

## LOGIC SYMBOLS

## LOGIC FUNCTION

## DESCRIPTION

OR

A DEVICE WHICH PRODUCES AN OUTPUT ONLY WHEN ONE INPUT (OR MORE) EXISTS.

NOT

A DEVICE WHICH PRODUCES AN OUTPUT ONLY WHEN THE INPUT DOES NOT EXIST.

AND

A DEVICE WHICH PRODUCES AN OUTPUT ONLY WHEN EVERY INPUT EXISTS.

COINCIDENCE  
(2 OUT OF 3  
SHOWN)

A DEVICE WHICH PRODUCES AN OUTPUT WHEN THE PRESCRIBED NUMBER OF INPUTS EXIST (EXAMPLE 2 OUT OF 3 SHOWN).

ADJUSTABLE  
TIME DELAY

A DEVICE WHICH PRODUCES AN OUTPUT FOLLOWING DEFINITE INTENTIONAL TIME DELAY AFTER RECEIVING AN INPUT.

OFF RETURN  
MEMORY

A DEVICE WHICH RETAINS THE CONDITION OF OUTPUT CORRESPONDING TO THE LAST ENERGIZED INPUT, EXCEPT UPON INTERRUPTION OF POWER IT RETURNS TO THE OFF CONDITION.

RETENTIVE  
MEMORY

A DEVICE WHICH RETAINS THE CONDITION OF OUTPUT CORRESPONDING TO THE LAST ENERGIZED INPUT (ALSO UPON INTERRUPTION OF POWER).

RETENTIVE  
MEMORY  
WITH ACTUATION  
BLOCK

A DEVICE HAVING RETENTIVE MEMORY AND ACTUATION SIGNAL BLOCK LOGIC FUNCTIONS AS INDICATED BY THE DIAGRAM BELOW.

ACTUATING SIGNAL

RESET  
(MOMENTARY)

OUTPUT SIGNAL

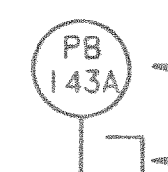
ANALOG  
GATE

A DEVICE WHICH PERMITS AN ANALOG SIGNAL TO PASS IN AN ISOLATED CIRCUIT IF THE CONTROL LOGIC INPUT EXISTS.

ADJUSTABLE  
TIME DELAY

A DEVICE WHICH REMOVES AN OUTPUT FOLLOWING A DEFINITE INTENTIONAL TIME DELAY AFTER REMOVAL OF THE INPUT.

## ADDITIONAL SYMBOLS



INSTRUMENT CHANNEL BISTABLE

OUTPUT INDICATOR

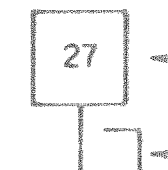
BISTABLE OUTPUT IS A LOGIC "1" WHEN THE MEASURED PARAMETER IS GREATER THAN THE SETPOINT VALUE.

BISTABLE OUTPUT IS A LOGIC "1" WHEN THE MEASURED PARAMETER IS LESS THAN THE SETPOINT VALUE.

BISTABLE OUTPUT IS A LOGIC "1" WHEN THE MEASURED PARAMETER DEVIATES FROM THE NORMAL VALUE BY MORE THAN THE SETPOINT AMOUNTS.

SAME AS ABOVE EXCEPT WITH AN AUTOMATICALLY ADJUSTED SETPOINT

SAME AS ABOVE EXCEPT WITH REQUIRED HYSTERESIS



NON-INSTRUMENT BISTABLE

OUTPUT INDICATOR (SAME AS EXPLAINED ABOVE)



INDICATOR LAMP (SUPPLIED BY UE&amp;C) (FP-5-70073, 30001, 51029)



COMPUTER INPUT (SUPPLIED BY UE&amp;C) (FP-5-70073, 30001, 51029)

LOGIC INFORMATION TRANSMISSION

ANALOG INFORMATION TRANSMISSION



ANALOG DISPLAY (SUPPLIED BY UE&amp;C)



ANALOG SUMMER

## GENERAL NOTES: (FOR ALL SHEETS)

- IN ALL LOGIC CIRCUITS, THE INDICATED ACTUATION OF A SYSTEM OR DEVICE OCCURS WHEN A LOGIC "1" SIGNAL IS PRESENT. EXCEPT WHERE INDICATED OTHERWISE, ALL BISTABLES ARE "DE-ENERGIZE TO ACTUATE" SUCH THAT A LOGIC 1 SIGNAL IS DEFINED TO BE PRESENT WHEN THE BISTABLE OUTPUT VOLTAGE IS OFF.
- EXCEPT WHERE INDICATED OTHERWISE, THE FOLLOWING IS TRUE: ALL LOGIC CIRCUITS ARE REDUNDANT THAT IS EVERY LOGIC CIRCUIT SHOWN HAS A DUPLICATE LOCATED IN A SEPARATE CABINET. ALL INSTRUMENT CHANNELS, BISTABLES, COMPUTER INPUTS AND INDICATOR LAMPS ARE NOT REDUNDANT. MANUAL CONTROLS DO NOT HAVE REDUNDANT ACTUATORS, BUT DO HAVE REDUNDANT CONTACTS WHERE LOGIC IS REDUNDANT. ALL INDICATOR LAMPS, AND COMPUTER INPUTS ARE CONNECTED TO BOTH TRAINS (WHERE LOGIC IS REDUNDANT) SO THAT A SIGNAL IN EITHER TRAIN WILL ACTUATE.
- WHENEVER A PROCESS SIGNAL IS USED FOR CONTROL AND IS DERIVED FROM A PROTECTION CHANNEL, ISOLATION MUST BE PROVIDED. COMPUTER INPUTS ARE NOT A REQUIREMENT OF THE REACTOR CONTROL AND PROTECTION OR ENGINEERED SAFEGUARDS SYSTEMS AND ARE SHOWN FOR INFORMATION ONLY.
- THIS SET OF DRAWINGS AND THE ASSOCIATED REACTOR CONTROL AND PROTECTION SYSTEM FUNCTIONAL REQUIREMENTS DOCUMENTS ILLUSTRATE THE FUNCTIONAL REQUIREMENTS OF THE REACTOR CONTROL AND PROTECTION SYSTEM, INCLUDING ENGINEERED SAFEGUARDS. THESE DRAWINGS SHOULD NOT BE USED WITHOUT THE ASSOCIATED FUNCTIONAL REQUIREMENTS DOCUMENT AND THEY DO NOT REPRESENT ACTUAL HARDWARE IMPLEMENTATION. FOR HARDWARE IMPLEMENTATION, REFER TO THE FOLLOWING REFERENCE DRAWINGS:  
LATER SOLID STATE PROTECTION SYSTEM SCHEMATIC  
7247091 SOLID STATE PROTECTION SYSTEM INTERCONNECTION — (FP-70073)  
5655049 NUCLEAR INSTRUMENTATION SOURCE RANGE — (FP-70147)  
5655050 NUCLEAR INSTRUMENTATION INTERMEDIATE RANGE — (FP-70148)  
5655051 NUCLEAR INSTRUMENTATION POWER RANGE — (FP-70149)  
5655052 NUCLEAR INSTRUMENTATION AUXILIARY CHANNELS — (FP-70150)  
8756051 PROCESS CONTROL SYSTEMS BLOCK DIAGRAM — (FP-70001)  
2710339 ELEMENTARY WIRING DIAGRAM — (FP-30001)  
1189E15 REACTOR TRIP SWITCHGEAR ELEMENTARY  
OTHERS CONTROL BOARD SOLID STATE PROTECTION SYSTEM WIRING.
- THIS SET OF DRAWINGS IS IDENTICAL FOR MULTIPLE UNITS EXCEPT FOR THE TAG NUMBERS; FOR UNIT 1 TAG NUMBERS ADD A "1" (EXAMPLE: 1-RC-PB-455E) FOR UNIT 2 TAG NUMBERS ADD A "2" (EXAMPLE: 2-RC-PB-455E)
- FOR GENERAL NOTES AND REFERENCE DWGS SEE. 9763-M-503100
- FOR SET POINTS REFERENCE SET POINT DATA LIST 9763-M-500376.

## DEVICE FUNCTION LETTERS AND NUMBERS

FB FLOW CHANNEL  
LB LEVEL CHANNEL  
NC NUCLEAR CHANNEL  
PB PRESSURE CHANNEL  
RC RADIATION CHANNEL  
SB SPEED CHANNEL  
TB TEMPERATURE CHANNEL  
ZB POSITION CHANNEL  
20 ELECTRIC OPERATED VALVE  
27 UNDERVOLTAGE RELAY  
33 POSITION SWITCH

52 AC CIRCUIT BREAKER

63 PRESSURE SWITCH  
71 LEVEL SWITCH  
80 FLOW SWITCH  
81 UNDERFREQUENCY RELAY

DWG. 509041 THRU C509056 ARE UE&C REDRAWS OF THE WESTINGHOUSE FUNCTIONAL DIAGRAMS. AS REFERENCED BELOW, UE&C HAS ADDED MAIN CONTROL BOARD (MCB) LOCATIONS, COMPUTER ID NUMBERS, MONITORING LIGHT NUMBERS, RECORDER NUMBERS, CONTROL SWITCH NUMBERS, REFERENCE DRAWINGS AND APPLICABLE UE&C INTERFERENCE.

