4064 R2
5838 R2

DIESEL CONTROL PNL PANEL 2IX-IM-009

6.9KV SWGR 2ETI-B DSL SUP CONTROL 2EG-IXIS-273A-B

6.9KV SWGR 2ETI-B NOR SUP CONTROL 2EG-IXIS-271A-B

6.9KV SWGR 2ETI-B ALT SUP CONTROL 2EG-IXIS-272A-B

5N3-13M TRIP CLOSE

5N3 (14A)

MAIN CONTROL ROOM PANEL 2IX-IM-001

6.9KV SWGR 2ETI-B DSL GEN 2B-B FOR IND 2EG-IXI-273-B

5N3-4F TRIP CLOSE

SYNCHRO SCOPE

IXI-007A-B, IXI-007B-B, IXI-007A, IXT-007A, IXI-007B, IXT-007B, IXI-007C-B

INCOMING FREQ METER — FREQ XDCR — RUNNING FREQ METER — FREQ XDCR

SYNCRONIZER SELECT SW IHS-007A-B

SW POSN: OFF, NOR, ALT, DG

VOLTMETER SELECTOR SW IXS-C07A-B

SW POSN: OFF, NOR, ALT, DG, BUS

SEE B & W REF DWGS 02-23785NF B, 02-23786NF

III-171-B, III-172-B

WATT METER, AMP METER, VAR METER

ECA2-93-B SEE NOTE 8

ECA2-96-B SEE NOTE 8

SEE NOTE 8 ECA2-97-B

2EK-EDP-75-B LOCATED IN POWER DISTRIBUTION RELAY CABINET 2IX-IS-001-B

120V AC/24V AC CLASS 1E AUX PWR DIST PNL 2EK-EDP-75-B

SEE REF DWG 5AW2661-JT-05

5A, 24V AC, 2EK-EFU1-7508-B

ECA2-94-B, ECA2-95-B, ECA2-98-B, ECA2-100-B, ECA2-99-B, ECA2-101-B, ECA2-91-B

ECA2-104-B, ECA2-105-B, ECA2-106-B

SSCS TERMINATION CAB. 2IX-IS-007-B

MCR A J23

FOR INTERNAL EQPT SEE 2AW0900-EG-02

SSCS LOGIC CAB. 2IX-IS-008-B

FOR INTERNAL EQPT SEE 2AW0900-EG-02

48V DC COM, SHLD GRD, 28V DC COM

TB2381, TB2382, TB2383, TB2384, TB2385, TB2386, TB2387, TB2388

TB1885, TB1886, TB1887, TB1884

TB2081, TB2082, TB2083, TB2084, TB2085, TB2086, TB2087, TB2088

TB1781, TB1782, TB1783, TB1784, TB1785, TB1786, TB1787, TB1788

TB2145, TB2146, TB2147, TB2148, TB2385, TB2386, TB2387, TB2388

TB2345, TB2346, TB2347, TB2348

K2144, K2145, K2344, K2345, K2364, K2365

TEST CLOSE, CLOSE, TRIP

ECA3-102-B, ECA3-103-B, ECA3-110-B

ESFAS TRIP SSCS CAB. 2IX-IS-005-B

FOR CKT DET SEE 5GW0640-IL-07

COMMITTED TO DSL GEN, TEST DISABLE, LOSS OF POWER

SSCS CAB. 2IX-IS-005-B SEQUENCER OUTPUTS

ECA2-107-B, ECA2-108-B, ECA2-109-B

ENT A, ENT B

R30A-1, R30B-1

DSL 2B-B READY TO LOAD

DSL 2B-B PROTECTIVE TRIPS

SEE REF DWG 5GW2740-RT-11

DG 002-B ENG CONT CAB. 200-ELCP-2-B

PS-98

DG 002-B GEN CONT PNL 2RT-ELCP-2-B

210, 209, 86HR

SEE REF DWG 5GW2740-RT-11

ECA2-111-B, ECA2-112-B

(N)AJ4, (N)AJ3, (N)AJ2, (N)AJ1, (N)AJ12, (N)AJ14, (N)AJ13, (N)AJ11, (N)AJ15, (N)AJ16, (N)AJ13, (N)AJ14, (N)AJ6, (N)AJ8, (N)AJ7, (N)AJ6, (N)AJ8, (N)AJ7

