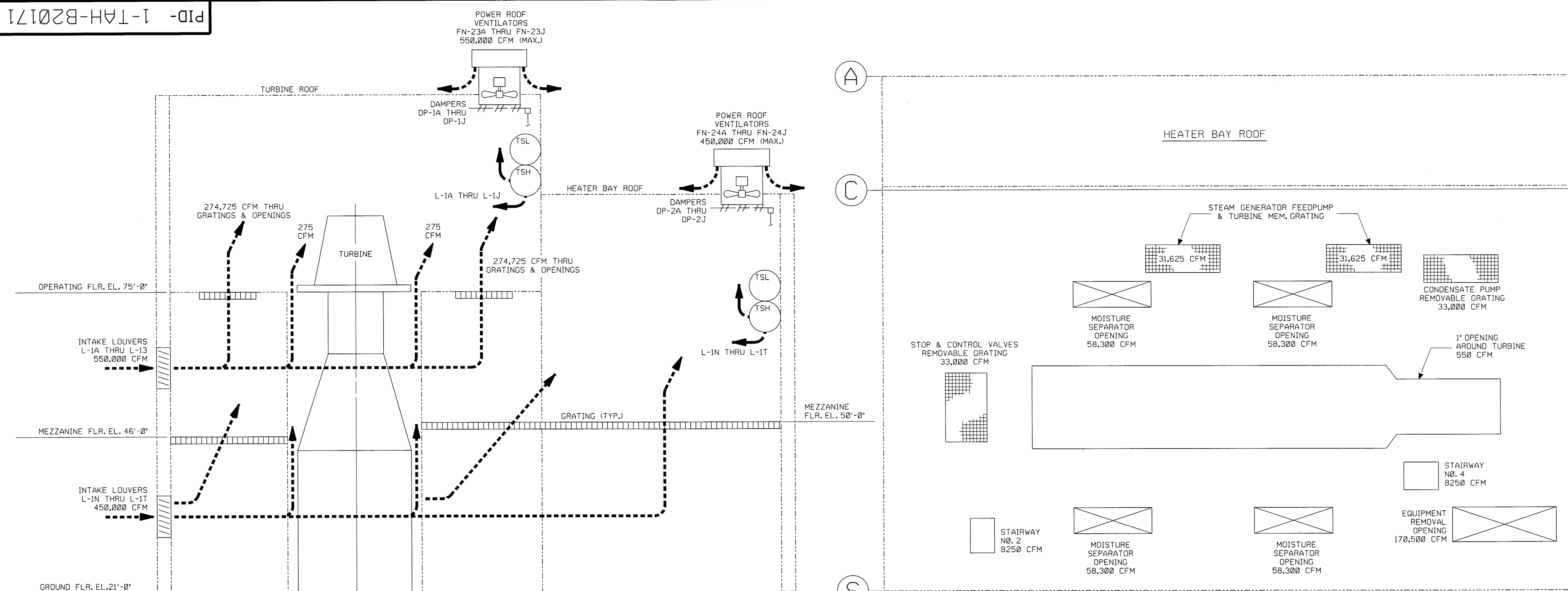
**TURBINE BUILDING
AIR HANDLING
DETAIL**

PID- 1-TAH-B20170

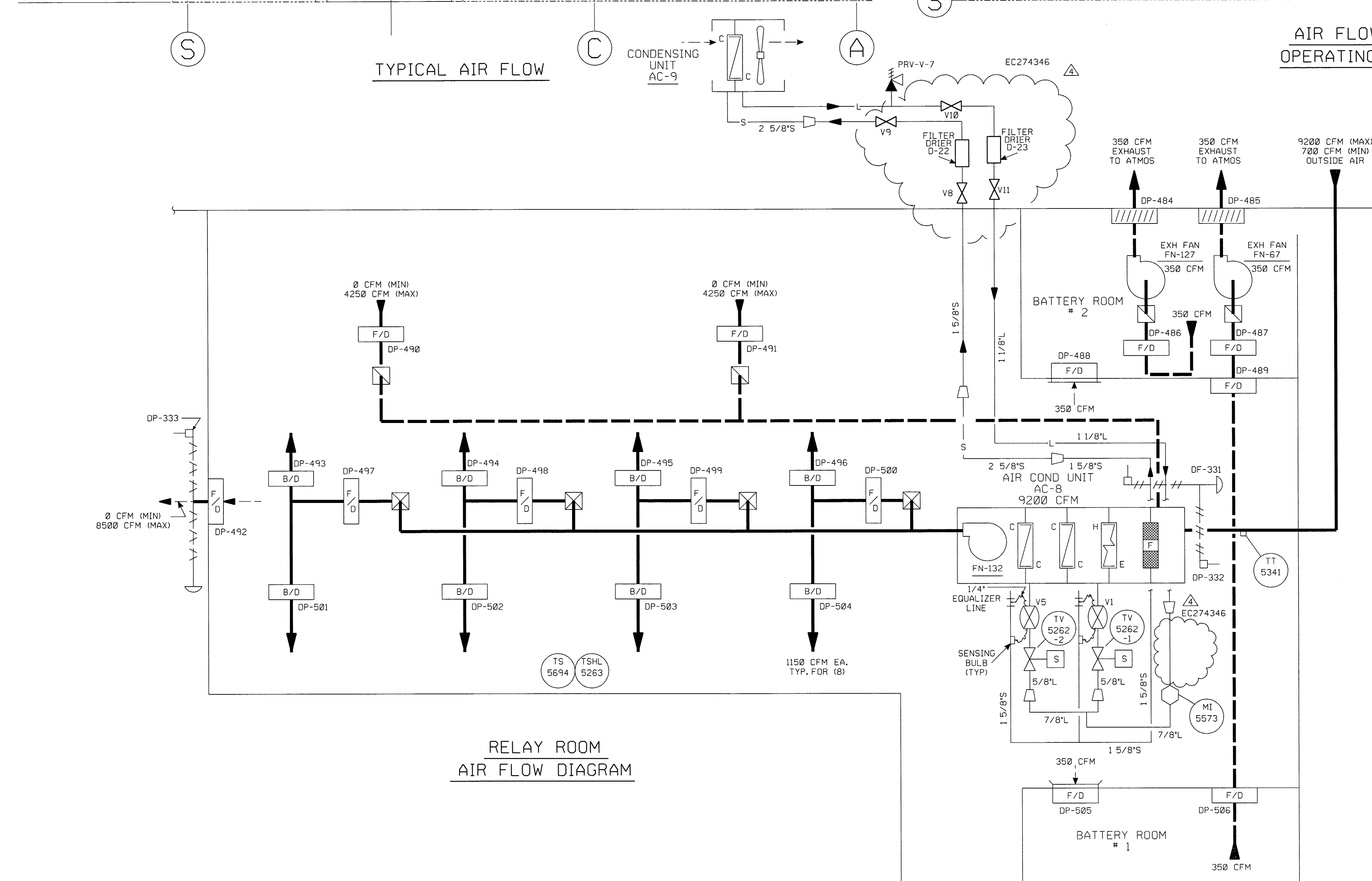
REF. DRAWING NO.	REV	TITLE
9763-F-604164	11	TURBINE BLDG AIR & BATTERY RM VENT
9763-F-604083	1	TURBINE BLDG VENT SYS EL 46'-0" & 50'-0"
9763-F-604082	2	TURBINE BLDG VENT SYS PLAN EL 21'-0"
9763-F-604081	0	TURBINE BLDG VENT SYS-ROOF PLAN
9763-F-604078	7	TURBINE BLDG FD PMP & TURB RM MSFW VENT

PID-1-TAH-B20171

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



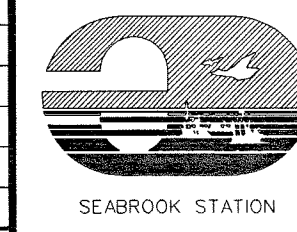
AIR FLOW PATTERN THRU
OPERATING FLOOR EL. 75'-0"



- NOTES:
- WORK THIS DWG. WITH DWG'S. 20170 AND 20172.
 - ALL HVAC, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX TAH (TURBINE AIR HANDLING) UNLESS NOTED.

4	11/14/11	BCS	JM	WJ	INCORP. EC 274346
3	4/19/05	BCS	JM	PAL	INCORP. DCR 02-016 DCN-12
2	7/17/92	MRB	DWS	ICW	INCORP. MMOD 92-532 CA0
1	1/22/91	MRB	JH	DJM	REVISED PER UE&C P&ID
0	4/23/86	JH	DWS	WFD	9763-F-614084 ADDED P&ID LEGEND NOTE
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXTERA ENERGY



TURBINE BUILDING
AIR HANDLING
DETAIL

PID-1-TAH-B20171

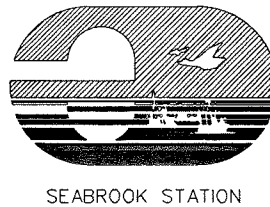
REF. DRAWING NO.	REV	TITLE
9763-F-614084	9	TURB BLDG RELAY RM AC SYS PLANS & SECT'S
9763-F-604164	11	BATT. RM. ELEV. MACH. RM. & AC EL. 75'-0"
9763-F-604083	1	TURB. BLDG. PLAN EL. 46'-0" & 50'-0"
9763-F-604082	2	TURB. BLDG. PLAN EL. 21'-0"
9763-F-604081	0	TURB. BLDG. ROOF PLAN
9763-F-604078	6	FEED PUMP & TURB. ROOM PLAN

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
TAH UNLESS NOTED OTHERWISE.
 - WORK THIS DWG. WITH DWG. 20170 AND 20171
 - ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY
CLASS NNS UNLESS NOTED OTHERWISE.
 - LEGEND:
 - DUCTED SUPPLY
 - DUCTED RETURN
 - NON DUCTED SUPPLY OR RETURN
 - S — SUCTION PIPING
 - L — LIQUID PIPING
 - △ INDICATES REVISION LEVEL.
 - 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-TAH-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.

6	3/24/12	JM	BCS	WYB	INCRP EC*145307
5	12/13/05	JM	BCS	JC	INCRP MMOD 05-513 DCN 00
4	2/5/04	BCS	JM	TWC	INCRP DCR 00009 REV. 03
3	5/7/99	DWS	BCS	HWM	INCRP MMOD 970618 DCN*00
2	12/19/95	MPW	HWM	CWL	INCRP MMOD 95-550, CA0
1	5/26/93	MRB	BCL	MPW	INCRP DCR 92-26, CA0
0	7/14/92	MPW	MRB	BCL	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

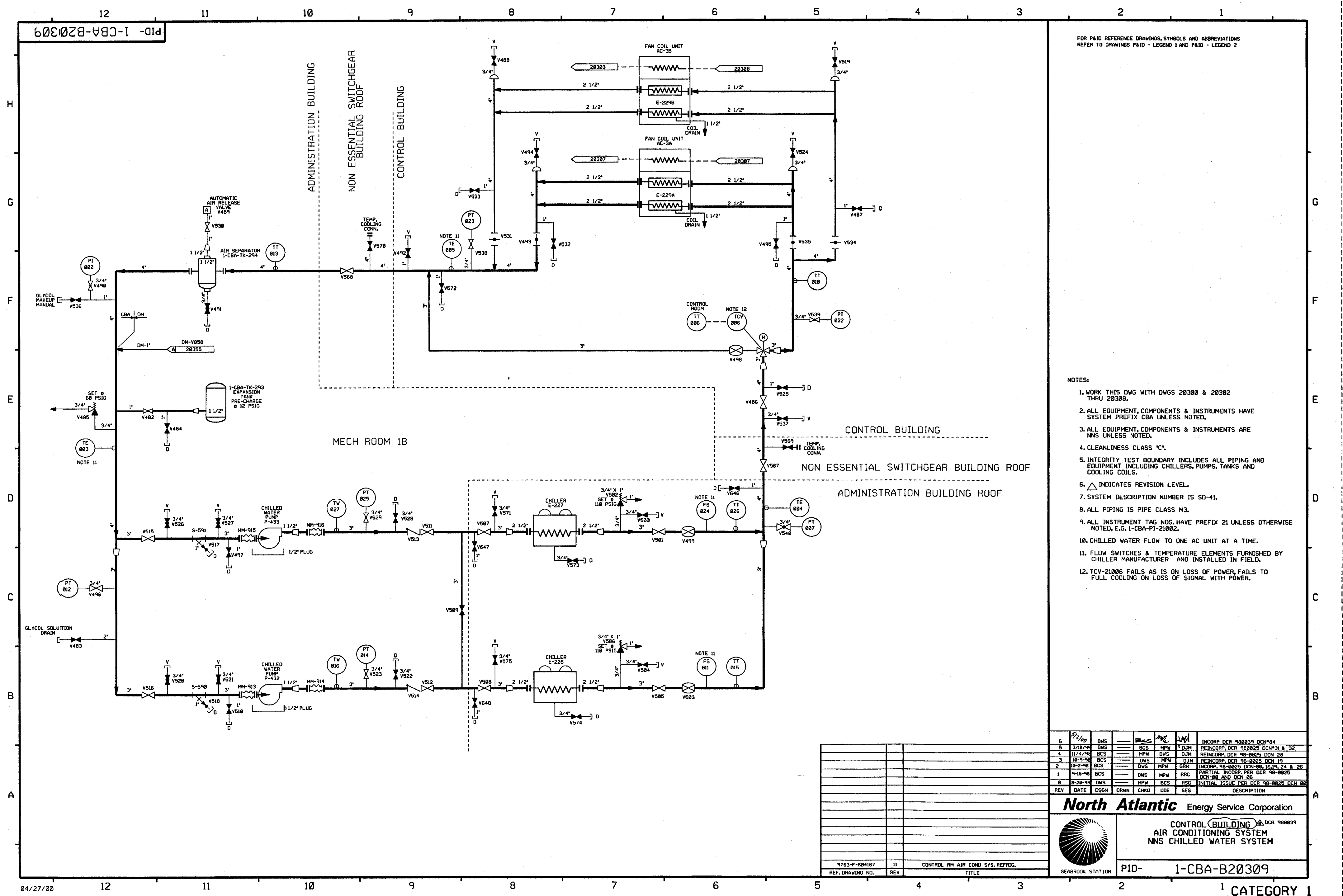
NEXTERA ENERGY
SEABROOK



TURBINE BUILDING
AIR HANDLING
DETAIL

PID-1-TAH-B20172

9763-F-604164	11	TURBINE BLDG 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	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	8-28-98	DWS	MPW	BCS	RSG	INITIAL ISSUE PER DCR 98-0025 DCN 00
REV	DATE	DSGN	DRWN	CHKD	CDE	SES

