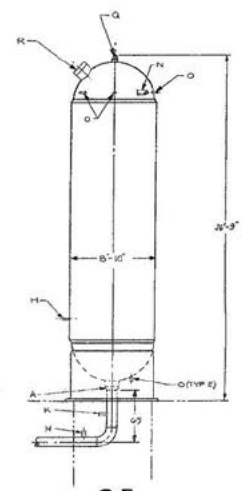


VIEW A-A
(SEE DWG E-9270-210-200)



VIEW B-B
(SEE DWG E-9270-210-200)

2. THIS DRAWING IS TO BE USED FOR INFORMATION AND CLEARANCE ONLY. REFERENCES SHALL BE USED FOR DETAILED DIMENSIONS.
1. SEE DWG. NO. E-9270-210-200 FOR FLAW AND REFERENCE EWGS.

E-9270-210-201

(THIS DWG. ALSO EXISTS AS PART FIGURE S.1.2)

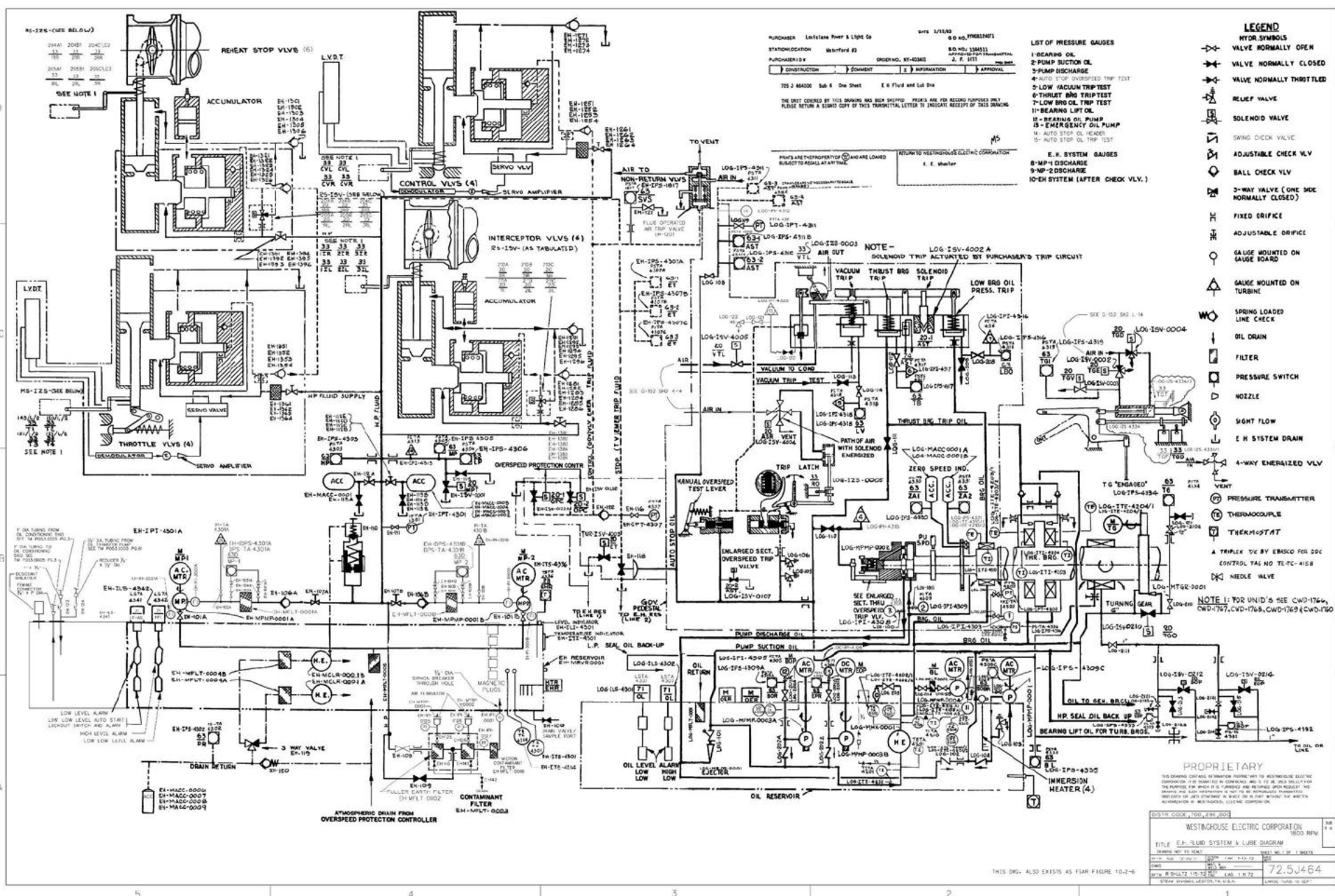
ORIGINAL

received

LOUISIANA POWER & LIGHT CORPORATION		REACTOR COOLANT SYSTEM AIR-RANGEMENT - ELEVATION	
WABAYFORD - UNIT NO. 3		E-9270-210-201	
DATE	BY	DATE	BY

DESIGNED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	

LOUISIANA POWER & LIGHT CORPORATION	
REACTOR COOLANT SYSTEM AIR-RANGEMENT - ELEVATION	
E-9270-210-201	
DATE	BY



PURCHASER Louisiana Power & Light Co
 STATION/LOCATION Metairie #2
 PURCHASER'S #
 ORDER NO. NY-43461
 DRAWING NO. 72.5J464
 SHEET NO. 1 OF 1 SHEETS

- LEGEND**
- HYDR SYMBOLS
 - VALVE NORMALLY OPEN
 - VALVE NORMALLY CLOSED
 - VALVE NORMALLY THROTTLED
 - RELIEF VALVE
 - SOLENOID VALVE
 - SWING CHECK VALVE
 - ADJUSTABLE CHECK VLV
 - BALL CHECK VLV
 - 3-WAY VALVE (ONE SIDE NORMALLY CLOSED)
 - FIXED ORIFICE
 - ADJUSTABLE ORIFICE
 - GAUGE MOUNTED ON GAUGE BOARD
 - GAUGE MOUNTED ON TURBINE
 - SPRING LOADED LINE CHECK
 - OIL DRAIN
 - FILTER
 - PRESSURE SWITCH
 - NOZZLE
 - SIGHT FLOW
 - E H SYSTEM DRAIN
 - 4-WAY ENERGIZED VLV
 - PRESSURE TRANSMITTER
 - THERMOCOUPLE
 - THERMISTAT
 - A TRIPLEX VIC BY EMSCO FOR DDC CONTROL TAI NO TE-TC-1166
 - NEEDLE VALVE

LIST OF PRESSURE GAUGES

- 1-BEARING OIL
- 2-PUMP SUCTION OIL
- 3-PUMP DISCHARGE
- 4-AUTO STOP OVERSPEED TRIP TEST
- 5-LOW VACUUM TRIP TEST
- 6-THRUST BRG TRIP TEST
- 7-LOW BRG OIL TRIP TEST
- 8-BEARING OIL PUMP
- 9-EMERGENCY OIL PUMP
- 10-AUTO STOP OL HEAD
- 11-AUTO STOP OL TRIP TEST

E. H. SYSTEM GAUGES

- 8-MP-2 DISCHARGE
- 9-MP-2 DISCHARGE
- 10-EH SYSTEM (AFTER CHECK VLV.)

NOTE -
 SOLENOID TRIP ACTUATED BY PURCHASER'S TRIP CIRCUIT

NOTE 1: FOR UNID'S SEE CWO-1764, CWO-1767, CWO-1768, CWO-1769 & CWO-1770

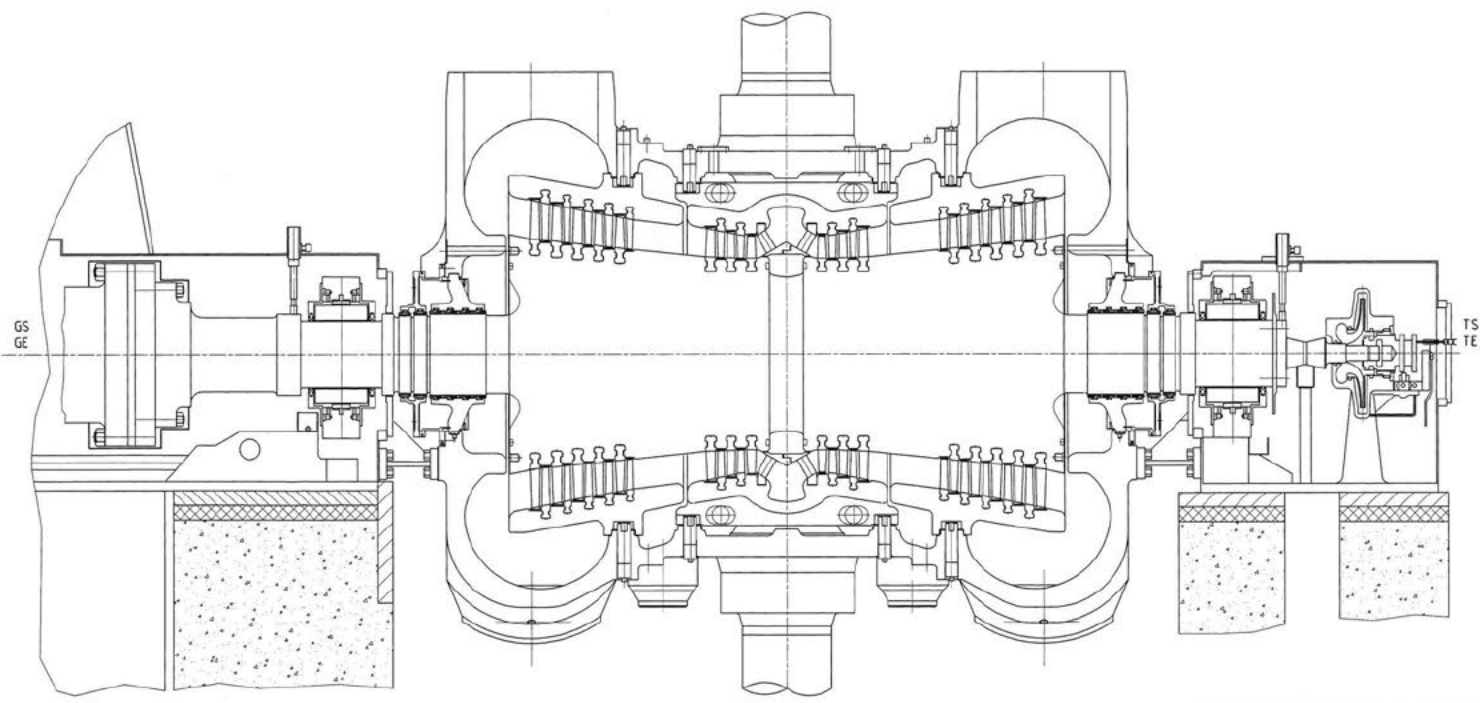
NO.	REV.	DATE	BY	CHK	APP.
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

PROPRIETARY

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO WESTINGHOUSE ELECTRIC CORPORATION. IT IS TO BE KEPT AS CONFIDENTIAL AND IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT IS ISSUED AND NOT BE REPRODUCED, COPIED, OR DISSEMINATED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF WESTINGHOUSE ELECTRIC CORPORATION.

WESTINGHOUSE ELECTRIC CORPORATION
 600 RFPV
 TITLE: E. H. FLUID SYSTEM & LUBE DIAGRAM
 DRAWING NO. 72.5J464
 SHEET NO. 1 OF 1 SHEETS
 DATE: 11/24/52
 DESIGNED BY: J. F. HILL
 CHECKED BY: J. F. HILL
 APPROVED BY: J. F. HILL
 72.5J464
 SCALE: 1/8" = 1"

SIEMENS WESTINGHOUSE	
Dampfturbine STEAM TURBINE	
WATERFORD UNIT 3	
Dampfdruck STEAM PRESSURE	51.23 bar (757.5 psia) - YEAR 2005 UPGRADE
Dampfdruck STEAM PRESSURE	51.23 bar (757.5 psia) - YEAR 2005 UPGRADE
Drehzahl SPEED	1800 rpm
Dampfdruck STEAM TEMPERATURE	266.6 °C (511.9°F) - YEAR 2005 UPGRADE
HD Abdampfdruck HP EXHAUST PRESSURE	13.31 bar (193.1 psia) - YEAR 2005 UPGRADE
Leistung RATED CAPACITY	1339 MW - YEAR 2005 UPGRADE
Siemens AG Power Generation	



THIS DRAWING SUPPLEMENTS THE ORIGINAL DRAWING 74.0.818

SIEMENS
Westinghouse

Approved for construction: [Signature]
Date: 2005.11.22

SIEMENS AG
Power Generation
81728-902000
Germany

NO.	DATE	REVISION DESCRIPTION	BY	CHK	APPROVED

NO.	DATE	REVISION DESCRIPTION	BY	CHK	APPROVED

NO.	DATE	REVISION DESCRIPTION	BY	CHK	APPROVED

WATERFORD 3 S.E.S.

NO. 3564-928 SH. 3

TYPE: WOODRUFF LONGITUDINAL SECTION
THRU TURBINE UPGRADE

PROJECT: WATERFORD 3 UPGRADE

DESIGN: [Signature]

DATE: 2005.11.22

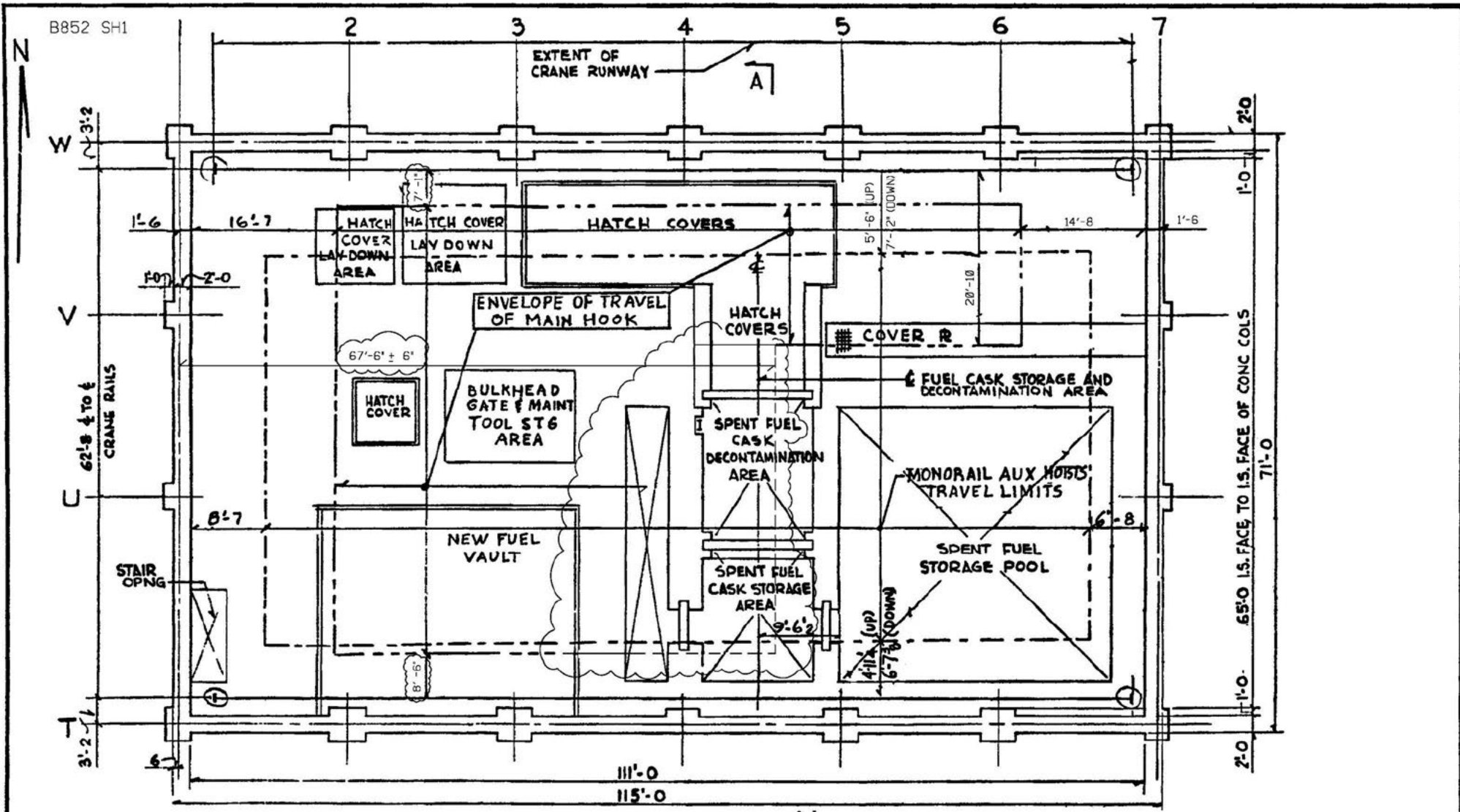
SCALE: 1:1

LONGITUDINAL SECTION

SIEMENS AG
81728-902000
Germany

FILENAME: DEAG

B852 SH1



A] THIS DWG ALSO EXISTS AS FSAR FIG. #9.1-18

--- INDICATES MAIN HOOK TRAVEL LIMITS
 - - - INDICATES AUX HOIST TRAVEL LIMITS

REV.	DATE	BY	APPROVAL
9	4-1-15	JAG	DD
8	4-15-81	JAG	RJC
7	2-25-93	LLB	RJC

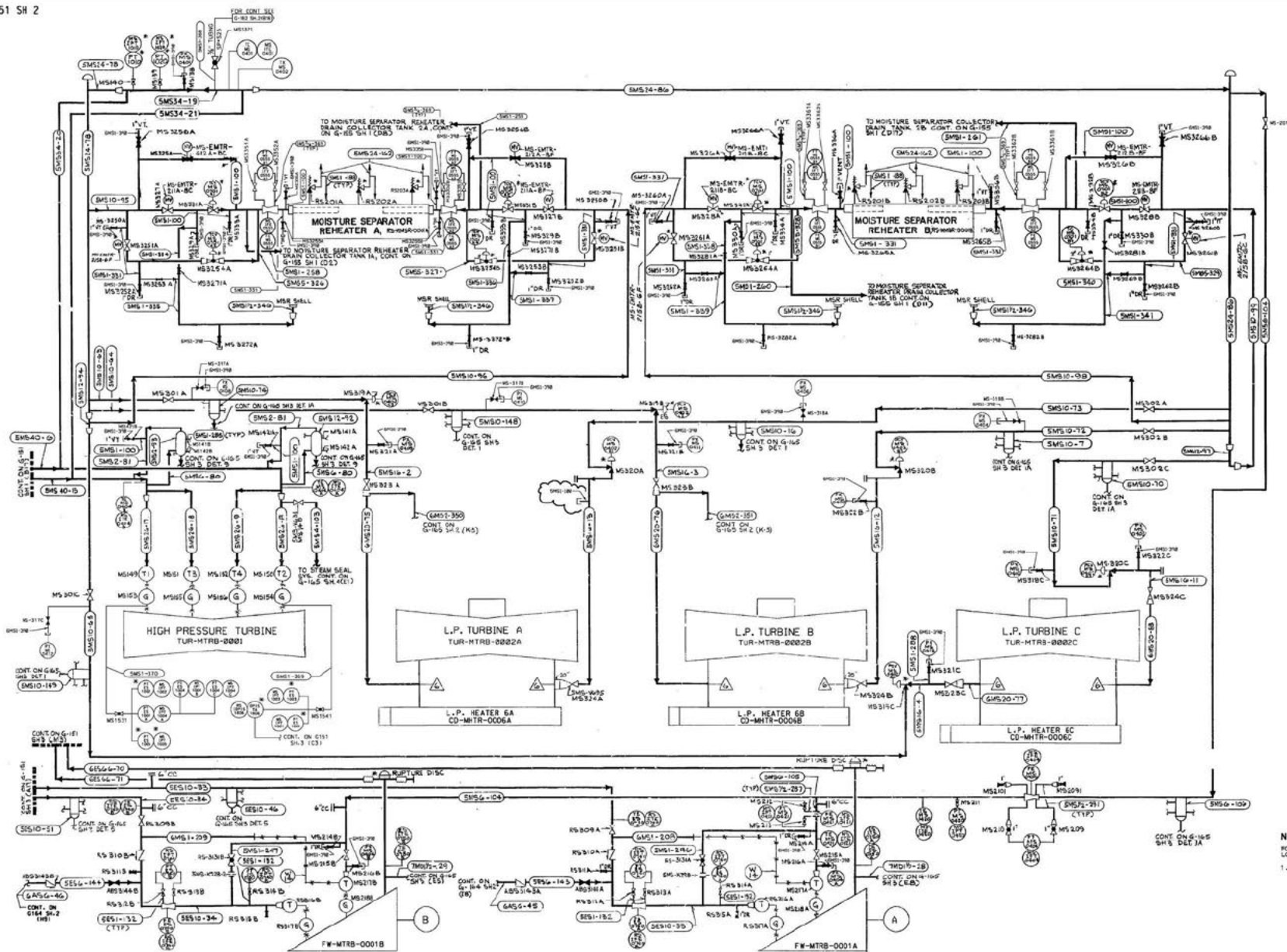
EBASCO SERVICES INCORPORATED
 NEW YORK

DEV. **A-S** DR. **PC**
 SCALE: 1/8" = 1'-0" ON H.M.
 DATE: APR 6, 1973

APPROVED
[Signature]
 JUN 18 1973

LOUISIANA POWER AND LIGHT CO.
 WATERFORD S.E.S. UNIT NO. 3
 1977-1165 MW INSTALLATION
 FUEL HANDLING BUILDING
 CRANE CLEARANCE DIAGRAM

B852
 SHEET 1



NOTES:
 FOR REFERENCE DRAWINGS AND NOTES SEE LOU-1504-G-15 SH 1
 1. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

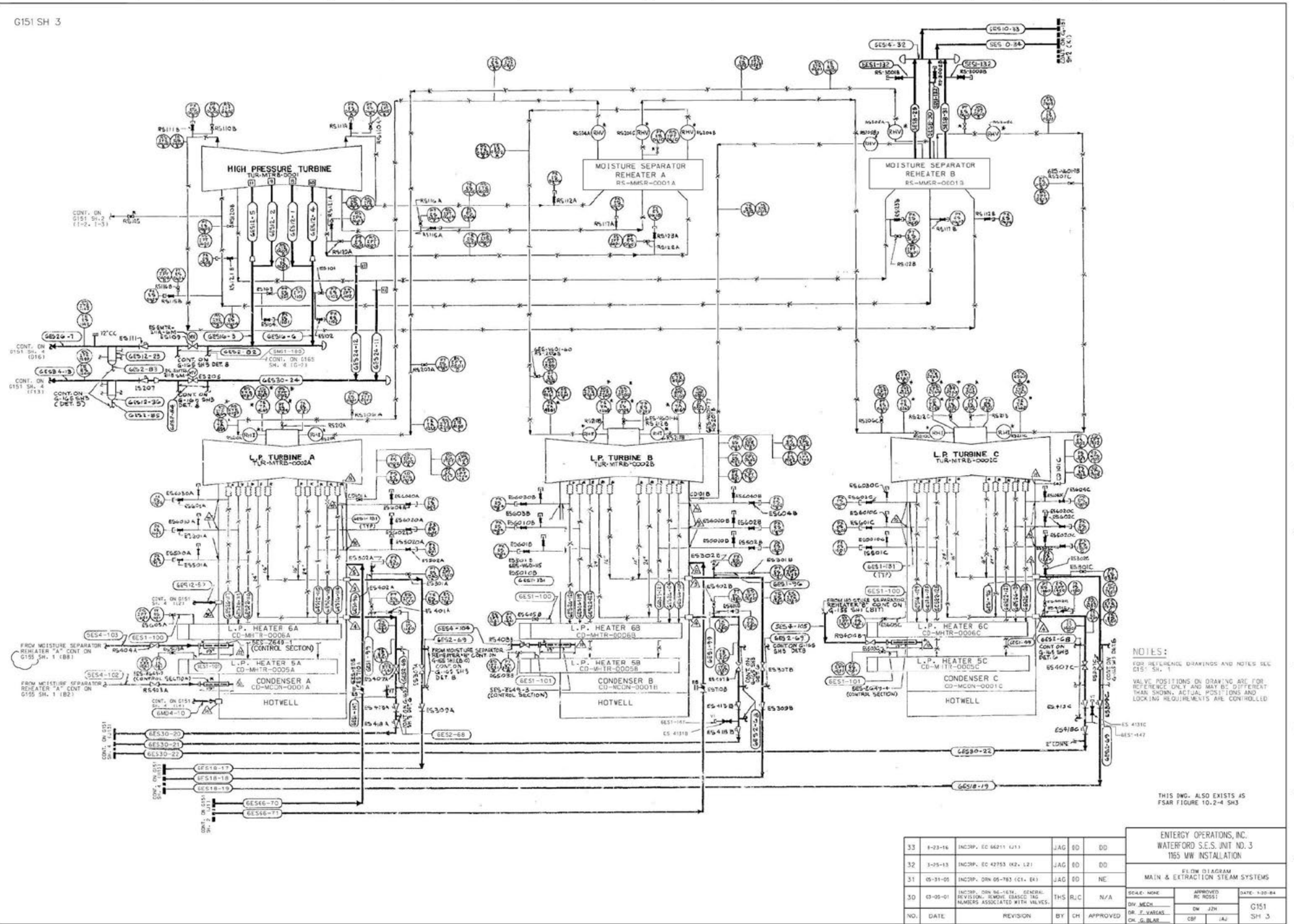
THIS DWG. ALSO EXISTS AS FSAR FIGURE 10.2-4 SH2

STEAM GENERATOR FEEDWATER PUMP TURBINES

NO.	DATE	REVISION	BY	CHK	APPROVED
39	8-25-15	INCORP. (FBI) IC 58935	JAG	JD	JD
38	12-1-06	INCORP. (E3) 30N 06-1010	JD	JL	N/A
37	1-15-05	INCORP. (E3) 30N 05-1039	JAG	THS	N/A
36	2-1-05	INCORP. SHN 04-1383 (E3) 322	JD	THS	N/A
35	10-7-03	INCORP. (E1) 30N 03-1506	JD	THS	N/A

SEALC. NAME		APPROVED RC ROSSI		DATE: 1-30-84	
DR. E. VARGAS	DR. J. ZH	G151		SH 2	
CH. G. BLUM	CDP	JAG			

ENTERTY OPERATIONS, INC.
 WATERFORD S.E.S. UNIT NO. 3
 1965 MW INSTALLATION
 FLOW DIAGRAM MAIN & EXTRACTION STEAM SYSTEMS

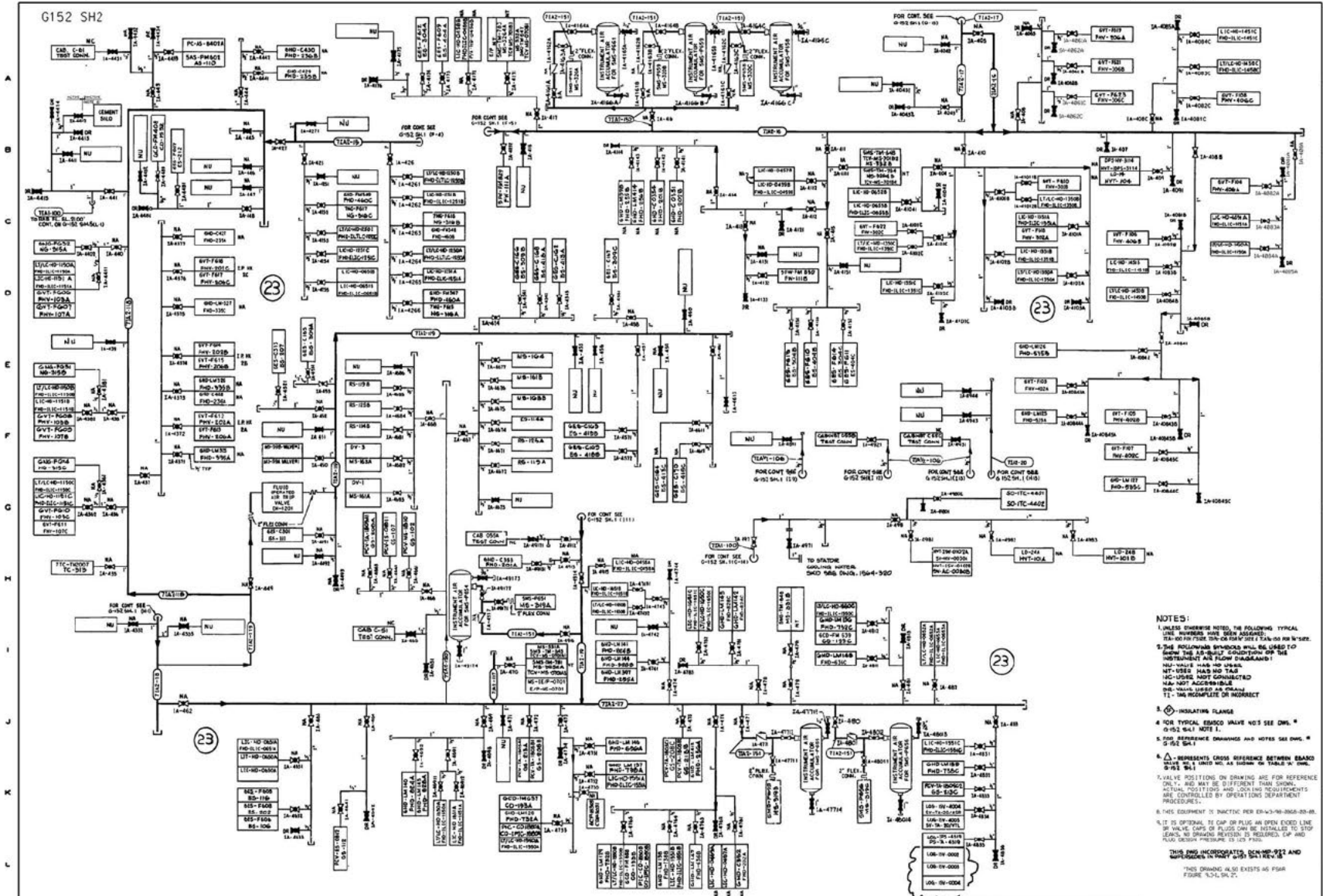


NOTES:
 FOR REFERENCE DRAWINGS AND NOTES SEE G151 SH 1
 VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED

THIS DWG. ALSO EXISTS AS FSAR FIGURE 10.2-4 SH3

33	8-23-16	INCRP. EC 86211 G13	JAG	ED	DO	ENTERGY OPERATIONS, INC. WATERFORD S.E.S. UNIT NO. 3 THIS MW INSTALLATION
32	3-25-13	INCRP. EC 42153 (N2, L2)	JAG	ED	DO	
31	05-31-05	INCRP. DRN 05-783 (C1, E4)	JAG	ED	NE	
30	03-05-01	INCRP. DRN 04-1674. GENERAL REVISION. REMOVE DISASSEMBLY NUMBERS ASSOCIATED WITH VALVES.	THS	R/C	N/A	FLOW DIAGRAM MAIN & EXTRACTION STEAM SYSTEMS
NO. DATE		REVISION	BY	CHK	APPROVED	SCALE: NONE DR. J. KARAS CH. G. BLAKE
						APPROVED RC ROSSI DATE: 1-30-84 G151 SH 3

G152 SH2

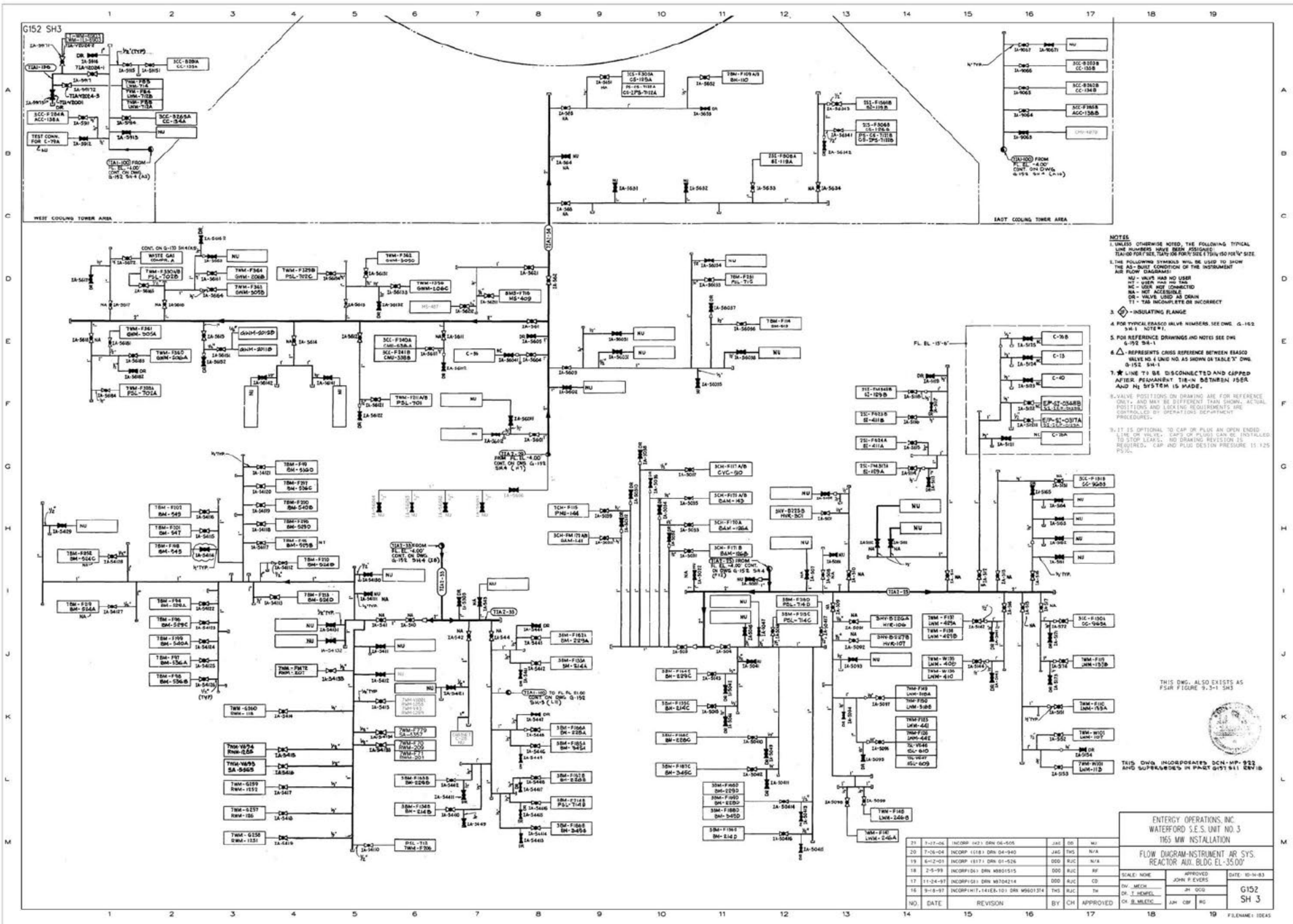


NO.	REVISION DESCRIPTION	BY	APPROVED	DATE
1	ISSUE	...	...	...
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

WATERFORD S.E.S. UNIT NO. 3
195 MW INSTALLATION

FLOW DIAGRAM-INSTRUMENTATION SYSTEM
FURNACE BUILDING CL. 40.00'

SCALE: NONE
SHEET: 2 OF 2
DATE: 10/17/87
DRAWN BY: ...
CHECKED BY: ...
APPROVED BY: ...



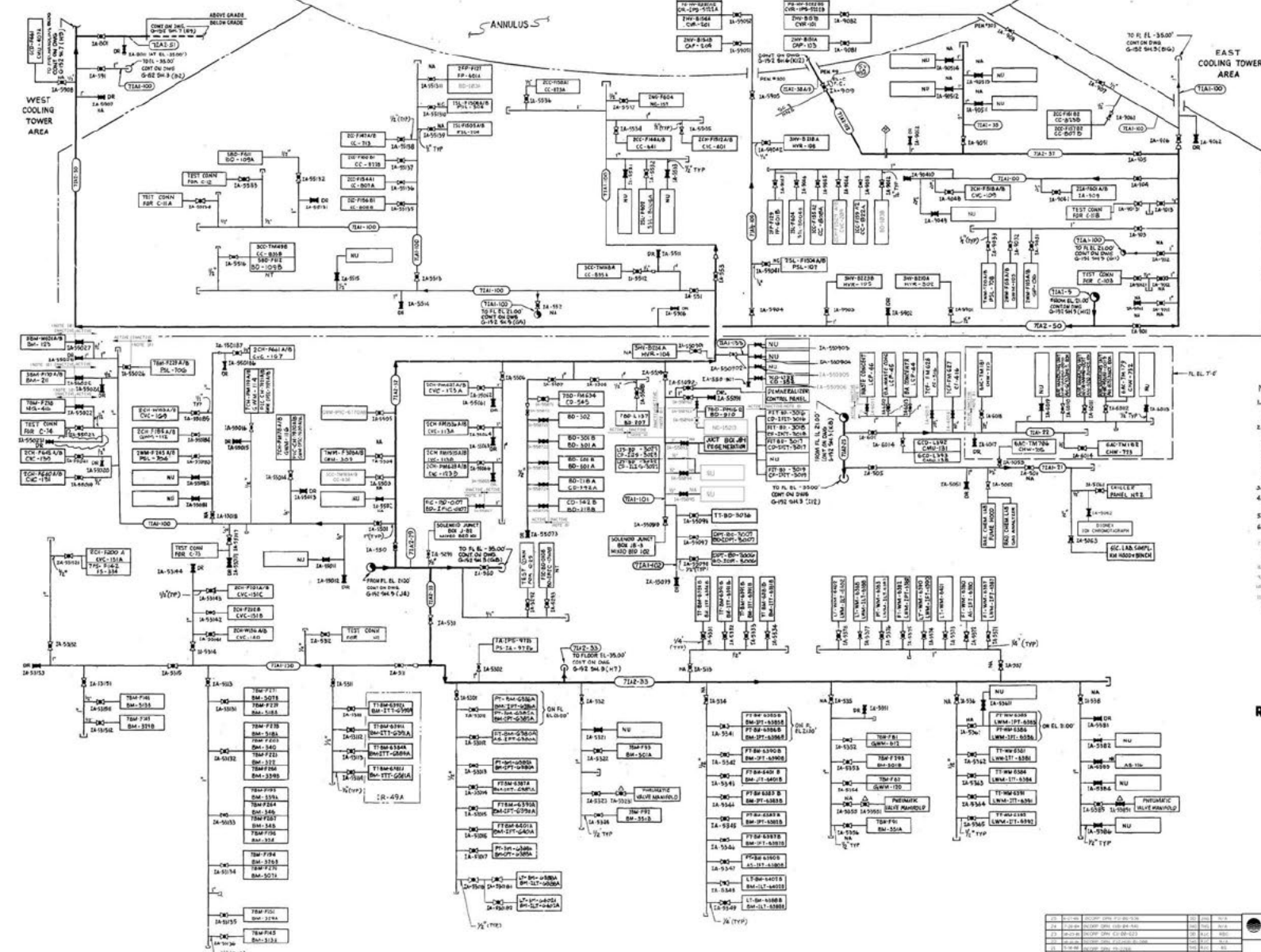
- NOTES**
- UNLESS OTHERWISE NOTED, THE FOLLOWING TYPICAL LINE NUMBERS HAVE BEEN ASSIGNED:
 1/4" NO PORT SIZE, 1/2" NO PORT SIZE (1750 FOR 1/4" SIZE)
 1/2" NO PORT SIZE, 1/2" NO PORT SIZE (1750 FOR 1/2" SIZE)
 - THE FOLLOWING SYMBOLS WILL BE USED TO SHOW THE AS-BUILT CONDITION OF THE INSTRUMENT AIR FLOW DIAGRAM:
 NU - VALVE HAS NO USER
 V - USER HAS NO USER
 NC - USER NOT CONNECTED
 NA - NOT ACCESSIBLE
 DV - VALVE USED AS DRAIN
 TI - TAG INCOMPLETE OR INCORRECT
 - INSULATING FLANGE
 - FOR TYPICAL BRASS VALVE NUMBERS, SEE DWG. G-102 3A-1 NOTE 7.
 - FOR REFERENCE DRAWINGS AND NOTES SEE DWG. G-92 3A-1.
 - Δ REPRESENTS CROSS REFERENCE BETWEEN BRASS VALVE NO. & LINE NO. AS SHOWN IN TABLE 'Y' DWG. G-152 3A-1.
 - LINE TO BE DISCONNECTED AND CAPPED AFTER REPAIRMENT. TIE-IN BETWEEN P&ID AND N/S SYSTEM IS MADE.
 - VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 - IT IS OPTIONAL TO CAP OR PLUG AN OPEN ENDED LINE OR VALVE. CAPS OF PLUGS CAN BE INSTALLED TO STOP LEAKS. NO DRAWING REVISION IS REQUIRED. CAP AND PLUG DESIGN PRESSURE IS 150 PSIG.

THIS DWG. ALSO EXISTS AS PS&R FIGURE 9-31 3A3



ENTERGY OPERATIONS, INC. WATERFORD S.E.S. UNIT NO. 3 185 MW INSTALLATION	
FLOW DIAGRAM-INSTRUMENT AIR SYS. REACTOR AID. BLDG EL-3500'	
SCALE: NONE	APPROVED: DATE: 10-14-03
DR. J. HUBBELL	APPROVED: J. HUBBELL
DR. J. HUBBELL	APPROVED: J. HUBBELL
NO. DATE	REVISION
17	9-8-03 INCORP. 174148-101 DR. M5601374
18	9-8-03 INCORP. 174148-101 DR. M5601374
19	9-8-03 INCORP. 174148-101 DR. M5601374
20	7-26-04 INCORP. 1871 DR. G1-940
21	7-27-04 INCORP. 1871 DR. G1-940
22	7-27-04 INCORP. 1871 DR. G1-940
23	7-27-04 INCORP. 1871 DR. G1-940
24	7-27-04 INCORP. 1871 DR. G1-940
25	7-27-04 INCORP. 1871 DR. G1-940
26	7-27-04 INCORP. 1871 DR. G1-940
27	7-27-04 INCORP. 1871 DR. G1-940
28	7-27-04 INCORP. 1871 DR. G1-940
29	7-27-04 INCORP. 1871 DR. G1-940
30	7-27-04 INCORP. 1871 DR. G1-940
31	7-27-04 INCORP. 1871 DR. G1-940
32	7-27-04 INCORP. 1871 DR. G1-940
33	7-27-04 INCORP. 1871 DR. G1-940
34	7-27-04 INCORP. 1871 DR. G1-940
35	7-27-04 INCORP. 1871 DR. G1-940
36	7-27-04 INCORP. 1871 DR. G1-940
37	7-27-04 INCORP. 1871 DR. G1-940
38	7-27-04 INCORP. 1871 DR. G1-940
39	7-27-04 INCORP. 1871 DR. G1-940
40	7-27-04 INCORP. 1871 DR. G1-940
41	7-27-04 INCORP. 1871 DR. G1-940
42	7-27-04 INCORP. 1871 DR. G1-940
43	7-27-04 INCORP. 1871 DR. G1-940
44	7-27-04 INCORP. 1871 DR. G1-940
45	7-27-04 INCORP. 1871 DR. G1-940
46	7-27-04 INCORP. 1871 DR. G1-940
47	7-27-04 INCORP. 1871 DR. G1-940
48	7-27-04 INCORP. 1871 DR. G1-940
49	7-27-04 INCORP. 1871 DR. G1-940
50	7-27-04 INCORP. 1871 DR. G1-940
51	7-27-04 INCORP. 1871 DR. G1-940
52	7-27-04 INCORP. 1871 DR. G1-940
53	7-27-04 INCORP. 1871 DR. G1-940
54	7-27-04 INCORP. 1871 DR. G1-940
55	7-27-04 INCORP. 1871 DR. G1-940
56	7-27-04 INCORP. 1871 DR. G1-940
57	7-27-04 INCORP. 1871 DR. G1-940
58	7-27-04 INCORP. 1871 DR. G1-940
59	7-27-04 INCORP. 1871 DR. G1-940
60	7-27-04 INCORP. 1871 DR. G1-940
61	7-27-04 INCORP. 1871 DR. G1-940
62	7-27-04 INCORP. 1871 DR. G1-940
63	7-27-04 INCORP. 1871 DR. G1-940
64	7-27-04 INCORP. 1871 DR. G1-940
65	7-27-04 INCORP. 1871 DR. G1-940
66	7-27-04 INCORP. 1871 DR. G1-940
67	7-27-04 INCORP. 1871 DR. G1-940
68	7-27-04 INCORP. 1871 DR. G1-940
69	7-27-04 INCORP. 1871 DR. G1-940
70	7-27-04 INCORP. 1871 DR. G1-940
71	7-27-04 INCORP. 1871 DR. G1-940
72	7-27-04 INCORP. 1871 DR. G1-940
73	7-27-04 INCORP. 1871 DR. G1-940
74	7-27-04 INCORP. 1871 DR. G1-940
75	7-27-04 INCORP. 1871 DR. G1-940
76	7-27-04 INCORP. 1871 DR. G1-940
77	7-27-04 INCORP. 1871 DR. G1-940
78	7-27-04 INCORP. 1871 DR. G1-940
79	7-27-04 INCORP. 1871 DR. G1-940
80	7-27-04 INCORP. 1871 DR. G1-940
81	7-27-04 INCORP. 1871 DR. G1-940
82	7-27-04 INCORP. 1871 DR. G1-940
83	7-27-04 INCORP. 1871 DR. G1-940
84	7-27-04 INCORP. 1871 DR. G1-940
85	7-27-04 INCORP. 1871 DR. G1-940
86	7-27-04 INCORP. 1871 DR. G1-940
87	7-27-04 INCORP. 1871 DR. G1-940
88	7-27-04 INCORP. 1871 DR. G1-940
89	7-27-04 INCORP. 1871 DR. G1-940
90	7-27-04 INCORP. 1871 DR. G1-940
91	7-27-04 INCORP. 1871 DR. G1-940
92	7-27-04 INCORP. 1871 DR. G1-940
93	7-27-04 INCORP. 1871 DR. G1-940
94	7-27-04 INCORP. 1871 DR. G1-940
95	7-27-04 INCORP. 1871 DR. G1-940
96	7-27-04 INCORP. 1871 DR. G1-940
97	7-27-04 INCORP. 1871 DR. G1-940
98	7-27-04 INCORP. 1871 DR. G1-940
99	7-27-04 INCORP. 1871 DR. G1-940
100	7-27-04 INCORP. 1871 DR. G1-940

G152 SH 4



- NOTES:
- UNLESS OTHERWISE NOTED, THE FOLLOWING TYPICAL LINE SIZES ARE ASSUMED: 1" FOR MAIN LINES, 1/2" FOR BRANCHES, 3/4" FOR TEST CONNECTIONS, 1/4" FOR INSTRUMENTATION, AND 1/2" FOR AIR LINES.
 - THE FOLLOWING SYMBOLS WILL BE USED TO SHOW THE AS-BUILT CONDITION OF THE INSTRUMENTATION AS OF THE DATE SHOWN:
 - NU - VALVE HAS NO OPERATOR
 - NY - VALVE HAS NO TAG
 - NC - VALVE NOT CONNECTED
 - DR - VALVE USED AS DRAIN
 - TA - TAG INCOMPLETE OR DEFECTIVE
 - - INDICATIVE FLANGE
 - - TYPICAL FLANGE VALVE NUMBERS, SEE NOTE DWG G-152 SH-1
 - - FOR REFERENCE DWG 4 NOTE SEE DWG G-152 SH-1
 - - REPRESENTS CROSS CONNECTION BETWEEN BRANCH WITH A RISK OF AS SHOWN ON TABLE OF THIS DWG. SH-1
 - - HAVE POSITION, OR ORIENTED, AS FOR REFERENCE ONLY. THIS IS NOT A REQUIREMENT FOR OPERATIONS. OPERATIONS PROCEDURES ARE CONTROLLED BY OPERATIONS PROCEDURES.
 - THIS EQUIPMENT IS INACTIVE FOR DWG G-152 SH-2-00.
 - THIS EQUIPMENT IS INACTIVE FOR DWG G-152 SH-3-00.
 - THIS EQUIPMENT IS INACTIVE FOR DWG G-152 SH-4-00.
 - IT IS OPTIONAL TO SHUT OR PUMP AN OPERATED LINE OR VALVE. THIS IS NOT A REQUIREMENT FOR OPERATIONS. OPERATIONS PROCEDURES IS REQUIRED. OIL AND FLUID DESIGN PRESSURE IS 15.0 PSIG.

**NUCLEAR SAFETY
RELATED IN PART ONLY**

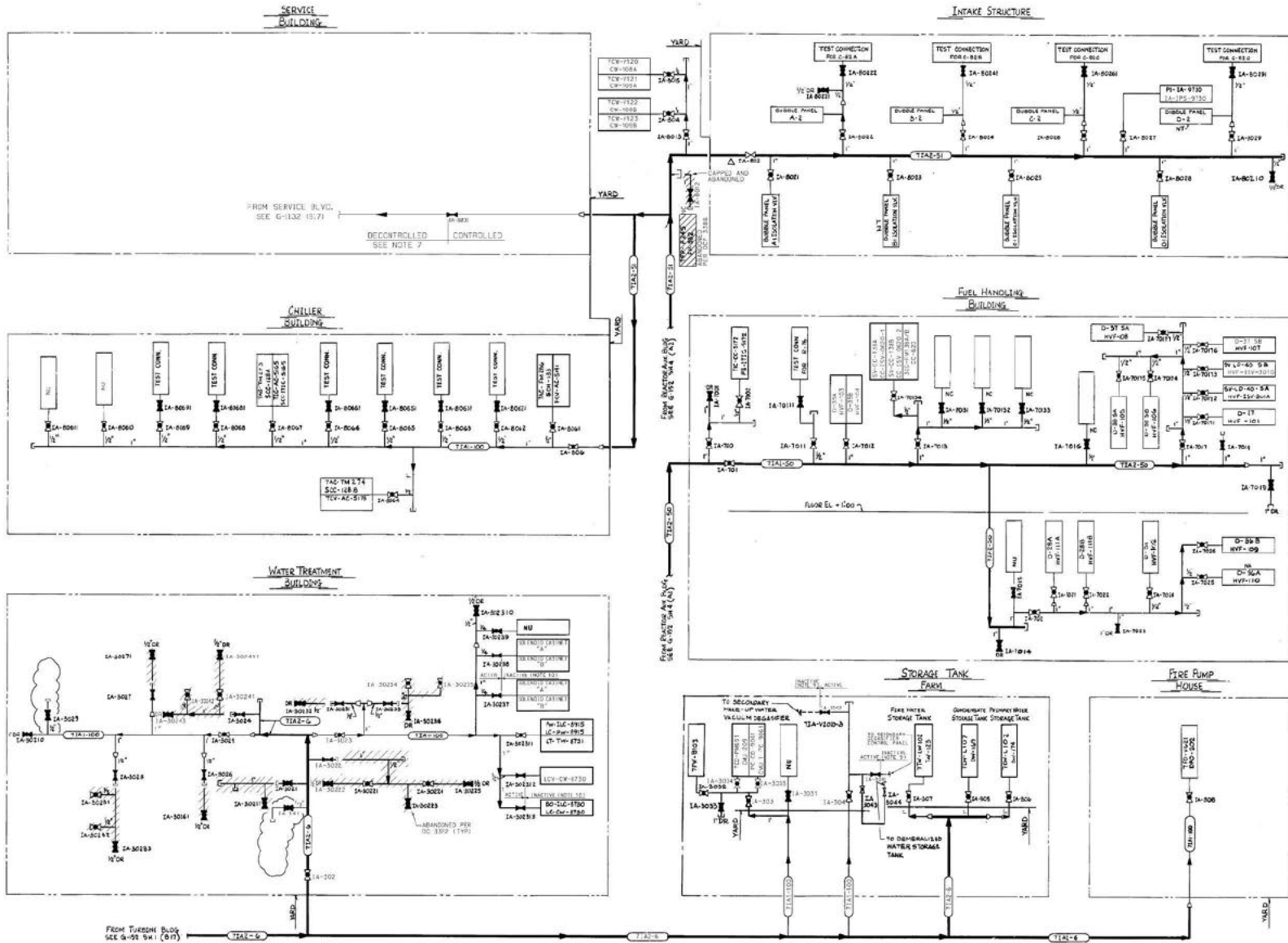
THIS DWG. ALSO EXISTS AS
FSAR FIGURE 9.1-1 SH 4



THIS DRAWING IS UNCONTROLLED UNLESS SHOWN WITH A REVISION NUMBER AND DATE IN THE REVISIONS SECTION.

		WATERFORD S.E. UNIT NO. 3 185 MW INSTALLATION	
FLOW DIAGRAM-INSTRUMENT AIR SYSTEM REACTOR AUX. BLOC. EL. 400' A. 100'			
SCALE: NONE	APPROVED: JRM/RSK	DATE: 08/14/87	
DEPT.: MECH	DRN. FILE NO.:	G152 SH 4	
ENGR. NO.:	REV. NO.:		
REV. DATE:	REVISION DESCRIPTION:	BY:	CHK. APPROVED:

FORM NO. 1000



- NOTES:
- UNLESS OTHERWISE NOTED, THE FOLLOWING TYPICAL LINE NUMBERS HAVE BEEN ASSIGNED: 1/2" FOR 1" SIZE, 3/4" FOR 1 1/2" SIZE, 1" FOR 2" SIZE, 1 1/2" FOR 3" SIZE, 2" FOR 4" SIZE, 3" FOR 6" SIZE, 4" FOR 8" SIZE.
 - THE FOLLOWING SYMBOLS WILL BE USED TO SHOW THE AS-BUILT CONDITION OF THE INSTRUMENT AND FLOW DIRECTION:
 - NU - VALVE HAS NO USER
 - NY - USER HAS NO TAG
 - NC - USER NOT CONNECTED
 - NA - NOT ACCESSIBLE
 - OR - VALVE LOCKED AS SHOWN
 - TL - TAG TO COMPLETE IS IN ERROR
 - INSULATING FLANGE
 - FOR TYPICAL ISOLATED VALVE NO'S SEE DWG. G-151, SH-1
 - FOR REFERENCE DRAWINGS AND NOTES SEE DWG. G-151, SH-1
 - REPRESENTS CROSS REFERENCE BETWEEN ISOLATED VALVE NO. 1 AND ISOL. NO. AS SHOWN ON TABLE AT DWG. G-152, SH-1
 - ALL PORTIONS OF THE SERVICE BUILDING INSTRUMENT AIR FLOW DIAGRAM DOWNSTREAM OF VALVE IA-3031 ARE RECORDED, AND RELOCATED TO DRAWING G-1132. THIS INFORMATION IS NO LONGER CONTROLLED BY ANY CONFIGURATION MANAGEMENT PROCEDURE AND MAY NOT BE SUBJECT TO 90.1 CONTROLING.
 - VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND WILL BE DIFFERENT FROM POSITIONS SHOWN ON ACTUAL EQUIPMENT ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 - THIS EQUIPMENT IS INACTIVE PER ER-93-99-0495-00-00.
 - THIS EQUIPMENT IS INACTIVE PER ER-93-99-0492-00-00.
 - IT IS OPTIONAL TO CAP OR PLUG AN OPEN ENDED LINE OR VALVE. CAPS OR PLUGS CAN BE INSTALLED TO STOP LEAKS. NO OPENING REVISION IS REQUIRED. CAP AND PLUG DESIGN PRESSURE IS 125 PSIG.

THIS DWG. ALSO EXISTS AS PSAR FIGURE 9.3-1 SH7
 THIS DWG. INCORPORATES DCM NO. 922
 AND SUPERSEDES A PIA G-151, SH-1, REV. 1

NO.	DATE	REVISION	BY	CH	APPROVED	SCALE	DATE
20	12-7-11	ENCRP (11-14) EC 2162	DS	JAS	JAS		10-14-83
19	2-26-04	ENCRP (1-17) DRV 04-044	DD	NA	NA		
18	11-17-03	ENCRP (1-10) DRV 04-1424	DD	NA	NA		
17	8-16-01	ENCRP 01-92	JAS	NA	NA		
16	7-14-00	ENCRP (11-11) DRN 99-2249	HS	NA	HSB		
15	1-28-98	ENCRP (1-11) DRN 97-2378	HS	NA	NA		
14	7-11-96	ISDOP (1-1) DRN 96-2209	DD	NA	NA		

NO.	DATE	REVISION	BY	CH	APPROVED

SCALE	DATE	NO.
AS SHOWN	10-14-83	1
BY	DATE	NO.
DR. J. EVERS	10-14-83	1
DR. W. G. G. OGDEN	10-14-83	1
DR. W. G. G. OGDEN	10-14-83	1
DR. W. G. G. OGDEN	10-14-83	1

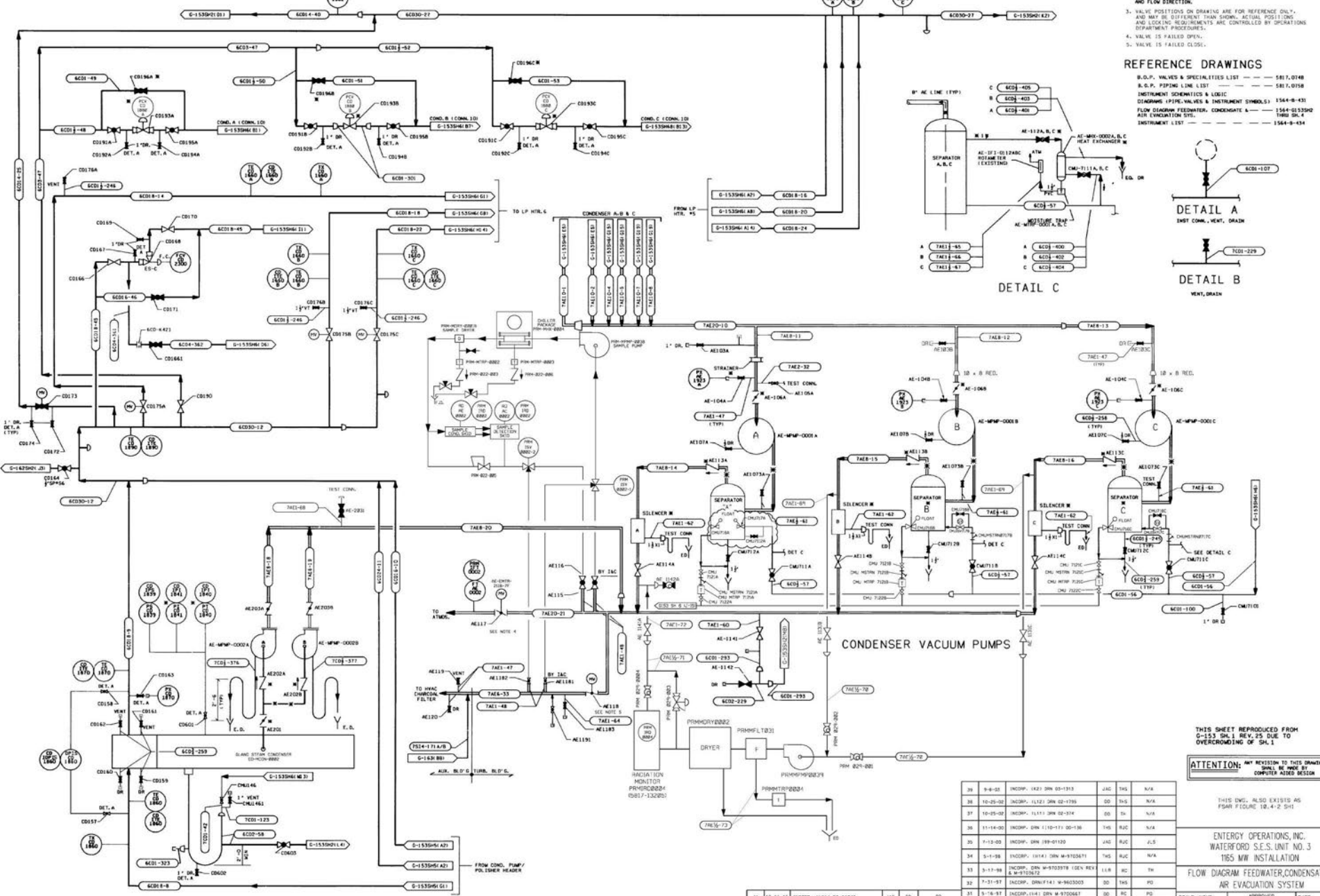
ENTERGY OPERATIONS, INC.
 WATERFORD S.E.S. UNIT NO. 3
 1965 MW INSTALLATION
 FLOW DIAGRAM INSTRUMENT AIR SYS.
 MISCELLANEOUS BLDGS.