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DWG. TRANSFERRED TO CUSTODY  
OF NHY AT REV. 11  
LTR 584 #A0122 DTD. 10/14/76

ISSUED FOR CONSTRUCTION

INDEX & SYMBOLES  
W FUNCTIONAL DIAGRAMSNew Hampshire  
Yankee  
Seabrook  
Station

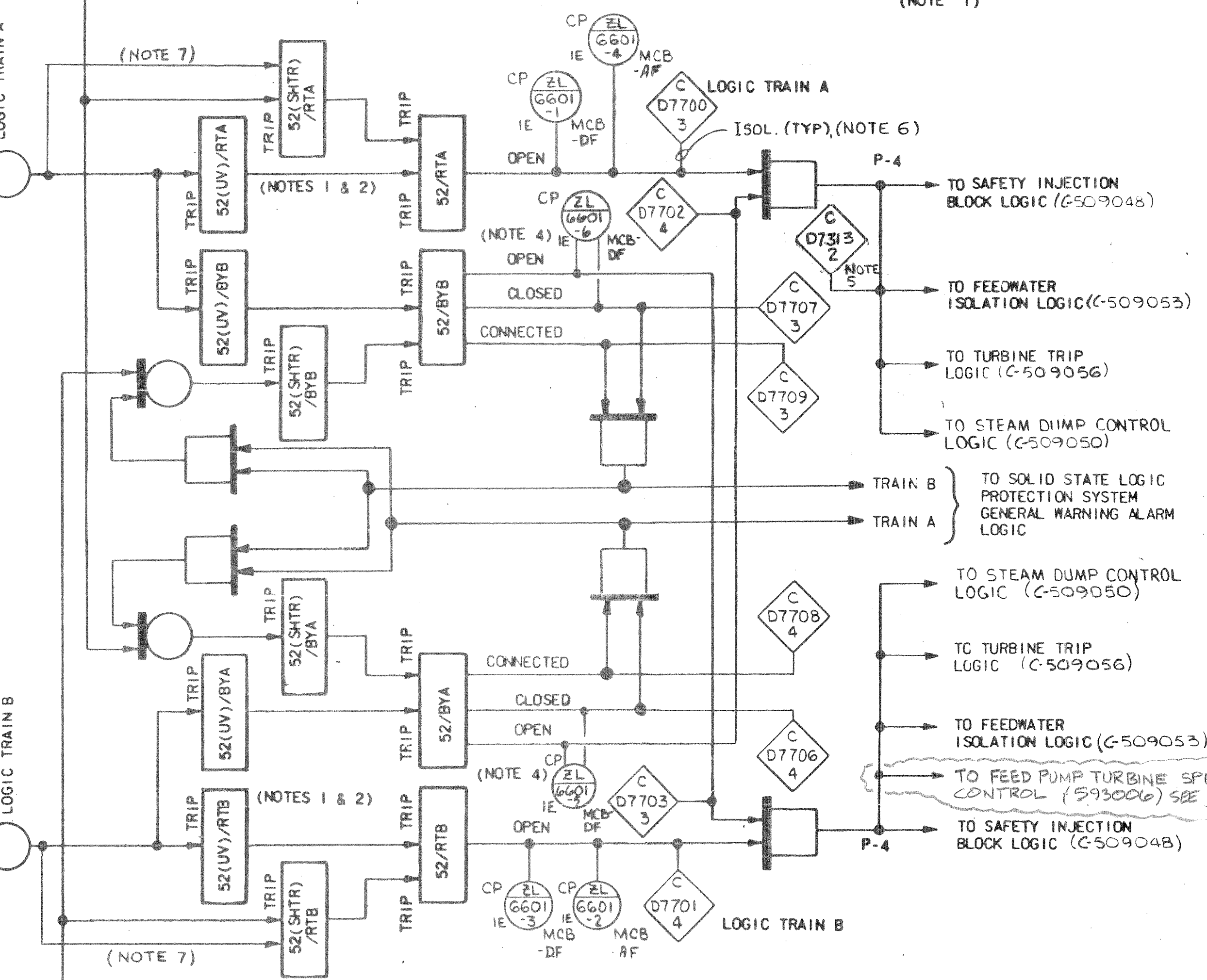
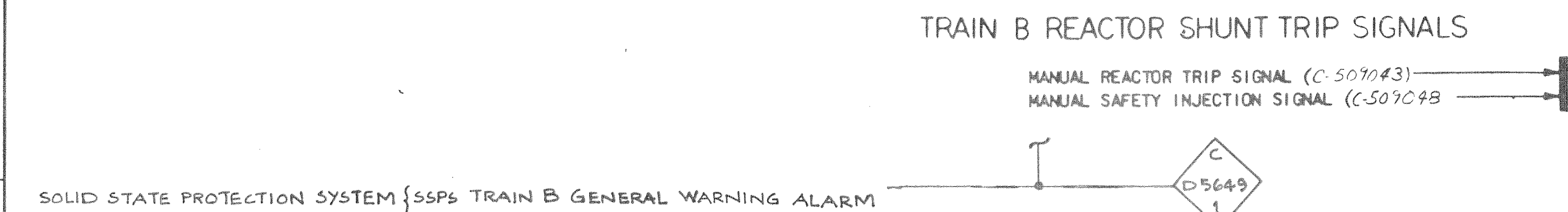
1-NHY-509041 REV 13

13	13/6/75	MRB	JNB	3400	INCORP DCR 94-039, CA-3	
12	10/30/76	CCM	RAK	NA	9763-C-509041 SUPERCEDES UE&C DWG.	
REV	DATE	DRWN	CHKD	CE	LDE	DESCRIPTION

11	2/1/76	ECA 93/113274C ECA 05/117361C ECA 93/117438A ECA 05/116391A ECA 05/113093G	PE	DWN	CHKD	RE	SDE	RAE	PEM
REV	DATE	DESCRIPTION	PE	DWN	CHKD	RE	SDE	RAE	PEM

9	1/28/76	ECA 05/104449A ECA 05/111763A ECA 93/100679D ECA 93/109947A SB-12809	RPN	FM	RAK	RPN	RPN	—	FM
8	5/22/75	REV'D C-509042, 43	RPN	RAK	RAK	RPN	RPN	—	RAK
7	3/24/75	REV'D C-509042	RPN	RAK	RAK	RPN	RPN	—	RAK
6	1/4/75	REV'D C-509048	RPN	RAK	RAK	RPN	RPN	—	RAK
5	7/2/74	REV'D C-509047	RPN	RAK	RAK	RPN	RPN	—	RAK
4	6/12/74	REV'D C-509047	RPN	RAK	RAK	RPN	RPN	—	RAK
3	1/13/74	REV'D C-509042	RPN	RAK	RAK	RPN	RPN	—	RAK
10	5/21/76	ECA 93/115386A	RPN	RAK	RAK	RPN	RPN	—	RAK
1	3-21-81	FIRST ISSUE	RPN	RAK	RAK	RPN	RPN	—	RAK
REV	DATE	DESCRIPTION	PE	DWN	CHKD	RE	SDE	RAE	PEM





- DWG. TRANSFERRED TO CUSTODY  
OF NHY AT REV. 7  
LTS 801 240722 DTD. 10/14/86  
NUCLEAR SAFETY RELATED  
**ISSUED-FOR-CONSTRUCTION**

7	5/12/86	ECA 93/113274C ECA 05/113261C	GT	ARW	ARW	ARW	-	ARW	
6	3-7-86	ECA 93/113082A	ARW	ARW	ARW	ARW	-	ARW	
5	4/27/85	REVISED PER W F.P. 703.14	ARW	HK	ARW	ARW	-	ARW	
4	4/22/85	DCN 650253A	ARW	ARW	ARW	ARW	-	ARW	
3	7/27/84	REV. INCOM. WITH M-31308	ARW	ARW	ARW	ARW	-	ARW	
2	5/29/84	REV. PER ENG. ASSURANCE AUDIT REPORT NHE-5	ARW	ARW	ARW	ARW	-	ARW	
1	5/29/83	FIRST ISSUE	5000 ARW	ARW	ARW	ARW	-	ARW	
REV. NO.	DATE	DESCRIPTION	FE	OWN. BY	CKD. BY	RES. ENG.	USE	QAE	PEM

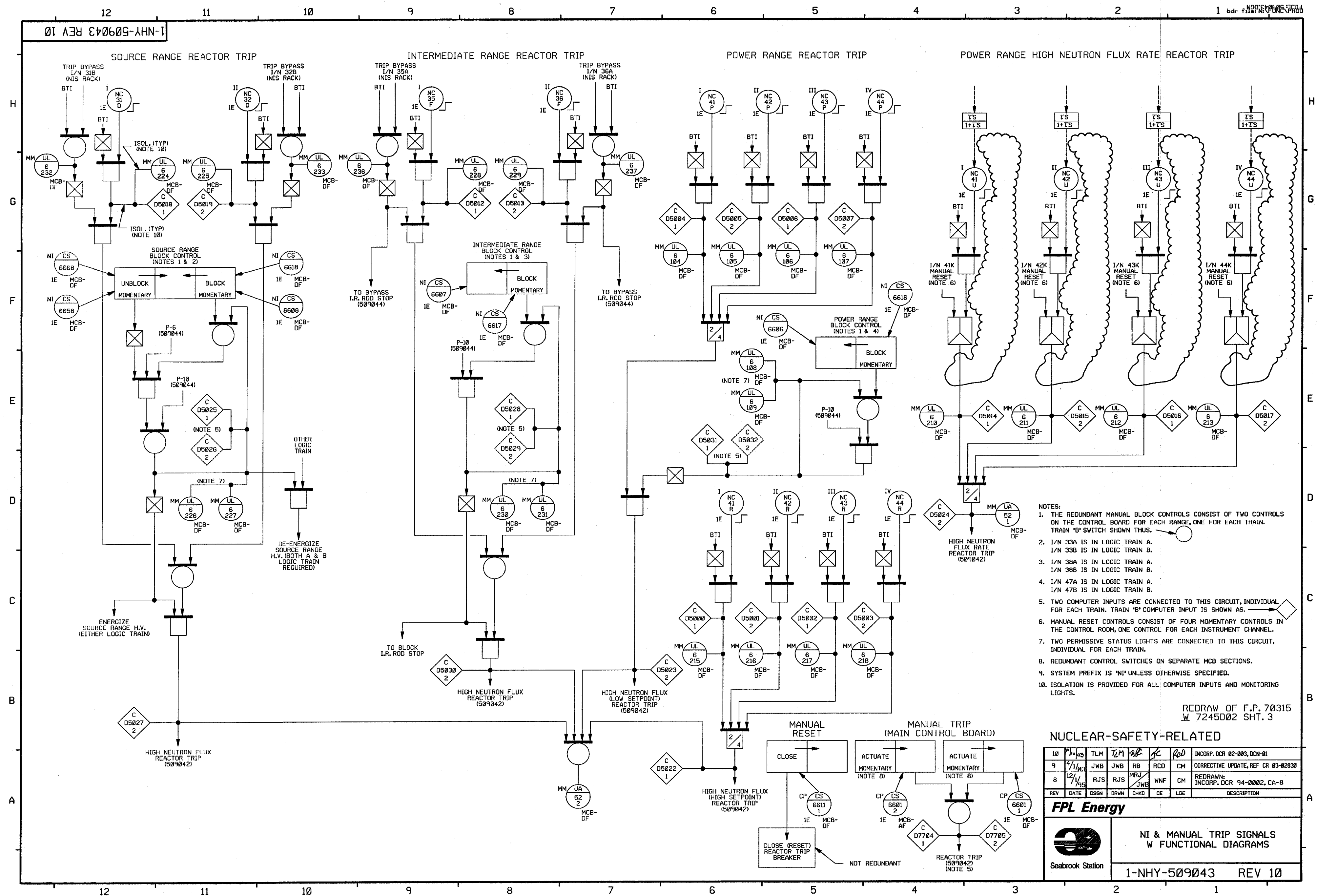
REACTOR TRIP SIGNALS  
W FUNCTIONAL DIAGRAMS