(P)AK22, (P)AK24, (P)AK9, (P)AK16

DSL, BUS, ALT, NOR

AUX PT

CLOSES WHEN 2ETI-B DSL SUP BKR CLOSES SEE-273-B

CLOSES WHEN 2ETI-B DSL SUP BKR OPENS SEE-273-B

CLOSES WHEN 2ETI-B NOR SUP BKR CLOSES SEN-271-B

CLOSES WHEN 2ETI-B NOR SUP BKR OPENS SEN-271-B

CLOSES WHEN 2ETI-B ALT SUP BKR CLOSES SEA-272-B

CLOSES WHEN 2ETI-B ALT SUP BKR OPENS SEA-272-B

SSCS TEST ENABLE

2ETI-B DSL SUP BKR CLOSE CKT

2ETI-B DSL SUP BKR TRIP CKT

125V DC

CLOSES FOR SNGR DIFF, NOR SUP OC OR ALT SUP OC

CLOSES FOR DSL GEN SUP DIFF

CLOSES FOR DSL GEN SUP DIFF, SNGR SUP OC OR ALT SUP OC

CLOSES FOR SNGR DIFF, NOR SUP OC OR ALT SUP OC

FOR EQPT JUMPERS SEE 5GW2740-RT-11

2ETI-B NOR SUP CURRENT EAT-271A-B (OUTPUT 0-3MA)

2ETI-B ALT SUP CURRENT EAT-272A-B (OUTPUT 0-3MA)

2ETI-B DSL SUP WATT XDCR EAT-273-B (OUTPUT 0-1MA)

2ETI-B DSL SUP CURRENT EAT-273A-B (OUTPUT 0-3MA)

2ETI-B DSL SUP VAR XDCR EART-273-B (OUTPUT 0-1MA)

FOR CKT DETAILS SEE 5GW2740-RT-11

PANEL (N) ENVS-07N-B

PANEL (M) ENVS-07M-B

PANEL (N) DSL SUP BKR

PANEL (P) ENVS-07P-B

PANEL (K) ENVS-07K-B

FOR INTERNAL EQPT SEE 5GW2740-EG-12, 5GW2740-EG-13

6.9KV SWITCHGEAR 2ETI-B ENVS-07-B

STANDBY SUPPLY FROM DSL GEN 2B-B

ANN DSL GEN 2B-B

INITIATE DSL GEN 2B-B SHUTDOWN

DSL SUP BKR DIFF CT

DSL GEN 2B-B CT'S

6.9KV SWITCHGEAR 2ETI-B, 2EG-EMVS-07-B

NOTES:
1. FOR GENERAL NOTES AND REFERENCE DRAWINGS SEE 5GW2740-EG-01.
2. FOR MONITORING SYSTEMS DEVELOPMENT SEE 5GW2740-EG-09.

Docket # 50-438
Control # 8304050536
Date 3-25-83 of Document
REGULATORY DOCKET FILE

PRC APERTURE CARD

REV	ECN NO.	DATE	DSGN	OPTN	CHKD	SUPV	CHGE	TASP	BUSR	REQM	APPD
2	I 1538	1-17-83	SRG	AMJ	KEW	DM	WA		JLS	KMH	
1	SI	7-18-79	DHB	KEW			WA		JLS	KMH	

CHANGED MCR SWITCH MODULE AND PRESS SW.
MADE MINOR CHANGES.

DSGN JCG Hill
DRWN [illegible]
CHKD W. P. Woodbury Jr.
SUPV [illegible]
TASP
ENGINEER W. K. Abbott Jr.

SCALE EXCEPT AS NOTED

GENERAL
UNIT 2

SYSTEM SCHEMATIC 6.9 KV CLASS 1E AC AUX POWER DISTRIBUTION SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED	RECOMMENDED	APPROVED
W. K. Abbott Jr.	[illegible]	K. M. Hahn

KNOXVILLE 1-14-83

88 E 5GW2740-EG-07 R2

RECORD DRAWING AS CONSTRUCTED

REVIEWED
RC(CIVIL) N/A
RE(ELEC) [illegible]
RM(MECH) N/A

PRINT H 3 / SIZE F 0
SR OR PROJ BR EA CE AD CD ED MD RW BL PA
PRINTS REQD-8

THIS TVCOL DRAWING IS UNDER CONFIGURATION CONTROL