G152 SH7

- NOTES:**
1. M DENOTES EQUIPMENT SUPPLIED BY VENDOR.
 2. CONTINUATION DRAWING AND FLOW DIRECTION.
 3. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 4. VALVE IS FAILED OPEN.
 5. VALVE IS FAILED CLOSED.

REFERENCE DRAWINGS

B.D.P. VALVES & SPECIALTIES LIST --- 5817, 0148
 B.O.P. PIPING LINE LIST --- 5818, 0158
 INSTRUMENT SCHEMATICS & LOGIC DIAGRAMS (PIPING, VALVES & INSTRUMENT SYMBOLS) 1564-B-031
 FLOW DIAGRAM FEEDWATER, CONDENSATE & AIR EVACUATION SYS. 1564-0133000
 INSTRUMENT LIST --- 1564-B-034



ATTENTION: ANY REVISION TO THIS DRAWING SHALL BE MADE BY COMPUTER AIDED DESIGN

THIS DWG. ALSO EXISTS AS P&ID FIGURE 184-4-2-011

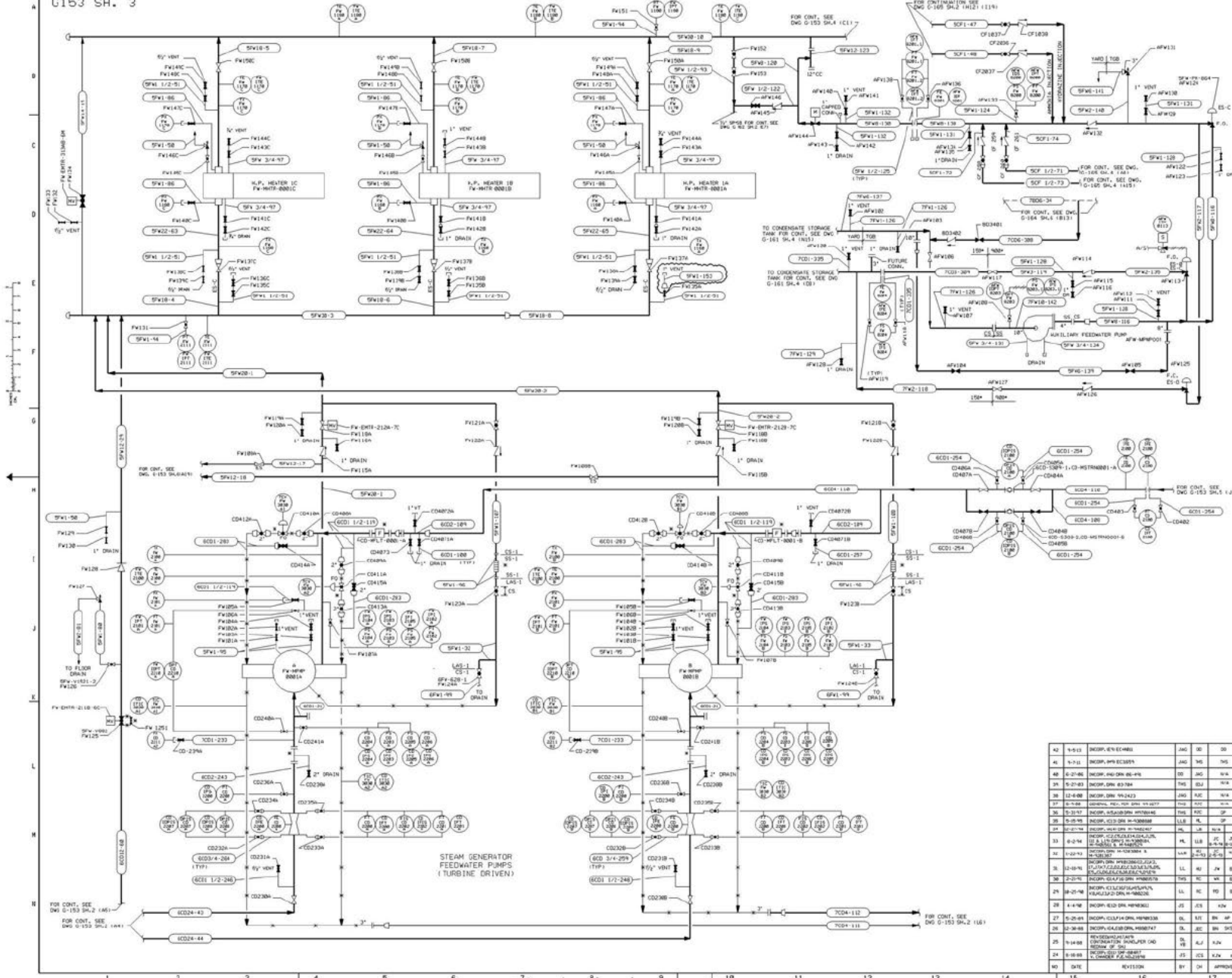
ENTERTY OPERATIONS, INC.
 WATERFORD S.E.S. UNIT NO. 3
 1765 MW INSTALLATION

FLOW DIAGRAM FEEDWATER, CONDENSATE & AIR EVACUATION SYSTEM

NO.	DATE	REVISION	BY	CH	APPROVED	NO.	DATE	REVISION	BY	CH	APPROVED
39	9-8-01	INCOMP. 1421 DRN 00-1313	JAD	THS	N/A	31	3-16-91	INCOMP. 1141 DRN W-9706671	30	RC	PS
38	10-25-00	INCOMP. 1132 DRN 02-1799	00	THS	N/A	30	4-11-95	INCOMP. 1418 & 771 DRN'S W-9401529 & W-9402020	36	SLR	JR
37	10-25-00	INCOMP. 1131 DRN 02-374	00	TH	N/A	29	12-11-15	INCOMP. 1141 EC 61049	JAO	00	00
36	11-14-00	INCOMP. DRN 1110-173 00-136	THS	RJC	N/A	28	1-23-12	INCOMP. 1141 0234101	JAO	30	00
35	11-14-00	INCOMP. DRN 1110-173 00-136	THS	RJC	N/A	27	3-17-98	INCOMP. DRN W-9703978 GEN REV A, W-9703972	118	RC	TK
34	3-4-98	INCOMP. 10141 DRN W-9702671	THS	RJC	N/A	26	7-31-97	INCOMP. DRN(F14) W-9403003	30	THS	PS
33	3-17-98	INCOMP. DRN W-9703978 GEN REV A, W-9703972	118	RC	TK	25	3-16-91	INCOMP. 1141 DRN W-9706671	30	RC	PS
32	7-31-97	INCOMP. DRN(F14) W-9403003	30	THS	PS	24	12-11-15	INCOMP. 1141 EC 61049	JAO	00	00
31	3-16-91	INCOMP. 1141 DRN W-9706671	30	RC	PS	23	1-23-12	INCOMP. 1141 0234101	JAO	30	00

SCALE: NONE
 APPROVED: _____ DATE: _____
 DW: MCH/_____
 DR: CH/_____
 SAB

G153 SH. 3



REFERENCE DRAWINGS:
 FOR REFERENCE DRAWINGS SEE
 LUG 1544-G-153 SHEET 1.

NOTES:
 1. * DENOTES EQUIPMENT SUPPLIED BY
 VENDOR.

42	9-5-53	DISP. EN 82481	JMS	30	30
43	9-5-53	DISP. EN 82481	JMS	30	30
44	6-2-56	DISP. EN 86-416	DE	30	N/A
25	5-2-53	DISP. EN 83-704	THE	30	N/A
18	12-4-58	DISP. EN 94-2423	JMS	30	N/A
17	8-2-58	DISP. EN 94-1407	THE	30	N/A
36	6-3-57	DISP. EN 89-8046	THE	30	30
35	5-15-55	DISP. EN 89-8046	LLS	30	30
34	10-27-54	DISP. EN 89-8046	LLS	30	30
13	8-2-54	DISP. EN 89-8046	LLS	30	30
11	1-2-53	DISP. EN 89-8046	LLS	30	30
33	12-18-55	DISP. EN 89-8046	LLS	30	30
32	2-2-57	DISP. EN 89-8046	LLS	30	30
26	10-27-54	DISP. EN 89-8046	LLS	30	30
28	4-4-58	DISP. EN 89-8046	JL	30	30
27	5-25-51	DISP. EN 89-8046	LLS	30	30
26	12-28-58	DISP. EN 89-8046	LLS	30	30
25	9-14-58	DISP. EN 89-8046	LLS	30	30
24	8-18-58	DISP. EN 89-8046	JL	30	30
23	8-18-58	DISP. EN 89-8046	JL	30	30
22	8-18-58	DISP. EN 89-8046	JL	30	30
21	8-18-58	DISP. EN 89-8046	JL	30	30
20	8-18-58	DISP. EN 89-8046	JL	30	30

* VALVE POSITIONS ON DRAWING ARE FOR
 REFERENCE ONLY, AND MAY BE DIFFERENT
 THAN SHOWN. ACTUAL POSITIONS AND
 LOCKING REQUIREMENTS ARE CONTROLLED
 BY OPERATIONS DEPARTMENT PROCEDURES.

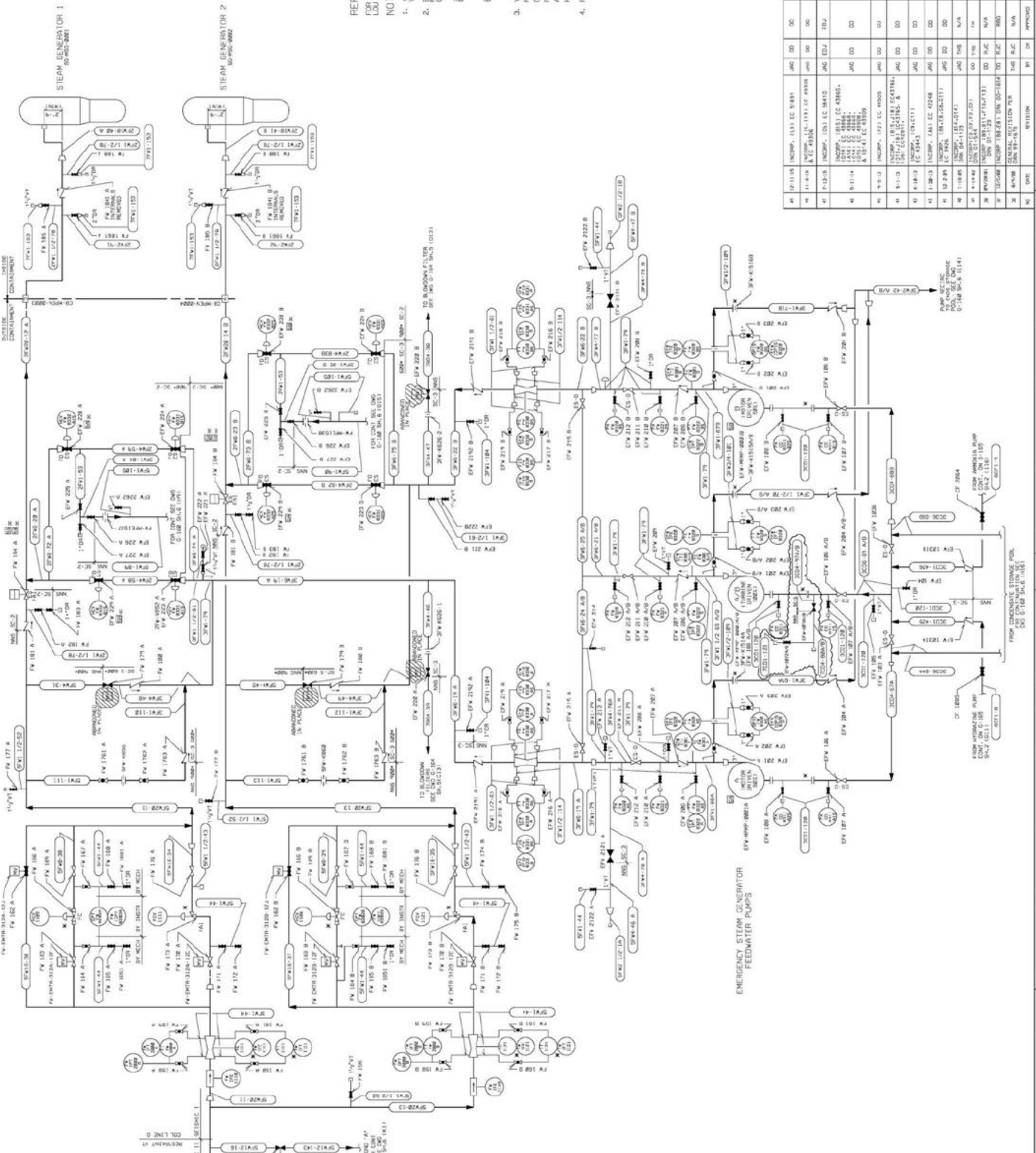
THIS SHEET INCORPORATES REVISIONS THROUGH 24.
 THIS DRAWING ALSO EXISTS AS PSR FIGURE
 18-1-2 393

LOUISIANA POWER & LIGHT COMPANY
 WATER AND S.E. 3, SHEET NO. 3
 197-1165 MW INSTALLATION
 FLOW DIAGRAM
 FEEDWATER, CONDENSATE &
 AIR EVACUATION SYSTEMS

ESPICO SERVICES INCORPORATED NEW YORK
 DATE: 8/16/58
 SCALE: NONE
 DRAWN BY: J.V. CHANDLER
 CHECKED BY: K. WALKER
 APPROVED BY: J. WALKER
 SHEET 3

G153
 SHEET 3

G153 SH. 4



REFERENCE DRAWINGS FOR REFERENCE DRAWINGS SEE LDU 1564 G-153, SHEET 1.

NOTES:

- * CROTES EQUIPMENT SUPPLIED BY VENDOR.
- EQUIPMENT IDENTIFIED WITH THE CLASS I.E. POWER SOURCE.

500 500 A.C. POWER SOURCE FROM 480V, 3-Ø, 4W, 50/60 HZ. RESPECTIVELY.

500 500 D.C. POWER SOURCE FROM 240V, 2-Ø, 4W, 50/60 HZ. RESPECTIVELY.

3. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT FROM THE POSITIONS AND LOCKING INDICATORS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

4. PIPING CAP SHOULD BE AN ALTERNATE DESIGN.

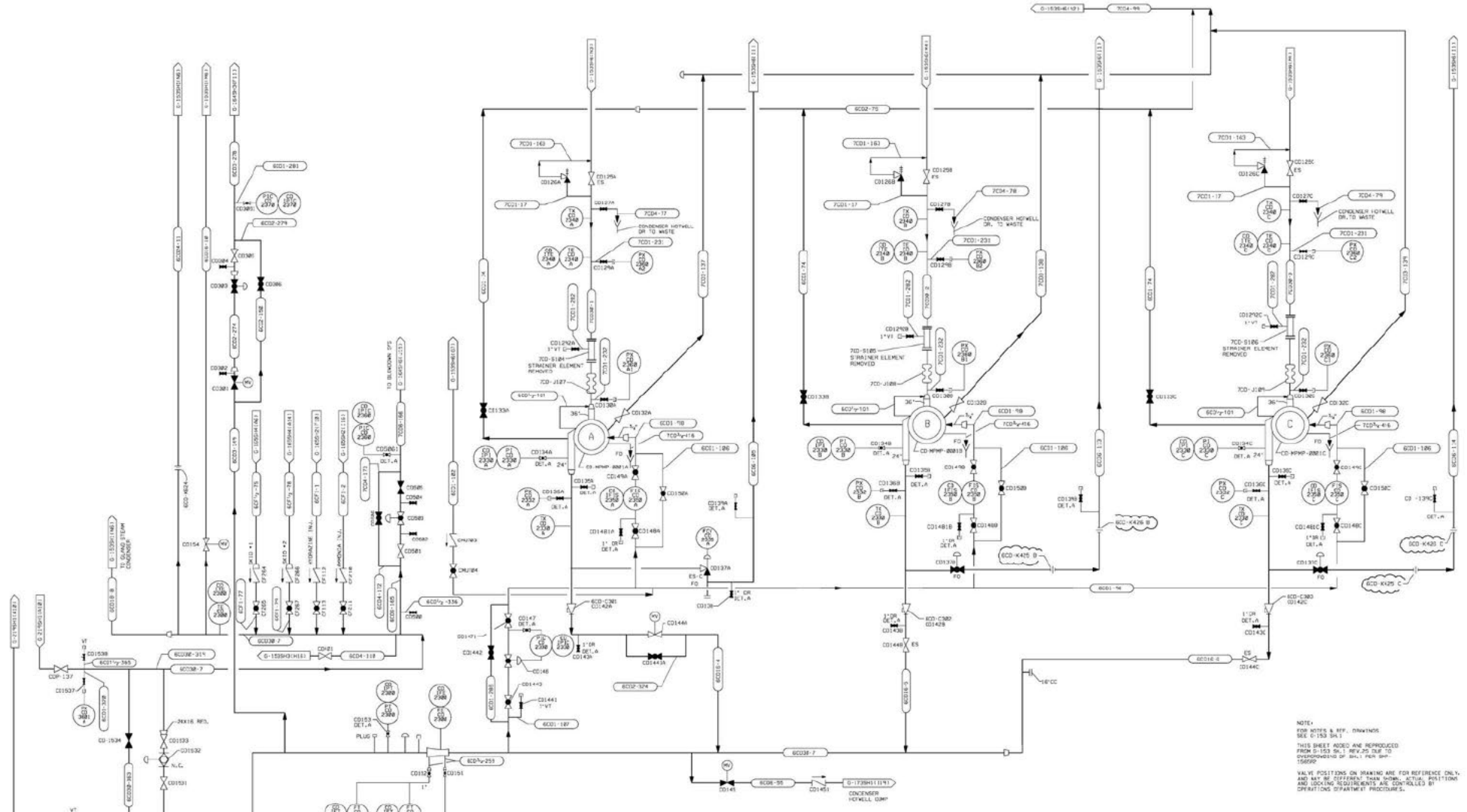
NO.	DATE	BY	CHK.	APP'D.	REVISION
1	10-11-15	INCOMP.	113	EC	9499
2	11-10-15	INCOMP.	113	EC	9499
3	11-10-15	INCOMP.	113	EC	9499
4	11-10-15	INCOMP.	113	EC	9499
5	11-10-15	INCOMP.	113	EC	9499
6	11-10-15	INCOMP.	113	EC	9499
7	11-10-15	INCOMP.	113	EC	9499
8	11-10-15	INCOMP.	113	EC	9499
9	11-10-15	INCOMP.	113	EC	9499
10	11-10-15	INCOMP.	113	EC	9499
11	11-10-15	INCOMP.	113	EC	9499
12	11-10-15	INCOMP.	113	EC	9499
13	11-10-15	INCOMP.	113	EC	9499
14	11-10-15	INCOMP.	113	EC	9499
15	11-10-15	INCOMP.	113	EC	9499
16	11-10-15	INCOMP.	113	EC	9499
17	11-10-15	INCOMP.	113	EC	9499
18	11-10-15	INCOMP.	113	EC	9499
19	11-10-15	INCOMP.	113	EC	9499
20	11-10-15	INCOMP.	113	EC	9499
21	11-10-15	INCOMP.	113	EC	9499
22	11-10-15	INCOMP.	113	EC	9499
23	11-10-15	INCOMP.	113	EC	9499
24	11-10-15	INCOMP.	113	EC	9499
25	11-10-15	INCOMP.	113	EC	9499
26	11-10-15	INCOMP.	113	EC	9499
27	11-10-15	INCOMP.	113	EC	9499
28	11-10-15	INCOMP.	113	EC	9499
29	11-10-15	INCOMP.	113	EC	9499
30	11-10-15	INCOMP.	113	EC	9499
31	11-10-15	INCOMP.	113	EC	9499
32	11-10-15	INCOMP.	113	EC	9499
33	11-10-15	INCOMP.	113	EC	9499
34	11-10-15	INCOMP.	113	EC	9499
35	11-10-15	INCOMP.	113	EC	9499
36	11-10-15	INCOMP.	113	EC	9499
37	11-10-15	INCOMP.	113	EC	9499
38	11-10-15	INCOMP.	113	EC	9499
39	11-10-15	INCOMP.	113	EC	9499
40	11-10-15	INCOMP.	113	EC	9499

THIS DRAWING ALSO EXHIBITS AS PER FIGURE 10-A-2 ON 1.

STATE OF LOUISIANA
 IN SENATE
 FEBRUARY 1, 1977
 REGISTERED
 PROFESSIONAL ENGINEER
 NUMBER 11313

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD S.E.S. UNIT NO. 3
 197-160 MW INSTALLATION
 CONDENSATE DRAINAGE &
 FEEDWATER DRAINAGE &
 AIR EVACUATION SYSTEMS

DESIGNED BY: INCORP. 113 EC 9499
 DRAWN BY: INCORP. 113 EC 9499
 CHECKED BY: INCORP. 113 EC 9499
 DATE: 11-10-15



CONDENSATE PUMPS

NOTE:
FOR NOTES & REV. DRAWINGS
SEE G-153 SH.1
THIS SHEET HAS BEEN REPRODUCED
FROM G-153 SH.1 REV.25 DUE TO
OBSOLETE OF SH.1 PER SHP
156690
VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY
AND MAY BE DIFFERENT FROM NOMINAL ACTUAL POSITIONS
AND LOCKING REQUIREMENTS ARE CONTROLLED BY
OPERATING DEPARTMENT PROCEDURES.

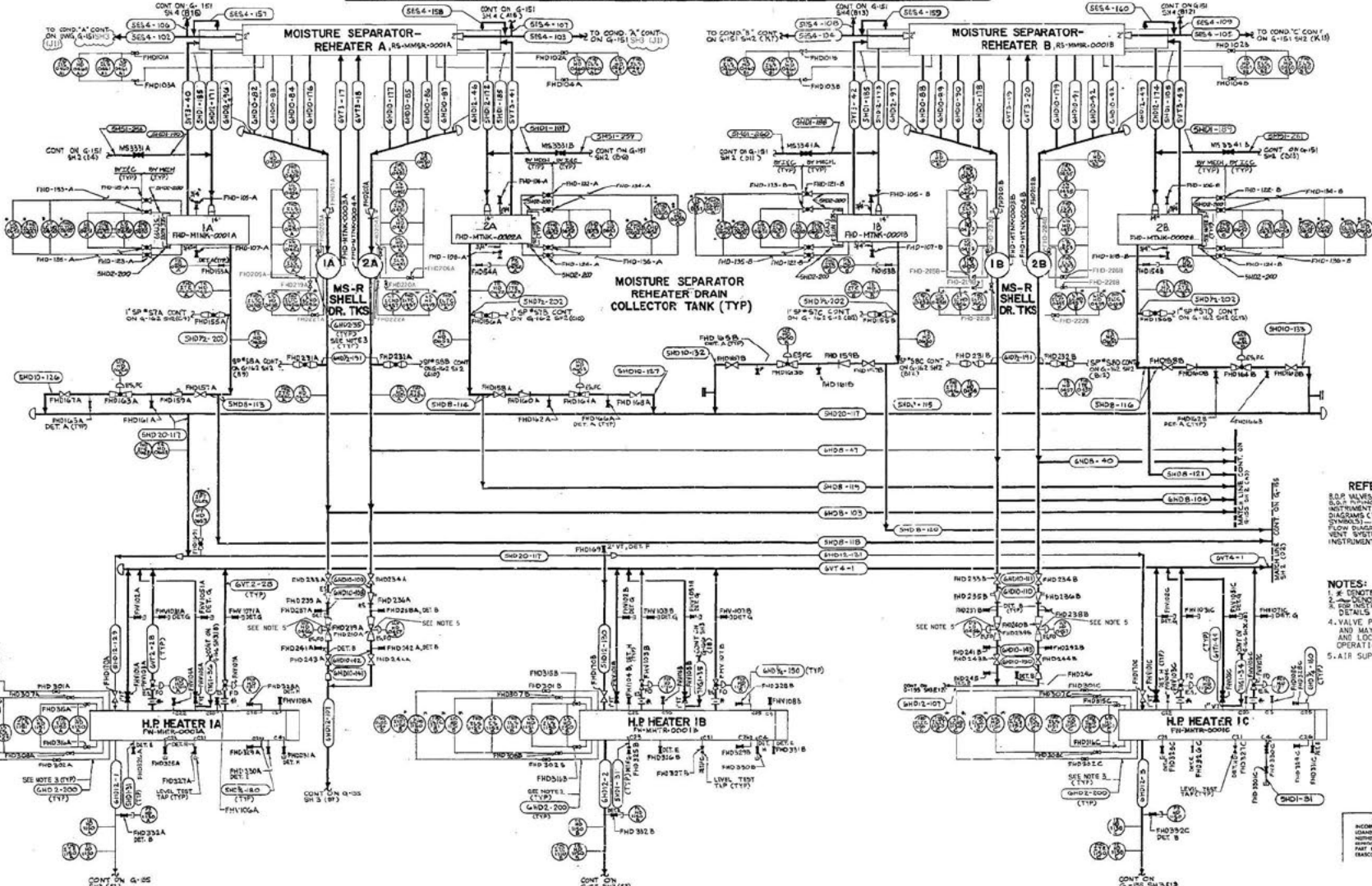
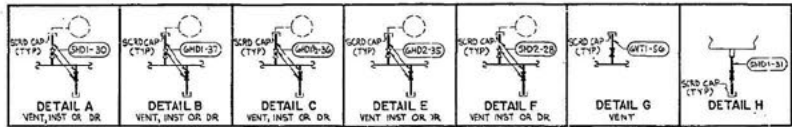
ATTENTION: ANY REVISION TO THIS DRAWING
SHALL BE MADE BY
COMPUTER AIDED DESIGN

THIS DWG. ALSO EXISTS AS
FEAR # ISSUE: 10.4-2 SHS

NO	DATE	REVISION	BY	CH	APPROVED	DATE	DRW. NO.	REV.
1	3-8-81						G153	SH.5
2	12-2-81							
3	2-1-82							
4	1-12-82							
5	6-7-88							
6	2-3-88							
7	3-29-88							

LOUISIANA POWER & LIGHT COMPANY
WATERFORD SEC. UNIT NO.3 TAFT, L.A.
1165 MW INSTALLATION
FLOW DIAGRAM
FEEDWATER, CONDENSATE & AIR
EVACUATION SYS.

EBASCO SERVICES INCORPORATED



REFERENCE DRAWINGS
 S.P. VALVES & SPECIALTIES LIST - L0458104B
 S.P. VALVING LIST - L0458105A
 INSTRUMENT SCHEMATICS & LOGIC - L0458105B
 DIAGRAMS PIPE VALVES & INSTRUMENT SYMBOLS - L044-1-431
 FLOW DIAGRAM HEATER DRAIN E - L044-1-05 5/12
 VENT SYSTEMS - L044-1-05 5/12
 INSTRUMENT LIST - L044-1-05 5/12

NOTES:
 1. ALL VENTERS EQUIPMENTS SUPPLIED BY VENDOR.
 2. 1" & 2" DENOTES ULTRASONIC FLOW TRANSMITTER.
 3. FOR INSTRUMENTATION DETAILS SEE INSTALLATION DETAILS L0458104-B-430.
 4. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 5. AIR SUPPLY DISCONNECTED, MANUAL ACTUATION ONLY.

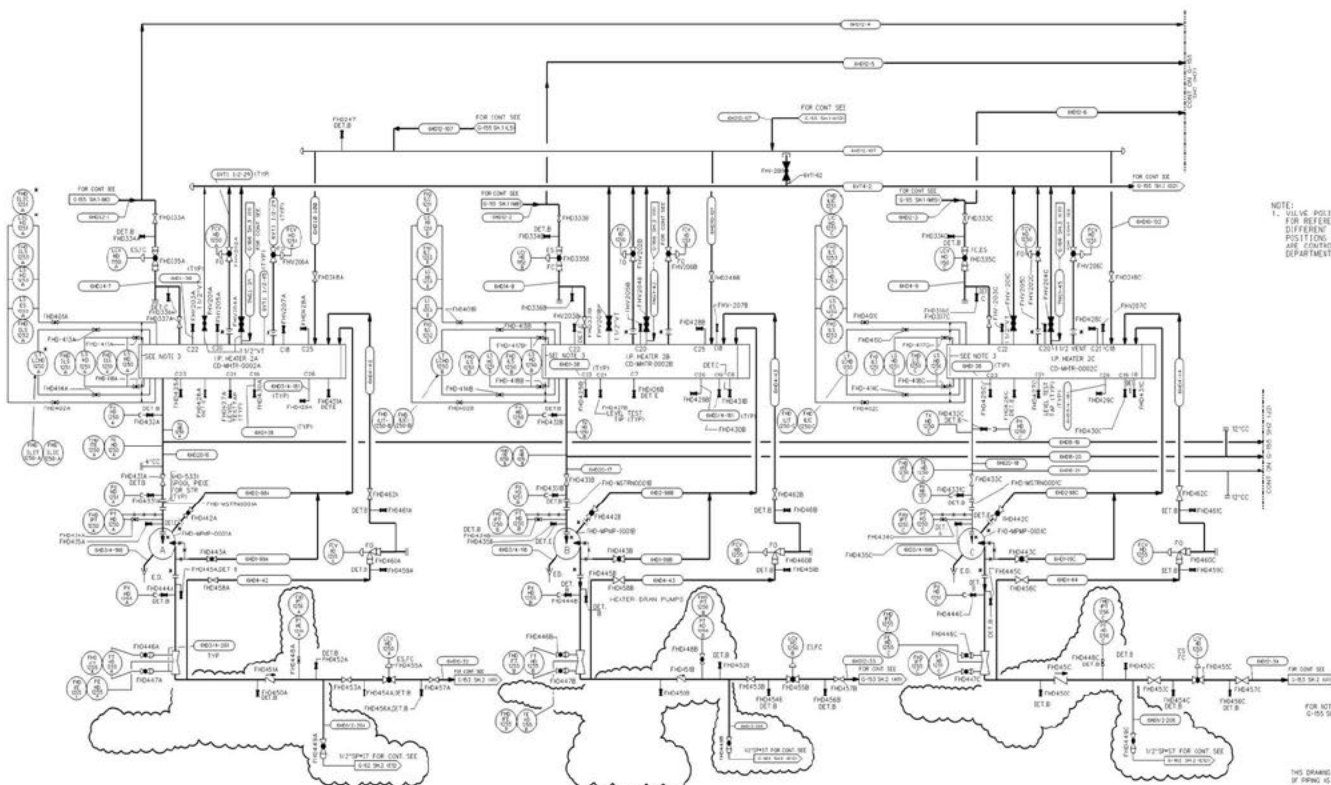


THIS DOCUMENT IS THE PROPERTY OF BANCOR SERVICES INCORPORATED. IT IS LOANED TO YOU AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BANCOR SERVICES INCORPORATED.

THIS DOC. ALSO EXISTS AS
 PSAR FIGURE 10.4-4 SH1

NO.	DATE	REVISION DESCRIPTION	BY	CHK	APPROVED
34	2-10-88	GENERAL REVISION PER DYN M-92878	LLB	JLC	N/A
35	3-17-88	INCORP DYN M-92878	LLB	JLC	OK
37	4-23-87	INCORP DYN M920042(15-113-119)	DD	TAS	OK
31	6-18-85	INCORP DYN M920028	THS	GD	N/A
30	3-20-84	INCORP DYN M-9201000 (JA-1,11-14) AND DYN M-920142 (15-113-117) AND DYN M-920152 (118)	DD	TAS	OK
37	8-23-88	INCORP DYN M-920152	JAC	DD	DD
35	8-18-88	INCORP DYN M-920152	JAC	DD	DD
35	5-20-88	INCORP DYN M-920152	JLC	JAC	N/A
28	12-17-81	INCORP DYN M-91203100, M-91203101, M-91203102, M-91203103, M-91203104	LL		
29	3-1-83	INCORP DYN M-91203101	LLB	HU	OK

ENTERGY OPERATIONS, INC. WATERFORD S.E.S. UNIT NO. 3 1165 MW INSTALLATION			
FLOW DIAGRAM HEATER DRAIN & VENT SYSTEMS			
SCALE: NONE	APPROVED	DATE: 8/30/88	
DR. F. WARD	JAC		
CH. G. BLUM	CH. W. JAM		
C 155 SHEET 1			



THIS DRAWING IS A SYNCHRONIC REPRESENTATION OF Piping AS PHYSICALLY RUN WITH NECESSARY REFERENCE TO LINES AND VALVE NUMBERS.

LOW POINT DRAWS, STENTS ETC THEY DO NOT RELIEVE 1/2" FROM RESPONSIBILITY FOR THESE DESIGN, INSTALLATION, PROCESS REQUIREMENTS AND PIPING DESIGN, ORDER AS PREVIOUSLY ON BRANCH TO 10-10-77. 1/2" NO. E-1070-210-10.

THIS DWG. ALSO EXISTS AS PEAR FIGURE 10-1-4 SH3

LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1165 MW INSTALLATION

FLOW GUARDIAN
HEATER DRAIN & VENT SYSTEMS

EBASCO SERVICES, INCORPORATED

SCALE NONE RELEASED DATE 7-8-91
DR. MED. DR. L. FISCHER
CH. JACOBSON

30	10/21/07	INCORP. SEC-356	JAC	DE	DD
29	1/3/00	INCORP. CORN 00-750	JAC	RJC	N/A
28	2/17/98	GENERAL REVISION PER	LLR	RJC	N/A
27	5/12/97	INCORP. DRN 11-00003	LLR	RJC	N/A
26	11-27-94	INCORP. SET-390	MA	LR	-
25	11-18-94	INCORP. DRN W-200300	LLR	ML	JR
24	1-1-93	INCORP. DRN W-200300	LLR	HU	RJC
23	12-10-91	INCORP. DRN W-200300	DD	HU	JW
22	7-8-91	ENG. SKETCH REPRODUCED FROM C-155 SH. 3 DUE TO OVERCROWDING SET SHEET 3	LWF	JCS	SHE

NO. DATE REVISION BY CH RELEASED

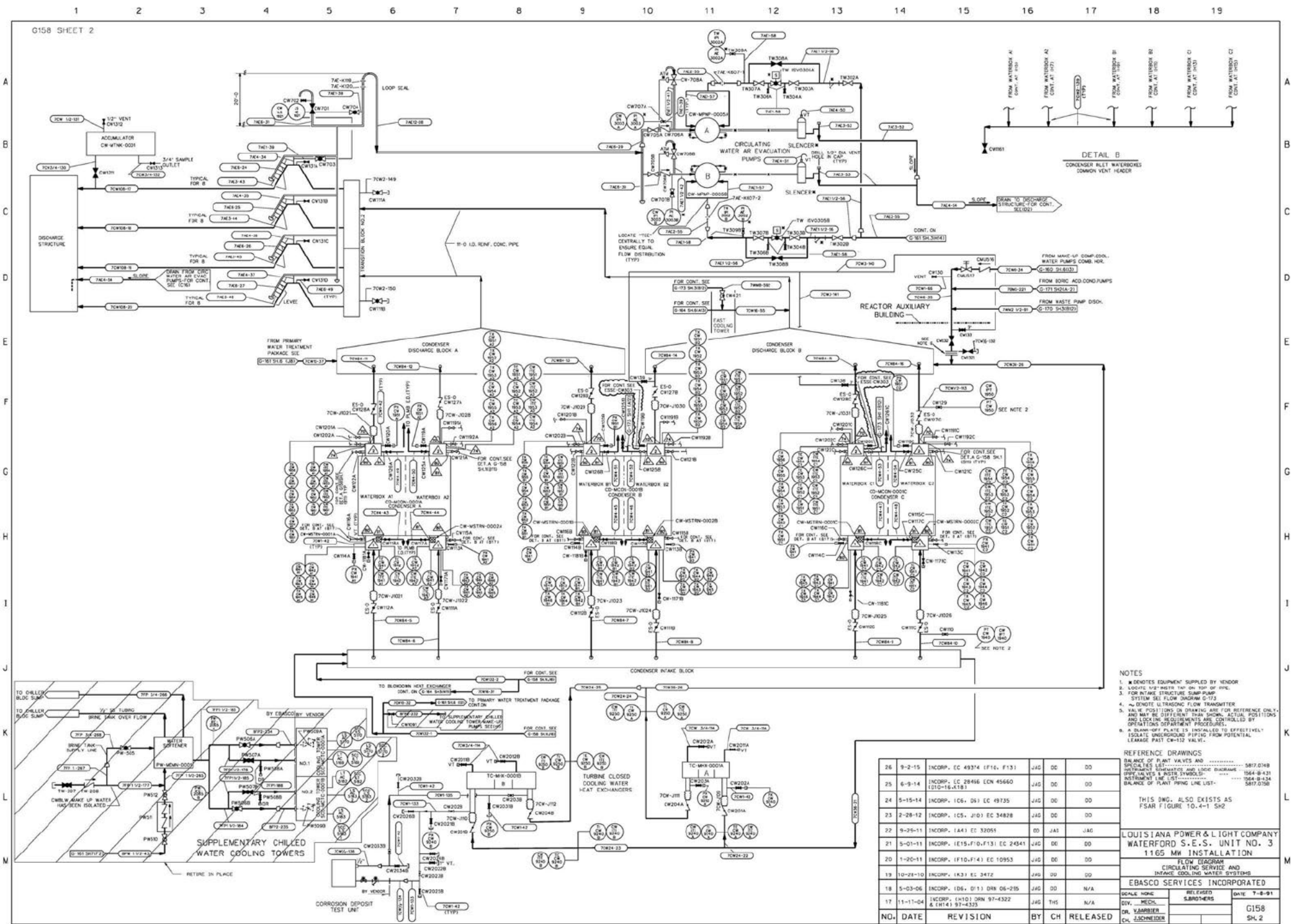
SCALE NONE RELEASED DATE 7-8-91
DR. MED. DR. L. FISCHER
CH. JACOBSON

EBASCO SERVICES, INCORPORATED

SCALE NONE RELEASED DATE 7-8-91
DR. MED. DR. L. FISCHER
CH. JACOBSON

EBASCO SERVICES, INCORPORATED

SCALE NONE RELEASED DATE 7-8-91
DR. MED. DR. L. FISCHER
CH. JACOBSON



- NOTES**
1. M DENOTES EQUIPMENT SUPPLIED BY VENDOR
 2. SLOTTED VENT MUST BE ON TOP OF TANK
 3. FOR INTAKE STRUCTURE FLOW TRANSMITTER SYSTEM SEE FLOW DIAGRAM G-153
 4. ~ GDNTE ULTRASONIC FLOW TRANSMITTER
 5. VALVE POSITIONS OR DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN ACTUAL POSITIONS AND LOCK UP REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 6. A SLAM-OFF PLATE IS INSTALLED TO EFFECTIVELY ISOLATE UNDERGROUND PIPING FROM POTENTIAL LEAKAGE PATH CW-112 VALVE.

REFERENCE DRAWINGS

26	9-2-15	INCRP. EC 49374 (F16, F13)	JAG	DC	DO	
25	6-9-14	INCRP. EC 28446 (CN 5560)	JAG	DC	DO	587.018
		SPR VALVES & INSTR SYMBOLS				1064-B-31
		INSTRUMENT LINE LIST				587.038

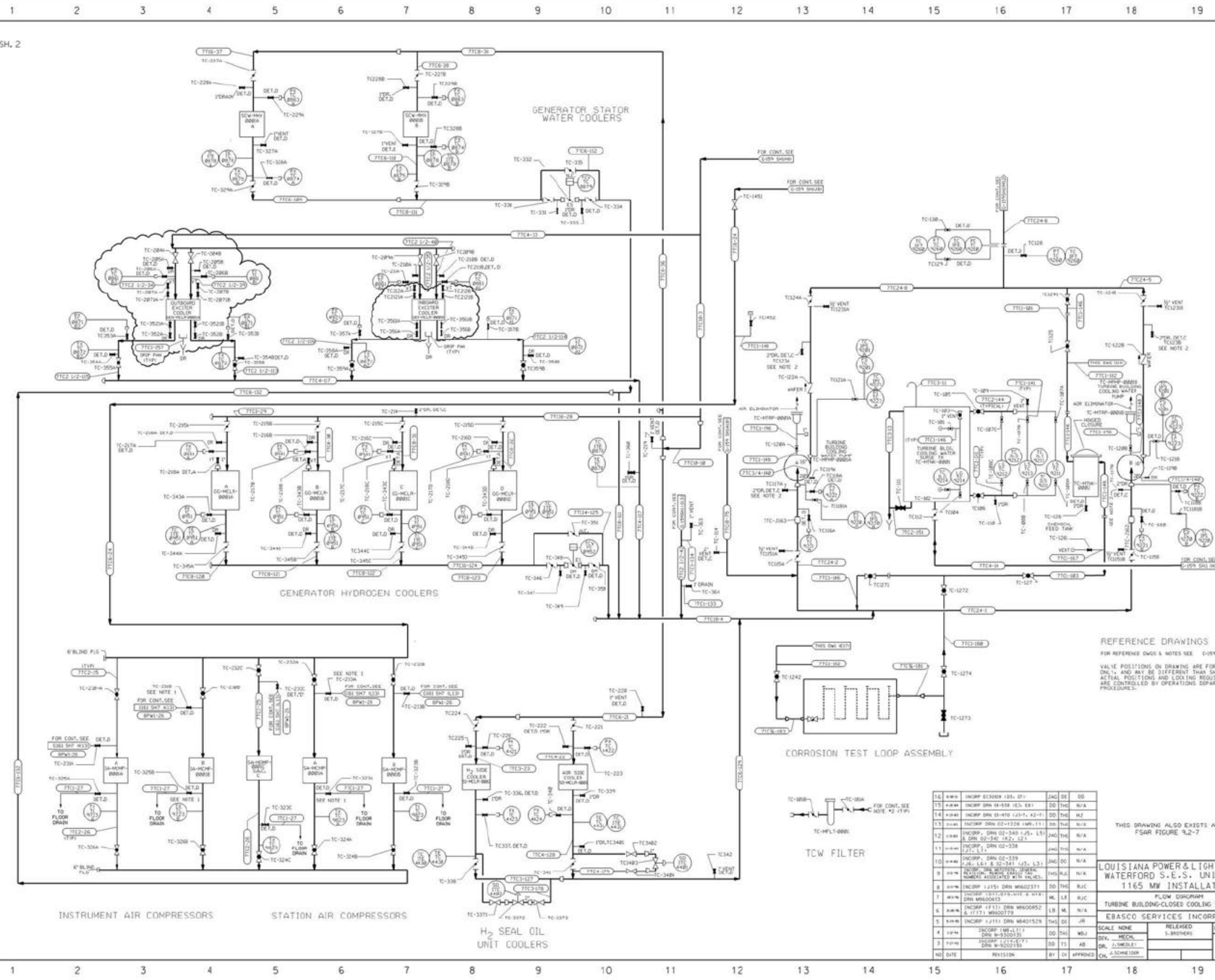
THIS DWG. ALSO EXISTS AS
FSAR FIGURE 10.4-1 SH2

LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1165 MW INSTALLATION

EBASCO SERVICES INCORPORATED

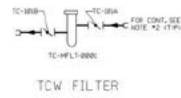
SCALE	MONO	RELEASED	DATE
DWG. NO.	MECH.	S. BROTHERS	7-8-91
DR. YAMBER			
CH. SCHNEIDER			

NO.	DATE	REVISION	BY	CH	RELEASED
26	9-2-15	INCRP. EC 49374 (F16, F13)	JAG	DC	DO
25	6-9-14	INCRP. EC 28446 (CN 5560)	JAG	DC	DO
24	5-15-14	INCRP. (C6, D6) EC 49325	JAG	DC	DO
23	2-28-12	INCRP. (C5, J10) EC 34828	JAG	DC	DO
22	9-25-11	INCRP. (A4) EC 32055	DD	JAG	JAG
21	5-01-11	INCRP. (E15, F10, F13) EC 24841	JAG	DC	DO
20	1-20-11	INCRP. (F10, F14) EC 10953	JAG	DC	DO
19	10-22-10	INCRP. (K3) EC 3472	JAG	DC	DO
18	5-03-06	INCRP. (D6, D1) DRN 06-216	JAG	DC	N/A
17	11-17-04	INCRP. (H10) DRN 97-4322 (6, H14) 97-4323	JAG	THS	N/A



REFERENCE DRAWINGS
 FOR REFERENCE DWG'S NOTES SEE 0-209 DWG/P. 2
 VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

CORROSION TEST LOOP ASSEMBLY



TCW FILTER

16	INCORP. ECHOSER 101.07	JAG	DE	00
17	INCORP. DRN 04-038 163.01	00	TH	N/A
18	INCORP. DRN 04-038 163.01	00	TH	00
19	INCORP. DRN 02-130 125.15	JAG	TH	N/A
20	INCORP. DRN 02-130 125.15	JAG	TH	N/A
21	INCORP. DRN 02-130 125.15	JAG	TH	N/A
22	INCORP. DRN 02-130 125.15	JAG	TH	N/A
23	INCORP. DRN 02-130 125.15	JAG	TH	N/A
24	INCORP. DRN 02-130 125.15	JAG	TH	N/A
25	INCORP. DRN 02-130 125.15	JAG	TH	N/A
26	INCORP. DRN 02-130 125.15	JAG	TH	N/A
27	INCORP. DRN 02-130 125.15	JAG	TH	N/A
28	INCORP. DRN 02-130 125.15	JAG	TH	N/A
29	INCORP. DRN 02-130 125.15	JAG	TH	N/A
30	INCORP. DRN 02-130 125.15	JAG	TH	N/A
31	INCORP. DRN 02-130 125.15	JAG	TH	N/A
32	INCORP. DRN 02-130 125.15	JAG	TH	N/A
33	INCORP. DRN 02-130 125.15	JAG	TH	N/A
34	INCORP. DRN 02-130 125.15	JAG	TH	N/A
35	INCORP. DRN 02-130 125.15	JAG	TH	N/A
36	INCORP. DRN 02-130 125.15	JAG	TH	N/A
37	INCORP. DRN 02-130 125.15	JAG	TH	N/A
38	INCORP. DRN 02-130 125.15	JAG	TH	N/A
39	INCORP. DRN 02-130 125.15	JAG	TH	N/A
40	INCORP. DRN 02-130 125.15	JAG	TH	N/A
41	INCORP. DRN 02-130 125.15	JAG	TH	N/A
42	INCORP. DRN 02-130 125.15	JAG	TH	N/A
43	INCORP. DRN 02-130 125.15	JAG	TH	N/A
44	INCORP. DRN 02-130 125.15	JAG	TH	N/A
45	INCORP. DRN 02-130 125.15	JAG	TH	N/A
46	INCORP. DRN 02-130 125.15	JAG	TH	N/A
47	INCORP. DRN 02-130 125.15	JAG	TH	N/A
48	INCORP. DRN 02-130 125.15	JAG	TH	N/A
49	INCORP. DRN 02-130 125.15	JAG	TH	N/A
50	INCORP. DRN 02-130 125.15	JAG	TH	N/A

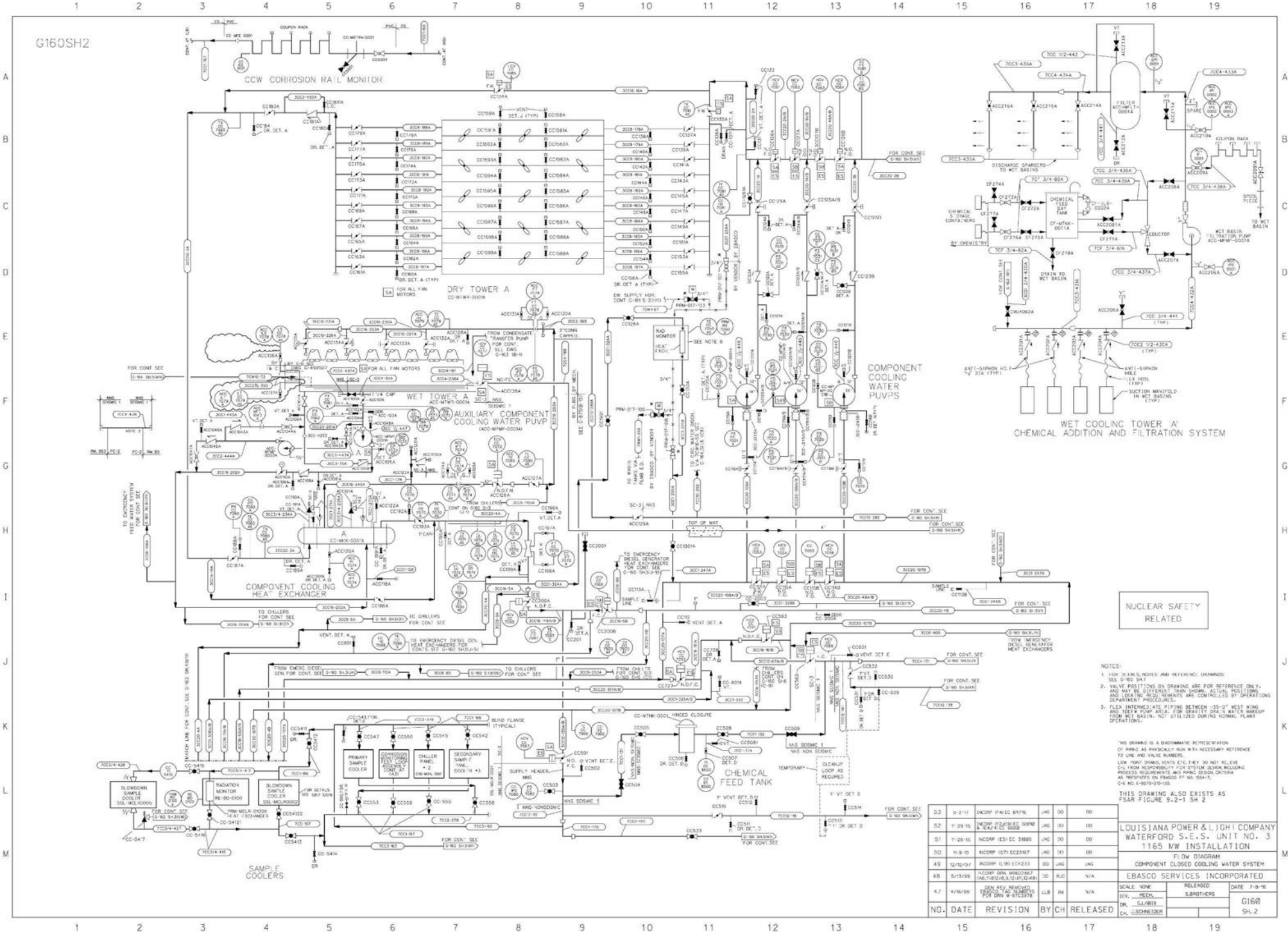
THIS DRAWING ALSO EXISTS AS
 FSAR FIGURE 9.2-7

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD S.E.S. UNIT NO. 3
 1165 MW INSTALLATION

TURBINE BUILDING-CLOSED COOLING WATER SYSTEM
 EBSACO SERVICES INCORPORATED

SCALE	NONE	RELEASED	DATE	1-8-81
DEV.	MECH.	BY	WBU	
DR.	J.S.MELEY	APPROVED	AB	
CHK.	J.S.MELEY	DATE		

G160SH2



NUCLEAR SAFETY
RELATED

- NOTES:
1. FOR JET LMS, NDIS15 AND NDIS20: DRAWINGS SHALL BE 0.80 S.I.
 2. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING POSITIONS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 3. FLEX INTERMEDIATE PIPING BETWEEN -35.0" WEST WING AND IDEEP PUMP BASIN FOR GRAVITY DRAIN WATER MAKEUP FROM WET BASIN; NOT UTILIZED DURING NORMAL PLANT OPERATION.

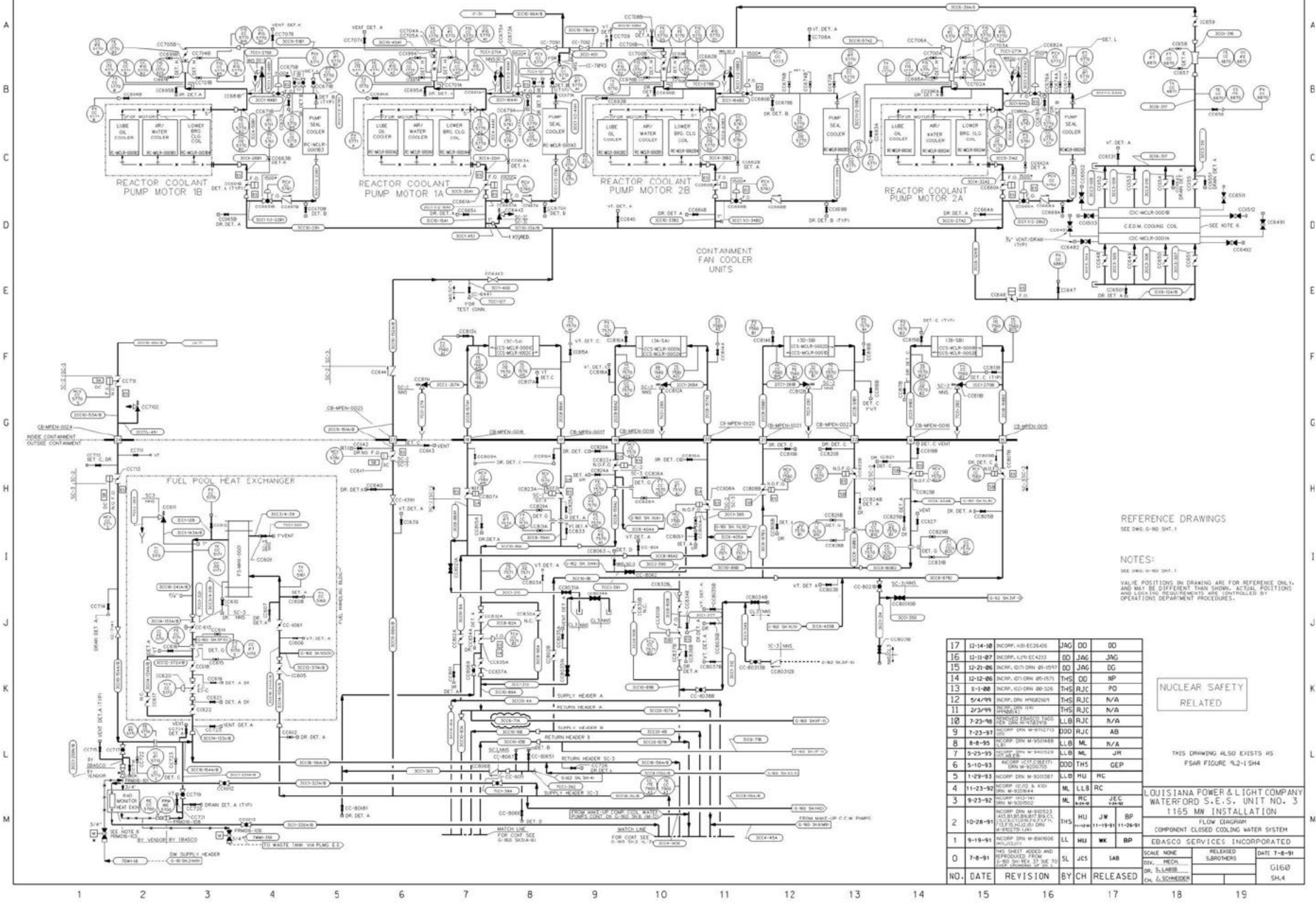
THIS DRAWING IS A DIAGNOSTIC REPRESENTATION OF P&ID AS PHYSICALLY RUN WITH NECESSARY REFERENCE TO LINE AND VALVE NUMBERING. LOW POINT DRAINAGE ETC. THEY DO NOT RELIEVE OF RESPONSIBILITY FOR SYSTEM DESIGN INCLUDING PROCESS REQUIREMENTS AND P&ID DESIGN CRITERIA AS REFERRED TO PARAGRAPH 1.1.1.1. (SAR 92-1 SH 2) (SAR 92-1 SH 2)

THIS DRAWING ALSO EXISTS AS
SAR FIGURE 92-1 SH 2

NO.	DATE	REVISION	BY	CH	RELEASED
0.5	3-27-71	INCORP. IFC EC 8718	JAG	DD	DD
0.2	7-29-71	INCORP. IFC EC 8718 & EC 8818	JAG	DD	DD
0.1	7-26-71	INCORP. IFC EC 5885	JAG	DD	DD
0.0	11-9-70	INCORP. IFC EC2387	JAG	DD	DD
49	12/12/97	INCORP. IFC EC2333	BD	JAG	
48	5/13/99	INCORP. IFC 5862/5867 AND 11/12/99-03/21/01/02/03	SD	RJC	N/A
4.7	4/7/98	FOR CONT. SEE	LLB	RK	N/A

LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1165 MW INSTALLATION
P&ID DIAGRAM
COMPONENT CLOSED COOLING WATER SYSTEM
EBASCO SERVICES INCORPORATED
SCALE: NONE
DATE: 7-9-71
BY: DR. S. BROTHERS
CHK: J. SCHMEIDLER
SH. 2

G160SH4



REFERENCE DRAWINGS
SEE DWG. G-160 SH-1

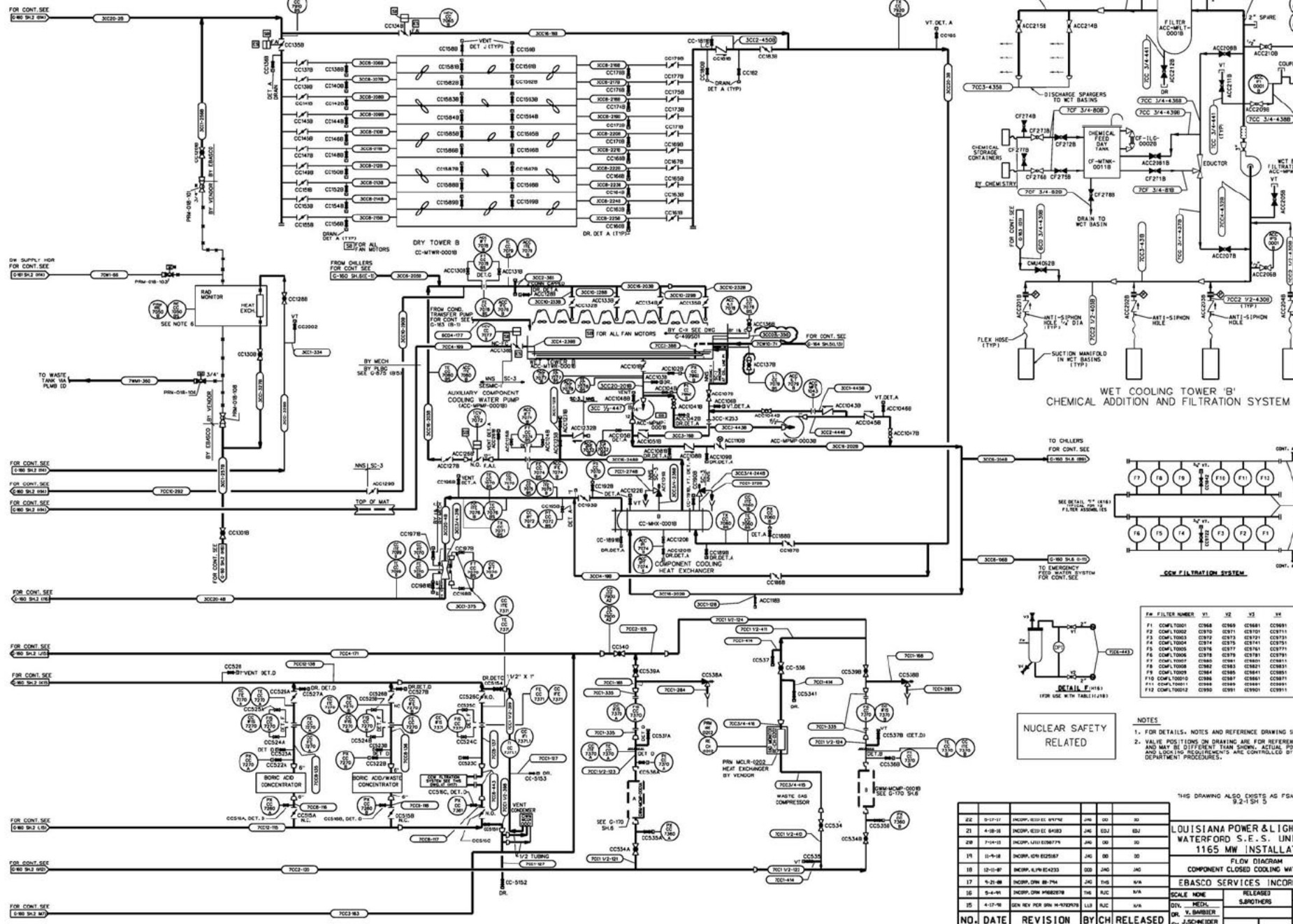
NOTES:
SEE DWG. G-160 SH-1
VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING POSITIONS SHALL BE DETERMINED BY OPERATIONS DEPARTMENT PROCEDURES.