New Hampshire  
**Yankee**

Seabrook  
Station

1-NHY-509042

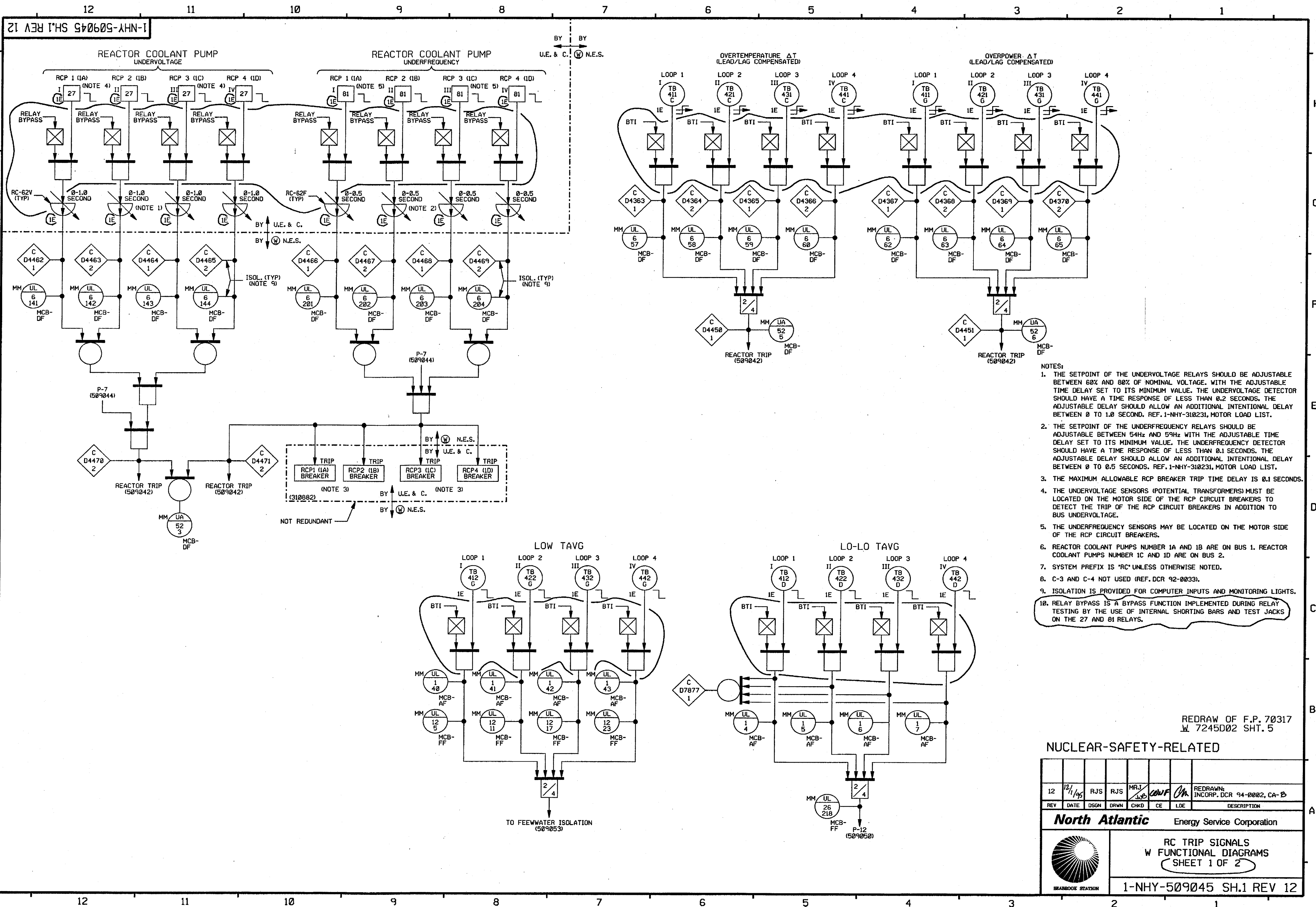
REV  
10











REDRAW OF F.P. 70317  
W. 7245D02 SHT. 5

# NUCLEAR-SAFETY-RELATED

12	12/1/95	RJS	RJS	MRJ	LOW	Ch	REDRAWN INCORP. DCR 94-0002, CA-B
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION

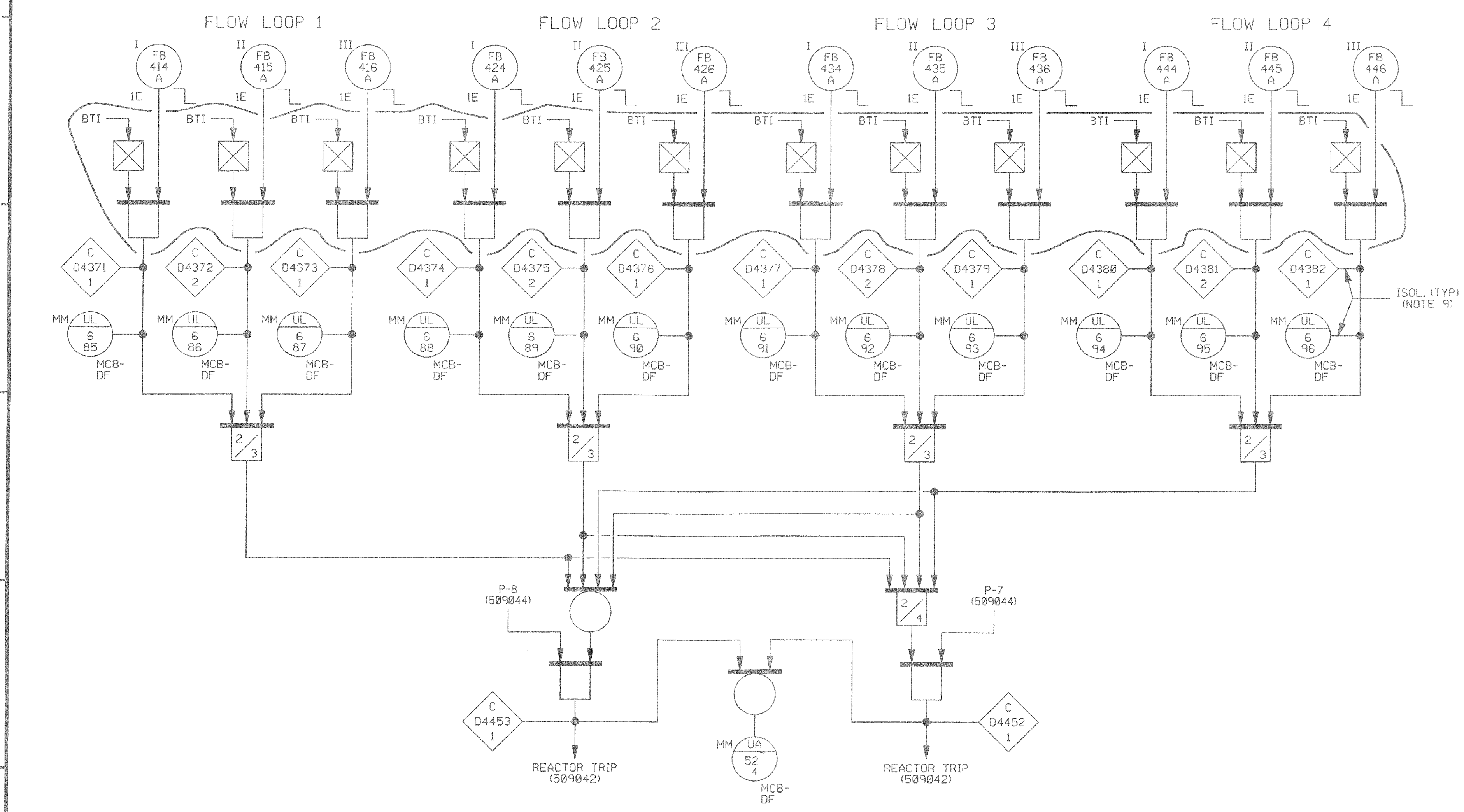
**North Atlantic** Energy Service Corporation

