INO-IHIS-002-A
HYDROGEN RECIRCULATION FAN

5N3-9A
STOP START
J1 L A N K F

1IX-IW-011
UNIT CONT PNL

G-BK BK O-BK R-BK O

INO-EC42-61-A
REF: 5GW0640-IL-01

1IX-IR-018-A
SSCS LOGIC CAB

MCR
J53

28V DC COM

REF: 2GW0900-NO-1

1517

1IX-IR-017-A
SSCS TERM CAB

SEAMS JUNCTION BOX
(1IX-EJB-6-A
(SEAMS TSOLATOR)
(2EI-ISOL-215-A)
(LOCATED IN 2IX IMXA-002C-A)

5GW0640-IS-48
(5GW0640-IS-01)

MON
M0225
(1-03) 4 5 6

ENT B
UNIT 1
ONLY

RUN
Z01

K5345 K5344

ENT C

T65341 T65342 T65343
XO1 48V DC COM XO3
SHLD GND

T65346 T65347
X06 X08 48V DC COM
SHLD GND

MON
M1279

FOR DETAILS AND REFERENCES REFER TO 5GW0640-IS-23

INO-EC43-65-A
INO-EC42-62-A
INO-EC42-63-A

1IS-EC42-2184-A

1EI-EMCC-61F1-A
480V MCC, 1EI-4

15 16 EBUF
LOSS OF CONT VOLT
A B C
ST
OL1 OL2 OL3
INO-ECMS-002-A
INO-EFU3-002A-A
INO-EFU1-002B-A
OVLD
5GGS SENSOR
5GGS RELAY
52A
SHUNT TRIP
480/120V
EBUF
REF: 5GW0747-RP-4
TYP. 2BP4B
NOJ1
INO-EFU1-002C-A
5A
DB16
DN816
NOJ2
COMPT: H4
1EI-EMCC-61H4-A
120VAC CONT PWR
T1 T2 T3
2 4 COMPT F1 7 6 8

INO-EC43-75-A
INO-EC44-71-A
INO-EC44-72-A
INO-EC43-76-A

LOG T974 LOG T975 LOG T976

TB5C7 TB5C8 TB5C9 TB5C1 TB5C2 TB5C3 TB5D1 TB5D2 TB5D3

IC-ECAI-651
IC-ECAI-652
IC-ECAI-653

IRON-CONSTANTAN

GND
(SEE NOTE 10,18
NOJ1

INO-ITE-002A INO-ITE-002B INO-ITE-002C

T1 T2 T3
MOT
INO-EMOT-002-A

X1 X2
HTR

INO-EJB-012A-A
MOTOR JCT BOX

INO-EMB-002B-A
HEATER JCT BOX

INO-EMB-002C
THERMOCOUPLE JCT BOX

PRI CONTMT PEN INI-EPEN-063-A
PRI CONTMT PEN INI-EPEN-060-A
PRI CONTMT PEN INI-EPEN-049

FOR DETAILS AND REFERENCES REFER TO 5GW1640-IC-01 (5GW2640-IC-01)

INO-EC42-64-A
1IS-EC42-2185-A

PRI CONTMT PEN INI-EPEN-041-A
PRI CONTMT PEN INI-EPEN-040-A

INO-ELTP-2-A
LOCAL TEST PANEL
INO-IHS-002B-A
HYDROGEN RECIRCULATION FAN

MGC-100
(5GB0677-JL-100)

ON OFF
(REF 5GB0677-JL-69) MGC-69
PENDANT

INO-MFAN-002-A
HYDROGEN RECIRCULATION FAN

INO-IHIS-001-B
HYDROGEN RECIRCULATION FAN

5N3-9A
STOP START
J1 L A N K F

1IX-IW-011
UNIT CONT PNL

ENT A

G-BK BK O-BK R-BK O

INO-EC42-66-B
REF: 5GW0640-IL-01

1IX-IS-004-B
SSCS LOGIC CAB

MCR
J20

28V DC COM

REF: 2GW0900-NO-01

1IX-IS-003-B
SSCS TERM CAB

SEAMS JUNCTION BOX
(1IX-EJB-3-B
(SEAMS ISOLATOR)
(21S-ISOL-214-B) (LOCATED IN
21IX-IMXA-001C-B)

5GW0640-IS-48
(5GW0640-IS-01)