North Atlantic Energy Service Corporation

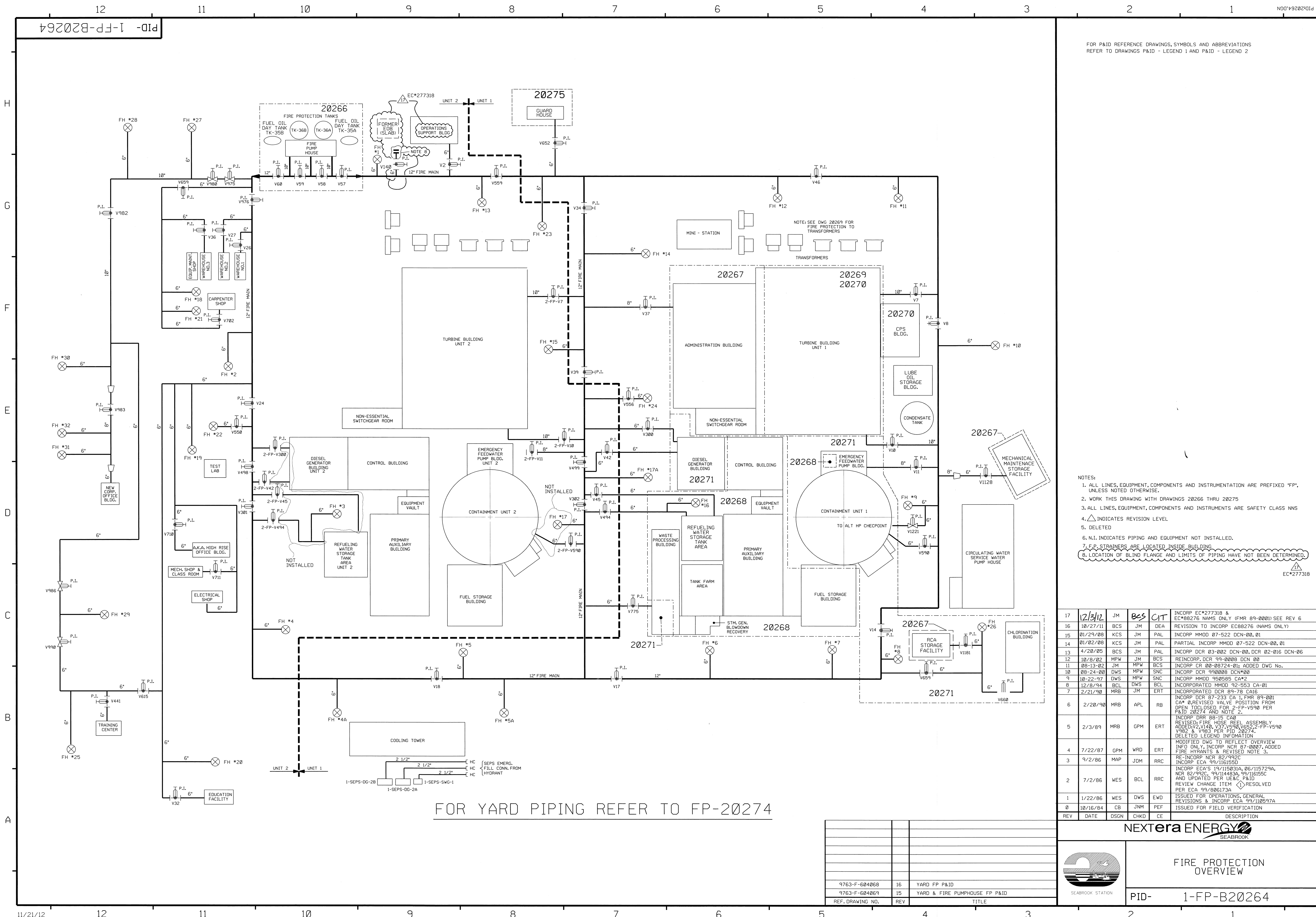
SEABROOK STATION

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



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 20266 THRU 20275
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS
 4. Δ INDICATES REVISION LEVEL
 5. DELETED
 6. N.I. INDICATES PIPING AND EQUIPMENT NOT INSTALLED.
 7. F.P. STRAINERS ARE LOCATED INSIDE BUILDING
 8. LOCATION OF BLIND FLANGE AND LIMITS OF PIPING HAVE NOT BEEN DETERMINED.

17	12/31/12	JM	BES	CIT	INCORP EC*277318 & EC*86276 NAMS ONLY (FMR 89-0001) SEE REV 6
16	10/27/11	BCS	JM	DEA	REVISION TO INCORP EC80276 (NAMS ONLY)
15	01/29/08	KCS	JM	PAL	INCORP MMD 07-522 DCN-00, 01
14	01/02/08	KCS	JM	PAL	PARTIAL INCORP MMD 07-522 DCN-00, 01
13	4/20/05	BCS	JM	PAL	INCORP DCR 03-002 DCN-00, DCR 02-016 DCN-06
12	10/8/02	MPW	JM	BCS	REINCORP. DCR 99-0008 DCN 00
11	08-13-02	JM	MPW	BCS	INCORP CR 00-08724-01; ADDED DWG No.
10	08-24-00	DWS	MPW	SNC	INCORP DCR 990008 DCN#00
9	10-22-97	DWS	MPW	SNC	INCORP MMD 990085 CA#2
8	12/8/94	BCL	DWS	BCL	INCORPORATED MMD 92-553 CA-01
7	2/21/90	MRB	JM	ERT	INCORPORATED DCR 89-78 CA16
6	2/20/90	MRB	APL	RB	INCORP DCR 87-233 CA 1, FMR 89-001 CA* 0, REVISED VALVE POSITION FROM OPEN TO CLOSED FOR 2-FP-V530 PER P&ID 20274 AND NOTE 2.
5	2/3/89	MRB	GPM	ERT	INCORP DRR 88-15 CA0 REVISED FIRE HOSE REEL ASSEMBLY ADDED V2, V140, V37, V590, V552, 2-FP-V590 V592 & V993 PER P&ID 20274. DELETED LEGEND INFORMATION
4	7/22/87	GPM	WRD	ERT	MODIFIED DWG TO REFLECT OVERVIEW INFO ONLY, INCORP NCR 87-0007, ADDED FIRE HYDRANTS & REVISED NOTE 3.
3	9/2/86	MAP	JDM	RRC	RE-INCORP NCR 82/992C INCORP ECA 99/116155D
2	7/2/86	WES	BCL	RRC	INCORP ECA'S 19/115031A, 06/115729A, NCR 82/992C, 99/114483A, 99/116155C AND UPDATED PER UE&C P&ID REVIEW CHANGE ITEM Δ RESOLVED PER ECA 99/806173A
1	1/22/86	WES	DWS	EWD	ISSUED FOR OPERATIONS, GENERAL REVISIONS & INCORP ECA 99/110597A
0	10/16/84	CB	JNM	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	OSCN	CHKO	CE	DESCRIPTION




FIRE PROTECTION OVERVIEW

PID- 1-FP-B20264

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 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.  INDICATES REVISION LEVEL.
10. DELETED
11. DELETED
12. DELETED
13. DELETED
14. DELETED

PORTIONS OF THIS DRAWING ARE

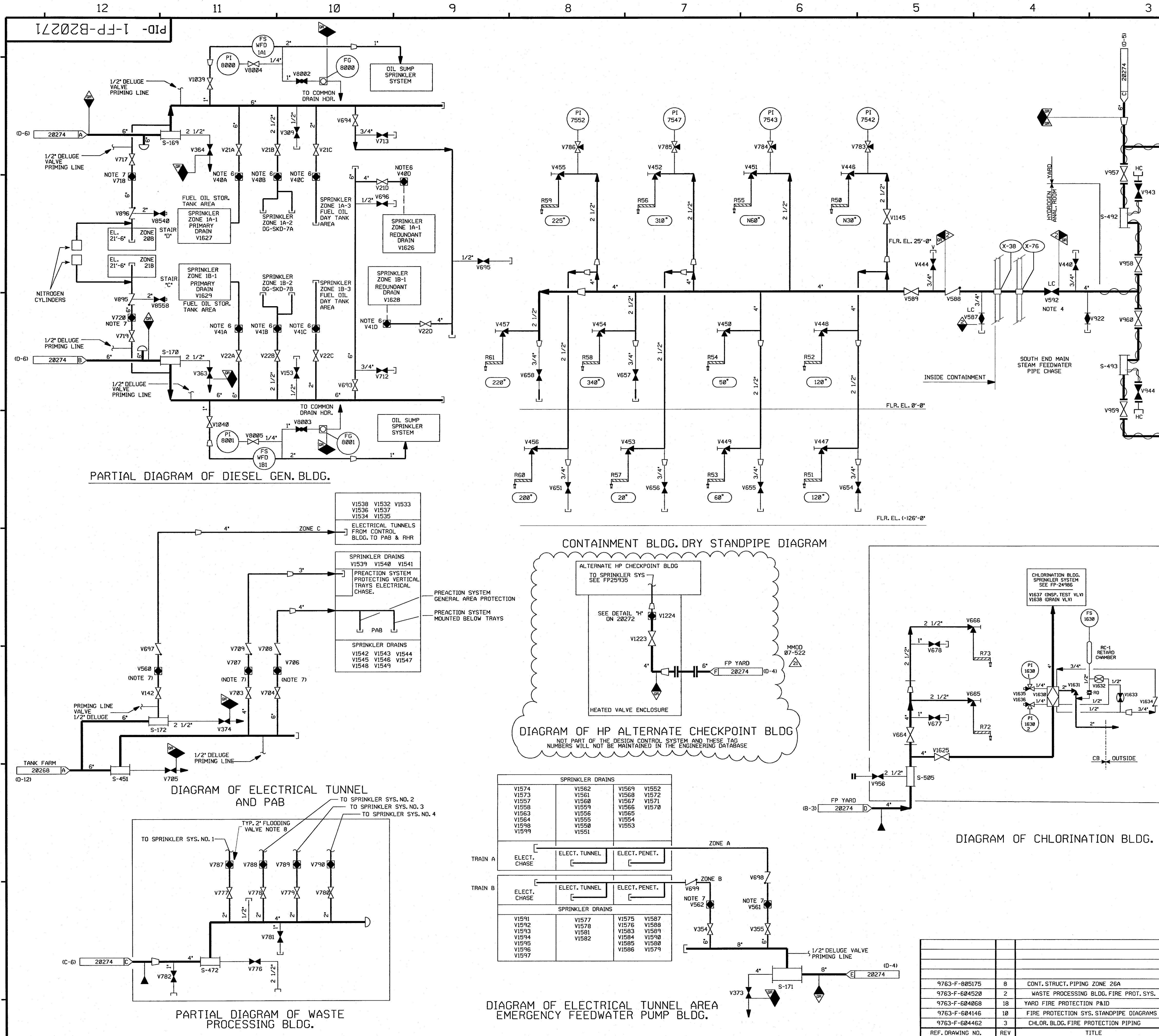
NUCLEAR SAFETY RELATED

21	1/14/03	KCS	JM	022	INCORP MMOD-07-522, DCN-00 & 01
20	10/02/06	BSCS	JM	SPD	INCORP DCR 99-13, DCN-00
19	3/16/86	BSCS	JM	DMF	INCORP DCR 99-13, DCN-00 (PARTIAL)
18	8/28/03	BSCS	MPW	ERT	RE-INCORP ECA 99/1482A
17	7/28/03	BSCS	JM	MPW	RE-INCORP ECA 99/1482A
16	1/1/82	BSCS	JM	ERT	INCORP DCR 00-0004 DCN-00, 02
15	8/31/00	BSCS	MPW	AJK	INCORP MSE 99-328 REV. 8, ECA 99/1482A
14	6/2/98	DRL	MPW	VWS	INCORP MMOD 96-550 DCN 02 & MMOD 97-521 DCN 00
13	8/18/97	MPW	BSCS	VWS	INCORP MMOD 96-550 DCN 01
12	6/7/97	MPW	DWS	BAB	INCORP DCR 96-31 DCN#02
11	3/28/94	DWS	BCL	JRM	INCORP DCR 920012 CA#0
10	4/17/92	MRB	DWS	RRB	INCORP MMOD 91-515 CA0
9	8/25/90	MRB	JM	ERT	INCORP DRR 89-41 REV 1 DELETED OPEN ITEM ABOVE AND NOTES 1 & 13 PER REVISED NOTE 1 ADDED FLOW SWITCHES PER RES 88-427
8	6/23/89	MRB	PAL	ERT FOR RB	INCORPORATED DRR 89-41 REV 0 DELETED FIRE HOSE 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 NO'S FROM V8005, 7 TO V8540, 58, DELETED MMS-1 DESIGNATION INCORP DCR 87-730
5	9/8/87	GPM	MRJ	ERT	REVISED: NOTE 5, CONTAM DWG NO. ADDED NOTE 13, CHANGE ITEM 1, OR BOUNDARIES.
4	12/30/86	MPW	WRD	DCM	ADDED WPB SPRINKLER SYS. NO'S. PER FP-46830. REVISED DWG. CONTIN. REF'S REMOVED SPRINKLERS FOR CABLE SPREADING AREA. ADDED NOTES 11 & 12, AND REDREW ELEC. TUNNEL AND PAR PER ENG. COMMENTS CORRECTED DRAFTING ERRORS.
3	9/2/86	MAP	PAL	RRC	ADDED VALVS V8086, V8087 PER GRINNELL MANUAL. CONT. REF. LOCATIONS. CHANGED VALVE V587 FROM GATE TO PLUG AND ADDED CAP PER ERECTION ISO. DELETED NOTE 10.
2	6/27/86	JDM	BCL	RRC	INCORP NCR 82/1932C, ECA 99/090108B APPROVED CHANGE ITEM NUMBERS 2,3,4,5 BY DETAILING VENDOR PIPING ADDED VALVE NOS. & PT NOS.
1	1/22/86	WES	DWS	EWD	ISSUED FOR OPERATIONS GENERAL REVISIONS
0	10/16/84	CB	JNM	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CF	DESCRIPTION

FPL ENERGY Seabrook Station

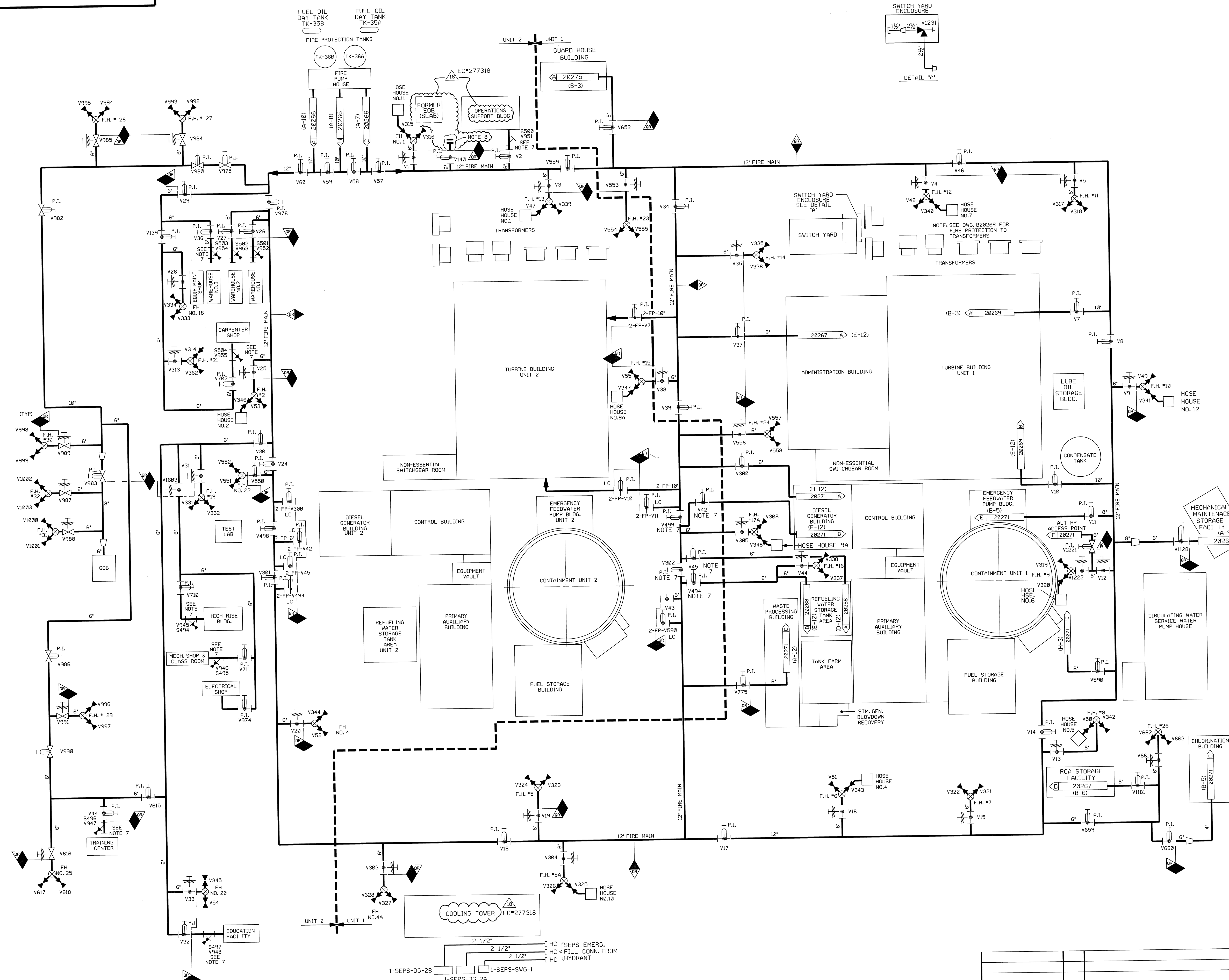
FIRE PROTECTION DETAILS

PID- 1-FP-B20271



PID-1-FP-B20274

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



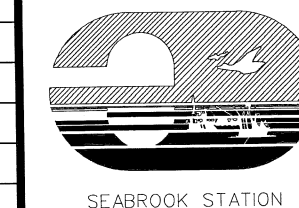
- NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION ARE PREFIXED "FP", UNLESS NOTED OTHERWISE.
 2. WORK THIS DRAWING WITH DRAWINGS 20264, 20266 THRU 20275.
 3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS
 4. Δ INDICATES REVISION LEVEL
 5. N.I. INDICATES PIPING AND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