**RC TRIP SIGNALS  
W FUNCTIONAL DIAGRAMS  
SHEET 1 OF 2**

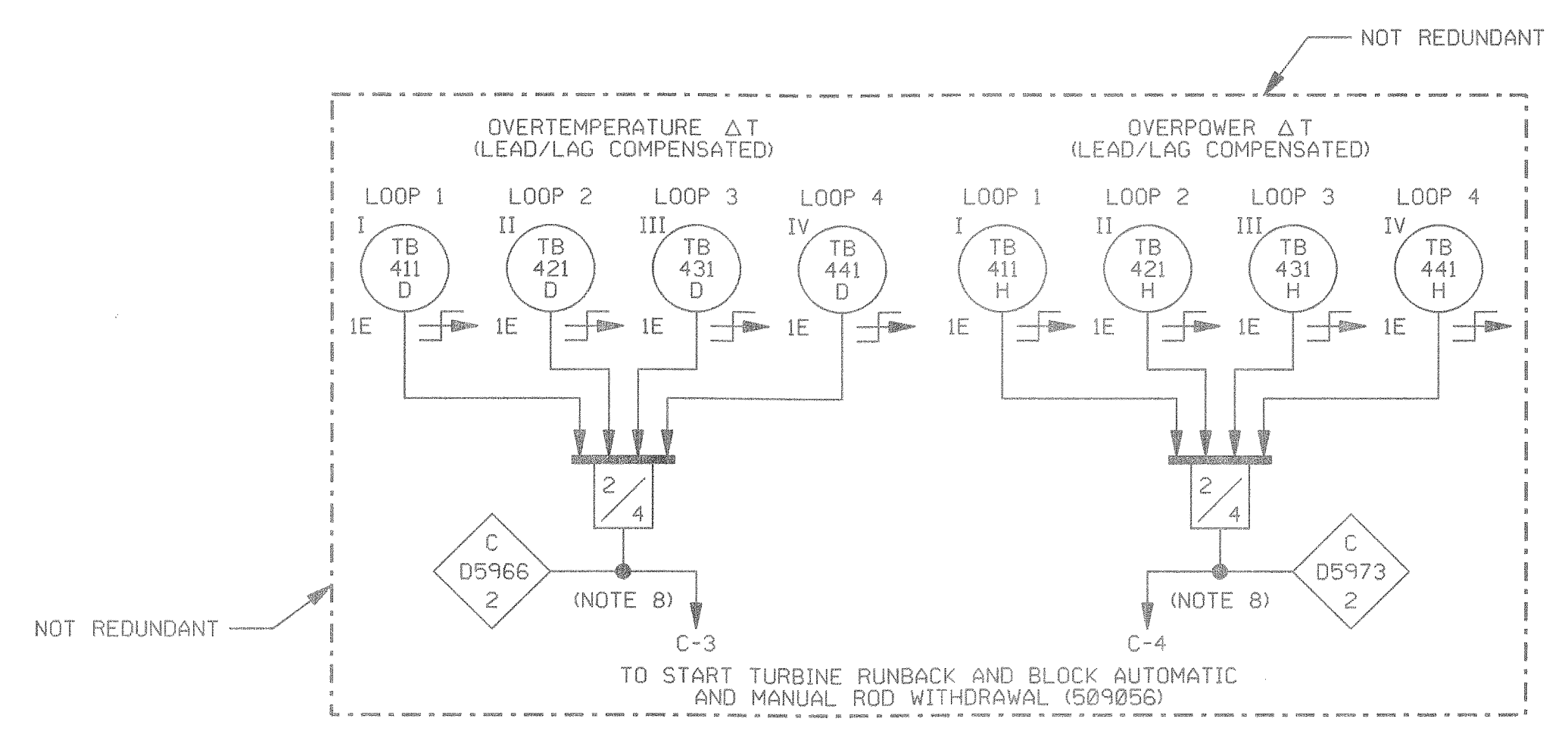
1-NHY-509045 SH.1 REV 12



0 13R 2'HS 509045-AHN-1



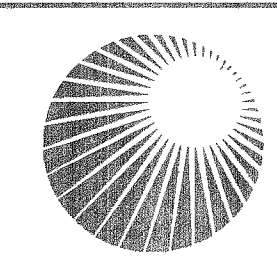
NOTES:  
1. FOR NOTES AND REFERENCES SEE 1-NHY-509045 SHEET 1 OF 2.

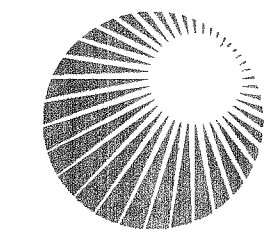


REDRAW OF F.P. 70317  
W 7245002 SH.5

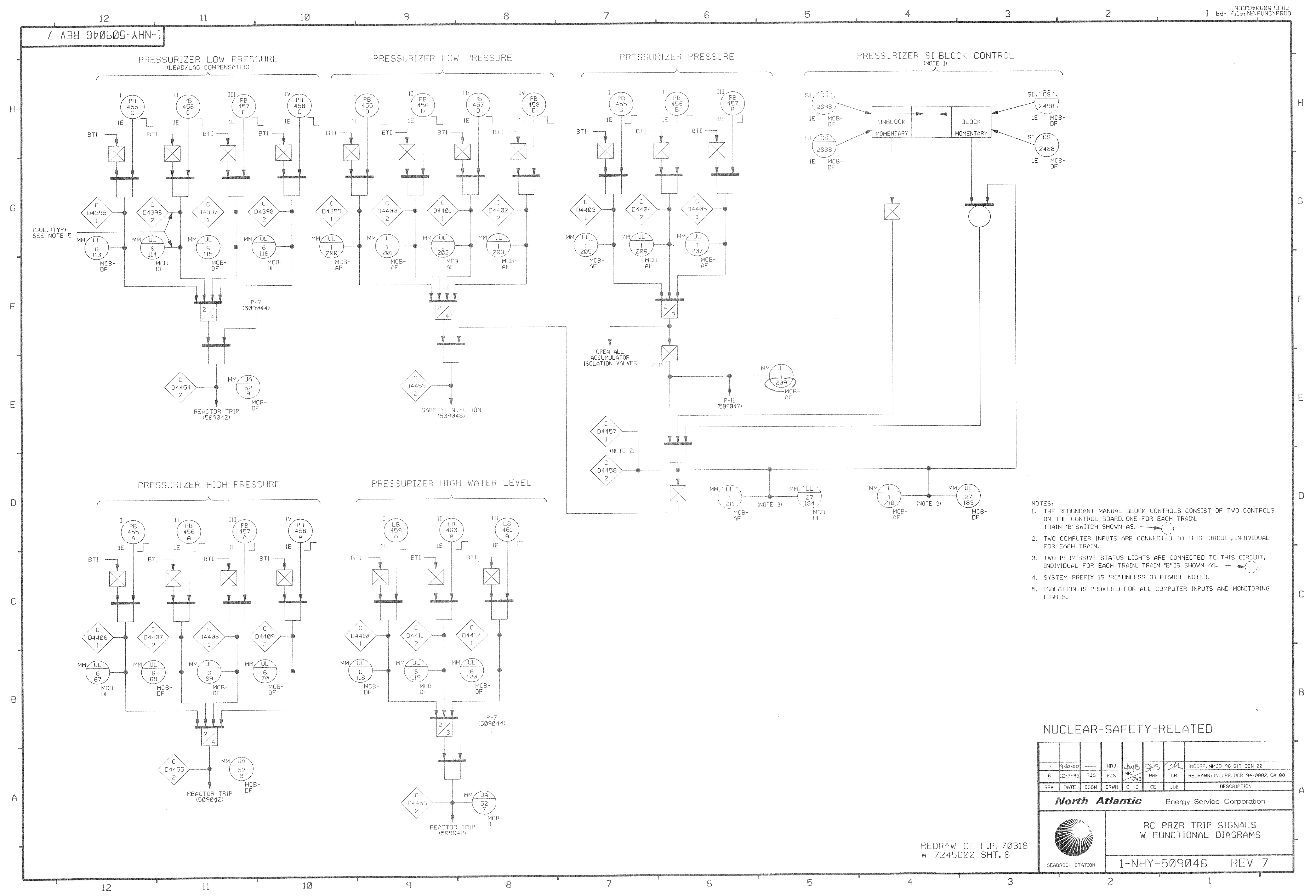
NUCLEAR-SAFETY-RELATED

REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
0	12/1/95	RJS	RJS	MRS SWP	UNF	Ch	REDRAWN: INCORP. DCR 94-0002, CA-8

**North Atlantic**  
Energy Service Corporation

**RC TRIP SIGNALS  
W FUNCTIONAL DIAGRAMS  
(SHEET 2 OF 2)**  
1-NHY-509045 SH.2 REV 0



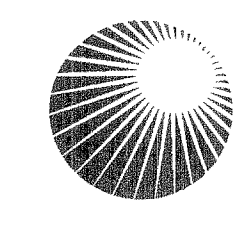


- NOTES:
1. THE REDUNDANT MANUAL BLOCK CONTROLS CONSIST OF TWO CONTROLS ON THE CONTROL BOARD, ONE FOR EACH TRAIN. TRAIN 'B' SWITCH SHOWN AS.
  2. TWO COMPUTER INPUTS ARE CONNECTED TO THIS CIRCUIT, INDIVIDUAL FOR EACH TRAIN.
  3. TWO PERMISSIVE STATUS LIGHTS ARE CONNECTED TO THIS CIRCUIT, INDIVIDUAL FOR EACH TRAIN. TRAIN 'B' IS SHOWN AS.
  4. SYSTEM PREFIX IS 'RC' UNLESS OTHERWISE NOTED.
  5. ISOLATION IS PROVIDED FOR ALL COMPUTER INPUTS AND MONITORING LIGHTS.

