

125VDC VITAL DISTRIBUTION SYSTEM
ONE LINE DIAGRAM
SHEET 2 OF 2

NUCLEAR SAFETY RELATED
"B" TRAIN LOAD GROUP
(EXCEPT AS NOTED)

A. ALL INSTRUMENTATION ASSOCIATED
WITH THE D.C. SYSTEMS ARE
"NOT NUCLEAR SAFETY RELATED"

B. ALL INPUTS TO STATION COMPUTER ARE:
"NOT NUCLEAR SAFETY RELATED"

NOTE: FOR CONTINUATION OF THIS DRAWING, NOTES AND REFERENCES SEE SHEET 1

3	4/30/96	—	TPN	NFF	NFF	NCD	INCORP. MINOR CHANGE
2	2/14/95	—	JLM	NFF	NFF	NCD	INCORP. MMOD 94-0553, CA-0
1	5/18/90	—	FCB	HP	APL	RHG	INCORP. MMOD 89-537 REV. 0
0	4/3/87	—	NLM	AMR	TPN	RHG	REDRAWN ON CADD; NO TECHNICAL CHANGES; ADDED SHEET 2 AND NOTE 15
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION

North Atlantic Energy Service Corporation

SEABROOK STATION

125VDC VITAL DISTRIBUTION SYSTEM ONE LINE DIAGRAM

SHEET 2 OF 2

UNIT 1

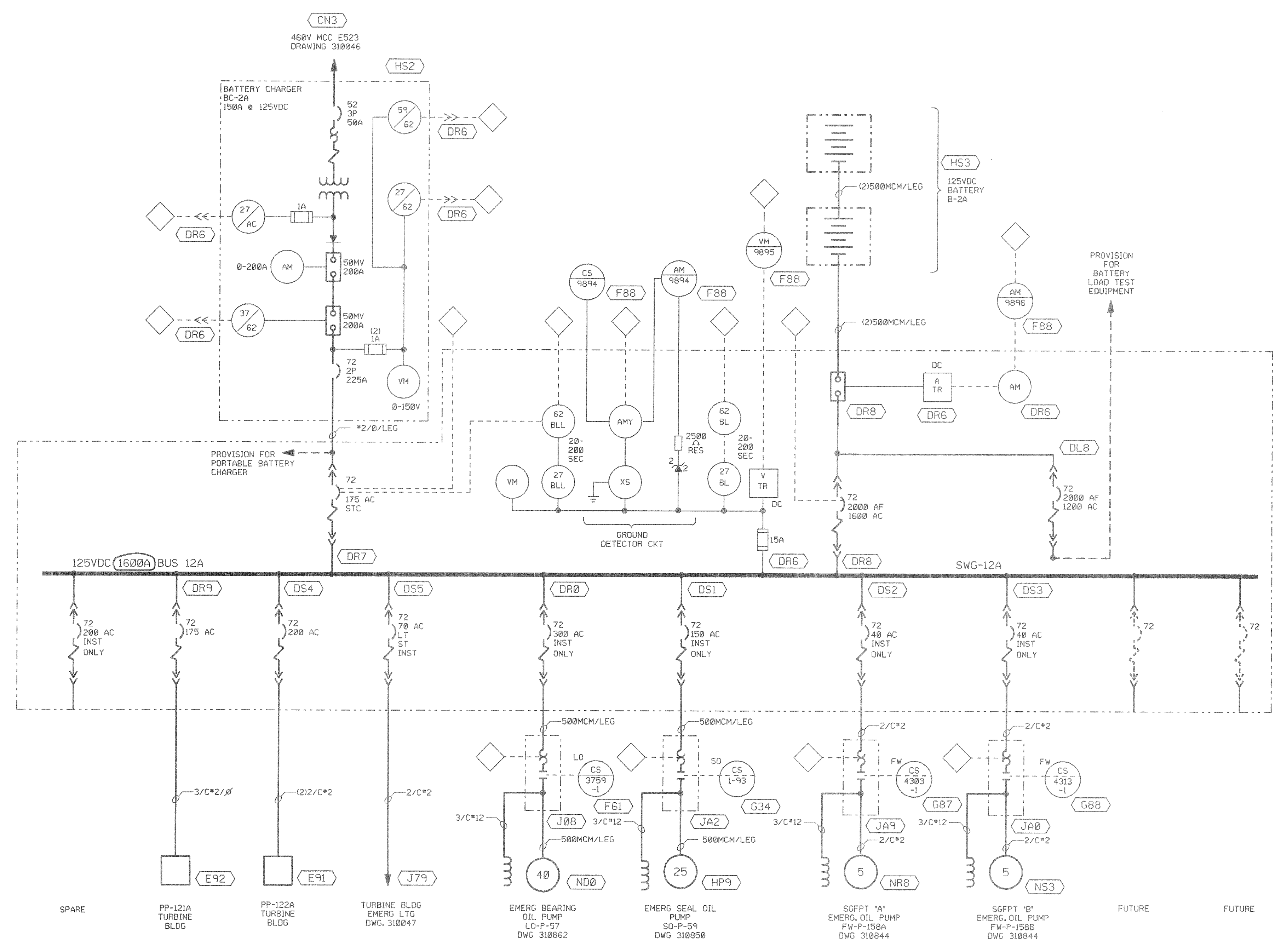
1-NHY-

310042

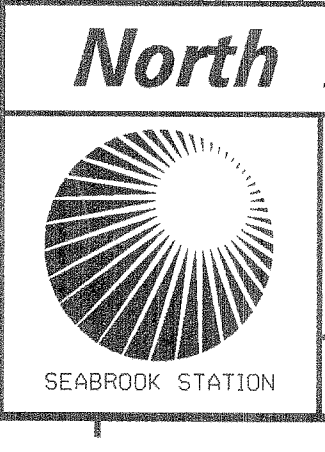
690013 -AHN-I

REFERENCE DRAWINGS:
DWG 310041 - 125 VDC AND 120 VAC INSTRUMENT BUSES
KEY ONE LINE DIAGRAM
DWG 310042 - 125 VDC VITAL DISTRIBUTION SYSTEM
ONE LINE DIAGRAM

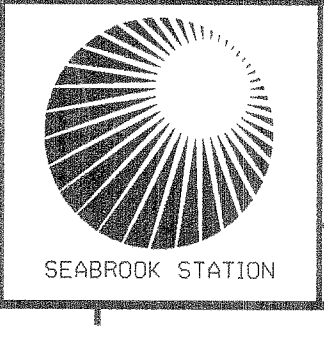
- NOTES:
1. FOR DEFINITION OF ALL SYMBOLS USED ON THIS DRAWING REFER TO ANSI Y32.2.
 2. FOR 125VDC DISTRIBUTION SCHEMATICS SEE DRAWING 310107.
 3. FOR LEGEND SEE DRAWING 300006.
 4. INDICATES EQUIPMENT DESIGNATION (LOCATION).
 5. ALL BREAKERS ARE 2 POLE UNLESS OTHERWISE NOTED.
 6. THE SYSTEM PREFIX IS ED UNLESS OTHERWISE NOTED. ALL EQUIPMENT AND DEVICES THAT HAVE TAG NUMBERS ARE TO BE PREFIXED WITH A SYSTEM NOTATION.
 7. STC - INDICATES SHUNT TRIP COIL.
 8. ALL BREAKERS ARE 800AF UNLESS OTHERWISE NOTED.
 9. ALL BREAKERS ARE MANUALLY OPERATED UNLESS OTHERWISE NOTED.
 10. ALL INCOMING LINE AND FEEDER BREAKERS WILL BE LONG TIME (LT) AND SHORT TIME (ST) UNLESS OTHERWISE NOTED.
 12. INST - INSTANTANEOUS ELEMENT.
 13. FOR BREAKER TRIP SETTING SEE DRAWING DWG 310231.
 14. 2000 AF - BREAKER FRAME RATING IN AMPS
 1600 AC - BREAKER COIL RATING IN AMPS



10	2/2/88	—	NFF	TPN	TPN	TWG	INCCORP. OCR 97-010, DCN-00
9	6/29/87	—	LP	APL	TPN	RHG	INCCORP. ECA 03/1105900 & HP9 HP REV. DUE TO ERROR IN CONVERSION.
8	4/3/87	—	NLM	AMR	TPN	RHG	REDRAWN ON CADD; NO TECHNICAL CHANGES. ADDED NOTE 15 TO SHEET 1 OF 2.
REV	DATE	DSGN	DRWN	CHKD	CE	LOE	DESCRIPTION



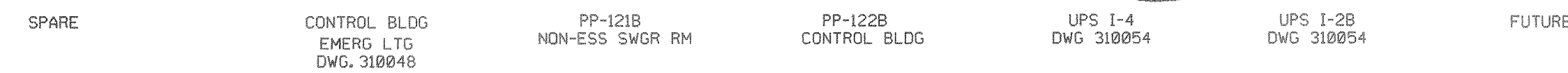
North Atlantic Energy Service Corporation