EC*277318

18	12/3/12	JM	BCS	CIT	INCCORP EC*277318 & EC*988276 NAMS ONLY (FMR 89-0001) SEE REV 3
17	10/27/11	BCS	JM	DEA	REVISION TO INCCORP EC88276 (NAMS ONLY)
16	9/14/09	BCS	JM	RTS	INCCORP EC 12734
15	01/29/08	KCS	JM	PAL	INCCORP MM00 07-522 DCN 00, 01
14	01/02/08	KCS	JM	PAL	PARTIAL INCCORP MM00 07-522 DCN 00, 01
13	9/22/05	BCS	JM	RRB	INCCORP DCR 03-002 DCN-00
12	5/8/02	MPW	JM	RRB	INCCORP MSE 02-074 REV.00
11	6/22/00	DWS	MPW	JNE	INCCORP DCR 99-008 DCN*00 & 05
10	6/2/98	DRL	BCS	VWS	INCCORP MM00 97-521 DCN 00
9	10/22/97	DWS	MPW	SNC	INCCORP MM00 950585 CA* 02
8	3/4/94	MRB	BCL	GRM	INCCORP MM00 92-553 CA01
7	3/31/93	MRB	BCL	JCM	INCCORP MM00 92-553 CA00
6	4/21/92	MRB	BCL	JEV	INCCORP MM00 91-515 CA00,01
5	12/21/90	MRB	RMC	ERT	INCCORP DCR 89-78 CA 16
4	9/24/90	MRB	JM	BCL	INCCORP MM00 90-516 CA 0
3	2/20/90	MRB	APL	RB	INCCORP DCR 87-233 CA 1 & MM00 89-545 INCCORP FMR 89-001 CA00 REVISED: OPERATOR VALVE SYMBOL, DWG CONT COORD'S AND NOTE 2, ADDED; DWG CONT NO & COORD.
2	2/3/89	MRB	GPM	ERT	INCCORPORATED DRR 88-15, CA0 DELETED; LEGEND INFORMATION REVISED: F.H. NO 12 TO 22 PER UE & C DRAWING
1	9/8/87	GPM	MPW	ERT	INCCORP ECA 99/1161950, REVISED: PIPING CONFIG PER NCR 87-0007, NOTE 3, ADDED; OR BOUNDARIES & CORRECTED DRAFTING ERRORS.
0	1-8-87	SHY	WRD	ERT	ISSUED FOR OPERATIONS
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXTERA ENERGY

SEABROOK



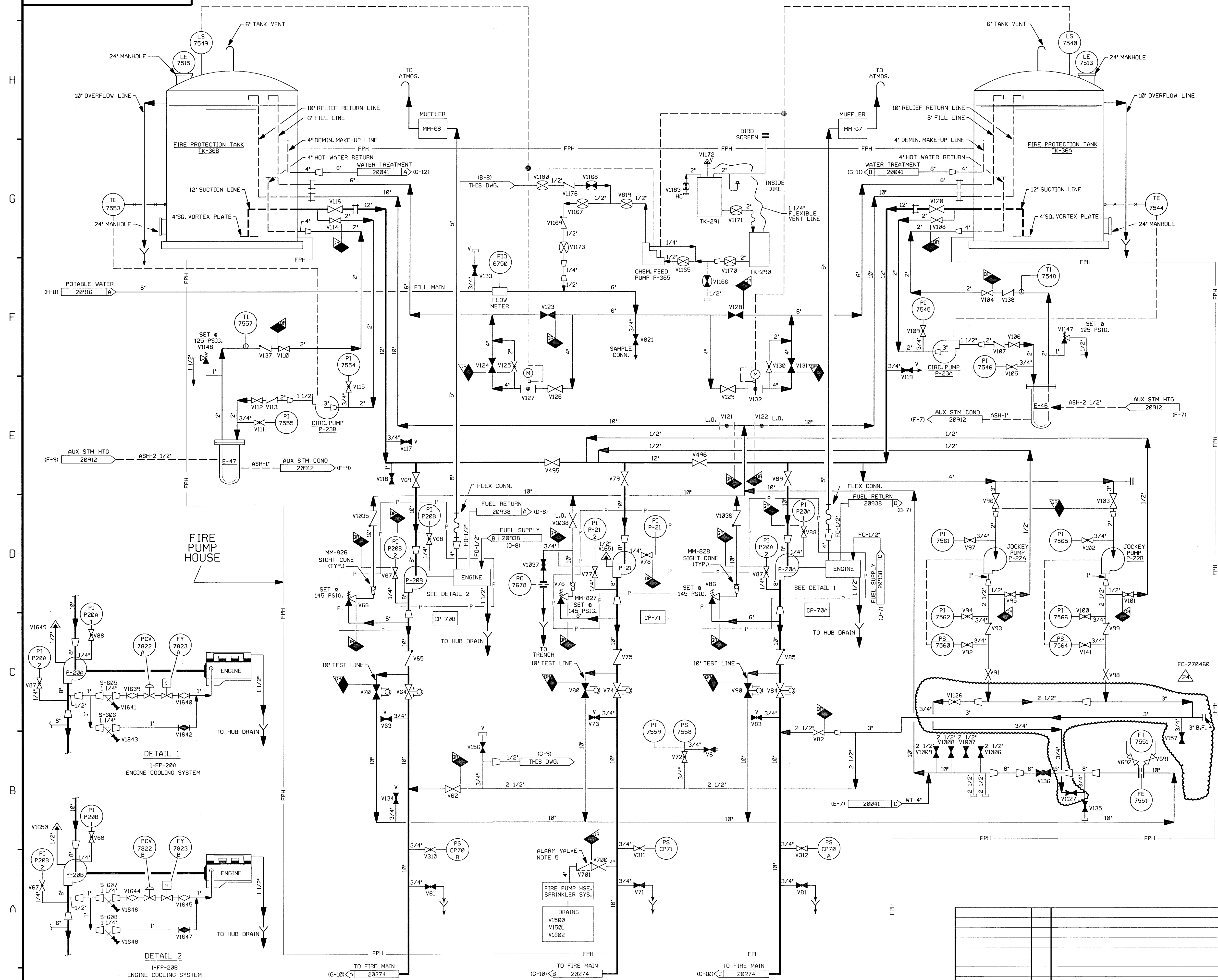
FIRE PROTECTION
YARD PIPING

PID- 1-FP-B20274

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

PID- 1-FP-B20266

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 HAVE SYS. PREFIX FP, UNLESS NOTED OTHERWISE.
2. WORK THIS DRAWING WITH DRAWINGS 20264 AND 20267 THRU 20272.
3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
4. DELETED
5. SEE DETAIL "D" DWG. 20272.
6. Δ 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.

24	1/4/11	GFS	JWL	CIC	INCRP, EC-270460
23	10/22/07	BCS	JM	RCP	INCRP,MMOD 07-505 DCN-00
22	12/30/03	BCS	JM	RRB	INCRP, CR 02-13172 REV.00
21	6/11/03	JM	BCS	MPW	INCRP, CR 03-20751 REV 00
20	8/13/02	JM	MPW	BCS	INCRP, CR* 00-0231-01
19	10/15/01	JM	BCS	JCM	INCRP, CR* 01-04266-01
18	5/26/00	BCS	MPW	JCM	INCRP, DCR 98-24 DCN 10
17	4/28/00	BCS	MPW	JCM	INCRP, DCR 98-24 DCN 00,02,03,07
16	2/23/00	BCS	DWS	JCM	PARTIAL INCRP, DCR 98-24 DCN 00
15	1/28/99	BCS	DWS	JCM	INCRP,MMOD 98-634 DCN 00
14	10/30/98	MPW	BCS	DJM	INCRP, DCR 97-534 DCN 00
13	11/25/97	BCS	MRB	ETM	INCRP, DCR 97-23 DCN-0
12	5/2/96	BCS	DWS	JCM	INCRP, DCR 95-18 CA-0
11	3/5/95	BCL	MPW	JCM	INCRP,MMOD 94-514 CA-0
10	3/8/94	MRB	BEL	GRM	INCRP,MMOD 92-553 CA01 & MMOD 93-553 CA-0
9	12/13/93	MRB	BCL	RSG	INCRP, DCR 86-140 CA 04
8	11/1/93	BCL	DWS	JCM	INCRP,MMOD 93-501 CA-0
7	10/25/90	MRB	JM	ERT	INCRP, DRR 89-41 REV 01
6	5/22/89	GPM	MRB	ERT RB	INCRP, DCR 86-325 CA 01 & DRR 89-41 REVISED, PIPING TO CLARIFY DEDUPLICATION OF SYSTEM INTERFACES ADDED: CONT. COORDS. DELETED: NOTE 4 AND ITEM IN THE ILL...
5	8/28/87	GPM	MRJ	ERT	REVISED NOTE 3, ADDED NOTE 8 & 9, OR BOUNDARIES DELETED NOTE 10.
4	04/08/87	MRJ	DWS	ERT	ADDED VALVES PER AS-INSTALLED CONDITIONS, REVISED SYMBOL FOR CHAIN OPERATED VALVES. ADDED, CONT. REF. LOCATIONS, DELETED NOTE 7, REVISED INSTR. LOCATION FOR EJECTION ISO, VALVE NPS PER UE&C FIELD CORRECTED DRAFTING ERRORS ISSUED ECR 95/11633-04 & OR 95/0668 IN ILL
3	10/17/86	MPW	BCL	RRC	CHANGE ITEMS 1,2,3,4,6 & 7 RESOLVED FOR ECR 19716419, 3A/141520, DR 95/0668, CRR-35, ADDED FUEL OIL CONT. 1, REV'D PW CONT.
2	6/24/86	DWS	VNK	RRC	ISSUED FOR OPERATIONS, GENERAL REVISIONS INCORPORATED ECR'S 95/17638, 95/22708 06/10/0100E
1	1/22/86	WES	DWS	EWD	ISSUED FOR FIELD VERIFICATION
0	10/16/84	CB	JNM	PEF	
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

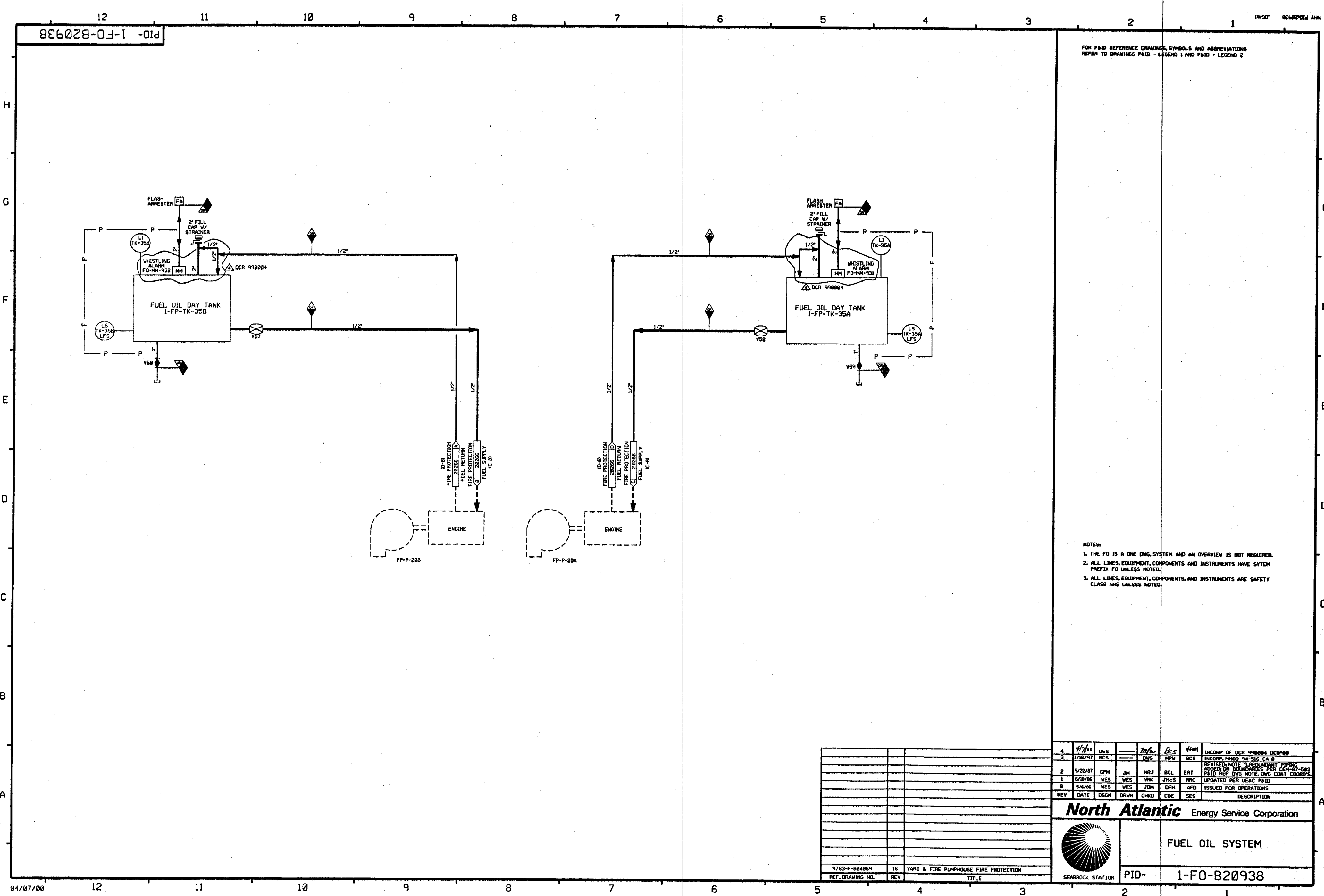
NEXTERA ENERGY 
SEABROOK



FIRE PROTECTION
FIRE PUMP HOUSE
DETAIL

PID- 1-FP-B20266

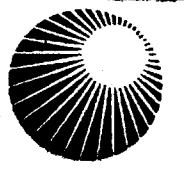
9763-F-604069	18	YARD & FIRE PUMP HOUSE PIPING DIAGRAM
REF. DRAWING NO.	REV	TITLE



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

- NOTES:
1. THE FO IS A ONE DNG. SYSTEM AND AN OVERVIEW IS NOT REQUIRED.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYTEM
PREFIX FO UNLESS NOTED.
 3. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS ARE SAFETY
CLASS NNS UNLESS NOTED.