NUCLEAR-SAFETY-RELATED

7	9-20-00	—	MRJ	JWB	SPS	24	INCORP. MM00 96-619 DCN-00
6	12-7-95	RJS	RJS	MRJ	WNF	CM	REDRAWN: INCORP. DCR 94-0002, CA-08
				JWB			
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION

North Atlantic Energy Service Corporation

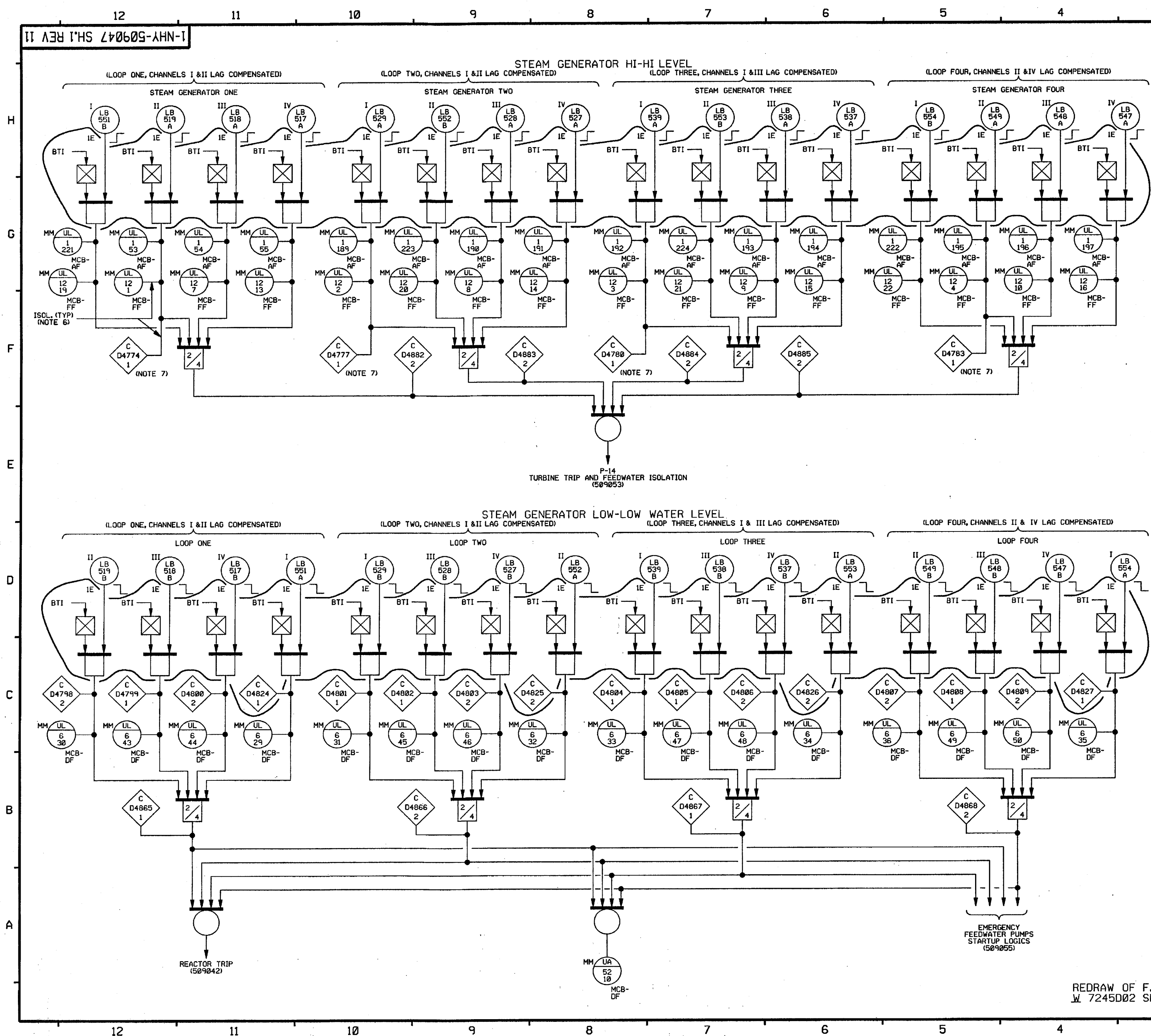


RC PRZR TRIP SIGNALS  
W FUNCTIONAL DIAGRAMS

1-NHY-509046 REV 7

REDRAW OF F.P. 70318  
W 7245002 SHT. 6





- NOTES:
1. THE REDUNDANT MANUAL BLOCK CONTROLS CONSIST OF TWO CONTROLS ON THE CONTROL BOARD, ONE FOR EACH TRAIN. TRAIN "B" IS SHOWN AS.
  2. TWO COMPUTER INPUTS ARE CONNECTED TO THIS CIRCUIT, INDIVIDUAL FOR EACH TRAIN. TRAIN "B" COMPUTER INPUT IS SHOWN AS.
  3. TWO PERMISSIVE STATUS LIGHTS ARE CONNECTED TO THIS CIRCUIT, INDIVIDUAL FOR EACH TRAIN. TRAIN "B" IS SHOWN AS.
  4. SYSTEM PREFIX IS "FW" UNLESS OTHERWISE NOTED.
  5. STEAM GEN. LO-LO WATER LEVEL ALARMS NUMBER WERE ADDED PER DCN-650054A.
  6. ISOLATION IS PROVIDED FOR ALL COMPUTER INPUTS AND MONITORING LIGHTS.
  7. COMPUTER INPUTS D4774, D4777, D4780, D4783, D4811, D4821, D4822 & D4823 ARE ACTUATED WHEN ANY OF THE REDUNDANT BISTABLES TRIP.

NUCLEAR-SAFETY-RELATED

11	DATE	OSGN	DRWN	CHKD	CE	LDE	DESCRIPTION
11	11/11/77	RJS	RJS	MRI	WVF	Ch	REDRAWN: INCORP. DCR 94-0002, CA-3 EDITORIAL COMMENTS

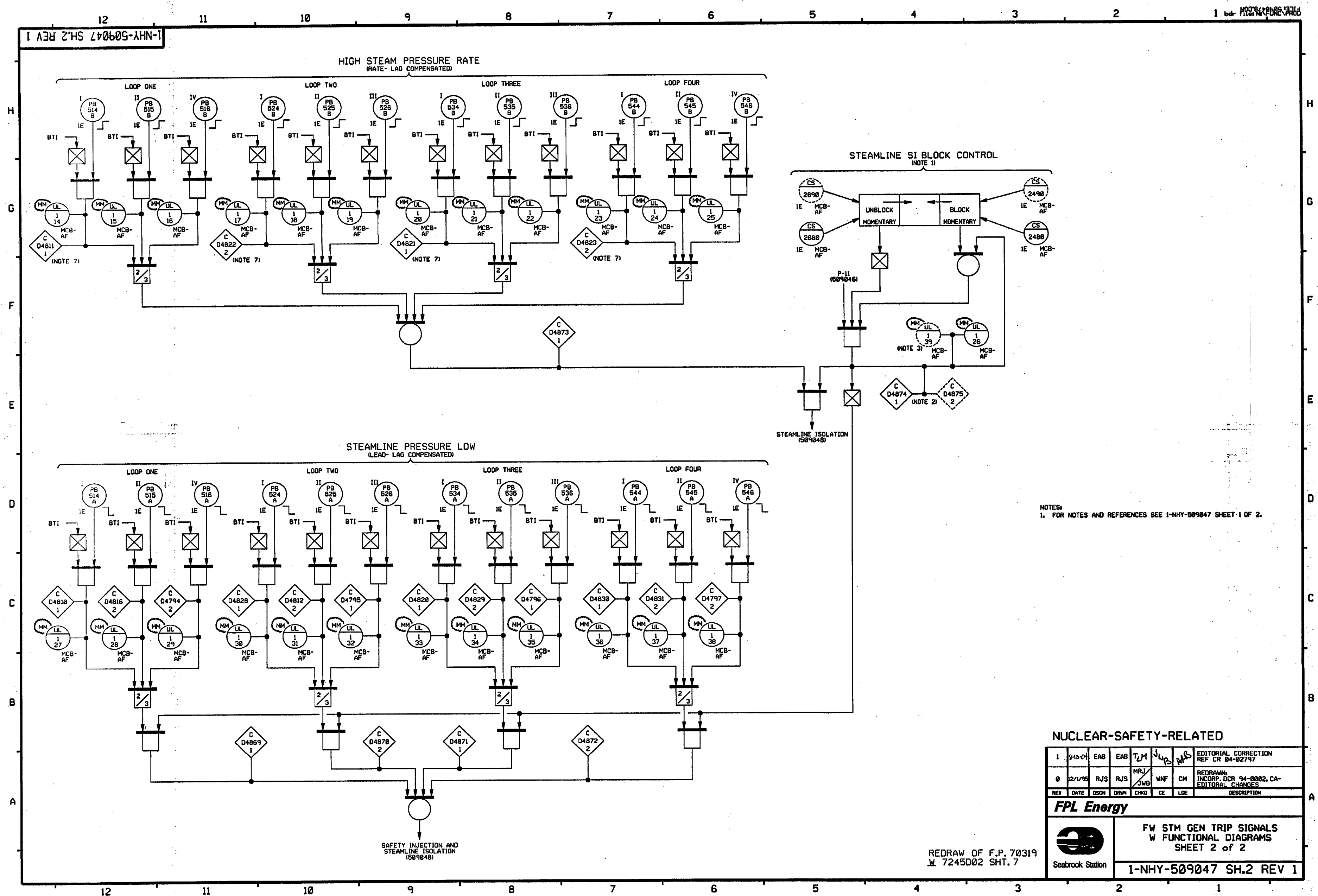
**North Atlantic** Energy Service Corporation

FW STM GEN TRIP SIGNALS  
W FUNCTIONAL DIAGRAMS  
(SHEET 1 of 2)

1-NHY-509047 SH.1 REV 11

REDRAW OF F.P. 70319  
W 7245D02 SH.7





NOTES:  
1. FOR NOTES AND REFERENCES SEE 1-NHY-509847 SHEET 1 OF 2.