SEABROOK STATION

125VDC NON VITAL
DISTRIBUTION SYSTEM
ONE LINE DIAGRAM
SHEET 1 OF 2

UNIT 1 1-NHY- 310059



REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
1	3/1/87	---	NFF	TPN	TPN	TWG	INCORP. DCR 97-010, DCN-00
0	4/3/87	---	NLM	AMR	TPN	RHG	REDRAWN ON CADD; NO TECHNICAL CHANGES ADDED NOTE 15 TO SHEET 1 OF 2. AND ADDED SHEET 2



SEABROOK STATION

UNIT 1	1-NHY-	310059
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5	5-3184 REV. PER ECA 54/5788 B, DCN 65/0238A, DCN 63/0079A	FL	REV. DATE 9/1/84 RPP COM SUPERCEDES UE&C DWG.
6	REV. PER ECA 03/104504 B, 03/104201 C, 03/108202 A & 99/108088 B	E.G.	10/1/88 HP APL INCCORP DCR 88-125, CA-61
7	REV. PER ECA 03/1804133 B	HP	11/1/88 TRN MAY INCCORP AMOD 92-517 CA-1
8	REV. PER ECA-03/114694 B NCR 82/1360 B	AFB	12/4/99 RMC CAY INCCORP DCR 99-002 DCN 00

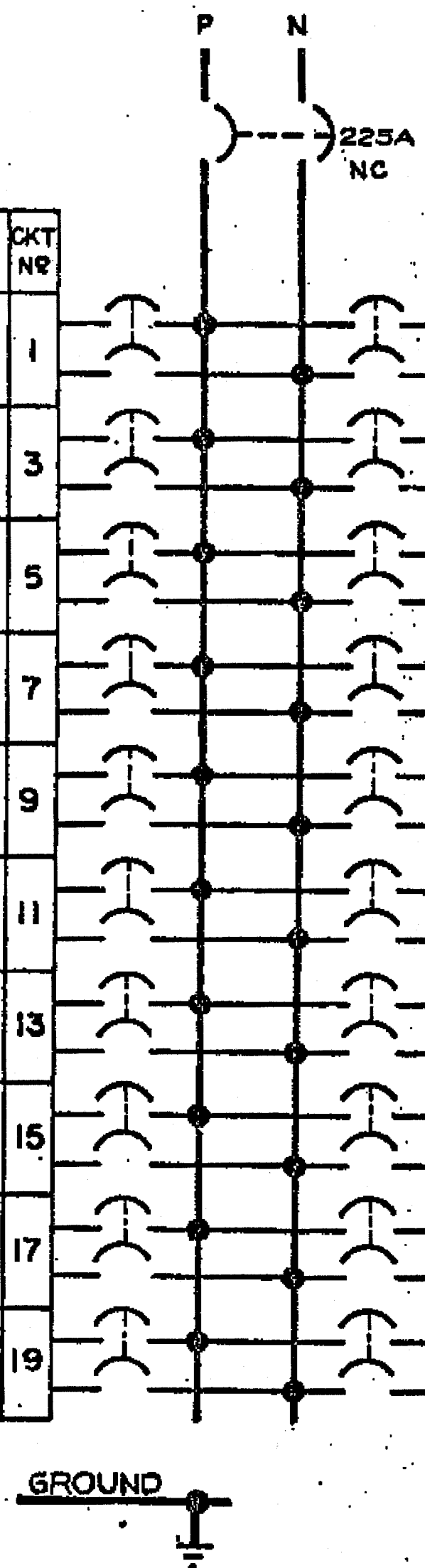
4	2-984 65/0120 B	OK	CMT 19 MADE SPARE PER DCN 65/0120 B
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125V DC BUS I-SWG-11A
DISTR PANEL I-PP-111A
SCHEDULE SH. 90
PUBLIC SERVICE CO. OF NEW HAMPSHIRE
SEABOARD STATION

1-NHY- 310107 SH.E93a

NUCLEAR SAFETY RELATED
'A' TRAIN LOAD GROUP

REFERENCE DWG	DESCRIPTION	LOAD (AMPS)	BKR TRIP (AMPS)	CKT NO	CKT NO	BKR TRIP (AMPS)	LOAD (AMPS)	DESCRIPTION	REFERENCE DWG
310102 SH. 5h	4.16 KV BUS E5 125V DC AUXILIARY BUS *	—	80	1	2	20	—	480V BUS E51 125V DC AUXILIARY BUS	310103 SH. 5m
310103 SH. 5h	480V BUS E52 125V DC AUXILIARY BUS	—	20	3	4	20	—	480V BUS E53 125V DC AUXILIARY BUS	310103 SH. 5o
310108 SH. E93/5a	EMERGENCY POWER SEQUENCER	—	15	5	6	20	—	NG SYSTEM "A" TRAIN-VITAL CTL.	310868 E93/6
	SPARE	—	20	7	8	20	—	DG-1A CONTROL POWER	310867 SH. E93/8a
310944 SH. HD3a	CP-CP-111 REACTOR TRIP SWITCHGEAR *	—	15	9	10	20	—	SPARE	
310927 SH. E93/11	ETA SYSTEM TRAIN 'A' AIR CONDITIONING	—	20	11	12	20	—	SPARE	
	SPARE	—	20	13	14	20	—	SB SYSTEM ISOLAT. VALVES CONTR.	310901 SH.E93/14
	SPARE	—	15	15	16	20	—	SPARE	
	SPARE	—	20	17	18	20	—	SPARE	
	SPARE	—	20	19	20	15	—	LOSS OF POWER	SH-E93/20



225A, 125V DC, 2W
DISTRIBUTION PANEL
(E93)
CONTROL BLDG. EL. 21'-6" COL. 3B
*-ONE MINUTE LOAD

- NOTES:**
1. FOR THREE LINE DIAGRAM SEE SH. DB10.
 2. FOR ARRGT SEE RP 31883
 3. ALL BREAKERS ARE THERMAL-MAGNETIC EXCEPT MAIN BREAKER WHICH IS NON-AUTO.
 4. SEE CALCULATION 9763-3-ED-00-14-F FOR CIRCUIT LOAD AMPS.

1-NHY- 310107 SH.E93a

REV	DATE	DRWN	CHKD	DESCRIPTION
16	5/24/02	TPN	TPN	REFERENCE CR 06-4510
15	4/1/99	RMC	CMF	INCCRP DCR 99-002 DCN 00
14	6/23/98	RMC	RJS	INCCRP DCR 90-051DCN 00
13	6/20/97	RJS	TPN	INCCRP DCR 97-04 DCN 00
12	8/18/94	TPN	NFF	INCCRP MMOD 91-640 CA 0