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
4	4/7/00	DWS		M/W	R/S	Yoon	INCRP OF DER 990004 DCM#00
3	1/16/97	BCS		DWS	MPM	BCS	INCRP, MMD 54-516 CA-8
2	9/22/87	GPM	JM	MRJ	BCL	ERT	REVISED NOTE 3 REDUNDANT PIPING ADDED IN BOUNDARIES PER C&P-57-503
1	6/18/86	WES	WES	WVK	JMC	RRC	P&ID REF DNG NOTE, DNG CONT. COORDS.
0	3/4/86	WES	JDM	DFM	AFD		ISSUED FOR OPERATIONS

4	4/7/00	DWS		M/W	R/S	Yoon	INCRP OF DER 990004 DCM#00
3	1/16/97	BCS		DWS	MPM	BCS	INCRP, MMD 54-516 CA-8
2	9/22/87	GPM	JM	MRJ	BCL	ERT	REVISED NOTE 3 REDUNDANT PIPING ADDED IN BOUNDARIES PER C&P-57-503
1	6/18/86	WES	WES	WVK	JMC	RRC	P&ID REF DNG NOTE, DNG CONT. COORDS.
0	3/4/86	WES	JDM	DFM	AFD		ISSUED FOR OPERATIONS
REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
North Atlantic Energy Service Corporation							
 FUEL OIL SYSTEM							
PID- 1-F0-B20938							

PID-1-PP-B20269

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, 20265, 20267, 20268, 20270, 20271, 20274.
 3. DELETED
 4. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NMS, UNLESS NOTED OTHERWISE.
 5. SEE DETAILS ON PID-20272.
 6. Δ 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 ISOLATION VALVE.
 11. SEE DETAIL "B" ON DWG 20272.

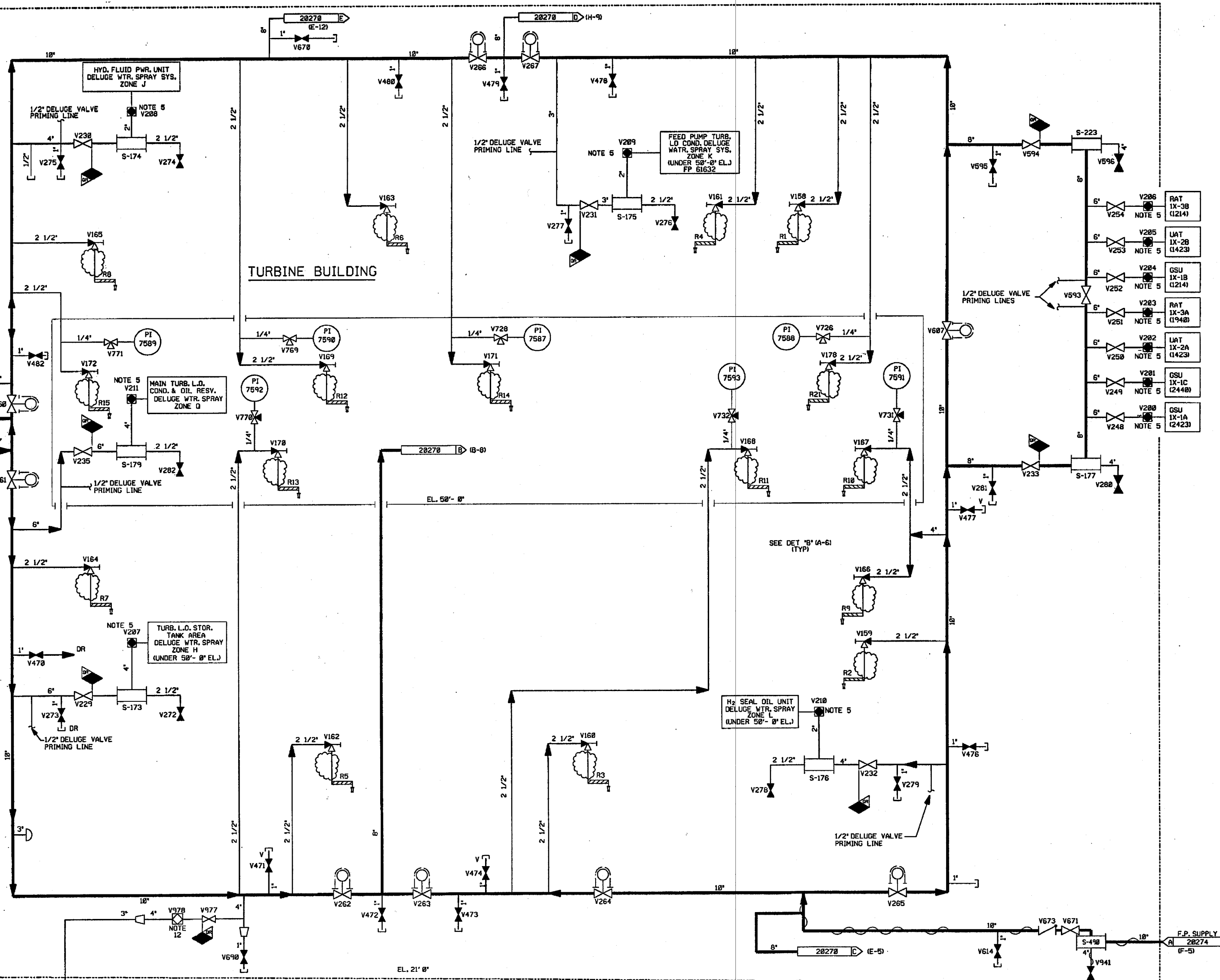
15	3/16/06	BCS	JM	DH	INCORP. DCR 99-13 DCM-00
14	9/29/05	BCS	JM	RRB	INCORP. CR 05-09878 REV. 8
13	12/28/04	BCS	JM	RRB	INCORPORATED MMD 04-520 DCM-00
12	10/31/02	BCS	MPW	MKC	INCORPORATED DCR 00-014 DCM-00
11	5/24/02	MPW	BCS	DJM	INCORPORATED DCR 97-012 DCM 27
10	8/27/99	MPW	BCS	RWS	ADDED LINE SIZE PER FP 61632, REVISED NOTE 5 FOR GENERAL REFERENCE.
9	12/16/94	BCL	MPW	RSG	INCORPORATED MMD 94-548 CA#
8	3/24/94	MRB	BCL	WFZ	INCORPORATED MMD 92-553 CA#01 & DCR 930016 CA#0
7	3/31/93	MRB	BCL	JCM	INCORPORATED MMD 92-553 CA#
6	4/28/92	MRB	DWS	RRB	INCORPORATED MMD 91-518 CA#
5	9/20/87	MPW	DWS	RRC	INCORPORATED DCR 87-157
4	8/19/87	GPM	MPW	EAT	REVISED NOTE 4, REINCORPORATED ECA 74/113324E, ADDED OR BOUNDARIES DET. 8, NOTES 9, 10, CHANGE ITEMS 1&2.
3	12/28/86	MPW	WRD	DCM	REVISED CONT. REFS., LUBE OIL STORAGE ROOM SPRINKLER HEADER LOCATION PER FIELD WALKDOWN, REVISED CHAIN OPERATOR SYMBOL PER P&ID LEGEND ADDED NOTE 8.
2	6/23/86	VES	VNK	RRC	ADDED REF. DWG. LOCATIONS, DELETED NOTE 7, ADDED N.C. TO V497, PLUGS VENT AND DRAIN PIPING, CAPS, PLUGGED CONNECTIONS AND REVISED TIE-IN LOC. AND VALVE NO. PER ERECTION ISO.
1	1/22/86	VES	DWS	END	ISSUED FOR OPERATIONS GENERAL REVISIONS.
0	10/16/84	CB	JNM	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

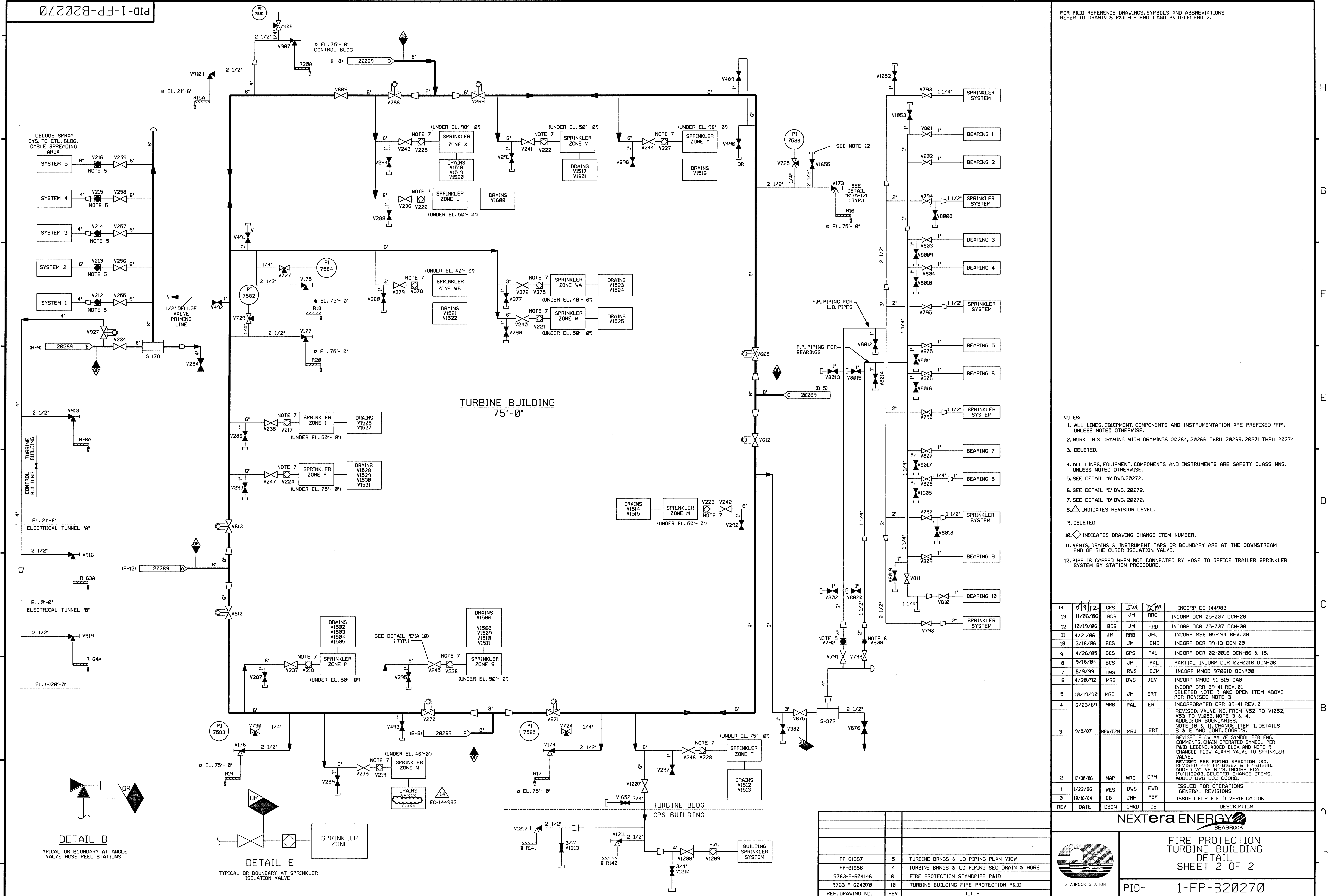
FPL ENERGY Seabrook Station





FIRE PROTECTION
TURBINE BUILDING
DETAIL
SHEET 1 OF 2

PID-1-PP-B20269



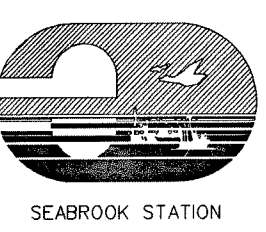


FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID-LEGEND 1 AND P&ID-LEGEND 2.

- NOTES:
1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION ARE PREFIXED 'IP', UNLESS NOTED OTHERWISE.
 2. WORK THIS DRAWING WITH DRAWINGS 20264, 20266 THRU 20269, 20271 THRU 20274
 3. DELETED.
 4. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
 5. SEE DETAIL 'A' DWG. 20272.
 6. SEE DETAIL 'C' DWG. 20272.
 7. SEE DETAIL 'D' DWG. 20272.
 8.  INDICATES REVISION LEVEL.
 9. DELETED
 10.  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.

14	6/19/92	GPS	JM	JM	INCORP EC-144983
13	11/06/06	BCS	JM	RRC	INCORP DCR 05-007 DCN-28
12	10/19/06	BCS	JM	RRB	INCORP DCR 05-007 DCN-00
11	4/21/06	JM	RRB	JMJ	INCORP MSE 05-194 REV. 00
10	3/16/86	BCS	JM	DMQ	INCORP DCR 99-13 DCN-00
9	4/26/85	BCS	GPS	PAL	INCORP DCR 82-0016 DCN-06 & 15.
8	9/16/04	BCS	JM	PAL	PARTIAL INCORP DCR 02-0016 DCN-06
7	6/9/99	DWS	RWS	DJM	INCORP MMOD 970618 DCN#00
6	4/20/92	MRB	DWS	JEV	INCORP MMOD 91-515 CA0
5	10/19/90	MRB	JM	EAT	INCORP DRR 89-41 REV. 01 DELETED NOTE 9 AND OPEN ITEM ABOVE PER REVISED NOTE 3
4	6/23/89	MRB	PAL	EAT	INCORPORATED DRR 89-41 REV. 0 REVISED VALVE NO. FROM V52 TO V1052, V53 TO V1053, NOTE 3 & 4, CHANGED GR BOUNDARIES, NOTE 10 & 11, CHANGED ITEM 1, DETAILS B & E AND CONT. COORD'S.
3	9/8/87	MPW/GPM	MRJ	EAT	REVISED FLOW VALVE SYMBOL PER ENG. COMMENTS, CHAIN OPERATED SYMBOL PER P&ID LEGEND, ADDED ELEV. AND NOTE 9 CHANGED FLOW ALARM VALVE TO SPRINKLER VALVE. REVISED PER PIPING ERECTION ISO, REVISED PER PP-8165 & PP-6188. ADDED VALVE NO'S: INCORP ECA 19/113208, DELETED CHANGE ECA ADDED DWG LOC COORDS.
2	12/20/86	MAP	WRD	GPM	ISSUED FOR OPERATIONS GENERAL REVISIONS
1	1/22/86	WES	DWS	EWD	ISSUED FOR FIELD VERIFICATION
0	10/16/84	CB	JNM	PEF	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXTERA ENERGY
SEABROOK