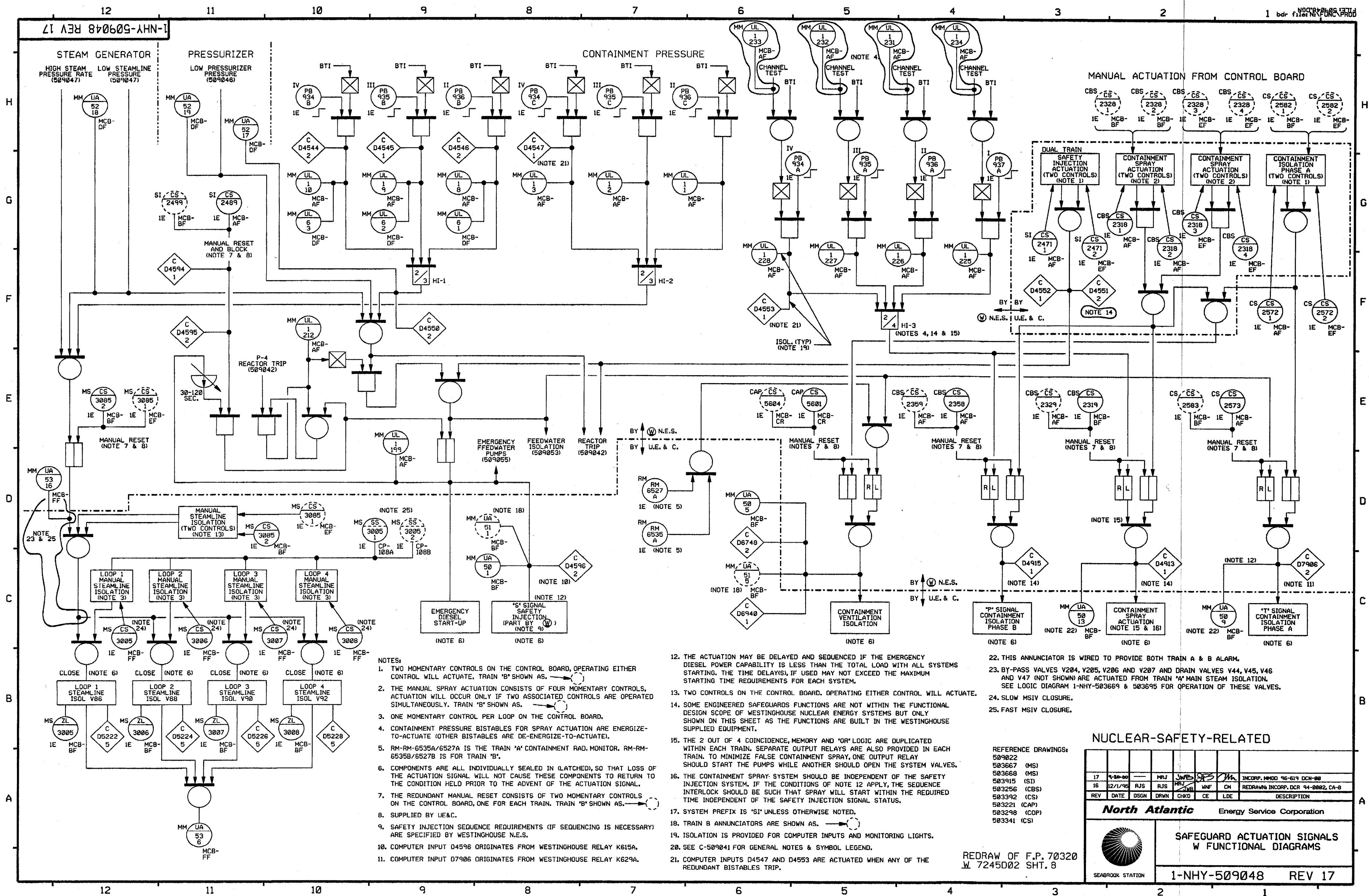
NUCLEAR-SAFETY-RELATED

1	4-10-74	EAB	EAB	TLM	JWB	MRS	EDITORIAL CORRECTION REF CR 04-02797
0	12/1/75	RJS	RJS	MRI	WNF	CM	REDRAWN: INCPOR. DCR 94-0002, CA- EDITORIAL CHANGES
REV	DATE	DSGN	DRWN	CHKD	CE	LDE	DESCRIPTION

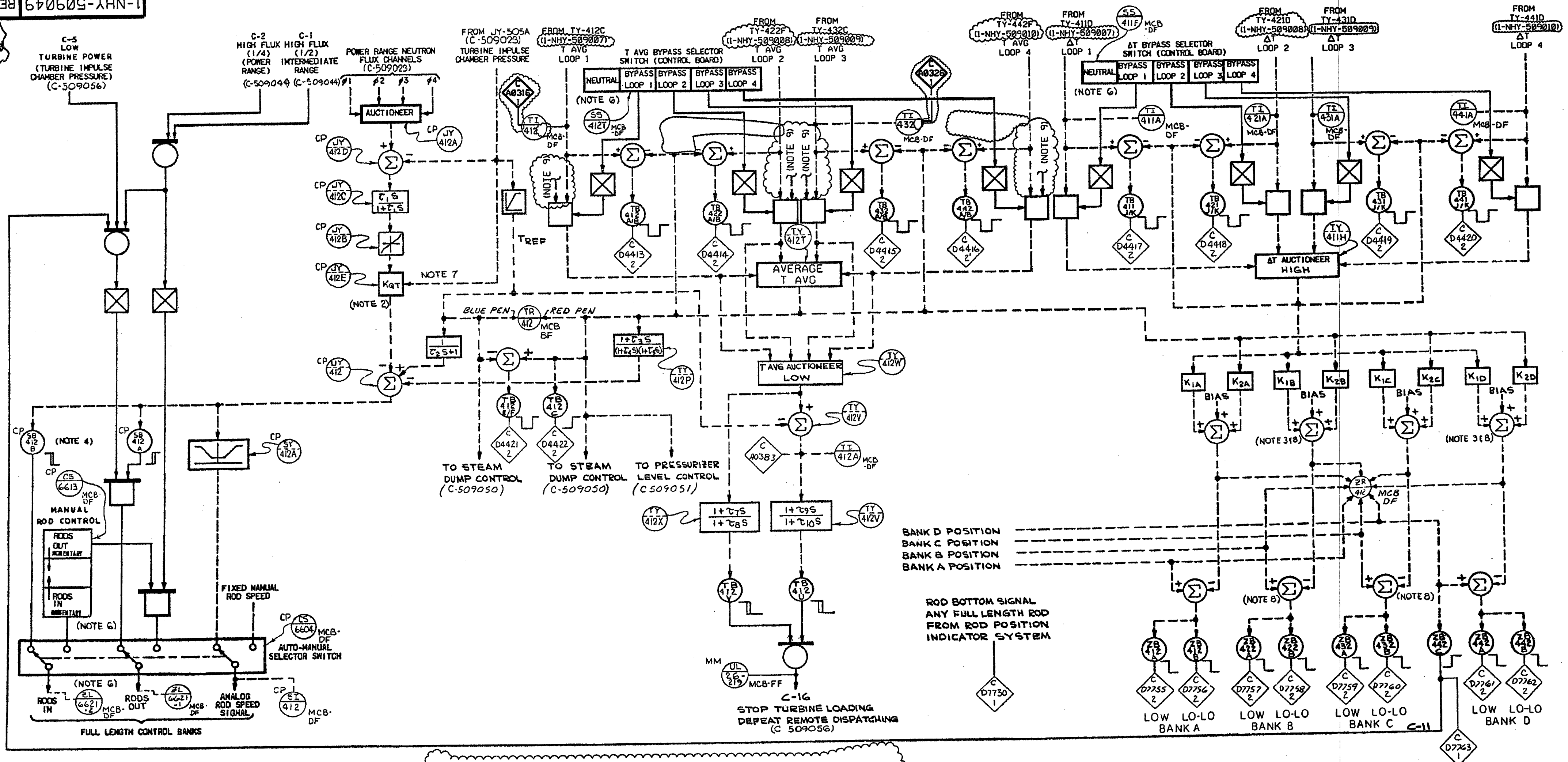
**FPL Energy**

FW STM GEN TRIP SIGNALS  
W FUNCTIONAL DIAGRAMS  
SHEET 2 of 2

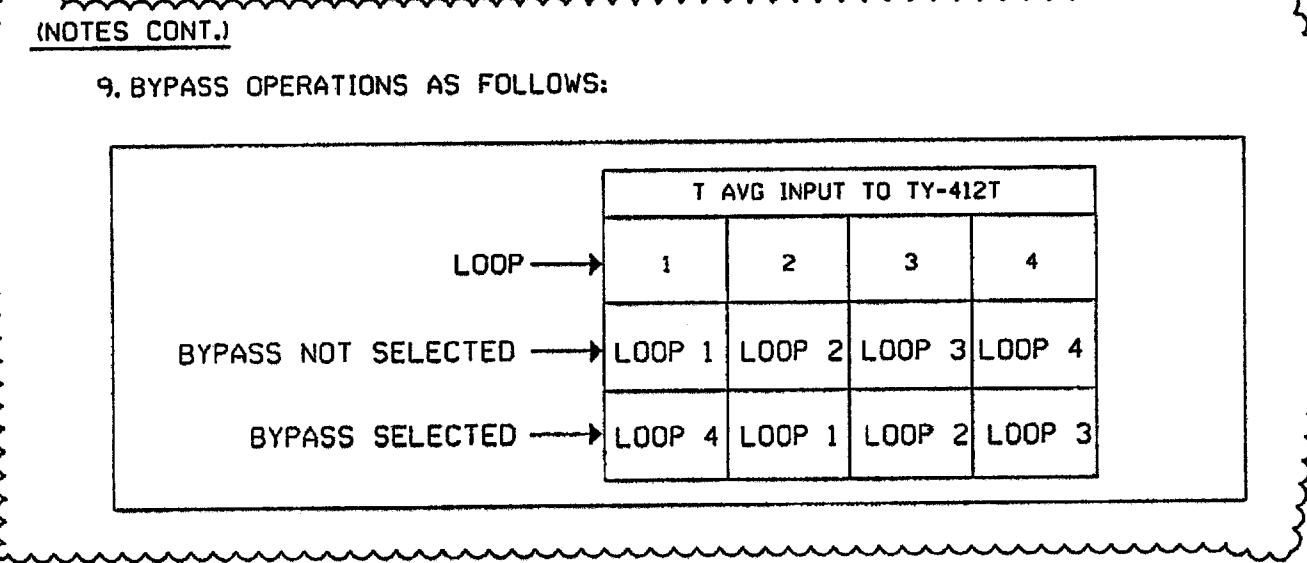
1-NHY-509047 SH.2 REV 1







- NOTES**
1. ALL CIRCUITS ON THIS SHEET ARE NOT REDUNDANT.
  2. KGT MAY VARY INVERSELY PROPORTIONAL TO LOAD WITH A FIXED LIMIT OR MAY VARY IN TWO DISCRETE STEPS WITH BREAK POINTS AT 30 TO 50 % AND GO TO 80% TURBINE LOAD.
  3. THE SUMMER OUTPUTS HAVE FIXED MANUALLY ADJUSTABLE UPPER LIMITS.
  4. THE ROD DIRECTION BISTABLES NO. SB-412A AND SB-412B ARE "ENERGIZED TO ACTUATE".
  5. SYSTEM PREFIX IS "RC" UNLESS OTHERWISE NOTED.
  6. THESE CONTROLS ON THE CONTROL BOARD ARE SUPPLIED BY U & C.
  7. REFER TO C-509023 FOR ACTUAL HARDWARE IMPLEMENTATION
  8. REFER TO C-509030 FOR ACTUAL HARDWARE IMPLEMENTATION



