GENERAL NOTES AND REFERENCES ON 5GW1640-EU-01.

480V SWGR 1EK2-B
1E1-ELV3-9901-B
5GW1740-E1-07
ZONE D8

480V CLASS 1E AC AUXILIARY POWER TRANSFORMER TRANSFER SWITCH 1EK-43-71-B,
1EK-E1L-7139-B 1EK-E1L-713A-B
1EK-EFU3-7139-B 1EK-EFU3-713A-B
MANUAL BREAK-BEFORE-MAKE
MECHANICAL INTERLOCK

1EU-ECA4-23-B
1EU-ECA4-22-B
5GW1640 EU-02 ZONE C10
1EK-52-713A-B 225AF
1EK-52-713B-B 225AF
1EU-ECA4-24-B

1E1-EFU2-8702-B (CLASS RK5) 2 175A
1E1-E05-8702-B 200AF

1E1-EFU3-8704-B (CLASS J) 4 70A
1E1-E05-8704-B 100AF
1EU-ECA4-28-E

600AF 1E1-S2-8701-B

480V SPARE CLASS 1E AC BATTERY CHARGER TRANSFER SWITCH
1EU-43-558-B
1EU-E1L-9588-B 1EU-E1L-9598-B
1EU-EFU2-5588-B 1EU-EFU2-558-B
MANUAL BREAK-BEFORE-MAKE
MECHANICAL INTERLOCK

1EU-EC44-30-B
1EU-52N-55-B 70A
REF: 5GW0747-RP-3 TYP. 7 THO
1EU-52-558A-B 400AF
1EU-52-558B-B 400AF
1EU-ECA4-32-B
1EU-ECA4-31-B
4EU-52EA-58-B 70A
REF: 5GW0747-RP-3 TYP. 7 THO

125V SPARE CLASS 1E BATTERY CHARGER 1EU-EBC-55-S 5BR0625-EU-2
1EU-ECA4-33-S

125V CLASS 1E BATTERY CHARGER 1EU-EBC-51-E
1EU-ECA4-29-E
BKR 1EU-72-514-E
125V CLASS 1E DC DISTR PNL 1EU-EDP-51A-E

MANUAL BREAK-BEFORE-MAKE
MECHANICAL INTERLOCK
1EU-ECA4-37-E
1EU-ECA4-34-G
1EU-72-55AA-S 400AF
1EU-72-55AB-S 400AF
125V SPARE CLASS 1E DC BATTERY CHARGER TRANSFER SWITCH 1EU-43-55A-S,

1EU-ECA4-35-G
125V CLASS 1E BATTERY CHARGER 1EU-EBC-53-G
1EU-ECA4-36-G
BKR 1EU-72-534-G
125V CLASS 1E DC DISTR PNL 1EU-EDP-53A-G

1E1-EFU3-8904-B (CLASS J) 4 70A
1E1-E05-8904-B 100AF

1E1-EFU2-8903-B (CLASS RK5) 2 175A
1E1-E05-8903-B 200AF

480V SWGR 1EK1-B
1E1-ELV3-8901-B
5GW1740-E1-07
ZONE D4

600AF 1E1-S2-8801-B

5GW1640-EU-02 ZONE E1

120V, 1Φ CLASS 1E AC AUXILIARY POWER TRANSFORMER 1EK-ECPT-71-B,
1EU-ECA4-25-B
STATION GRD NOTE 3
BKR 1EK 52-713-B
120V CLASS 1E AC AUXILIARY POWER DISTRIBUTION PANEL 1EK-EDP-71-B

1EU-ECA4-26-E
1E1-EFU3-8703-B (CLASS J) 3 150A
1E1-E05-8703-B 200AF
1E1-EFU3-8705-B (CLASS J) 5 30A
1E1-E05-8705-B 100AF
SPARE
480V AC POWER DISTRIBUTION PANEL 1EI-EDP-87-B, SEE PLAN VIEW A, SH. 1, MK, VRO-1

1E1-EFU3-8905-B (CLASS J) 5 30A
1E1-E05-8905-B 100AF
1E1-EFU3-8903-B (CLASS RK5) 3 30A
1E1-E05-8903-B 100AF
SPARE
480V AC POWER DISTRIBUTION PANEL 1EI-EDP-89-B, SEE PLAN VIEW B, SH. 1, MK, VRO-2

1EU-ECA4-38-G
120V CLASS 1E AC VITAL UNINTERRUPTIBLE POWER SUPPLY 1EJ-EUP5-63-B.
STATION GRD NOTE 3
1EU-ECA4-58-G
XFER SW 1EJ-43-631-G
120V CLASS 1E AC VITAL POWER DISTRIBUTION PANEL 1EJ-EDP-63-B

120V CLASS 1E AC VITAL UNINTERRUPTIBLE POWER SUPPLY 1EJ-EUP5-61-E
1EU-ECA4-27-E
STATION GRD NOTE 3
XFER SW 1EJ-43-611-E
120V CLASS 1E AC VITAL POWER DISTRIBUTION PANEL 1EJ-EDP-61-E

PRC APERTURE CARD

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

COMPANION DRAWINGS:
5GW1640-EU-01 SCHEMATICS
5GW2640-EU-01,02

REVISED	
RC (CIVIL)	N/A
RE (ELEC.)	N/A
RM (MECH.)	N/A
INSPECTED AND APPROVED FOR ISSUE	

REV.	TECH. NO.	DATE	DESIGNED	DRAWN	CHECK	VERIFIED	APPR.	QA	PM	CA
3	SI 7172	1-14-83						N/A	N/A	N/A
INCORPORATED FOR E-2468, REVISED EK XFER SW FUSE & LIGHT UNITS.										
2	1240, SI 7171	1-11-83						N/A	N/A	N/A
REVISED FUSE CLASS, REMOVED LOCATIONS.										
1	SI 7148	1-11-83						N/A	N/A	N/A
ADDED CABLE AND TERMINAL DESIG., INCREASED PK. CAP. REV FUSE CLASS.										

GENERAL
UNIT 1

SCHEMATIC DIAGRAM
125V CLASS 1E DC POWER DISTRIBUTION SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED	RECOMMENDED	APPROVED
M.W. Harmon	L.P. Harrison	R.M. Helms

KNOXVILLE | 3-9-76 | 88 | E | 5GW1640-EU-02

NF RO KI AV R3