FIRE PROTECTION
TURBINE BUILDING
DETAIL
SHEET 2 OF 2

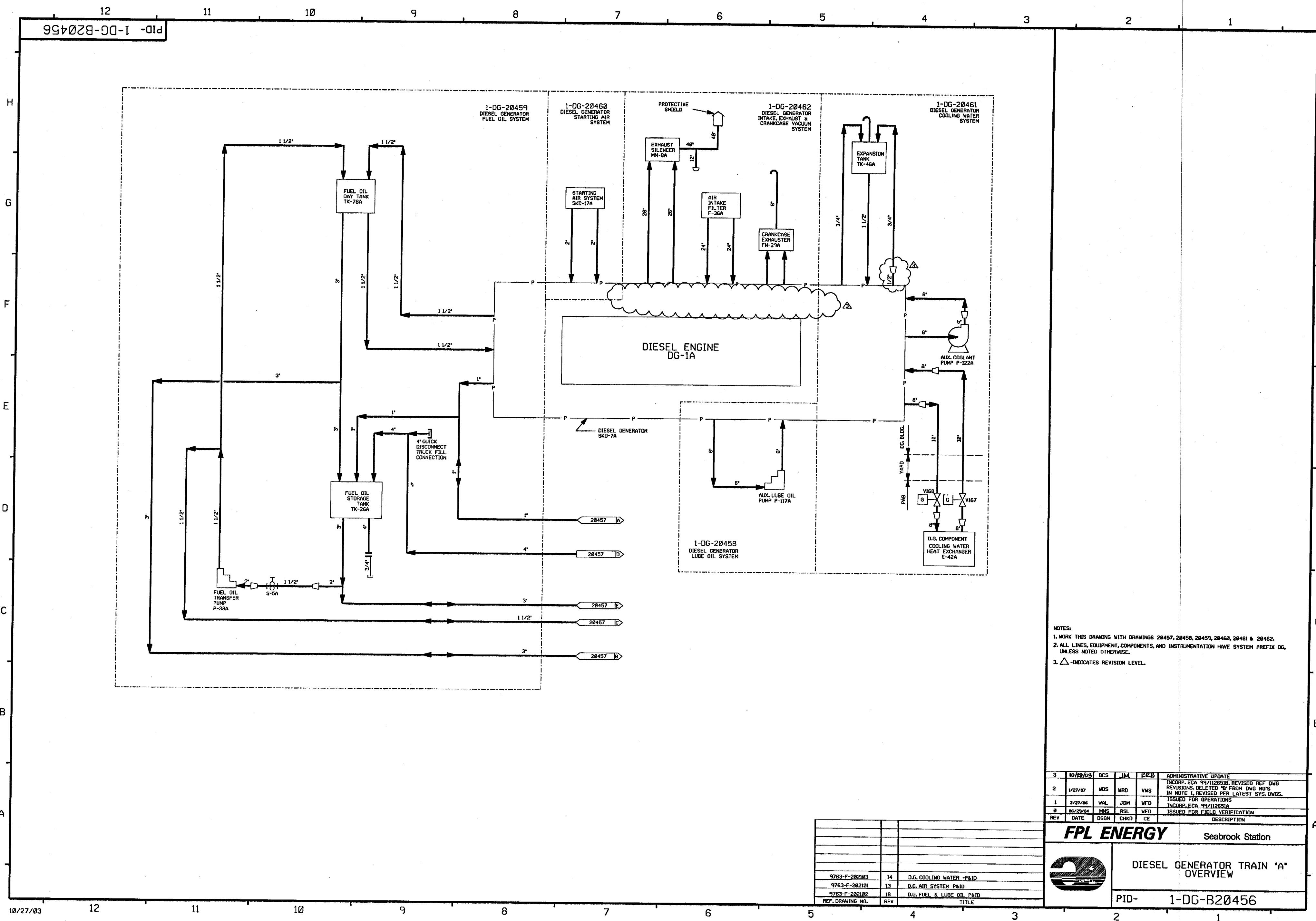
PID- 1-FP-B20270

NOTES:

1. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION ARE PREFIXED "FP", UNLESS NOTED OTHERWISE.
2. WORK THIS DRAWING WITH DRAWINGS 20264, 20266, 20267 & 20269 THRU 20275.
3. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS NOTED OTHERWISE.
4. Δ INDICATES REVISION LEVEL.
5. DELETED
6. DELETED
7. VALVE 920 TO BE NORMALLY CLOSED DURING PERIODS OF FREEZING TEMP. HOSE RACK 3I IS DRY STANDPIPE DURING THESE PERIODS.
8. VENTS, DRAINS & INSTRUMENT TAPS OR BOUNDARY ARE AT THE DOWNSTREAM END OF THE EMERGENCY ISOLATION VALVE.
9. CONNECTION FOR EMERGENCY MAKE-UP TO CST USING TEMPORARY HOSE (CO-20426 G-7)

			
		<p>FIRE PROTECTION STANDPIPE DETAIL</p>	
<p>SEABROOK STATION</p>		<p>PID- 1-FP-B20268</p>	






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. △ 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	WFD	ISSUED FOR OPERATIONS
0	06/29/94	MNS	RSL	WFD	INCDP, ECA 99/112651A
REV	DATE	DSGN	CHKD	CE	ISSUED FOR FIELD VERIFICATION

FPL ENERGY

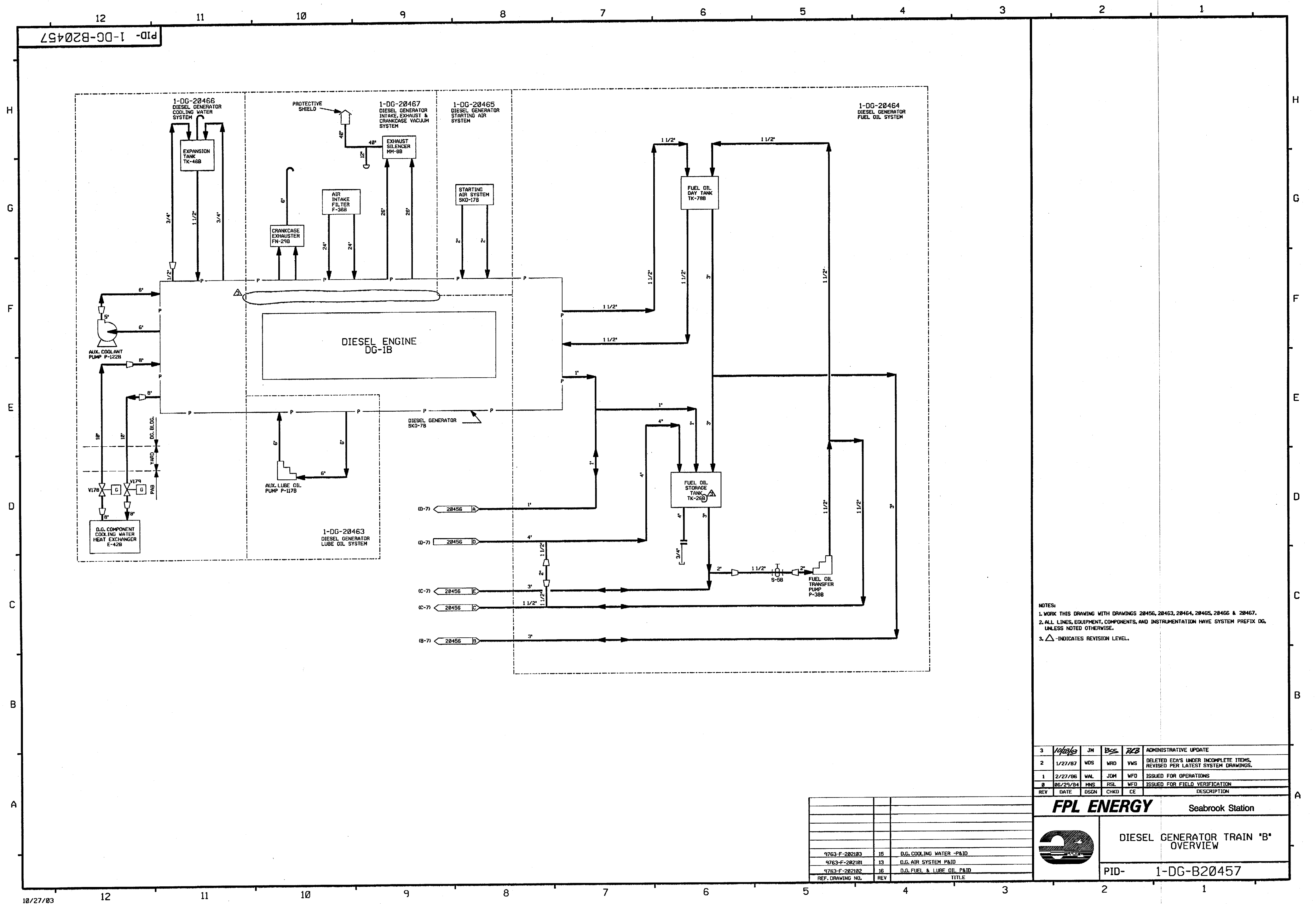
Seabrook Station



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

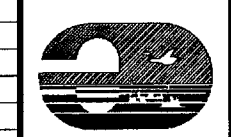


NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20456, 20463, 20464, 20465, 20466 & 20467.
2. ALL LINES, EQUIPMENT, COMPONENTS, AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
3. Δ INDICATES REVISION LEVEL.

3	10/28/03	JM	BSS	RKB	ADMINISTRATIVE UPDATE
2	1/21/87	WDS	WRD	VMS	DELETED ECA'S UNDER INCOMPLETE ITEMS, REVISED PER LATEST SYSTEM DRAWINGS.
1	2/27/86	WAL	JOM	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 TRAIN 'B'
OVERVIEW

PID- 1-DG-B20457

9763-F-202103	15	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
REF. DRAWING NO.	REV	TITLE

PID-1-DG-B20459

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

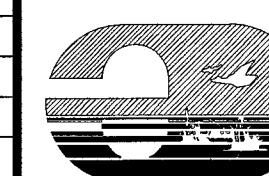
PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 20456, 20457, 20458, 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. DELETED.
7. VENT, DRAINS AND TEST CONN. SAFETY CLASS AND CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-805111, UNLESS NOTED OTHERWISE.

16	10-9-08	JM	Bas	JL	PARTIAL REINCORP MMOD 03-504 DCN 00
15	3/20/08	JM	BCS	JME	INCORP. MMOD 07-538 DCN 00 & MMOD 03-504 DCN 00
14	9/8/00	BCS	MPW	MKC	INCORP. DCR 90-029 DCN-0
13	11/1/95	MPW	BCS	VWS	INCORP. MMOD 96-550 CA0
12	11/1/95	BCL	MPW	RSB	INCORP. DCR 94-12 CA-0, 01 & MMOD 95-583 CA-0
11	5/27/94	MRB	JCM	GRM	INCORP. MMOD 92-546 CA0 & DCR 90-029 CA0
10	7/23/92	MRB	BCL	DJM	INCORP. DCR 90-013 CA5
9	5/26/92	MRB	BCL	DJM	PARTIAL INCORP. DCR 90-013 CA0
8	4/20/92	MRB	BCL	RRB	INCORP. MMOD 91-515 CA0
7	8/24/91	MRB	JM	RRC	INCORP. DCR 90-49 CA0 ADDED SYSTEM & TRAIN DESIGNATION PER 1-NHY-805337 & 506399
6	8/14/89	MRB	APL	MAC	INCORP. DCR 89-33 CA 03 DELETED CODE BREAKS PER NOTE 7.
5	1/7/87	MRJ	WRD	RRC	CORRECTED TAG NO. OF TK-26 REVISED DUPLEX STRAINER APPR'T. PER NCR 82/10868, REV'D CODE FLAG PER SBP-86-875, CORRECTED DRAFTING ERROR, ADDED REF. DWGS.
4	10/3/86	MAP	JDM	RRC	ADDED CONT. COORDINATES, REVISED PER PIPING ERECTION ISO'S ADDED CODE BREAKS, REVISED LG-1A IN ERROR, DELETED "B" DESIGNATION IN NOTE 1 INCORP. NCR 73/35A
3	6/24/86	WAL	BCL	RRC	INCORP. ECA'S 99/112651/0 & 00/1101730
2	2/27/86	WAL	JDM	WFD	ISSUED FOR OPERATIONS & INCORP. ECA'S 99/112651A, 00/111331A
1	11/24/84	DWS	JNM	PEF	CODE BREAKS ADDED
0	06/29/84	MNS	JNM	WFD	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

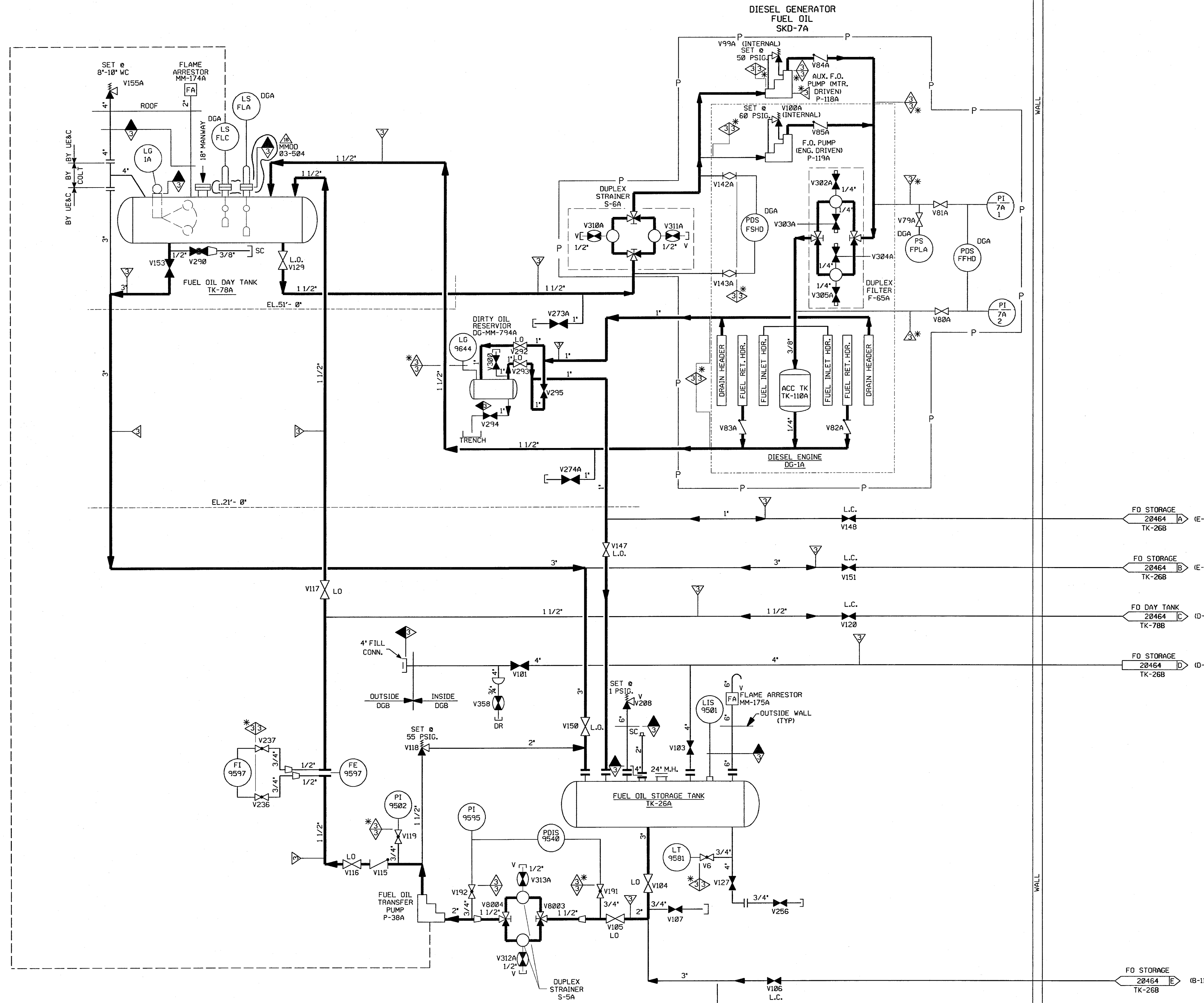
FPL ENERGY Seabrook Station



DIESEL GENERATOR
FUEL OIL SYSTEM TRAIN "A"
DETAIL

PID- 1-DG-B20459

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
FP 20669	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&I DIAGRAM
REF. DRAWING NO.	REV	TITLE			





PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED



NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 20456, 20457, 20459, 20463, 20465, 20466 & 20467.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
3. DELETED.
4. DELETED

5. △ INDICATES REVISION LEVEL.