NUCLEAR SAFETY
RELATED

THIS DRAWING ALSO EXISTS AS
FSAR FIGURE 9.2-15H4

17	12-14-88	INCOMP. HSI EC2646	JAG	DD	DD
16	12-13-87	INCOMP. LPH EC4233	ED	JAG	JAG
15	12-21-86	INCOMP. G27 DRN 88-1091	OG	JAG	OG
14	12-12-86	INCOMP. G27 DRN 85-1071	THS	DD	MP
13	8-1-80	INCOMP. G27 DRN 80-326	THS	RJC	PO
12	5/4/79	INCOMP. DRN HPGARD20V (HARDWARE)	THS	RJC	N/A
11	2/23/79	DRN 87-1141	THS	RJC	N/A
10	7-23-78	INCOMP. DRN HPGARD20V (HARDWARE)	THS	RJC	N/A
9	7-23-77	DRN 87-1141	DD	RJC	AB
8	8-8-75	DRN 85-1100	LLB	ML	N/A
7	5-23-75	DRN 85-1100	LLB	ML	JH
6	5-10-75	DRN 85-1100	DD	THS	GEP
5	1-29-73	INCOMP. DRN M-920287	LLB	HU	RC
4	11-23-72	INCOMP. G27 DRN 87-1001 DRN M-920284	ML	LLB	RC
3	9-23-72	INCOMP. G27 DRN 87-1001 DRN M-920282	NL	LLB	RC
2	10-28-71	INCOMP. DRN M-920283 AND HSI EC2646 AND HSI EC2647 AND HSI EC2648 AND HSI EC2649 AND HSI EC2650 AND HSI EC2651 AND HSI EC2652 AND HSI EC2653 AND HSI EC2654 AND HSI EC2655 AND HSI EC2656 AND HSI EC2657 AND HSI EC2658 AND HSI EC2659 AND HSI EC2660 AND HSI EC2661 AND HSI EC2662 AND HSI EC2663 AND HSI EC2664 AND HSI EC2665 AND HSI EC2666 AND HSI EC2667 AND HSI EC2668 AND HSI EC2669 AND HSI EC2670 AND HSI EC2671 AND HSI EC2672 AND HSI EC2673 AND HSI EC2674 AND HSI EC2675 AND HSI EC2676 AND HSI EC2677 AND HSI EC2678 AND HSI EC2679 AND HSI EC2680 AND HSI EC2681 AND HSI EC2682 AND HSI EC2683 AND HSI EC2684 AND HSI EC2685 AND HSI EC2686 AND HSI EC2687 AND HSI EC2688 AND HSI EC2689 AND HSI EC2690 AND HSI EC2691 AND HSI EC2692 AND HSI EC2693 AND HSI EC2694 AND HSI EC2695 AND HSI EC2696 AND HSI EC2697 AND HSI EC2698 AND HSI EC2699 AND HSI EC2700 AND HSI EC2701 AND HSI EC2702 AND HSI EC2703 AND HSI EC2704 AND HSI EC2705 AND HSI EC2706 AND HSI EC2707 AND HSI EC2708 AND HSI EC2709 AND HSI EC2710 AND HSI EC2711 AND HSI EC2712 AND HSI EC2713 AND HSI EC2714 AND HSI EC2715 AND HSI EC2716 AND HSI EC2717 AND HSI EC2718 AND HSI EC2719 AND HSI EC2720 AND HSI EC2721 AND HSI EC2722 AND HSI EC2723 AND HSI EC2724 AND HSI EC2725 AND HSI EC2726 AND HSI EC2727 AND HSI EC2728 AND HSI EC2729 AND HSI EC2730 AND HSI EC2731 AND HSI EC2732 AND HSI EC2733 AND HSI EC2734 AND HSI EC2735 AND HSI EC2736 AND HSI EC2737 AND HSI EC2738 AND HSI EC2739 AND HSI EC2740 AND HSI EC2741 AND HSI EC2742 AND HSI EC2743 AND HSI EC2744 AND HSI EC2745 AND HSI EC2746 AND HSI EC2747 AND HSI EC2748 AND HSI EC2749 AND HSI EC2750 AND HSI EC2751 AND HSI EC2752 AND HSI EC2753 AND HSI EC2754 AND HSI EC2755 AND HSI EC2756 AND HSI EC2757 AND HSI EC2758 AND HSI EC2759 AND HSI EC2760 AND HSI EC2761 AND HSI EC2762 AND HSI EC2763 AND HSI EC2764 AND HSI EC2765 AND HSI EC2766 AND HSI EC2767 AND HSI EC2768 AND HSI EC2769 AND HSI EC2770 AND HSI EC2771 AND HSI EC2772 AND HSI EC2773 AND HSI EC2774 AND HSI EC2775 AND HSI EC2776 AND HSI EC2777 AND HSI EC2778 AND HSI EC2779 AND HSI EC2780 AND HSI EC2781 AND HSI EC2782 AND HSI EC2783 AND HSI EC2784 AND HSI EC2785 AND HSI EC2786 AND HSI EC2787 AND HSI EC2788 AND HSI EC2789 AND HSI EC2790 AND HSI EC2791 AND HSI EC2792 AND HSI EC2793 AND HSI EC2794 AND HSI EC2795 AND HSI EC2796 AND HSI EC2797 AND HSI EC2798 AND HSI EC2799 AND HSI EC2800 AND HSI EC2801 AND HSI EC2802 AND HSI EC2803 AND HSI EC2804 AND HSI EC2805 AND HSI EC2806 AND HSI EC2807 AND HSI EC2808 AND HSI EC2809 AND HSI EC2810 AND HSI EC2811 AND HSI EC2812 AND HSI EC2813 AND HSI EC2814 AND HSI EC2815 AND HSI EC2816 AND HSI EC2817 AND HSI EC2818 AND HSI EC2819 AND HSI EC2820 AND HSI EC2821 AND HSI EC2822 AND HSI EC2823 AND HSI EC2824 AND HSI EC2825 AND HSI EC2826 AND HSI EC2827 AND HSI EC2828 AND HSI EC2829 AND HSI EC2830 AND HSI EC2831 AND HSI EC2832 AND HSI EC2833 AND HSI EC2834 AND HSI EC2835 AND HSI EC2836 AND HSI EC2837 AND HSI EC2838 AND HSI EC2839 AND HSI EC2840 AND HSI EC2841 AND HSI EC2842 AND HSI EC2843 AND HSI EC2844 AND HSI EC2845 AND HSI EC2846 AND HSI EC2847 AND HSI EC2848 AND HSI EC2849 AND HSI EC2850 AND HSI EC2851 AND HSI EC2852 AND HSI EC2853 AND HSI EC2854 AND HSI EC2855 AND HSI EC2856 AND HSI EC2857 AND HSI EC2858 AND HSI EC2859 AND HSI EC2860 AND HSI EC2861 AND HSI EC2862 AND HSI EC2863 AND HSI EC2864 AND HSI EC2865 AND HSI EC2866 AND HSI EC2867 AND HSI EC2868 AND HSI EC2869 AND HSI EC2870 AND HSI EC2871 AND HSI EC2872 AND HSI EC2873 AND HSI EC2874 AND HSI EC2875 AND HSI EC2876 AND HSI EC2877 AND HSI EC2878 AND HSI EC2879 AND HSI EC2880 AND HSI EC2881 AND HSI EC2882 AND HSI EC2883 AND HSI EC2884 AND HSI EC2885 AND HSI EC2886 AND HSI EC2887 AND HSI EC2888 AND HSI EC2889 AND HSI EC2890 AND HSI EC2891 AND HSI EC2892 AND HSI EC2893 AND HSI EC2894 AND HSI EC2895 AND HSI EC2896 AND HSI EC2897 AND HSI EC2898 AND HSI EC2899 AND HSI EC2900 AND HSI EC2901 AND HSI EC2902 AND HSI EC2903 AND HSI EC2904 AND HSI EC2905 AND HSI EC2906 AND HSI EC2907 AND HSI EC2908 AND HSI EC2909 AND HSI EC2910 AND HSI EC2911 AND HSI EC2912 AND HSI EC2913 AND HSI EC2914 AND HSI EC2915 AND HSI EC2916 AND HSI EC2917 AND HSI EC2918 AND HSI EC2919 AND HSI EC2920 AND HSI EC2921 AND HSI EC2922 AND HSI EC2923 AND HSI EC2924 AND HSI EC2925 AND HSI EC2926 AND HSI EC2927 AND HSI EC2928 AND HSI EC2929 AND HSI EC2930 AND HSI EC2931 AND HSI EC2932 AND HSI EC2933 AND HSI EC2934 AND HSI EC2935 AND HSI EC2936 AND HSI EC2937 AND HSI EC2938 AND HSI EC2939 AND HSI EC2940 AND HSI EC2941 AND HSI EC2942 AND HSI EC2943 AND HSI EC2944 AND HSI EC2945 AND HSI EC2946 AND HSI EC2947 AND HSI EC2948 AND HSI EC2949 AND HSI EC2950 AND HSI EC2951 AND HSI EC2952 AND HSI EC2953 AND HSI EC2954 AND HSI EC2955 AND HSI EC2956 AND HSI EC2957 AND HSI EC2958 AND HSI EC2959 AND HSI EC2960 AND HSI EC2961 AND HSI EC2962 AND HSI EC2963 AND HSI EC2964 AND HSI EC2965 AND HSI EC2966 AND HSI EC2967 AND HSI EC2968 AND HSI EC2969 AND HSI EC2970 AND HSI EC2971 AND HSI EC2972 AND HSI EC2973 AND HSI EC2974 AND HSI EC2975 AND HSI EC2976 AND HSI EC2977 AND HSI EC2978 AND HSI EC2979 AND HSI EC2980 AND HSI EC2981 AND HSI EC2982 AND HSI EC2983 AND HSI EC2984 AND HSI EC2985 AND HSI EC2986 AND HSI EC2987 AND HSI EC2988 AND HSI EC2989 AND HSI EC2990 AND HSI EC2991 AND HSI EC2992 AND HSI EC2993 AND HSI EC2994 AND HSI EC2995 AND HSI EC2996 AND HSI EC2997 AND HSI EC2998 AND HSI EC2999 AND HSI EC3000			

LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1165 MW INSTALLATION
FLOW DIAGRAM
COMPONENT CLOSED COOLING WATER SYSTEM
CBASCO SERVICES INCORPORATED
SCALE NONE
REV. MECH
DR. FLAUBERT
CH. L. SCHROEDER
RELEASED BY: SBR/STN
DATE: 7-8-93
G160
SH4



WET COOLING TOWER 'B' CHEMICAL ADDITION AND FILTRATION SYSTEM

CCW FILTRATION SYSTEM

F.W. FILTER NUMBER	X1	X2	X3	X4	QPL
F1	COMPL1001	CC968	CC969	CC981	CC989
F2	COMPL1002	CC970	CC971	CC972	CC973
F3	COMPL1003	CC974	CC975	CC976	CC977
F4	COMPL1004	CC978	CC979	CC980	CC981
F5	COMPL1005	CC982	CC983	CC984	CC985
F6	COMPL1006	CC986	CC987	CC988	CC989
F7	COMPL1007	CC990	CC991	CC992	CC993
F8	COMPL1008	CC994	CC995	CC996	CC997
F9	COMPL1009	CC998	CC999	CC1000	CC1001
F10	COMPL1010	CC1002	CC1003	CC1004	CC1005
F11	COMPL1011	CC1006	CC1007	CC1008	CC1009
F12	COMPL1012	CC1010	CC1011	CC1012	CC1013

NUCLEAR SAFETY RELATED

NOTES

- FOR DETAILS, NOTES AND REFERENCE DRAWING SEE G-160 SH 1
- VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND OPERATIONS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

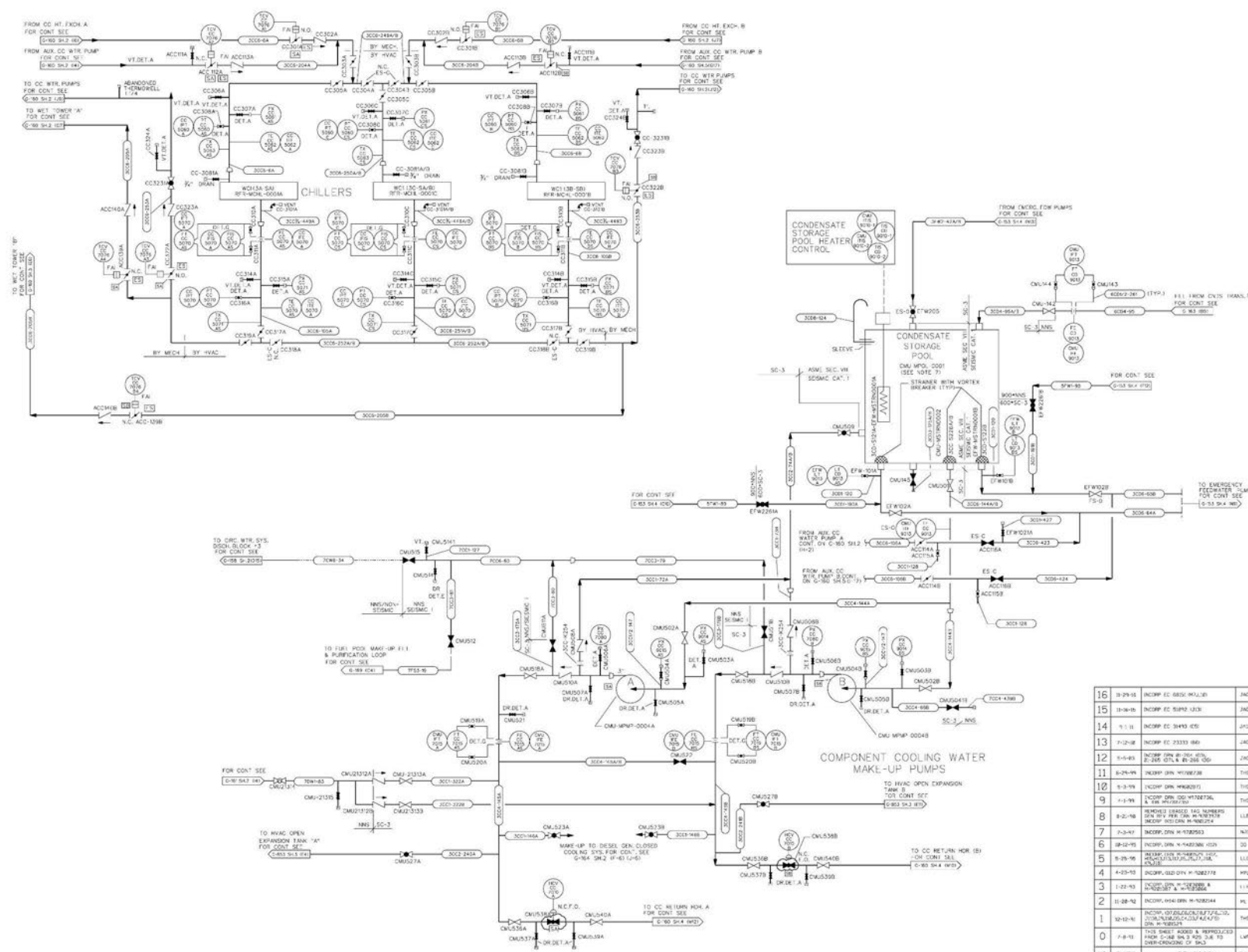
NO.	DATE	REVISION	BY	CH	RELEASED
22	01-17-71	INSTR. DESIG. BY 74	JAG	MS	MS
21	4-18-70	INSTR. DESIG. BY 83	JAG	MSJ	MSJ
20	7-10-69	INSTR. DESIG. BY 77	JAG	MS	MS
19	11-9-68	INSTR. REV. BY 87	JAG	MS	MS
18	12-11-67	INSTR. REV. BY 83	MSJ	JAG	JAG
17	5-21-66	INSTR. DWN. BY 74	JAG	MS	MS
16	5-4-66	INSTR. DWN. BY 87	JAG	MS	MS
15	4-17-66	REV. REV. FOR 80N-100078	LJJ	JAG	MS

THIS DRAWING ALSO EXISTS AS P&ID FIGURE 9.2-3 SH 5

LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1165 MW INSTALLATION

FLOW DIAGRAM
COMPONENT COOLED WATER SYSTEM
EBASCO SERVICES INCORPORATED

SCALE	NOTE	RELEASED	DATE
DIV. MEDS.	SARDIERS		7-8-76
DR. V. BARBER			G160
CH. J. SCHNEIDER			SH 5



NOTES:
 FOR DETAILS, NOTES AND REFERENCE DWS
 SEE DWS 511
 VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY,
 AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS
 AND LOCKING REQUIREMENTS ARE SPECIFIED BY
 OPERATIONS DEPARTMENT PROCEDURES.

16	9-29-88	INSTR EC 8803 M4.1.01	JAC	DD	33
15	11-16-88	INSTR EC 8810 1.33	JAC	DD	33
14	1-11-88	INSTR EC 8843 1.05	JPS	EDJ	33
13	7-12-88	INSTR EC 8833 1.00	JAC	DD	33
12	5-4-88	INSTR DWS 88-001-001-001 2-285 071 & 88-268 030	ZAC	THS	NU
11	8-24-88	INSTR DWS 88-001-001-001	THS	RJC	TH
10	1-3-88	[INSTR DWS 88-001-001-001]	THS	RJC	N/A
9	1-1-88	[INSTR DWS 88-001-001-001]	THS	RJC	TH
8	8-25-88	INSTR 88-001-001-001-001 INSTR 88-001-001-001-001	LLB	RJC	ATK
7	3-3-87	INSTR DWS 88-001-001-001	NAR	RJC	CEP
6	8-12-85	INSTR DWS 88-001-001-001	DD	LLB	NAR
5	8-29-85	INSTR DWS 88-001-001-001	LLB	MPL	TH
4	4-23-85	INSTR DWS 88-001-001-001	MPL	LLB	PRO
3	1-22-85	INSTR DWS 88-001-001-001	LLB	MPL	DEC
2	11-28-82	INSTR 88-001-001-001-001	ML	LLB	RJC
1	10-12-81	INSTR 88-001-001-001-001	THS	DD	MPL

NUCLEAR SAFETY
 RELATED

THIS DRAWING ALSO EXISTS AS
 FSAR FIGURE 4.2.1.54 G

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD 5-E-S, UNIT NO. 3
 1165 MW INSTALLATION

COMPONENT CLOSED COOLING WATER SYSTEM

FRASCO SERVICES INCORPORATED

SCALE: NONE

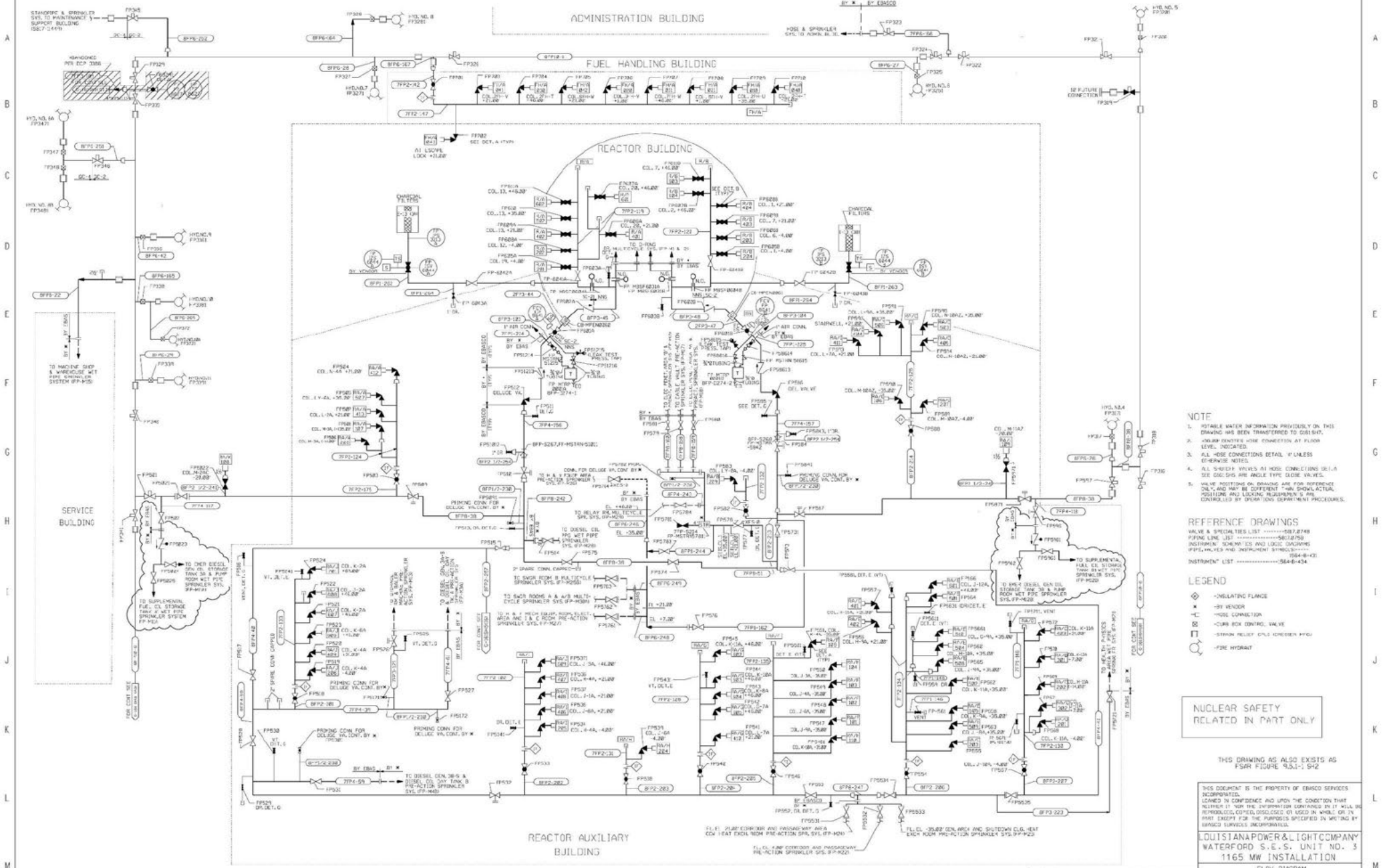
RELEASED

DATE 7-8-91

DR. L. FISCHER
 CH. SCHNEIDER

G160
 SH. 6

NO.	DATE	REVISION	BY	CH	RELEASED
0	7-8-91	THIS SHEET ADDED & REPRODUCED FROM DWS 88-001-001-001 TO OVER-CORRECTING OF SH-3	LWT	JAS	SHI



NOTE

1. STABLE WATER INFORMATION PREVIOUSLY ON THIS DRAWING HAS BEEN TRANSFERRED TO G16B.D.
2. VALVE CONNECTIONS ARE CONNECTIONS AT FLOOR LEVEL, INDICATED.
3. ALL HOSE CONNECTIONS DETAIL 'W' UNLESS OTHERWISE NOTED.
4. ALL SHARED VALVES AT HOSE CONNECTIONS SHALL BE 600 PSI AIR RANGLE TYPE GLOBE VALVES.
5. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN ACTUAL POSITIONS AND LOCKING MECHANISMS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

REFERENCE DRAWINGS

VALVE & SPECIALTES LIST - 587-8749
 INSTRUMENT SYMBOLS AND LOGIC DIAGRAMS - 584-8-03
 INSTRUMENT LIST - 584-8-03

LEGEND

- ◆ - INSULATING FLANGE
- BY VENDOR
- HOSE CONNECTION
- CUM BOX CONTROL VALVE
- SPRINK RELIEF VALVE (EXCEPT HYD)
- HYDRANT

NUCLEAR SAFETY RELATED IN PART ONLY

THIS DRAWING ALSO EXISTS AS FSAR FIGURE 9.5.1-9/2

THIS DOCUMENT IS THE PROPERTY OF EBASCO SERVICES INCORPORATED. LOANED IN CONFIDENCE AND UNDER THE CONDITION THAT REPRODUCTION, COPIES, DISCLOSED OR USED IN WHOLE OR IN PART EXCEPT FOR THE PURPOSES SPECIFIED IN WRITING BY EBASCO SERVICES INCORPORATED.

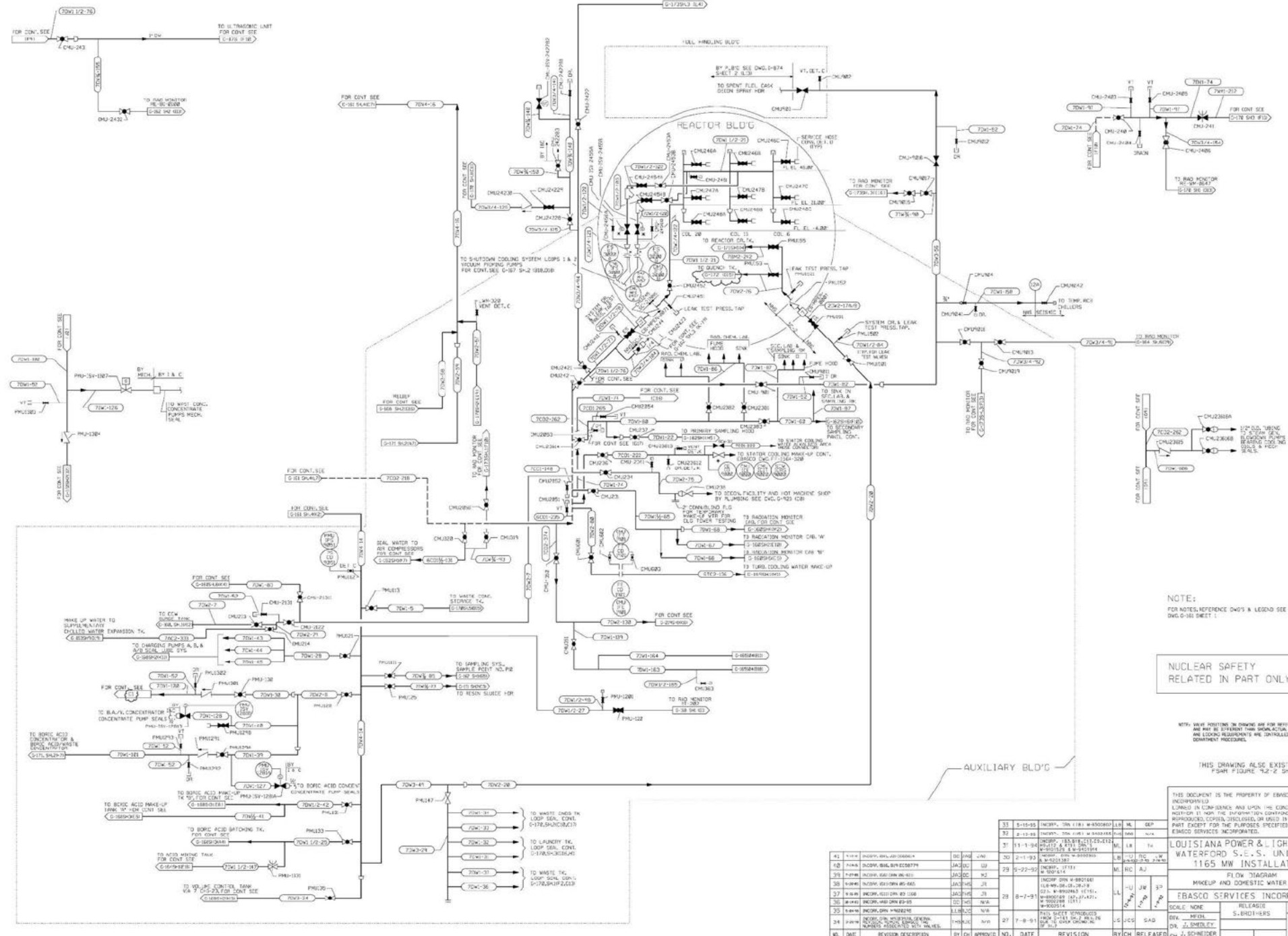
LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1165 MW INSTALLATION

FLOW DIAGRAM
FIRE MAKE-UP & DOMESTIC WATER SYSTEMS
INCORPORATED

SCALE: N/A
 RELEASED DATE: 7-8-93
 BY: J. MEDLEY
 J. REESE
 BROTHERS
 G161
 SH. 1

NO.	DATE	REVISION	BY	CH	APPROVED	NO.	DATE	REVISION	BY	CH	APPROVED	NO.	DATE	REVISION	BY	CH	APPROVED
38	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD	34	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD	31	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD
37	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD	33	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD	30	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD
36	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD	32	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD	29	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD
35	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD	31	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD	28	8-8-93	INCOMP. DR. 2249 (1)	JAC	DC	DD

G161 SH.2



NOTE:
FOR NOTES REFERENCE DWG'S & LEGEND SEE
DWG. G-161 SHEET 1

NUCLEAR SAFETY
RELATED IN PART ONLY

WITH VAVE POSITIONS IN DRAWING ARE FOR REFERENCE ONLY.
AND MAY BE DIFFERENT FROM PHYSICAL POSITIONS.
AND LOCUS REQUIREMENTS ARE CONTROLLED BY QUALITY
DEPARTMENT PROCEDURE.

THIS DRAWING ALSO EXISTS AS
FSM# FIGURE 9-2-2 SH1

THIS DOCUMENT IS THE PROPERTY OF EBASCO SERVICES
INCORPORATED. LOANED TO CONTRACTOR AND UPON THE COMPLETION THEREOF
RETURN TO EBASCO SERVICES INCORPORATED. IT SHALL BE
REPRODUCED, COPIED, REPRODUCED OR USED IN WHOLE OR IN
PART EXCEPT FOR THE PURPOSES SPECIFIED IN WRITING BY
EBASCO SERVICES INCORPORATED.

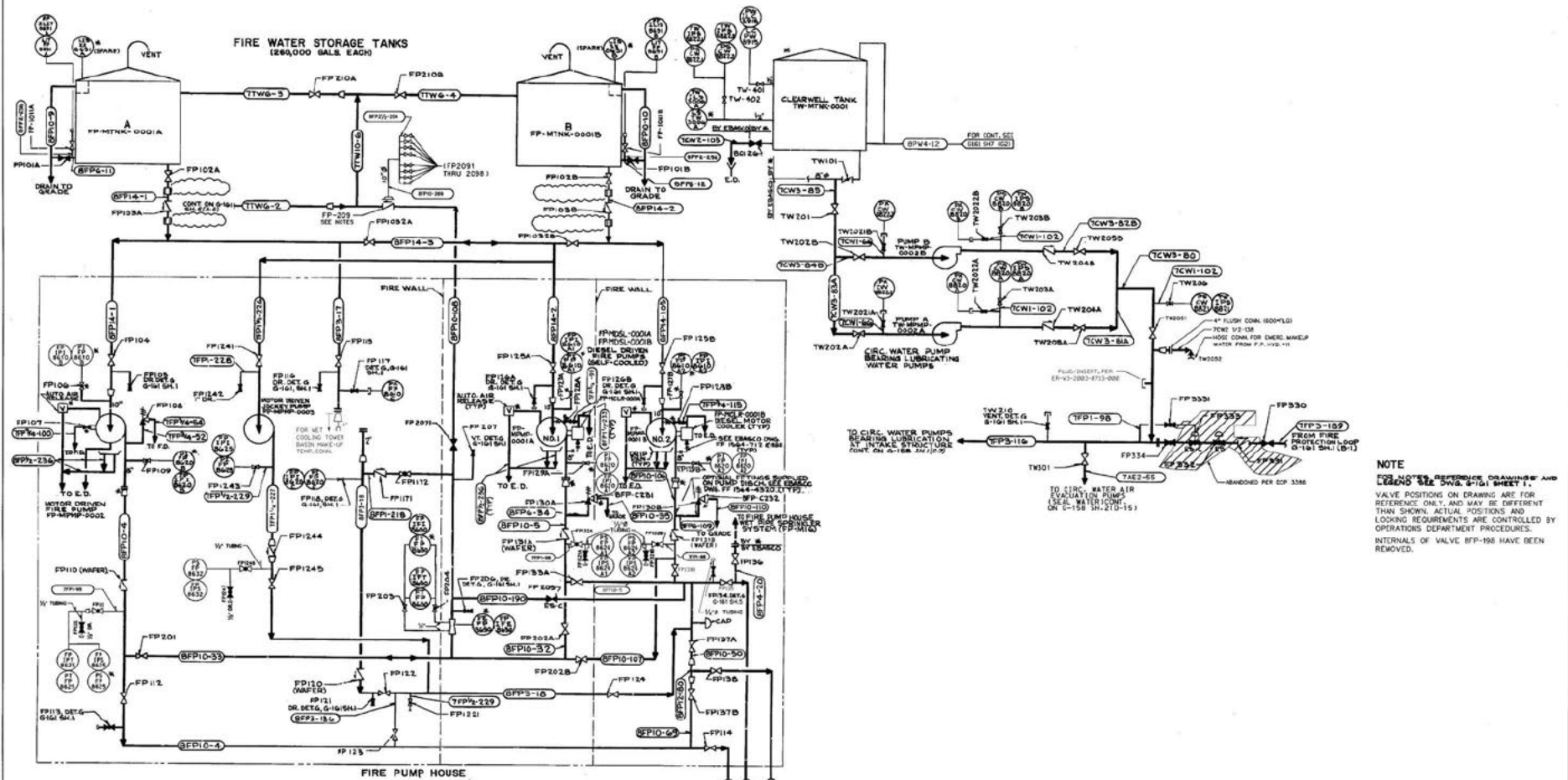
LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1165 MW INSTALLATION

FLOW DIAGRAM
MAKEUP AND DOMESTIC WATER SYSTEMS
EBASCO SERVICES INCORPORATED

SCALE: NONE RELEASED DATE 1-8-91
BY: J. SMOLEY S-BRDTHRS
CHK: J. SMOLEY
OIG: J. SMOLEY
SH.2

NO.	DATE	REVISION DESCRIPTION	BY	CHK	APP'D	NO.	DATE	REVISION	BY	CHK	RELEASED
31	5-13-85	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
32	2-13-85	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
37	11-1-84	INSTR. 185 (1) & 185(2) (1)	ML	SEP							
38	2-11-84	INSTR. 185 (1) & 185(2) (1)	ML	SEP							
39	5-22-85	INSTR. 171 (1) & 171(2) (1)	ML	SEP							
41	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
42	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
43	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
44	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
45	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
46	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
47	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
48	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
49	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
50	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
51	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
52	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
53	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
54	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
55	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
56	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
57	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
58	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
59	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							
60	4-1-84	INSTR. 106 (1) & 106(2) (1)	ML	SEP							

G 161543



NOTE
 FOR NOTES, REFERENCE DRAWINGS AND LEGENDS SEE DWG. 4-101 SHEET 1.
 VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 INTERNALS OF VALVE BPP-198 HAVE BEEN REMOVED.

THIS DRAWING ALSO EXISTS AS
 FIRE MAKE-UP 4-101

THIS DWG. INCORPORATES (1) 4-101 REV. 4-4-81;
 (2) 4-101 REV. 4-10-81; (3) DEN-MP-152;
 ADDED (GENERAL) L.P.L. UNID. NUMBERS.

11	1-18-81	INCORP. EC 22273 (02.07)	TAJ	DD
12	2-18-81	INCORP. EC 19580 (2.01)	TAJ	DD
13	2-17-81	INCORP. EC 526	TAJ	DD
14	4-29-81	INCORP. DEN M-102844 (04.29.81) TO REMOVE 315, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000		

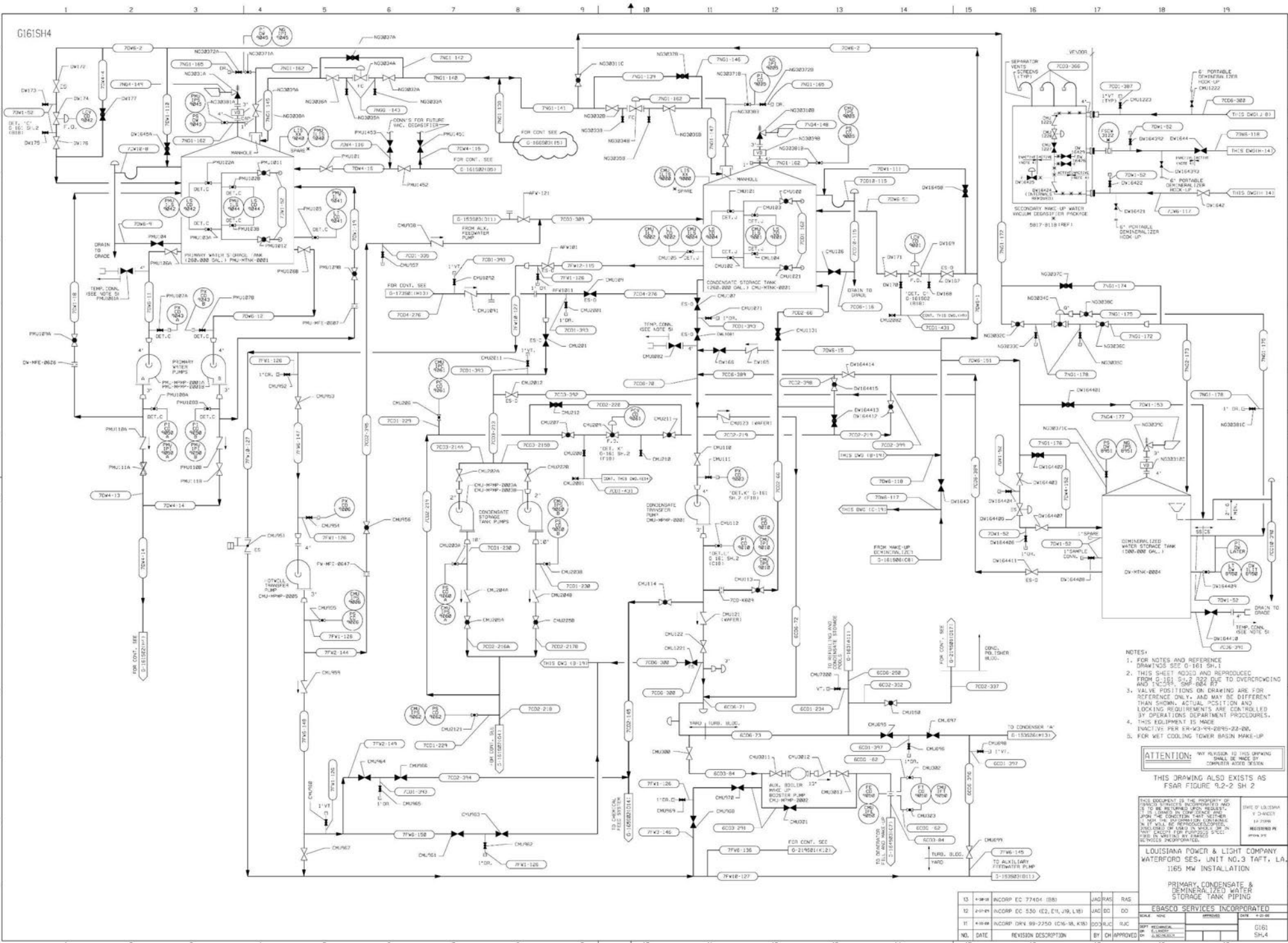
ENTEGY WATERFORD S.E. UNIT NO. 3
 765 MW INSTALLATION

**FLOW DIAGRAM
 FIRE MAKE-UP &
 DOMESTIC WATER SYSTEMS**

DEPT. NO. APPROVED DATE: 1-25-83
 DESIGNED BY: JIM P. EVANS
 CHECKED BY: JIM JIM JAU BFF
 DATE: 1-25-83

SH. 3

G161SH4



- NOTES:
1. FOR NOTES AND REFERENCE DRAWINGS SEE D-161 SH.1
 2. THIS SHEET ADDED AND REPRODUCED FROM D-161 SH.2, 222 DUE TO OVERCROWDING
 3. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITION AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 4. THIS EQUIPMENT IS MADE INACTIVE PER SR-93-94-2895-22-02.
 5. FOR WET COOLING TOWER BASIN MAKE-UP

ATTENTION: ANY REVISION TO THIS DRAWING SHALL BE MADE BY COMPUTER AIDED DESIGN

THIS DRAWING ALSO EXISTS AS FSAR FIGURE 9.2-2 SH 2

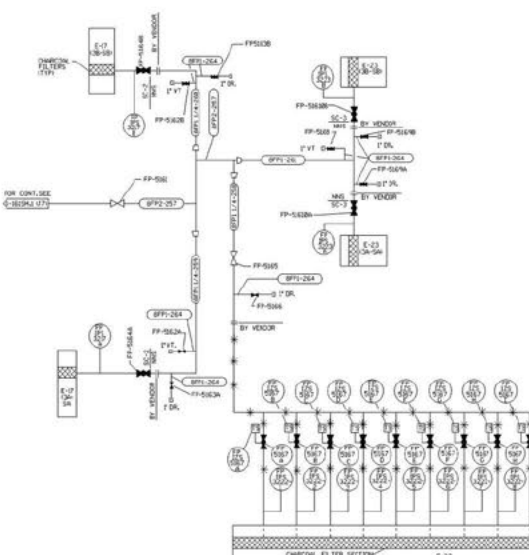
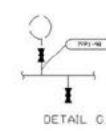
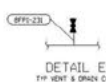
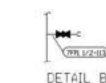
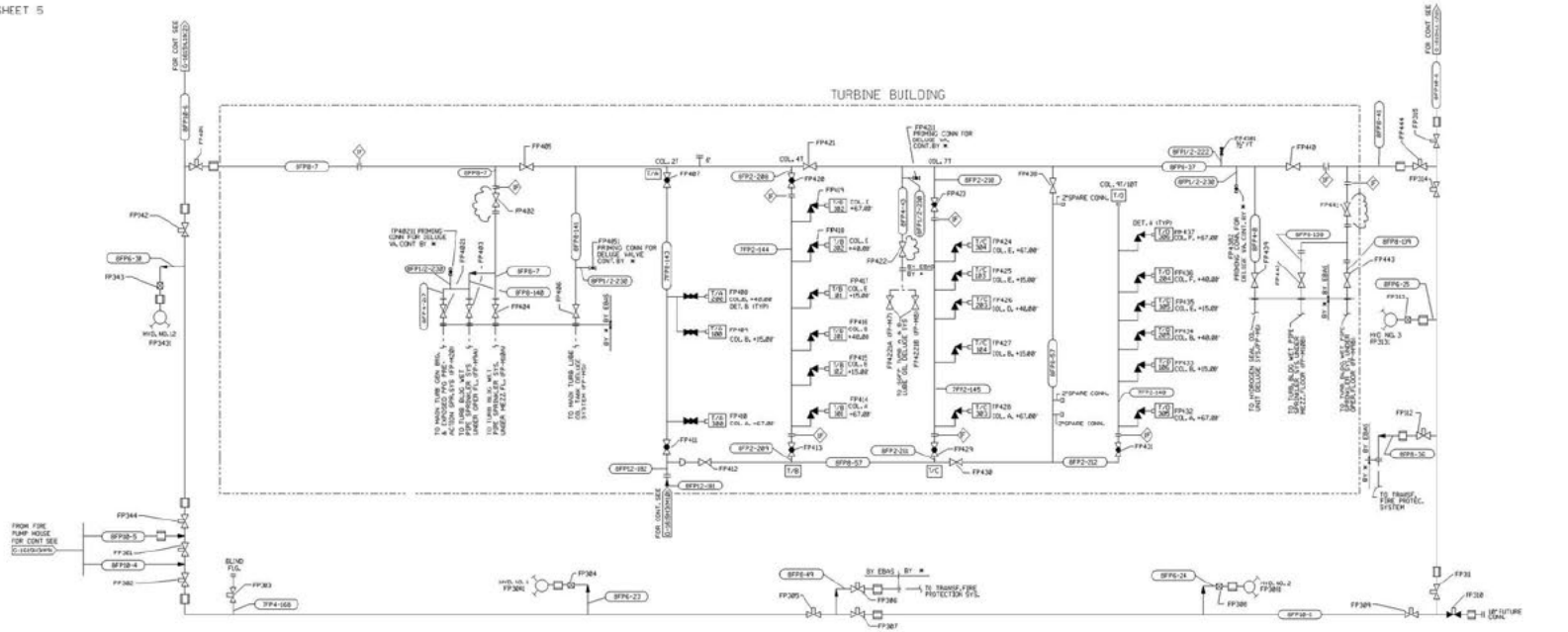
THIS DOCUMENT IS THE PROPERTY OF LOUISIANA POWER & LIGHT COMPANY. IT IS TO BE RETURNED TO THE COMPANY OFFICE AT THE ADDRESS BELOW UPON REQUEST. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF LOUISIANA POWER & LIGHT COMPANY.

LOUISIANA POWER & LIGHT COMPANY
WATERFORD SES. UNIT NO.3 TAFT, LA.
1165 MW INSTALLATION

PRIMARY CONDENSATE & DEMINERALIZED WATER STORAGE TANK PIPING

13	+	W	ACORP	EC 77404 (08)	JAG/RAS	RAS
12	+	W	ACORP	EC 530 (E2, E1, J9, L8)	JAC	DO
11	+	W	ACORP	DM 89-2750 (C16-16, K16)	DOO/RJC	RJC
NO. DATE				REVISION DESCRIPTION	BY	APPROVED

TURBINE BUILDING



REFERENCE DRAWINGS
SEE ENG-00-SU

- LEGEND
- ◆ INSULATING FLANGE
 - ⊕ BY VENDOR
 - HOSE CONNECTION
 - FIRE HYD. CONTROL VALVE
 - STRAIN RELIEF O-RING PRESSURE MFG.
 - FIRE HYDRANT

NOTES

- 1. HOSE CONNECTIONS HOSE CONNECTION AT FLOOR LEVEL INDICATED.
- 2. ALL HOSE CONNECTIONS SHALL BE UNLESS OTHERWISE NOTED.
- 3. ALL SHUTOFF VALVES AT HOSE CONNECTIONS DET. A ARE ANGLE TYPE GLOBE VALVES.
- 4. VALVE IDENTIFICATION ON DRAWING ARE FOR REFERENCE ONLY AND MAY BE DIFFERENT THAN SHOWN ACTUAL POSITIONS AND LOCATIONS. IDENTIFICATION ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

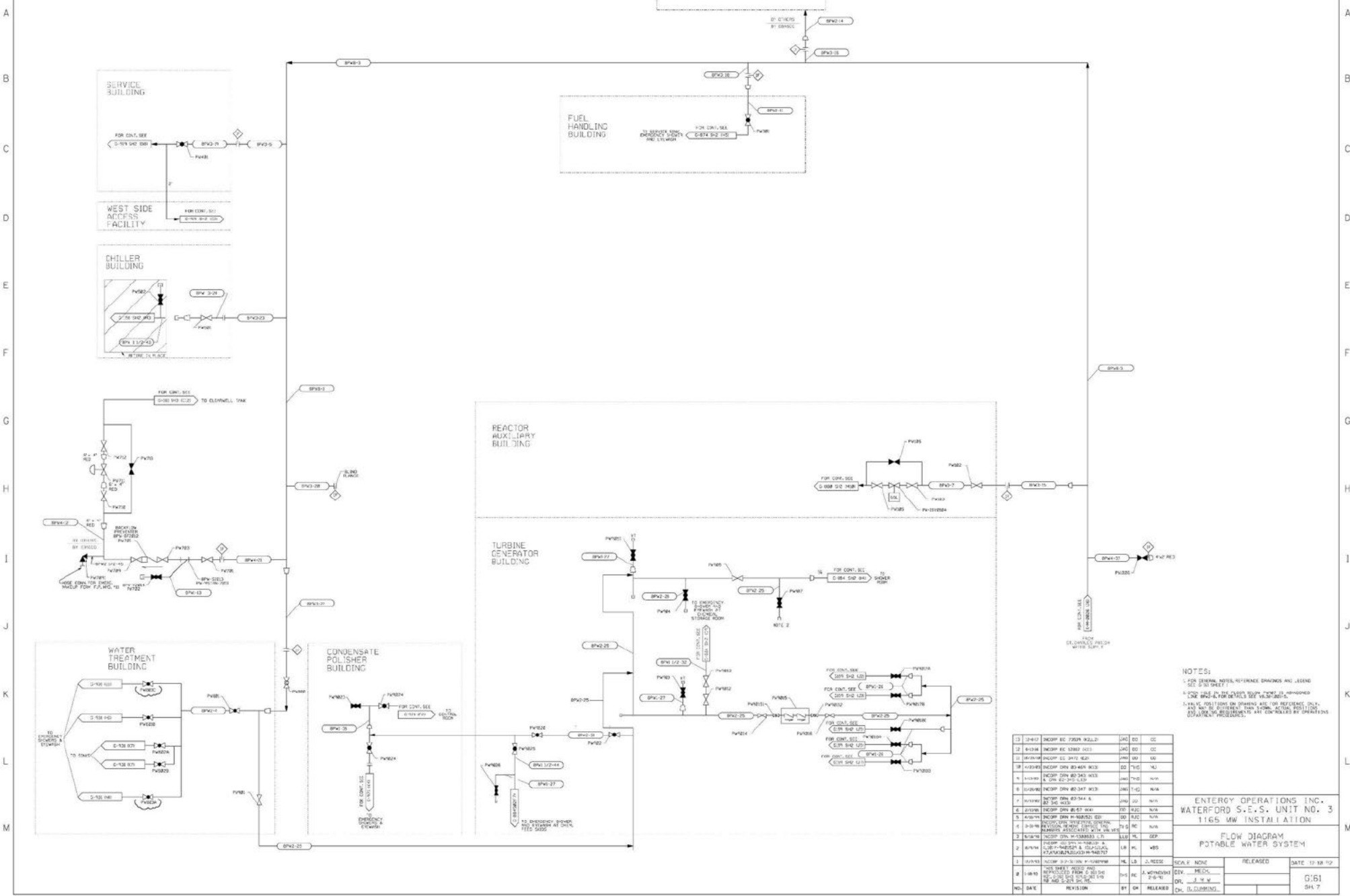
THIS DWG. ALSO EXISTS AT PSAR FIGURE 9.5.1-1-1 SH-3

THIS DOCUMENT IS THE PROPERTY OF EBASCO SERVICES INCORPORATED. LOANED IN CONFIDENCE AND UPON THE CONDITION THAT THE RECIPIENT WILL NOT DISSEMINATE OR REPRODUCE THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF EBASCO SERVICES INCORPORATED.

LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1165 MW INSTALLATION
FIRE, MAKE-UP & DOMESTIC WATER SYSTEMS

NO.	DATE	REVISION	BY	CHKD.	APP'D.	SCALE	RELEASED	DATE
1	10-10-00	ISSUE FOR CONSTRUCTION	DR.	J. WHELAN	DR.	1:1	10-10-00	10-10-00
2	10-10-00	ISSUE FOR CONSTRUCTION	DR.	J. WHELAN	DR.	1:1	10-10-00	10-10-00
3	10-10-00	ISSUE FOR CONSTRUCTION	DR.	J. WHELAN	DR.	1:1	10-10-00	10-10-00
4	10-10-00	ISSUE FOR CONSTRUCTION	DR.	J. WHELAN	DR.	1:1	10-10-00	10-10-00
5	10-10-00	ISSUE FOR CONSTRUCTION	DR.	J. WHELAN	DR.	1:1	10-10-00	10-10-00

SCALE NONE
REV. NO. 5
DATE 10-10-00
C161
SH-5



NOTES:
 1- FOR GENERAL NOTES, REFERENCE DRAWINGS AND LEGEND SEE 530 SHEET 1.
 2- FOR PUMP AND VALVE DETAILS SEE 4630 SHEETS.
 3- FLOW DIRECTIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN ACTUAL POSITIONS OF VALVES AND DEVICES. ALL ARE CONTROLLED BY OPERATIONS STANDBY PROCEDURES.

13	2/4/07	INCOMP. EC 7/25/07	ML	LS	JL	CC
12	8/13/04	INCOMP. EC 10/02/03	ML	ED	JL	CC
11	8/13/04	INCOMP. EC 10/02/03	ML	ED	JL	CC
10	4/22/04	INCOMP. DWN 8/3/04	ML	ED	JL	CC
9	4/13/04	INCOMP. DWN 8/2/04	ML	ED	JL	CC
8	10/28/04	INCOMP. DWN 8/2/04	ML	ED	JL	CC
7	10/28/04	INCOMP. DWN 8/2/04	ML	ED	JL	CC
6	10/28/04	INCOMP. DWN 8/2/04	ML	ED	JL	CC
5	4/13/04	INCOMP. DWN 8/2/04	ML	ED	JL	CC
4	3/2/04	REVISION 10/20/03	ML	ED	JL	CC
3	8/13/04	INCOMP. DWN 8/2/04	ML	ED	JL	CC
2	8/13/04	INCOMP. DWN 8/2/04	ML	ED	JL	CC
1	8/13/04	INCOMP. DWN 8/2/04	ML	ED	JL	CC

ENERGY OPERATIONS INC.
 WATERFORD S.E.S. UNIT NO. 3
 1165 MW INSTALLATION

FLOW DIAGRAM
 POTABLE WATER SYSTEM

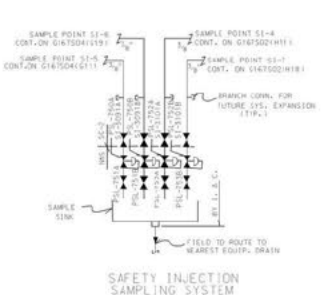
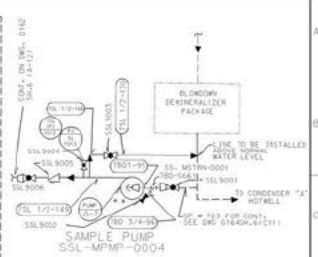
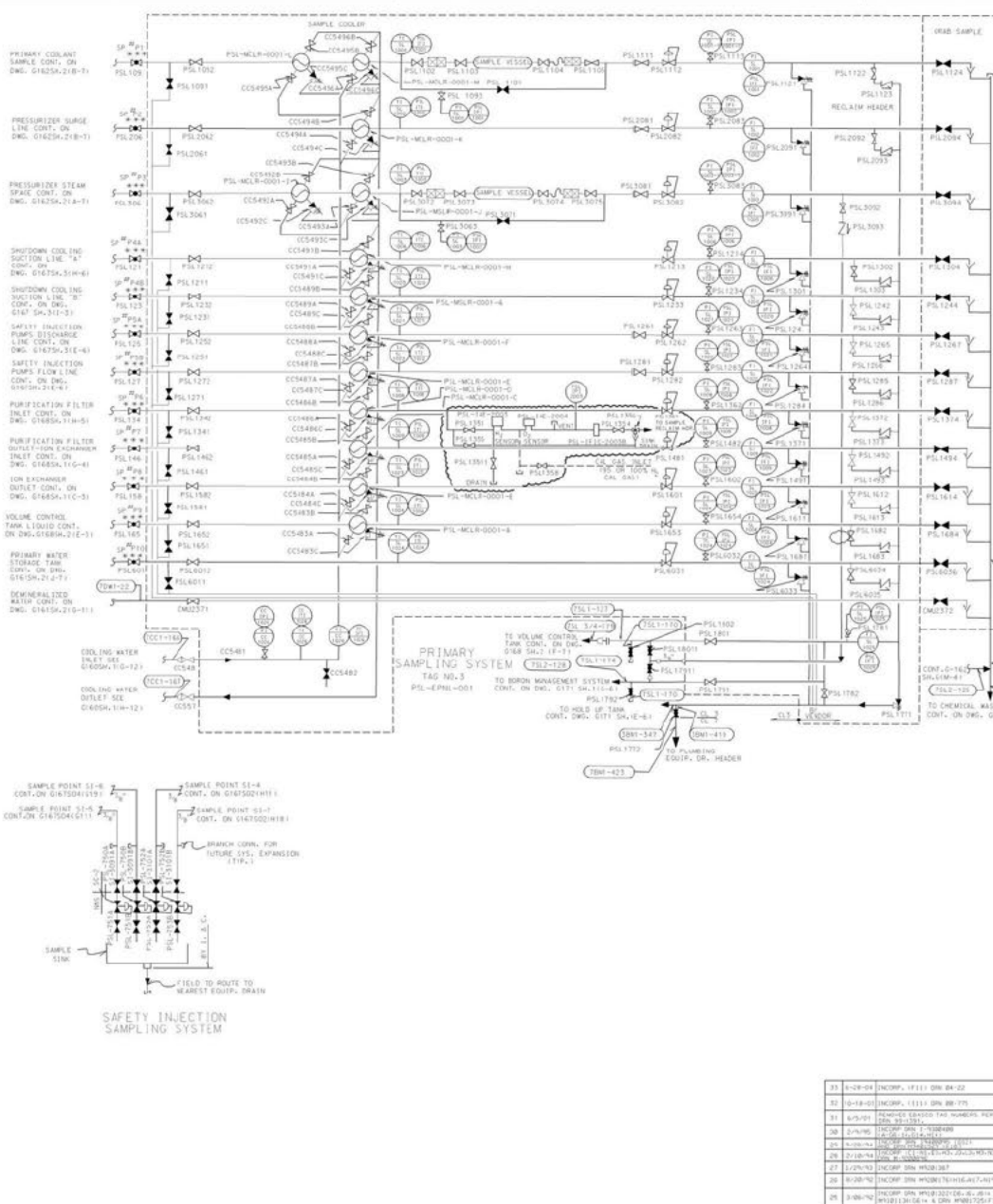
NO.	DATE	REVISION	BY	CHK	RELEASED	SCALE	NOTE
1	8/13/04	AS SHOWN	JL	JL	J. NESS		
2	8/13/04	REVISED FROM 2/20/04	ML	ML	A. WITKOWSKI		
3	8/13/04	REVISED FROM 2/20/04	ML	ML	J. M. W.		
4	8/13/04	REVISED FROM 2/20/04	ML	ML	J. M. W.		

