GENERAL ELECTRIC 761E791TY

TITLE ELEM DIAG
REACTOR RECIRCULATION SYSTEM

CONTACT CLOSES WHEN SPEED >15% (CALIBRATE 270 RPM OR 800HZ)

CONACT OPNS WHEN SPEED >20% (CALIBRATE 350 RPM OR 1070HZ)

CONTACT OPENS WHEN SPEED >26% (CALIBRATE 440 RPM OR 1390HZ)

CONTACT OPENS WHEN SPEED >95% (CALIBRATE 1500 RPM OR 5010HZ)

CLOSES WHEN VALVE FO80B 15<19% OPEN

CLOSES ON LOW TOTAL FEEDWATER FLOW (SEE REF 2)

CLOSES ON VESSEL LOW LEVEL 3 (SEE REF 2)

CLOSES ON LOW ΔT (SEL SH 11)

B35-P001B

POWER SUPPLY 125 VDC / 24 VDC

CONTROL TACHOMETER

PART OF B35-K141B

RACK 2 H13-P634

H13-P602

S107B

S107A

S107B RESET

S111B RESET

S108B RESET

LS1 B35-FO40B

52b BKR #5A

5MCR

K1458 TDO 12 SEC

K1458 TDPU 12 SEC

K1458 TDO 15 SEC

K1278 TDPU 15 SEC

K1278 TDO 15 SEC

K1498 TDPU 15 SEC

K1498 TDO 15 SEC

HIGH SPEED TO LOW SPEED AUTO TRANSFER SEQUENCE

RECIRC PUMP MOTOR RESIDUAL VOLTAGE SENSING

RECIRC PUMP MOTOR SPEED SENSING

CKT 2RCS822

TOTAL FEEDWATER LOW FLOW INTERLOCK

VESSEL LOW LEVEL INTERLOCK

STEAM LINE / PUMP SUCTION ΔP INTERLOCKS

K15I8 K15I8

JET PUMP INTLK REF 4

LFMG SET "B" CONTROL & INTLK CIRCUIT

B35-P001B

1A ISOLATION C72-AT1B (REF 23)

K22 K23 K24

K1508 R118 47A 1W C118 .1uF 600V

K1358 K1338 K1218 K1188 K1388 K1368 K1328 K1348 K1378 OPERATING COIL K1378 RESET COIL K1408

RECIRC PUMP TRIP, LFMG START INITIATION

GENERATOR AT RATED VOLTAGE CKT 2RCS822

CONTROL POWER FAILURE

LINE CODES: 140,141,142,143,145,146

NE 9TZIP

SAN JOSE

761E791TY

PRC APERTURE CARD

NOTED MAY 0 1 1981 S. K. Bogdanian

STONE & WEBSTER ENGINEERING CORPORATION
NINE MILE POINT NUCLEAR STATION - UNIT 2
NIAGARA MOHAWK POWER CORPORATION
J.O. 12177

MANUFACTURER'S DRAWING DATA FORM

NAME
RESP. ENG. S. MEHTA (E1)
RESP DES. ENG. C. LANE (E1)

✓ INSTRUCTIONS TO SUPPLIER (E2)
✓ COMMENTS AS NOTED
APPROVED — AS DEFINED IN SPECIFICATION
APPROVED AS REVISED
RELEASED FOR FABRICATION
RELEASED FOR MATERIAL PURCHASE

SUPPLIER TO RESUBMIT — QNTY
REVISED PRINTS
REVISED MICROFILM APERTURE CARDS
FOR REVIEW
FOR RECORD
NONE REQUIRED

NOTES:

✓ INSTRUCTIONS TO DESIGN (E1)

I-O	INFORMATION ONLY
P-L	PRELIMINARY LAYOUT
P-S	PRODUCTION STUDIES
R&C	REVIEW AND COMMENT
F-D	FINAL DETAILS
NEW	NEW
REV.	REVISED

DATE TO DESIGN (C) 3/3/81 — REQUIRED RETURN DATE (E1) 3/24/81

(E1) ✓ FOR INFORMATION ONLY RETURN TO SUPPLIER NOT REQUIRED

DESIGN ENGINEER'S DATE STAMP (D) IN: NOTED MAR 0 2 1981 C. A. LANE

INSTRUCTIONS TO DESIGN (CIRCLE) (E1): I-O P-L P-S R&C F-D NEW REV.

DESIGN ENGINEER'S DATE STAMP (D) OUT: NOTED MAR 1 1981 C. A. LANE

DESIGN GROUP ROUTING (D)

ROUTE ✓		REQUIRED PRINT	REQUIRED MAC	RVW *
	ARCHITECTURE			
	CIVIL			
	CONCRETE			
	STEEL			
	BUILDING SERVICE			
	INSTRUMENT			
	MECHANICAL			
	PIPE SUPPORT			
	STRESS			
	MACHINE DESIGN/VESSEL			
	ELECTRICAL MAR 3 1981 C. A. LANE	✓	✓	
	LIGHTING			
	MODEL SHOP			
	EXTENSION OFFICE			
	CONTROL			

INITIALS OF SELECTED REVIEWERS: GKB, AG, JD, SM, EJH

RESPONSIBLE ENGINEER'S DATE STAMP (E2): NOTED APR 30 1981 S. J. MEHTA

SUPERSEDES S&W FILE NO. (E1) (25-34) (35-38): 0010X211301L036A

REMARKS (C) (LIMIT TO 22 CHARACTERS & BLANKS) (53-74): T-1076

S&W EQUIP. I.D. CODE (E1) (25-36): 2RCS

AREA DESIGNATION CODES (E1) (75-80):

MFR'S. DWG. NO. (C) (LIMIT TO 24 CHARACTERS & BLANKS) (37-60): 761E791TY, Sh. 21, Rev 0

MFR'S. NAME (C) (LIMIT TO 20 CHARACTERS & BLANKS) (61-80): GENERAL ELECTRIC

DATE RECD (C): MONTH 08 DAY 25 YR (29-30) 81 — DWG TYPE (E1) (31): E — MAX DAYS IN DESIGN (E1) (32-33): 21

FUNCTIONAL TITLE (E1) (LIMIT TO 44 CHARACTERS & BLANKS) (37-80): REACTOR RECIRC SYS ED

S&W FILE NO. (E1): 0010X211301L036B (11-20) (21-34)

JOB ORDER NO. 12177 00 (35-40)

(C) PROJECT CLERK
(D) RESP. DESIGN ENGINEER
(E1) RESP. ENGINEER - ON DWG RECEIPT
(E2) RESP. ENGINEER - AFTER DWG REVIEW
MAC - MICROFILM APERTURE CARD
* RVW - REVIEWER INITIALS

Ⓜ ATTACH TO MFR'S. DRAWING