MON
M0173
(2-03) 31 32 33

ENT B
UNIT
ONLY

RUN
Z01

K2045 K2044

ENT A

T6C041 T6C042 T6C043
XO1 48V DC COM XO3
SHLD GND

T6C046 T6C048 T6C047
X06 X08 48V DC COM
SHLD GND

MON
M1279

FOR DETAILS AND REFERENCES REFER TO 5GW0640-IS-24

INO-EC44-70-B
INO-EC42-67-B
INO-EC42-68-B

1IS-EC42-2186-B

1EI-EMCC-66K1-B
(2EI-EMCC-66J5-B)
480V MCC, 1EI-8

15 16 EBUF
LOSS OF CONT VOLT
A B C
ST
INO-ECMS-001-B
INO-EFU3-001A-B
INO-EFU1-001B-B
OVLD
5GGS SENSOR
5GGS RELAY
52A
SHUNT TRIP
480/120V
EBUF
REF: 5GW0747-RP-4
TYP. 2BP4B
NOJ1
INO-EFU1-001C-B
5A
(N17N8)
NOJ2
COMP: E4(F4)
1EI-EMCC-66E4-B
(2EI-EMCC-66F4-B)
120VAC CONT PWR
T1 T2 T3
2 4 COMPT K1 (J5) 7 6 8

INO-EC43-77-B
INO-EC44-73-B
INO-EC44-74-B
INO-EC43-78-B

LOG T977 LOG T978 LOG T979

TB5D4 TB5D5 TB5D6 TB5D7 TB5D8 TB5D9 TB5E1 TB5E2 TB5E3

IC-ECAI-654
IC-ECAI-655
IC-ECAI-656

IRON- CONSTANTAN

GND
(SEE NOTE 10,11)
NOJ1

INO-ITE-001A INO-ITE-001B INO-ITE-001C

T1 T2 T3
MOT
INO-EMOT-001-B

X1 X2
HTR

INO-EMB-001A-B
MOTOR JCT BOX

INO-EMB-001B-B
HEATER JCT BOX

INO-EMB-001C
THERMOCOUPLE JCT BOX

PRI CONTMT PEN INI-EPEN-065-B
PRI CONTMT PEN INI-EPEN-066-B
PRI CONTMT PEN INI-EPEN-049

FOR DETAILS AND REFERENCES REFER TO 5GW1640-IC-01 (5GW2640-IC-01)

INO-EC42-69-B
1IS-EC42-2187-B

PRI CONTMT PEN INI-EPEN-044-B
PRI CONTMT PEN INI-EPEN-042-B

INO-ELTP-1-B
LOCAL TEST PANEL
INO-IHS-001B-B
HYDROGEN RECIRCULATION FAN

MGC-100
(5GB0677-JL-100)

ON OFF
(REF 5GB0677-JL-69) MGC-69
PENDANT

INO-MFAN-001-B
HYDROGEN RECIRCULATION FAN

FOR GENERAL NOTES AND REFERENCES REFER TO 5GW0640-NO-01

PRC APERTURE CARD

REV NO.	ECN NO.	DATE	DSGN	DFTR	CHKD	SUPV	ENGR	NSP	CLRK	RECM	APPD
4	1510	11/1/82									
3	SI, 1168	7/31/81									
2	SI	4/26/80									
1	SI, 730	1/15/80									

4 — ADDED SEAMS JB PER ECN 1510.
3 — ADDED THERMOCOUPLE TERMINAL NOS. CHANGED TRAIN A SSCS UNID'S & SLOT.
2 — REVISED PENETRATION TERMINAL NO'S. AND THERMOCOUPLE CABLE NO'S. ADDED SPLICES. MINOR CHANGES.
1 — REVISED THERMOCOUPLE CABLE NO'S AND TERMINATED SHIELDS. CHANGED PENETRATION TERMS. TO SPLICES AND MADE MISC CHANGES.

DESIGN M.W. Eastland
DFTR K.D. Patterson
CHKD C.H. Peterson
SUPV M.W. Johnson
NSP
ENGINEER M.W. Johnson

SCALE EXCEPT AS NOTED

GENERAL
UNITS 1&2

SCHEMATIC DIAGRAM CONTAINMENT COMBUSTIBLE GAS CONTROL SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED	RECOMMENDED	APPROVED
M.W. Johnson	L.P. Spangler	R.M. Gridley

KNOXVILLE 3-6-79

88 E 5GW0640-NO-02 R4

RECORD DRAWING AS CONSTRUCTED

HIS SCCOL DRAWING IS UNDER CONFIGURATION CONTROL

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

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

PRINT H 3
SIZE F 1
BR OR PROJ WR EE CE AD CD ED MD MM PM EL PA