DATE: 12-18-12
 G/BI
 SH 7

G162 SH-1

MICROMAX LPU
SSL 1A13001

TRANSMITTER RECORDER PANEL
TAG NO. 4



- REFERENCE DRAWINGS
- VALVES AND SPECIALTES LIST L00-917074 ARE
 - PIPING LINE LIST L00-5817, 575 ARE
 - 1564-0-151
 - FLOW DIAG.-STEAM AND EXTRACTION STEAM 1564-0-151
 - FLOW DIAG.-FEEDWATER-COOL-LEAK SVCS SYS. 1564-0-153
 - FLOW DIAG.-HEATER DRAIN & VENT SYS. 1564-0-155
 - FLOW DIAG.-SERVICE 2 INSTRUMENT AIR SYS. 1564-0-157
 - FLOW DIAG.-COMPONENT CLOSED COOLING WTR SYS. 1564-0-160
 - FLOW DIAG.-FIRE ALARM/IS DOMESTIC WTR SYS. 1564-0-161
 - FLOW DIAG.-CONTAINMENT SPRAY & REFUELING WATER STORAGE PDS. 1564-0-163
 - FLOW DIAG.-MISCELLANEOUS REACTOR AIR SYS. 1564-0-163
 - FLOW DIAG.-SAFETY INJECTION SYS. 1564-0-164
 - FLOW DIAG.-CHEMICAL & VOLUME CONTROL SYS. 1564-0-168
 - FLOW DIAG.-WASTE MANAGEMENT SYS. 1564-0-170
 - FLOW DIAG.-BORON MANAGEMENT SYS. 1564-0-171
 - FLOW DIAG.-REACTOR-COOLANT SYS. 1564-0-172

NOTES:

- * SUPPLIED BY CE
- ** SUPPLIED BY VENDOR
- FOR ADDITIONAL NOTES SEE SH-2
- *** SUPPLIED BY 1" C

VALVE POSITIONS ON DRAWINGS ARE FOR REFERENCE ONLY AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS REPAIRMENT PROCEDURES.

NUCLEAR SAFETY RELATED IN PART ONLY

THIS DRAWING ALSO EXISTS AS
FSAR FIGURE 9.3-2 SH1

NO.	DATE	REV.	DESCRIPTION	BY	CHK.	APP.
23	8-29-84	INCORP.	1-F111 DND 84-22	JAK	NJC	N/A
22	8-18-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
21	8-15-84	REVISED	EXCISE THE POWERFLOW FROM 9-1-101	JAK	NJC	N/A
20	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
19	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
18	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
17	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
16	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
15	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
14	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
13	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
12	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
11	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
10	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
9	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
8	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
7	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
6	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
5	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
4	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
3	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
2	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A
1	8-14-84	INCORP.	1-1111 DND 84-176	JAK	NJC	N/A

THIS DOCUMENT IS THE PROPERTY OF EBASCO SERVICES INCORPORATED. IF IT IS LOANED IN WHOLE OR IN PART TO ANY OTHER PERSON OR ORGANIZATION, IT IS TO BE RETURNED TO THE LOANING OFFICE WITHIN 14 DAYS OF THE DATE OF LOAN. NO REPRODUCTION OR TRANSMISSION IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, IS PERMITTED WITHOUT THE WRITTEN PERMISSION OF EBASCO SERVICES INCORPORATED.

**LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1977 - 1165 MW INSTALLATION**

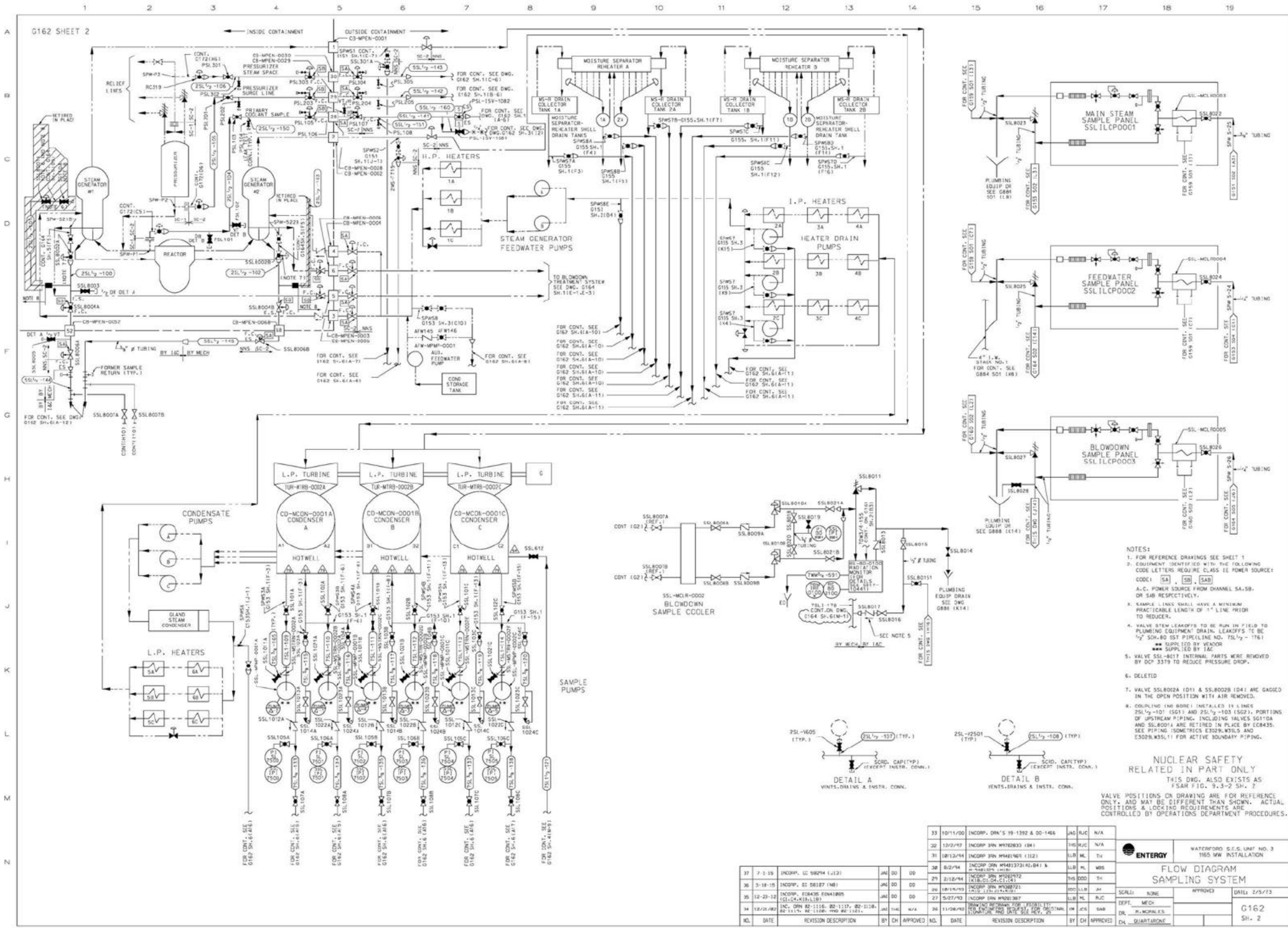
**FLOW DIAGRAM
SAMPLING SYSTEM**

EBASCO SERVICES INCORPORATED

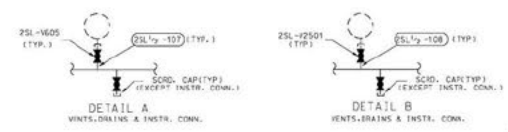
DATE	REV.	DESCRIPTION	BY	CHK.	APP.

G162
SHEET 1

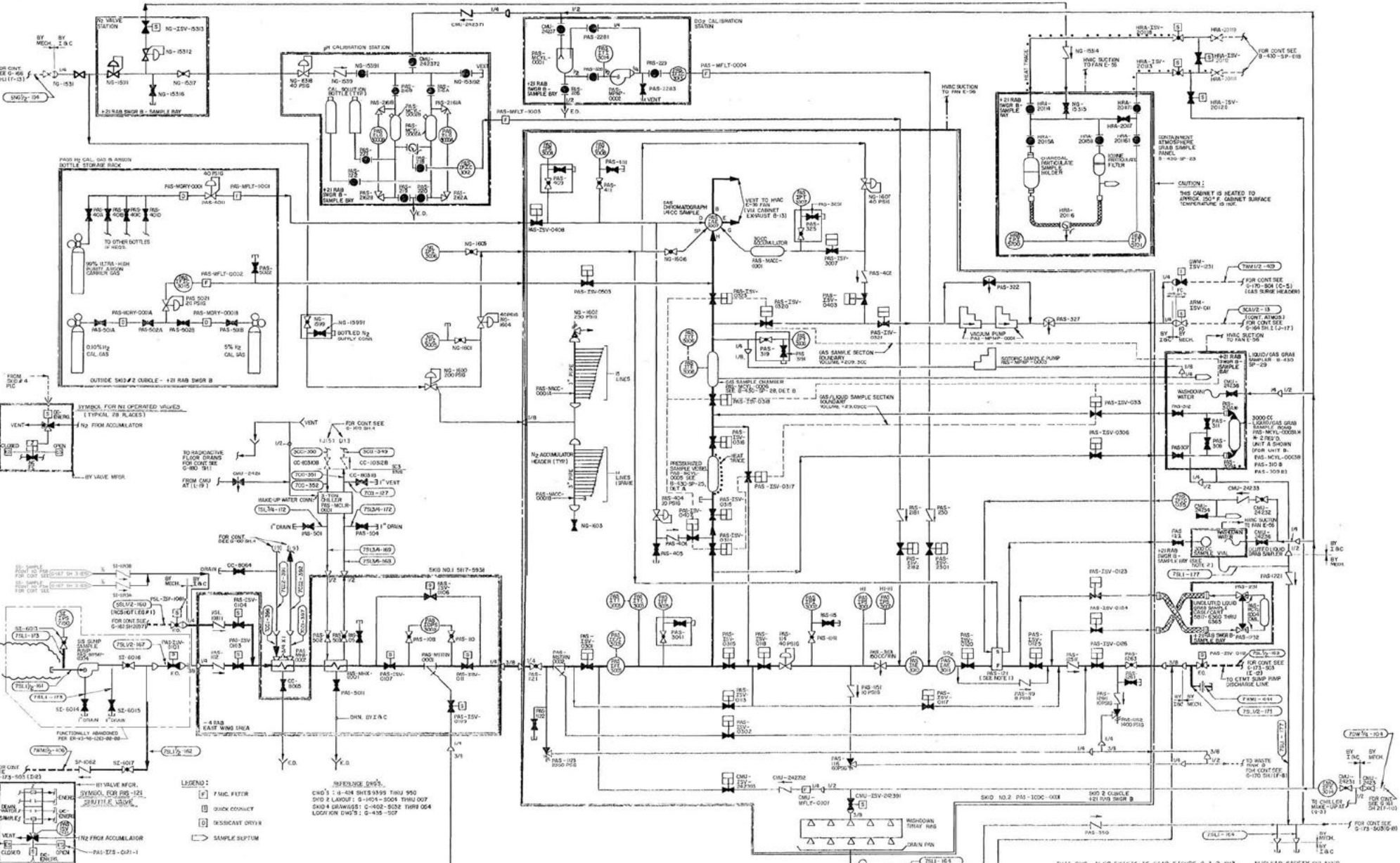
FILENAME: IDEAG



- NOTES:
- FOR REFERENCE DRAWINGS SEE SHEET 1.
 - EQUIPMENT IDENTIFIED WITH THE FOLLOWING CODE LETTERS REQUIRE CLASS TO POWER SOURCE: CODE: SA, SB, SAB
 - SAMPLE LINES SHALL HAVE A MINIMUM PRACTICABLE LENGTH OF 1' LINE PRIOR TO REDUCER.
 - VALVE STEM LEAKOFFS TO BE RUN IN FIELD TO PLUMBING EQUIP DRAIN. LEAKOFFS TO BE 1/2" SDR40 SST PIPELINE NO. 75L/2-1761 *** SUPPLIED BY VEKOR
 - VALVE SS1801 INTERNAL PARTS WERE REMOVED BY DCP 3379 TO REDUCE PRESSURE DROP.
 - DELETED
 - VALVE SS1802A (D1) & SS1802B (D4) ARE GAGGED IN THE OPEN POSITION WITH AIR REMOVED.
 - COUPLING (NO ROBE) INSTALLED IN LINE 25L/2-101 (S01) AND 25L/2-103 (S02), PORTIONS OF UPSTREAM PIPING, INCLUDING VALVES S0104 AND SS1801A ARE RETIRED IN PLACE BY 10435. SEE PIPING ISOMETRICS E5239, R515 AND E5262, R5511 FOR ACTIVE BOUNDARY PIPING.
- NUCLEAR SAFETY RELATED IN PART ONLY THIS Dwg. ALSO EXISTS AS FSAR FIG. 3.3-2 SH. 2
- VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS & LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.



33	10/11/00	INCORP. DRN'S 19-1392 & 00-1466	JAG	RJC	N/A
32	12/22/97	INCORP. DRN W472833 (E4)	116	RJC	N/A
31	01/12/94	INCORP. DRN W461969 (132)	116	ML	TH
30	8/2/94	INCORP. DRN W4413731 (R-04) & W4413732 (R-04)	116	ML	WBS
29	2/12/94	INCORP. DRN W432972 (R-01) & W432973 (R-01)	116	000	TH
28	10/14/93	INCORP. DRN W4282723 (R-01) & W4282724 (R-01)	116	000	TH
27	5/27/93	INCORP. DRN W400387	116	ML	RJC
26	11/29/90	DRN W400387 FOR PIPING TO BE INSTALLED AND INST. SEE REV. 26	116	000	TH
25	12/21/82	INC. DRN 82-1116, 82-1117, 82-1118, 82-1119, 82-1120, 82-1121, 82-1122, 82-1123, 82-1124, 82-1125, 82-1126, 82-1127, 82-1128, 82-1129, 82-1130, 82-1131, 82-1132, 82-1133, 82-1134, 82-1135, 82-1136, 82-1137, 82-1138, 82-1139, 82-1140, 82-1141, 82-1142, 82-1143, 82-1144, 82-1145, 82-1146, 82-1147, 82-1148, 82-1149, 82-1150, 82-1151, 82-1152, 82-1153, 82-1154, 82-1155, 82-1156, 82-1157, 82-1158, 82-1159, 82-1160, 82-1161, 82-1162, 82-1163, 82-1164, 82-1165, 82-1166, 82-1167, 82-1168, 82-1169, 82-1170, 82-1171, 82-1172, 82-1173, 82-1174, 82-1175, 82-1176, 82-1177, 82-1178, 82-1179, 82-1180, 82-1181, 82-1182, 82-1183, 82-1184, 82-1185, 82-1186, 82-1187, 82-1188, 82-1189, 82-1190, 82-1191, 82-1192, 82-1193, 82-1194, 82-1195, 82-1196, 82-1197, 82-1198, 82-1199, 82-1200, 82-1201, 82-1202, 82-1203, 82-1204, 82-1205, 82-1206, 82-1207, 82-1208, 82-1209, 82-1210, 82-1211, 82-1212, 82-1213, 82-1214, 82-1215, 82-1216, 82-1217, 82-1218, 82-1219, 82-1220, 82-1221, 82-1222, 82-1223, 82-1224, 82-1225, 82-1226, 82-1227, 82-1228, 82-1229, 82-1230, 82-1231, 82-1232, 82-1233, 82-1234, 82-1235, 82-1236, 82-1237, 82-1238, 82-1239, 82-1240, 82-1241, 82-1242, 82-1243, 82-1244, 82-1245, 82-1246, 82-1247, 82-1248, 82-1249, 82-1250, 82-1251, 82-1252, 82-1253, 82-1254, 82-1255, 82-1256, 82-1257, 82-1258, 82-1259, 82-1260, 82-1261, 82-1262, 82-1263, 82-1264, 82-1265, 82-1266, 82-1267, 82-1268, 82-1269, 82-1270, 82-1271, 82-1272, 82-1273, 82-1274, 82-1275, 82-1276, 82-1277, 82-1278, 82-1279, 82-1280, 82-1281, 82-1282, 82-1283, 82-1284, 82-1285, 82-1286, 82-1287, 82-1288, 82-1289, 82-1290, 82-1291, 82-1292, 82-1293, 82-1294, 82-1295, 82-1296, 82-1297, 82-1298, 82-1299, 82-1300, 82-1301, 82-1302, 82-1303, 82-1304, 82-1305, 82-1306, 82-1307, 82-1308, 82-1309, 82-1310, 82-1311, 82-1312, 82-1313, 82-1314, 82-1315, 82-1316, 82-1317, 82-1318, 82-1319, 82-1320, 82-1321, 82-1322, 82-1323, 82-1324, 82-1325, 82-1326, 82-1327, 82-1328, 82-1329, 82-1330, 82-1331, 82-1332, 82-1333, 82-1334, 82-1335, 82-1336, 82-1337, 82-1338, 82-1339, 82-1340, 82-1341, 82-1342, 82-1343, 82-1344, 82-1345, 82-1346, 82-1347, 82-1348, 82-1349, 82-1350, 82-1351, 82-1352, 82-1353, 82-1354, 82-1355, 82-1356, 82-1357, 82-1358, 82-1359, 82-1360, 82-1361, 82-1362, 82-1363, 82-1364, 82-1365, 82-1366, 82-1367, 82-1368, 82-1369, 82-1370, 82-1371, 82-1372, 82-1373, 82-1374, 82-1375, 82-1376, 82-1377, 82-1378, 82-1379, 82-1380, 82-1381, 82-1382, 82-1383, 82-1384, 82-1385, 82-1386, 82-1387, 82-1388, 82-1389, 82-1390, 82-1391, 82-1392, 82-1393, 82-1394, 82-1395, 82-1396, 82-1397, 82-1398, 82-1399, 82-1400, 82-1401, 82-1402, 82-1403, 82-1404, 82-1405, 82-1406, 82-1407, 82-1408, 82-1409, 82-1410, 82-1411, 82-1412, 82-1413, 82-1414, 82-1415, 82-1416, 82-1417, 82-1418, 82-1419, 82-1420, 82-1421, 82-1422, 82-1423, 82-1424, 82-1425, 82-1426, 82-1427, 82-1428, 82-1429, 82-1430, 82-1431, 82-1432, 82-1433, 82-1434, 82-1435, 82-1436, 82-1437, 82-1438, 82-1439, 82-1440, 82-1441, 82-1442, 82-1443, 82-1444, 82-1445, 82-1446, 82-1447, 82-1448, 82-1449, 82-1450, 82-1451, 82-1452, 82-1453, 82-1454, 82-1455, 82-1456, 82-1457, 82-1458, 82-1459, 82-1460, 82-1461, 82-1462, 82-1463, 82-1464, 82-1465, 82-1466, 82-1467, 82-1468, 82-1469, 82-1470, 82-1471, 82-1472, 82-1473, 82-1474, 82-1475, 82-1476, 82-1477, 82-1478, 82-1479, 82-1480, 82-1481, 82-1482, 82-1483, 82-1484, 82-1485, 82-1486, 82-1487, 82-1488, 82-1489, 82-1490, 82-1491, 82-1492, 82-1493, 82-1494, 82-1495, 82-1496, 82-1497, 82-1498, 82-1499, 82-1500, 82-1501, 82-1502, 82-1503, 82-1504, 82-1505, 82-1506, 82-1507, 82-1508, 82-1509, 82-1510, 82-1511, 82-1512, 82-1513, 82-1514, 82-1515, 82-1516, 82-1517, 82-1518, 82-1519, 82-1520, 82-1521, 82-1522, 82-1523, 82-1524, 82-1525, 82-1526, 82-1527, 82-1528, 82-1529, 82-1530, 82-1531, 82-1532, 82-1533, 82-1534, 82-1535, 82-1536, 82-1537, 82-1538, 82-1539, 82-1540, 82-1541, 82-1542, 82-1543, 82-1544, 82-1545, 82-1546, 82-1547, 82-1548, 82-1549, 82-1550, 82-1551, 82-1552, 82-1553, 82-1554, 82-1555, 82-1556, 82-1557, 82-1558, 82-1559, 82-1560, 82-1561, 82-1562, 82-1563, 82-1564, 82-1565, 82-1566, 82-1567, 82-1568, 82-1569, 82-1570, 82-1571, 82-1572, 82-1573, 82-1574, 82-1575, 82-1576, 82-1577, 82-1578, 82-1579, 82-1580, 82-1581, 82-1582, 82-1583, 82-1584, 82-1585, 82-1586, 82-1587, 82-1588, 82-1589, 82-1590, 82-1591, 82-1592, 82-1593, 82-1594, 82-1595, 82-1596, 82-1597, 82-1598, 82-1599, 82-1600, 82-1601, 82-1602, 82-1603, 82-1604, 82-1605, 82-1606, 82-1607, 82-1608, 82-1609, 82-1610, 82-1611, 82-1612, 82-1613, 82-1614, 82-1615, 82-1616, 82-1617, 82-1618, 82-1619, 82-1620, 82-1621, 82-1622, 82-1623, 82-1624, 82-1625, 82-1626, 82-1627, 82-1628, 82-1629, 82-1630, 82-1631, 82-1632, 82-1633, 82-1634, 82-1635, 82-1636, 82-1637, 82-1638, 82-1639, 82-1640, 82-1641, 82-1642, 82-1643, 82-1644, 82-1645, 82-1646, 82-1647, 82-1648, 82-1649, 82-1650, 82-1651, 82-1652, 82-1653, 82-1654, 82-1655, 82-1656, 82-1657, 82-1658, 82-1659, 82-1660, 82-1661, 82-1662, 82-1663, 82-1664, 82-1665, 82-1666, 82-1667, 82-1668, 82-1669, 82-1670, 82-1671, 82-1672, 82-1673, 82-1674, 82-1675, 82-1676, 82-1677, 82-1678, 82-1679, 82-1680, 82-1681, 82-1682, 82-1683, 82-1684, 82-1685, 82-1686, 82-1687, 82-1688, 82-1689, 82-1690, 82-1691, 82-1692, 82-1693, 82-1694, 82-1695, 82-1696, 82-1697, 82-1698, 82-1699, 82-1700, 82-1701, 82-1702, 82-1703, 82-1704, 82-1705, 82-1706, 82-1707, 82-1708, 82-1709, 82-1710, 82-1711, 82-1712, 82-1713, 82-1714, 82-1715, 82-1716, 82-1717, 82-1718, 82-1719, 82-1720, 82-1721, 82-1722, 82-1723, 82-1724, 82-1725, 82-1726, 82-1727, 82-1728, 82-1729, 82-1730, 82-1731, 82-1732, 82-1733, 82-1734, 82-1735, 82-1736, 82-1737, 82-1738, 82-1739, 82-1740, 82-1741, 82-1742, 82-1743, 82-1744, 82-1745, 82-1746, 82-1747, 82-1748, 82-1749, 82-1750, 82-1751, 82-1752, 82-1753, 82-1754, 82-1755, 82-1756, 82-1757, 82-1758, 82-1759, 82-1760, 82-1761, 82-1762, 82-1763, 82-1764, 82-1765, 82-1766, 82-1767, 82-1768, 82-1769, 82-1770, 82-1771, 82-1772, 82-1773, 82-1774, 82-1775, 82-1776, 82-1777, 82-1778, 82-1779, 82-1780, 82-1781, 82-1782, 82-1783, 82-1784, 82-1785, 82-1786, 82-1787, 82-1788, 82-1789, 82-1790, 82-1791, 82-1792, 82-1793, 82-1794, 82-1795, 82-1796, 82-1797, 82-1798, 82-1799, 82-1800, 82-1801, 82-1802, 82-1803, 82-1804, 82-1805, 82-1806, 82-1807, 82-1808, 82-1809, 82-1810, 82-1811, 82-1812, 82-1813, 82-1814, 82-1815, 82-1816, 82-1817, 82-1818, 82-1819, 82-1820, 82-1821, 82-1822, 82-1823, 82-1824, 82-1825, 82-1826, 82-1827, 82-1828, 82-1829, 82-1830, 82-1831, 82-1832, 82-1833, 82-1834, 82-1835, 82-1836, 82-1837, 82-1838, 82-1839, 82-1840, 82-1841, 82-1842, 82-1843, 82-1844, 82-1845, 82-1846, 82-1847, 82-1848, 82-1849, 82-1850, 82-1851, 82-1852, 82-1853, 82-1854, 82-1855, 82-1856, 82-1857, 82-1858, 82-1859, 82-1860, 82-1861, 82-1862, 82-1863, 82-1864, 82-1865, 82-1866, 82-1867, 82-1868, 82-1869, 82-1870, 82-1871, 82-1872, 82-1873, 82-1874, 82-1875, 82-1876, 82-1877, 82-1878, 82-1879, 82-1880, 82-1881, 82-1882, 82-1883, 82-1884, 82-1885, 82-1886, 82-1887, 82-1888, 82-1889, 82-1890, 82-1891, 82-1892, 82-1893, 82-1894, 82-1895, 82-1896, 82-1897, 82-1898, 82-1899, 82-1900, 82-1901, 82-1902, 82-1903, 82-1904, 82-1905, 82-1906, 82-1907, 82-1908, 82-1909, 82-1910, 82-1911, 82-1912, 82-1913, 82-1914, 82-1915, 82-1916, 82-1917, 82-1918, 82-1919, 82-1920, 82-1921, 82-1922, 82-1923, 82-1924, 82-1925, 82-1926, 82-1927, 82-1928, 82-1929, 82-1930, 82-1931, 82-1932, 82-1933, 82-1934, 82-1935, 82-1936, 82-1937, 82-1938, 82-1939, 82-1940, 82-1941, 82-1942, 82-1943, 82-1944, 82-1945, 82-1946, 82-1947, 82-1948, 82-1949, 82-1950, 82-1951, 82-1952, 82-1953, 82-1954, 82-1955, 82-1956, 82-1957, 82-1958, 82-1959, 82-1960, 82-1961, 82-1962, 82-1963, 82-1964, 82-1965, 82-1966, 82-1967, 82-1968, 82-1969, 82-1970, 82-1971, 82-1972, 82-1973, 82-1974, 82-1975, 82-1976, 82-1977, 82-1978, 82-1979, 82-1980, 82-1981, 82-1982, 82-1983, 82-1984, 82-1985, 82-1986, 82-1987, 82-1988, 82-1989, 82-1990, 82-1991, 82-1992, 82-1993, 82-1994, 82-1995, 82-1996, 82-1997, 82-1998, 82-1999, 82-2000, 82-2001, 82-2002, 82-2003, 82-2004, 82-2005, 82-2006, 82-2007, 82-2008, 82-2009, 82-2010, 82-2011, 82-2012, 82-2013, 82-2014, 82-2015, 82-2016, 82-2017, 82-2018, 82-2019, 82-2020, 82-2021, 82-2022, 82-2023, 82-2024, 82-2025, 82-2026, 82-2027, 82-2028, 82-2029, 82-2030, 82-2031, 82-2032, 82-2033, 82-2034, 82-2035, 82-2036, 82-2037, 82-2038, 82-2039, 82-2040, 82-2041, 82-2042, 82-2043, 82-2044, 82-2045, 82-2046, 82-2047, 82-2048, 82-2049, 82-2050, 82-2051, 82-2052, 82-2053, 82-2054, 82-2055, 82-2056, 82-2057, 82-2058, 82-2059, 82-2060, 82-2061, 82-2062, 82-2063, 82-2064, 82-2065, 82-2066, 82-2067, 82-2068, 82-2069, 82-2070, 82-2071, 82-2072, 82-2073, 82-2074, 82-2075, 82-2076, 82-2077, 82-2078, 82-2079, 82-2080, 82-2081, 82-2082, 82-2083, 82-2084, 82-2085, 82-2086, 82-2087, 82-2088, 82-2089, 82-2090, 82-2091, 82-2092, 82-2093, 82-2094, 82-2095, 82-2096, 82-2097, 82-2098, 82-2099, 82-2100, 82-2101, 82-2102, 82-2103, 82-2104, 82-2105, 82-2106, 82-2107, 82-2108, 82-2109, 82-2110, 82-2111, 82-2112, 82-2113, 82-2114, 82-2115, 82-2116, 82-2117, 82-2118, 82-2119, 82-2120, 82-2121, 82-2122, 82-2123, 82-2124, 82-2125, 82-2126, 82-2127, 82-2128, 82-2129, 82-2130, 82-2131, 82-2132, 82-2133, 82-2134, 82-2135, 82-2136, 82-2137, 82-2138, 82-2139, 82-2140, 82-2141, 82-2142, 82-2143, 82-2144, 82-2145, 82-2146, 82-2147, 82-2148, 82-2149, 82-2150, 82-2151, 82-2152, 82-2153, 82-2154, 82-2155, 82-2156, 82-2157, 82-2158, 82-2159, 82-2160, 82-2161, 82-2162, 82-2163, 82-2164, 82-2165, 82-2166, 82-2167, 82-2168, 82-2169, 82-2170, 82-2171, 82-2172, 82-2173, 82-2174, 82-2175, 82-2176, 82-2177, 82-2178, 82-2179, 82-2180, 82-2181, 82-2182, 82-2183, 82-2184, 82-2185, 82-2186, 82-2187, 82-2188, 82-2189, 82-2190, 82-2191, 82-2192, 82-2193, 82-2194, 82-2195, 82-2196, 82-2197, 82-2198, 82-2199, 82-2200, 82-2201, 82-2202, 82-2203, 82-2204, 82-2205, 82-2206, 82-2207, 82-2208, 82-2209, 82-2210, 82-2211, 82-2212, 82-2213, 82-2214, 82-2215, 82-2216, 82-2217, 82-2218, 82-2219, 82-2220, 82-2221, 82-2222, 82-2223, 82-2224, 82-2225, 82-2226, 82-2227, 82-2228, 82-2229, 82-2230, 82-2231, 82-2232, 82-2233, 82-2234, 82-2235, 82-2236, 82-2237, 82-2238, 82-2239, 82-2240, 82-2241, 82-2242, 82-2243, 82-2244, 82-2245, 82-2246, 82-2247, 82-2248, 82-2249, 82-2250, 82-2251, 82-2252, 82-2253, 82-2254, 82-2255, 82-2256, 82-2257, 82-2258, 82-2259, 82-2260, 82-2261, 82-2262, 82-2263, 82-2264, 82-2265, 82-2266, 82-2267, 82-2268, 82-2269, 82-2270, 82-2271, 82-2272, 82-2273, 82-2274, 82-2275, 82-2276, 82-2277, 82-2278, 82-2279, 82-2280, 82-2281, 82-2282, 82-2283, 82-2284, 82-2285, 82-2286, 82-2287, 82-2288, 82-2289, 82-2290, 82-2291, 82-2292, 82-2293, 82-2294, 82-2295, 82-2296, 82-2297, 82-2298, 82-2299, 82-2300, 82-2301, 82-2302, 82-2303, 82-2304, 82-2305, 82-2306, 82-2307, 82-2308, 82-2309, 82-2310, 82-2311, 82-2312, 82-2313, 82-2314, 82-2315, 82-2316, 82-2317, 82-2318, 82-2			



- 1.) PAS-121 OPERATES AS FOLLOWS:
- A) CLOSED ON-VENT/EXHAUST VALVE ALLOWS FLOW OF SAMPLER PLATE (FROM POSITION)
 - B) FOLLOWING APPROVED/ISSUED VALVE SEQUENCE 1. SAMPLER AT QUOT TO DETERMINE SAMPLE VOLUME (SAMPLE PROGRAM)
 - 2.) 1. SAMPLE VOLUME = 2.3130L (APPROXIMATE AVERAGE VOLUME)
 - 3. 0.00022 + 0.00002 OF OVERFLOW, MAXIMUM = 0.00024 (1.00000 RATIO).
 - 4.) MAXIMUM CAPACITY OF BUFFER, MAX. 0.00010 L @ 0.0.
- 2.) WHILE POSITION IN DRAWING ARE FOR REFERENCE ONLY AND NOT BE DIFFERENT THAN SIGNAL DESIGN, POSITIONING AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

THIS DWG. ALSO EXISTS AS FASR FIGURE 3.3-2 SH3 NUCLEAR SAFETY RELATED PART ONLY

REV	DATE	REVISION DESCRIPTION	BY	CHK	APP	DATE
36	8-27-82	INCOMP 121 DRS 82-1888	NS	RJC	N/A	
35	6-12-82	REMOVED DEBAGO TAG NUMBERS	NS	RJC	N/A	
34	5-16-82	INCOMP 121 DRS 1186271	NS	RJC	N/A	
33	7-17-81	INCOMP 121 DRS 117020028	NS	RJC	N/A	

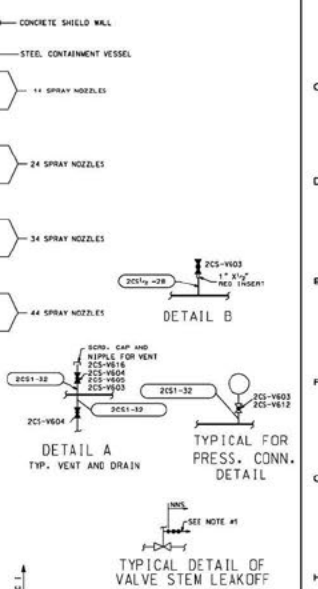
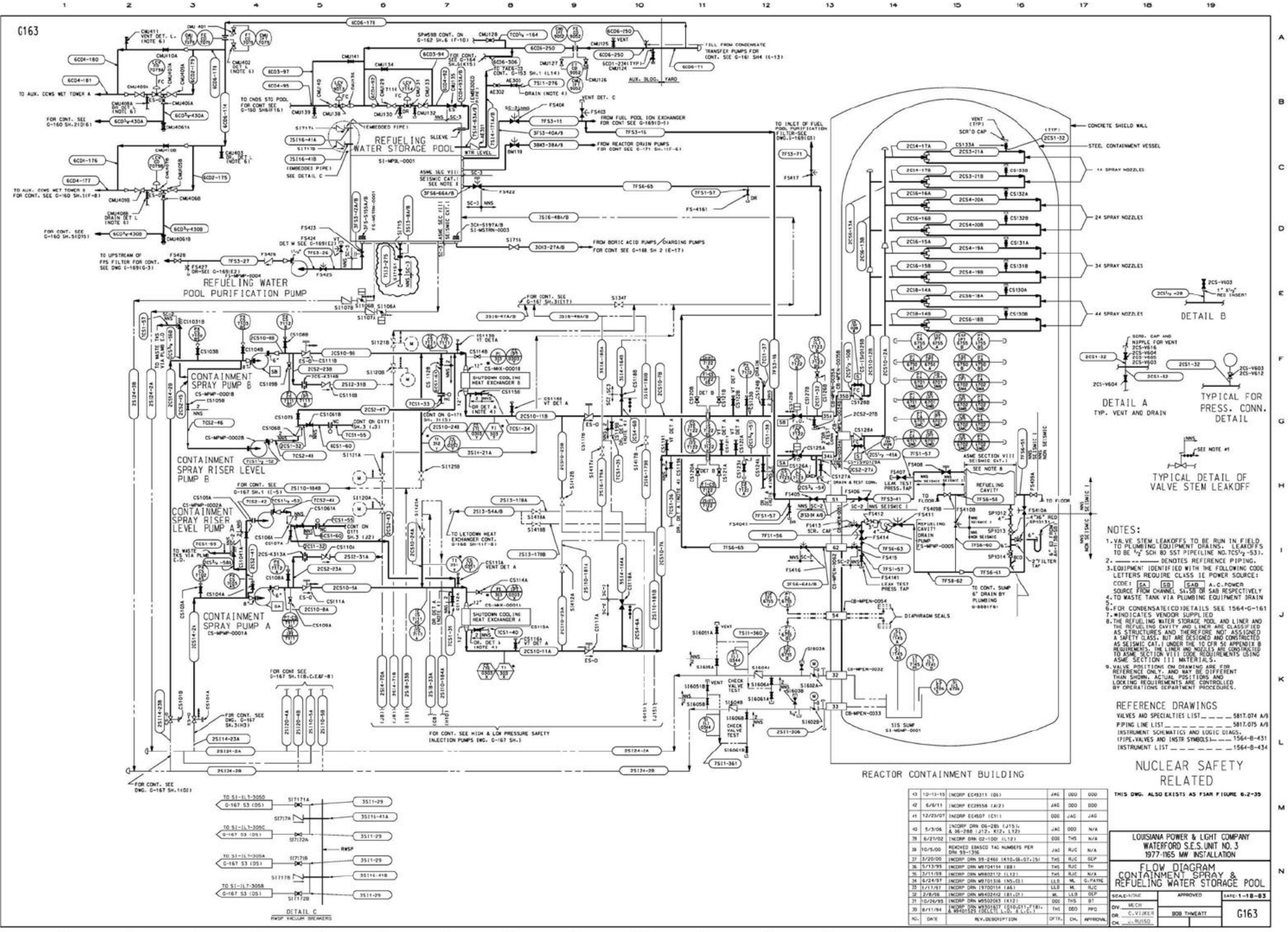
ENERGY WATERFOOD S.E.C. UNIT NO. 3 1165 MW INSTALLATION

POST ACCIDENT SAMPLING SYSTEM

SCALE: NONE APPROVED: DATE:

DEPT. MECH DR. BENDERER CH. SLEBANE

G162 SH 3 OF 6



- NOTES:**
1. VALVE STEM LEAKOFFS TO BE RUN IN FIELD TO PLUMBING EQUIPMENT DRAINS. LEAKOFFS TO BE 1/2" SCH 80 SST PIPELINE NO. TCSV-531.
 2. --- DENOTES REFERENCE PIPING.
 3. EQUIPMENT IDENTIFIED WITH THE FOLLOWING CODE LETTERS REQUIRE CLASS 1E POWER SOURCE: CODE: [SA] [EA] [ED] [EAD] A.C. POWER SOURCE FROM CHANNEL, SA/SB OR SAB RESPECTIVELY.
 4. TO WASTE TANK VIA PLUMBING EQUIPMENT DRAIN.
 5. FOR CONDENSATE (CD) DETAILS SEE 1564-G-161.
 6. INDICATES VENDOR SUPPLIED AND THE REFUELING CAVITY AND LINER ARE CLASSIFIED AS STRUCTURES AND THEREFORE NOT ASSIGNED A SAFETY CLASS, BUT ARE DESIGNED AND CONSTRUCTED AS SEISMIC CAT. I UNDER THE CFR 50 APPENDIX B REQUIREMENTS. THE LINER AND NOZZLES ARE CONSTRUCTED TO ASME SECTION VIII CODE REQUIREMENTS USING ASME SECTION III MATERIALS.
 7. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

REFERENCE DRAWINGS
 VALVES AND SPECIALTIES LIST --- 5817.074 A/B
 PIPING LINE LIST --- 5817.075 A/B
 INSTRUMENT SCHEMATICS AND LOGIC DIAGS. (FIRE, VALVES AND INSTR. SYMBOLS) --- 1564-B-431
 INSTRUMENT LIST --- 1564-B-434

NUCLEAR SAFETY RELATED

THIS DWG. ALSO EXISTS AS FS FIGURE 6-2-30

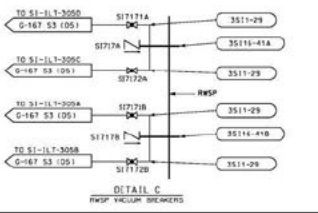
LOUISIANA POWER & LIGHT COMPANY
 WATERFORD S.E.S. UNIT NO. 3
 1977-1985 MAINTENANCE INSTALLATION

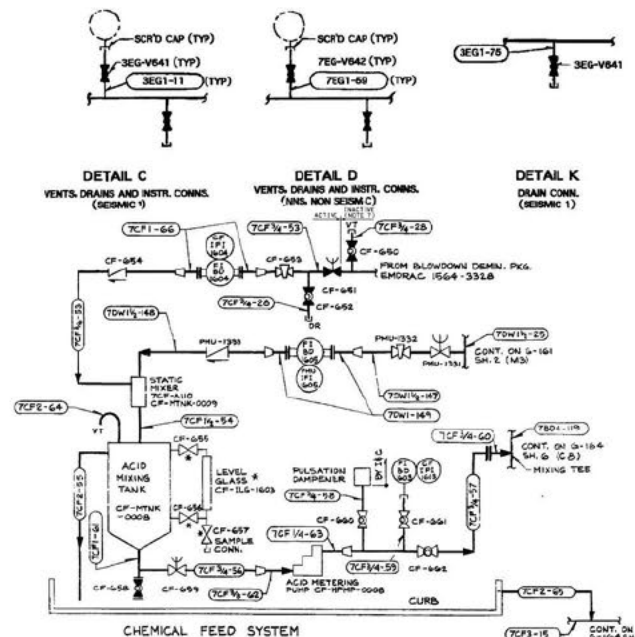
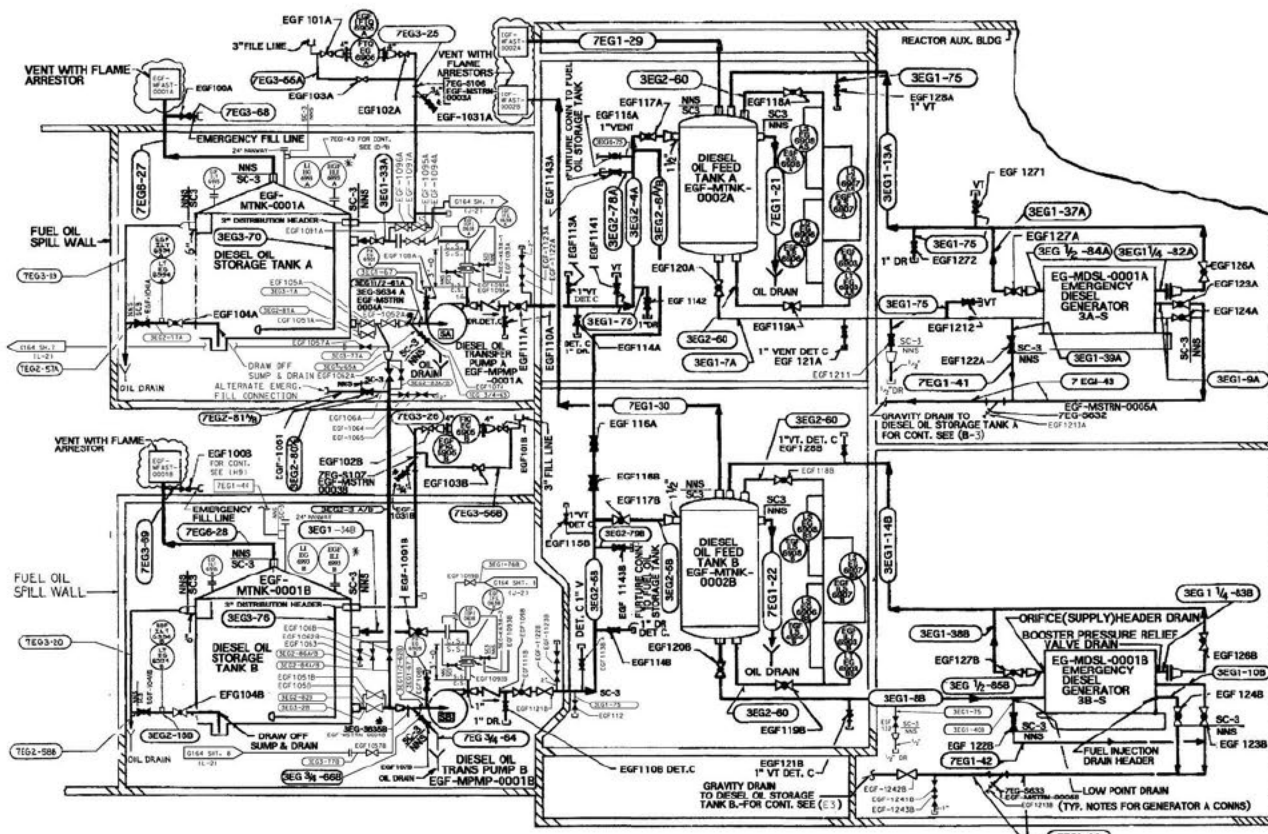
**FLOW DIAGRAM
 CONTAINMENT SPRAY &
 REFUELING WATER STORAGE POOL**

SCALE: NONE APPROVED DATE: 1-18-83
 DR. MCH BOB THOMAS
 DR. C. V. REED BOB THOMAS
 DR. J. R. REED

C163

NO.	DATE	REV.	DESCRIPTION	BY	CHK.	APPROV.
43	10-11-79	INCORP	EC-0311 (06)	JAG	DOO	DOO
42	6/8/79	INCORP	EC2958 (A2)	JAG	DOO	DOO
41	12/23/07	INCORP	EC4607 (C11)	JAG	JAG	JAG
40	5/3/06	INCORP	DIN 02-28 (115), & 28-228 (17), K2, 132)	JAG	DOO	N/A
39	8/21/02	INCORP	DIN 02-100 (12)	DOO	THS	N/A
38	10/5/00	REVISED	EMASO TAG NUMBERS PER DIN 99-336	JAG	RJC	N/A
37	5/20/00	INCORP	DIN 99-246 (K10-08-07-13)	THS	RJC	SEP
36	5/13/99	INCORP	DIN 02-28 (115), & 28-228 (17), K2, 132)	THS	RJC	THS
35	12/11/98	INCORP	DIN M80212 (115)	THS	RJC	N/A
34	8/24/97	INCORP	DIN M70136 (105-03)	LLB	ML	G-PATRE
33	11/17/97	INCORP	DIN M70136 (105-03)	LLB	ML	RJC
32	12/08/96	INCORP	DIN M80242 (81-03)	ML	LLB	SEP
31	10/24/95	INCORP	DIN M80203 (K12)	DOO	THS	BT
30	8/11/94	INCORP	DIN M80242 (81-03) & M80132 (105-03)	THS	DOO	PPD



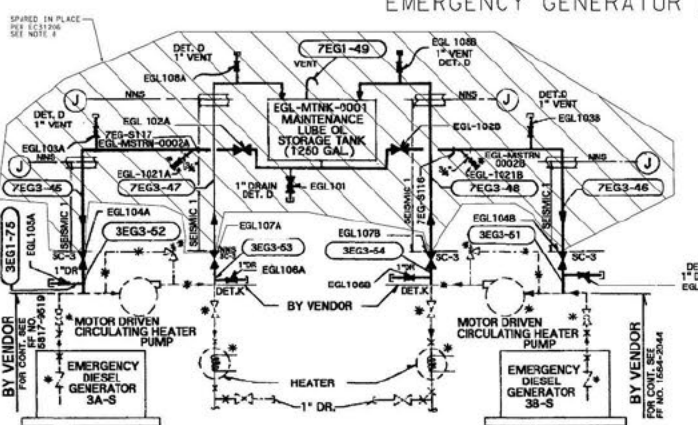


- NOTES:**
- EQUIPMENT IDENTIFIED WITH THE FOLLOWING CODE: LETTERED PREFIX, CLASS 3E POWER SOURCE - CODE [SA] [SB] [SAC]
 - SC-3 INDICATES VIBRATOR SUPPLIED
 - SG-6 INDICATES INSULATING FLANGE
 - SG-8 INDICATES CRIB BOY CONTROL VALVE
 - VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT. POSITIONS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 - THIS EQUIPMENT IS MADE INACTIVE PER ER-93-91-0834-00-00
 - THIS EQUIPMENT IS INACTIVE PER ER-93-91-0973-00-00
 - EG104A(B) AND EG107A(B) SERVE AS THE BOUNDARIES TO SPARE IN PLACE EQUIPMENT. ALL EQUIPMENT FROM THESE VALVES UP TO AND INCLUDING THE 2" INLET MAIN DRAIN LINE IS SPARED IN PLACE PER EC1206.

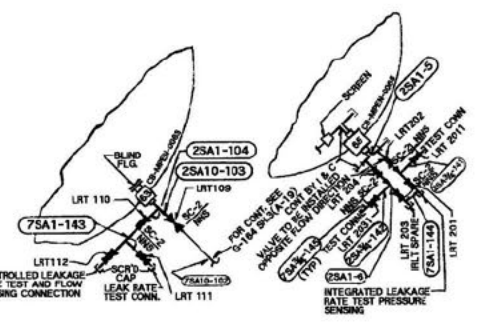
- REFERENCE DRAWINGS**
- VALVES AND SPECIALIZED LIST 5610446
 - PIPE LINE LIST 561-075A(B)
 - INSTRUMENT SCHEMATICS AND LOGIC DIAGRAMS (PIPE VALVES & INSTR. SYMBOLS) 564-B-431
 - INSTRUMENT LIST 564-B-434
 - ELCT. DIAGRAMS & WIRING DIAGRAMS 564-B-434.2

- SYSTEMS SHOWN ON THIS DRAWING:**
- EMERGENCY GENERATOR DIESEL OIL SYSTEM
 - EMERGENCY DIESEL GENERATOR LUBE OIL SYSTEM
 - CONTAINMENT LEAKAGE RATE TEST (AIR SUPPLY)

EMERGENCY GENERATOR DIESEL OIL SYSTEM



EMERGENCY DIESEL GENERATOR LUBE OIL SYSTEM



CONTAINMENT LEAKAGE RATE TEST CONN. (AIR SUPPLY)

NO.	DATE	REVISION	BY	CH	APPROVED	NO.	DATE	REVISION	BY	CH	APPROVED
47	3-18-76	INSTR. PIPING EC 4100 & REVISED 6206	JAO	RAS	RAS	48	3-10-76	INSTR. PIPING EC 4430 & REVISED 6206	JAO	THS	THS
48	3-10-76	INSTR. PIPING EC 4430 & REVISED 6206	JAO	RAS	RAS	49	3-25-73	INSTR. PIPING EC 4275	JAO	DD	DD
49	3-25-73	INSTR. PIPING EC 4275	JAO	DD	DD	50	3-20-82	INSTR. PIPING EC 4275 & REVISED 6206	JAO	THS	THS
51	10-20-71	INSTR. PIPING EC 4275	JAO	DD	DD	52	4-18-77	INSTR. PIPING EC 4275	JAO	THS	THS
52	4-18-77	INSTR. PIPING EC 4275	JAO	THS	THS	53	11-8-80	INSTR. PIPING EC 4275	JAO	JAO	JAO
53	11-8-80	INSTR. PIPING EC 4275	JAO	JAO	JAO	54	8-12-86	INSTR. PIPING EC 4275	JAO	JAO	JAO
54	8-12-86	INSTR. PIPING EC 4275	JAO	JAO	JAO	55	3-11-85	INSTR. PIPING EC 4275 & REVISED 6206	JAO	JAO	JAO
55	3-11-85	INSTR. PIPING EC 4275 & REVISED 6206	JAO	JAO	JAO	56	3-3-85	INSTR. PIPING EC 4275 & REVISED 6206	JAO	THS	THS
56	3-3-85	INSTR. PIPING EC 4275 & REVISED 6206	JAO	THS	THS	57	11-28-80	INSTR. PIPING EC 4275 & REVISED 6206	JAO	JAO	JAO
57	11-28-80	INSTR. PIPING EC 4275 & REVISED 6206	JAO	JAO	JAO	58	3-10-80	INSTR. PIPING EC 4275 & REVISED 6206	JAO	JAO	JAO
58	3-10-80	INSTR. PIPING EC 4275 & REVISED 6206	JAO	JAO	JAO	59	3-10-80	INSTR. PIPING EC 4275 & REVISED 6206	JAO	JAO	JAO
59	3-10-80	INSTR. PIPING EC 4275 & REVISED 6206	JAO	JAO	JAO	60	3-10-80	INSTR. PIPING EC 4275 & REVISED 6206	JAO	JAO	JAO
60	3-10-80	INSTR. PIPING EC 4275 & REVISED 6206	JAO	JAO	JAO						

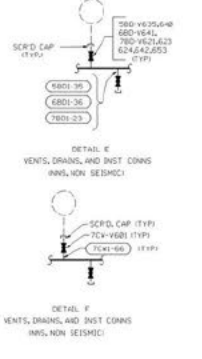
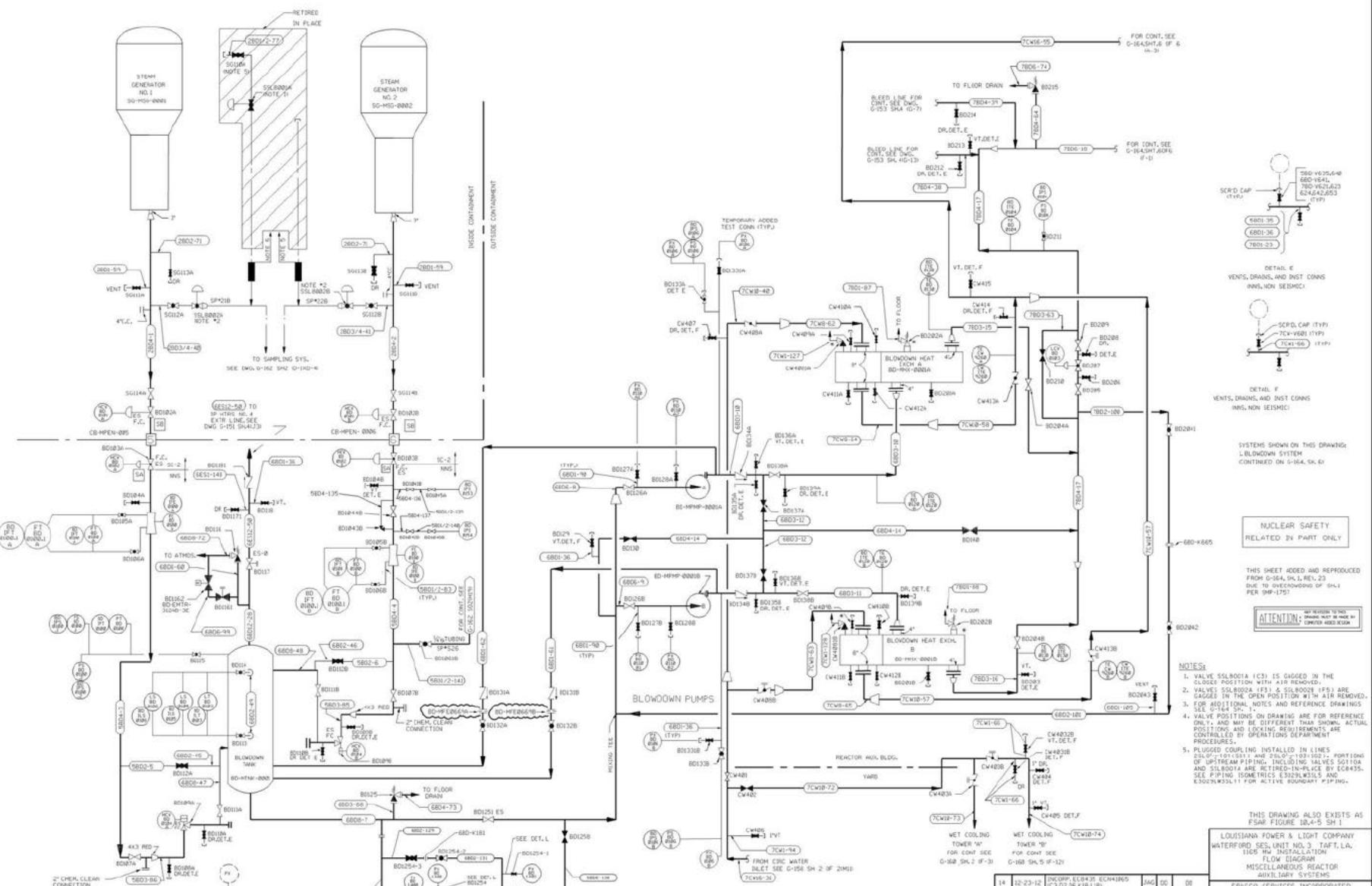
NUCLEAR SAFETY RELATED IN PART ONLY

THIS DWG. ALSO EXISTS AS FSAR FIGURE 9.5-3

ENERGY OPERATIONS, INC.
WATERFOOD S.E.S. UNIT NO. 3
1165 MW INSTALLATION

SCALE: NONE APPROVED: RS DATE: 10-1-86
FLOW DIAGRAM MISCELLANEOUS REACTOR AUXILIARY SYSTEMS
DR. MESH. APPROVED: G164 SHT. 1
CH. JEC.

G164 SH. 5



SYSTEMS SHOWN ON THIS DRAWING:
L. BLOWDOWN SYSTEM
CONTINUED ON G-164, SH. 6

NUCLEAR SAFETY
RELATED BY PART ONLY

THIS SHEET ADDED AND REPRODUCED
FROM G-164, SH. L, REV. 23
DUE TO OVERCROWDING OF SH. L
PER 9AP-1751

ATTENTION:
ALL REVISIONS THERE
DRAWN MUST BE MADE BY
OPERATOR AND KEPT

- NOTES:
1. VALVE 5SL8001A (CS) IS GAGGED IN THE CLOSED POSITION WITH A IR REMOVED.
 2. VALVES 5SL8002A (FS) & 5SL8002B (FS) ARE GAGGED IN THE OPEN POSITION WITH A IR REMOVED.
 3. FOR ADDITIONAL NOTES AND REFERENCE DRAWINGS, SEE G-164, SH. 1.
 4. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 5. PLUGGED COUPLING INSTALLED IN LINES 5SL01-101/501-1 AND 5SL01-102/502-1 PORTION OF UPSTREAM PIPING, INCLUDING VALVES 50110A AND 5SL8001A ARE RETIRED-IN-PLACE BY EC435. SEE PIPING ISOMETRICS E3329LX35L5 AND E3029LX35L11 FOR ACTIVE BOUNDARY PIPING.