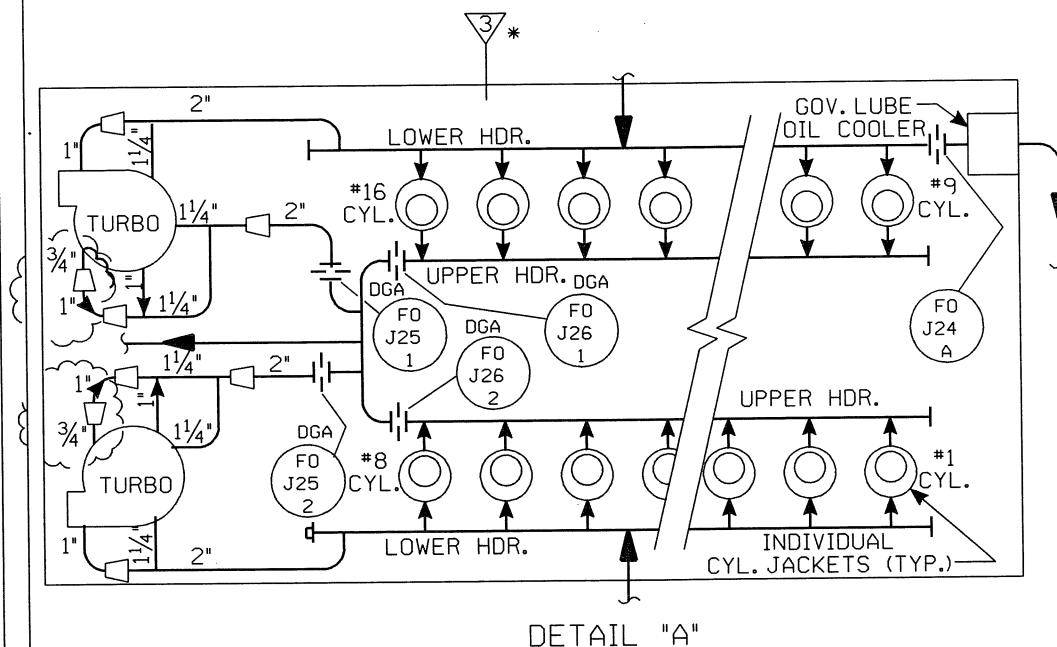
6. VENT, DRAINS AND TEST CONN. SAFETY CLASS AND CODE BREAKS ARE AT THE DOWNSTREAM END OF THE VENT ISOLATION VALVE PER 1-NAY-0001 UNLESS NOTED OTHERWISE.

18	10-9-08	BCS	JM	ML	INCPOR. MMOD 03-584 DCN 00
17	7/27/00	BCS	MPW	MKC	INCPOR. DCR 90-029 DCN-00
16	10/30/96	MPW	BCS	VWS	INCPOR. MMOD 96-550 CA0
15	11/1/95	BCL	MPW	RSO	INCPOR. DCR 94-12 CA-0, 01 & MMOD 95-583 CA-0
14	5/9/94	MPW	BCL	GRM	BACKED OUT DCR 90-029
13	5/8/94	MRB	MPW	ARB	INCPOR. MMOD 92-546 CA0 & DCR 90-0029 CA0
12	7/4/92	MRB	MPW	DJM	INCPOR. DCR 90-013 CA5
11	5/26/92	MRB	BCL	DJM	PARTIAL. INCPOR. DCR 90-013 CA0
10	4/13/92	MRB	DWS	JEV	INCPOR. MMOD-91-515 CA0
9	9/6/91	MRB	JM	RRC	INCPOR. DCR 90-49 CA0
8	6/20/91	MRB	DSB	APL	ISSUED TO CORRECT ADMINISTRATIVE ERROR
7	11/20/89	MRB	APL	GRM	INCORPORATED DCR 89-33 CA 03
6	6/14/88	GPM	APL	DJM	INCPOR. 87-313 REVISED NOTE: 6 DELETED MMS-1 CLASS BOUNDARY
5	12/22/86	MRJ	WRD	RRC	CORRECTED TAG, NO. OF TX-26; REVISED DUPLICATION STRAINER ARRGT. PER NCR 82/10866, REVISED CODE FLAG PER SPP 86-576.
4	10/10/86	PAL	BCL	RRC	REVISED PER ECA 99/1001018, ECA 20/1101736, NCR 73/3504, ADDED NOTE DOWS COLOR LOC. FOREIGN PRINTS TO REV BLOCK THE FOLLOWING CHANGES MADE PER UEXAC P&ID: ADDED CLASS 3 FLAG TO 4" LINE CLASS 3 NO TO TRIANGLE AND LINE NO. DOWS W/ W/ W/ W/ SHOWN IN ERROR. V255 CORRECTED FROM V225, FLANGES DELETED FROM SKID.
3	6/23/86	WAL	VNK	RRC	INCORPORATED ECA 00/1101736 & ADDED PER LATEST P&ID.
2	2/27/86	WAL	JDM	WFO	ISSUED FOR OPERATIONS & INCPOR. ECA 99/1101736
1	11/23/84	DWS	JNM	PEF	CODE BREAKS ADDED
0	06/23/84	MNS	SLD	WFO	ISSUED FOR FIELD VERIFICATION
REV	DATE	DCSN	CHKO	CF	DESCRIPTION


LINE	SWR	SWR	SWR	SWR	SWR	SWR	SWR
 FPL ENERGY							Seabrook Station
		DIESEL GENERATOR FUEL OIL SYSTEM TRAIN "B" DETAIL					

PID- 1-DG-B20464

FP 21070	9	EMERG DIESEL GEN FUEL OIL DAY TANK
FP 20669	9	EMERG DIESEL GEN JACKET WTR EXP TANK
9763-F-202102	16	D.C. FUEL & LUBE OIL P&I DIAGRAM
REF DRAWING NO.	REV	TITLE



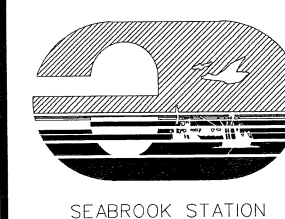
NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 20456, 20457, 20458, 20459, 20460, 20462 & 20466.
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-NHY-805111, UNLESS NOTED OTHERWISE.
5.  INDICATES REVISION LEVEL.
6. THIS VALVE HAS BEEN STAKED IN A PRE-DETERMINED THROTTLED POSITION.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

NO	DATE	BY	CHKD	CF	DESCRIPTION
22	10/17/82	JM	BOS	DOM	INCORP EC*144992 AND EC*274318
21	12/8/81	JM	BOS	AJH	INCORP EC*156655
20	2/5/80	BOS	JM	CIC	INCORP EC*145114
19	11/16/06	JM	BOS	RRB	INCORP MMOD 03-584 DCM 00 & MSE 05-009 REV 0
18	10/15/03	BOS	MPW	RRB	INCORP MMOD 00-531 DCM-0
17	5/7/82	JM	MPW	DJM	INCORP MSE: 01-0009 REV 0 AND ORC 00-13290
16	11/9/80	BOS	MPW	SFJ	INCORP DCR 00-0026 DCM-00
15	6/2/98	DRL	BOS	VWS	INCORP MMOD 97-521 DCM 00
14	10/30/95	BCL	MPW	GRM	INCORP DCR 94012 CA-0, 01 & REINFORC. NR 742/2318
13	12/9/94	DWS	BCL	MMH	INCORP MMOD 930545 CA-0
12	5/27/94	BCL	MPW	GRM	INCORP MMOD 94-506 CA-0 & MMOD 92-546 CA-0
11	10/22/93	MRB	BCL	GRM	INCORP MMOD 92-266 CAB AND PARTIAL INCORP DCR 92-546 CA0
10	4/23/92	MRB	BCL	RRB	INCORP MMOD'S 91-515 CA0 & 91-622 CA0
9	10/29/89	MRB	JM	BCL	INCORP MMOD 90-601 CA00
8	12/2/88	MRB	GPM	GRM	INCORPORATED DCR 88-122, CA0 REVISED; PIPING TO CLARIFY DUPLICATION OF ASSOCIATED SYSTEMS & INTERFACES, DELETED CLASS BREAK AND SYSTEM CLASS DESIGNATION.
7	8/31/88	GPM	APL	GRM	INCORP DCR 88-25 CA2 REVISED; NOTE 4 DELETED; NNS-I CL BOUNDARY
6	3/6/87	MRJ	OPD	RRC	CORRECTED DRAFTING ERROR BY ADDING VALVE TAG NO.
5	2/10/87	JDM	MPW	VWS	REVISED SASS VALVE CLASS, PER MEMO SBP-86-876 YACC, REVISED CONFIG. PER RF 20588 & PF 22574, CORRECTED TAG NUMBER OF TI-9546 PER DISPOSITION OF CAR 86/22A, CHANGED TI-9546 TO TI-9549 PER CAR 86/22A, CORRECTED CLASS BREAK SHOWN IN DGA ADDED PER UERC P&ID, ADDED UG271 & LINE NO. PER NR 94/1382A, RELOCATED PI-9542 & TI-9547 PER PIPING ERECTION ISO, ADDED CHANGE ITEM 1, PER CAR 82/22A, ADDED FOREIGN PRINT NO. 5 & DWG. COORDINATE LOCATIONS & NOTE 5.
4	10/10/86	PAL	BCL	RRC	REVISED SASS CLASS-ADD SPEC BREAKS
3	6/23/86	BCL/ JDM	VNK	RRC	REVERSE VALVE POSITION INSTRUCTION. NR-94/1382B
2	2/27/86	DWS	JDM	WFO	ISSUED FOR OPERATIONS & INTERF. CAR 89/106842A
1	11/29/84	DAL	JNM	PEF	CODE BREAKS ADDED
0	06/29/84	MNS	RSJ	WFO	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CF	DESCRIPTION

FP 21175	4	DG COOLANT BACKUP JW PMP. & MTR.OUTLINE	
FP 20699	9	EMERG. DG SKID GEN. ARRANG'MT	
FP 21069	7	EFWP PUMP ASSEMBLY	
9763-F-202103	14	DIESEL GENERATOR COOLING WATER - P&ID	
REF. DRAWING NO.	REV	TITLE	



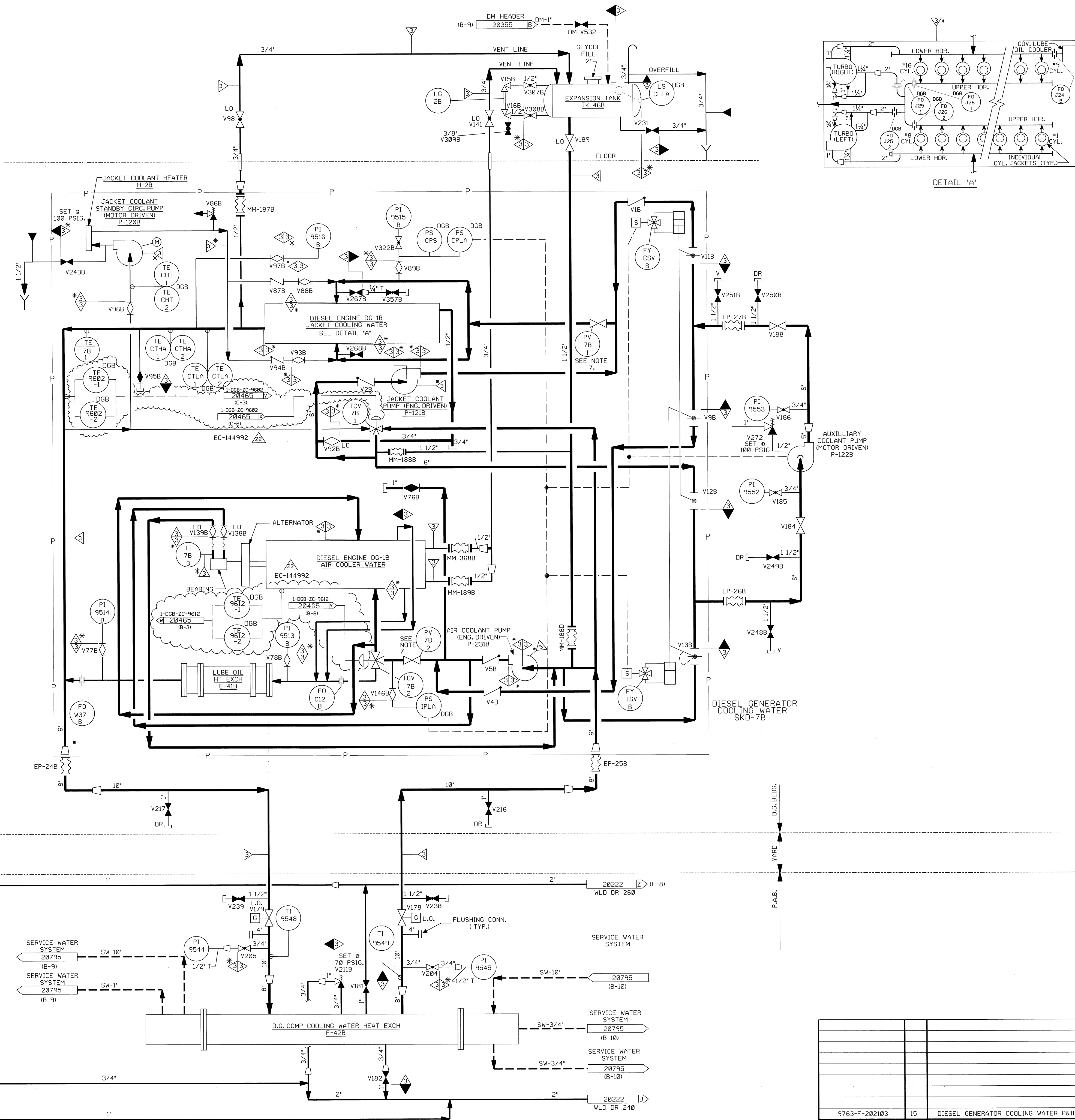
NEXTERA ENERGY
SEABROOK

DIESEL GENERATOR COOLING WATER
SYSTEM TRAIN "A"
DETAIL

PID-	1-DG-B20461
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PID-1-DC-B20466

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, 20461, 20463, 20464, 20465 & 20467.
 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 I-NHY-805111, UNLESS NOTED OTHERWISE.
 5. 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

