480V AC
3φ 9φ Cφ
TYP: 2AN4a
REF DWG: 5GW0747-RP-4
OVLD
OWG-EFUI-003
480 120V 350 VA
OWG-ECMS-003
T1 T2 T3
Aφ Bφ Cφ
OWG-EC44-55
480V MCC 5XF3
COMPT L2
1ED-EMCC-57L2
L2-6 L2-7 L2-3 L2-4 L2-2
U G W R BK
OWG-ECA3-56
T1 T2 T3
MOT
OWG-EMOT-003
7A 1F 8A 9A 2E
ENABLE CPRSR START
REF DWG: NASH 14-6201, 6202
NITROGEN GAS COMPRESSOR CONT PNL OWG-EMCP-003
ALL CABLE 120V AC
15A 12C 15B 14B 13B 8B 7B 4B 13C 6C 3C 12C 15C 9E 10E 8E 7E 12B
BK W N G O BL W-BK G-BK BL-BK BK-W G-W BK-N O-N BL-N BL-W W-R BK R W
OWG-ECA3-105 (SEE NOTE 5)
OWG-ECA3-106 (SEE NOTE 5)
22 1 5 6 7 8 11 12 13 15 24 25 29 28 34 33 35 36 9
10 WGJ6
14 WGJ7
16 WGJ8
26 WGJ9
30 WGJ10
21 WGJ1
17 WGJ2
20 WGJ3
23 WGJ4
27 WGJ5
REF DWG: NASH 14-6201, 14-6202
VENDOR SUPPLIED TERM. BOX, SKID MOUNTED
OWG-EJB-3

NITROGEN GAS COMPRESSOR,
OWG-MCMP-003

LOCAL WASTE EVAPORATOR
OIX-IXPA-010

NOTE: CABLES 120V AC UNLESS OTHERWISE NOTED
W R ECAI-555
J1 FE CN
ITE-FOI
TTIC-FOI
TBAC-4
-10 -12 -14 -16 -18 -20 -22 -24
BK W R G O BL W-BK R-BK
ECA3-244 (SEE NOTE 5)
SEE 5GW0740-WD-20
J21 J22 J23 J24 J25 J26 J27 J28 J29
-7 -9 -10 -11 -12 -13 -14 -15 -16 -17 -18 -19 -20 -21 -22 -23 -24 -31
REF DWG: B8W 02 24797 NF
WASTE EVAP SKID MOUNTED 120V AC J8 EMCP-0388

REF DWG: B8W 02 24787ND
02 24788 ND
02 24790 ND
02 24783 NE

TBAC-3
-34 -35
BK W
ECA3-246
TB1-93 -96
OPEN ON HIGH WASTE TANK LEVEL
OPEN ON HIGH WASTE TANK HOLD LEVEL
READY
CLOSE
CLOSES ON PERMISSIVE TO RECEIVE DISCH FROM WASTE EVAP
REF DWG B8W 02 24649ND
LIQUID RADWASTE SOLIDIFICATION STATION CONTROL PNL OIX-IXPA-001

CLOSE ON PWR FAILURE
ANN REFLASH
TBAC-4
-33 -34 -35 -36
BK-W W-BK W-W
OIA-ECA2-132
-5 -PC -8 -FC -220 -5
125 V DC
AN WL108
AN WL122
SEE NOTES 10 & 11
(5GW1640-IA-01)
LOCAL ANNUNCIATOR OIA-IXA-024 LOCATED ON LOCAL WDS PNL OIX-IXPA-022

TBAC-1
-32 -33 -34 -35
BK-W Lm W-BK W-W
ECA2-550
-25 -26 -27 -28
CONDUCTIVITY CELL
WASTE EVAP SKID MOUNTED 120VAC J8 EMCP-0388

WASTE EVAP PKG, MEVP-038

(FOR REST OF PACKAGE SEE SHEET 20)

(SEE NOTE 2 THIS SHEET)

NOTES:
1. FOR GENERAL NOTES AND SYMBOLS, SEE 5GW0740-WD-01
2. THE LIQUID RADWASTE SOLIDIFICATION STATION PACKAGE IS SHOWN ON SH 02, 03, 11 THRU 16, 21, 23 THRU 27, 29, 30.

PRC APERTURE CARD

REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBMITTED	APPD
2	SI									
1	SI	2 2A								

ADDED FROM WD REMOVED EL 9 COL 8 MADE MINOR CHANGES
ADDED ANN PT NO. AND CABLE NO., VARIOUS TERM. NO. AND MINOR CHANGES.

DSGN L.D. Light
DRWN D.W. Sanders
CHKD W.R. Holland
SUPV W.L. Adkins
INSP
ENGINEER W.L. Adkins

SCALE: NONE — EXCEPT AS NOTED

GENERAL
UNITS 1 & 2

SYSTEM SCHEMATIC

WASTE DISPOSAL SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

N

SUBMITTED W.L. Adkins
RECOMMENDED L.L. Spangler
APPROVED R.M. Holmes

KNOXVILLE 12-15-78 | 88 E | 5GW0740-WD-21 R2

RECORD DRAWING AS CONSTRUCTED

INSPECTED AND APPROVED FOR ISSUE

Docket # 50-438 50-439
Control # 8304050036
Date 3-25-83
REGULATORY DOCKET FILE