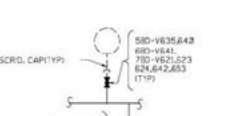
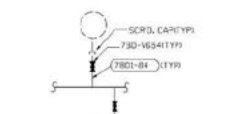
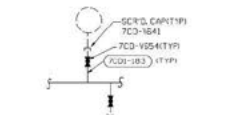
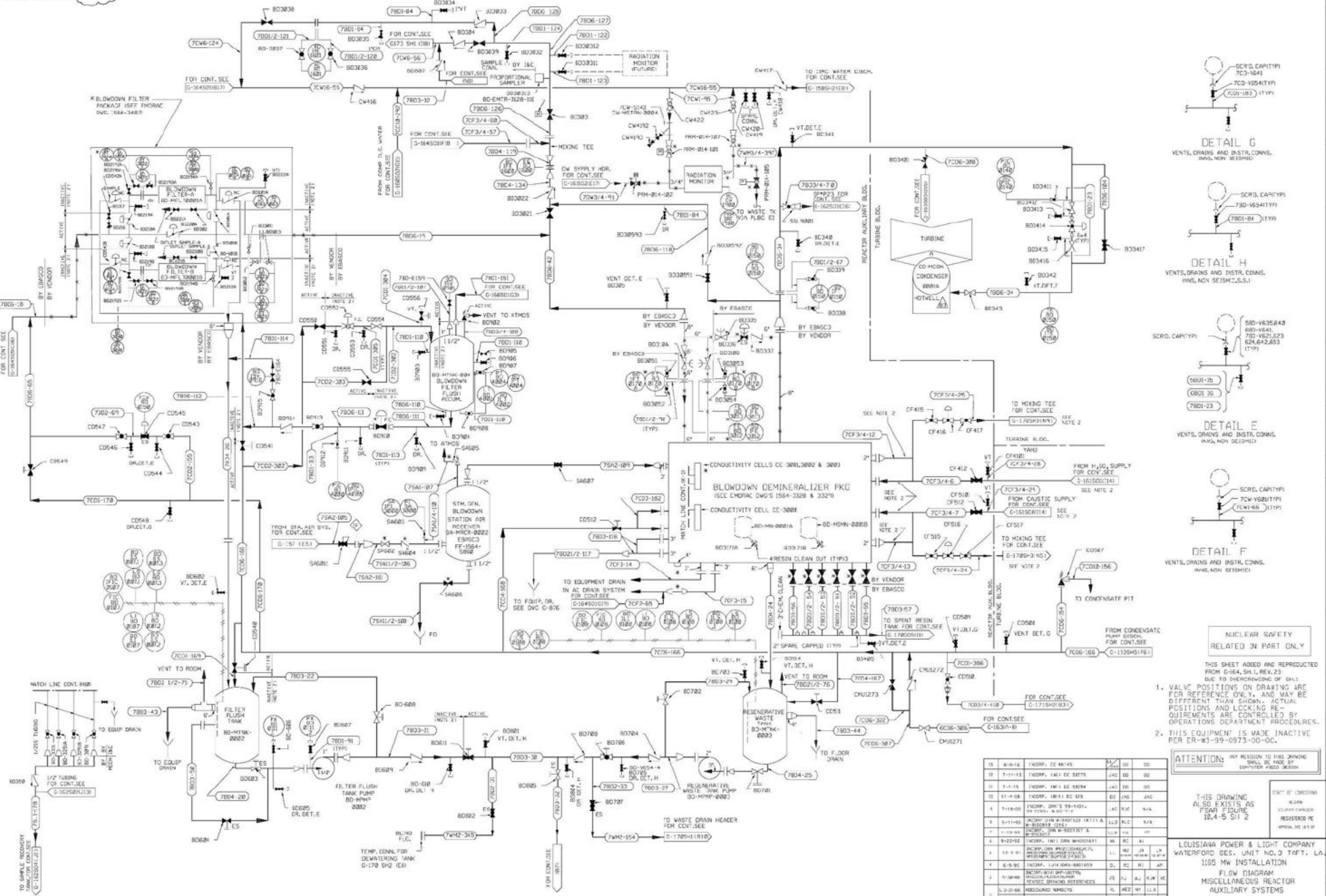
THIS DRAWING ALSO EXISTS AS
FSAR FIGURE 10.4-5 SH 1

LOUISIANA POWER & LIGHT COMPANY
WATERFORD RES. UNIT NO. 3 TAFT, LA.
TYPE 'M' INSTALLATION
FLOW DIAGRAM
MISCELLANEOUS REACTOR
AUXILIARY SYSTEMS

BLOWDOWN SYSTEM
(CONTINUED ON G-164, SH. 6)

NO.	DATE	REVISION	BY	CHK	APPROVED	NO.	DATE	REVISION	BY	CHK	APPROVED
14	12-23-12	INCORP. EC435 (E3029LX35L11)	JAG	DD		13	11-1-03	INCORP. IHD ORN 83-1392	DD	N/A	
13	11-1-03	INCORP. IHD ORN 83-1392	DD	N/A		12	7-28-90	INCORP. DRN'S 99-1498 00-647 AND 00-648	JAG	N/A	
12	7-28-90	INCORP. DRN'S 99-1498 00-647 AND 00-648	JAG	N/A		11	7-25-13	INCORP. EC 42753	JAG	DD	

SCALE: NONE
DIV. OF NUCLEAR POWER
CH. 11 (OPERATIONS)
DATE: 10-9-87
G164
SH. 5



NUCLEAR SAFETY RELATED IN PART ONLY

THIS SHEET ADDED AND REPRODUCED FROM G-164, S.H.I. REV. 23 DUE TO OVERDRAWING OF S.H.I. 1. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES. 2. THIS EQUIPMENT IS MADE INACTIVE PER ER-83-99-0973-00-0C.

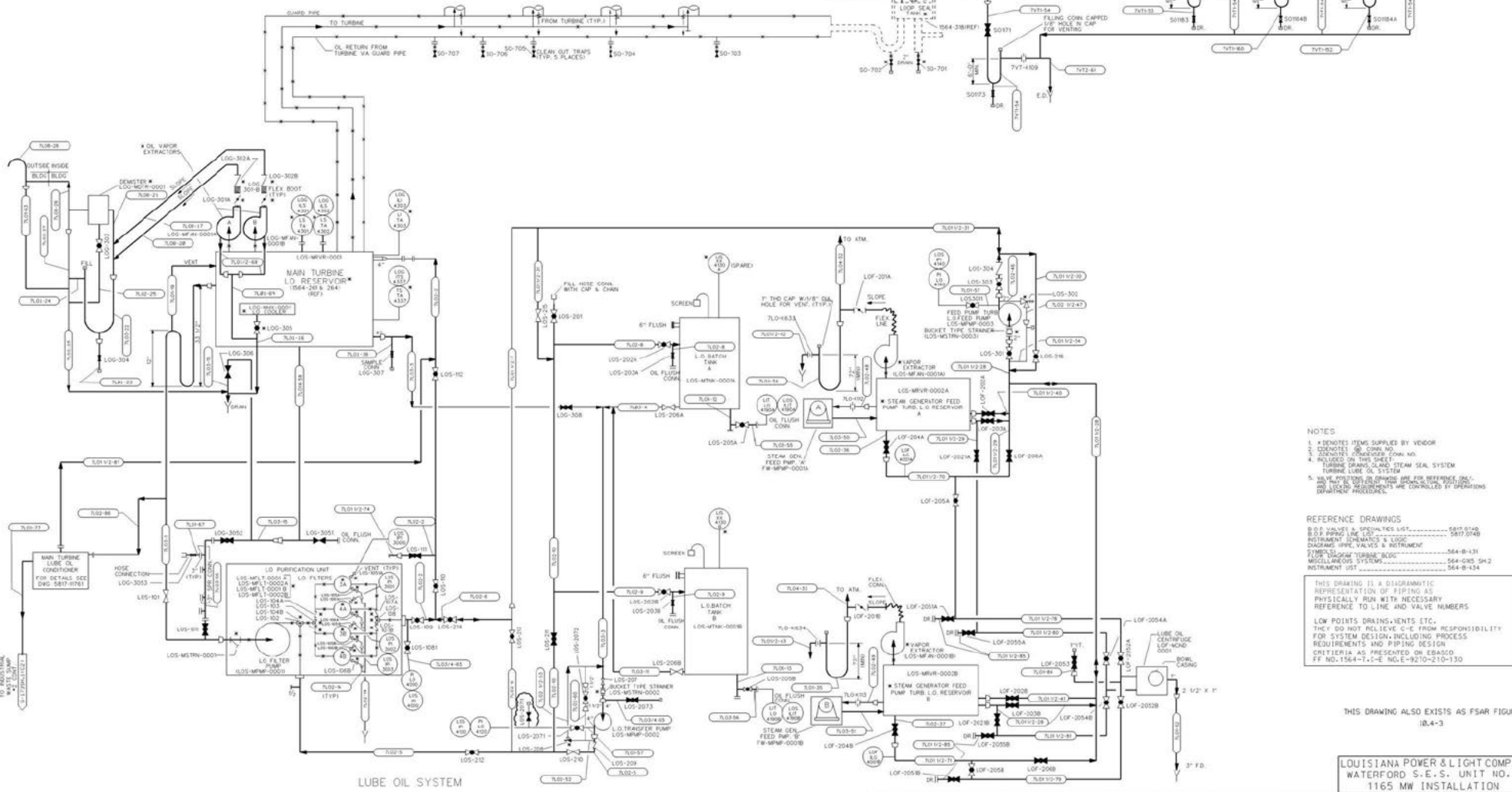
ATTENTION: REVISION TO THIS DRAWING SHALL BE MADE BY COMPUTER ASSISTED METHOD.

START OF CHANGES
 NEW
 BY
 REGISTERED PE
 APPROX. DATE OF

LOUISIANA POWER AND LIGHT COMPANY
 WATERFORD SEC. UNIT NO. 3 TAFT, LA.
 1155 MW INSTALLATION
 FLOW DIAGRAM
 MISCELLANEOUS REACTOR
 AUXILIARY SYSTEMS

EASCO SERVICES INCORPORATED									
NO.	DATE	REVISION	BY	APPROVED	SCALE	DATE	SCALE	DATE	SCALE
1	1-18-67	ISSUED FOR CONSTRUCTION	J.M.	J.M.	AS SHOWN				
2	2-20-67	REVISION TO THIS SHEET	J.M.	J.M.	AS SHOWN				
3	3-1-67	REVISION TO THIS SHEET	J.M.	J.M.	AS SHOWN				
4	3-1-67	REVISION TO THIS SHEET	J.M.	J.M.	AS SHOWN				
5	3-1-67	REVISION TO THIS SHEET	J.M.	J.M.	AS SHOWN				
6	3-1-67	REVISION TO THIS SHEET	J.M.	J.M.	AS SHOWN				
7	3-1-67	REVISION TO THIS SHEET	J.M.	J.M.	AS SHOWN				
8	3-1-67	REVISION TO THIS SHEET	J.M.	J.M.	AS SHOWN				
9	3-1-67	REVISION TO THIS SHEET	J.M.	J.M.	AS SHOWN				
10	3-1-67	REVISION TO THIS SHEET	J.M.	J.M.	AS SHOWN				

BLOWDOWN SYSTEM



NOTES

1. * DENOTES ITEMS SUPPLIED BY VENDOR
2. CIRCLES ON CONN. NO.
3. CIRCLES ON CONDENSER CONN. NO.
4. INCLUDED ON THIS SHEET: TURBINE DRAINS AND STEAM SEAL SYSTEM TURBINE LUBE OIL SYSTEM
5. VALVE POSITION OR SHOWN ARE FOR REFERENCE ONLY. THE VALVE POSITION OR SHOWN ARE FOR REFERENCE ONLY. THE VALVE POSITION OR SHOWN ARE FOR REFERENCE ONLY. THE VALVE POSITION OR SHOWN ARE FOR REFERENCE ONLY.

REFERENCE DRAWINGS

- 8.0" VALVES & INSTRUMENTS LIST 587-0748
- 8.0" PIPING LINE LIST 587-0749
- INSTRUMENT DRAWINGS & LOGS 587-0750
- DIAGRAMS (PIPE, VALVES & INSTRUMENT) 584-B-431
- PIPE & INSTRUMENT "BOND" 584-B-432
- MISCELLANEOUS SYSTEMS 584-B-433
- INSTRUMENT LIST 584-B-434

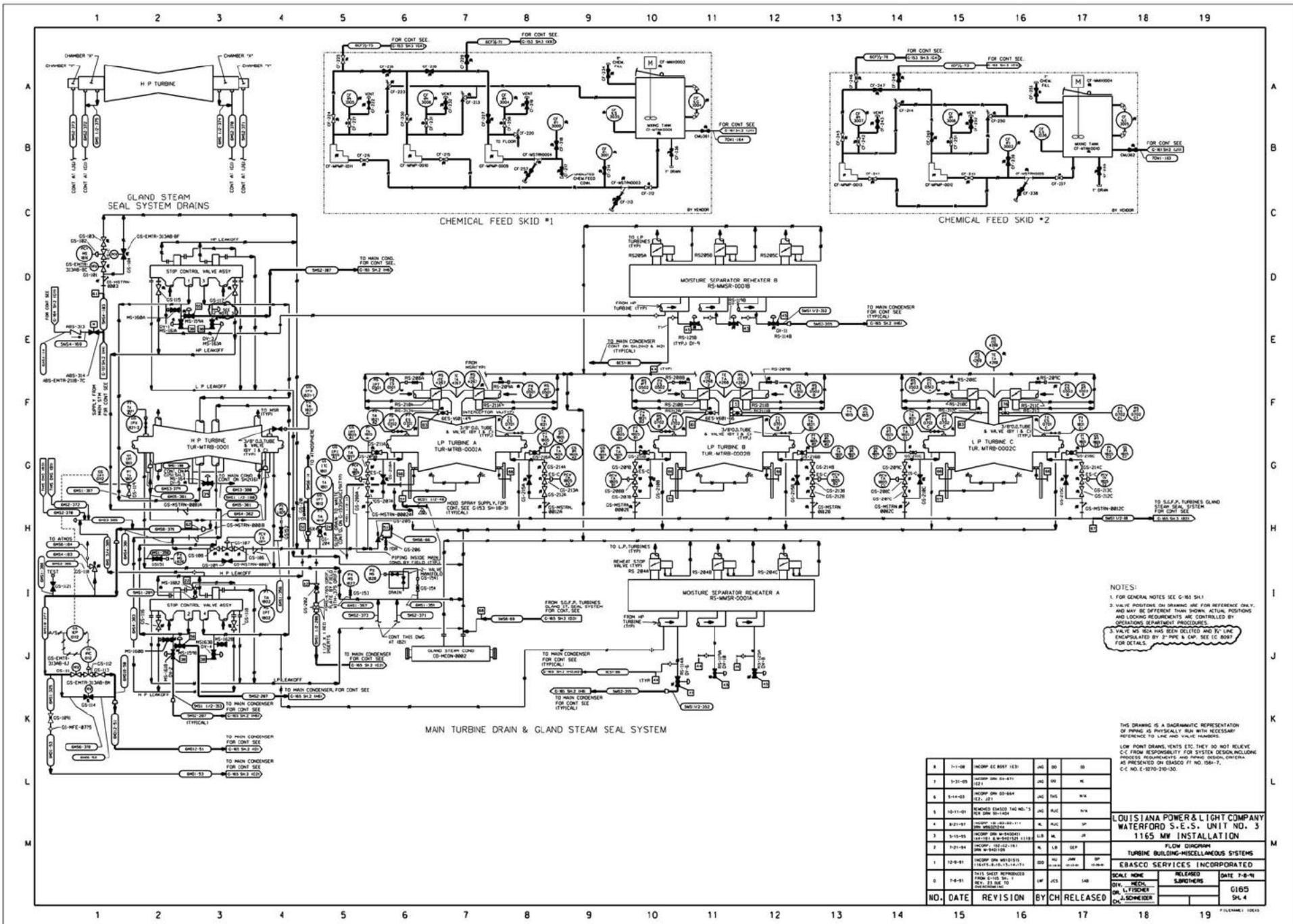
THIS DRAWING IS A DIAGRAMMATIC REPRESENTATION OF PIPING AS PHYSICALLY RUN WITH NECESSARY REFERENCE TO LINE AND VALVE NUMBERS

LOW POINTS, DRAINS, VENTS, ETC., THEY DO NOT RELIEVE C-E FROM RESPONSIBILITY FOR SYSTEM DESIGN, INCLUDING PROCESS REQUIREMENTS AND PIPING DESIGN CRITERIA AS PRESENTED ON EBASECO FF NO. 1564-T, L-E NO. E-9210-210-130

THIS DRAWING ALSO EXISTS AS FSAR FIGURE 10.4-3

LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1165 MW INSTALLATION

NO.	DATE	BY	CH	RELEASED	NO.	DATE	BY	CH	RELEASED
38	11-30-81	JAG	RJC	N/A	27	11-30-81	JAG	RJC	N/A
39	12-29-81	JAG	RJC	N/A	28	6-6-82	JAG	RJC	N/A
27	10-29-81	JAG	RJC	N/A	25	1-19-82	JAG	RJC	N/A
28	5-28-82	DD	RJC	JAF	24	7-8-81	LWF	JCS	SAB



NOTES:
 1. FOR GENERAL NOTES SEE C-85-311
 2. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN, ACTUAL POSITIONS AND LOADING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 3. VALVE WS-85A HAS BEEN DELETED AND "S" LINE ENCAPSULATED BY "Z" PIPE & CAP, SEE C-85-308F FOR DETAILS.

THIS DRAWING IS A DIAGNOSTIC REPRESENTATION OF PIPING. IS PHYSICALLY RUN WITH NECESSARY REFERENCE TO LINE AND VALVE NUMBERS.
 LOW POINT DRAINS, VENTS ETC. THEY DO NOT RELIEVE C.E. FROM RESPONSIBILITY FOR SYSTEM DESIGN INCLUDING PROCESS REQUIREMENTS AND INSTRUMENT DESIGN CRITERIA AS PRESENTED ON EASCO P-101 (584)-7, C/E NO. E-1070-210-150.

NO.	DATE	REVISION	BY	CH	RELEASED
4	7-1-58	INCOMP. DR. 03-103	JAG	SD	SD
5	7-31-58	INCOMP. DR. 03-103	SD	SD	SD
6	8-14-58	INCOMP. DR. 03-104	JAG	MS	N/A
7	10-11-58	REVISED EASCO TAG NO. 1	JAG	ALJ	N/A
8	8-21-58	INCOMP. DR. 03-103-111	AL	MS	SP
9	5-16-59	INCOMP. DR. 03-103-111	AL	MS	SP
10	7-21-59	INCOMP. DR. 03-103-111	AL	MS	SP
11	12-9-61	INCOMP. DR. 03-103-111	SD	MS	SP
12	7-8-61	THIS SHEET REPRODUCED FROM C-103-311, REV. 23 SEE TO INSTRUMENTS	SW	JES	148

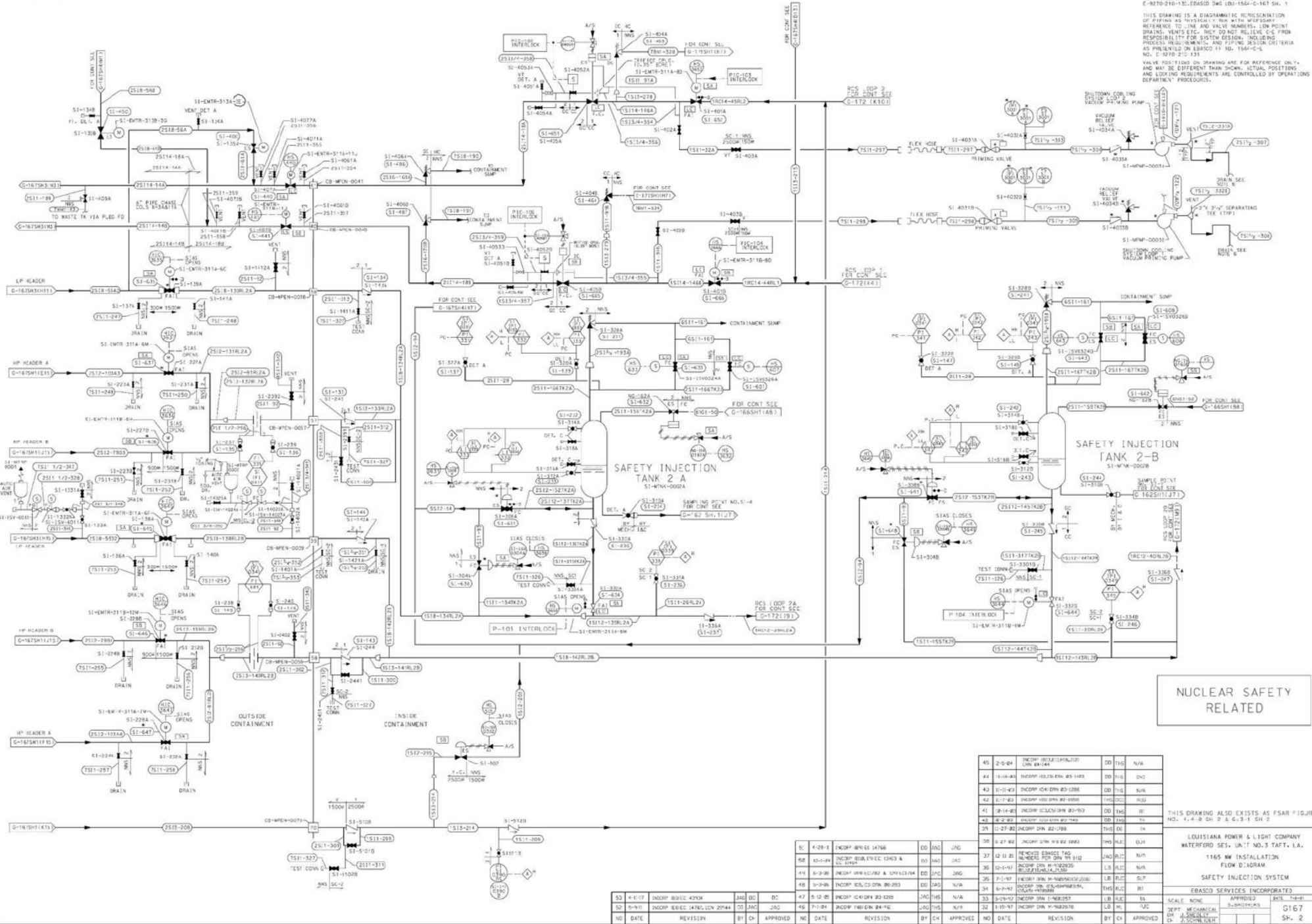
LOUISIANA POWER & LIGHT COMPANY
 WATERFORD S.E.S. UNIT NO. 3
 1165 MW INSTALLATION

TURBINE BUILDING-MISCELLANEOUS SYSTEMS
 EASCO SERVICES INCORPORATED

SCALE: NONE
 DIV. MECH.
 DR. L. FISCHER
 CO. J. SCHUELER

RELEASED DATE 7-8-61
 SUBMITTERS
 0165
 94-4

NOTES:
 FOR NOTES & REFERENCES DWG. REC. C.C. DWG. E-9270-210-1-1. EASDSD DWG. (LD-1564-C-167 SH. 1)
 THIS DRAWING IS A DIAGRAMATIC REPRESENTATION OF PIPING AS PHYSICAL PIPING WITH WORKSHYD REFERENCE TO LINE AND VALVE NUMBERS, LOW POINT DRAINING, VENTING, ETC. THEY DO NOT RELIEVE C.E. FROM RESPONSIBILITY FOR SYSTEM DESIGN, INCLUDING PROCESS REQUIREMENTS AND LIFTING DESIGN DETAILS AS PRESENTED IN ENERGY P.D. 1564-E'S NO. C-9270-212-131
 THESE POSITIONS OR DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOADING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT'S PROCEDURES.



NUCLEAR SAFETY RELATED

45	2-9-84	INCOMP. REVISED	DO	TIG	N/A
44	11-10-83	INCOMP. REVISED	DO	TIG	DNQ
43	8-10-83	INCOMP. REVISED	DO	TIG	N/A
42	1-17-83	INCOMP. REVISED	DO	TIG	DNQ
41	8-14-82	INCOMP. REVISED	DO	TIG	BT
40	8-6-82	INCOMP. REVISED	DO	TIG	BT
39	5-27-82	INCOMP. REVISED	DO	TIG	DNQ
38	6-27-84	INCOMP. REVISED	DO	TIG	DNQ
37	12-11-81	REVISION	JAG	RJT	N/A
36	12-14-81	INCOMP. REVISED	DO	TIG	N/A
35	7-1-81	INCOMP. REVISED	DO	TIG	SLP
34	6-9-81	INCOMP. REVISED	DO	TIG	BT
33	5-12-81	INCOMP. REVISED	DO	TIG	N/A
32	1-15-81	INCOMP. REVISED	DO	TIG	N/A

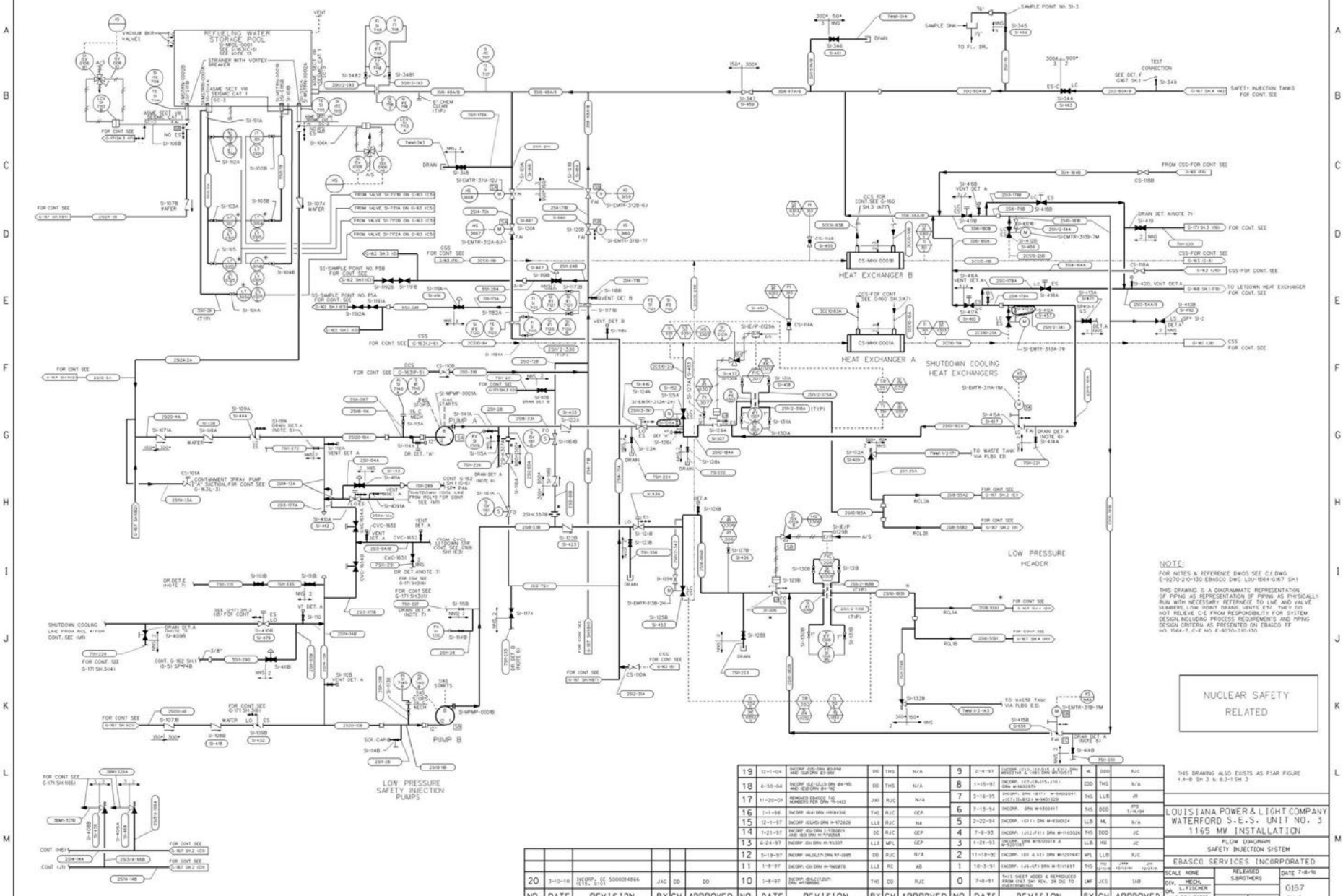
THIS DRAWING ALSO EXISTS AS PSAR FIGURE NO. 4-4-B SH. 2 & 4-3-1 SH. 5

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD SES. UNIT NO. 3 TAFT, LA.
 1165 MW INSTALLATION
 FLOW DIAGRAM
 SAFETY INJECTION SYSTEM

ESBICO SERVICES INCORPORATED

SCALE: NONE
 APPROVED: [Signature]
 DATE: 1-15-81
 DEPT: MECHANICAL
 DWG. NO.: G167
 CH. NO.: 2

G1675H3



NOTE:
 FOR NOTES & REFERENCE DWGS SEE C.D.W.G.
 E-9270 210-130 EBASCO DWG. L30-564-067 SK1
 THIS DRAWING IS A DIAGRAMATIC REPRESENTATION
 OF PIPING AS REPRESENTATION OF PIPING AS PHYSICALLY
 RUN WITH NECESSARY REFERENCE TO LSE AND VALVE
 NUMBERS, LOW POINT DRAINS, VENTS, ETC. THEY DO
 NOT RELIEVE C.E. FROM RESPONSIBILITY FOR SYSTEM
 DESIGN INCLUDING PROCESS REQUIREMENTS AND PIPING
 DESIGN CRITERIA AS PRESENTED ON EBASCO FF
 NO. 1644-7, C-E NO. E-9270-210-130

NUCLEAR SAFETY
 RELATED

THIS DRAWING ALSO EXISTS AS FEAR FIGURE
 4-4-B-S-3 & 3-115W-3

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD S.E.S. UNIT NO. 3
 1165 MW INSTALLATION

SAFETY INJECTION SYSTEM

EBASCO SERVICES INCORPORATED
 SCALE NONE RELEASED DATE 7-8-76
 DR. CHECKED BY S.BROTHERS
 DR. L.FISCHER
 DR. J.SCHNEIDER

NO.	DATE	REVISION	BY	CH	APPROVED	NO.	DATE	REVISION	BY	CH	APPROVED	NO.	DATE	REVISION	BY	CH	APPROVED
19	11-11-64	INSTR. 20-110-027M	DR	THS	N/A	9	2-1-61	INSTR. 20-110-027M	ML	DRW	RJC						
18	8-10-64	INSTR. 20-110-027M	DR	THS	N/A	8	1-15-61	INSTR. 20-110-027M	ML	DRW	RJC						
17	11-20-61	INSTR. 20-110-027M	JAK	RJC	N/A	7	3-14-55	INSTR. 20-110-027M	ML	DRW	RJC						
16	3-11-58	INSTR. 20-110-027M	LLS	RJC	SEP	6	7-13-54	INSTR. 20-110-027M	ML	DRW	RJC						
15	12-11-57	INSTR. 20-110-027M	LLS	RJC	HA	5	2-22-54	INSTR. 20-110-027M	ML	DRW	RJC						
14	1-21-57	INSTR. 20-110-027M	DR	RJC	SEP	4	7-8-53	INSTR. 20-110-027M	ML	DRW	RJC						
13	8-24-57	INSTR. 20-110-027M	LLS	MLP	SEP	3	1-21-53	INSTR. 20-110-027M	ML	DRW	RJC						
12	5-19-57	INSTR. 20-110-027M	DR	RJC	N/A	2	11-18-53	INSTR. 20-110-027M	ML	DRW	RJC						
11	1-8-57	INSTR. 20-110-027M	LLS	RC	AB	1	10-3-51	INSTR. 20-110-027M	ML	DRW	RJC						
10	1-8-57	INSTR. 20-110-027M	LLS	DR	RJC	0	7-8-51	INSTR. 20-110-027M	ML	DRW	RJC						
20	3-10-10	INSTR. 20-110-027M	JAG	DR	DR												

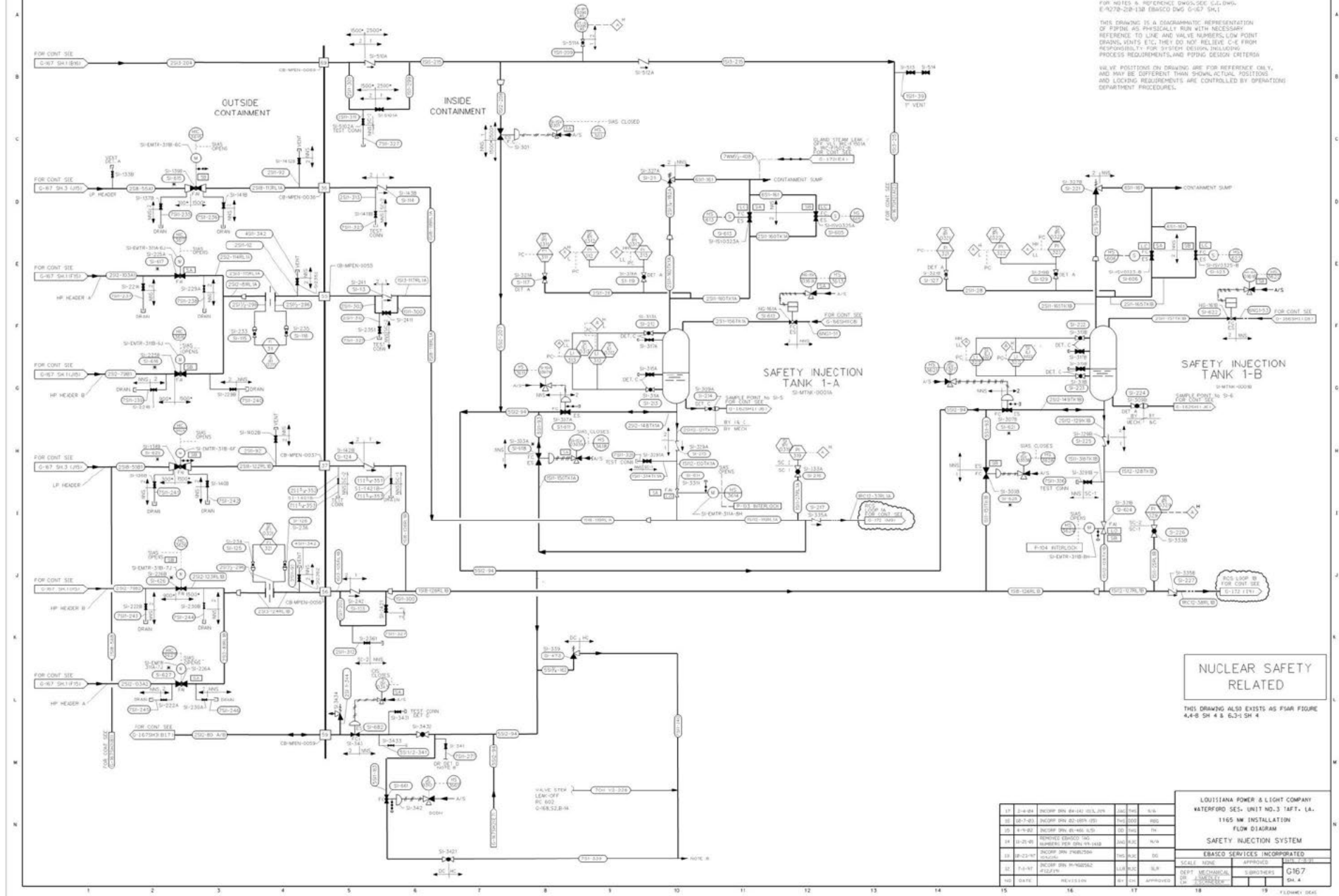
G157
 SH 3

NOTES:

FOR NOTES & REFERENCE DWG. SEC. C.A. DWG. E-9270-20-130 (BASICO DWG. G-67 SH.)

THIS DRAWING IS A DIAGRAMMATIC REPRESENTATION OF PIPING AS PHYSICALLY RUN WITH NECESSARY REFERENCE TO LINE AND VALVE NUMBERS, LOW POINT DRAINS, VENTS, ETC. THEY DO NOT RELIEVE C-E FROM RESPONSIBILITY FOR SYSTEM DESIGN, INCLUDING PROCESS REQUIREMENTS, AND PIPING DESIGN CRITERIA.

VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN, ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.



NUCLEAR SAFETY RELATED

THIS DRAWING ALSO EXISTS AS FSAR FIGURE 4.4-8 SH 4 & 6.3-4 SH 4

17	2-4-84	INCOMP. REV. 01-01-015, 015, 200	JAC	TRG	S/A
18	10-7-85	INCOMP. REV. 02-001, 001, 000	TRG	000	000
19	4-9-90	INCOMP. REV. 01-001, 001, 000	TRG	000	000
20	4-25-90	REVISED CONTOUR TAG NUMBER FOR CONTOUR TAG	JAC	RUC	TRG
21	10-23-97	INCOMP. REV. 01-001, 001, 000	JAC	RUC	TRG
22	7-1-97	INCOMP. REV. 01-001, 001, 000	JAC	RUC	TRG
23	04-15-98	REVISED CONTOUR TAG NUMBER FOR CONTOUR TAG	JAC	RUC	TRG
24	04-15-98	REVISED CONTOUR TAG NUMBER FOR CONTOUR TAG	JAC	RUC	TRG

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD SEV. UNIT NO. 3 TAFT, LA.
 1165 MW INSTALLATION
FLOW DIAGRAM
SAFETY INJECTION SYSTEM

EBASCO SERVICES INCORPORATED

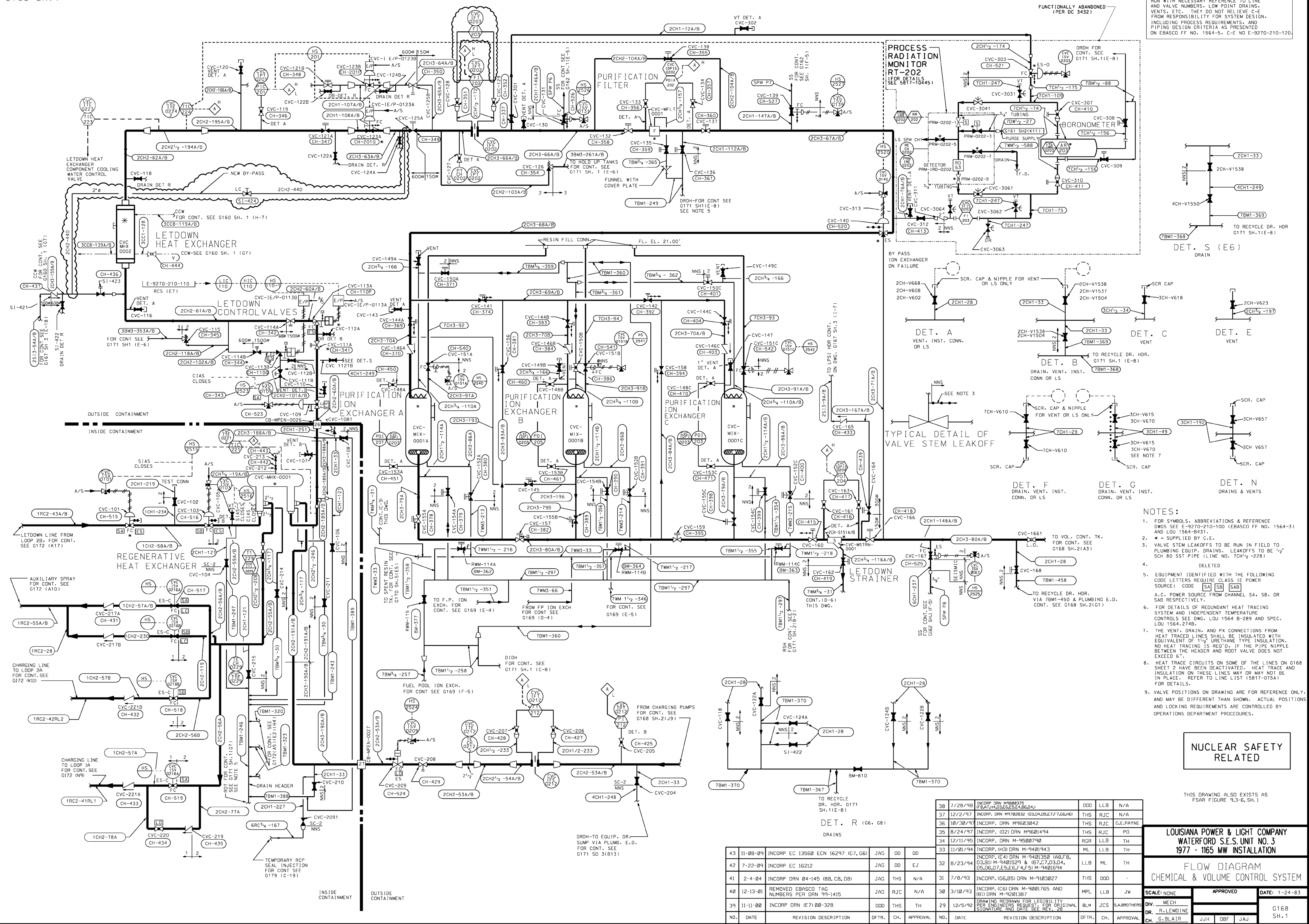
SCALE: NONE APPROVED: NONE

DEPT. MECHANICAL SUBMITTER: G67

DATE: 04/22/98 BY: JAC APPROVED: TRG

18 19

THIS DRAWING IS A DIAGRAMMATIC REPRESENTATION OF PIPING AS PHYSICALLY RUN WITH NECESSARY REFERENCE TO LINE AND VALVE NUMBERS. LOW POINT DRAINS, VENTS, ETC. THEY DO NOT RELIEVE C-E FROM RESPONSIBILITY FOR SYSTEM DESIGN, INCLUDING PROCESS REQUIREMENTS AND PIPING DESIGN CRITERIA AS PRESENTED ON EBASCO FF NO. 1564-5, C-E NO E-9270-210-120.



- NOTES:**
- FOR SYMBOLS, ABBREVIATIONS AND REFERENCE DWGS SEE E-9270-210-100 (EBASCO FF NO. 1564-3) AND LOU 1564-B431.
 - * = SUPPLIED BY C.E.
 - VALVE STEM LEAKOFFS TO BE RUN IN FIELD TO PLUMBING EQUIP. DRAINS, LEAKOFFS TO BE 1/2" SCH 80 SST PIPE (LINE NO. TCH2-228).
 - DELETED
 - EQUIPMENT IDENTIFIED WITH THE FOLLOWING CODE LETTERS REQUIRE CLASS 1E POWER SOURCE: CODE SA SB SBB
 - A.C. POWER SOURCE FROM CHANNEL SA, SB, OR SBB RESPECTIVELY.
 - FOR DETAILS OF REDUNDANT HEAT TRACING SYSTEM AND INDEPENDENT TEMPERATURE CONTROLS SEE DWG. LOU 1564 B-289 AND SPEC. LOU 1564-274B.
 - THE VENT, DRAIN, AND PX CONNECTIONS FROM HEAT TRACED LINES SHALL BE INSULATED WITH EQUIVALENT OF 1 1/2" URETHANE TYPE INSULATION. NO HEAT TRACING IS REQUIRED, IF THE PIPE NIPPLE BETWEEN THE HEADER AND ROOT VALVE DOES NOT EXCEED 6".
 - HEAT TRACE CIRCUITS ON SOME OF THE LINES ON G168 SHEET 2 HAVE BEEN DEACTIVATED. HEAT TRACE AND INSULATION ON THESE LINES MAY OR MAY NOT BE IN PLACE. REFER TO LINE LIST (5817-075A) FOR DETAILS.
 - VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

NUCLEAR SAFETY RELATED

THIS DRAWING ALSO EXISTS AS FSAR FIGURE 9.3-6, SH.1

LOUISIANA POWER & LIGHT COMPANY WATERFORD S.E.S. UNIT NO. 3 1977 - 1165 MW INSTALLATION

FLOW DIAGRAM CHEMICAL & VOLUME CONTROL SYSTEM

SCALE: NONE	APPROVED	DATE: 1-24-83
DR. R. LEMOINE	JJH	OB
CH. G. BLAIR	JJH	OB

NO.	DATE	REVISION DESCRIPTION	DFTR.	CH.	APPROVAL	NO.	DATE	REVISION DESCRIPTION	DFTR.	CH.	APPROVAL
38	7/28/98	INCORP DRN M980375 (8,9,10,11,12,13,14,15,16,17)	JAG	DD	DD	33	11/01/94	INCORP. (H3) DRN M-9401943	ML	LLB	TH
37	12/2/97	INCORP. DRN M970202 (3,3,4,5,6,7,7,6,6)	THS	RJC	N/A	32	8/23/94	INCORP. (E4) DRN M-9401350 (A8,F,8, D3,B) M-9401529 & (B7,C7,D3,D4, D5,D6,D7,E5,E6,F4,F5) M-9401694	LLB	ML	TH
36	10/30/97	INCORP. DRN M9603042	THS	RJC	G.E.PAYNE	31	7/8/93	INCORP. (G6,B5) DRN M-9103027	THS	DDD	-
35	8/24/97	INCORP. (D2) DRN M9601494	THS	RJC	PD	30	3/10/93	INCORP. (C6) DRN M-9001765 AND (B1) DRN M-9201387	MPL	LLB	JW
34	12/11/95	INCORP. DRN M-9500790	RGR	LLB	TH	29	12/5/92	REMOVED EBASCO TAG NUMBERS PER DRN 99-1415	JAG	RJC	N/A
33	11/01/94	INCORP. (H3) DRN M-9401943	ML	LLB	TH	28	12/5/92	DRAWING REDRAWN FOR LEGIBILITY PER ENGINEERS REQUEST FOR ORIGINAL SUBMITTAL AND DATE SEE REV. 28	JAG	DD	DD
43	11-08-09	INCORP EC 13560 ECN 16297 (G7, G6)	JAG	DD	DD	39	11-11-08	INCORP DRN (E7) 00-328	DDD	THS	TH
42	7-22-09	INCORP EC 16212	JAG	DD	EJ	40	12-13-01	INCORP DRN (E7) 00-328	JAG	RJC	N/A
41	2-4-04	INCORP DRN 04-145 (B8, C8, D8)	JAG	THS	N/A	41	2-4-04	INCORP DRN 04-145 (B8, C8, D8)	JAG	THS	N/A

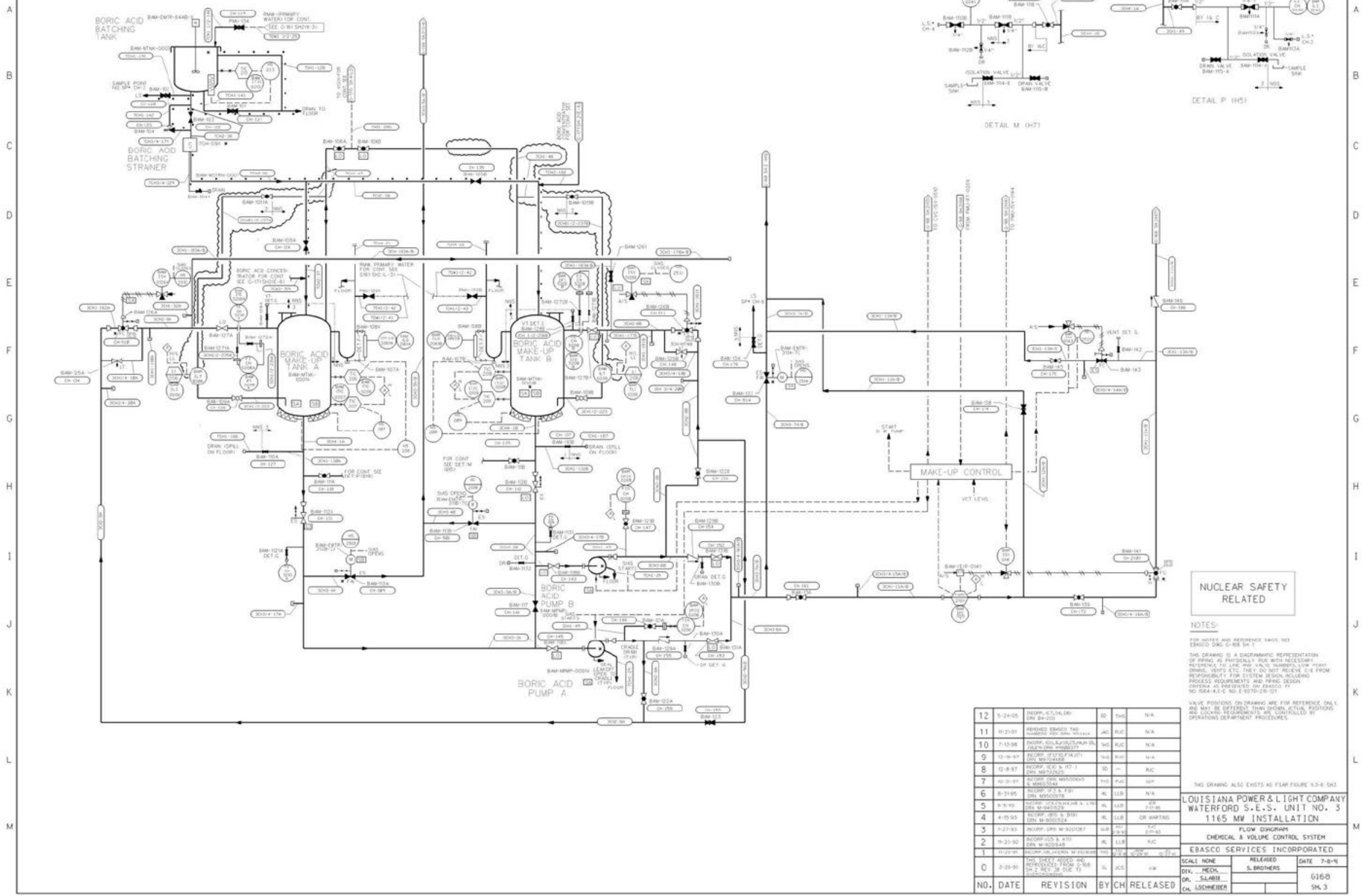
DET. R (G6, G8) DRAINS

DRNH TO EQUIP. DR-SUMP VIA PLUMB. E.D. FOR CONT. SEE G171 SO 3(B13)

INSIDE CONTAINMENT

OUTSIDE CONTAINMENT

G168 SH3



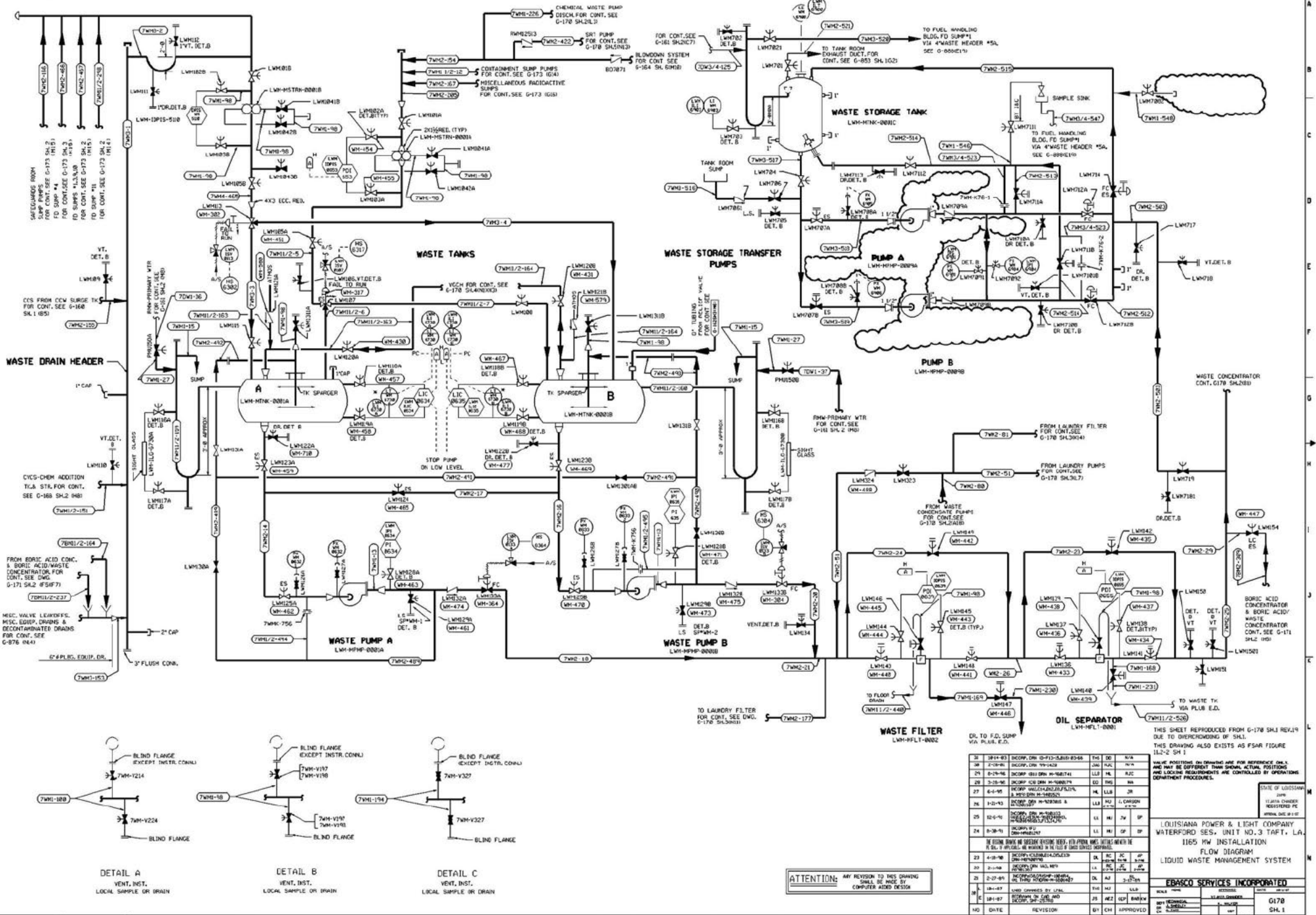
NUCLEAR SAFETY RELATED

NOTES:
 FOR NOTES AND REFERENCE ENDS SEE ENRGO DNG S-68 SH 1.
 THIS DRAWING IS A GRAPHIC REPRESENTATION OF PIPING AS PHYSICALLY RUN WITH NECESSARY RELIEF AND STOP VALVES, TRIMMED TO MEET DESIGN, VERBS ETC. THE Y DO NOT RELIEVE OR FROM RESPONSIBILITY FOR SYSTEM DESIGN INCLUDING PROCESS REQUIREMENTS AND PIPING DESIGN CRITERIA AS APPLICABLE. SEE ENRGO PP NO R04-K-E NO. E-9270-28-01.

NO.	DATE	REVISION	BY	CH	RELEASED
12	1-24-05	ISSUE FOR CONSTRUCTION	SS	END	N/A
11	8-21-01	REVISED ENRGO TAG	JAC	RUC	N/A
10	7-13-98	ISSUE FOR CONSTRUCTION	JAC	RUC	N/A
9	10-18-97	ISSUE FOR CONSTRUCTION	JAC	RUC	N/A
8	10-18-97	ISSUE FOR CONSTRUCTION	JAC	RUC	N/A
7	10-18-97	ISSUE FOR CONSTRUCTION	JAC	RUC	N/A
6	8-31-95	ISSUE FOR CONSTRUCTION	JAC	RUC	N/A
5	8-18-95	ISSUE FOR CONSTRUCTION	JAC	RUC	N/A
4	4-18-95	ISSUE FOR CONSTRUCTION	JAC	RUC	N/A
3	1-21-93	ISSUE FOR CONSTRUCTION	JAC	RUC	N/A
2	7-23-92	ISSUE FOR CONSTRUCTION	JAC	RUC	N/A
1	7-23-92	ISSUE FOR CONSTRUCTION	JAC	RUC	N/A

THIS DRAWING ALSO EXISTS AS FIGURE 3.3-6 SH3
LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1165 MW INSTALLATION

CHEMICAL & VOLUME CONTROL SYSTEM
EBASCO SERVICES INCORPORATED
 SCALE: NONE
 DIV. MECH. S. BRUNERS
 DR. SLABER
 EN. ASCHMEIER
 DATE: 7-8-95
 G168
 SH 3



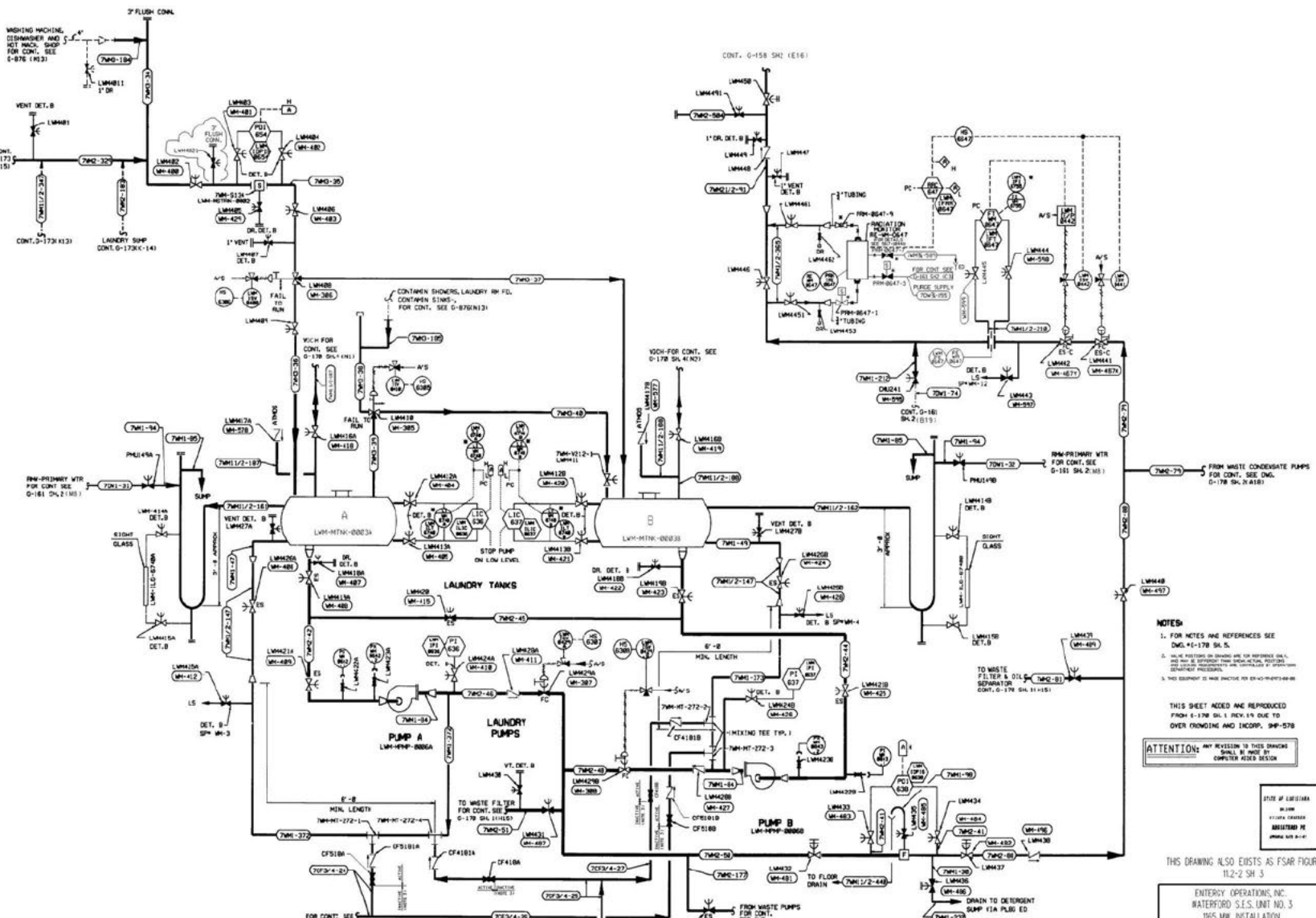
NO.	DATE	REVISION	BY	CHKD.	APP'D.
1	10-1-83	ISSUE FOR CONSTRUCTION	...	...	...
2	10-1-83	...	...	...	...
3	10-1-83	...	...	...	...
4	10-1-83	...	...	...	...
5	10-1-83	...	...	...	...
6	10-1-83	...	...	...	...
7	10-1-83	...	...	...	...
8	10-1-83	...	...	...	...
9	10-1-83	...	...	...	...
10	10-1-83	...	...	...	...
11	10-1-83	...	...	...	...
12	10-1-83	...	...	...	...
13	10-1-83	...	...	...	...
14	10-1-83	...	...	...	...
15	10-1-83	...	...	...	...
16	10-1-83	...	...	...	...
17	10-1-83	...	...	...	...
18	10-1-83	...	...	...	...
19	10-1-83	...	...	...	...
20	10-1-83	...	...	...	...
21	10-1-83	...	...	...	...
22	10-1-83	...	...	...	...
23	10-1-83	...	...	...	...
24	10-1-83	...	...	...	...
25	10-1-83	...	...	...	...
26	10-1-83	...	...	...	...
27	10-1-83	...	...	...	...
28	10-1-83	...	...	...	...
29	10-1-83	...	...	...	...
30	10-1-83	...	...	...	...

