NEWFAX 3/85 N58313

ED 7489

TURBINE GEN. ANTI-MOTORING TRIP & ALARM | GENERATOR BKRS. FAILURE & BUS G DIFFERENTIAL | GENERATOR STATOR GRD. BACKUP | GENERATOR BKRS. AUX. RELAY

P61B

CONTINUED FROM SH. 8

C5750B — JUMPER — 11 52XB 12 — JUMPER — C5750B

C5750B M11B HX11A 19 52S1a 20 HX11A E32B SH.2 M11A C5750B

C5750B M11B HX11B 19 52S1a 20 HX11B E32B SH.8 M11A C5750B

M11A — JT4401 — M11A — C3201D (1I3A-6) — 4TSBT-RLY-1 — SEE NOTE 5 — 4TSBT-RLY-2 — C3201D (1I4A-7) — M81

C5750B 13 94AM G 14 — M81 — JT4401

TR3B

N61B

TD-3B03 — 4 94AMX G 6 — TD-3B04

M91 — SI 32A — SI TDC 11 — M121 — 1 94AM G 2 — M101 — L1 94AMX G RES 600 L2 — M111 — TD-3B03

T.D.D.O. (0.5 - 5 SEC. ADJ) SET AT 2 SEC.

C5750B — BF2 — SF11 — 86F-2 9 11 10 E TS1-1 — 9 86F-2 10 13 @ F13 E TS1-1 — 14 86B 16 BUS G PNL TS5 — SF11 — BF12 — C5750B — 15 HZ 5 OFF DELAY 6 74BF-B G — BF22 — TD-3B04

16

C5750B C5750A — 1 TD-3B06 2 — BGG 1 — 59N — S1 — TOV SI — 2 BGG1 — 15 HZ 5 OFF DELAY 6 74G-A G — C5750A BGG11 — C5750B 11 60-2 XA 12 TRANSFER NOT ENABLED — C5750B — C5750A 4 BGG21 — TD-3B06

C5750B C5750A

LAMP TEST PB-5B — 2 5 52XB 6 1

C5750B — M SF11 — SEE DETAIL "1" BELOW FOR THIS AREA — 89a 11A 89a 11B — 89a 13A 89a 13B — M91 — 89a X1 — SF11 — M1 — C5750B — 13 52XB 14 — 15HZ 5 OFF DELAY 6 62 52B

A

SCHEME NO. GX02 (CONTINUED) - CHANNEL B
START-UP SYS. NO. 087/098

NOTES: (CONT'D)

5. 4TSBT-RLY-1 AND 2 CONTACTS WHICH HAVE 2 OUT OF 3 LOGIC CLOSE WHEN ALL STOP VALVES ARE CLOSED AND EACH COMBINED INTERMEDIATE VALVE HAS EITHER THE INTERMEDIATE STOP VALVE OR THE INTERCEPT VALVE CLOSED WILL ENERGIZE RELAY 94AM/G (NO STEAM PATH THROUGH THE HIGH PRESSURE AND LOW PRESSURE TURBINES).

(01B)CL91 — 4 52XB 3 — (01B)CL81 — BKR. HX01B CLOSE INTLK. SEE DWG. E-32B SH.9

M — 5 52XB (THIS SHT.) 6 — M91 — 7 52XB 8 SPARE

1 52XB 2 (SH. 8)

(02B)CL91 — 10 52XB 9 — (02B)CL81 — BKR. HX02B CLOSE INTLK. SEE DWG. E-32B SH.11

11 9 7 5 3 94AM G 12 10 8 6 4 — SPARE

2 4 * 74BF-B G 8 — TD — SPARE

BUS B SYNCH CHECK RELAY 25-1/B TRIGGER CKT. (E-32B SH.20A)

62 52B 1 3 7

2 4 62 52B 8 — SPARE

2 4 * 74G-A G 8 — SPARE

2/C #14 — C3201D — (R) M11A, M81 — JT4401 — (B) M11A, M81 — C5750B — (A) BF2, BF12 M, M1 — SF11 — SHIELDED

HX11B — (Q) M11A, M11B — (P) M11A, M11B — HX11A

BLOCK DIAGRAM
SCHEME NO. GX02

M SF11 — @ F13 J — J — 52a-CØ 11 — 52a-BØ 11 — 52a-AØ 11 — 52a-AØ 13 — 52a-BØ 13 — 52a-CØ 13

DETAIL "1"

NOTES:

1. FOR GENERAL NOTES & LOCATION DESIGNATIONS SEE DWG. INDEX E-31B.
2. SEE SH.12, & SH.15 FOR RELAY CONTACT ASSIGNMENTS.
3. EACH TURBINE VALVE POSITION SWITCH IS SHOWN WITH BOTH BECHTEL AND GE DESIGNATIONS, THE LATTER IS SHOWN IN PARENTHESIS.
4. *4 NOT USED - SEE GE INSTRUCTIONS GEI 10190G.

THIS DWG. WAS REDRAWN ON CADD & SUPERSEDES REV. 8

SCALE NONE	DESIGNED TG	DRAWN JFS	DATE 03-25-92

DAVIS-BESSE NUCLEAR POWER STATION
UNIT NO. 1
THE TOLEDO EDISON COMPANY

ELEMENTARY WIRING DIAGRAMS
GENERATOR AND TRANSFORMER PROTECTION
TRIPPING AND LOCK-OUT RELAY CKTS

DRAWING NO.	REV.
E-31B SH.9	16

DB 07-22-14 DEN-E:/SCHEME/E31BSH9 DGN

NO.	DATE	REVISIONS
15	6/12/14	INC. DUN 05-0140-004-141 REV.00
14	1/31/05	INC. DCN E-31B-200 PER ECR 04-0152-00 (CR 02-04591)
13	1-23-03	INC. DCN E-31B-174 PER EWR 01-0101-00; DCN E-31B-146 PER MOD 90-0002 SUP.02 & GEN. UPDATE CORRECT SPELLING IN REDRAWN NOTE
16	3/26/97	INC. DUN 14-0422-001-002 REV.00

	INITIALS	
GEN. SUPV.	—	ON FILE
ENGR. SUPV.		
ENGR.	—	ON FILE
CH'K	SAC	
BY	SBW	ON FILE