New Hampshire
Yonkee
 Seabrook
 Station

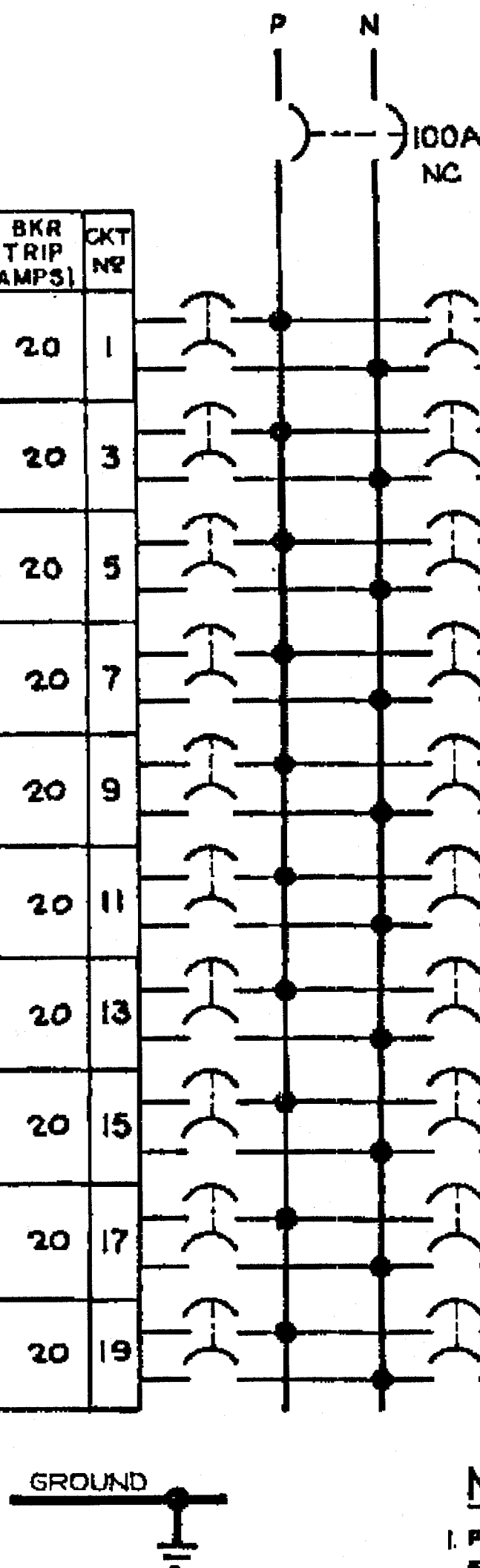
SH. 78

1-NHY-310107 SH.E870

125V DC BUS 1-SWC-11A
 DISTR. PANEL 1-PP-112A
 SCHEDULE

NUCLEAR SAFETY RELATED
"A" TRAIN LOAD GROUP

100A,125V DC,2W
DISTRIBUTION PANEL
(E87)
CONTROL BLDG. EL. 21'-6" COL. 2B



REFERENCE DWG	DESCRIPTION	LOAD (AMPS)	BKR TRIP (AMPS)	CKT Nº	CKT Nº	BKR TRIP (AMPS)	LOAD (AMPS)	DESCRIPTION	REFERENCE DWG
	SPARE	—	20	1	2	20	—	RHR TRAIN A VITAL CONTROL POWER	310887 SH. E87/2a
310920 SH. E87/3a	COP SYSTEM CONTROL POWER	—	20	3	4	20	—	SW SYSTEM TRAIN-A TOWER ACTUATION LOGIC	301107 SH. E87/4a
301216 SH. E87/5a	WLD SYSTEM CONTROL POWER	—	20	5	6	20	—	FW SYSTEM CONTROL POWER	310844 SH. E87/6a
310890 SH. E87/7b	SI SYSTEM CONTROL POWER	—	20	7	8	20	—	CBS SYSTEM CONTROL POWER	310900 SH. E87/8a
310901 SH. E87/9a	SB SYSTEM CONTROL POWER	—	20	9	10	20	—	CC SYSTEM CONTROL POWER	310895 SH. E87/10a
	SPARE	—	20	11	12	20	—	CC SYSTEM RSS CIRCUITS	310895 SH. E87/12a
310841 SH. E87/13a	M5 SYSTEM RSS CIRCUITS	—	20	13	14	20	—	M5 SYSTEM ISO. VALVE M5-V-86	310841 SH. E87/14a
	SPARE	—	20	15	16	20	—	CAP SYSTEM CONTROL POWER	310899 SH. E87/16a
	SPARE	—	20	17	18	20	—	M5 SYSTEM ISO VALVE M5-V-92	310841 SH. E87/18a
310882 SH. E87/19a	RC SYSTEM RSS CIRCUITS	—	20	19	20	15	—	LOSS OF POWER	SH-E87/20

NOTES:

1. FOR THREE LINE DIAGRAM
SEE SH. DB1a.
2. FOR ARG'T SEE FP 31870
3. ALL BREAKERS ARE THERMAL-MAGNETIC
EXCEPT MAIN BREAKER WHICH IS NON-AUTO.
4. TYPE ED-FRAME CAN NOT BE USED TO REPLACE
E-FRAME BRANCH BREAKERS IN THIS PANEL
5. SEE CALCULATION 9763-3-ED-00-14-F
FOR CIRCUIT LOAD AMPS.

1-NHY-310107 SH.E87a

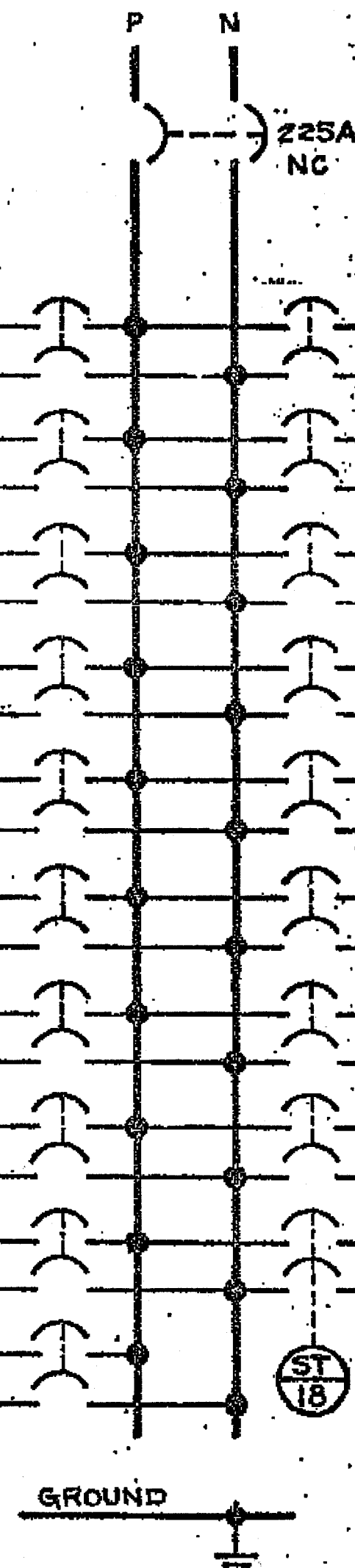
5	2-9-84	CKT 19 MADE SPARE PER DCN 63/0046A	DK	REV DATE	DRWN	CHKD	DESCRIPTION
6	5-31-84	ASSIAN D CKT 12 TO 55 SYS. REV PER DCN 63/0079A	FL	15	11/28/85	12/7/87	INCORP DCE 99-002 DEW 00
7	8-30-85	REV PER ECA 03/104604B 1	EG	11	9/25/87	12/7/87	INCORP DCE 99-002 DEW 00
8	2-24-86	REV PER ECA 03/104604B 2	EG	12	11/28/85	12/7/87	INCORP DCE 99-002 DEW 00
9	5-9-86	REV PER ECA-03/114697B NCR 82/1980B	AFB	13	5/24/86	12/7/87	INCORP DCE 99-002 DEW 00

1-NHY-	310107	SH.E94a
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125V DC BUS 1-SWG-11B	DISTR. PANEL 1-PP-111B	SCHEDULE SH. 23
New Hampshire	Yankee	Seabrook Station

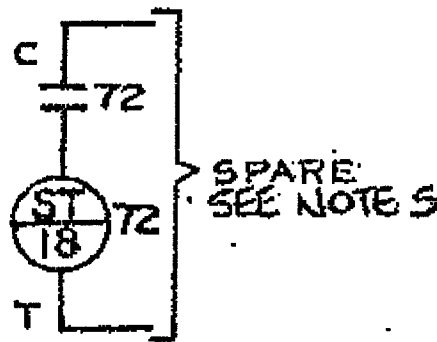
NUCLEAR SAFETY RELATED
B TRAIN LOAD GROUP

REFERENCE DWG	DESCRIPTION	LOAD (AMPS)	BKR TRIP (AMPS)	CKT NO
310102 SH. 52	4.16KV BUS E6 125V DC AUXILIARY BUS *	80	1	
310103 SH. 5r	480V BUS E62 125V DC AUXILIARY BUS	20	3	
310108 SH. E94/5a	EMERGENCY POWER SEQUENCER	15	5	
—	SPARE	20	7	
310944 SH. HD2a	CP-CP-111 REACTOR TRIP SWITCHGEAR *	15	9	
310927 SH. E94/11	ETA SYSTEM TRAIN 'B' AIR CONDITIONING	20	11	
—	SPARE	20	13	
—	SPARE	15	15	
310103 SH. 5c	480V BUS E64 125V DC AUXILIARY BUS	20	17	
—	SPARE	20	19	



225A, 125V DC, 2W
DISTRIBUTION PANEL
(E94)
CONTROL BLDG. EL. 2'-6" COL. 3D

* - ONE MINUTE LOAD

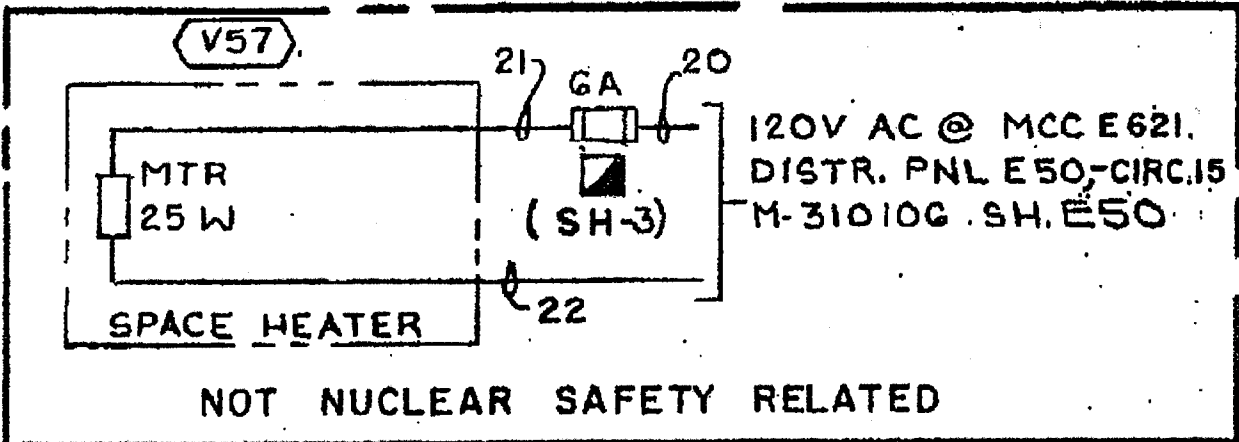


CKT NO	BKR TRIP (AMPS)	LOAD (AMPS)	DESCRIPTION	REFERENCE DWG
2	15 SEE NOTE 4	—	480V BUS E61 125V DC AUXILIARY BUS	310103 SH. 5q
4	20	—	480V BUS E63 125V DC AUXILIARY BUS	310103 SH. 5s
6	20	—	NG SYSTEM "B" TRAIN-VITAL CTL.	310868 SH. E94/6
8	20	—	DG-1B CONTROL POWER	310857 SH. E94/8a
10	20	—	SPARE	
12	20	—	SPARE	
14	15	—	LOSS OF POWER	SH-E94/14
16	20	—	CS SYSTEM CONTROL POWER	310891 SH. E94/16a
18	100	—	ED-PP-1111B 125VDC DISTRIBUTION PANEL 1111B	SH. E95a
20	—	—	SPACE	

NOTES:

1. FOR THREE LINE DIAGRAM SEE SH. DA10.
2. FOR ARRGT SEE RP 31884
3. ALL BREAKERS ARE THERMAL-MAGNETIC EXCEPT MAIN BREAKER WHICH IS NON-AUTO.
4. IF FUTURE E.O. BREAKERS ON THIS BUS ARE ACTIVATED, CHANGE THIS BREAKER TO 20 AMPS AND REVISE CABLE SIZE ACCORDINGLY.
5. SHUNT TRIP OPTIONAL
6. SEE CALCULATION 9763-3-ED-00-14-F FOR CIRCUIT LOAD AMPS.