**REFERENCE DWGS**  
M-506628 F.P. 70001 SH23,32,30,31  
C-509023  
C-509032  
C-509030  
C-509031

**ISSUED-FOR-CONSTRUCTION**

8	10/10/85	TPG	MRB	ACD	RS	CR 05-01761-01 EDITORIAL CHANGES
7	4/22/85	MRB	TLH	RCD	CH	INCRP DCR 04-001, DCN-00
6	11/6/92	JWB	WDS	RWM	BEB	INCRP DCR 92-033, CA-01
REV	DATE	DRWN	CHKD	CE	LOE	DESCRIPTION

**FPL Energy** Seabrook Station

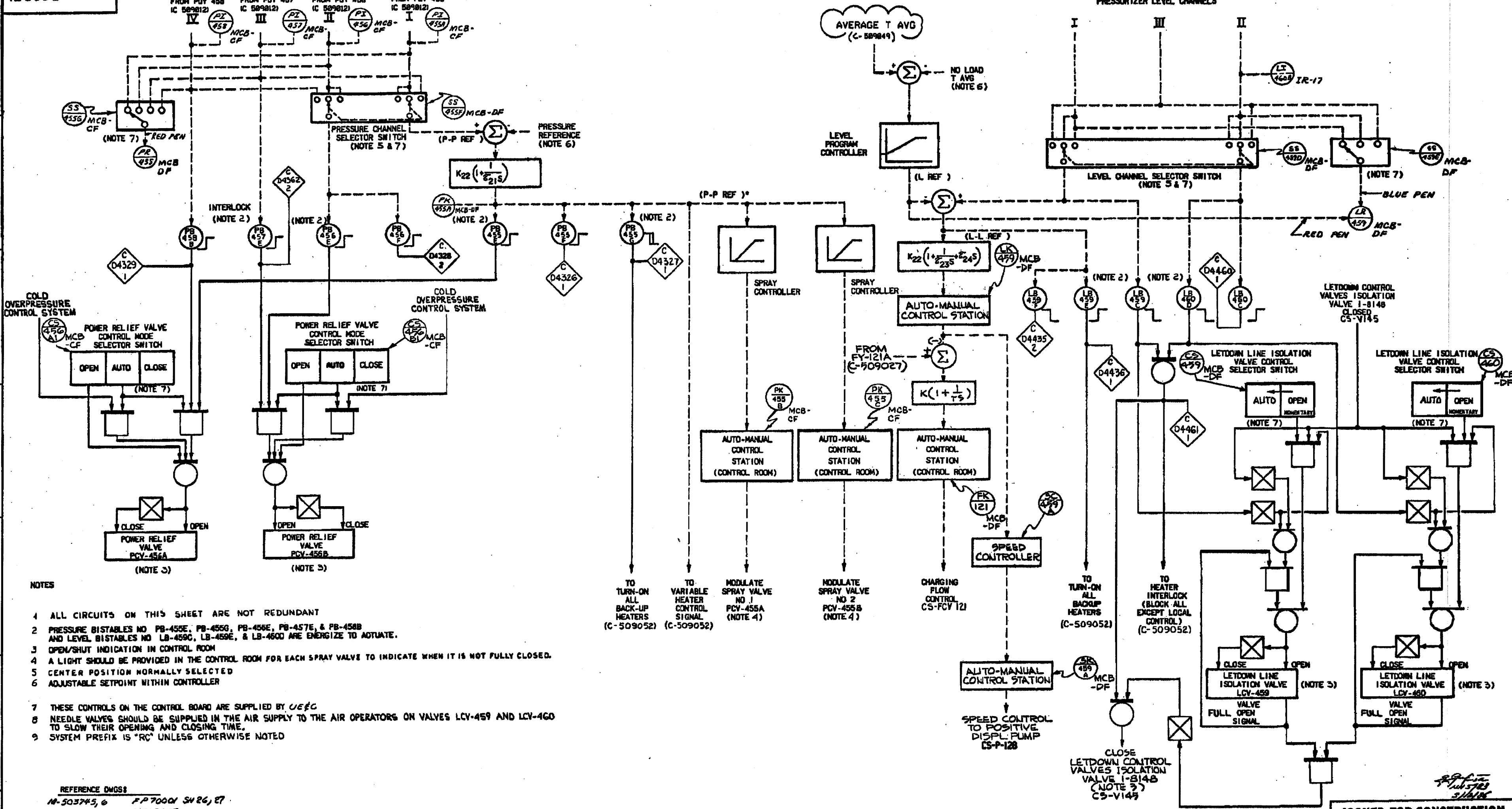
**ROD CONTROL & BLOCKS**  
**W FUNCTIONAL DIAGRAMS**

1-NHY-509049 REV 07





ISO605-AHN-1



- NOTES
- ALL CIRCUITS ON THIS SHEET ARE NOT REDUNDANT
  - PRESSURE BISTABLES NO PB-455E, PB-455G, PB-455E, & PB-455B AND LEVEL BISTABLES NO LB-459G, LB-459E, & LB-460D ARE ENERGIZE TO ACTUATE.
  - OPEN/SHUT INDICATION IN CONTROL ROOM
  - A LIGHT SHOULD BE PROVIDED IN THE CONTROL ROOM FOR EACH SPRAY VALVE TO INDICATE WHEN IT IS NOT FULLY CLOSED.
  - CENTER POSITION NORMALLY SELECTED
  - ADJUSTABLE SETPOINT WITHIN CONTROLLER
  - THESE CONTROLS ON THE CONTROL BOARD ARE SUPPLIED BY UELC
  - NEEDLE VALVES SHOULD BE SUPPLIED IN THE AIR SUPPLY TO THE AIR OPERATORS ON VALVES LCV-459 AND LCV-460
  - SYSTEM PREFIX IS "RC" UNLESS OTHERWISE NOTED

REFERENCE DWGS

M-503745, 6 F.P.7000 SH 26, 27  
M-503752 C-509027  
M-503373 (CS) C-509026  
M-503367 (CS)  
M-506276 (CS)  
M-506637  
M-506638  
M-506639  
M-506641

REDRAW OF FP70323  
W 7245D02 SH 11

DWG TRANSFERRED TO CUSTODY  
OF NHY AT REV 3  
LTR 580 10/22 DTD 10/14/06

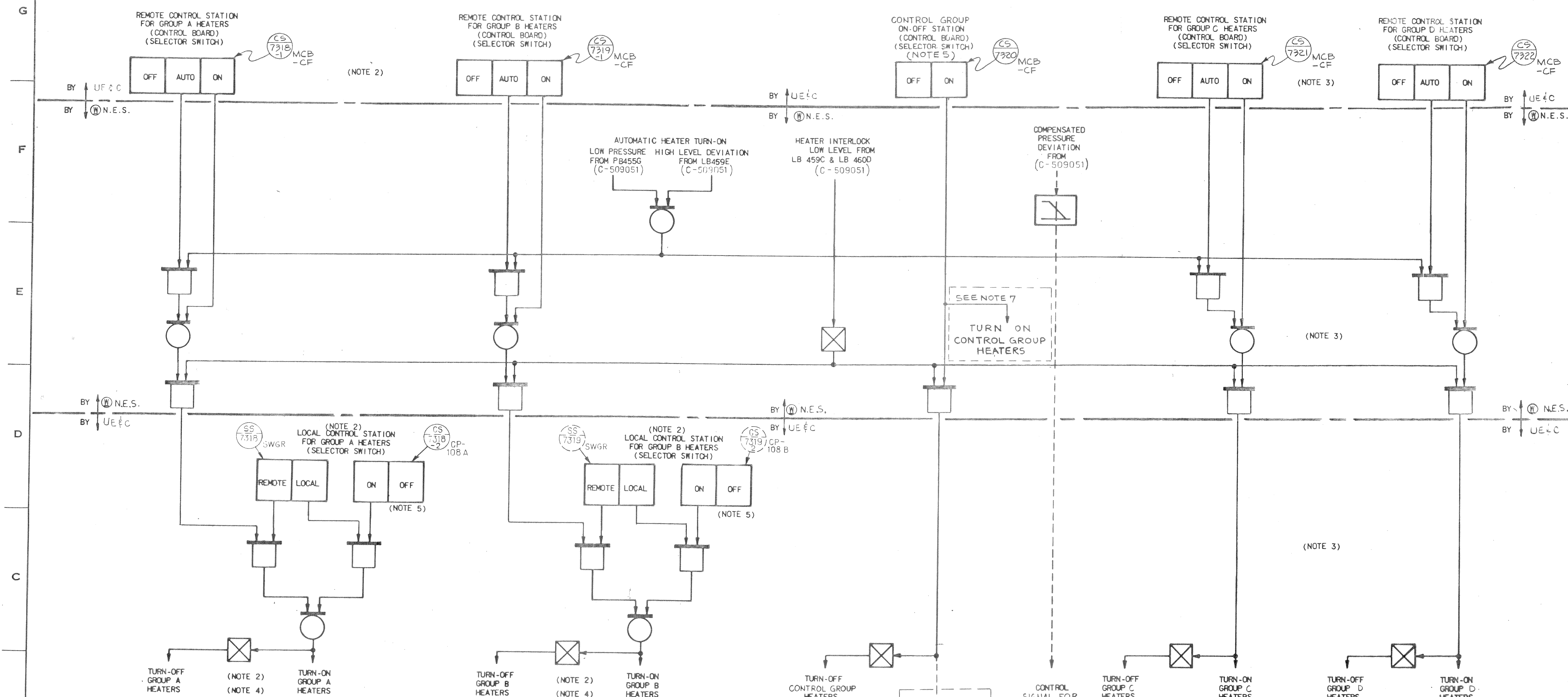
REV	DATE	DRWN	CHKD	CE	LDE	DESCRIPTION
7	04/23/05	MRB	JM	RCO	CM	INCORP DCR 04-001, DCN-007
6	1/31/03	SAC	JVB	ARB	CM	CORRECTIVE UPDATE REF CR 02-09613

