FROM 480V SWGR 1EX2-B, 1EI-ELY5-29-B (2AW1729-EI-1)

1EI-EFU2-69FA-B
1EI-EFU2-69FB-B
COMPT A1
3A
4 CL
2
1EI-EIL-69FA-B
1EI-EIL-69FB-B

800A FRAME
NON-AUTOMATIC
1EI-52NA-69F-B

600A BUS, 3φ

300A
COMPT F5
1EI-EDS-69B-B
2 CL
15A
1EI-EFU2-69BA-B
(SEE NOTE 8)
1EI-ECPT-69B-B
480-120V, 1φ, 5KVA

COMPT F1
15A
1EI-EFU1-69BE-B
1EI-27-69BB-B
27
GE TYPE NGV

COMPT F1
15A
1EI-EFU1-69BB-B
1EI-27-69BA-B
27
AGASTAT
MON M0780
AN 1122
OR 300

BKR NO. 1
15A
1EI-52-69BA-B
120V, 1φ, BREAKERS COMPT F2

COMPT F4
OKE-EFU1-0418-B 5A F4-1 MOV HTR REF: 5GW0740-KE-01
1KE-EFU1-3578-B 5A F4-2 MOV HTR REF: 5GW1740-KE-19
1FF-EFU1-0058-B 5A F4-3 MOTOR HTR REF: 5GW1740-FF-02
1FF-EFU1-0068-B 5A F4-4 MOTOR HTR REF: 5GW1740-FF-02
1FF-EFU1-0158-B 5A F4-5 MOTOR HTR REF: 5GW1740-FF-03
1RG-EFU1-0118-B 5A F4-6 MOTOR HTR REF: 5GW1740-RG-03
1RG-EFU1-0128-B 5A F4-7 MOTOR HTR REF: 5GW1740-RG-03
1RG-EFU1-0138-B 5A F4-8 MOTOR HTR REF: 5GW1740-RG-03
1RG-EFU1-0148-B 5A F4-9 MOTOR HTR REF: 5GW1740-RG-03
1RT-EFU1-0048-B 5A F4-10 MOTOR HTR REF: 5GW1740-RT-04

BKR NO. 2
15A
1VG-52-0046-B
MOT OPERATED DAMPER REF: 5GW1740-VG-08

BKR NO. 3
15A
1VG-52-0057-B
MOT OPERATED DAMPER REF: 5GW1740-VG-03

120V CONTROL POWER

BKR NO. 4
15A
1VG-52-0045-B
MOT OPERATED DAMPER REF: 5GW1740-VG-08

BKR NO. 5
15A
1VG-52-0058-B
MOT OPERATED DAMPER REF: 5GW1740-VG-03

BKR NO. 6
15A
1VG-52-0050-B
MOT OPERATED DAMPER REF: 5GW1740-VG-04

CONTINUED BELOW

NOTES:
1. FOR GENERAL NOTES, REFERENCE DWGS AND SYMBOLS SEE DWG 5DW1733-EI-1.

AUXILIARY RELAYS BACK PANEL FB

1EI- FB2-1 ERLY ITE J10 FB2-2 SPARE
1EI- FB3-1 ERLY ITE J10 FB3-2 SPARE
1EI- FB4-1 ERLY ITE J10 FB4-2 SPARE
1EI- FB5-1 ERLY ITE J10 FB5-2 SPARE
1EI- FB6-1 ERLY ITE J10 FB6-2 SPARE
1EI- FB7-1 ERLY ITE J10 FB7-2 SPARE

1EI-ERLY-69BD-B FB8-1 ERLY ITE 5φ FB8-2
MAN BY-PASS REF: 5GW1740-EI-14

CONTINUED FROM ABOVE

BKR NO. 7
15A
1RT-52-0104-B
DSL GEN 002-B ENG CONT PNL REF: 5GW1740-RT-04

BKR NO. 8
15A
1RT-52-0116B-B
DSL GEN 002-B ENG CONT PNL REF: 5GW1740-RT-04

COMPT F4
1RT-EFU1-2-B 10A F4-11
CAB SPACE HTR REF: 5GW1740-RT-12

120V CONTROL POWER

BACK PANEL FB

1EI- 10A FB14-1 SPARE
1EI- 10A FB14-2 SPARE
1EI- 10A FB14-3 SPARE
1EI- 10A FB14-4 SPARE
1EI- 10A FB14-5 SPARE
1RT-EFU1-0038-B 10A FB14-6 MOTOR HTR REF: 5GW1740-RT-03
1EI-EFU1-69BD-B 10A FB14-7 BY-PASS RELAYS REF: 5GW1740-EI-14

1EI-EFU1-69BF-B 10A FB14-8

120V SHUNT TRIP CIRCUITS

FB14-10 1EN-ELT-006 COMPT C1
FB14-11 SPARE
FB14-12 SPARE
FB14-13 SPARE
FB14-14 SPARE

50-434
8304150536
DATE 3-25-83 OF RECEIVED BY REGULATORY DOCKET FILE

PRC APERTURE CARD

REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	DSGR	INSP	SUBM	ITEM	APPD

DSGN R.C. Mann
DRWN F.R. Hoosier
CHKD T.G. Hanna
SUPV M.A. Dalton
INSP
ENGINEER W.C. Rutherford Jr.

SCALE: NTS EXCEPT AS NOTED

DIESEL GENERATOR BUILDING
UNIT 1

SINGLE LINE
480V MCC 1E4-B
1EI-EMCC-69-B

REVIEWED
EEB F.W. Buckman
CEB N/A
MEB N/A
NEB N/A

INSPECTED AND APPROVED FOR ISSUE

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN
Q

SUBMITTED	RECOMMENDED	APPROVED
W.C. Rutherford Jr.	G.L. Spencer	R.M. Hodges

KNOXVILLE | 3-9-82 | 88 | E | 5DW1733-EI-03 R0

RECORD DRAWING AS CONSTRUCTED

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