1-NHY- 310107 SH.E94a



1-NHY- 310890 SH-B43a

7	124-86	REV PER ECA-99/11046BA	WPB	WMA	WMA
REV	DATE	DRWN	CHKD	DESCRIPTION	
8	2/25/07	HK	CCM	9763-M-310890 SH-B43A SUPERCEDES UE&C DWG.	
9	1/24/07	HP	AMR	INCORP DCR 87-0071, CA-02	
10	1/24/07	AMR	HP	INCORP DCR 86-0403, CR-07	
11	3/19/01	HP	APL	INCORP MMD 91-504, CA-0	
12	6/25/84	REV. PER	DCN 63/0082A	NE	WMA

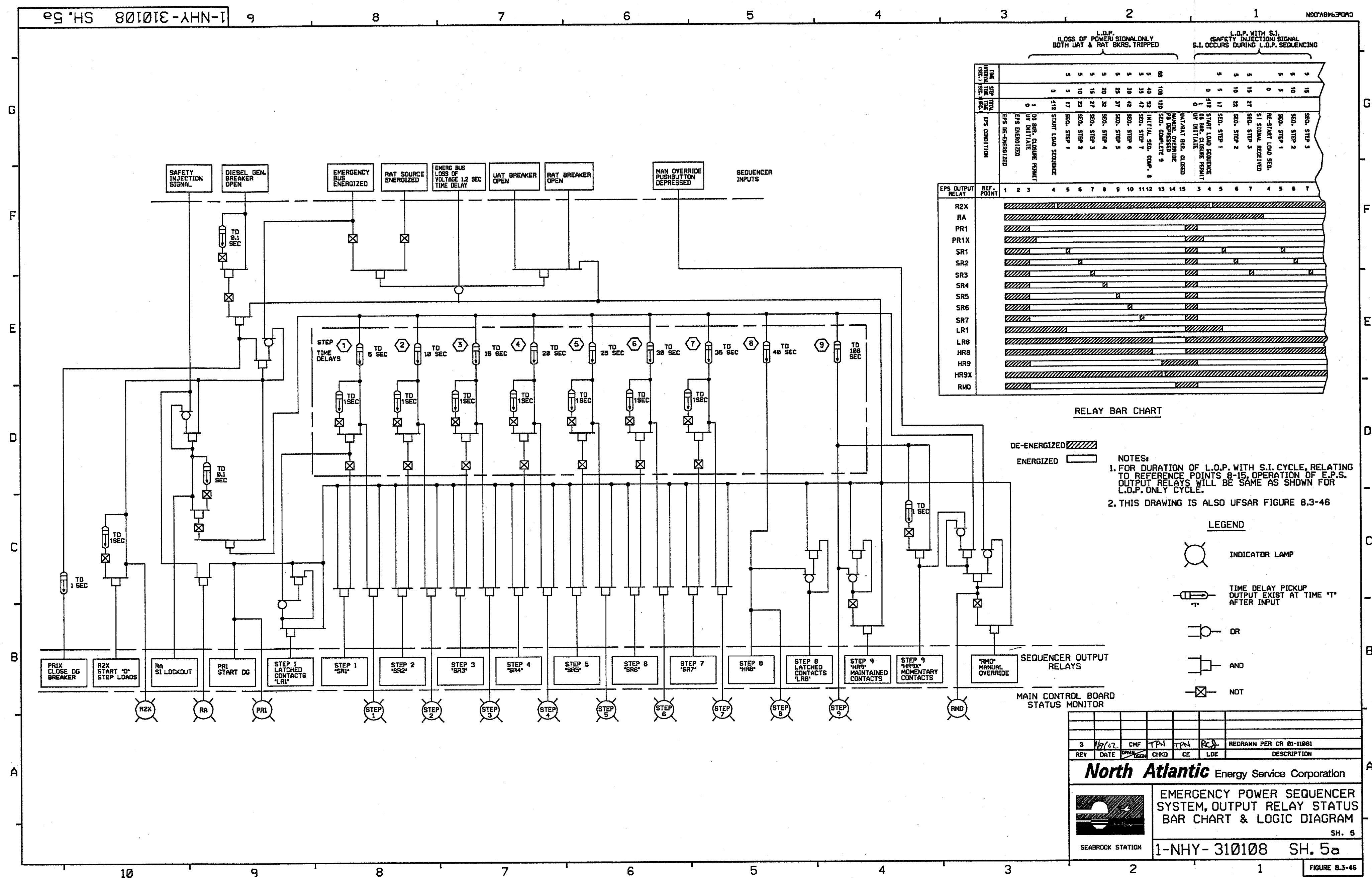
SI PUMPS TO CBS-TK-8ISO VLV

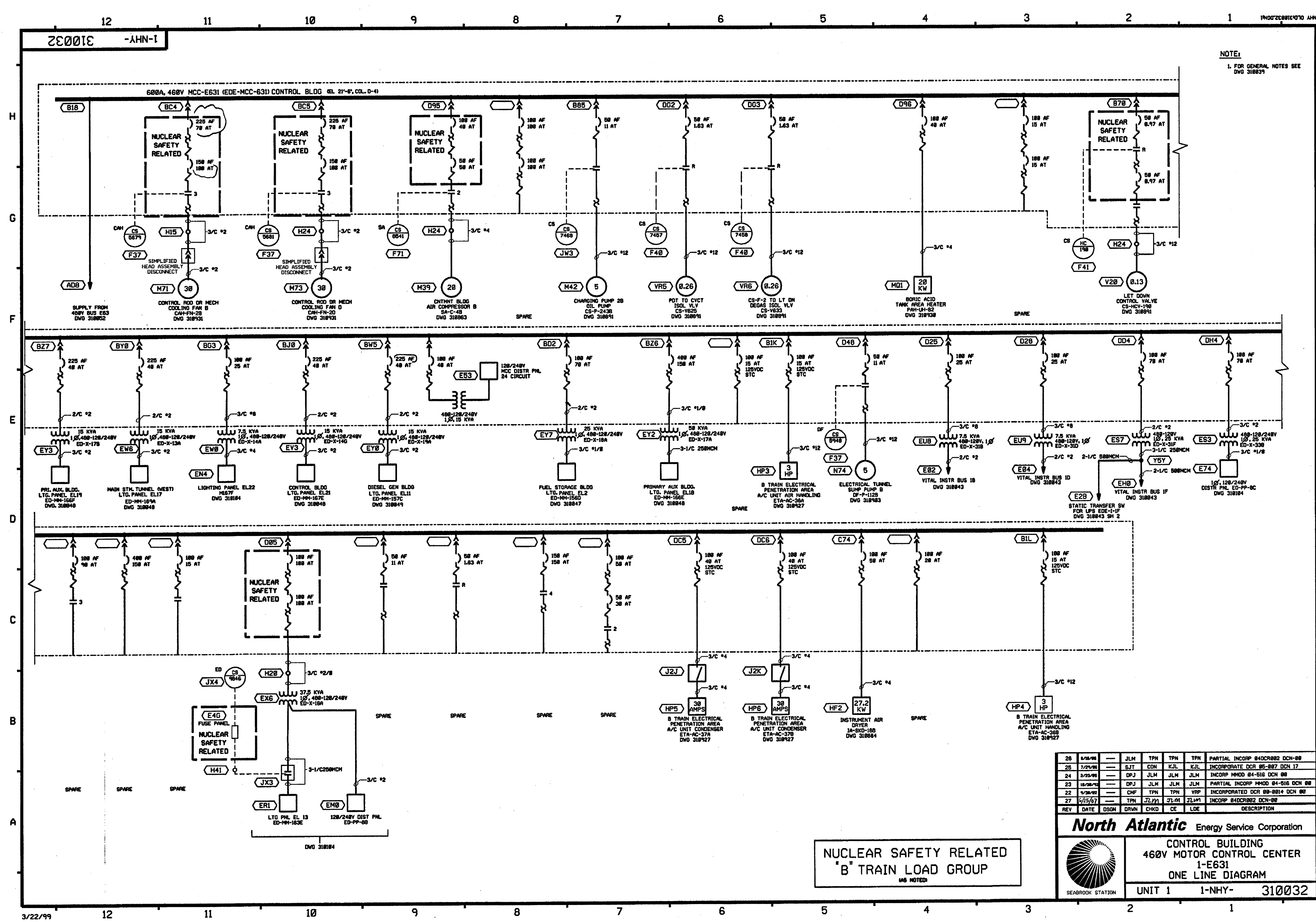
I-V-93

SCHEMATIC DIAGRAM

New Hampshire
Yankee
 Seabrook
 Station

1-NHY- 310890 SH-B43A






