88 E 5GWI740-RG-03

1 2 3 4 5 6 7 8 9 10 11 12

A B C D E F G

NOTES:
1. FOR GENERAL NOTES AND REFERENCE DRAWINGS SEE 5GWI740-RG-01.

5GWO640-IS-01 MON MI241 48V DC SHLD GRD 2-09-4 2 3 6
SEAMS ISOLATOR IIS-ISOL-106-B LOCATED IN IIX-IMXA-004B-B
BK W IIS-ECA2-2305-B
480V MCC IE4-B COMPT E3 IEI-EMCC-69E3-B
E3-15 E3-16 EBUF (5GW0747-RP-4) TYP(3BN6C)
480V 3Ø AC AØ BØ CØ 480/120V
EFU1-011A-B (3.5A) OVLD
ECN 518
EBUF R M
ECMS-011-B
T1 T2 T3 E3-13 E3-17 E3-14 E3-11 E3-12
ECA4-26-B ECA3-27-B BK W
DGB EL 629 COL D2-N
MOT 120W EMOT-011-B
GRD BUS F4-N6 15A F4-N7 EFU1-011B-B
MCC 120V AC CONT PWR
480V MCC IE4-B COMPT F4 IEI-EMCC-69F4-B
DG 002-B STARTING AIR CPRSR 011-B, MCMP-011-B

E3-2 E3-6 E3-7 E3-8 E3-4 E3-3 E3-10 E3-9
J1 J2 R G 312A 315 316 317
ECA3-28-B BK W 311
S1 DG 002-B ENG CONT PNL 100-ELCP-3-B DGB EL 629, COL D2-J
H-O-A AUTO ENT C 313 BK
H-O-A HAND 3128 W
IPS-003-B DGB EL 629, COL D2-N NC C CLOSES FOR LOW PRESS. (LOCATED ON AIR RECEIVER MRCR-003-B)
ECA3-33-B
H-O-A, (HAND-OFF-AUTO) (CONTROLS AIR CPRSR NO.1).
H-O-A HAND, OFF
CONT IS PART OF "ANY SW NOT IN AUTO" ANNUNCIATION
REF DELAVAL DWG 09-500-75080 SH 5,7, & 8
ECA3-30-B
L1 L2 REF KAHN & CO DWG 001-129-003, AND STARTING AIR DRYER DESCRIPTION OF OPERATION 1001.2
LOCAL CONT PNL ELCP-3-B DGB EL 629 COL D2-N
S1 DG 002-B STARTING AIR DRYER MDRY-007-B CONTROLS

5GWO640-IS-01 MON MI243 48V DC SHLD GRD 2-10-1 2 3
SEAMS ISOLATOR IIS-ISOL-106-B LOCATED IN IIX-IMXA-004B-B
J3 J4
BK W IIS-ECA2-2306-B
J2-15 J2-16 EBUF (5GW0747-RP-4) TYP. IBN3
J2-2 J2-4
EFU1-013A-B (1.5A) OVLD
480V 3Ø AC AØ BØ CØ 480/120V
ECN 518
EBUF R M
480V MCC IE4-B COMPT J2 IEI-EMCC-69J2-B
ECMS-013-B
T1 T2 T3 J2-6 J2-17 J2-8 J11 J12 S1
ECA4-34-B
AØ BØ CØ DGB EL 629 COL D2-N
MOT 130W EMOT-013-B BK W ECA3-35-B
GRD BUS F4-N8 15A F4-N9 EFU1-013B-B
480V MCC IE4-B COMPT F4 IEI-EMCC-69F4-B
MCC 120V AC CONT PWR
S1 DG 002-B STARTING AIR CPRSR 011-B AFTERCOOLER, MCLR-013-B

