NEWFAX 3/85 N58313

ED 7489

4.16 KV BUS

A
B
C

52
1200A

AM
AM TRANS. SWITCH
A2 A1
1C21
2 1
4 3
6 5
8 7
10 9

TS
A B C D E F G H I

1C1 1C11
1C2 1C12
1C3 1C13
1C23
1C22

1CN3
1CN2
1CN1

50/51
1C31 ITH CO IIT 9 8
1C32
50/51
1C33 SSC-T CO IIT 9 8
1CO

A 1CO C
5:0.02A AM
1C32
A C

2CN 50GS 8 9
2CO

T1 T2 T3 A
T1 T2 T3
T1 T2 T3 M
ALL CT LEADS TERMINATE ON SHORTING TYPE TERMINAL BLOCKS

M H1 A 10 52S1b 9 A L1
SP10 SP9
HEATER
M H2 A N
PANEL H3602 CIRCUIT 7 ØA

SPARE
4 6 2
1Y

52S2b
15 16
SP35 SP36
[PART OF F601] PART OF (QSDH2A) SEE DWG. E-52B SH.54C

52S2b
19 20
SP39 SP40
[Z345] (QS-DH6A)

SP5 5 b 6 SP6
52S1
31A 31A1
C5756C (E-760)

SH9
1 2 SH10
PART OF SCHEME Z416 SEE DWG. E-34B SH.25
52H2

DS1 L4 L3 DS2
DS3 DS4
L20 L19
SPARE DS

AN6
TDO 6 4 AN4
6 TDC 2 AN2
39
SPARE

741
TDO 8 2 743
8 TDC 4 742
74
PART OF [Q340] PART OF (QS-DH6) SEE DWG. E-52B SH.54C
THIS CONTACT NOT TO BE USED

5 3 AN3
TDO AN5
5 1 AN1
39
BREAKER CLOSING SPRING FAILURE [PART OF Q419] SCHEME COT531 SEE E-34B SH.21

AL
3 TDC 7 AL1
74
SPARE

3
5
1
SCHEME AD105 E-49B SH.1B
4
6
2
SPARE
1X

3
5
1
SCHEME AD105 E-49B SH.1B
4
6
2
SPARE
CLX

SP3 3 a 4 SP4
SP7 7 a 8 SP8
SP17 17 b 18 SP18
SP13 13 b 14 SP14
SP11 11 a 12 SP12
SP15 15 a 16 SP16
SP19 19 a 20 SP20
SP23 3 b 4 SP24
SPARE 52S1

SP25 5 a 6 SP26
SP29 9 a 10 SP30
SP27 7 b 8 SP28
SP33 13 a 14 SP34
SP37 17 a 18 SP38
SPARE 52S2

SH3 1 a 2 SH4
SH5 5 a 6 SH6
SH7 7 b 8 SH8
SPARE 52H1

SH11 3 b 4 SH12
SH13 5 a 6 SH14
SH15 7 b 8 SH16
SPARE 52H2

CS1 3 3C CS2
CS3 4 4C CS4
CS5 5 5C CS6
CS7 6 6C CS8
SPARE CS CONTACTS

51 51 a 52 52
53 53 b 54 54
55 55 a 56 56
57 57 b 58 58
SPARE 52 AUX

DEVICE TYPE
50GS - INST. GROUND SENSOR RELAY
39 - BRKR. CLOSING SPRING FAIL MONITOR RELAY
74 - ALARM RELAY (OVERCURRENT)
TS - TEST SWITCH
AM - AMMETER
50/51 - PHASE TIME & INST. OVERCURRENT RELAY

NOTES:
1. FOR GENERAL NOTES SEE DWG. INDEX E-52B.
2. FOR BREAKER CONTROL SCHEME SEE DWG. E-52B SH.6D.
3. FOR DETAILS OF CONTROL SWITCH "CS" SEE DRAWING NO. E-30B, SH.9A, FIG.3. FOR CS(HIS) SEE E-30B, SH.9, FIG.2.
4. FOR DETAILS OF LOCAL PUSHBUTTONS SEE DRAWING NO. E-30B, SH.7, FIG.1, TYPE 1.
5. FOR SWGR. INTERNAL WIRING SEE WEST. DWG. NO. 1199F25 (FPE-5-691) & 1199F53 (FPE-5-92).

P21, P22, TR11, P21A
N (E) A (F)
(A) (C)
H11, H2 (SCHEME AD112) CHANNEL "B"
T1, T2, T3
1CO, 1C32
(D) (B)
M C
P32, P31, TR21 CL21, W, G1, N22, R
P21, CL11, TR, TR11, N21
SA2 SA4 4
PREFAB. CABLE CL2, P21, CL12, TR, TR11
BLOCK DIAGRAM

LEGEND

SCHEME NO.	SU NO.	CHANNEL	WIRE PREFIX	BUS	SWGR UNIT	CS	C	A	M	N	SA2	SA4	AM (ATC)	SA OUTPUT RELAY KA	SA OUTPUT RELAY KB
AD112	049	2	DHA	D1	12	HISDH6A	C5716	AD112	MP0422	NP0422	C5755C	C5756D	IIDH6A	K31A	K31A

NO.	DATE	REVISIONS
3	10/15/92	INC DCN E-52B-715 FOR FPR 91-1233-902
2	3/8/90	INC. DCN E-52B-501 PER DCR 88-0515
4	3/21/95	INC. DCN E-52B-775 FOR DDR 94-3501
0	11/23/87	CREATED TO REFLECT SCHEME SEPARATION DUE TO "AS-BUILT" OF FCR 84-186

INITIALS	BY	CH'K	ENGR.	ENGR. SUPV.	GEN. SUPV.
INITIALS ON FILE	JLH	MTF	WJK	PWG	JAC
	FS	SBW	KJB	—	—

SCALE NONE | DESIGNED | DRAWN CADD | DATE 9/10/87

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

ELEMENTARY WIRING DIAGRAMS
REACTOR COOLING SYSTEM
DH. PMP. 1-2

DRAWING NO. E-52B SH.6C | REV. 4

DB 11-29-94 DFN= /SCHEME/E52BS06C.DGN