NOTE:
1. FOR GENERAL NOTES SEE
DWG 318639

NUCLEAR SAFETY RELATED
"B" TRAIN LOAD GROUP
448 NOTED

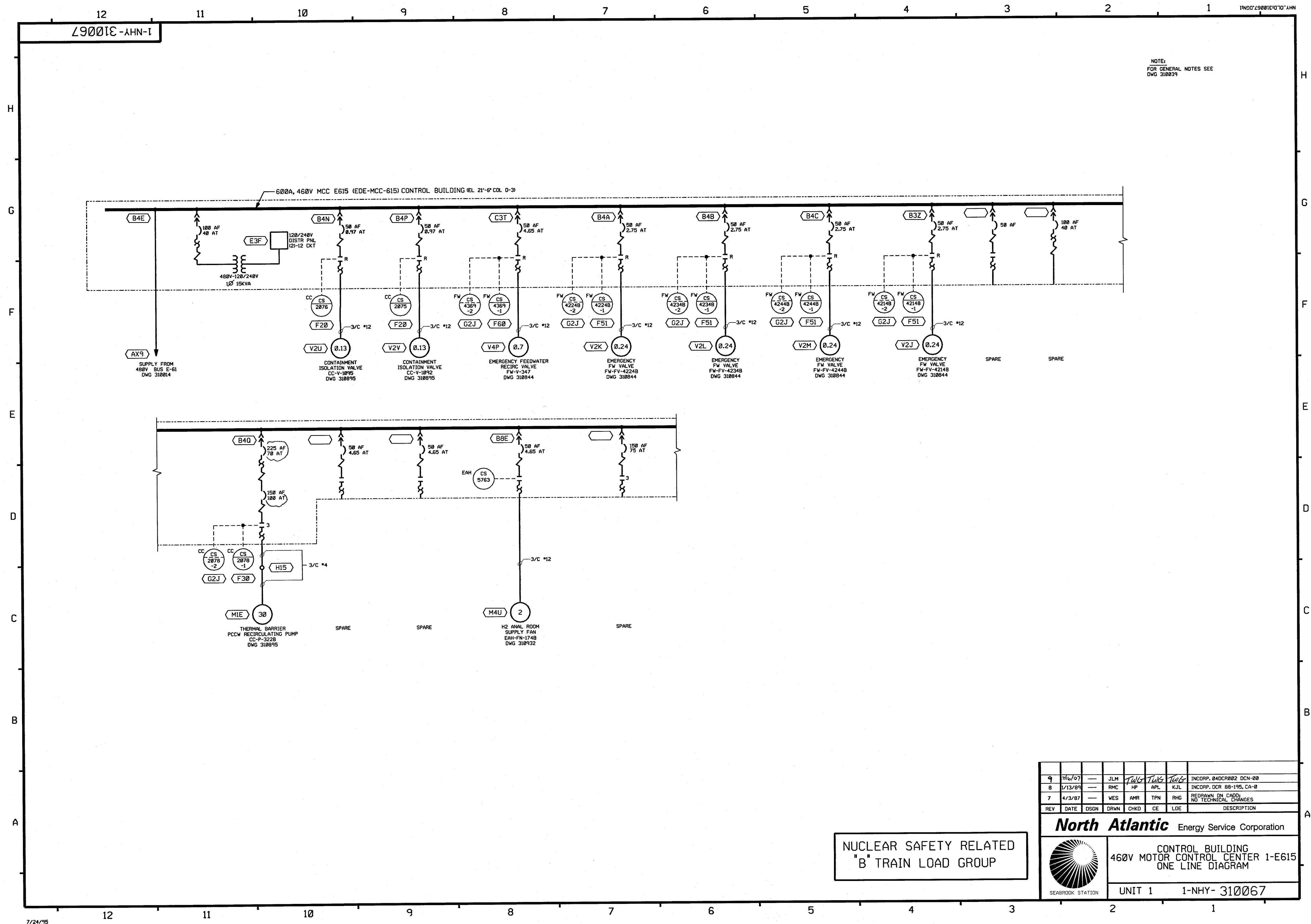
28	5/18/98	---	JLM	TPN	TPN	TPN	PARTIAL INCORP 84DCR882 DCN-88
26	7/27/98	---	SJT	CON	KJL	KJL	INCORPORATE DCR 85-887 DCN 17
24	2/23/99	---	DPJ	JLM	JLM	JLM	INCORP M40D 84-816 DCN 88
23	10/28/92	---	DPJ	JLM	JLM	JLM	PARTIAL INCORP M40D 84-816 DCN 88
22	1/26/92	---	CHF	TPN	TPN	VRP	INCORPORATED DCR 88-881+ DCN 88
27	6/25/97	---	TPN	JLM	JLM	JLM	INCORP 84DCR882 DCN-88
REV	DATE	DSGN	DRWN	CHKD	CE	LOE	DESCRIPTION