ATTENTION: ANY REVISION TO THIS DRAWING SHALL BE MADE BY COMPUTER AIDED DESIGN

THIS SHEET REPRODUCED FROM G-170 SH.1 REV.19 DUE TO OVERCROWDING OF SH.1
 THIS DRAWING ALSO EXISTS AS PSAR FIGURE 11.2-2 SH.1
 HAVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY AND MAY BE DIFFERENT FROM SIGNAL, ACTUAL POSITIONS AND LOCATIONS REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD SES, UNIT NO.3 TAFT, LA.
 1165 MW INSTALLATION
 FLOW DIAGRAM
 LIQUID WASTE MANAGEMENT SYSTEM

ERASCO SERVICES INCORPORATED
 SCALE: AS SHOWN
 DATE: 10-1-83
 G170 SH.1
 FILE NO: 10045



- NOTES:**
1. FOR NOTES AND REFERENCES SEE DWG. # 0-178 SH. 5.
 2. ALL THE PIPING OR DRIVES ARE FOR REFERENCE ONLY, AND THE EXISTING PIPING AND DRIVES ARE TO REMAIN UNLESS OTHERWISE INDICATED OTHERWISE.
 3. THIS DRAWING IS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DESIGNER.

THIS SHEET MADE AND REPRODUCED FROM 0-178 SH. 5. INK IN BLUE TO OVER PRINTING AND INCOMP. 94P-578

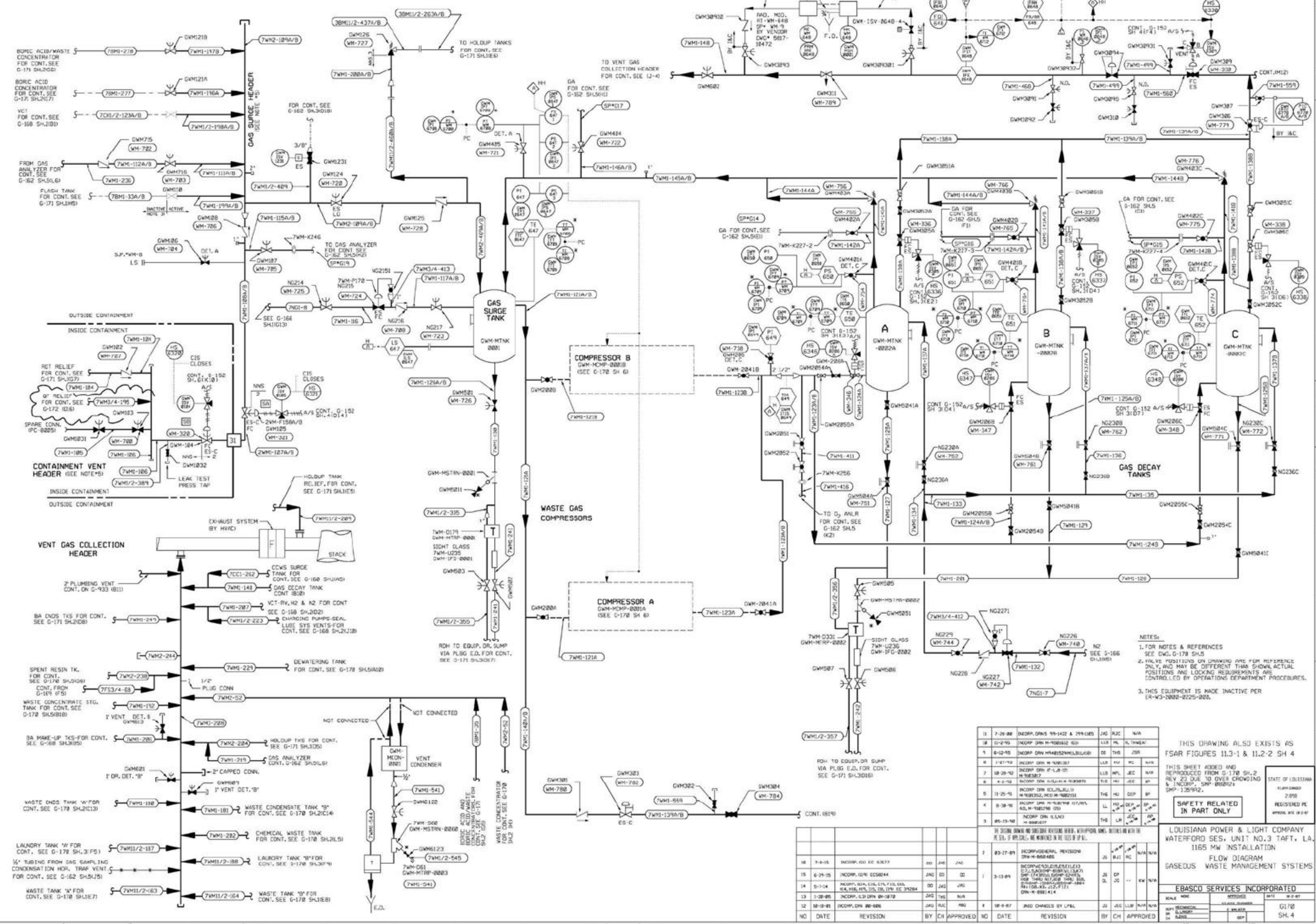
ATTENTION: ANY REVISION TO THIS DRAWING SHALL BE MADE BY COMPUTER AIDED DESIGN

SIZE OF LETTERS
IN INCH
PLATE NUMBER
ASSISTANT PE
JAN 1978 31-1

THIS DRAWING ALSO EXISTS AS FSAR FIGURE 112-2 SH 3

ENTERGY OPERATIONS, INC.
WATERFORD S.E.S. UNIT NO. 3
195 MW INSTALLATION

FLOW DIAGRAM		LIQUID WASTE MANAGEMENT SYSTEM	
1	00-106	ENCOMP. ORN. 00-547	010
2	00-108	ENCOMP. ORN. 00-547	010
3	00-110	ENCOMP. ORN. 00-547	010
4	00-112	ENCOMP. ORN. 00-547	010
5	00-114	ENCOMP. ORN. 00-547	010
6	00-116	ENCOMP. ORN. 00-547	010
7	00-118	ENCOMP. ORN. 00-547	010
8	00-120	ENCOMP. ORN. 00-547	010
9	00-122	ENCOMP. ORN. 00-547	010
10	00-124	ENCOMP. ORN. 00-547	010
11	00-126	ENCOMP. ORN. 00-547	010
12	00-128	ENCOMP. ORN. 00-547	010
13	00-130	ENCOMP. ORN. 00-547	010
14	00-132	ENCOMP. ORN. 00-547	010
15	00-134	ENCOMP. ORN. 00-547	010
16	00-136	ENCOMP. ORN. 00-547	010
17	00-138	ENCOMP. ORN. 00-547	010
18	00-140	ENCOMP. ORN. 00-547	010
19	00-142	ENCOMP. ORN. 00-547	010
20	00-144	ENCOMP. ORN. 00-547	010
21	00-146	ENCOMP. ORN. 00-547	010
22	00-148	ENCOMP. ORN. 00-547	010
23	00-150	ENCOMP. ORN. 00-547	010
24	00-152	ENCOMP. ORN. 00-547	010
25	00-154	ENCOMP. ORN. 00-547	010
26	00-156	ENCOMP. ORN. 00-547	010
27	00-158	ENCOMP. ORN. 00-547	010
28	00-160	ENCOMP. ORN. 00-547	010
29	00-162	ENCOMP. ORN. 00-547	010
30	00-164	ENCOMP. ORN. 00-547	010
31	00-166	ENCOMP. ORN. 00-547	010
32	00-168	ENCOMP. ORN. 00-547	010
33	00-170	ENCOMP. ORN. 00-547	010
34	00-172	ENCOMP. ORN. 00-547	010
35	00-174	ENCOMP. ORN. 00-547	010
36	00-176	ENCOMP. ORN. 00-547	010
37	00-178	ENCOMP. ORN. 00-547	010
38	00-180	ENCOMP. ORN. 00-547	010
39	00-182	ENCOMP. ORN. 00-547	010
40	00-184	ENCOMP. ORN. 00-547	010
41	00-186	ENCOMP. ORN. 00-547	010
42	00-188	ENCOMP. ORN. 00-547	010
43	00-190	ENCOMP. ORN. 00-547	010
44	00-192	ENCOMP. ORN. 00-547	010
45	00-194	ENCOMP. ORN. 00-547	010
46	00-196	ENCOMP. ORN. 00-547	010
47	00-198	ENCOMP. ORN. 00-547	010
48	00-200	ENCOMP. ORN. 00-547	010
49	00-202	ENCOMP. ORN. 00-547	010
50	00-204	ENCOMP. ORN. 00-547	010
51	00-206	ENCOMP. ORN. 00-547	010
52	00-208	ENCOMP. ORN. 00-547	010
53	00-210	ENCOMP. ORN. 00-547	010
54	00-212	ENCOMP. ORN. 00-547	010
55	00-214	ENCOMP. ORN. 00-547	010
56	00-216	ENCOMP. ORN. 00-547	010
57	00-218	ENCOMP. ORN. 00-547	010
58	00-220	ENCOMP. ORN. 00-547	010
59	00-222	ENCOMP. ORN. 00-547	010
60	00-224	ENCOMP. ORN. 00-547	010
61	00-226	ENCOMP. ORN. 00-547	010
62	00-228	ENCOMP. ORN. 00-547	010
63	00-230	ENCOMP. ORN. 00-547	010
64	00-232	ENCOMP. ORN. 00-547	010
65	00-234	ENCOMP. ORN. 00-547	010
66	00-236	ENCOMP. ORN. 00-547	010
67	00-238	ENCOMP. ORN. 00-547	010
68	00-240	ENCOMP. ORN. 00-547	010
69	00-242	ENCOMP. ORN. 00-547	010
70	00-244	ENCOMP. ORN. 00-547	010
71	00-246	ENCOMP. ORN. 00-547	010
72	00-248	ENCOMP. ORN. 00-547	010
73	00-250	ENCOMP. ORN. 00-547	010
74	00-252	ENCOMP. ORN. 00-547	010
75	00-254	ENCOMP. ORN. 00-547	010
76	00-256	ENCOMP. ORN. 00-547	010
77	00-258	ENCOMP. ORN. 00-547	010
78	00-260	ENCOMP. ORN. 00-547	010
79	00-262	ENCOMP. ORN. 00-547	010
80	00-264	ENCOMP. ORN. 00-547	010
81	00-266	ENCOMP. ORN. 00-547	010
82	00-268	ENCOMP. ORN. 00-547	010
83	00-270	ENCOMP. ORN. 00-547	010
84	00-272	ENCOMP. ORN. 00-547	010
85	00-274	ENCOMP. ORN. 00-547	010
86	00-276	ENCOMP. ORN. 00-547	010
87	00-278	ENCOMP. ORN. 00-547	010
88	00-280	ENCOMP. ORN. 00-547	010
89	00-282	ENCOMP. ORN. 00-547	010
90	00-284	ENCOMP. ORN. 00-547	010
91	00-286	ENCOMP. ORN. 00-547	010
92	00-288	ENCOMP. ORN. 00-547	010
93	00-290	ENCOMP. ORN. 00-547	010
94	00-292	ENCOMP. ORN. 00-547	010
95	00-294	ENCOMP. ORN. 00-547	010
96	00-296	ENCOMP. ORN. 00-547	010
97	00-298	ENCOMP. ORN. 00-547	010
98	00-300	ENCOMP. ORN. 00-547	010
99	00-302	ENCOMP. ORN. 00-547	010
100	00-304	ENCOMP. ORN. 00-547	010
101	00-306	ENCOMP. ORN. 00-547	010
102	00-308	ENCOMP. ORN. 00-547	010
103	00-310	ENCOMP. ORN. 00-547	010
104	00-312	ENCOMP. ORN. 00-547	010
105	00-314	ENCOMP. ORN. 00-547	010
106	00-316	ENCOMP. ORN. 00-547	010
107	00-318	ENCOMP. ORN. 00-547	010
108	00-320	ENCOMP. ORN. 00-547	010
109	00-322	ENCOMP. ORN. 00-547	010
110	00-324	ENCOMP. ORN. 00-547	010
111	00-326	ENCOMP. ORN. 00-547	010
112	00-328	ENCOMP. ORN. 00-547	010
113	00-330	ENCOMP. ORN. 00-547	010
114	00-332	ENCOMP. ORN. 00-547	010
115	00-334	ENCOMP. ORN. 00-547	010
116	00-336	ENCOMP. ORN. 00-547	010
117	00-338	ENCOMP. ORN. 00-547	010
118	00-340	ENCOMP. ORN. 00-547	010
119	00-342	ENCOMP. ORN. 00-547	010
120	00-344	ENCOMP. ORN. 00-547	010
121	00-346	ENCOMP. ORN. 00-547	010
122	00-348	ENCOMP. ORN. 00-547	010
123	00-350	ENCOMP. ORN. 00-547	010
124	00-352	ENCOMP. ORN. 00-547	010
125	00-354	ENCOMP. ORN. 00-547	010
126	00-356	ENCOMP. ORN. 00-547	010
127	00-358	ENCOMP. ORN. 00-547	010
128	00-360	ENCOMP. ORN. 00-547	010
129	00-362	ENCOMP. ORN. 00-547	010
130	00-364	ENCOMP. ORN. 00-547	010
131	00-366	ENCOMP. ORN. 00-547	010
132	00-368	ENCOMP. ORN. 00-547	010
133	00-370	ENCOMP. ORN. 00-547	010
134	00-372	ENCOMP. ORN. 00-547	010
135	00-374	ENCOMP. ORN. 00-547	010
136	00-376	ENCOMP. ORN. 00-547	010
137	00-378	ENCOMP. ORN. 00-547	010
138	00-380	ENCOMP. ORN. 00-547	010
139	00-382	ENCOMP. ORN. 00-547	010
140	00-384	ENCOMP. ORN. 00-547	010
141	00-386	ENCOMP. ORN. 00-547	010
142	00-388	ENCOMP. ORN. 00-547	010
143	00-390	ENCOMP. ORN. 00-547	010
144	00-392	ENCOMP. ORN. 00-547	010
145	00-394	ENCOMP. ORN. 00-547	010
146	00-396	ENCOMP. ORN. 00-547	010
147	00-398	ENCOMP. ORN. 00-547	010
148	00-400	ENCOMP. ORN. 00-547	010
149	00-402	ENCOMP. ORN. 00-547	010
150	00-404	ENCOMP. ORN. 00-547	010
151	00-406	ENCOMP. ORN. 00-547	010
152	00-408	ENCOMP. ORN. 00-547	010
153	00-410	ENCOMP. ORN. 00-547	010
154	00-412	ENCOMP. ORN. 00-547	010
155	00-414	ENCOMP. ORN. 00-547	010
156	00-416	ENCOMP. ORN. 00-547	010
157	00-418	ENCOMP. ORN. 00-547	010
158	00-420	ENCOMP. ORN. 00-547	010
159	00-422	ENCOMP. ORN. 00-547	010
160	00-424	ENCOMP. ORN. 00-547	010
161	00-426	ENCOMP. ORN. 00-547	010
162	00-428	ENCOMP. ORN. 00-547	010
163	00-430	ENCOMP. ORN. 00-547	010
164	00-432	ENCOMP. ORN. 00-547	010
165	00-434	ENCOMP. ORN. 00-547	010
166	00-436	ENCOMP. ORN. 00-547	010
167	00-438	ENCOMP. ORN. 00-547	010
168	00-440	ENCOMP. ORN. 00-547	010
169	00-442	ENCOMP. ORN. 00-547	010
170	00-444	ENCOMP. ORN. 00-547	010
171	00-446	ENCOMP. ORN. 00-547	010
172	00-448	ENCOMP. ORN. 00-547	010
173	00-450	ENCOMP. ORN. 00-547	010
174	00-452	ENCOMP. ORN. 00-547	010
175	00-454	ENCOMP. ORN. 00-547	010
176	00-456	ENCOMP. ORN. 00-547	010
177	00-458	ENCOMP. ORN. 00-547	010
178	00-460	ENCOMP. ORN. 00-547	010
179	00-462	ENCOMP. ORN. 00-547	010
180	00-464	ENCOMP. ORN. 00-547	010
181	00-466	ENCOMP. ORN. 00-547	010
182	00-468	ENCOMP. ORN. 00-547	010
183	00-470	ENCOMP. ORN. 00-547	010
184	00-472	ENCOMP. ORN. 00-547	010
185	00-474	ENCOMP. ORN. 00-547	010
186	00-476	ENCOMP. ORN. 00-547	010
187	00-478	ENCOMP. ORN. 00-547	010
188	00-480	ENCOMP. ORN. 00-547	010
189	00-482	ENCOMP. ORN. 00-547	010
190	00-484	ENCOMP. ORN. 00-547	010
191	00-486	ENCOMP. ORN. 00-547	010
192	00-488	ENCOMP. ORN. 00-547	010
193	00-490	ENCOMP. ORN. 00-547	010
194	00-492	ENCOMP. ORN. 00-547	010
195	00-494	ENCOMP. ORN. 00-547	010
196	00-496	ENCOMP. ORN. 00-547	010
197	00-498	ENCOMP. ORN. 00-547	010
198	00-500	ENCOMP. ORN. 00-547	010
199	00-502	ENCOMP. ORN. 00-547	010
200	00-504	ENCOMP. ORN. 00-547	010
201	00-506	ENCOMP. ORN. 00-547	010
202	00-508	ENCOMP. ORN. 00-547	010
203	00-510	ENCOMP. ORN. 00-547	010
204	00-512	ENCOMP. ORN. 00-547	010
205	00-514	ENCOMP. ORN. 00-547	010
206	00-516	ENCOMP. ORN. 00-547	010
207	00-518	ENCOMP. ORN. 00-547	



- NOTES:
1. FOR NOTES & REFERENCES SEE ENG. G-170 SH.5
 2. ALL VALVE POSITIONS ON DRAWINGS ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.
 3. THIS EQUIPMENT IS MADE INACTIVE PER SA-W-2002-0225-020.

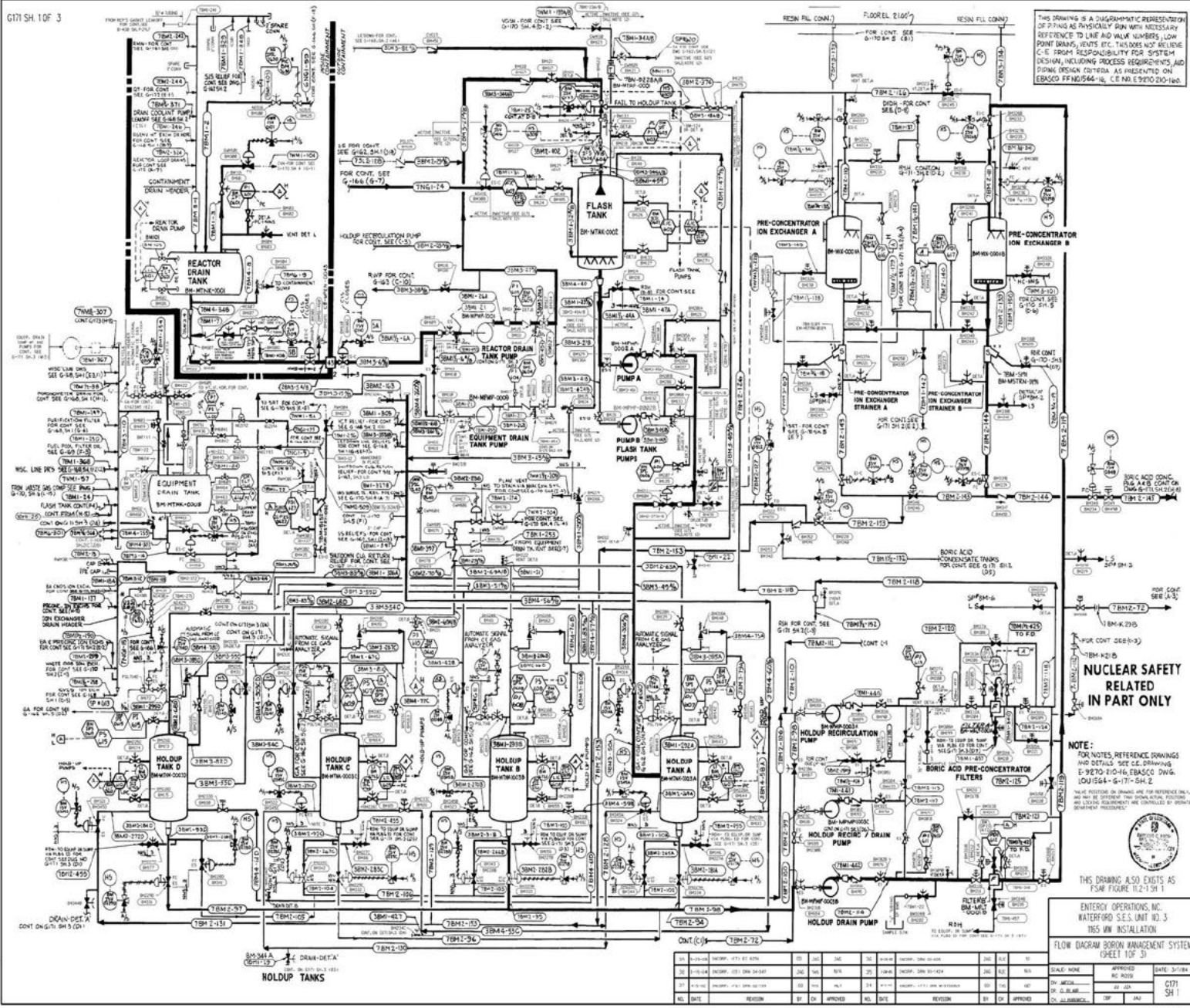
11	7-28-88	INCOMP. DWS 199-1442 & 199-1885	JAG	RJC	N/A
12	8-12-88	INCOMP. DWS 199-1442 & 199-1885	JAG	RJC	N/A
13	8-12-88	INCOMP. DWS 199-1442 & 199-1885	JAG	RJC	N/A
14	8-12-88	INCOMP. DWS 199-1442 & 199-1885	JAG	RJC	N/A
15	8-12-88	INCOMP. DWS 199-1442 & 199-1885	JAG	RJC	N/A
16	8-12-88	INCOMP. DWS 199-1442 & 199-1885	JAG	RJC	N/A
17	8-12-88	INCOMP. DWS 199-1442 & 199-1885	JAG	RJC	N/A
18	8-12-88	INCOMP. DWS 199-1442 & 199-1885	JAG	RJC	N/A
19	8-12-88	INCOMP. DWS 199-1442 & 199-1885	JAG	RJC	N/A
20	8-12-88	INCOMP. DWS 199-1442 & 199-1885	JAG	RJC	N/A

THIS DRAWING ALSO EXISTS AS FSAR FIGURES 11.3-1 & 11.2-2 SH.4

THIS SHEET ADDED AND REPRODUCED FROM G-170 SH.2 REV. 23. DATE 03/29/02 DURING THE 2002 SAFETY RELATED IN PART ONLY

LOUISIANA POWER & LIGHT COMPANY WATERFORD SEAS, UNIT NO.3 TAFT, LA. 1165 MW INSTALLATION FLOW DIAGRAM GASEOUS WASTE MANAGEMENT SYSTEMS

EBCASO SERVICES INCORPORATED	
SCALE: NONE	REVISIONS: NONE
DATE: 01/70	DATE: 02-20-02
BY: [Signature]	APPROVED: [Signature]
CH: [Signature]	APPROVED: [Signature]



THIS DRAWING IS A DIAGRAMMATIC REPRESENTATION OF PIPING AS PHYSICALLY RUN WITH NECESSARY REFERENCES TO LINE AND VALVE NUMBERS, LOW POINT DRAINS, VENTS, ETC. THIS DOES NOT RELIEVE C.E. FROM RESPONSIBILITY FOR SYSTEM DESIGN, INCLUDING PROCESS REQUIREMENTS, AND PIPING DESIGN CONFORMS AS INDICATED ON EBASCO FF-9210-16, C.E. NO. E-9210-210-160.

NUCLEAR SAFETY RELATED IN PART ONLY

NOTE:
FOR NOTES, REFERENCE DRAWINGS AND DETAILS, SEE C.E. DRAWING E-9210-210-16, EBASCO DWG. NO. 1044-G-17-54-2
WHERE PROVIDED OR SHOWN ARE FOR REFERENCE ONLY AND ARE NOT TO BE CONSIDERED AS OPERATIONAL REQUIREMENTS. ALL DESIGN REQUIREMENTS ARE CONTROLLED BY APPROVED DRAWING PROCEDURES.

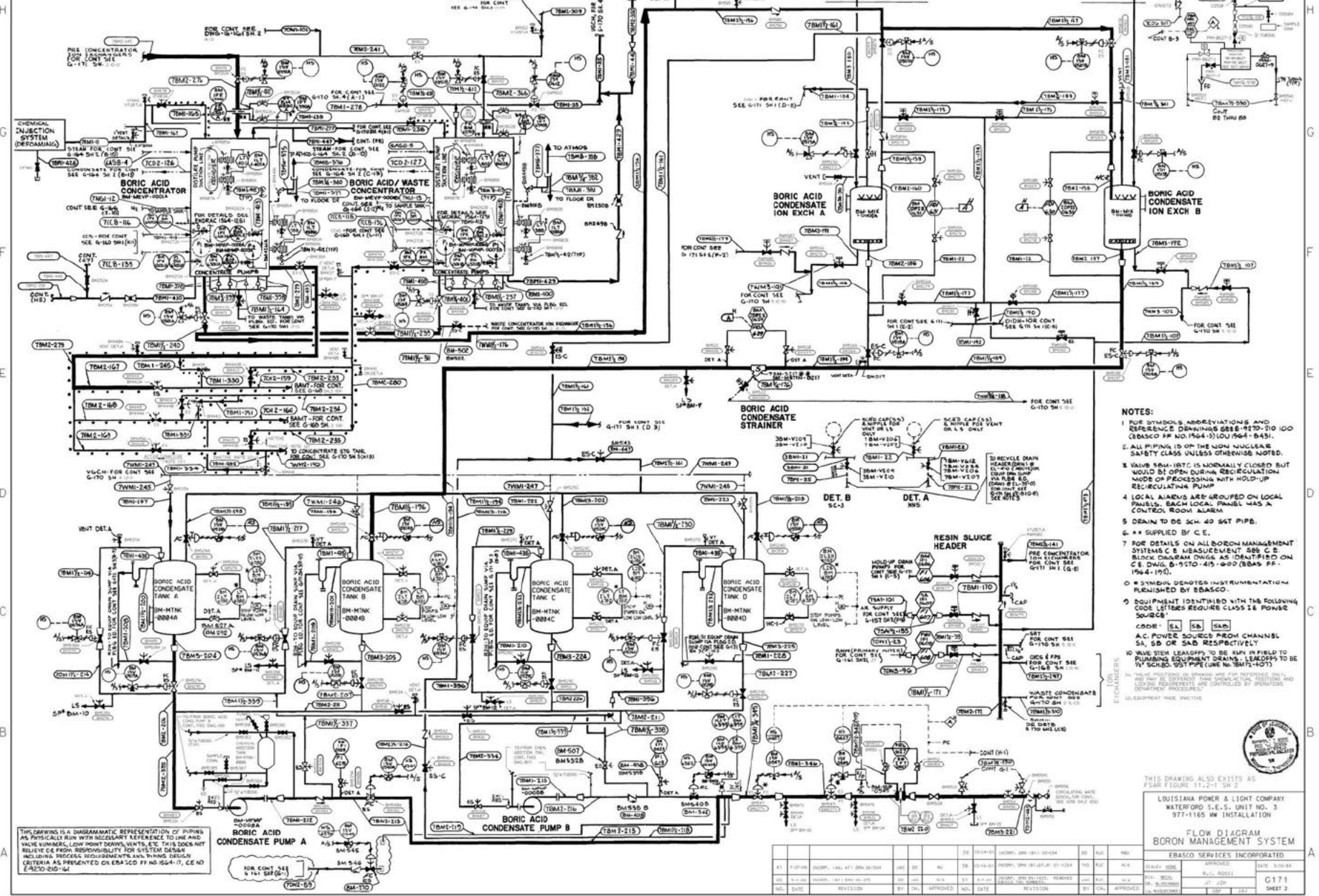


THIS DRAWING ALSO EXISTS AS FSAM FIGURE 11-2-131 1

ENTERTY OPERATIONS, INC.
WATERFORD S.E.S. UNIT NO. 3
165 MW INSTALLATION

FLOW DIAGRAM BORON MANAGEMENT SYSTEM
(SHEET 10F 3)

NO.	DATE	DESCRIPTION	BY	CHK	APP'D	NO.	DATE	DESCRIPTION	BY	CHK	APP'D
1	11-2-72	ISSUED FOR CONSTRUCTION	...	...	...	2	11-2-72	...	...	...	...
2	11-2-72	...	...	...	...	3	11-2-72	...	...	...	...
3	11-2-72	...	...	...	...	4	11-2-72	...	...	...	...
4	11-2-72	...	...	...	...	5	11-2-72	...	...	...	...
5	11-2-72	...	...	...	...	6	11-2-72	...	...	...	...
6	11-2-72	...	...	...	...	7	11-2-72	...	...	...	...
7	11-2-72	...	...	...	...	8	11-2-72	...	...	...	...
8	11-2-72	...	...	...	...	9	11-2-72	...	...	...	...
9	11-2-72	...	...	...	...	10	11-2-72	...	...	...	...



THIS DRAWING IS A DIAGRAMMATIC REPRESENTATION OF PIPING AS PHYSICALLY RUN WITH NECESSARY REFERENCE TO LINE AND VALVE NUMBERS, LOW POINT DRAINS, WENTS, ETC. THIS DOES NOT RELIEVE OR FROM RESPONSIBILITY FOR SYSTEM DESIGN INCLUDING PROCESS REQUIREMENTS, TANK, PUMP DESIGN CRITERIA AS PRESENTED ON EBASCO PP NO 1564-17, CE NO E-ACIO-210-164

- NOTES:**
- 1 FOR SYMBOLS ABBREVIATIONS AND REFERENCE DRAWINGS SEE B-970-100 (EBASCO PP NO. 1564-13) (OU 1564-B-51).
 - 2 ALL PIPING IS OF THE LOW MOLECULAR SAFETY CLASS UNLESS OTHERWISE NOTED.
 - 3 VALVE 98M-107C IS NORMALLY CLOSED BUT WOULD BE OPEN DURING RECIRCULATION MODE OF PROCESSING WITH HOLD-UP RECIRCULATING PUMP.
 - 4 LOCAL ALARMS ARE GROUPED ON LOCAL PANELS. EACH LOCAL PANEL HAS A CONTROL ROOM ALARM.
 - 5 DRAIN TO BE SCH. 40 SGT PIPE.
 - 6 ** SUPPLIED BY C.E.
 - 7 FOR DETAILS ON ALL BORON MANAGEMENT SYSTEMS C.E. MEASUREMENT SEE C.E. BLOCK DIAGRAM DWG. AS IDENTIFIED ON C.E. DIAG. B-970-415-000 (EBASCO PP. 1564-195).
 - 8 ** SYMBOLS DENOTES INSTRUMENTATION FURNISHED BY EBASCO.
 - 9 EQUIPMENT IDENTIFIED WITH THE FOLLOWING CODE LETTERS REQUIRE CLASS 1E POWER SOURCE:
 CODE: SA SB SAA
 A.C. POWER SOURCE FROM CHANNEL SA, SB OR SAA RESPECTIVELY
 - 10 WASTE STEAM LEAKOFFS TO BE RUN IN FIELD TO MAINTAIN EQUIPMENT DRAINS. LEAKOFFS TO BE IN SCHED. 30ST PIPE (LINE NO. TBM-1-407)
 - 11 THIS DRAWING IS A DIAGRAMMATIC REPRESENTATION OF PIPING AS PHYSICALLY RUN WITH NECESSARY REFERENCE TO LINE AND VALVE NUMBERS, LOW POINT DRAINS, WENTS, ETC. THIS DOES NOT RELIEVE OR FROM RESPONSIBILITY FOR SYSTEM DESIGN INCLUDING PROCESS REQUIREMENTS, TANK, PUMP DESIGN CRITERIA AS PRESENTED ON EBASCO PP NO 1564-17, CE NO E-ACIO-210-164
 - 12 EQUIPMENT MADE IN U.S.A.



THIS DRAWING ALSO EXISTS AS
 PSAR FIGURE 11-2-1 SH. 2

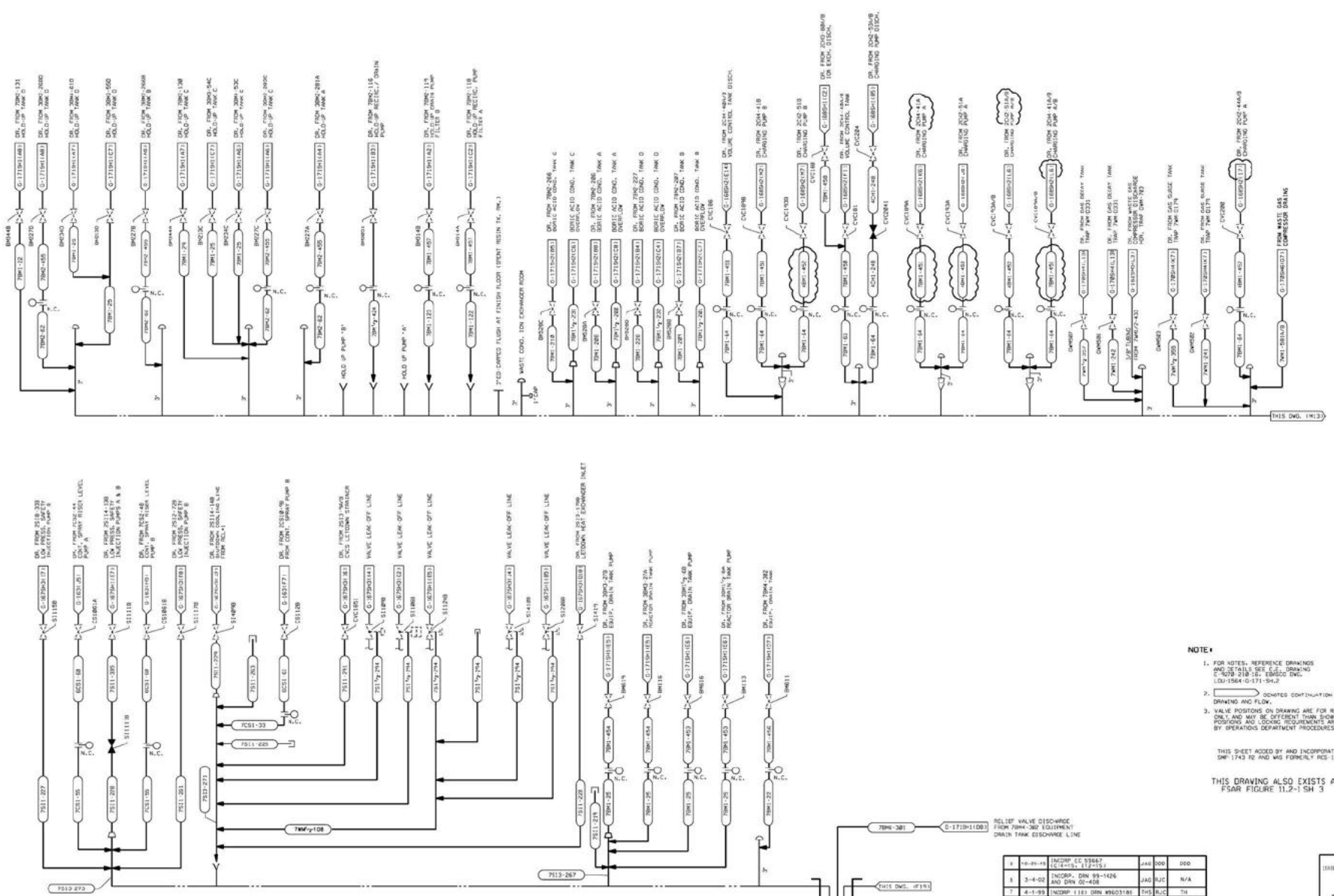
LOUISIANA POWER & LIGHT COMPANY
 WATERFORD S.E.S. UNIT NO. 3
 977-1165 MW INSTALLATION

**FLOW DIAGRAM
 BORON MANAGEMENT SYSTEM**

EBASCO SERVICES INCORPORATED

NO.	DATE	REVISION	BY	CHK.	APPROVED	NO.	DATE	REVISION	BY	CHK.	APPROVED
11	1-27-68	REPRY, 186, 477, 200, 20-504	JRS	SS	ML	28	12-14-67	REPRY, 200, 181, 11, 20-504	SS	ML	ML
10	1-10-68	REPRY, 181, 180, 180, 20-505	JRS	SS	ML	27	12-14-67	REPRY, 200, 181, 11, 20-504	SS	ML	ML
9	1-10-68	REPRY, 181, 180, 180, 20-505	JRS	SS	ML	27	12-14-67	REPRY, 200, 181, 11, 20-504	SS	ML	ML

DATE: 3-20-68
 APPROVED: [Signature]
 SHEET 2
 G171



NOTE

- FOR NOTES, REFERENCE DRAWINGS AND SPECIFICATIONS, SEE THE DRAWING LIST AND THE PROJECT MANUAL.
- SHAPES INDICATE CONFIGURATION DRAWING AND FLOW.
- VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY AND MAY BE DIFFERENT THAN SHOWN ACTUAL POSITIONS AND COORDINATE REQUIREMENTS ARE CONTROLLED BY OPERATOR'S COMPETENT PROFESSIONAL.

THIS SHEET ACCED BY AND INCORPORATES SHEET 1743 R2 AND WAS FORMERLY R2C-1743 W-62

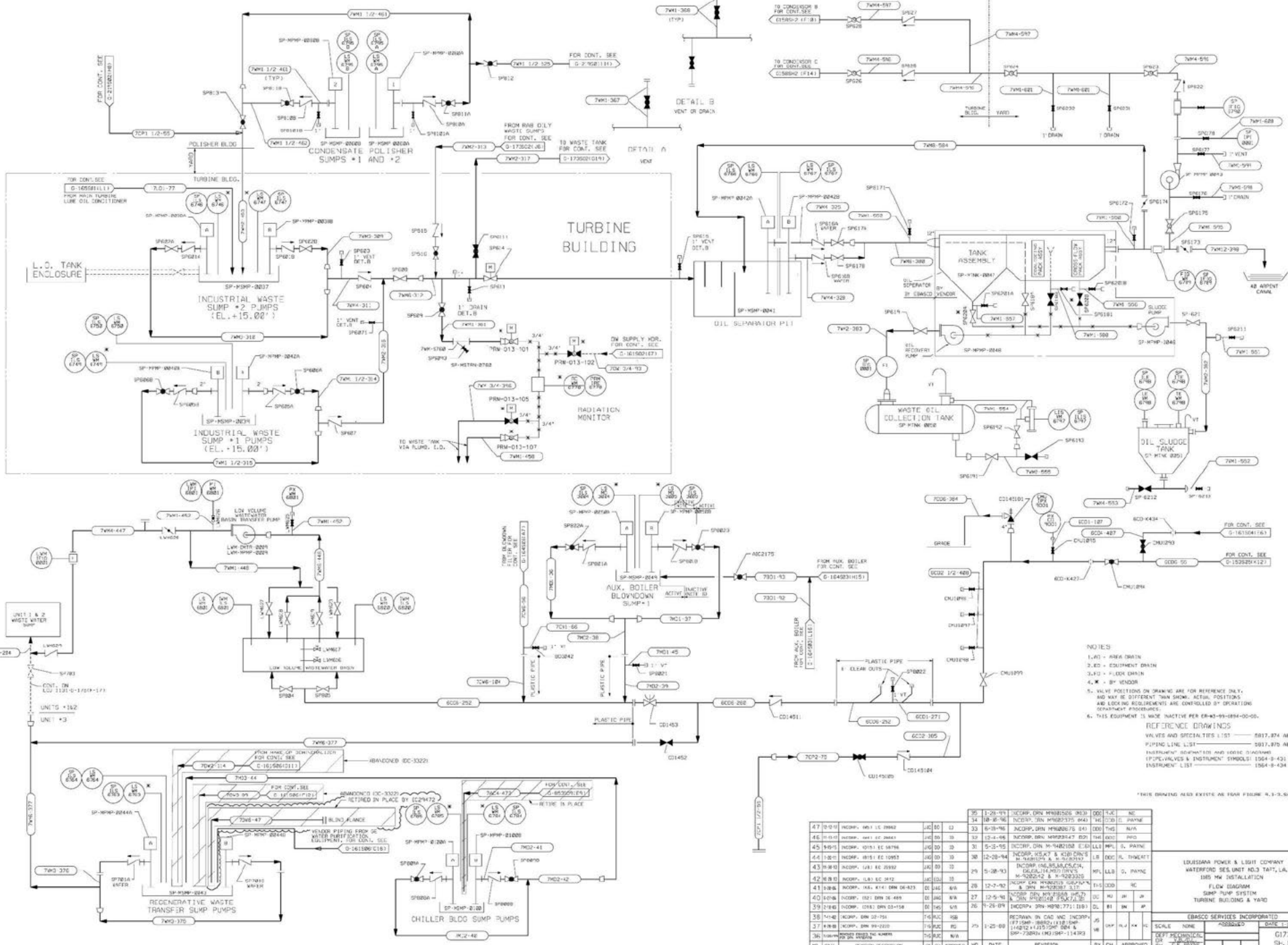
THIS DRAWING ALSO EXISTS AS FSAR FIGURE 11.2-1 SH 3

NO.	DATE	REVISION	BY	CHK	APPROVED
1	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
2	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
3	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
4	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
5	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
6	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
7	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
8	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
9	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
10	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
11	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
12	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
13	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
14	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
15	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
16	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
17	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
18	11-14-88	INCORP. 11.2-1 SH 3	...	...	...
19	11-14-88	INCORP. 11.2-1 SH 3	...	...	...

STATE OF LOUISIANA
 REGISTERED PROFESSIONAL ENGINEER
 REGISTERED PE
 JUNE 15, 1988

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD SEC. UNIT NO. 3 (GT), L.A.
 1155 MW INSTALLATION
 FLOW DIAGRAM
 BORO MANAGEMENT SYSTEM

BASCO SERVICES INCORPORATED	
SCALE	DATE
AS SHOWN	11-14-88
BY	...
CHK	...
APP	...
DATE	11-14-88
REVISION	...
BY	...
CHK	...
APP	...
DATE	11-14-88



NOTES

1. 40' - AREA DRAIN
2. E2 - EQUIPMENT DRAIN
3. F10 - FLOOD DRAIN
4. * - BY VENDOR

5. VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY. AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

6. THIS EQUIPMENT IS MADE INACTIVE PER ER-43-99-000-000.

REFERENCE DRAWINGS

VALVES AND SPECIALTIES LIST - 8817, 874, 868

PIPING LINE LIST - 8917, 875, 868

INSTRUMENT SYMBOLS AND INSTRUMENT FUNCTIONS LIST - 1564-B-434

INSTRUMENT SYMBOLS LIST - 1564-B-434

THIS DRAWING AND EXIST AS SHOWN FIGURE 4.3-3.5.4.1

NO.	DATE	DESCRIPTION	BY	CHKD.	APP'D.	REVISION
47	10-05	INCOMP. 401 LC 2992	LJC	BC	JD	
48	10-05	INCOMP. 401 LC 2992	LJC	BC	JD	
49	10-05	INCOMP. 401 LC 2992	LJC	BC	JD	
50	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	
51	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	
52	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	
53	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	
54	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	
55	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	
56	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	
57	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	
58	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	
59	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	
60	11-20-79	INCOMP. 401 LC 2992	LJC	BC	JD	

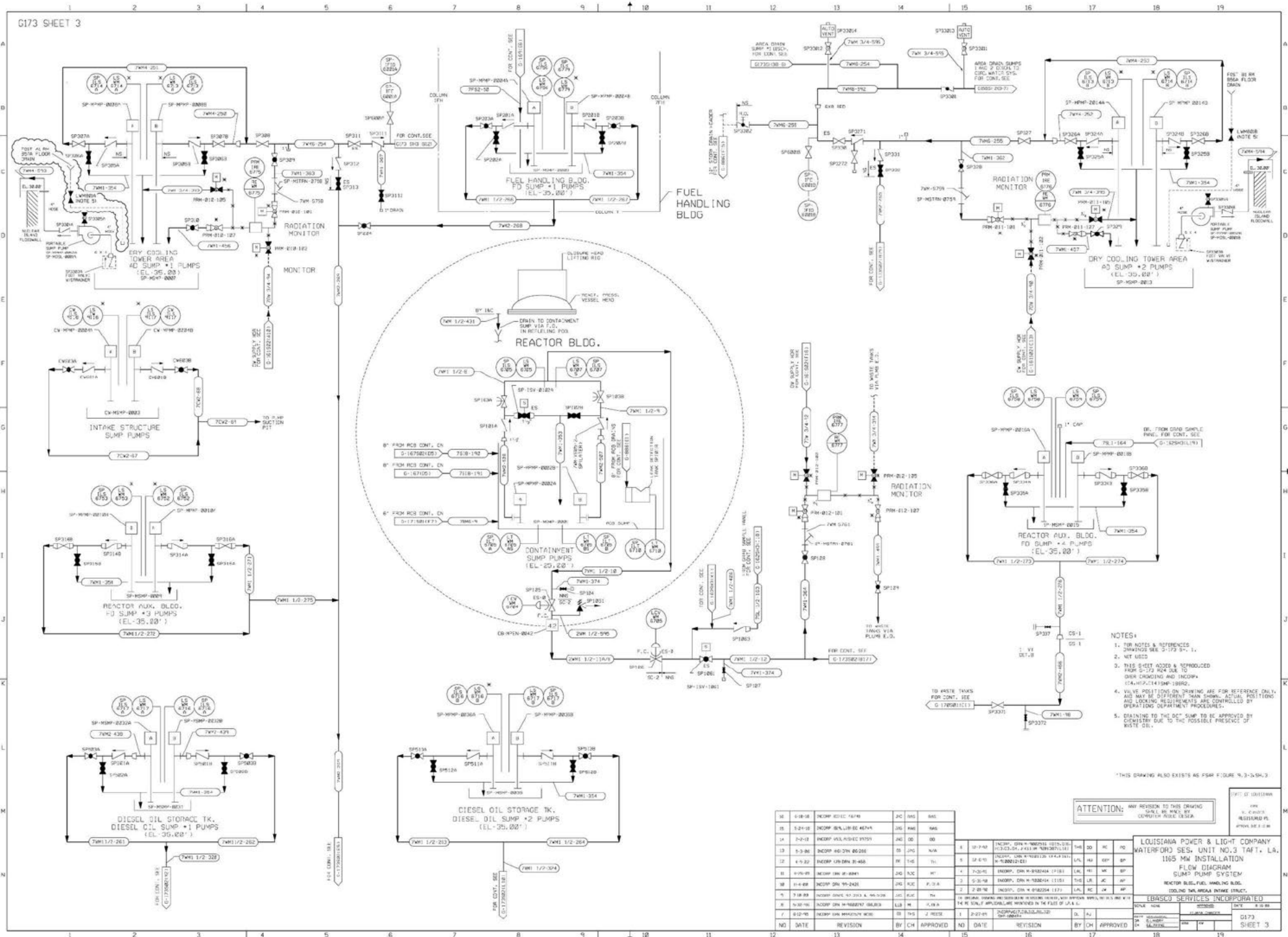
LOUISIANA POWER & LIGHT COMPANY
WATERFORD SEG UNIT #03 TACT, LA
185 MW INSTALLATION
FLOW DIAGRAM
SUMP PUMP SYSTEM
TURBINE BUILDING & YARD

(BASIC SERVICES INCORPORATED)

SCALE: NAME: POSITIONS: DATE: 10-88

DEPT: PROJECT: G173

DR: SHEET: 51-1



- NOTES:
- FOR NOTES & REFERENCES DRAWINGS SEE 3-173-1-1.
 - NOT USED.
 - THIS SHEET ACCES & REPRODUCED FROM 3-173-1-10. OVER CIRCUMFERENCE AND INCREASE (14, 11, 11, 11) 10MP-1982.
 - VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY. ACTUAL POSITIONS ARE CONTROLLED BY OPERATING DEPARTMENT PROCEDURES.
 - DRAINING TO THE DEC. SUMP TO BE APPROVED BY CENTER DUE TO THE POSSIBLE PRESENCE OF WASTE OIL.

*THIS DRAWING ALSO EXISTS AS P&ID FIGURE 4.3-34-34.3.

ATTENTION: ANY REVISION TO THIS DRAWING SHALL BE MADE BY COMPLETE P&ID DESIGN.

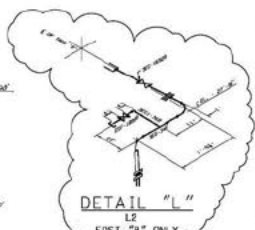
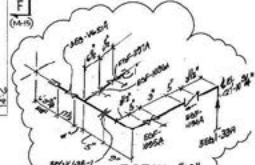
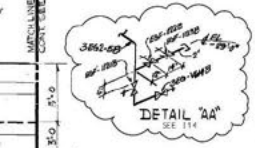
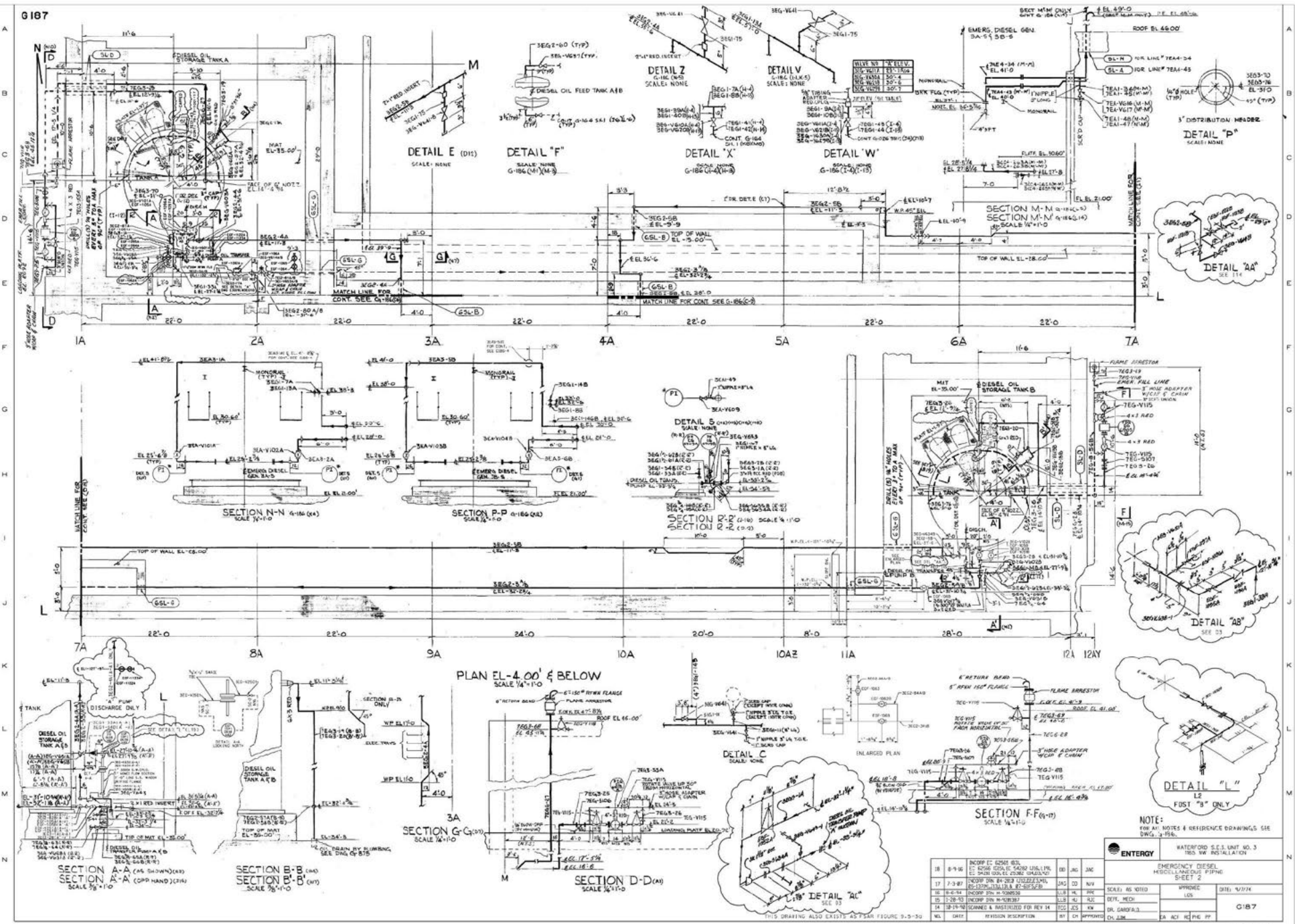
NO	DATE	REVISION	BY	CHK	APPROVED	NO	DATE	REVISION	BY	CHK	APPROVED
16	6-18-78	INCOMP. REV. 1476	JAC	MS	MS						
15	5-21-78	INCOMP. REV. 1475	JAC	MS	MS						
14	7-2-77	INCOMP. REV. 1474	JAC	MS	MS						
13	5-3-78	INCOMP. REV. 1473	JAC	MS	MS						
12	4-9-77	INCOMP. REV. 1472	RE	MS	MS						
11	6-17-77	INCOMP. REV. 1471	JAC	MS	MS						
10	11-4-77	INCOMP. REV. 1470	JAC	MS	MS						
9	7-18-77	INCOMP. REV. 1469	JAC	MS	MS						
8	5-31-76	INCOMP. REV. 1468	LJA	MS	MS						
7	8-27-76	INCOMP. REV. 1467	JAC	MS	MS						

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD SES. UNIT NO. 3 T&T. LA.
 1165 MW INSTALLATION
 FLOW DIAGRAM
 SUMP PUMP SYSTEM
 REACTOR BLDG., FUEL HANDLING BLDG.,
 COOLING TOWER AREA INTAKE STRUCT.

LSI/SO SERVICES INCORPORATED
 1100 N. W. 10th St.
 Ft. Lauderdale, FL 33304
 (305) 463-1111

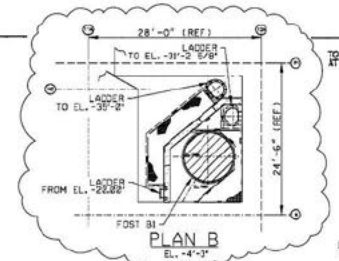
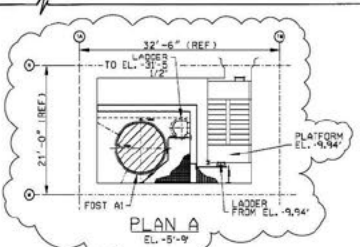
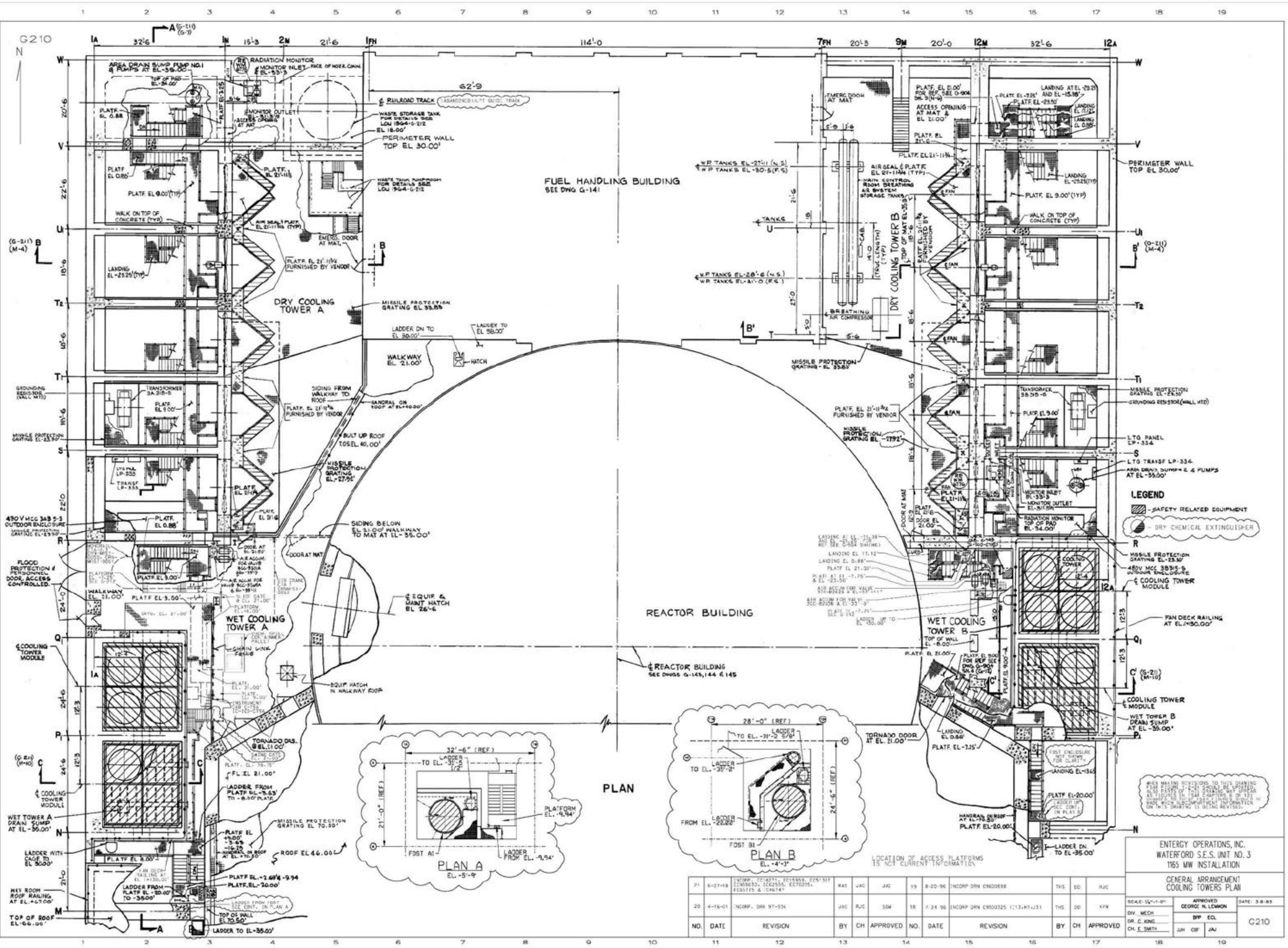
DATE: 6-18-78
 DRAWN BY: JAC
 CHECKED BY: MS
 APPROVED BY: MS

DWG NO: G173
 SHEET 3



NOTE:
FOR ALL NOTES & REFERENCE DRAWINGS, SEE
DWG. 3-156.