22	3/20/13	BCS	JM	DM	INCORP EC144992
21	04/20/11	GPS	BCS	SPF	INCORP EC-271210
20	01/21/11	GPS	BCS	AJH	INCORP EC-156655
19	02/05/10	BCS	JM	CJC	INCORP EC145114
18	11/16/06	JM	BCS	RRB	INCORP MMOD 03-504 DCN 00 & MSE 05-009 REV 00
17	5/16/02	JM	MPW	MKC	INCORP MMOD 00-0531 DCN*00
16	9/25/01	BCS	MPW	MKC	INCORP MSE 01-009, REV. 0
15	12/1/00	MPW	BCS	SPF	INCORP DCR 00-0026 DCN 00
14	6/2/98	DRL	BCS	VWS	INCORP MMOD 97-521 DCN 00
13	10/30/95	BCL	MPW	GRM	INCORP DCR 94012 CA*0 & 01, & INCORP NCR 74/25300
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXTERA ENERGY
SEABROOK



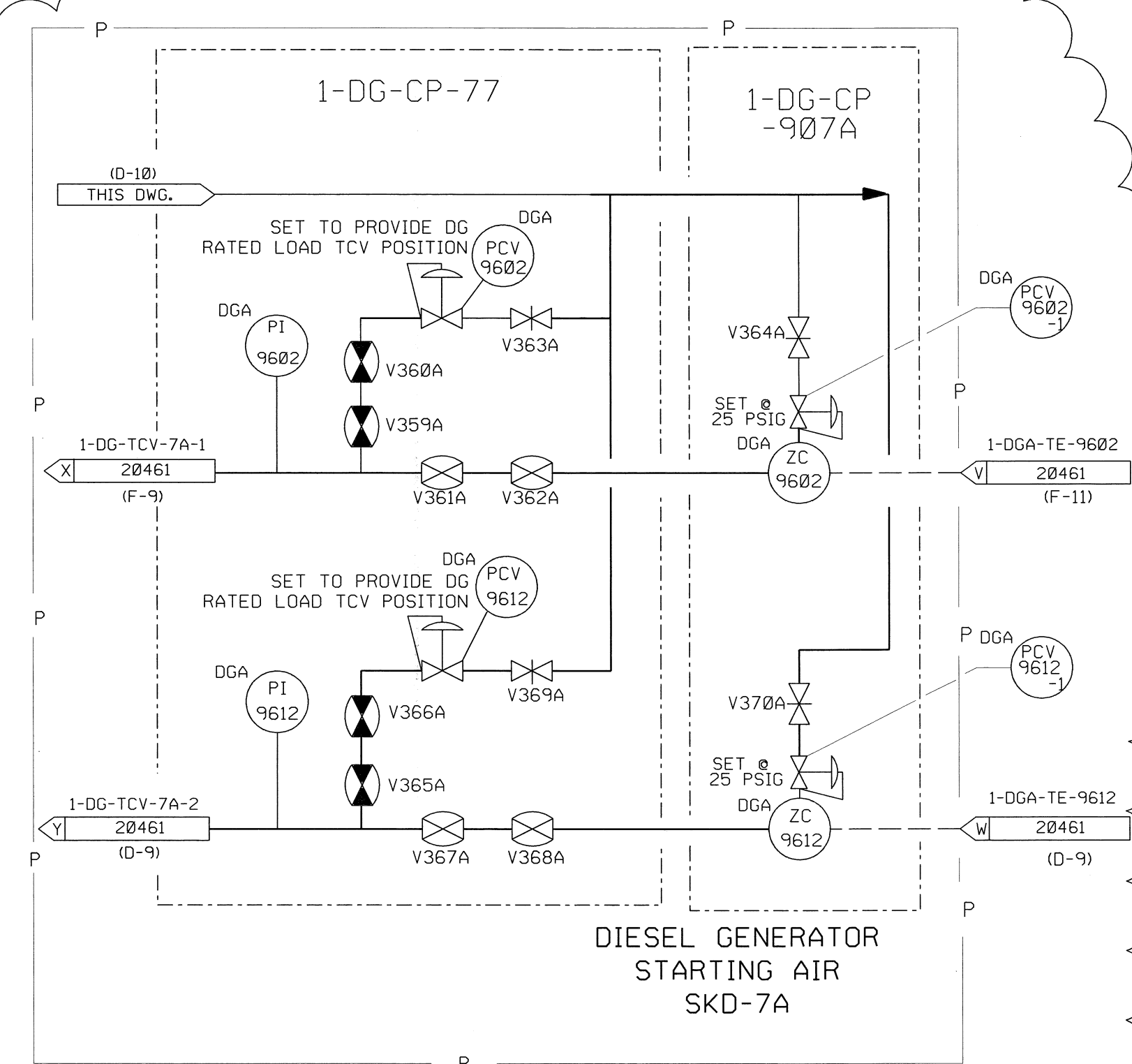
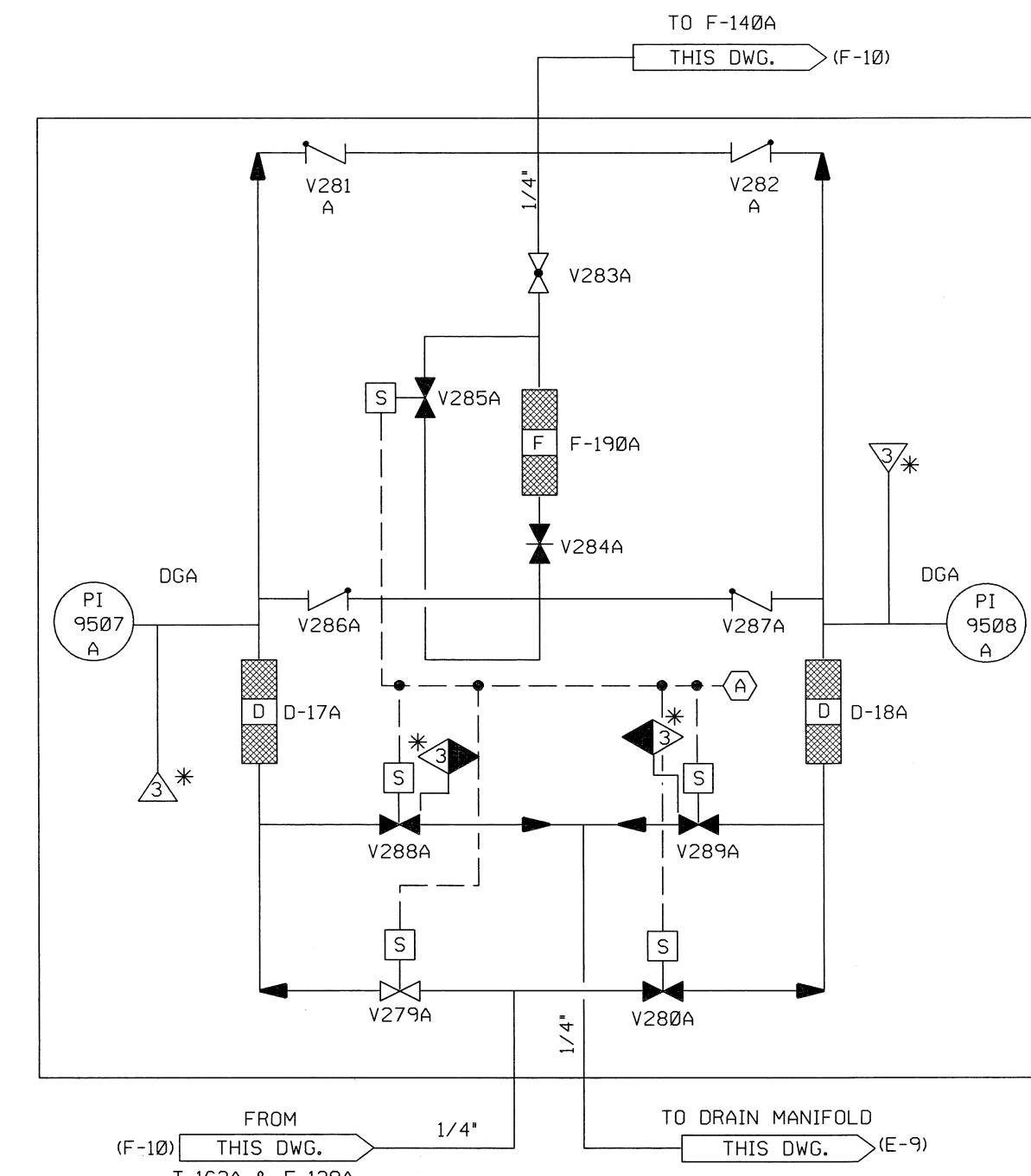
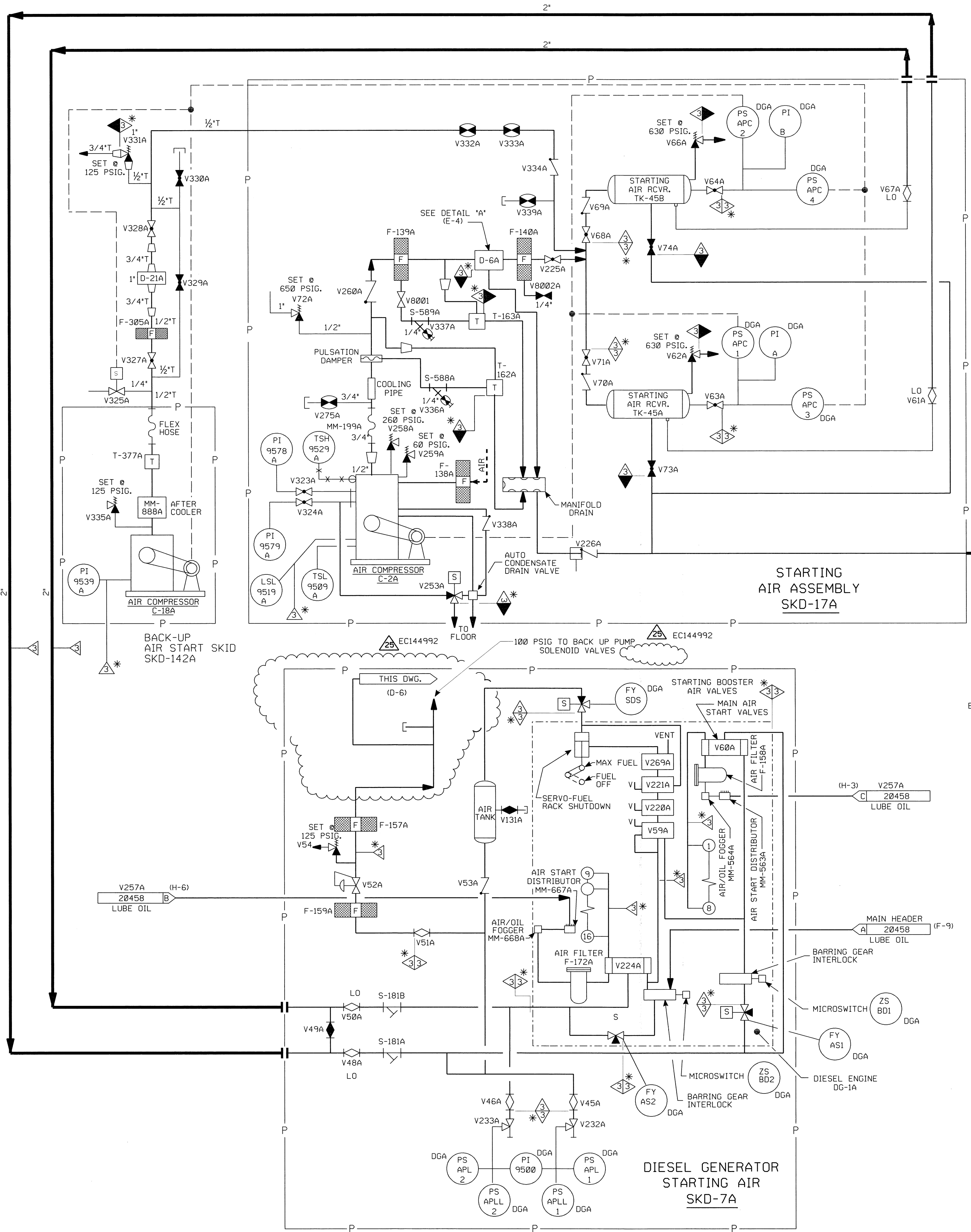
**DIESEL GENERATOR COOLING WATER
SYSTEM TRAIN "B"
DETAIL**

PID- 1-DC-B20466

9763-F-202103	15	DIESEL GENERATOR COOLING WATER P&ID
REF. DRAWING NO.	REV	TITLE

094028-B-001-1-100

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 20456, 20457, 20458, 20459, 20461, & 20462.
 - ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
 - DELETED
 - △ - INDICATES REVISION LEVEL.
 - VENTS, DRAINS AND TEST CONN. CODE AND SAFETY CLASS BREAKS ARE AT THE DOWN STREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-805111, UNLESS NOTED OTHERWISE.
 - INSTRUMENT REFERENCE
△ TO CONTROL PANEL ON SKD-17A, FP-22574.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
25	10/7/12	BCS	JM	DS	INCRP EC144992
24	12-30-09	BCS	JM	DS	INCRP AR* 205407
23	5-21-09	BCS	JM	DEA	INCRP AR* 887 (REF CR 09-1131)
22	3-26-07	BCS	JM	RRB	INCRP MMOD 03-504 DCN-00 & CR 07-02207 REV. 0
21	6/9/03	JM	BCS	MKC	INCRP CR 00-04158 REV 00 & CR 02-01023 REV 00
20	5/7/02	JM	MPW	MKC	INCRP MMOD 01-533 DCN*00
19	6/12/00	BCS	DWS	MKC	INCRP DCR 97-0045 DCN-08
18	10/7/99	BCS	MPW	MKC	INCRP DCR 97-0045 DCN-05, 06
17	7/14/99	BCS	MPW	DJM	INCRP MMOD 96-566 DCN-00, DCR 97-45 DCN-00, 02
16	6/19/97	MPW	DWS	RSG	INCRP DCR 94-44 CA*0, 8, 9 & 14
15	4/2/96	MPW	DWS	GRM	INCRP DCR 94-12 CA*0 & 1
14	5/30/95	DWS	MPW	JHR	INCRP MMOD 940572 CA*0
13	12/9/94	DWS	BCL	MHO	INCRP MMOD 930545 CA*0
12	6/1/94	BCL	WDS	GRM	INCRP DCR 90-29 CA-2
11	5-27-94	BCL	MPW	GRM	INCRP MMOD 94-506 CA0, 03 & MMOD 92-546 CA-1
10	10-22-93	MRB	BCL	GRM	INCRP MMOD'S 92-546 CA0, 92-556 CA0
9	9-17-92	DWS	BCL	IW	INCRP DCR 920041 CA*0
8	4-17-92	MRB	BCL	RRB	INCRP MMOD 91-515 CA0
7	10/5/89	MRB	APL	WFD	INCRP MMOD 89-561 CA 0 REVISED INSTR. TAG PREFIX PER SIS VERIFICATION
6	8/14/89	MRB	APL	MAC	INCRP DCR 89-33 CA 03 ADDED VALVES V258A & V259A VERIFIED INSTALLED AND TAGGED AS SHOWN.
5	1/22/87	JDM	PAL	RRC	ADDED TAG NUMBERS & EQUIPMENT I.D., ADDED DGA DESIGNATION TO INSTR., REVISED LOCATION OF FILTER & FOGGER PER P.P. 20591, ADDED LUBE OIL SUPPLY TO PROVIDE MORE SYSTEM DETAIL, REVISED SAFETY CLASS PER MEMO SBF-86-876-1AEC.
4	10/3/86	MAP	JDM	RRC	DELETED NOTE 5. INCRP DR 02/288A, REVISED PER FP *20083, 20099 & PIPING ERECTION ISO'S ADDED VALVE NO'S V8001 & V8002 INCRP, ECA 99/806179A.
3	6/19/86	JDM	DWS	RRC	INCRP NCR 74/3501A, ECA 19/802834A
2	2/27/86	WAL	JDM	WFD	ISSUED FOR OPERATIONS & INCRP, ECA'S 99/1093910 & 99/112615A
1	11/29/84	DWS	JNM	PEF	CODE BREAKS ADDED
0	06/29/84	MNS	RSL	WFD	ISSUED FOR FIELD VERIFICATION