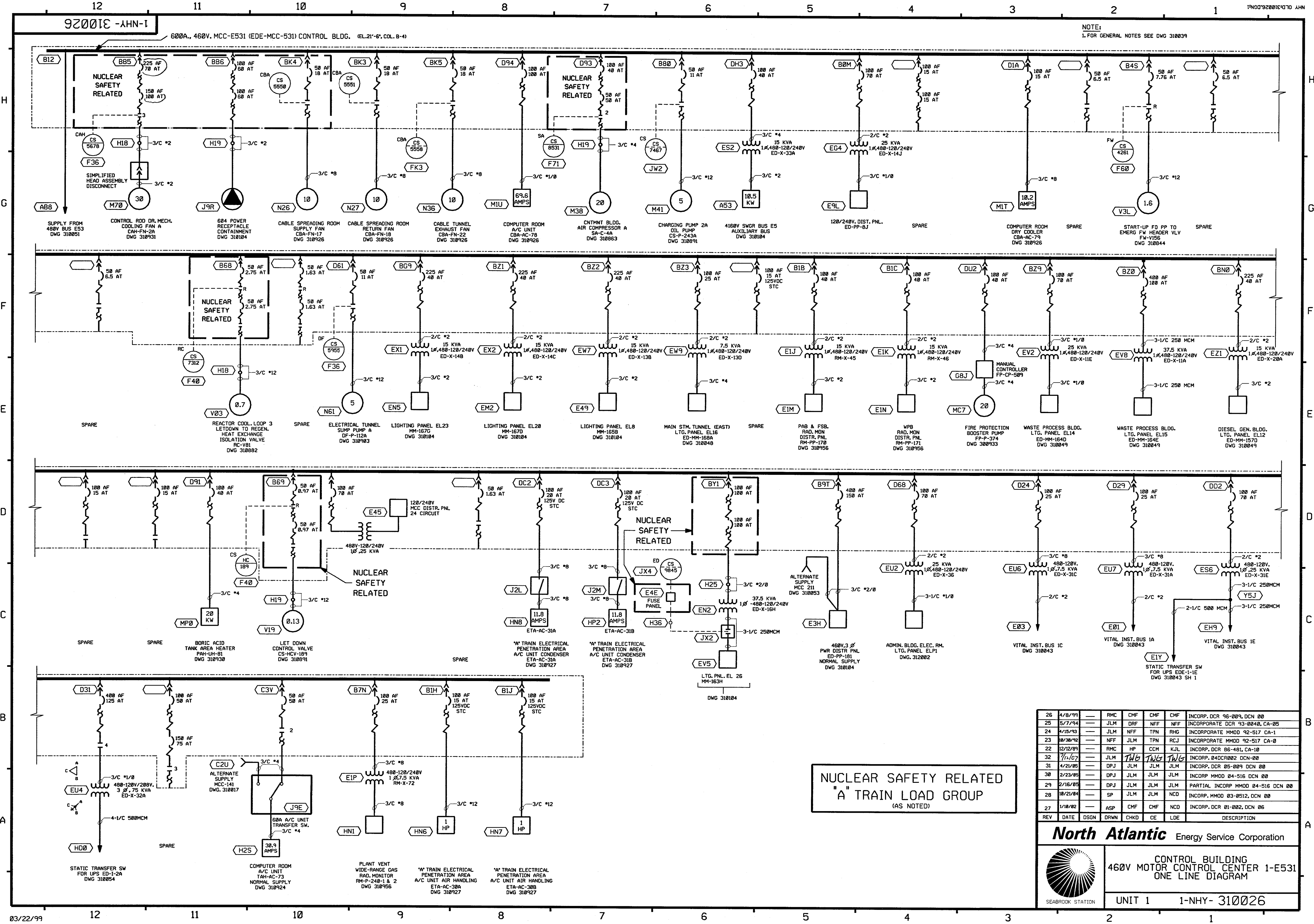


North Atlantic Energy Service Corporation


CONTROL BUILDING
460V MOTOR CONTROL CENTER
1-E631
ONE LINE DIAGRAM

UNIT 1 1-NHY- 310032





REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
26	4/8/99	—	RMC	CMF	CMF	CMF	INCORP. DCR 96-009, DCN 00
25	5/7/94	—	JLM	DRF	NFF	NFF	INCORPORATE DCR 93-0048, CA-05
24	4/15/93	—	JLM	NFF	TPN	RHG	INCORPORATE MM02 92-517 CA-1
23	8/30/92	—	NFF	JLM	TPN	RCJ	INCORPORATE MM02 92-517 CA-0
22	12/12/89	—	RMC	HP	CCM	KJL	INCORP. DCR 86-481, CA-10
31	7/16/87	—	JLM	TW6	TW6	TW6	INCORP. 04DCR002 DCN-00
30	4/21/85	—	DPJ	JLM	JLM	JLM	INCORP. DCR 85-009 DCN 00
29	2/23/85	—	DPJ	JLM	JLM	JLM	INCORP. MM02 84-516 DCN 00
28	1/16/85	—	DPJ	JLM	JLM	JLM	PARTIAL INCORP MM02 84-516 DCN 00
27	1/18/82	—	ASP	CMF	CMF	NCD	INCORP. DCR 81-002, DCN 06

**North Atlantic**
Energy Service Corporation

CONTROL BUILDING
460V MOTOR CONTROL CENTER 1-E531
ONE LINE DIAGRAM

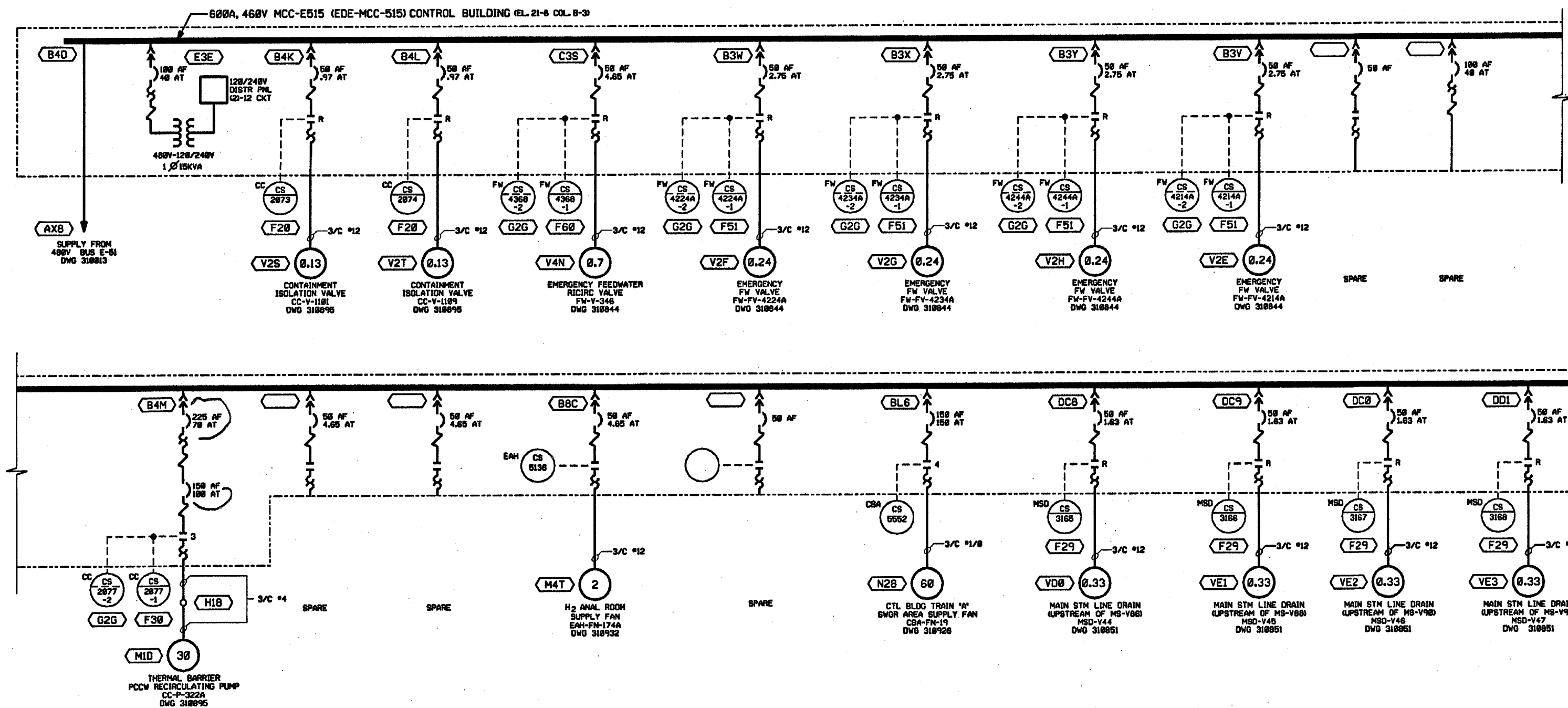
UNIT 1

1-NHY- 310026

NUCLEAR SAFETY RELATED
"A" TRAIN LOAD GROUP
(AS NOTED)

99001E -AHN-1

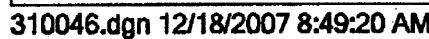
NOTE:
1. FOR GENERAL NOTES SEE DWG. 310036



NUCLEAR SAFETY RELATED
"A" TRAIN LOAD GROUP

REV	DATE	DSGN	DRWN	CHKD	CE	LOE	DESCRIPTION
9	4/12/01		TPN	Jm	Jm	Jm	INCORP DCR 64-022 DCM 68
8	1/13/01		RNC	HP	APL	K.J.L	INCORP DCR 68-195, CA-8
7	4/3/97		WES	AMR	TPN	RND	REDRAWN ON CAD NO TECHNICAL CHANGES

North Atlantic Energy Service Corporation	
CONTROL BUILDING 460V MOTOR CONTROL CENTER 1-E515 ONE LINE DIAGRAM	
SEABROOK STATION	UNIT 1 1-NHY- 310066



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

REV	DATE	DRWN	CHKD	DESCRIPTION	REV	DATE	DESCRIPTION	DWN.	BY	CKD.	BY	1-NHY-310107 SH. EGIa
8	4-1-79	DMC	DMH	INCORP DCR 99-002 DCMO								
7	4/15/80	TRN	MPX	INCORP MMOD 92-517 CA-1	3	8-30-85	REV. PER ECA 03/101312B	EG	EG1			125V DC BUS 1-SWG-11C
6	12-5-80	HP	APL	INCORP MMOD 89-605 CA-0	2	5-31-84	REV. PER DCN 63/0079A	FL	FL			DISTR. PNL. 1-PP-111C
5	11/1/80	HP	APL	INCORP 88-125, CA-0/1	1	4-30-82	ADDED FP REFERENCE	NP	NP			SCHEDULE SH. 168
4	11/1/80	RRP	CCM	9763-M-310107 SH. EGIa SUPERCEDES UE&C DWG:	0	11/2/81	FIRST ISSUE DCN 03/1016B	NP	NP			New Hampshire Yankee Seabrook Station

NUCLEAR SAFETY RELATED
A. TRAIN LOAD GROUP

REFERENCE DWG	DESCRIPTION	AMPS LOAD	BKR TRIP	CKT NO.	CKT NO.	BKR TRIP	AMPS LOAD	DESCRIPTION	REFERENCE DWG
—	SPARE	—	20	1	2	20	—	SPARE	—
—	SPARE	—	20	3	4	20	—	SPARE	—
—	SPACE	—		5	6	30	—	SPARE	—
—	SPARE	—	20	7	8	20	—	SPARE	—
—	SPARE	—	20	9	10	20	—	SPARE	—
M-310882 SH. A091	REACTOR COOLANT PUMP RC-P-1C UNDERVOLTAGE & UNDERFREQUENCY CKT	—	20	11	12	20	—	SPARE	—
—	SPARE	—	20	13	14	20	—	SPARE	—
—	SPARE	—	20	15	16	20	—	SPARE	—
—	SPARE	—	15	17	18	15	—	SPARE	—
—	SPARE	—	15	19	20	15	—	LOSS OF POWER	SH. EGI/20

P N
225A
NC

GROUND

225A, 125V DC, 2W
DISTRIBUTION PANEL

EG1
CONTROL BLDG. EL. 21'-6" COL. A-2

NOTES:

1. FOR THREE LINE DIAGRAM SEE SH. D88a.
2. FOR ARR'G'MT. SEE FP-33145
3. ■ SEE SH. 3
4. ALL BREAKERS ARE THERMAL-MAGNETIC EXCEPT MAIN BREAKER WHICH IS NON-AUTO.
5. SEE CALCULATION 9763-3-ED-00-14-F FOR CIRCUIT LOAD AMPS.