ENTERGY WATERFOOD S.E.S. UNIT NO. 3 TRIS VAPOR INSTALLATION		EMERGENCY DIESEL HOODS MAKEOUT W/PIPE SHEET 2			
18	6-9-76	INSTR. C. 620	ED	JAC	JAC
17	7-3-77	INSTR. C. 620	JAC	ED	JAC
16	8-24-74	INSTR. C. 620	JAC	ED	JAC
15	1-28-73	INSTR. C. 620	JAC	ED	JAC
14	10-19-70	SCANNED & REINSTATED FOR REV. 14	JAC	ED	JAC
13	6-17-70	REVISION DESCRIPTION	BY	CHK	APP



ENTERGY OPERATIONS, INC.
WATERFORD S.E.S. UNIT NO. 3
1765 MW INSTALLATION

GENERAL ARRANGEMENT COOLING TOWERS PLAN

NO.	DATE	REVISION	BY	CH	APPROVED	NO.	DATE	REVISION	BY	CH	APPROVED
19	8-20-96	INCORP. DRN C850225	JAC	JAC		19	8-20-96	INCORP. DRN C850225	JAC	JAC	
20	4-16-01	INCORP. DRN 97-936	JAC	R/C		20	4-16-01	INCORP. DRN C850225 (13.8.1) J21	JAC	R/C	

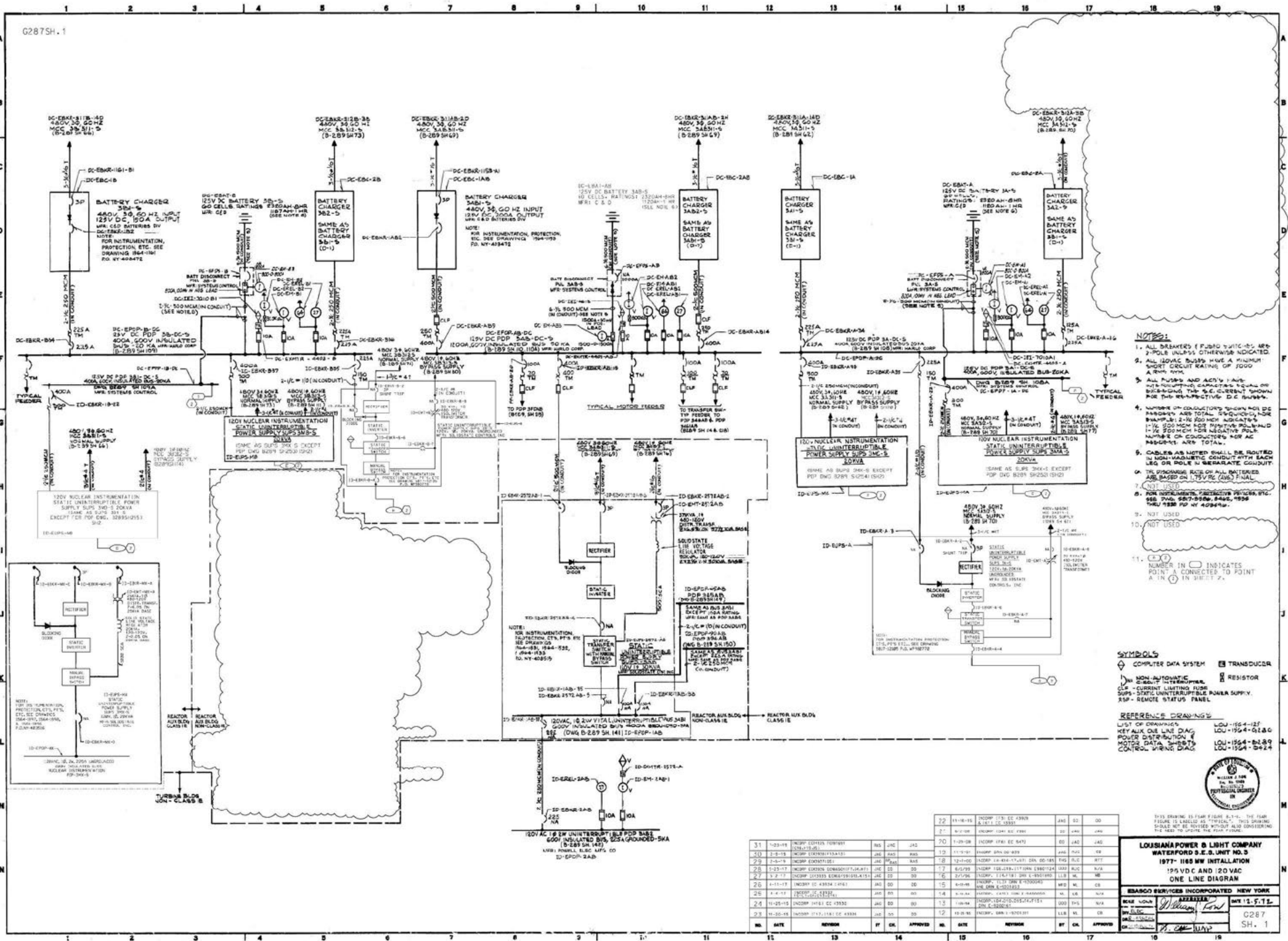
SCALE: 1/4"=1'-0"
APPROVED: GEORGE N. LEWIS
DR. MCH. DR. C. KING
CH. E. SMITH

DATE: 3-8-03
BPP ECL
JUN 08 JAN

G210

LOCATION OF ACCESS PLATFORMS IS NOT CURRENT INFORMATION

NO.	DATE	REVISION	BY	CH	APPROVED	NO.	DATE	REVISION	BY	CH	APPROVED
19	8-20-96	INCORP. DRN C850225	JAC	JAC		19	8-20-96	INCORP. DRN C850225	JAC	JAC	
20	4-16-01	INCORP. DRN 97-936	JAC	R/C		20	4-16-01	INCORP. DRN C850225 (13.8.1) J21	JAC	R/C	



- NOTES:**
1. ALL BREAKERS IF FUSED SWITCHES ARE 2-POLE UNLESS OTHERWISE INDICATED
 2. ALL 150V DC BUSSES HAVE A MINIMUM SHORT CIRCUIT RATING OF 1000 A RMS RMS
 3. ALL FUSES AND ACTUATORS ARE TO BE INSTALLED IN THE LINE OF THE CIRCUIT SHOWN FOR THE RESPECTIVE D.C. BUSSES
 4. NUMBER OF CONDUCTORS SHOWN ARE FOR THE TOTAL EQUIVALENT WIRE BUNDLE 2-1/2 INCH SQUARES 1-1/2 INCH ROUND AND POSITIVE POLARITY 1-1/2 INCH ROUND NEGATIVE POLARITY NUMBER OF CONDUCTORS PER AC CIRCUIT ARE TOTAL.
 5. CABLES AND WIRE SHALL BE ROUTED IN NON-HAZARDOUS CONDUIT WITH EACH LEG OR POLE IN SEPARATE CONDUIT.
 6. THE CROSSING RATE OF ALL WIRING SHALL BE BASED ON 1/8" PER (AND) FINAL NOT USED
 7. FOR INSTRUMENTATION PROTECTION, SEE DRAWING 1564-118-100 THROUGH 1564-118-105
 8. NOT USED
 9. NOT USED
 10. NOT USED
 11. (C) IN A SQUARE INDICATES POINT A CONNECTED TO POINT A IN SHEET 2.

- SYMBOLS**
- COMPUTER DATA SYSTEM
 - NON-AUTOMATIC SWITCH INTERRUPTER
 - CURRENT LIMITING FUSE
 - UNINTERRUPTIBLE POWER SUPPLY
 - REMOTE STATUS PANEL
- REFERENCE DRAWINGS**
- LIST OF DRAWINGS: LOU-1564-128, LOU-1564-018-0, LOU-1564-018-1, LOU-1564-018-2, LOU-1564-018-3, LOU-1564-018-4, LOU-1564-018-5, LOU-1564-018-6, LOU-1564-018-7, LOU-1564-018-8, LOU-1564-018-9, LOU-1564-018-10, LOU-1564-018-11, LOU-1564-018-12, LOU-1564-018-13, LOU-1564-018-14, LOU-1564-018-15, LOU-1564-018-16, LOU-1564-018-17, LOU-1564-018-18, LOU-1564-018-19, LOU-1564-018-20, LOU-1564-018-21, LOU-1564-018-22, LOU-1564-018-23, LOU-1564-018-24, LOU-1564-018-25, LOU-1564-018-26, LOU-1564-018-27, LOU-1564-018-28, LOU-1564-018-29, LOU-1564-018-30, LOU-1564-018-31, LOU-1564-018-32, LOU-1564-018-33, LOU-1564-018-34, LOU-1564-018-35, LOU-1564-018-36, LOU-1564-018-37, LOU-1564-018-38, LOU-1564-018-39, LOU-1564-018-40, LOU-1564-018-41, LOU-1564-018-42, LOU-1564-018-43, LOU-1564-018-44, LOU-1564-018-45, LOU-1564-018-46, LOU-1564-018-47, LOU-1564-018-48, LOU-1564-018-49, LOU-1564-018-50, LOU-1564-018-51, LOU-1564-018-52, LOU-1564-018-53, LOU-1564-018-54, LOU-1564-018-55, LOU-1564-018-56, LOU-1564-018-57, LOU-1564-018-58, LOU-1564-018-59, LOU-1564-018-60, LOU-1564-018-61, LOU-1564-018-62, LOU-1564-018-63, LOU-1564-018-64, LOU-1564-018-65, LOU-1564-018-66, LOU-1564-018-67, LOU-1564-018-68, LOU-1564-018-69, LOU-1564-018-70, LOU-1564-018-71, LOU-1564-018-72, LOU-1564-018-73, LOU-1564-018-74, LOU-1564-018-75, LOU-1564-018-76, LOU-1564-018-77, LOU-1564-018-78, LOU-1564-018-79, LOU-1564-018-80, LOU-1564-018-81, LOU-1564-018-82, LOU-1564-018-83, LOU-1564-018-84, LOU-1564-018-85, LOU-1564-018-86, LOU-1564-018-87, LOU-1564-018-88, LOU-1564-018-89, LOU-1564-018-90, LOU-1564-018-91, LOU-1564-018-92, LOU-1564-018-93, LOU-1564-018-94, LOU-1564-018-95, LOU-1564-018-96, LOU-1564-018-97, LOU-1564-018-98, LOU-1564-018-99, LOU-1564-018-100

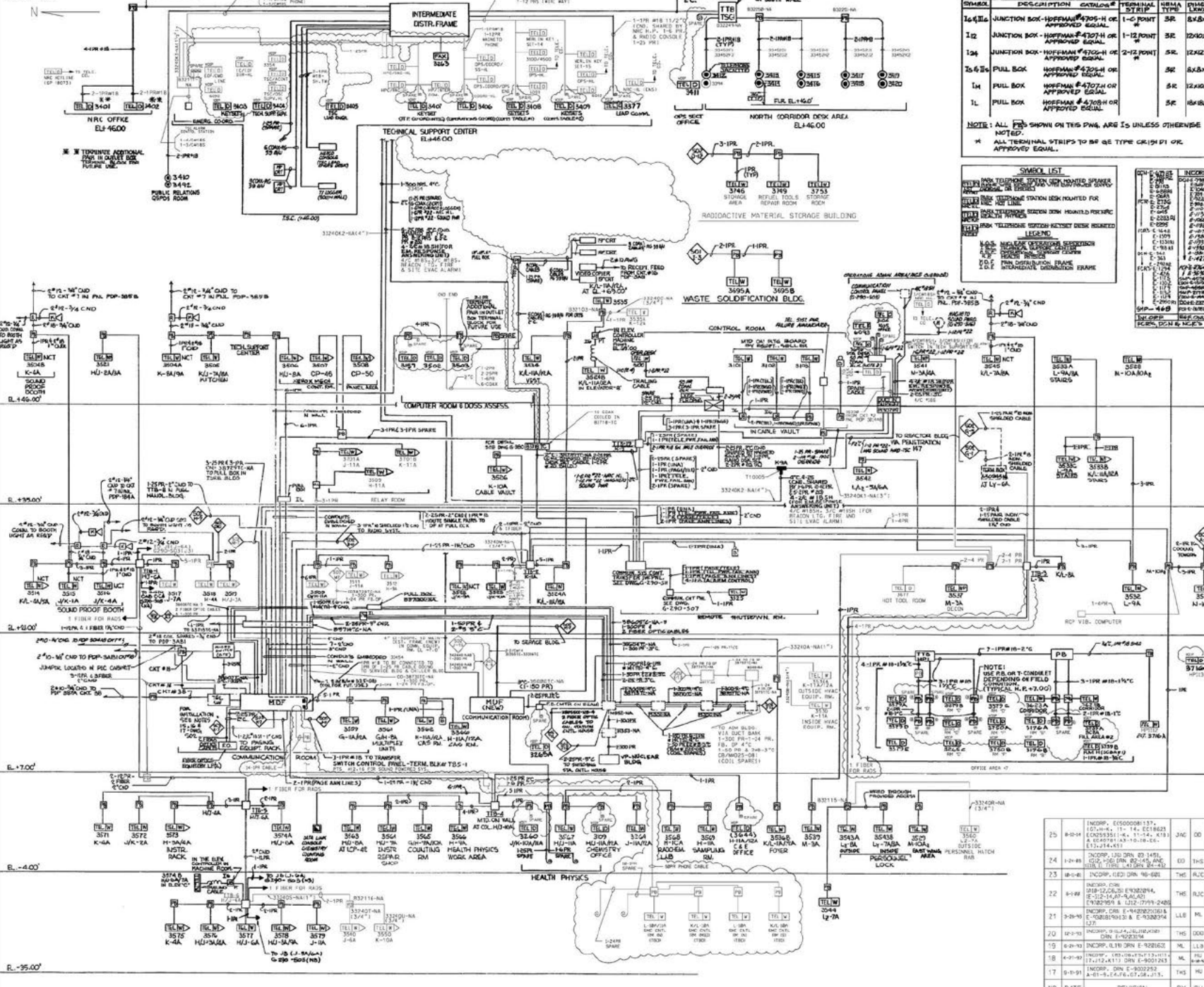
NO.	DATE	REVISION	BY	CHK.	APPROVED	NO.	DATE	REVISION	BY	CHK.	APPROVED
31	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	32	11-16-19	INSTRUMENTATION	JAC	JD	JD
30	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	31	11-16-19	INSTRUMENTATION	JAC	JD	JD
29	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	30	1-23-19	INSTRUMENTATION	JAC	JD	JD
28	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	29	1-23-19	INSTRUMENTATION	JAC	JD	JD
27	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	28	1-23-19	INSTRUMENTATION	JAC	JD	JD
26	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	27	1-23-19	INSTRUMENTATION	JAC	JD	JD
25	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	26	1-23-19	INSTRUMENTATION	JAC	JD	JD
24	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	25	1-23-19	INSTRUMENTATION	JAC	JD	JD
23	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	24	1-23-19	INSTRUMENTATION	JAC	JD	JD
22	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	23	1-23-19	INSTRUMENTATION	JAC	JD	JD
21	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	22	1-23-19	INSTRUMENTATION	JAC	JD	JD
20	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	21	1-23-19	INSTRUMENTATION	JAC	JD	JD
19	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	20	1-23-19	INSTRUMENTATION	JAC	JD	JD
18	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	19	1-23-19	INSTRUMENTATION	JAC	JD	JD
17	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	18	1-23-19	INSTRUMENTATION	JAC	JD	JD
16	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	17	1-23-19	INSTRUMENTATION	JAC	JD	JD
15	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	16	1-23-19	INSTRUMENTATION	JAC	JD	JD
14	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	15	1-23-19	INSTRUMENTATION	JAC	JD	JD
13	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	14	1-23-19	INSTRUMENTATION	JAC	JD	JD
12	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	13	1-23-19	INSTRUMENTATION	JAC	JD	JD
11	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	12	1-23-19	INSTRUMENTATION	JAC	JD	JD
10	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	11	1-23-19	INSTRUMENTATION	JAC	JD	JD
9	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	10	1-23-19	INSTRUMENTATION	JAC	JD	JD
8	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	9	1-23-19	INSTRUMENTATION	JAC	JD	JD
7	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	8	1-23-19	INSTRUMENTATION	JAC	JD	JD
6	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	7	1-23-19	INSTRUMENTATION	JAC	JD	JD
5	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	6	1-23-19	INSTRUMENTATION	JAC	JD	JD
4	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	5	1-23-19	INSTRUMENTATION	JAC	JD	JD
3	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	4	1-23-19	INSTRUMENTATION	JAC	JD	JD
2	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	3	1-23-19	INSTRUMENTATION	JAC	JD	JD
1	1-23-19	REPAIR EXISTING POWER	MS	JAC	JAC	2	1-23-19	INSTRUMENTATION	JAC	JD	JD



LOUISIANA POWER & LIGHT COMPANY
WATERFORD D.S. UNIT NO. 3
1977-1988 MW INSTALLATION
150V DC AND 20V AC
ONE LINE DIAGRAM

SCALE: 1" = 100'
 DATE: 1/23/19
 SHEET: G287 SH. 1

G290 S01



SYMBOL	DESCRIPTION	DETAILS	TERMINAL STRIP	TERMINAL TYPE	TERMINAL NO.
12	JUNCTION BOX - HOFFMAN #4707-H OR APPROVED EQUAL	1-1/2 POINT	SR	SR	120106
13	JUNCTION BOX - HOFFMAN #4707-H OR APPROVED EQUAL	1-1/2 POINT	SR	SR	120106
14	JUNCTION BOX - HOFFMAN #4707-H OR APPROVED EQUAL	2-1/2 POINT	SR	SR	120106
15	FULL BOX - HOFFMAN #4707-H OR APPROVED EQUAL		SR	SR	120106
16	FULL BOX - HOFFMAN #4707-H OR APPROVED EQUAL		SR	SR	120106

NOTE: ALL PINS SHOWN ON THIS DRAWING ARE 15 UNLESS OTHERWISE NOTED.
* ALL TERMINAL STRIPS TO BE OF THE TYPE SHOWN ON APPROVED EQUAL.

SYMBOL	DESCRIPTION	DETAILS	TERMINAL STRIP	TERMINAL TYPE	TERMINAL NO.
17	ROUND REFLEX HORN LOUDSPEAKER				
18	FLAMING DRAGON LIGHT, 200V, 40W				
19	PARK TELEPHONE STATION WALL MOUNTED EQUIPPED WITH 25 FT. LONG INTRACTABLE CORD				
20	PARK TELEPHONE STATION WALL MOUNTED EQUIPPED WITH 25 FT. LONG INTRACTABLE CORD				
21	PARK TELEPHONE STATION WALL MOUNTED EQUIPPED WITH 25 FT. LONG INTRACTABLE CORD				
22	PARK TELEPHONE STATION WALL MOUNTED EQUIPPED WITH 25 FT. LONG INTRACTABLE CORD				
23	PARK TELEPHONE STATION WALL MOUNTED EQUIPPED WITH 25 FT. LONG INTRACTABLE CORD				
24	PARK TELEPHONE STATION WALL MOUNTED EQUIPPED WITH 25 FT. LONG INTRACTABLE CORD				
25	PARK TELEPHONE STATION WALL MOUNTED EQUIPPED WITH 25 FT. LONG INTRACTABLE CORD				

- SYMBOL LIST**
- 10-1 SOUND POWERED HORN LOUDSPEAKER
 - 10-2 SOUND POWERED HORN LOUDSPEAKER
 - 10-3 SOUND POWERED HORN LOUDSPEAKER
 - 10-4 SOUND POWERED HORN LOUDSPEAKER
 - 10-5 SOUND POWERED HORN LOUDSPEAKER
 - 10-6 SOUND POWERED HORN LOUDSPEAKER
 - 10-7 SOUND POWERED HORN LOUDSPEAKER
 - 10-8 SOUND POWERED HORN LOUDSPEAKER
 - 10-9 SOUND POWERED HORN LOUDSPEAKER
 - 10-10 SOUND POWERED HORN LOUDSPEAKER
 - 10-11 SOUND POWERED HORN LOUDSPEAKER
 - 10-12 SOUND POWERED HORN LOUDSPEAKER
 - 10-13 SOUND POWERED HORN LOUDSPEAKER
 - 10-14 SOUND POWERED HORN LOUDSPEAKER
 - 10-15 SOUND POWERED HORN LOUDSPEAKER
 - 10-16 SOUND POWERED HORN LOUDSPEAKER
 - 10-17 SOUND POWERED HORN LOUDSPEAKER
 - 10-18 SOUND POWERED HORN LOUDSPEAKER
 - 10-19 SOUND POWERED HORN LOUDSPEAKER
 - 10-20 SOUND POWERED HORN LOUDSPEAKER
 - 10-21 SOUND POWERED HORN LOUDSPEAKER
 - 10-22 SOUND POWERED HORN LOUDSPEAKER
 - 10-23 SOUND POWERED HORN LOUDSPEAKER
 - 10-24 SOUND POWERED HORN LOUDSPEAKER
 - 10-25 SOUND POWERED HORN LOUDSPEAKER
 - 10-26 SOUND POWERED HORN LOUDSPEAKER
 - 10-27 SOUND POWERED HORN LOUDSPEAKER
 - 10-28 SOUND POWERED HORN LOUDSPEAKER
 - 10-29 SOUND POWERED HORN LOUDSPEAKER
 - 10-30 SOUND POWERED HORN LOUDSPEAKER
 - 10-31 SOUND POWERED HORN LOUDSPEAKER
 - 10-32 SOUND POWERED HORN LOUDSPEAKER
 - 10-33 SOUND POWERED HORN LOUDSPEAKER
 - 10-34 SOUND POWERED HORN LOUDSPEAKER
 - 10-35 SOUND POWERED HORN LOUDSPEAKER
 - 10-36 SOUND POWERED HORN LOUDSPEAKER
 - 10-37 SOUND POWERED HORN LOUDSPEAKER
 - 10-38 SOUND POWERED HORN LOUDSPEAKER
 - 10-39 SOUND POWERED HORN LOUDSPEAKER
 - 10-40 SOUND POWERED HORN LOUDSPEAKER
 - 10-41 SOUND POWERED HORN LOUDSPEAKER
 - 10-42 SOUND POWERED HORN LOUDSPEAKER
 - 10-43 SOUND POWERED HORN LOUDSPEAKER
 - 10-44 SOUND POWERED HORN LOUDSPEAKER
 - 10-45 SOUND POWERED HORN LOUDSPEAKER
 - 10-46 SOUND POWERED HORN LOUDSPEAKER
 - 10-47 SOUND POWERED HORN LOUDSPEAKER
 - 10-48 SOUND POWERED HORN LOUDSPEAKER
 - 10-49 SOUND POWERED HORN LOUDSPEAKER
 - 10-50 SOUND POWERED HORN LOUDSPEAKER

NO.	DATE	REVISION	BY	CH	APPROVED
25	8-18-88	INCORP. ETS00008R137	JAC	DD	DD
24	1-24-88	INCORP. JSD 008 00 144	ED	TRIS	N/A
23	8-18-88	INCORP. CSD 008 00 060	TRIS	TRIS	N/A
22	8-18-88	INCORP. JSD 008 00 144	ED	TRIS	N/A
21	3-28-88	INCORP. CSD 008 00 060	TRIS	TRIS	N/A
20	8-18-88	INCORP. JSD 008 00 144	ED	TRIS	N/A
19	8-18-88	INCORP. JSD 008 00 144	ED	TRIS	N/A
18	8-18-88	INCORP. JSD 008 00 144	ED	TRIS	N/A
17	8-18-88	INCORP. JSD 008 00 144	ED	TRIS	N/A

REFERENCE DRAWINGS

TEL. CABLE SYST. DIAGRAM G-290-S01
 CABLE SYST. DATA G-290-S02
 TEL. CABLE CONNECTION DIAGRAM G-290-S03
 CABLE SYST. WIRING DIAGRAM G-290-S04

NOTES:

1. USE OF TELEPHONE EXCHANGE NUMBERS HAS BEEN PROVIDED BY LINE.

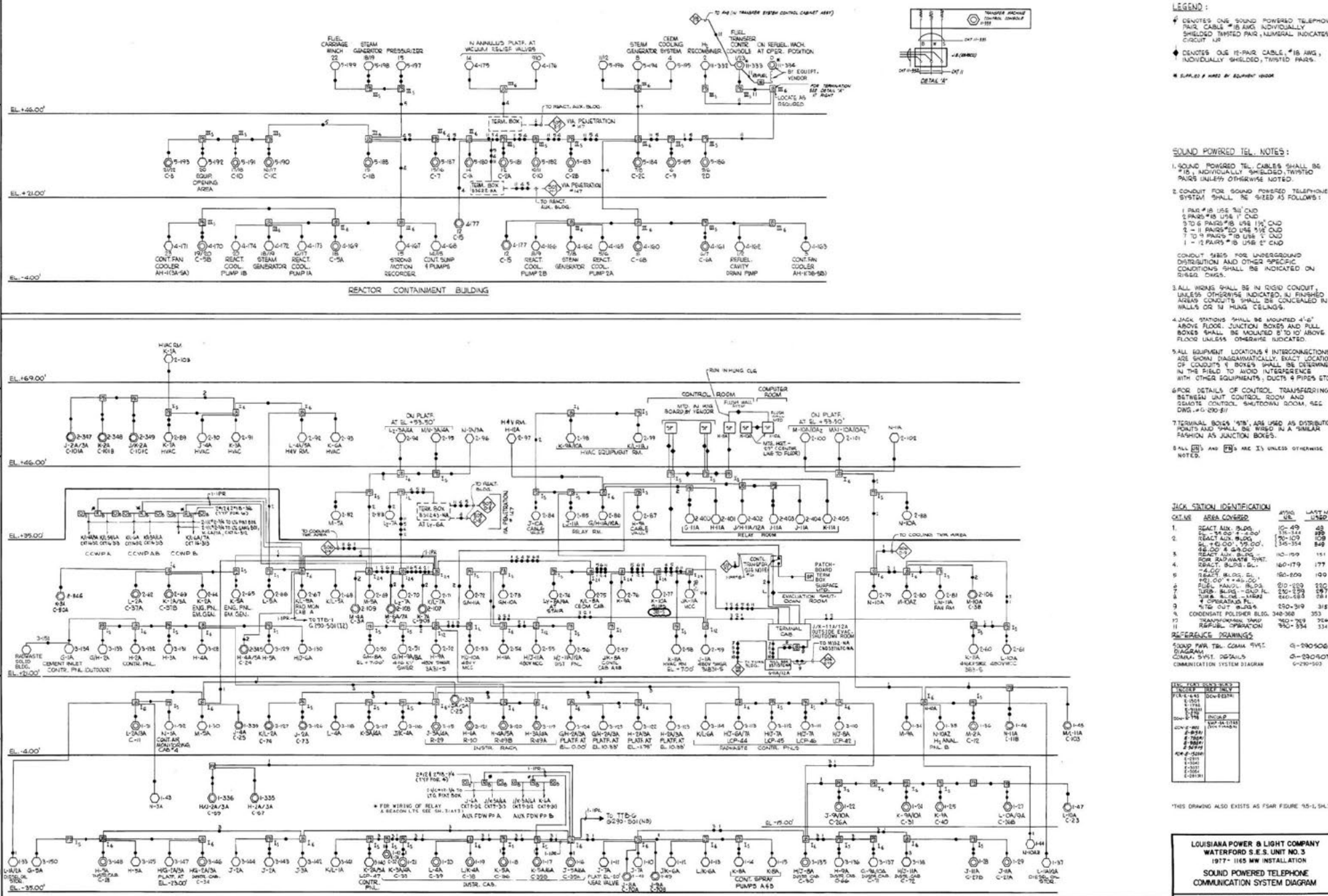
2. DRAWINGS ONLY 2-1/2" X 3-1/2" (SHEETING) CANNOT BE USED IN CONSTRUCTION.

3. SHALL SO PAIR TELEPHONE CABLES ARE 36 PAIR OR MORE.

ENTERGY OPERATIONS, INC.
 WATERDOW S.E.S. UNIT NO. 3
 105 MS INSTALLATION

TELEPHONE COMMUNICATION SYSTEM DIAGRAM

SCALE: AS SHOWN DATE: 5-31-76
 S. SANDFORTH
 G290
 S01



LEGEND:

- ◆ DEVOTES ONE SOUND POWERED TELEPHONE PAIR, CABLE #18 AWG, INDIVIDUALLY SHIELDED, TWISTED PAIR, NUMERICAL INDICATES CIRCUIT ID.
- ◆ DEVOTES ONE 12-PAIR CABLE, #18 AWG, INDIVIDUALLY SHIELDED, TWISTED PAIRS.
- ◆ EQUIP. # INDICATES EQUIPMENT IDENTIFICATION.

SOUND POWERED TEL. NOTES:

1. SOUND POWERED TEL. CABLES SHALL BE #18 INDIVIDUALLY SHIELDED, TWISTED PAIRS UNLESS OTHERWISE NOTED.
2. CONDUIT FOR SOUND POWERED TELEPHONE SYSTEM SHALL BE SIZED AS FOLLOWS:
 - 1 PAIR #18 USE 3/4" CND
 - 2 TO 5 PAIRS #18 USE 1" CND
 - 6 TO 10 PAIRS #18 USE 1 1/2" CND
 - 11 TO 15 PAIRS #18 USE 2" CND
 - 16 TO 25 PAIRS #18 USE 2 1/2" CND
3. ALL WIRING SHALL BE IN RIGID CONDUIT, UNLESS OTHERWISE INDICATED. IN FINISHED WALLS CONDUITS SHALL BE CONCEALED IN WALLS OR IN HUNG CEILING.
4. JACK STATIONS SHALL BE MOUNTED 4'6" ABOVE FLOOR. JUNCTION BOXES AND PULL BOXES SHALL BE MOUNTED 8" TO 10" ABOVE FLOOR UNLESS OTHERWISE INDICATED.
5. ALL EQUIPMENT LOCATIONS & INTERCONNECTIONS ARE SHOWN DIAGMATICALLY. EXACT LOCATION OF CONDUITS & BOXES SHALL BE DETERMINED IN THE FIELD TO AVOID INTERFERENCE WITH OTHER EQUIPMENTS, DUCTS & PIPES ETC.
6. FOR DETAILS OF CONTROL TRANSFERRING BETWEEN UNIT CONTROL ROOM AND EQUIPS CONTROL SHUTDOWN ROOM, SEE DWG. # G-290-511.
7. TERMINAL BOXES 'TB' ARE USED AS DISTRIBUTION POINTS AND SHALL BE WIRED IN A SIMILAR FASHION AS JUNCTION BOXES.
8. ALL 'C' AND 'S' ARE 3C UNLESS OTHERWISE NOTED.

JACK STATION IDENTIFICATION

LINE	AREA COVERED	PHONE NO.	LAST 16
1	REACT AUX. BLDG.	10-49	48
2	REACT. AUX. BLDG.	10-100	109
3	REACT. AUX. BLDG.	10-101	109
4	REACT. AUX. BLDG.	10-102	109
5	REACT. AUX. BLDG.	10-103	109
6	REACT. AUX. BLDG.	10-104	109
7	REACT. AUX. BLDG.	10-105	109
8	REACT. AUX. BLDG.	10-106	109
9	REACT. AUX. BLDG.	10-107	109
10	REACT. AUX. BLDG.	10-108	109
11	REACT. AUX. BLDG.	10-109	109
12	REACT. AUX. BLDG.	10-110	109
13	REACT. AUX. BLDG.	10-111	109
14	REACT. AUX. BLDG.	10-112	109
15	REACT. AUX. BLDG.	10-113	109
16	REACT. AUX. BLDG.	10-114	109
17	REACT. AUX. BLDG.	10-115	109
18	REACT. AUX. BLDG.	10-116	109
19	REACT. AUX. BLDG.	10-117	109
20	REACT. AUX. BLDG.	10-118	109
21	REACT. AUX. BLDG.	10-119	109
22	REACT. AUX. BLDG.	10-120	109
23	REACT. AUX. BLDG.	10-121	109
24	REACT. AUX. BLDG.	10-122	109
25	REACT. AUX. BLDG.	10-123	109
26	REACT. AUX. BLDG.	10-124	109
27	REACT. AUX. BLDG.	10-125	109
28	REACT. AUX. BLDG.	10-126	109
29	REACT. AUX. BLDG.	10-127	109
30	REACT. AUX. BLDG.	10-128	109
31	REACT. AUX. BLDG.	10-129	109
32	REACT. AUX. BLDG.	10-130	109
33	REACT. AUX. BLDG.	10-131	109
34	REACT. AUX. BLDG.	10-132	109
35	REACT. AUX. BLDG.	10-133	109
36	REACT. AUX. BLDG.	10-134	109
37	REACT. AUX. BLDG.	10-135	109
38	REACT. AUX. BLDG.	10-136	109
39	REACT. AUX. BLDG.	10-137	109
40	REACT. AUX. BLDG.	10-138	109
41	REACT. AUX. BLDG.	10-139	109
42	REACT. AUX. BLDG.	10-140	109
43	REACT. AUX. BLDG.	10-141	109
44	REACT. AUX. BLDG.	10-142	109
45	REACT. AUX. BLDG.	10-143	109
46	REACT. AUX. BLDG.	10-144	109
47	REACT. AUX. BLDG.	10-145	109
48	REACT. AUX. BLDG.	10-146	109
49	REACT. AUX. BLDG.	10-147	109
50	REACT. AUX. BLDG.	10-148	109
51	REACT. AUX. BLDG.	10-149	109
52	REACT. AUX. BLDG.	10-150	109
53	REACT. AUX. BLDG.	10-151	109
54	REACT. AUX. BLDG.	10-152	109
55	REACT. AUX. BLDG.	10-153	109
56	REACT. AUX. BLDG.	10-154	109
57	REACT. AUX. BLDG.	10-155	109
58	REACT. AUX. BLDG.	10-156	109
59	REACT. AUX. BLDG.	10-157	109
60	REACT. AUX. BLDG.	10-158	109
61	REACT. AUX. BLDG.	10-159	109
62	REACT. AUX. BLDG.	10-160	109
63	REACT. AUX. BLDG.	10-161	109
64	REACT. AUX. BLDG.	10-162	109
65	REACT. AUX. BLDG.	10-163	109
66	REACT. AUX. BLDG.	10-164	109
67	REACT. AUX. BLDG.	10-165	109
68	REACT. AUX. BLDG.	10-166	109
69	REACT. AUX. BLDG.	10-167	109
70	REACT. AUX. BLDG.	10-168	109
71	REACT. AUX. BLDG.	10-169	109
72	REACT. AUX. BLDG.	10-170	109
73	REACT. AUX. BLDG.	10-171	109
74	REACT. AUX. BLDG.	10-172	109
75	REACT. AUX. BLDG.	10-173	109
76	REACT. AUX. BLDG.	10-174	109
77	REACT. AUX. BLDG.	10-175	109
78	REACT. AUX. BLDG.	10-176	109
79	REACT. AUX. BLDG.	10-177	109
80	REACT. AUX. BLDG.	10-178	109
81	REACT. AUX. BLDG.	10-179	109
82	REACT. AUX. BLDG.	10-180	109
83	REACT. AUX. BLDG.	10-181	109
84	REACT. AUX. BLDG.	10-182	109
85	REACT. AUX. BLDG.	10-183	109
86	REACT. AUX. BLDG.	10-184	109
87	REACT. AUX. BLDG.	10-185	109
88	REACT. AUX. BLDG.	10-186	109
89	REACT. AUX. BLDG.	10-187	109
90	REACT. AUX. BLDG.	10-188	109
91	REACT. AUX. BLDG.	10-189	109
92	REACT. AUX. BLDG.	10-190	109
93	REACT. AUX. BLDG.	10-191	109
94	REACT. AUX. BLDG.	10-192	109
95	REACT. AUX. BLDG.	10-193	109
96	REACT. AUX. BLDG.	10-194	109
97	REACT. AUX. BLDG.	10-195	109
98	REACT. AUX. BLDG.	10-196	109
99	REACT. AUX. BLDG.	10-197	109
100	REACT. AUX. BLDG.	10-198	109
101	REACT. AUX. BLDG.	10-199	109
102	REACT. AUX. BLDG.	10-200	109

REFERENCE DRAWINGS:

- 5000 PWR TEL. COMM. SYST. G-290-506
- COMM. SYST. DETAILS G-290-507
- COMMUNICATION SYSTEM DIAGRAM G-290-503

REVISIONS

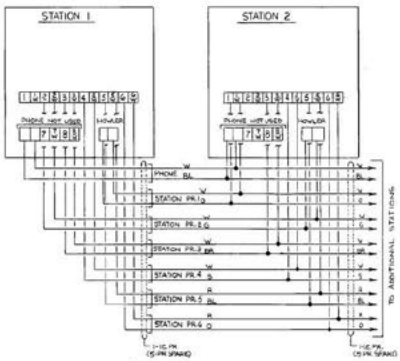
NO.	DATE	DESCRIPTION
1	10/15/74	ISSUED FOR CONSTRUCTION
2	11/15/74	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
3	12/15/74	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
4	01/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
5	02/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
6	03/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
7	04/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
8	05/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
9	06/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
10	07/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
11	08/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
12	09/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
13	10/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
14	11/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
15	12/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
16	01/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
17	02/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
18	03/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
19	04/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
20	05/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
21	06/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
22	07/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
23	08/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
24	09/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
25	10/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
26	11/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
27	12/15/76	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
28	01/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
29	02/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
30	03/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
31	04/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
32	05/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
33	06/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
34	07/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
35	08/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
36	09/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
37	10/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
38	11/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
39	12/15/77	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
40	01/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
41	02/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
42	03/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
43	04/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
44	05/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
45	06/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
46	07/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
47	08/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
48	09/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
49	10/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
50	11/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
51	12/15/78	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
52	01/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
53	02/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
54	03/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
55	04/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
56	05/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
57	06/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
58	07/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
59	08/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
60	09/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
61	10/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
62	11/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
63	12/15/79	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
64	01/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
65	02/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
66	03/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
67	04/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
68	05/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
69	06/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
70	07/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
71	08/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
72	09/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
73	10/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
74	11/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
75	12/15/80	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
76	01/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
77	02/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
78	03/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
79	04/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
80	05/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
81	06/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
82	07/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
83	08/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
84	09/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
85	10/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
86	11/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
87	12/15/81	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
88	01/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
89	02/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
90	03/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
91	04/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
92	05/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
93	06/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
94	07/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
95	08/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
96	09/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
97	10/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
98	11/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING
99	12/15/82	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING
100	01/15/83	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING

* THIS DRAWING ALSO EXISTS AS FSAR FIGURE 13-1.3.1.3.1

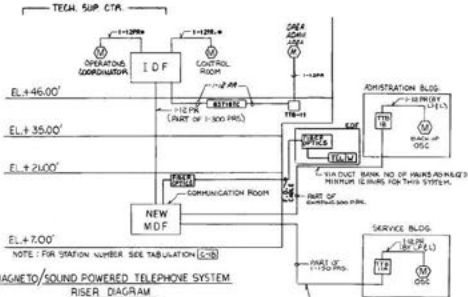
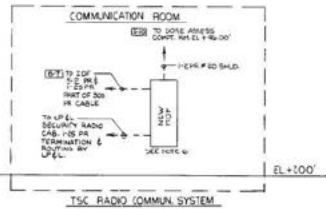
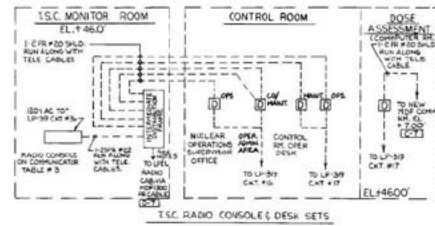
LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1977 - 1165 MW INSTALLATION
SOUND POWERED TELEPHONE
COMMUNICATION SYSTEM DIAGRAM

ESBACO SERVICES INCORPORATED
 SCALE: AS SHOWN
 DATE: 8/26/76
 G290 S05

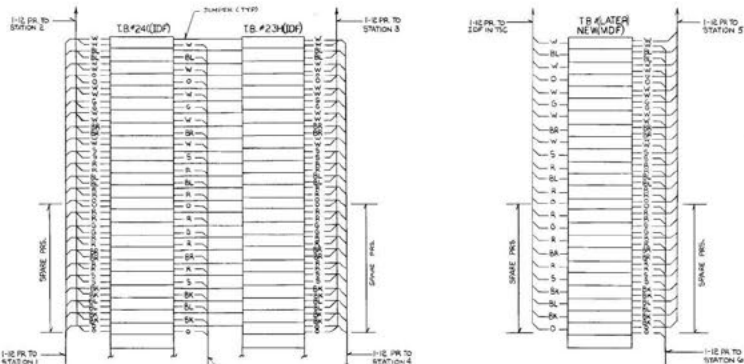
NO.	DATE	REV. DESCRIPTION	APPROV.	DATE	NO.	DATE	REV. DESCRIPTION	APPROV.	DATE
1	10/15/74	ISSUED FOR CONSTRUCTION	W. J. BROTHERS	10/15/74	1	10/15/74	ISSUED FOR CONSTRUCTION	W. J. BROTHERS	10/15/74
2	11/15/74	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING	W. J. BROTHERS	11/15/74	2	11/15/74	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING	W. J. BROTHERS	11/15/74
3	12/15/74	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING	W. J. BROTHERS	12/15/74	3	12/15/74	REVISED TO REFLECT CHANGES IN THE REACTOR AUXILIARY BUILDING	W. J. BROTHERS	12/15/74
4	01/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING	W. J. BROTHERS	01/15/75	4	01/15/75	REVISED TO REFLECT CHANGES IN THE REACTOR CONTAINMENT BUILDING	W. J. BROTHERS	01/15/



MAGNETO/SOUND POWERED TELEPHONE SYSTEM FOR DEDICATED COMMUNICATION SYSTEM
TYPICAL STATION WIRING DETAIL

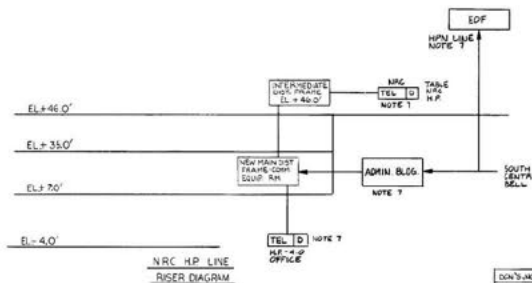
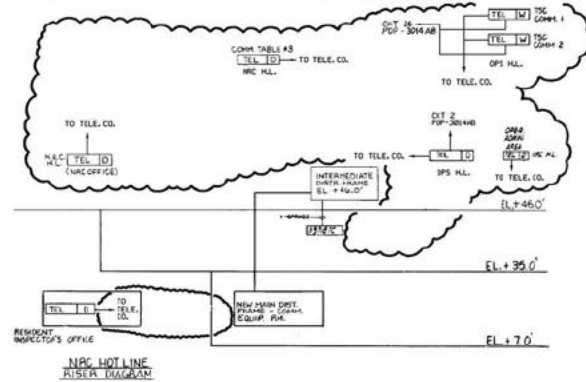


MAGNETO/SOUND POWERED TELEPHONE SYSTEM RISER DIAGRAM



MAGNETO/SOUND POWERED TELEPHONE SYSTEM FOR DEDICATED COMMUNICATION SYSTEM TERMINATION DETAILS (AT IDF IN TSC)

MAGNETO/SOUND POWERED TELEPHONE SYSTEM FOR DEDICATED COMMUNICATION SYSTEM TERMINATION DETAILS (AT NEW MDF IN COMMUNICATIONS RM EL+400)



TABULATION	
STATION NO.	LOCATION
1	OPERATION SUPERVISOR'S DESK
2	CONTROL ROOM
3	NUCLEAR OPERATIONS BLDG
4	OPERATIONS SUPPORT CENTER
5	OPERATIONS SUPPORT CENTER (ADMIN BLDG)

- SYMBOLS**
- ◆ MAGNETO/SOUND PWR TELEPHONE STATION
 - TELEPHONE TERMINAL BOX
 - IDF - INTERMEDIATE DISTRIBUTING FRAME
 - MDF - MAIN DISTRIBUTING FRAME
 - TSC - TECHNICAL SUPPORT CENTER
 - OSC - OPERATIONS SUPPORT CENTER
 - NSO - NUCLEAR OPERATIONS SUPERVISOR

- NOTES**
- SOUND POWERED TELEPHONE SETS ARE STRONGER CARLSON TYPE CAT NO T20301-505 EQUIPPED WITH MAGNETO-HOWLER CALL TYPICAL FOR G.
 - STATION-TO-STATION CABLE SHALL BE MINIMUM 7-PAIRS, UN-SHIELDED TWISTED #22 AWGS OR UNIDIP. UP TO 8 PAIRS MAY BE USED.
 - CABLE 1/2 IN. PR. # 12 BE WITH # 12 BE ROUTED ALONG WITH TELEPHONE CABLES. REF. G-290-501 & 502.
 - ACCEPTABLES 10M RADIO DESK SETS & CONSOLE ARE SHOWN ON DWG # G-290-501.
 - FOR CONNECTION DIAGRAM OF INTERMEDIATE DIST. FRAME SEE DWG G-290-503.
 - FOR NEW MDF CONNECTION DIAGRAM SEE DWG G-290-504.
 - ALL COMMERCIAL NUMBERS ARE LISTED IN THE EMERGENCY RESOURCES DOCUMENT BOOK.

REFERENCE DRAWING

- TELE. CABLE CONN DIAG INTERMED DIST FRAME G-290-503
- TELE. CABLE CONN DIAG MAIN DIST FRAME (NEW) G-290-504
- TELE. SYSTEM ARRANGEMENT G-290-505
- TELE. SYSTEM ARRANGEMENT G-294-509

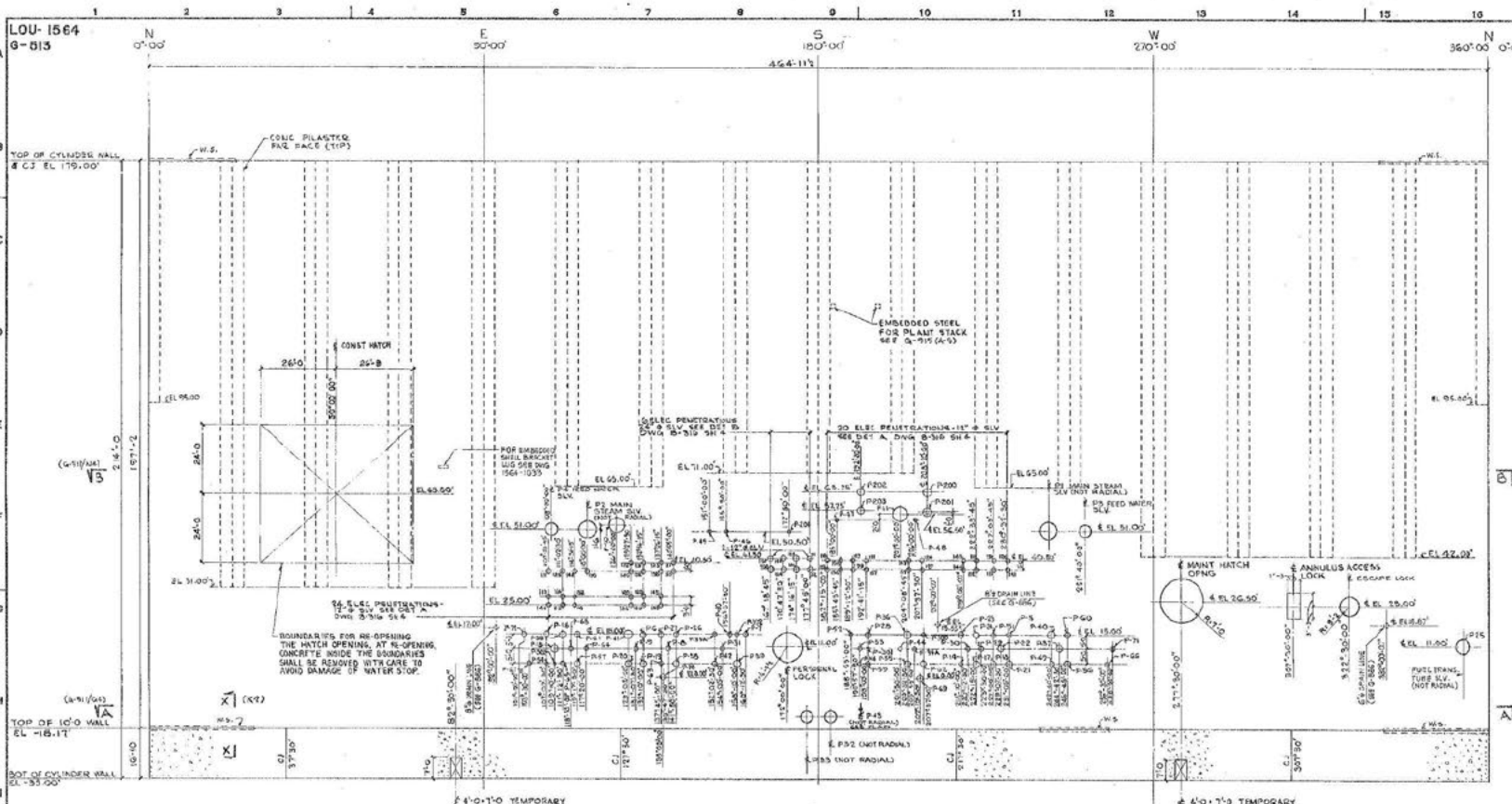
THIS DRAWING ALSO EXIST AS PART OF FIGURE 206.



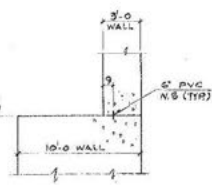
THIS DOCUMENT IS THE PROPERTY OF BRACO SERVICES INCORPORATED. IT IS LOANED TO YOU UNDER THE CONDITION THAT NEITHER IT NOR THE INFORMATION CONTAINED IN IT WILL BE REPRODUCED, COPIED, DISSEMINATED OR USED IN WHOLE OR IN PART EXCEPT FOR THE PURPOSES SPECIFIED IN WRITING BY BRACO SERVICES INCORPORATED.

LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1982-1165 MW INSTALLATION
EMERGENCY COMMUNICATION SYSTEM DIAGRAM
(MAGNETO/SOUND POWERED SYSTEM)

BRACO SERVICES INCORPORATED FIELD						
NO.	DATE	REV. DESCRIPTION	DFTR.	CHK.	APPROV.	DATE
5	4/17/81	INCOMP. DRW 97-2940	JAG	RJC	N/A	9/22-89
4	11/12/79	THIS DRAWING WAS USED IN THE EMERGENCY COMMUNICATION SYSTEM DIAGRAM THIS INSTALLATION	JG	EP	BM	9/22-89



DEVELOPED ELEVATION AT INSIDE FACE OF CYLINDER WALL, R=74'-0"
FOR LOCATION OF NON-RADIAL PENETRATIONS SEE SECT. PLAN G-511 (A-5)



SECT X-X (1/2)
1/2'-0"

MECH. PENETRATION SCHEDULE			
PENETRATION NUMBER	NOMINAL DIA.	PENETRATION NUMBER	NOMINAL DIA.
P-1	74"	P-29	18"
P-2	74"	P-30	18"
P-3	32"	P-31	19"
P-4	82"	P-32	16"
P-5	10"	P-33	24"
P-6	10"	P-34A	10"
P-7	16"	P-35A	10"
P-8	14"	P-36	10"
P-9	16"	P-37	24"
P-10	16"	P-38	24"
P-11	22"	P-39	26"
P-12	22"	P-40	32"
P-13	22"	P-41	30"
P-14	22"	P-42	15"
P-15	22"	P-43	8"
P-16	22"	P-44	15"
P-17	22"	P-45	15"
P-18	22"	P-46	15"
P-19	22"	P-47	15"
P-20	22"	P-48	16"
P-21	22"	P-49	22"
P-22	22"	P-50	22"
P-23	22"	P-51	16"
P-24	22"	P-52	16"
P-25	30"	P-53	16"
P-26	18"	P-54	16"
P-27	18"	P-55	16"
P-28	18"	P-56	16"

INSTRUMENTATION PENETRATION SCHEDULE		HVAC PENETRATION SCHEDULE	
PENETRATION NUMBER	NOMINAL DIA.	PENETRATION NUMBER	NOMINAL DIA.
P-300	4"	P-40	57"
P-301	4"	P-11	57"
P-302	4"	P-203	30"
P-303	4"	P-204	30"
P-304	4"	P-201	30"

NOTES:
FOR GENERAL NOTES SEE G-511
EMBEDDED STEEL FOR
LOCAL MAINT. HATCH, ANNULUS ACCESS LOCK,
ESCAPE LOCK (SEE G-511)
SEE DETAIL
SEE DWG G-400 5/8" X 2"
PENETRATION DET FOR P-304 SEE DWG G-400
5/8" X 2" & 5/8" X 30"

- REFERENCE DRAWINGS:
- LIST OF DRAWINGS.....LOU-1564-A-123
 - REACTOR S/D
 - CYLINDER WALL PLAN & SECT-M.....G-511
 - ELECTRICAL PENETRATIONS - B-316-58-2
 - ELECTRICAL PENETRATIONS - B-316-58-4
 - ELECTRICAL PENETRATIONS - G-513
 - PIPING PENETRATIONS (MECH) - G-175-58-1
 - PIPING PENETRATIONS (MECH) - G-175-58-2
 - HVAC - R.D. (A-5).....G-856
 - HVAC - DETAIL SH 2 (A-5).....G-859-501
- FOR ADDITIONAL REFERENCE DWG SEE G-511
EMBEDDED STEEL.....G-511 SH 11
R.D. PLAN EL. 1100 RUMBLE & OVERPASS.....G-886
SHELL BRACKET LUG LOCATION.....1564-1033
INSTRUMENTATION INSTALLATION REF.....D-400-512

THIS DWG. ALSO EXISTS AS FSAR FIGURE 3.8-4)

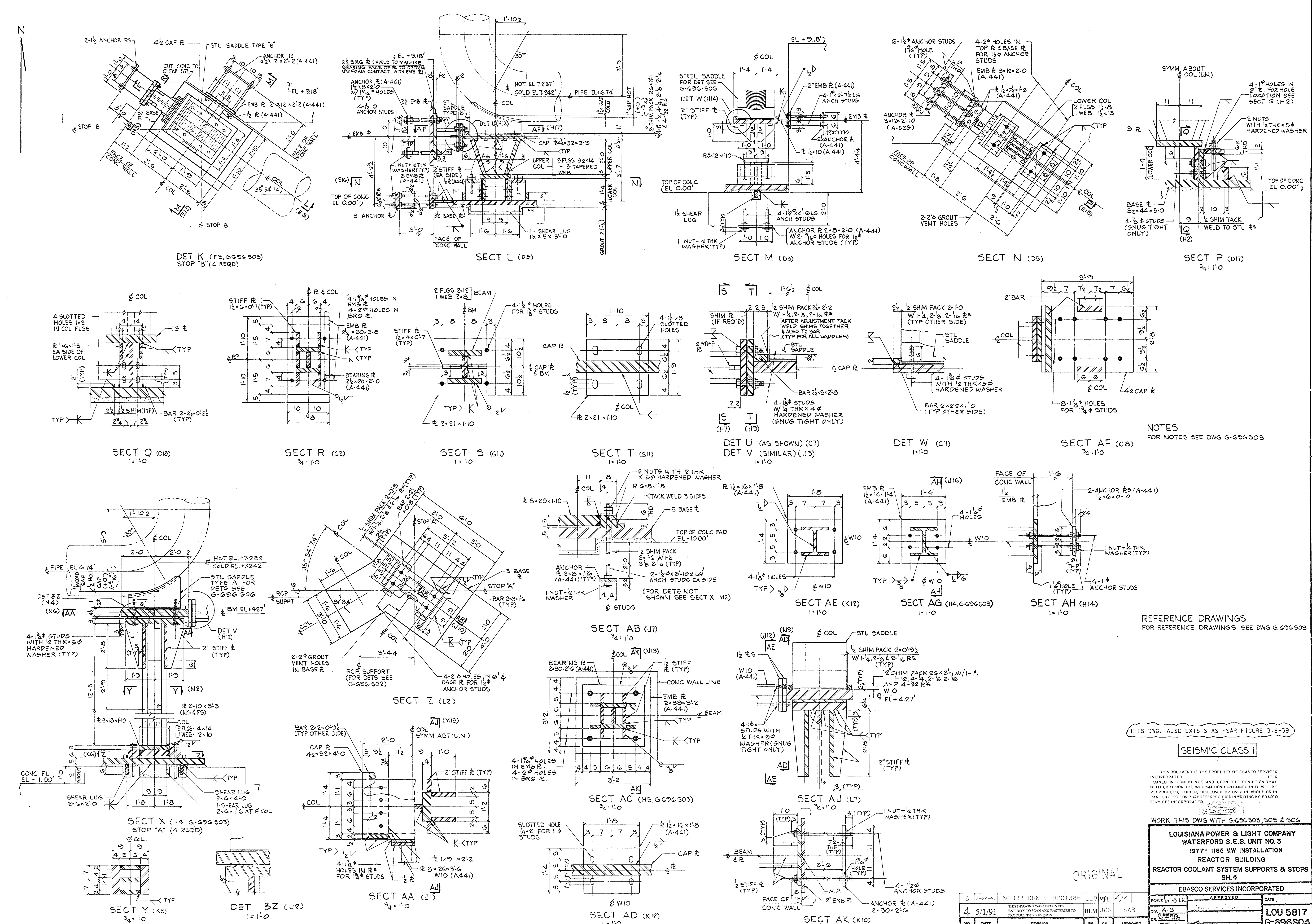
WORK THIS DWG WITH G-511

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 6.E.S. UNIT NO. 3
177'-185" MW INSTALLATION
REACTOR BUILDING
CYLINDER DEVELOPMENT-MASONRY

NO.	DATE	REVISION	BY	CHK.	APPROVED
11	2/25/83	INSTR. W/S C-100-268	LD	ML	LD
10	5/11/81	INSTR. S/D (1) DWG NO. C-800-15	ML	LR	ML
9	4/20/81	INSTRUMENTATION SCHEDULE FOR PENETRATIONS	LD	JPS	LD

APPROVED: *[Signature]* DATE: 2/25/83

LOU-1564
G-513



NOTES FOR NOTES SEE DWG G-696S03

REFERENCE DRAWINGS FOR REFERENCE DRAWINGS SEE DWG G-696S03

THIS DWG. ALSO EXISTS AS FSAR FIGURE 3.8-39

SEISMIC CLASS I

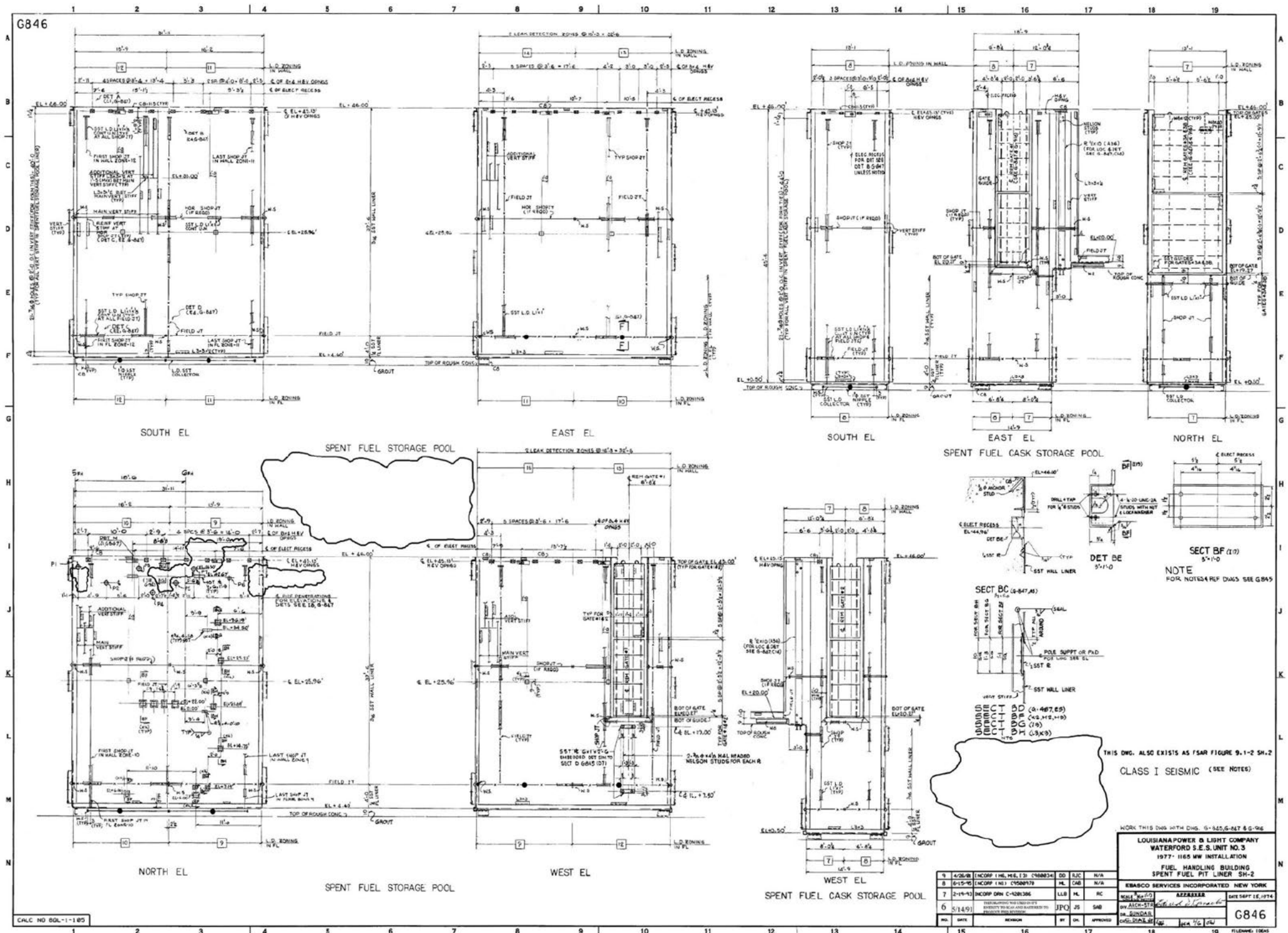
THIS DOCUMENT IS THE PROPERTY OF EBASCO SERVICES INCORPORATED. IT IS LOANED IN CONFIDENCE AND UPON THE CONDITION THAT NEITHER IT NOR THE INFORMATION CONTAINED IN IT WILL BE REPRODUCED, COPIED, DISCLOSED OR USED IN WHOLE OR IN PART EXCEPT FOR THE PURPOSES SPECIFIED IN WRITING BY EBASCO SERVICES INCORPORATED.

