MCR PNL 1IX-IN-011

SEE B&W REF DWG 02-33526NF

III-025

9-108

BK W ECA2-17

BOP ISOLATORS 1IX-ISOL-154-A

0-3ma

TC5 TC6

BK W ECA2-16-A

480Y SWGR 1EX2-A, COMPT E4 1EE-ELYS-25E4-A

OTS - OVERCURRENT TRIP SW
TOC - ACTUATED WHEN BKR RACKED IN TEST POSITION

480V AC

E42.6 E42.7 E42.8

10-3MAI

(+) (-)

EFU3-035A-A

SH 035-A0

125V DC CONT PWR

EFU2-035B-A

EFU2-035C-A

TCA TOA

NOR POSN (SPG RTN TO CTR)

TEST CLOSE

CLOSE

TRIP

TOC OTS

CHGRG MOT

CLOSE COIL

LIM SW

52B

TRIP COIL

52A

REF DWG W 1245F12 DET R

AMP XDCR

A0 B0 C0

ECA4-15-A

480V MOT. BD. A COMPT 5A 1EE-EMCC-6251-A

SEAMS ISOLATOR 1IS-ISOL-115-A LOCATED IN 1IX-IMXA-002C-A

REF DWG 5GW0640-IS-01

2-05-7

MCR MC293 48V DC

BK W

1IS-ECA2-1801-A

S1-25 S1-26 EBUF

S1-5 S1-6 S1-9 S1-10 S1-17 S1-18

EFU1-035D-A 2A

OVLD FAST OVLD SLOW

480/120V

NON-AUTOMATIC BKR

CRT CRS CRF

ECA3-035-A

ABUF

T6 T4 T5 T1 T2 T3

ECA4-13-A ECA4-14-A

ECA4-11-A ECA4-12-A

PRI CNTMT PEN 1NI-EPEN-063-A

PRI CNTMT PEN. 1NI-EPEN-034-A

ZONE 1 ZONE 2 ZONE 3 ZONE 4

ECA1-9-A ECA1-10-A

ECA4-7-A ECA4-8-A

EMB-035A-A

6 4 5 1 2 3

MOT

REF DWG 5GW0747-RP-10 TYPICAL: 5501

REACTOR BLDG COOLING FAN, MFAN-035-A

LOCATED ON MCR PNL 1IX-IN-011

1MIS-0354-A

STOP FULL SPEED HALF SPEED

5M3-51C

H C N K L A F

ECA2-18-A SEE NOTE 5

BL R O-BK R-BK G-BK BK O

SSCS LOGIC CAB. 1IX-IR-004-A

MCR J70

SEE DWG 2GW0900-VJ-1

28V DC COM

MCR PNL 13, 1ZI-035E-A

AUTO MANUAL

ESFAS HALF SPEED PWR

REF DWG 5GW1640-IE-08

MON MOO22

REF DWG 5GW0640-IS-17

MON MOO21

REF DWG 5GW0640-IS-17

x3 Y1 Y3 x6 x4

SEE DWG 2GW0900-VJ-1

FULL SPEED J5 HALF SPEED J9

K70A5 K70A4 K70B0 K70B4

ENT B

TB70A1 X1 TB70A2 48V DC COM TB70A3 X3 SHLD GRD

ENT C

SSCS TERMINATION CAB. 1IX-IR-003-A

ECA3 19-A

ECA2-20-A

K70A1 OPEN Z1 K70A2 J6 K70B1 OPEN Z2 K70A8 K70B2

ENT B

120 VAC

FOR CKT DETAILS SEE DETAIL 'A', SHEET 1

BK W ECA3-21-A

PRI CNTMT PEN. 1NI-EPEN-060-A

1W77 1W78

ECA3-22-A

IFSV-038-A

SEE DWG 5GW1640-IC-01

LOG T832 T833

TB1A1 TB1A2 TB1A3 TB1A4 TB1A5 TB1A6

PRI CNTMT PEN. 1NI-EPEN-050

IIC-ECA1-1677 IIC-ECA1-1678

EMB-035C EMB-035K

VI CU CN

1TE-035A 1TE-035B

480V MCC 1E1-A, COMPT H4 1EE-EMCC-5196-A

I2OVAC CONT PWR 5A

H4-3 EFU-035E-A

H4-H3

ECA3-23-A

S1-11 CRF S1-12 T2 S1-19 CRS S1-20 S1-27

ECA3-24-A

PRI CNTMT PEN. 1NI-EPEN-041-A

ISOLATOR

3W28 3W29 3W30

IIC-ECA2-1676-A

PRI CNTMT PEN. 1NI-EPEN-060-A

1W31 1W32

ECA3-25-A

EMB-035B-A

H1 H2 P1 P2

MOT SP HTR

1TS-035A-A 036B-A 035C-A

NOTES:
1. FOR GENERAL NOTES AND REFERENCE DRAWINGS SEE 5GW1740-VJ-01.

PRC APERTURE CARD

Document # 8304050438
Control # 8304050438
Date 3-25-83 of Documents
REGULATORY DOCKET FILE

REV	ECN NO.	DATE	DSGN	DFTG	CHKD	SUPV	CHKR	INSP	SUBMITTED	APPRVD
4	1301	12-7-82	RLT		WLA	JLS				
3	1275	12-15-82			WLA	JLS				
2	51	3-7-80			WLA	JLS				
1	51	2-21-79			WLA					

4 EXCH ISOL TERMS ON CABLE 1VJ-ECA2-17.
3 DELETED ANNUNCIATOR PT. NO. 4344.
2 ADDED SPLICE SYMBOLS TO VARIOUS PENETRATIONS, CHANGED PEN. TERM NO., AND MADE MINOR CHANGES
1 ADDED MONITORING SYS PT NO., TERMINAL NO., REF DWG NO., REMOVED LOCATIONS, AND MADE MINOR REVISIONS PER ECN 51.

DSGN L.A.Hardy
DFTG
CHKD W.L. Ashley
SUPV P.A. Stanley
INSP
ENG MGR W.J. Aldridge

SCALE EXCEPT AS NOTED

GENERAL
UNIT 1

SYSTEM SCHEMATIC REACTOR BLDG AIR CONDITIONING & COOLING SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED W.L. Ashley
RECOMMENDED
APPROVED M Hodges
KNOXVILLE 3-8-18

REVIEWED
ROCIVIL) N/A
REVELEC) N/A
RMMECH) N/A

88 E 5GW1740 VJ-02 R4

RECORD DRAWING AS CONSTRUCTED