1-NHY-310107 SH. EGIa

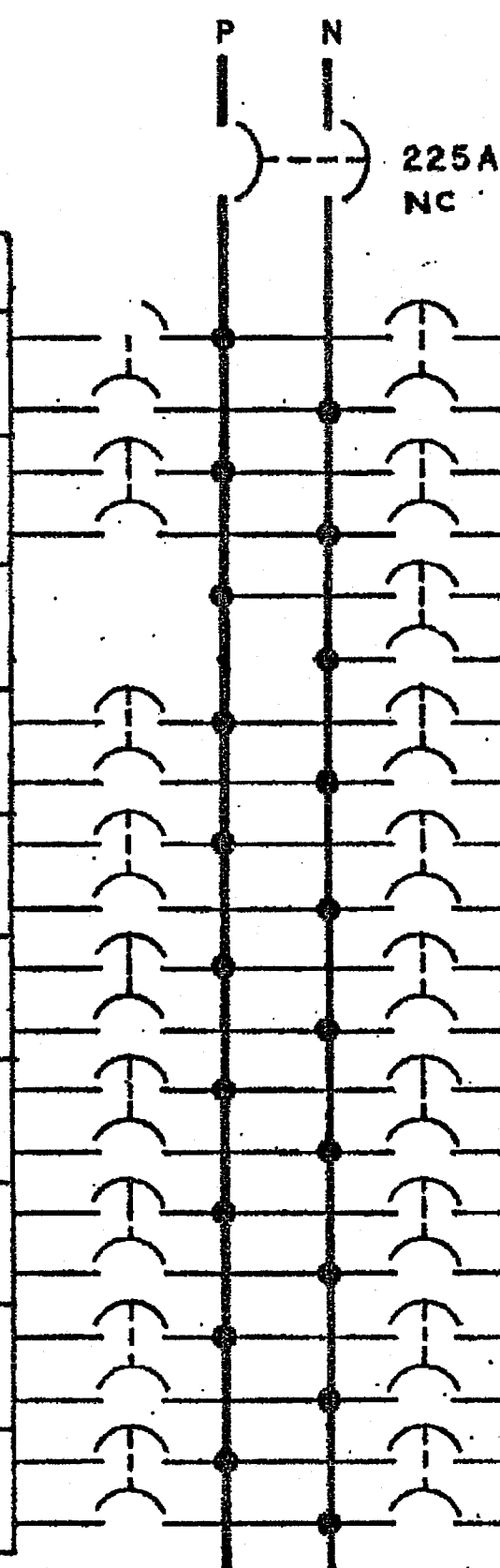
8	4-1-99	PMC DWN	INCORP DCR 99-002 DCN 00				
7	4/15/99	PPA	INCORP MMOD 92-517 CA-1	3	83065	REV. PER ECA 03/101312B	EG
6	12-5-99	HP	INCORP MMOD 89-605, CA-0	2	5-31-84	REV. PER DCN 63/0079A	FL
5	11/9/88	HP	INCORP DCR 88-125, CA-41	1	93082	ADDED FP REF	NP
	12/						
4	11/	RRP	97U-3-M-310107 SH.EG2a	0	11/2/8	FIRST ISSUE DCN 03/1016B	NP
REV	DATE	DRWN	CHKD	REV.	DATE	DESCRIPTION	DWN. BY
							CKD. BY

New Hampshire
Yankee
Seabrook
Station

1-NHY- 310107 SH.EG2a

125V DC BUS 1-SWG-11D
DISTR. PNL. 1-PP-111D
SCHEDULE SH.70

REFERENCE DWG	DESCRIPTION	AMPS LOAD	BKR TRIP	CKT NO.
—	SPARE	—	20	1
—	SPARE	—	20	3
—	SPACE	—		5
—	SPARE	—	20	7
—	SPARE	—	20	9
M 310882 SH. A241	REACTOR COOLANT PUMP RC-P-ID UNDERVOLTAGE & UNDERFREQUENCY CKT	—	20	11
—	SPARE	—	20	13
—	SPARE	—	20	15
—	SPARE	—	15	17
—	SPARE	—	15	19



CKT NO.	BKR TRIP	AMPS LOAD	DESCRIPTION	REFERENCE DWG
2	20	—	SPARE	—
4	20	—	SPARE	—
6	30	—	SPARE	—
8	20	—	SPARE	—
10	20	—	SPARE	—
12	20	—	SPARE	—
14	20	—	SPARE	—
16	20	—	SPARE	—
18	15	—	SPARE	—
20	15	—	LOSS OF POWER	SH. EG2/20

GROUND

225A, 125V DC, 2W
DISTRIBUTION PANEL

CONTROL BLDG. EL. 21'-6" COL. E-2

NUCLEAR SAFETY RELATED
'B' TRAIN LOAD GROUP

125V DC BUS 1-SWG-11ID
DISTR. PNL. 1-PP-11ID
SCHEDULE 5H.70

New Hampshire
Yankee

Seabrook
Station

1-NHY- 310107 SH. EG2a

NOTES:

1. FOR THREE LINE DIAGRAM SEE SH. DB2a
2. FOR ARR'G'MT. SEE FP-33146
3. SEE SH. 3
4. ALL BREAKERS ARE THERMAL-MAGNETIC EXCEPT MAIN BREAKER WHICH IS NON-AUTO.
5. SEE CALCULATION 9763-3-ED-00-14-F FOR CIRCUIT LOAD AMPS.

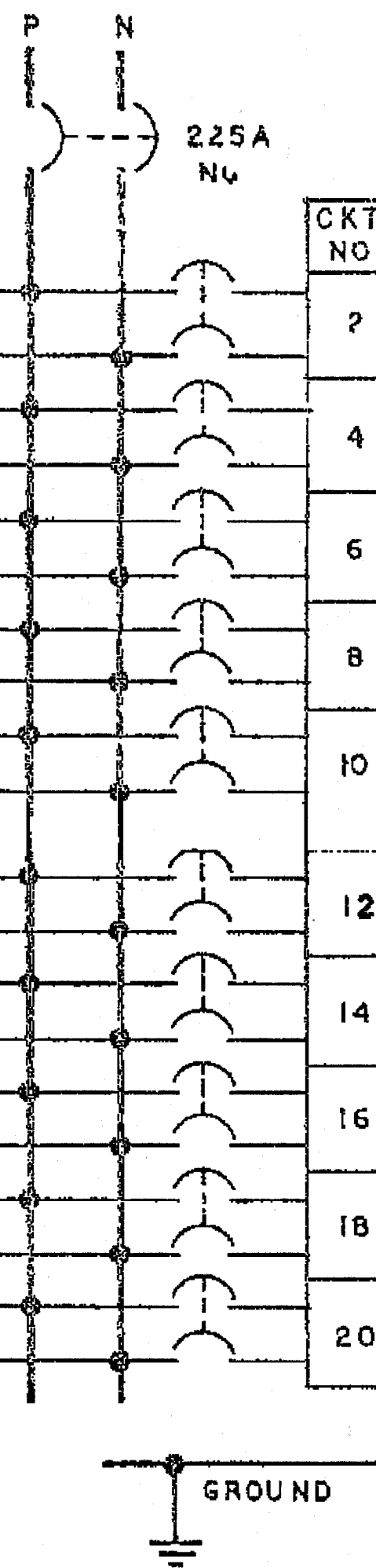
1-NHY- 310107 SHEG2a

5	225A, 125V DC E2T/20	REV	DATE	DRWN	CHKD	DESCRIPTION
10	4/1/79	RMC	9/2/79	INCORP	DCR-99-002	DCR-99-002
9	11/8/79	SAC	11/8/79	INCORP	DCR-99-002	DCR-99-002
8	4/15/83	TPN	7/7/83	INCORP	DCR-99-002	DCR-99-002
12	2/27/86	JLM	7/7/86	REF.	CR-06-03171	CR-06-03171
11	11/10/86	JLM	11/10/86	INCORP	DCR-00-020	DCR-00-020

125V DC BUS 1-SMG-11A	125V DC BUS 1-SMG-11A
DISTR PNL 1-PP-113A	DISTR PNL 1-PP-113A
SCHEDULE SH 74	SCHEDULE SH 74
New Hampshire Yankee	Seabrook Station