WORK THIS DWG WITH G-696S03, S05 & S06

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD S.E.S. UNIT NO. 3
 1977-1165 MW INSTALLATION
 REACTOR BUILDING
 REACTOR COOLANT SYSTEM SUPPORTS & STOPS
 SH.4

NO.		DATE		REVISION		BY		CH.		APPROVED	
5	2-24-93	INCORP DRN	G-9201386	LLB	MPL	gpc					
4	5/1/91	THIS DRAWING WAS USED IN ITS ENTIRETY TO DESIGN AND FABRICATE TO PRODUCE THIS REVISION				BLM	JCS	SAB			
SCALE: 2"=1'-0" UNLESS OTHERWISE NOTED DATE: 5/1/91 DWG: A-5 DESIGNED BY: J.T.LIM CHECKED BY: J.T.LIM APPROVED BY: [Signature] LOU 5817 G-696S04											

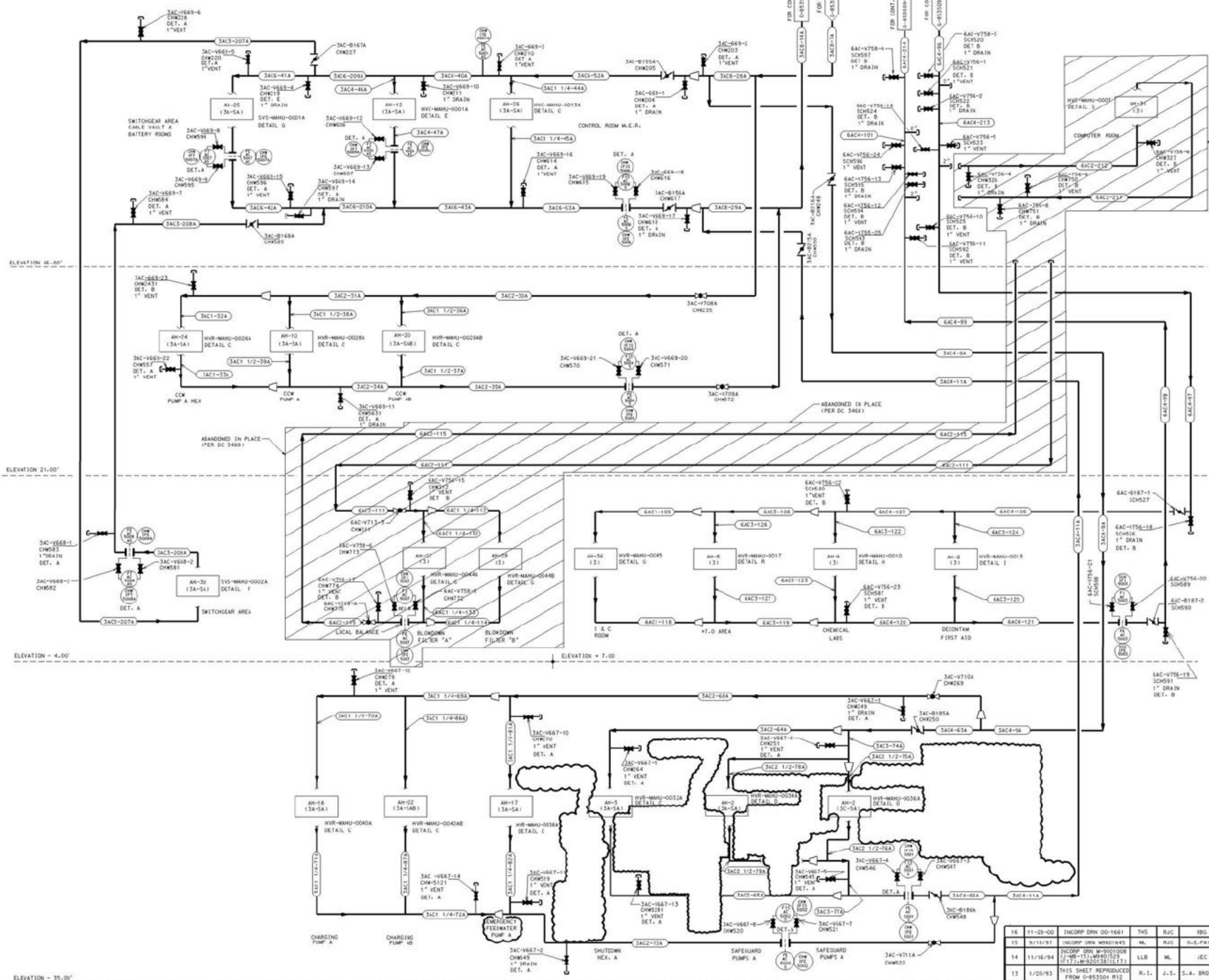
ORIGINAL



THIS DWG. ALSO EXISTS AS FSAR FIGURE 9.1-2 SH-2
CLASS I SEISMIC (SEE NOTES)

WORK THIS DWG WITH DWG. 5-525, 5-517 & 5-518
LOUISIANA POWER & LIGHT COMPANY
WATERFORD S.E.S. UNIT NO. 3
1977-1165 MW INSTALLATION
FUEL HANDLING BUILDING
SPENT FUEL PIT LINER SH-2
ENBSCO SERVICES INCORPORATED NEW YORK

9	4/28/80	INCORP (H.M.E.13) C588834	DD	ELC	N/A
8	0-15-80	INCORP (L.N.) C588979	ML	CLB	N/A
7	2-19-79	INCORP ORN C-4281386	LLB	ML	RC
6	5/14/79	DESIGN/REVISED AND REDESIGNED REVISIONS TO THE ORIGINAL DESIGN REVISIONS TO THE ORIGINAL DESIGN	JPO	JS	SAB
REV.	DATE	REVISION	BY	CHK.	APPROVED



NOTES
 FOR SYMBOLS & LEGEND SEE DRAWING G-668.
 FOR CONTINUATION OF CHILLED WATER FLOW DIAGRAMS SEE G-855005 AND 0853505.
 FOR DETAILS SEE DRAWINGS G-853506, G-853507 AND G-853510.
 VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY. AND MAY BE DIFFERENT FROM ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

REFERENCE DRAWINGS

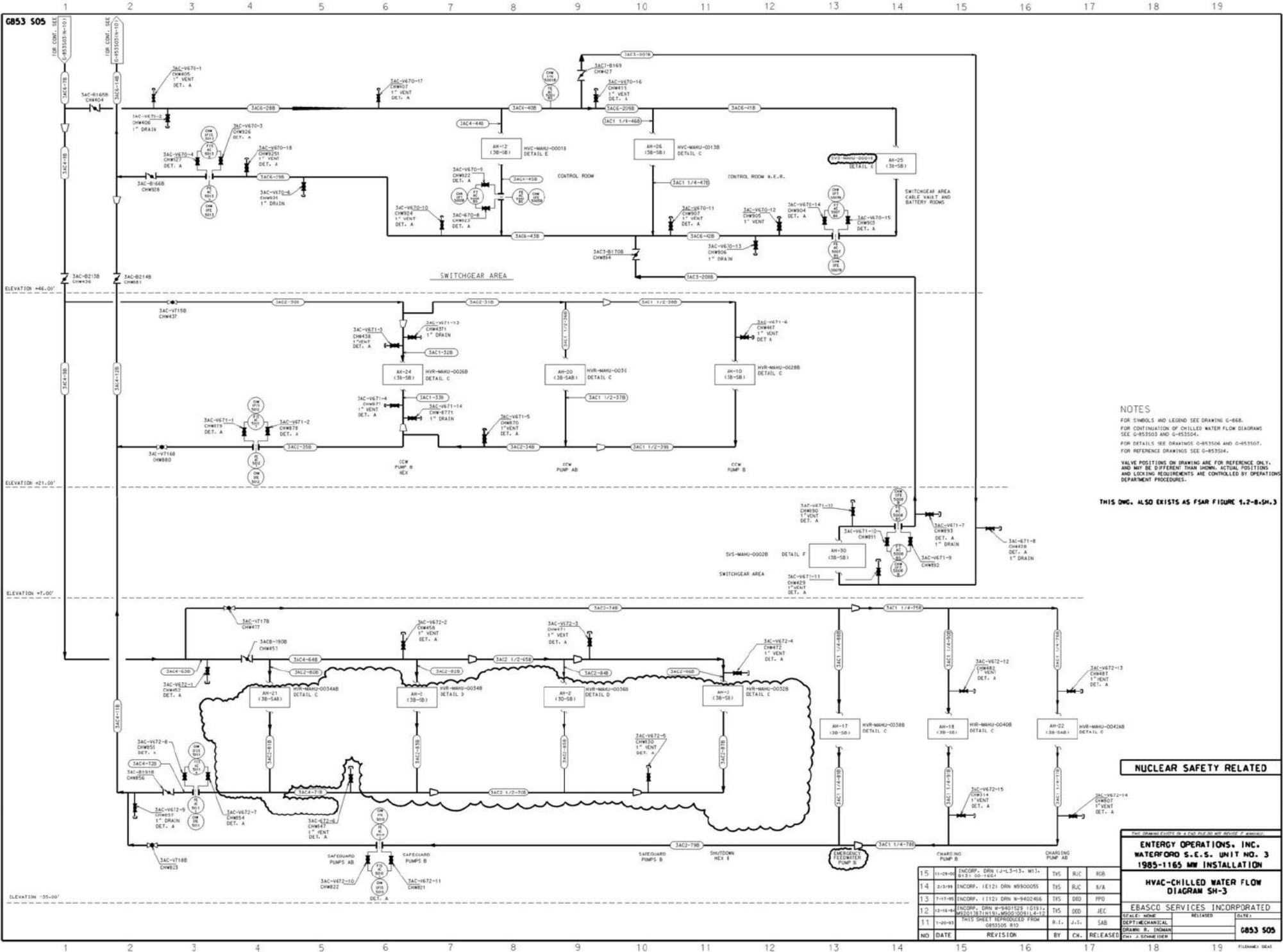
HVAC-CHW PLAN EL. -35.00'	G-857503
HVAC-CHW PLAN & SECT. EL. -36.00'	G-857504
HVAC-CHW SECTIONS EL. -35.00'	G-857505
HVAC-CHW PLAN EL. +4.00'	G-858003
HVAC-CHW SECTIONS EL. -4.00'	G-858004
HVAC-CHW PLAN EL. +21.00'	G-859503
HVAC-CHW PLAN & SECT. EL. +21.00'	G-859504
HVAC-CHW PLAN EL. +46.00'	G-864503
HVAC-CHW SECTIONS EL. +46.00'	G-864504
HVAC-CHW PLAN EL. +7.00'	G-871503
HVAC-CHW SECTIONS EL. +7.00'	G-871504

NUCLEAR SAFETY RELATED IN PART ONLY

THIS DRAWING ALSO EXISTS AS FSM FIG. 9-2-R SH 2

ENERGY OPERATIONS, INC.
 WATERFORD S.E.S. UNIT NO. 3
 1985-1165 MW INSTALLATION

EBCSD SERVICES INCORPORATED	
DRAWN BY: R. L. HANAN	CHECKED BY: S. A. BROTHERS
DATE: 1/20/93	DATE: 1/20/93
BY: R. L. HANAN	RELEASED BY: S. A. BROTHERS
NO. 13	DATE: 1/20/93
NO. 13	DATE: 1/20/93



NOTES
 FOR SYMBOLS AND LEGEND SEE DRAWING G-868.
 FOR CONTINUATION OF CHILLED WATER FLOW DIAGRAMS SEE G-85303 AND G-85304.
 FOR DETAILS SEE DRAWINGS G-85306 AND G-85307.
 FOR REFERENCE DRAWINGS SEE G-85354.
 VALVE POSITIONS ON DRAWING ARE FOR REFERENCE ONLY, AND MAY BE DIFFERENT THAN SHOWN. ACTUAL POSITIONS AND LOCKING REQUIREMENTS ARE CONTROLLED BY OPERATIONS DEPARTMENT PROCEDURES.

THIS DWG. ALSO EXISTS AS FSAR FIGURE 1.2-8.5H.3

NUCLEAR SAFETY RELATED

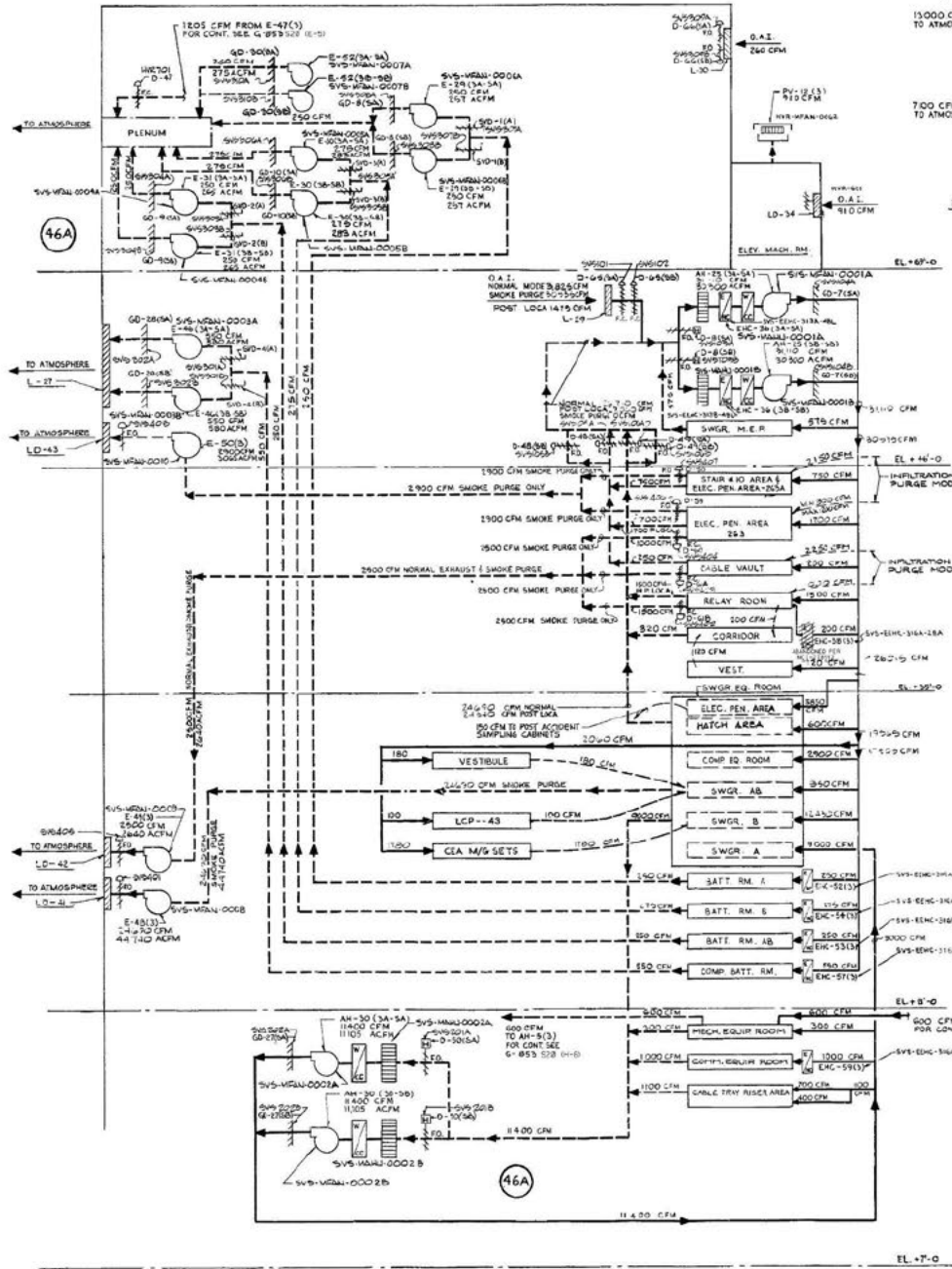
ENTERTY OPERATIONS, INC.
 WATERFORD S.E.S. UNIT NO. 3
 1985-1165 MW INSTALLATION

HVAC-CHILLED WATER FLOW DIAGRAM SH-3

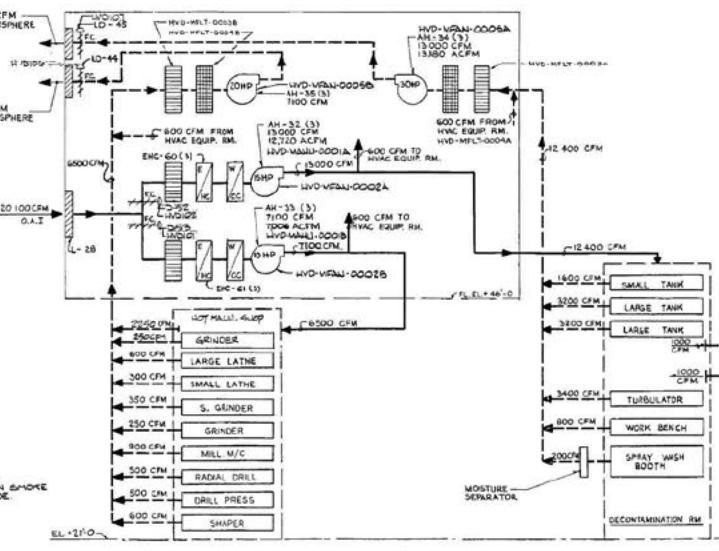
EBASCO SERVICES INCORPORATED
 SCALE: NONE RELIEVED DATE:
 DEPT./MECHANICAL DRAWN: B. INGRAM
 CHECKED: J. SCHNEIDER
 6853 505

NO	DATE	REVISION	BY	CHK.	RELEASED
15	11-29-88	INCORP. DRN 1/J-3-13, M1-813 TO 10-1682	TSB	RJC	RGB
14	2-2-88	INCORP. 1E12) DRN W930005	TSB	RJC	N/A
13	1-11-88	INCORP. 1112) DRN W-940246	TSB	DD	PPD
12	12-14-84	INCORP. DRN W-940246 12117-MS201371N19L, MS201371N19L-12	TSB	DD	JEC
11	1-20-83	THIS SHEET REPRODUCED FROM G-85303, 812	R.I.	J.S.	SAB

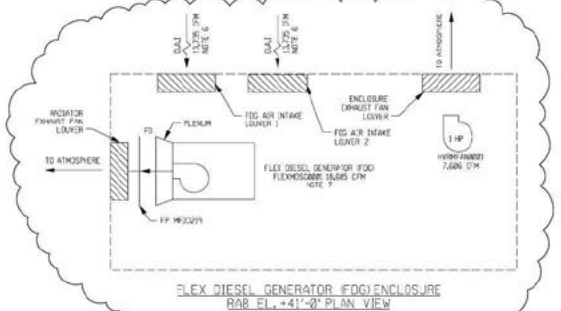
G853508



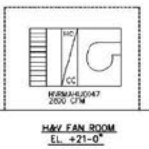
RAB - CABLE VAULT & SWITCHGEAR AREAS.



RAB - HOT MACHINE SHOP & DECONTAMINATION AREA AUX SYSTEM. EL. +21'-0



FLEX DIESEL GENERATOR (FDG) ENCLOSURE. RAB EL. +41'-0 PLAN VIEW



HAY FAN ROOM. EL. +21'-0

- NOTES:
- FOR GENERAL NOTES, LEGEND & TYPICAL DETAILS, SEE DWG. G-853508(1-2)
 - FOR AIR FLOW DIAGRAM LEGEND, SEE DWG. G-853502
 - AIR FLOW DIAGRAMS ARE SCHEMATIC AND ARE NOT INTENDED TO REPRODUCE THE ACTUAL SEQUENCE OF DUCT CONNECTIONS AS THEY OCCUR ON THE PHYSICAL DUCTS.
 - FOR LOCATION OF BALANCING DAMPERS, REFER TO THE PHYSICAL DRAWINGS.
 - SIS AIR FLOWS ARE HISTORIC. REFER TO CALCULATION FOR CURRENT VOLUME.
 - FOR AIR FLOW RATES, INCLUDE 1000 CFM REQUIRED FOR COMBUSTION.
 - EXHAUST FLOW OF 3,844 CFM THROUGH THE ENCLOSURE ROOF IS NOT SHOWN IN THIS DRAWING.

- REFERENCE DWGS:
- G-853502 HVAC-RAB PLAN RM. EL. +35'-0
 - G-853503 HVAC-RAB BATT. PAN RM. EL. +41'-0
 - G-853504 SWITCHGEAR ROOM RM. EL. +44'-0
 - G-851501 HVAC-RAB PLAN RM. EL. +44'-0
 - G-851502 HVAC-RAB PART PLAN EL. +42'-0 & 37'-0 SECT.
 - G-871502 HVAC-RAB EQUIP. RM. EL. +7'-0
 - G-885504 HVAC-AIR FLOW DIAGRAM-EL. +1
 - G-846304 HVAC-RAB CONTROL RM. AREA
 - G-924 HVAC-WATER TREATMENT BLDG (PIKE PUMP HOUSE)
 - G-854500 HVAC-HOT MACHINE SHOP & DECON. AREA. EL. +21' & EL. +41'-0

THIS DWG. ALSO EXISTS AS PART FIG. 943, 944-1944

NUCLEAR SAFETY RELATED IN PART ONLY

THIS DOCUMENT IS THE PROPERTY OF BANCORP SERVICES CORPORATION. IT IS LOANED TO YOU UNDER THE CONDITION THAT YOU WILL NOT REPRODUCE, COPIY, DISSEMINATE OR USE IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF BANCORP SERVICES CORPORATION.



NO.	DATE	REVISION DESCRIPTION	BY	CHK	APPROVED
20	4/18/85	INCORP. EC 4845	JG	SD	JR
19	4/18/85	INCORP. EC 5635B	JG	SD	JR
18	4/18/85	INCORP. EC 1758B	JG	SD	JR
17	4/18/85	INCORP. EC-8880012288	JG	SD	JR
16	4/18/85	INCORP. DPN 84-274	JG	NS	JR
15	4/18/85	INCORP. DPN 84-247	JG	NS	JR
14	4/18/85	INCORP. DPN M-958234	SL	SD	JR
13	4/18/85	INCORP. DPN M-107864	SL	SD	JR

ENERGY WATERFOOT S.E.S. UNIT NO. 3 185 MW INSTALLATION

HVAC - AIR FLOW DIAGRAM SH-3

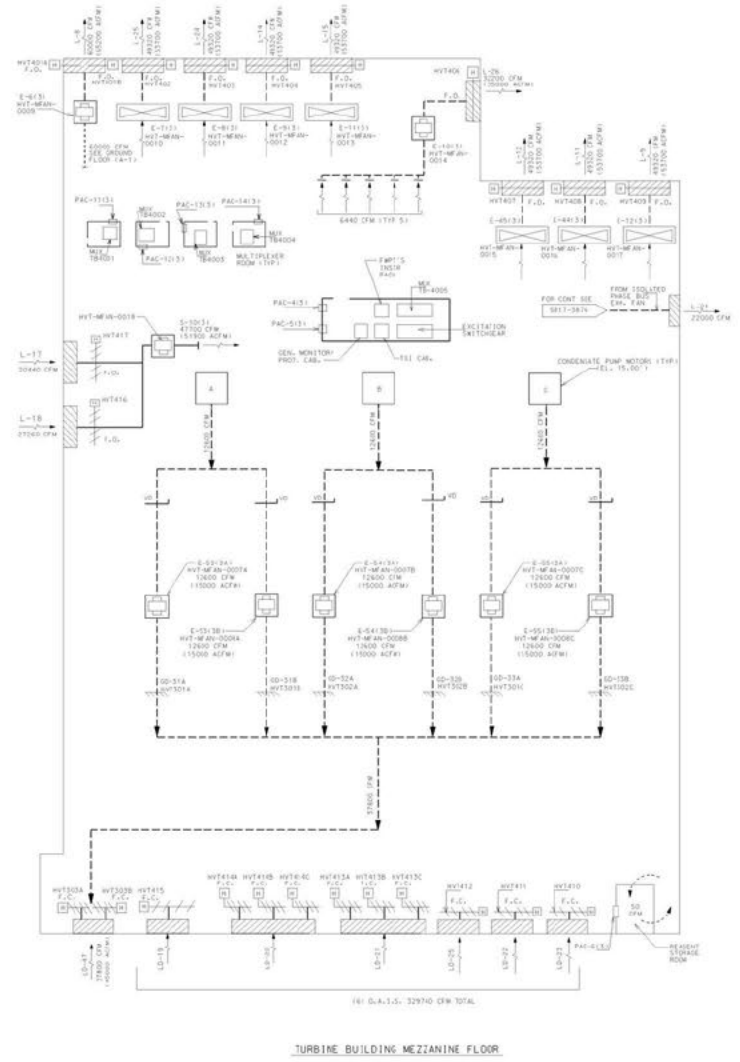
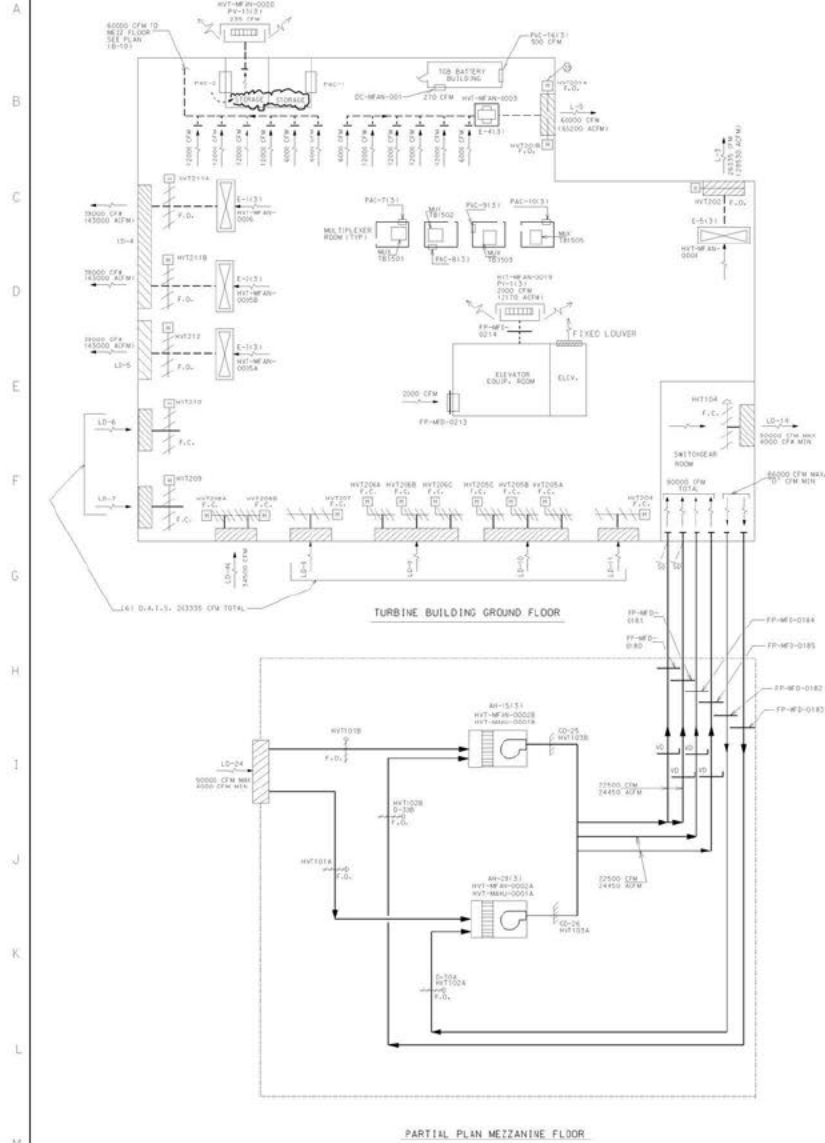
SCALE: NONE APPROVED: M. J. G. DATE: 4-18-85

DEPT.: MECH. NO. 0853508

DR.: M. J. G. CHECKED: J. R. APPROVED: M. J. G. DATE: 4-18-85

NO. DATE REVISION DESCRIPTION BY CHK APPROVED

C-853514



NOTES
 FOR GENERAL NOTES, LEGEND AND PHYSICAL DETAILS SEE
 DWG. S-448 AND S-449.501.
 FOR AIR FLOW DIRECTION DRAWING LIST AND
 LEGEND SEE DWG. S-453.502

REFERENCE DRAWINGS
 HVAC-TURBINE BUILDING SA. 1 S-462
 HVAC-TURBINE BUILDING SA. 2 S-470.501
 HVAC-TURBINE BUILDING SA. 3 S-470.502

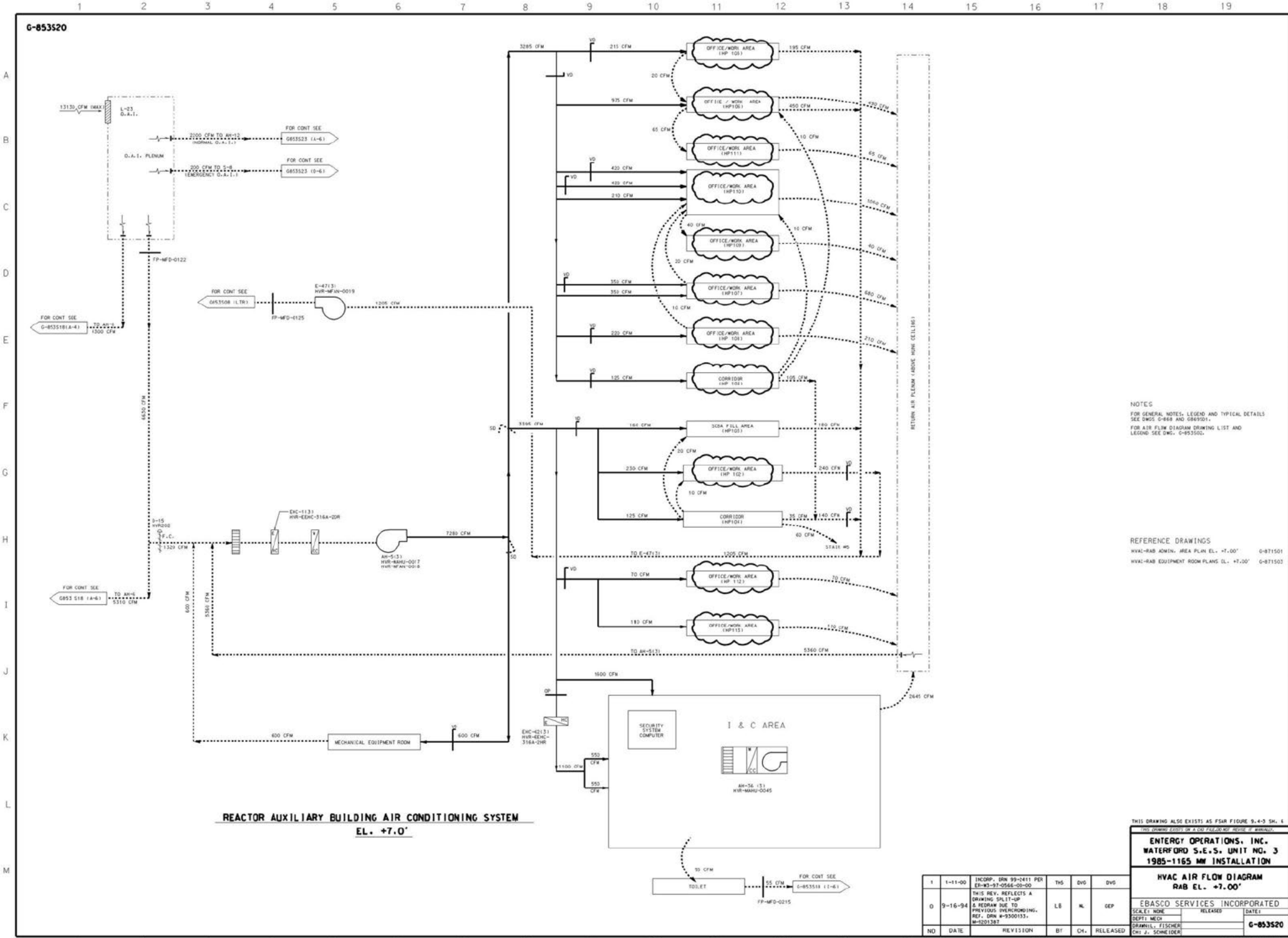
THIS DRAWING ALSO EXISTS AS FS&B FIGURE 9.4-6

NO.	DATE	REVISION	BY	CHK.	RELEASED
1	10-11-04	INCRP. (E-3) DRN G-10-04-04	DD	THS	N/A
2	11-18-07	INCRP. (E-6) DRN 17704181	ML	RJC	N/A
3	5-12-07	INCRP. (E-6) DRN M702771	DD	RC	JR
4	6-30-05	INCRP. (E-5) DRN. M701610	DD	RC	JR
5	9-16-04	TRJ. REV. RELEAS. 2. SECTION DUE TO REV. 1500. PENDING M701551 S. M-2310134	LB	ML	GP

ENTERGY OPERATIONS, INC. WATERFORD S.E.S., UNIT NO. 3 1985-1165 MW INSTALLATION	
HVAC AIR FLOW DIAGRAM TURBINE BUILDING	
EBASCO SERVICES INCORPORATED	SCALE: NONE
DATE: 11/18/07	RELEASED: 11/18/07
SCALE: NONE	DATE: 11/18/07
SCALE: NONE	DATE: 11/18/07
SCALE: NONE	DATE: 11/18/07
SCALE: NONE	DATE: 11/18/07

FILE NUMBER: IDEAS

G-853520



REACTOR AUXILIARY BUILDING AIR CONDITIONING SYSTEM
EL. +7.0'

NOTES
 FOR GENERAL NOTES, LEGEND AND TYPICAL DETAILS
 SEE DWGS. G-868 AND G-86901.
 FOR AIR FLOW DIAGRAM DRAWING LIST AND
 LEGEND, SEE DWG. G-853500.

REFERENCE DRAWINGS
 HVAC-RAB ADMIN. AREA PLAN EL. +7.00' G-871501
 HVAC-RAB EQUIPMENT ROOM PLANS EL. +7.00' G-871502

THIS DRAWING ALSO EXISTS AS PSAR FIGURE 9.4-3 SH. 4

ENERGY OPERATIONS, INC.
 WATERFORD S.E.S. UNIT NO. 3
 1985-1165 MW INSTALLATION

HVAC AIR FLOW DIAGRAM
 RAB EL. +7.00'

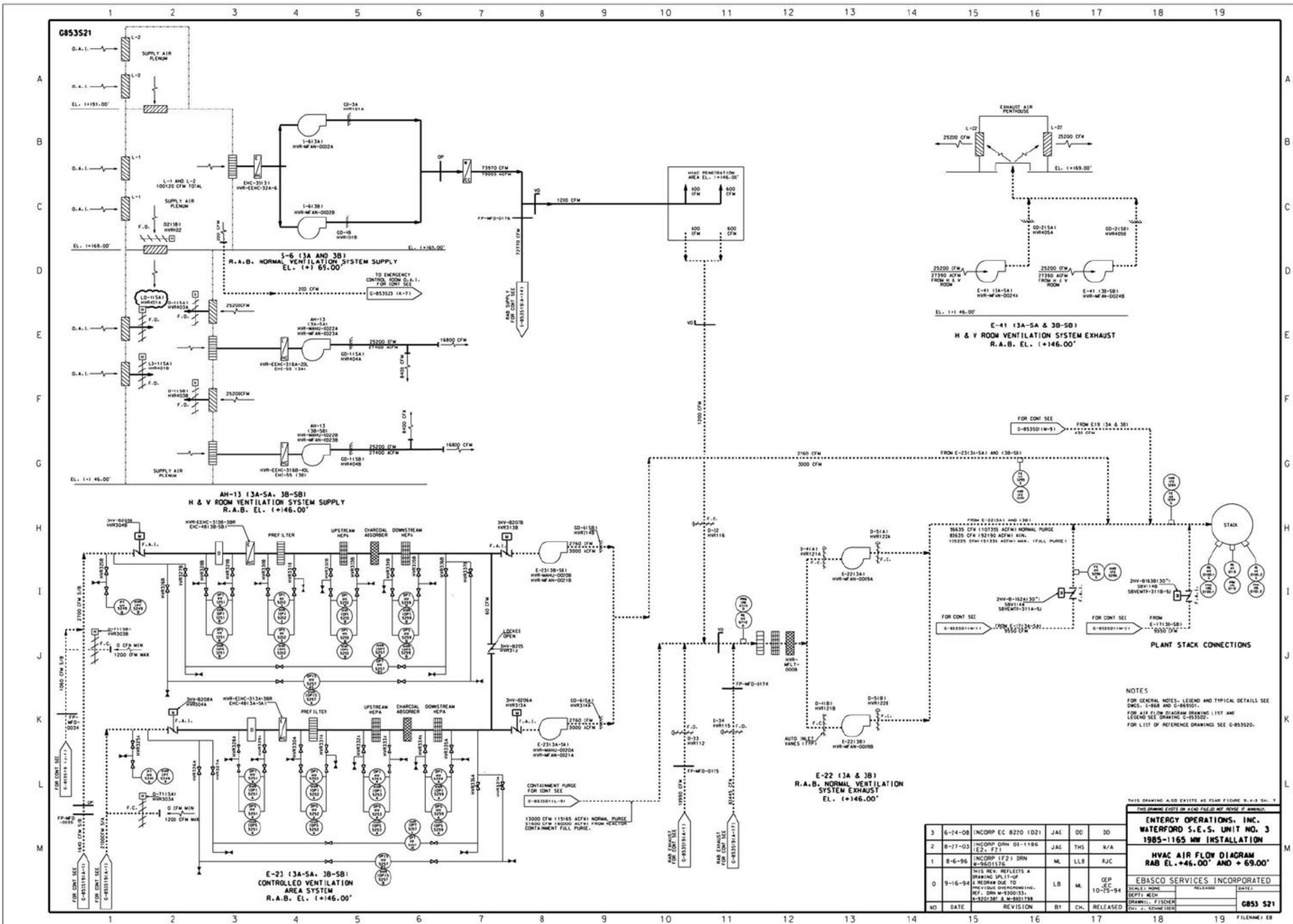
EBASCO SERVICES INCORPORATED

SCALE: NONE
 DEPT: MECH
 DRAWN: J. FISCHER
 CHK: J. SCHNEIDER

DATE: _____
 RELEASED: _____

G-853520

NO	DATE	REVISION	BY	CHK.	RELEASED
1	1-11-90	INCOMP. SIN 99-0411 PER ER-95-97-0566-03-00	THS	DVG	DVG
0	9-16-94	THIS REV. REFLECTS A DRAWING SPLIT-UP & REDRAWN DUE TO PREVIOUS OVERDRAWING. REF. DWG #3500133, #3201387	LB	NL	DEP

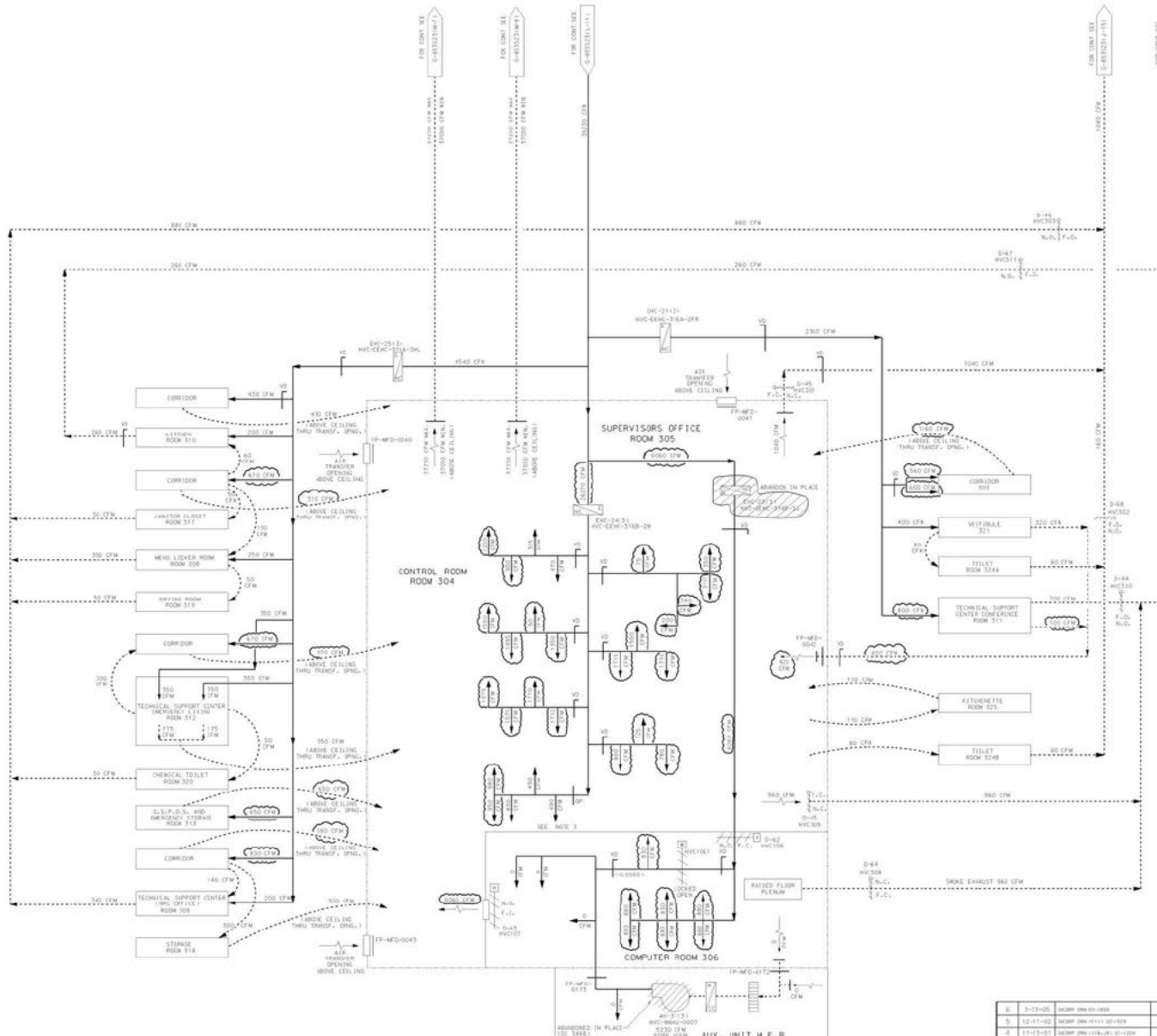


NOTES
 FOR GENERAL NOTES, LEGEND AND TYPICAL DETAILS SEE DWGS. 1-488 AND G-849301.
 FOR AIR FLOW DIAGRAM DRAWING LIST AND LEGEND SEE DRAWING G-853502.
 FOR LIST OF REFERENCE DRAWINGS SEE G-853520.

THIS DRAWING EXISTS AS PART FIGURE 6.4.3 VOL. 7
 THIS DRAWING EXISTS ON ACD FILE 02 MW REVISE 7 8/85

ENERGY OPERATIONS, INC. WATERFORD S.E.S. UNIT NO. 3 1985-1986 MW INSTALLATION HVAC AIR FLOW DIAGRAM RAB EL. +46.00' AND +69.00'					
EBASCO SERVICES INCORPORATED					
NO	DATE	REVISION	BY	CHK.	RELEASED
3	6-24-88	INCORP EC 8270 (02)	JAG	DD	SD
2	8-27-83	INCORP DRN 03-1186 (E2, F2)	JAG	THS	N/A
1	8-6-86	INCORP (F2) DRN G-8501176	ML	LLB	RJC
0	9-16-84	THIS REV. REFLECTS A DRAWING UPDATE PROGRAM DUE TO PREVIOUS OVERSIGHT. REF. DRN M-8300-33, M-8300-38 & M-8301-38	LB	ML	SEP 10-25-84
DRAWN: FISCHER			DATE:		
REV. 1: FISCHER			DATE:		
REV. 2: FISCHER			DATE:		
REV. 3: FISCHER			DATE:		
REV. 4: FISCHER			DATE:		
REV. 5: FISCHER			DATE:		
REV. 6: FISCHER			DATE:		
REV. 7: FISCHER			DATE:		
REV. 8: FISCHER			DATE:		
REV. 9: FISCHER			DATE:		
REV. 10: FISCHER			DATE:		
REV. 11: FISCHER			DATE:		
REV. 12: FISCHER			DATE:		
REV. 13: FISCHER			DATE:		
REV. 14: FISCHER			DATE:		
REV. 15: FISCHER			DATE:		
REV. 16: FISCHER			DATE:		
REV. 17: FISCHER			DATE:		
REV. 18: FISCHER			DATE:		
REV. 19: FISCHER			DATE:		
REV. 20: FISCHER			DATE:		
REV. 21: FISCHER			DATE:		
REV. 22: FISCHER			DATE:		
REV. 23: FISCHER			DATE:		
REV. 24: FISCHER			DATE:		
REV. 25: FISCHER			DATE:		
REV. 26: FISCHER			DATE:		
REV. 27: FISCHER			DATE:		
REV. 28: FISCHER			DATE:		
REV. 29: FISCHER			DATE:		
REV. 30: FISCHER			DATE:		
REV. 31: FISCHER			DATE:		
REV. 32: FISCHER			DATE:		
REV. 33: FISCHER			DATE:		
REV. 34: FISCHER			DATE:		
REV. 35: FISCHER			DATE:		
REV. 36: FISCHER			DATE:		
REV. 37: FISCHER			DATE:		
REV. 38: FISCHER			DATE:		
REV. 39: FISCHER			DATE:		
REV. 40: FISCHER			DATE:		
REV. 41: FISCHER			DATE:		
REV. 42: FISCHER			DATE:		
REV. 43: FISCHER			DATE:		
REV. 44: FISCHER			DATE:		
REV. 45: FISCHER			DATE:		
REV. 46: FISCHER			DATE:		
REV. 47: FISCHER			DATE:		
REV. 48: FISCHER			DATE:		
REV. 49: FISCHER			DATE:		
REV. 50: FISCHER			DATE:		

G653 S22



- NOTES**
- FOR GENERAL NOTES, LEGEND AND TYPICAL DETAILS SEE DWG. 11-14-07 AND SECTIONS.
 - FOR AIR FLOW DIAGRAM DRAWING LIST AND LEGEND SEE DWG. G-90302.
 - IT IS ACCEPTABLE FOR DISCHARGE GRILLES TO BE PROTECTED IN THE CLOSED POSITION. FULLY CLOSED, IF NECESSARY, TO FACILITATE NORMAL COMBUSTION IN THE GAS SERVICE AREA. (REFERENCE DWG. 11-00103-0001).

- REFERENCE DRAWINGS**
- HVAC-RAD CONTROL ROOM EQUIPMENT ROOM PLAN EL. 141.44.07 AND SECTIONS G-94402
 - HVAC-RAD CONTROL ROOM AREA G-94502
 - HVAC-RAD CONTROL ROOM AREA SECTIONS G-94502

CONTROL ROOM
 200 CFM EXHAUST FROM CONTROL ROOM TOWER, DURING NORMAL AND HIGH RADIATION MODE OF OPERATION.

NO.	DATE	REVISION	BY	CHK.	RELEASED
1	8-10-94		LB	ML	DEF
2	9-17-97				
3	11-17-98				
4	11-13-01				
5	8-10-04				
6	11-13-01				
7	12-11-02				
8	3-23-05				

THIS DRAWING EXISTS AS FOUR PAGES, 6.4.13, 6.4.14, 6.4.15, 6.4.16.

ENTEGRY OPERATIONS, INC.
 WATERFORD S.E.S. UNIT NO. 3
 1985-1165 MW INSTALLATION

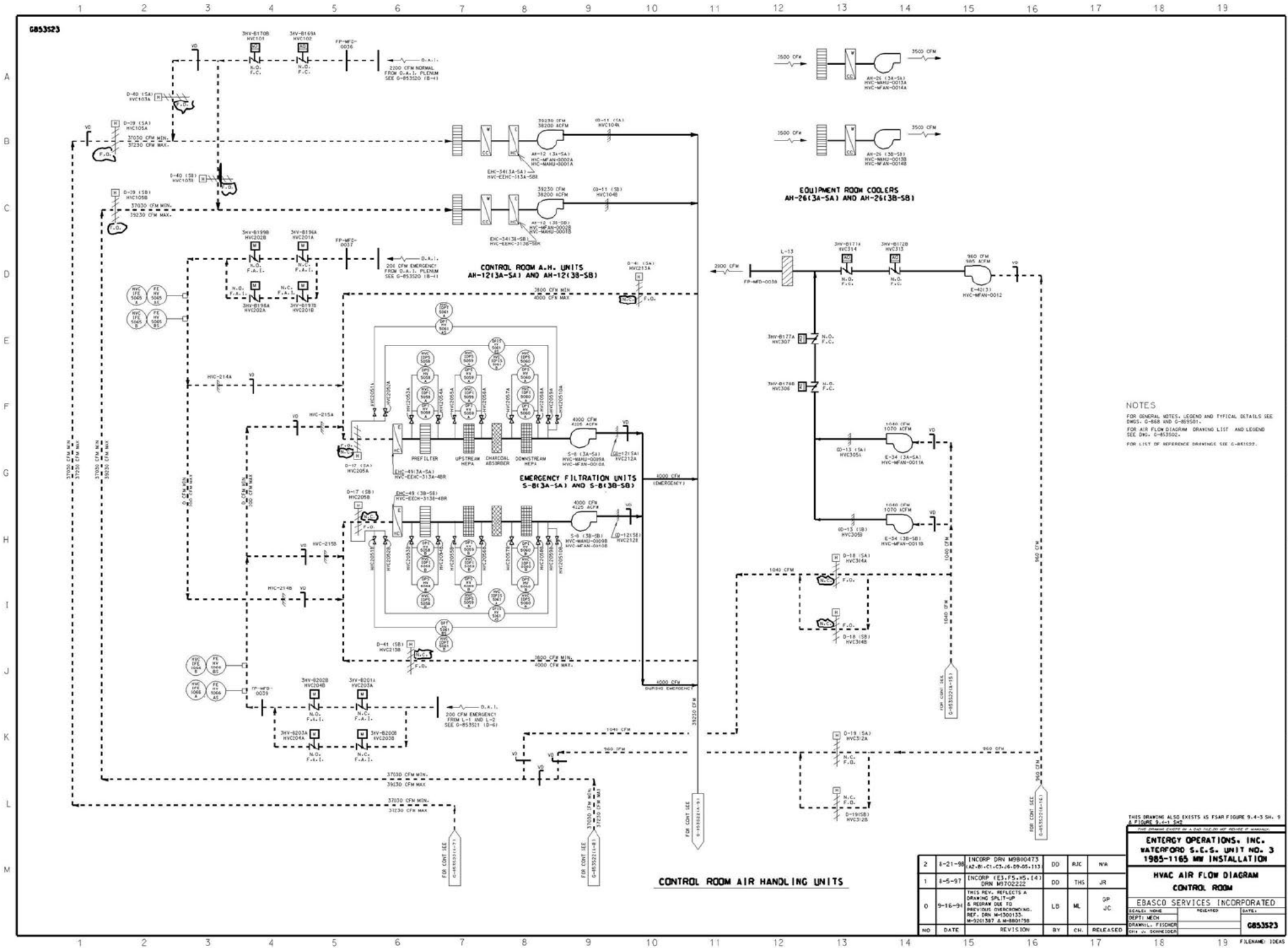
HVAC AIR FLOW DIAGRAM
 CONTROL ROOM

EBASCO SERVICES INCORPORATED

SCALE: 1/8" = 1'-0"

DRAWN BY: P. FISCHER
 CHECKED BY: GARY L. PALME
 DATE: 0853 S22

0853523



**EQUIPMENT ROOM COOLERS
AH-26(3A-SA) AND AH-26(3B-SB)**

**CONTROL ROOM A.H. UNITS
AH-12(3A-SA) AND AH-12(3B-SB)**

**EMERGENCY FILTRATION UNITS
5-0(3A-SA) AND 5-0(3B-SB)**

CONTROL ROOM AIR HANDLING UNITS

NOTES
 FOR GENERAL NOTES, LEGEND AND TYPICAL DETAILS SEE DWGS. 0-668 AND 0-895501.
 FOR AIR FLOW DIAGRAM DRAWING LIST AND LEGEND SEE DWG. 0-853500-1.
 FOR LIST OF REFERENCE DRAWINGS SEE 0-853500-2.

THIS DRAWING ALSO EXISTS AS FSAR FIGURE 9.4-3 SH. 9
 & FIGURE 9.4-1 SH. 2

**EMERGENCY OPERATIONS, INC.
 WATERFORD S.E.S. UNIT NO. 3
 1985-1165 MW INSTALLATION**

**HVAC AIR FLOW DIAGRAM
 CONTROL ROOM**

ESBASCO SERVICES INCORPORATED

2	8-21-98	INCRP DRN M980473 (A2,B1,C1,C5,J6,D9-05-113)	DD	RJC	N/A
1	8-5-97	INCRP (ES,FS,MS,14) DRN M702222	DD	THS	JR
0	9-16-94	THIS REV. REFLECTS A DRAWING SPLIT-UP & REVISION DUE TO PREVIOUS OVERBOOKING. REF. DRN M-500133 M-500137 & M-800138	LB	ML	GP JC
NO	DATE	REVISION	BY	CH.	RELEASED

SCALE: NONE
 DEPT: MECH
 DRAWN: FISCHER
 DATE: 8/21/98
 0853523