PRINTS REQD— DGB SR ✓ PROJ DWG SIZE F H EL 629 COL D2-N
ME EE CE AD CD ED MD SF SW EL PA

5GWO640-IS-01 MON MI242 48V DC SHLD GRD 2-09-7 2 3 6
SEAMS ISOLATOR IIS-ISOL-106-B LOCATED IN IIX-IMXA-004B-B
BK W IIS-ECA2-2307-B
480V MCC IE4-B COMPT E1 IEI-EMCC-69E1-B
E1-15 E1-16 EBUF (5GW0747-RP-4) TYP(3BN6C)
480V 3Ø AC AØ BØ CØ 480/120V
EFU1-012A-B (3.5A) OVLD
ECN 518
EBUF R M
ECMS-012-B
T1 T2 T3 E1-13 E1-17 E1-14 E1-11 E1-12
ECA4-36-B ECA3-37-B BK W
DG BLDG EL 629 COL D2-N
MOT 120W ENOT-012-B
GRD BUS F4-N7 15A F4-N8 EFU1-012B-B
MCC 120V AC CONT PWR
480V MCC IE4-B COMPT F4 IEI-EMCC-69F4-B
DG 002-B STARTING AIR CPRSR 012-B, MCMP-012-B

E1-2 E1-6 E1-7 E1-8 E1-4 E1-3 E1-10 E1-9
J5 J6 R G 392A 395 396 397
ECA3-38-B BK W 391
S1 DG 002-B ENG CONT PNL 100-ELCP-2-B DGB EL 629, COL D2-J
H-O-A AUTO ENT D 393 BK
H-O-A HAND 3928 W
IPS-004-B DGB EL 629, COL D2-N NC CLOSES FOR LOW PRESS. (LOCATED ON AIR RECEIVER MRCR-004-B)
ECA3-42-B
H-O-A (HAND-OFF-AUTO) (CONTROLS AIR CPRSR NO. 2)
H-O-A HAND OFF
CONT IS PART OF "ANY SW NOT IN AUTO" ANNUNCIATION
REF DELAVAL DWG 09-500-75080 SH 5,7, & 8
ECA3-40-B
L1 L2 REF KAHN & CO DWG 001-129-003, AND STARTING AIR DRYER DESCRIPTION OF OPERATION 1001.2
LOCAL CONT PNL ELCP-4-B DGB EL 629 COL D2-N
S1 DG 002-B STARTING AIR DRYER MDRY-008-B CONTROLS

5GWO640-IS-01 MON MI244 48V DC SHLD GRD 2-10-4 5 6
SEAMS ISOLATOR IIS-ISOL-106-B LOCATED IN IIX-IMXA-004B-B
J7 J8
BK W IIS-ECA2-2308-B
J1-15 J1-16 EBUF (5GW0747-RP-4) TYP. IBN3
J1-2 J1-4
EFU1-014A-B (1.5A) OVLD
480V 3Ø AC AØ BØ CØ 480/120V
ECN 518
EBUF R M
480V MCC IE4-B COMPT J1 IEI-EMCC-69J1-B
ECMS-014-B
T1 T2 T3 J1-6 J1-17 J1-8 J15 J16 S1
ECA4-43-B
AØ BØ CØ DG BLDG EL 629 COL D2-N
MOT 120W EMOT-014-B BK W ECA3-44-B
GRD BUS F4-N8 15A F4-N9 EFU1-014B-B
480V MCC IE4-B COMPT F4 IEI-EMCC-69F4-B
MCC 120V AC CONT PWR
S1 DG 002-B STARTING AIR CPRSR 012-B AFTERCOOLER, MCLR-014-B

APERTURE CARD

Docket # 50-438
Control # 8202080064
Date 820202 of Document
REGULATORY DOCKET FILE

REV NO	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBM	RECM	APPR
1	518, S1	1-17-79	GTB	MJ	CSM	Bm	WL	WLJ	RMM		

CHANGED MCC CONT PWR XFMR FUSE SIZE PER ECN 518, ADDED SEAMS, PT NO., SEAMS ISOLATOR INFO, CABLE NO., TERMINAL NO., AND MINOR REVISIONS PER ECN S1.

DSGN E.N.IRWIN
DRWN J.W. JACKSON
CHKD D.M. LASHLEY
SUPV E.D. MASSEY
INSP
ENGINEER W.L. Alldredge

GENERAL
UNIT 1

SYSTEM SCHEMATIC
DSL GEN STARTING AIR (RG)

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

SUBMITTED	RECOMMENDED	APPROVED
W.L. Alldredge	L.L. Hamner	R.M. Richmond

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

KNOXVILLE 11-14-79 | 88 E 5GWI740-RG-03 R1

RECORD DRAWING AS CONSTRUCTED

Q