1-NHY-310107 SH E2T_a

REFERENCE DWG	DESCRIPTION	AMPS LOAD	BKR TRIP	CKT NO	CKT NO	BKR TRIP	AMPS LOAD	DESCRIPTION	REFERENCE DWG
M-301107 SH-E2T/1a	SW SYSTEM SW PUMP PERMISSIVE TRAIN A (RV-54)	—	20	1	2	20	—	SW SYSTEM TRAIN-A SW VALVE (SW-V16)	M-301107 SH-E2T/2a
M-310895 SH-E2T/3a	CC SYSTEM HX-E17A TEMP CTL VLV's CC TV-2171-1 & 2	—	20	3	4	20	—	CC SYSTEM LP-A INBD RET & SUPPLY ISO VLV's CC-V121 & V57	M-310895 SH-E2T/4a
	SPARE	—	20	5	6	20	—	CC SYSTEM LP-B OUTBD SUPPLY & RET ISO VLV's CC-V175 & V257	M-310895 SH-E2T/6a
M-310890 SH-E2T/7a	SI SYSTEM SI-FV-2482, 83, 95 & FV 2496	—	20	7	8	20	—	MS SYSTEM ATMOS RELIEF VALVE MS-FV-3001	M-310841 SH-E2T/8a
M-310895 SH-E2T/9a	CC SYS-PCCW LOOP A LIQUID RADIATION MON'T'R SAMPLE VALVES V-975 & V-1298	—	20	9	10	20	—	MS SYSTEM ATMOS RELIEF VALVE MS-FV-3003	M-310841 SH-E2T/10a
M-310882 SH-A051	REACTOR COOLANT PUMP RC P 1A UNDERVOLTAGE & UNDERFREQUENCY CKT	—	20	11	12	20	—	MS SYSTEM MAIN STM ISO VALVE MS-V-88	M-310841 SH-E2T/12a
	SPARE	—	20	13	14	20	—	MS-SYSTEM MAIN STEAM ISO VALVE MS-V-90	M-310841 SH-E2T/14a
M-310841 SH-E2T/15	MS SYSTEM ATMOS RELIEF VLV MS-PV-3002	—	20	15	16	20	—	MS SYSTEM ATMOS RELIEF VLV MS-PV-3004	M-310841 SH-E2T/16a
	SPARE	—	20	17	18	20	—	SPARE	
	SPARE	—	20	19	20	15	—	LOSS OF POWER	SH-E2T/20



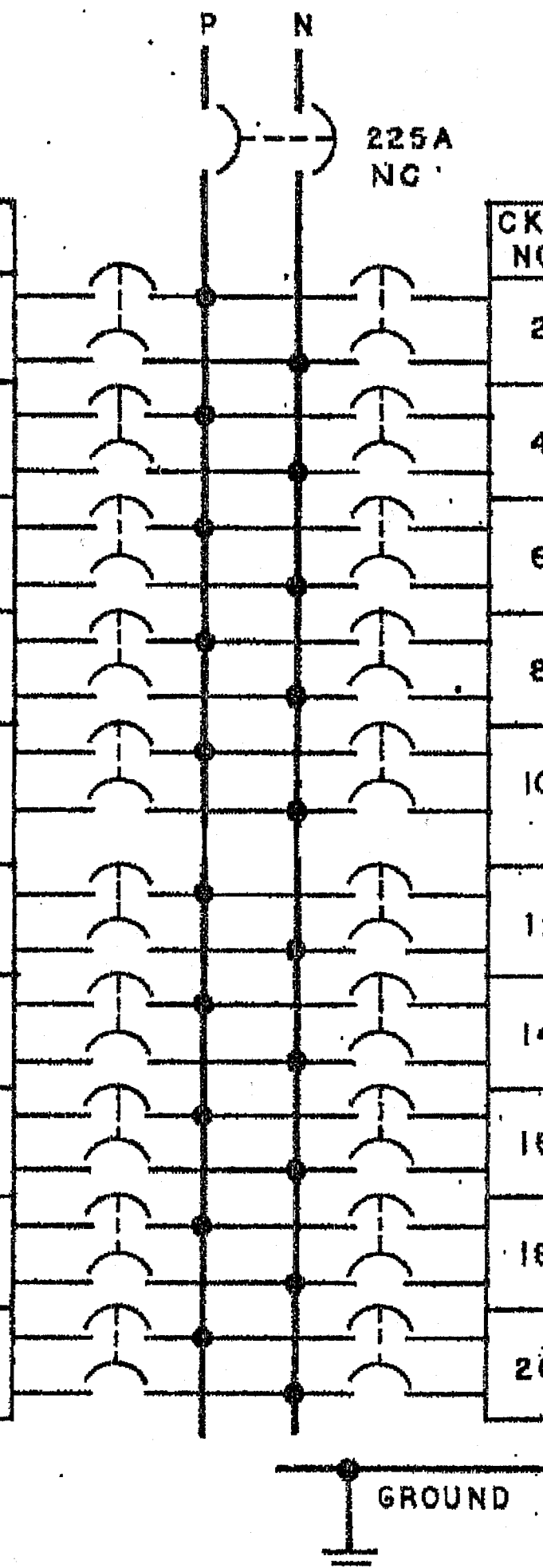
225A, 125V DC 2W
DISTRIBUTION PANEL
(E2T)
CONTROL BLDG EL 21 6" COL A-3

- NOTES
- 1 FOR THREE LINE DIAGRAM SEE SH 081b
 - 2 FOR ARR'GT SEE FP-33307
 - 3 ALL BREAKERS ARE THERMAL-MAGNETIC EXCEPT MAIN BREAKER WHICH IS NON AUTO
 - 4 SEE CALCULATION 9763-3-ED-00-14-F FOR CIRCUIT LOAD AMPS

1-NHY-310107 SH E2T_a

9	4/15/93	TPN	1/93	INCORP M MOD 92-517, CA-1	4	1-23-86	REV PER ECA 03/11/0810B	LW/	25%
8	11/28/88	HP	APL	INCORP DCR 88-125, CA-01	3	8-30-85	REV. PER ECA 99/103998B	EG	0%
7	9/25/87	NFT	APL	INCORPORATE AS-BUILT COMMENTS	2	5-31-84	REV. PER DCN 83/0079A	FL	0%
10	12/1/86	RKP	CCM	9763-M-310107 SH-E2Ua SUPERCEDES UE&C DWG.	11	6/8/86	INCORP DCR 00-020 DCN-00	JLM	0%
5	12-24-86	REV PER ECA 03/11/122E	DESCRIPTION	REV. DATE	DESCRIPTION	DWN. BY	CHKD. BY	1-NHY- 310107 SH.E2Ua	

REFERENCE DWG	DESCRIPTION	AMPS LOAD	BKR TRIP	CKT NO.
M-301107 SH-E2U/1a	SW SYSTEM SW PUMP PERMISSIVE TRAIN-B (RV-25)	—	20	1
M-310895 SH-E2U/3a	CC SYSTEM HX E17B TEMP. CTL. VLV'S. CC-TV-2271-1&2	—	20	3
	SPARE	—	20	5
M-310890 SH-E2U/7a	SI SYSTEM SI-FV-2475, 76, 77 & FV-2486	—	20	7
M-310895 SH-E2U/9a	CC SYS - PCCW LOOP-B LIQUID RADIATION MONT'R. SAMPLE VAVLES V-986 & V-1301	—	20	9
M-310882 SH. A201	REACTOR COOLANT PUMP RC-P-1B UNDERVOLTAGE & UNDERFREQUENCY CKT	—	20	11
M-310895 SH.E2U/3a	CC SYSTEM HIX E17B TEMP CTL. VLV'S CC-TV-2271-1&2	—	20	13
M-310841 SH.E2U/15a	MS SYSTEM ATMOS. RELIEF VLV. MS-PV-3001	—	20	15
	SPARE	—	20	17
	SPARE	—	20	19



CKT NO.	BKR TRIP	AMPS LOAD	DESCRIPTION	REFERENCE DWG
2	20	—	SW SYSTEM TRAIN-B SW VALVE (SW-V18)	M-301107 SH-E2U/2a
4	20	—	LOOP-B CNTMNT. STRUCT. RTN. & SUPPLY ISOL. VLV'S. CC-V256 & V176	M-310895 SH-E2U/4a
6	20	—	LOOP-A CNTMNT. STRUCT. RTN. & SUPPLY ISOL. VLV'S. CC-V122 & V168	M-310895 SH-E2U/6a
8	20	—	MS SYSTEM ATMOS. RELIEF VLV. MS-PV-3002	M-310841 SH-E2U/8a
10	20	—	MS SYSTEM ATMOS. RELIEF VLV. MS-PV-3004	M-310841 SH-E2U/10a
12	20	—	MS SYSTEM MAIN STM. ISO. VALVE MS-V-88	M-310841 SH-E2U/12a
14	20	—	MS SYSTEM MAIN STM ISO VLV MS-V-90	M-310841 SH-E2U/14a
16	20	—	MS SYSTEM ATMOS RELIEF VLV. MS-PV-3003	M-310841 SH.E2U/16a
18	20	—	SPARE	
20	15	—	LOSS OF POWER	SH-E2U/20

225A, 125V DC, 2W
DISTRIBUTION PANEL

(E2U)

CONTROL BLDG. EL. 21'-6" COL.

NOTES:

1. FOR THREE LINE DIAGRAM SEE SH. DA1B
2. FOR ARR'G'MT. SEE FP-33309
3. ALL BREAKERS ARE THERMAL-MAGNETIC EXCEPT MAIN BREAKER WHICH IS NON-AUTO.
4. SEE CALCULATION 9763-3-ED-00-14-F FOR CIRCUIT LOAD AMPS.

1-NHY- 310107 SH.E2Ua