**ISSUED-FOR-CONSTRUCTION**

RC PRZR PRESS & LVL CTL  
W FUNCTIONAL DIAGRAM

**FPL Energy**  
Seabrook Station

1 - NHY - 509051



## NOTES:

- ALL CIRCUITS ON THIS SHEET ARE NOT REDUNDANT.
- GROUP A AND GROUP B HEATERS MUST BE ON SEPARATE VITAL POWER SUPPLIES WITH THE LOCAL CONTROL SEPARATED SO THAT ANY SINGLE FAILURE DOES NOT DEFEAT BOTH. SHOW TRAIN 'B' SWITCH AS SHOWN.
- THE NUMBER OF BACK-UP HEATER GROUPS IS TYPICAL. THE ACTUAL NUMBER OF GROUPS MAY DIFFER DEPENDING ON ELECTRICAL LOADING REQUIREMENTS.
- BACK-UP HEATER STATUS INDICATION IN CONTROL ROOM.
- PRECAUTIONS SHOULD BE TAKEN TO AVOID MANUAL HEATER OPERATION, WHICH WOULD CAUSE HEATER DAMAGE, IF THE WATER LEVEL UNCOVERS THE HEATERS. PRECAUTIONS SHOULD ALSO BE TAKEN TO VERIFY THAT PRZR LOW LEVEL ALARMS HAVE CLEARED BEFORE RECLOSING THE CONTROL GROUP BKR AFTER A LOW BKR TRIP.
- SYSTEM PREFIX IS 'RC' UNLESS OTHERWISE NOTED.
- WESTINGHOUSE DID NOT PROVIDE PRZR LOW LEVEL INTERLOCK CONTACTS FOR USE IN THE CONTROL GROUP BKR CLOSING CIRCUIT. ALTHOUGH THIS INTERLOCK IS SHOWN FUNCTIONALLY ON W DWG 7245D02, SH.12 SIMILAR TO THE BKR CLOSING CKTS FOR THE BACKUP GROUPS. 'PRZR LOW LEVEL' WILL TRIP OPEN THE CONTROL BKR AS SHOWN AND ONCE TRIPPED THE BKR CAN BE RECLOSING ONLY BY SWITCHING CS-7320 TO 'OFF' AND THEN TO 'ON'.

## REFERENCE DRAWINGS:

M-503749  
M-503750  
M-503751

REDRAW OF F.P. 70324  
W 7245D02 SH.12

REV	DATE	DRWN	CHKD	CE	LDE	DESCRIPTION
5	10/1/80	SSJ	JM	RPL	NA	9763-C-509052 SUPERCEDES UE&C DWG.

REV	DATE	DESCRIPTION	PE	DWN	BY	CKD	BY	RES	ENG	SDE	QAE	PEM
4	1-28-80	ECA99109947A	RPN	FAI	W	ARV	W	W	W	W	W	W
3	7/1/84	EDITORIAL CHANGE	RPN	FAI	W	ARV	W	W	W	W	W	W
2	5/20/83	REV. PER ENG ASSURANCE AUDIT REPORT NHE-5	RPN	GWR	W	ARV	W	W	W	W	W	W
1	8/24/81	FIRST ISSUE	RPN	W	W	ARV	W	W	W	W	W	W

DWG. TRANSFERRED TO CUSTODY  
OF NHY AT REV. 4  
LTR. SBU #A0722 DTD. 10/17/86

ISSUED-FOR-CONSTRUCTION

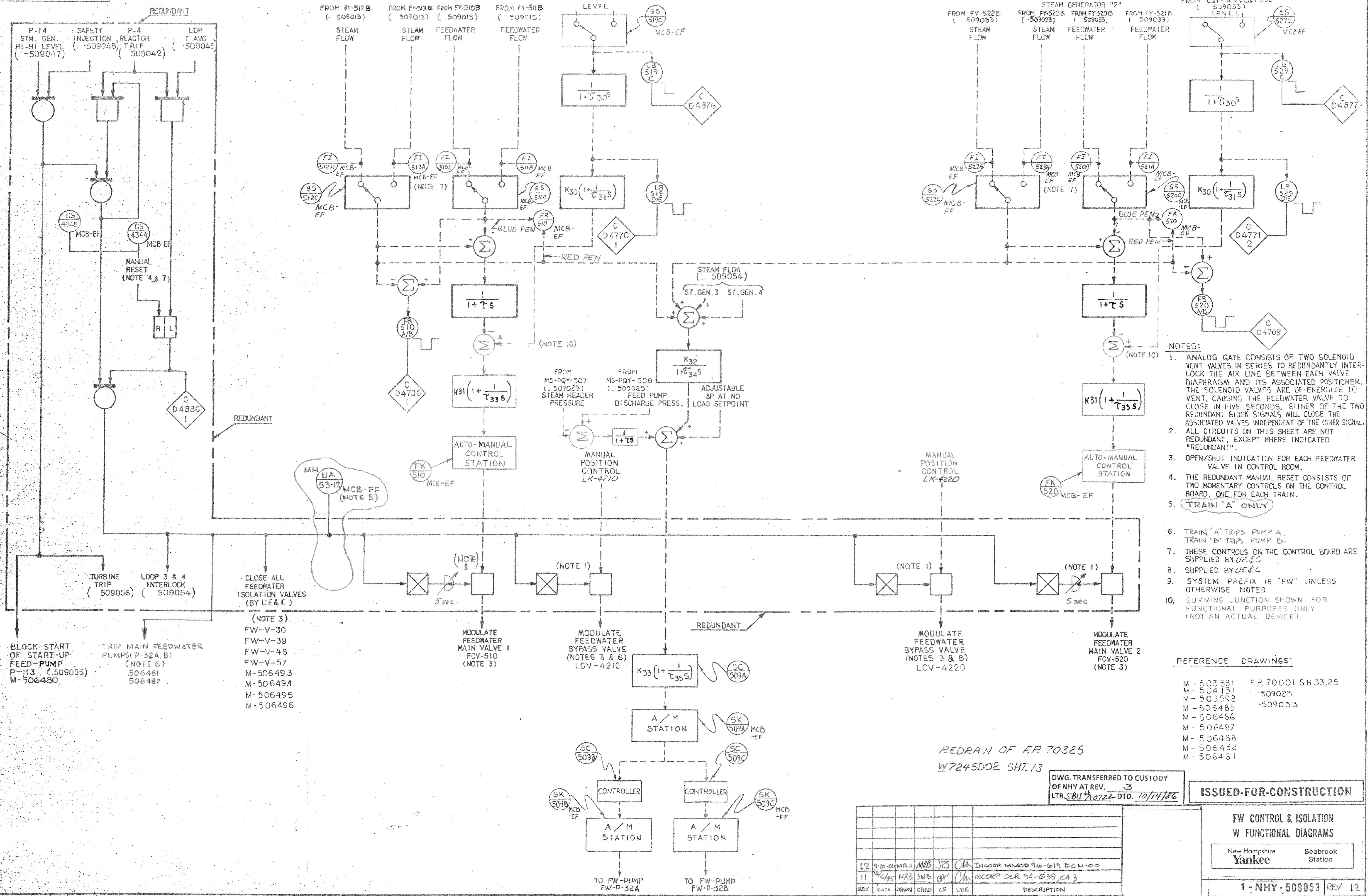
RC PRZR HTR CONTROL  
W FUNCTIONAL DIAGRAMS

New Hampshire  
Yankee

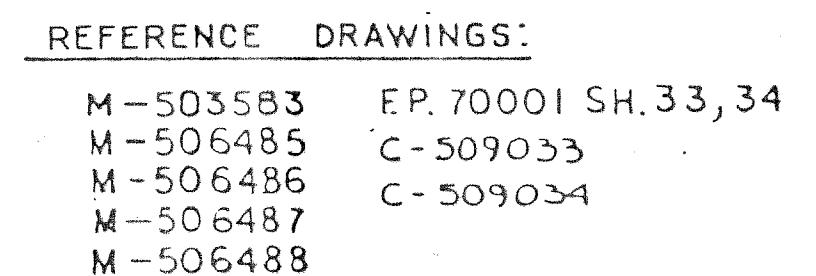
Seabrook  
Station

1-NHY-509052









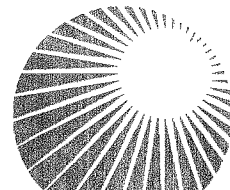
1 - NHY - 509054	REV 7
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[illegible]







- | NUCLEAR-SAFETY-CORRELATED   |         |      |  |                            |     |             |
|---|---------|------|--|----------------------------|-----|-------------|
|   |         |      |  |                            |     |             |
| 12  | 12/1/95 | RJS  | RJS  | MRJ<br>JHE                 | WLF | Ch          |
| REDRAWN:<br>INCORP. DCR 94-0002, CA-8<br>EDITORIAL CHANGES                            |         |      |  |                            |     |             |
| REV   | DATE    | DSGN | DRWN   | CHKD                       | CE  | LDE         |
|   |         |      |  |                            |     | DESCRIPTION |
| <b>North Atlantic</b>   |         |      |  | Energy Service Corporation |     |             |
|  |         |      | FW- TURBINE TRIP/RUN BACK<br>W FUNCTIONAL DIAGRAMS |                            |     |             |
|   |         |      | 1-NHY-509056                                       |                            |     |             |

REFERENCE DRAWINGS:  
506556 (MS)

REDRAW OF F.P. 70328  
W 7245D02 SHT. 16