



EQUIPMENT (LOCATION) NUMBERS

C3615 - DSL GEN 1-1 ELEC CONTROL & RELAY BD
 C5715 - MAIN CONTROL BD
 C3617 - DSL GEN 1-1 EXC & REG BD
 G51 - DSL GEN 1-1
 AC103 - BUS C1 4.16KV SWGR UNIT 3
 AC203 - BUS C2 4.16KV SWGR UNIT 3
 AC101 - BUS C1 4.16KV SWGR UNIT 1
 C5752F - CONTROL RM COMP ANALOG
 AD101 - BUS D1 4.16KV SWGR UNIT 1
 C3616 - DSL GEN 1-2 ELEC CONTROL & RELAY BD
 C3618 - DSL GEN 1-2 EXC & REG BD
 G52 - DSL GEN 1-2
 AD203 - BUS D1 4.16KV SWGR UNIT 3
 AD103 - BUS D2 4.16KV SWGR UNIT 3

RELAY AND INSTRUMENT INFORMATION FOR DSL GEN CONTROL

DESTINATION	TYPE	FUNCTION	DESTINATION	TYPE	FUNCTION
27-35	RE	UNDERVOLTAGE OVERVOLTAGE RELAY	VAR	GE	VARI-METER
32	GE	REVERSE POWER RELAY	MM	GE	WATT-HOUR METER
33	GE	FIELD FAILURE RELAY	SYN	GE	SYNCHROSCOPE
46	GE	NEGATIVE PHASE SEQUENCE RELAY	FREQ	GE	FREQUENCY METER
48	GE	TIME OVERCURRENT RELAY	PPH	GE	POWER FACTOR METER
51V, C1-2	CON-4	VOLTAGE CONTROLLED	VM	GE	VOLTMETER
51C	GE	TIME GROUND SENSOR RELAY	TS	GE	METER DEV
51D	GE	VOLTAGE BALANCE RELAY	SA-1	GE	TEST SWITCH
51E	GE	OVERCURRENT RELAY	Y	GE	MATT TRANSDUCER (COMPUTER INPUT)
51F	GE	DIFFERENTIAL RELAY	Y	GE	VOLT TRANSDUCER (COMPUTER INPUT)
AM	GE	AMMETER	SW	GE	VOLTMETER SWITCH
INC RUN	GE	INCRONTING	25	ABB	SYNCHRONISM - CHECK RELAY
VM	GE	VOLTMETER	25	ABB	SYNCHRONISM - CHECK RELAY
MM	GE	WATTMETER	25V	ABB	SYNCHRONISM - CHECK RELAY

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51C	GE	TIME GROUND SENSOR RELAY	TS	GE	METER DEV
51D	GE	VOLTAGE BALANCE RELAY	SA-1	GE	TEST SWITCH
51E	GE	OVERCURRENT RELAY	Y	GE	MATT TRANSDUCER (COMPUTER INPUT)
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INC RUN	GE	INCRONTING	25	ABB	SYNCHRONISM - CHECK RELAY
VM	GE	VOLTMETER	25V	ABB	SYNCHRONISM - CHECK RELAY
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VM	GE	VOLTMETER	25V	ABB	SYNCHRONISM - CHECK RELAY
MM	GE	WATTMETER	25V	ABB	SYNCHRONISM - CHECK RELAY

NOTES:

- ALL CT LEADS TO TERMINATE ON SHORTING TYPE TERMINAL BLOCKS.
- OUTPUT CONTACTS OF ALL PROTECTIVE RELAYS SHOWN ON DWG. E-64B, SHEETS 1A, 1B, 1C, 1D, 2A, 2B, 2C, 2D.
- FOR COMPLETE GOVERNOR & VOLTAGE CONTROL AND EXCITER REG. SCHEME SEE DWG. 7749-M-180-10 AND 7749-M-180-31.
- SCHEME (D101) IS FOR EMERGENCY DIESEL GEN. 1-1(1-2) EXCEPT AS NOTED.
- SEE DWG. E-308 SH. 10 FIG. 1 FOR SWITCHES 2550 E308 SH. 5A FIG. 4 FOR SWITCHES 2550 H5221(2521).
- FOR BLOCK DIAGRAMS OF COMPUTER SCHEMES, SEE DWG. E-724.
- ADDITIONAL WIRING INFORMATION FOR PT'S CAN BE FOUND ON DRAWING M-180-31.
- TYPE = GE COV-9 FOR AC101 (AP & BP) & AD101 (AP, BP & CP) TYPE = ABB COV-9 FOR AC101 (CO).

DAVIS-BESSE NUCLEAR POWER STATION UNIT NO. 1

EMERGENCY DIESEL GENERATORS 1-1, 1-2 RELAY & METERING THREE LINE DIAGRAM

INITIALS ON FILE

DATE: 05-18-70

REV: 1

REV: 2

REV: 3

REV: 4

REV: 5

REV: 6

REV: 7

REV: 8

REV: 9

REV: 10

REV: 11

REV: 12

REV: 13

REV: 14

REV: 15

REV: 16

REV: 17

REV: 18

REV: 19

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REV: 100