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



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

PID- 1-DG-B20460

FP 20883	11	EMERG DG AIR ASSY GEN ARRANGEMENT
FP 20699	9	EMERG DG SKID UNIT
FP 20591	15	EMERG DG START AIRCONT SCHEM AND LEGEND
9763-F-202101	13	DIESEL GENERATOR - AIR SYSTEMS P&ID

PID-1-DG-B20458

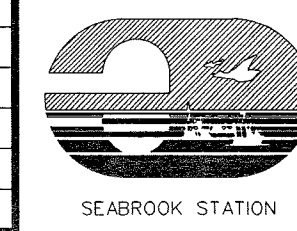
FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS
REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

- NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20456, 20457 & 20459 THRU 20462.
 2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTATION HAVE SYSTEM PREFIX DG, UNLESS NOTED OTHERWISE.
 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-NHY-80511, UNLESS NOTED OTHERWISE.
 5. 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

17	12/31/11	JM	BS	ASA	INCORP EC*156655
16	10/31/06	JM	BCS	RRB	INCORP MMOD 03-504 DCN 00
15	1/18/05	JM	BCS	MR	INCORP DCR 04-010 - DCN 00
14	10/15/03	BCS	MPW	RRB	INCORP MMOD 02-541 DCN-0.2 & MSE 03-160 REV.0
13	6/10/02	JM	BCS	MKC	INCORP CR 00-04158 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	VWS	INCORP MMOD 96-550 DCN 01
9	4/1/96	BCL	MPW	GRM	INCORP. DCR 94-12 CA0, 01
8	5/27/94	MPW	BCL	GRM	INCORP. MMOD 92-546 CA0, DCR 90-29 CA-0
7	5/11/92	MRB	BCL	GRM	INCORP. MMOD 91-622 CA0
6	10/29/90	MRB	JM	BCL	INCORP. MMOD 90-601 CA00 REVISED NOTE 4
5	02/10/87	JDM	PAL	VWS	REVISED PRESSURE SWITCH TIE-IN PER FP-20590, COMPLETE REDRAW TO CLARIFY LAYOUT FOR BETTER FLOW DIA UTILIZATION, ADD LINE SIZES TO SKID PIPING.
4	10/16/86	MAP	WRD	RRR	REVISED PER PIPING ERECTION ISO, ADDED LOCATION COORD'S.
3	6/23/86	WAL	VNK	RRR	UPDATED PER LATEST P&ID & INCORP NCR 93/228C
2	2/27/86	WAL	JDM	WFD	ISSUED FOR OPERATIONS
1	11/29/84	DWS	JNM	PEF	CODE BREAKS ADDED
0	6/29/84	MNS	JNM	WFD	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

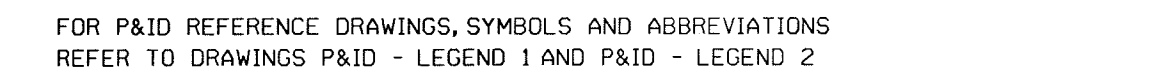
NEXTERA ENERGY
SEABROOK



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




PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

20	01/21/11	GPS	RES	ASD	INCORP. EC-156655
19	10/3/06	JM	BCS	RRB	INCORP. MMOD 03-504 DCN 00 & REINCORP. CR 00-04158 REV 00
18	12/6/04	JM	BCS	MR	INCORP. DCR 04-010 - DCN 00
17	3/24/04	BCS	JM	MKC	INCORP. MSE 03-160 REV. 00, MMOD 02-541 DCN-00 & 02, DCR 00-023 DCN-00
16	12/31/03	JM	BCS	MKC	INCORP. CR 00-04158 REV. 00
15	8/13/02	JM	MPW	BCS	INCORP. CR 00-12796-01
14	1/12/01	BCS	MPW	MKC	PARTIAL INCORP. 02-020 REV29 DCN*00
13	8/25/99	DWS	BCS	CWE	INCORP. MMOD 980554 DCN*00 & 01
12	7/30/97	MPW	BCS	VMS	INCORP. MMOD 96-550 DCN 01
11	11/2/95	BCL	MPW	GRM	INCORP. DCR 94-012 CA02, 01
10	5/18/94	BCL	DWS	GRM	PARTIAL INCORP. DCR 90-029
9	5/09/94	MPW	BCL	GRM	BACKED OUT DCR 90-029
8	5/06/94	MRW	MPW	RRB	INCORP. MMOD 90-546 CA2 & DCR 90-029 CA2
7	5/11/92	MRB	BCL	GRM	INCORP. MMOD 91-622 CA2
6	10/29/90	MRB	JM	BCL	INCORP. MMOD 90-601, CA00 REVISED NOTE 4
5	2/18/87	JDM	PAL	VMS	REVISED PRESSURE SWITCH TIE-IN PER FP 20590, COMPLETE REDRAW TO CLARIFY LAYOUT FOR BETTER FLOW DIAGRAM UTILIZATION, ADDED LINE SIZES TO SKID PIPING.
4	10/16/86	PAL	WRD	RRC	INCORP. ECA 19-1010, ADDED PER UE&C P&ID, ADDED NOTE 5, FOREIGN PRINTS TO REF. BLOCK & DWG COORD TO COORDINATION FLGS
3	6/23/86	WAL	VNM	RRC	UPDATE PER LATEST UE&C P&ID
2	2-27-86	WAL	JDM	WFD	ISSUED FOR OPERATIONS
1	11/29/84	DWS	JNM	PEF	CODE BREAKS ADDED
0	05/29/84	MNS	RSL	WFD	ISSUED FOR FIELD VERIFICATION
REV	DATE	DSGN	CHKD	CE	DESCRIPTION

NEXtera ENERGY
SEABROOK

DIESEL GENERATOR LUBE OIL
SYSTEM TRAIN "B"
DETAIL



SEABROOK STATION

PID- 1-DG-B20463

FP, 20590	13	EMERG. DG LUBE OIL SYS. SCHEMATIC
FP, 20699	9	EMERG. DG SKID UNIT GEN. ARRANGMT.
9763-F-202102	16	D.G. FUEL & LUBE OIL P&I DIAGRAM
REF. DRAWING NO.	REV	TITLE

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-MNY-00011, UNLESS NOTED OTHERWISE.
 5. Δ INDICATES REVISION LEVEL.

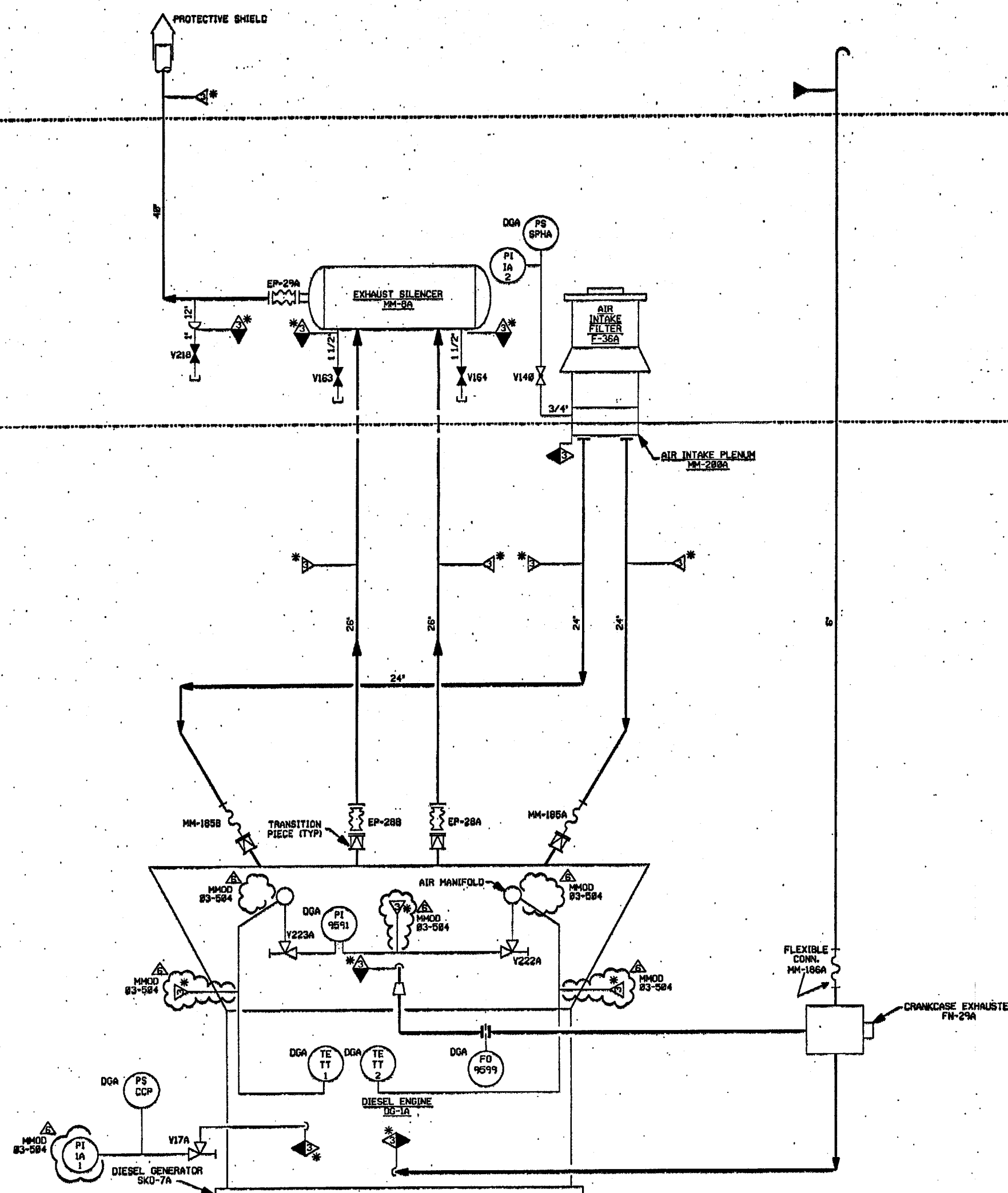
6	11/16/86	JM	W-2	222	INCORP MMOD 83-584 DCM 88
5	10/6/99	BCS	WFM	CVE	INCORP MMOD 980554 DCM 88.01
4	7/30/97	WFM	BCS	YWS	INCORP MMOD 960558 DCM 81
3	4/2/96	BCL	WFM	GRM	INCORP DCR 94-12 C&B & ADDED NOTE 5.
2	10/7/86	PNL	HAP	BRC	ADDED PIPE & CAP PER ERECTION ISO. ADDED DCA PER LEGAL PAID ADDED FOREIGN 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**

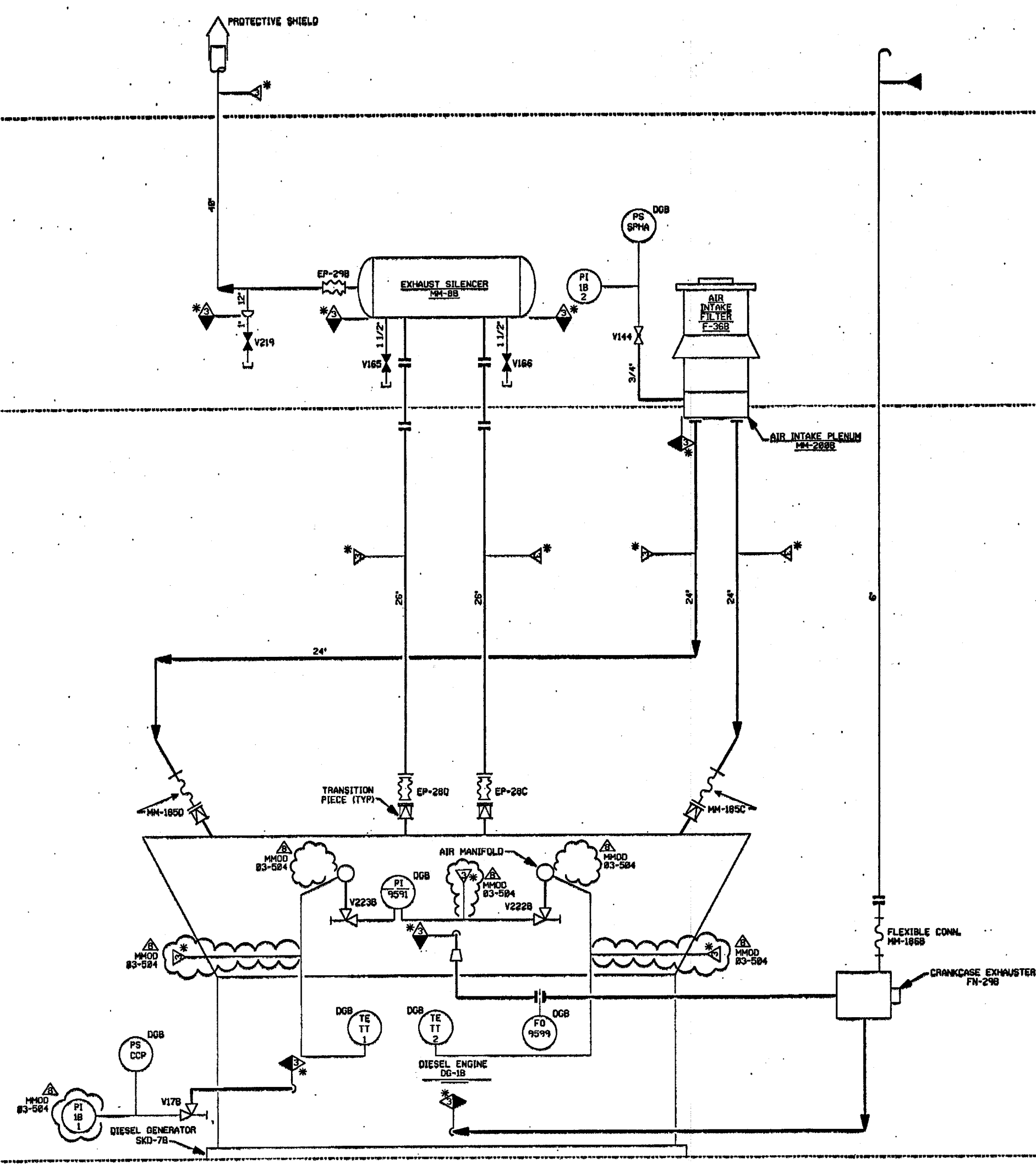
PID- 1-DG-B20462

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. Δ 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-MNY-00011, UNLESS NOTED OTHERWISE.

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
8	11/2/99	JH	BCS	228	INCRP MMOD 83-504 DCM 80
7	9/25/99	DWS	BCS	CVE	INCRP MMOD 98554 DCM 81 & 81
6	7/28/97	MPV	BCS	VYS	INCRP MMOD 95-558 DCM 81
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. NRC REGULATORY NOTE 4 & 5. PIPING TO BE DELETED & DESIGN NOTE 1, 2, 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.
2	5/25/86	WAL	VNK	RRC	UPDATED PER LATEST U.S. NRC, PAID.
1	8/27/86	WAL	JOM	WFO	ISSUED FOR OPERATIONS
0	8/27/84	MNS	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 (20" INLET)
13					D.G. AIR SYS. PAID