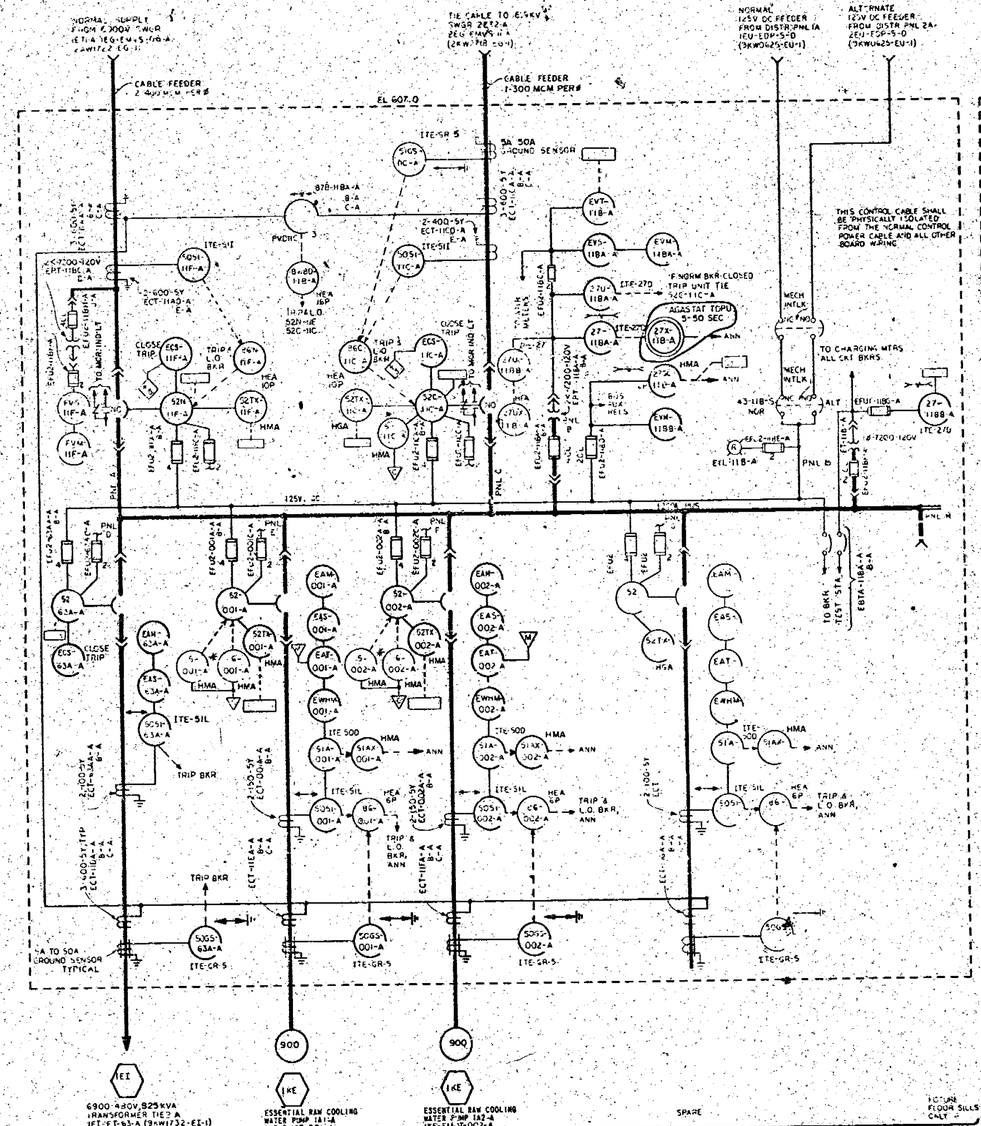
UNID DESIGNATIONS FOR COMPONENTS REV TO IET2A-SWGR

EIL-118-A
EPT-118A A thru D A
ETL 118A K, B A
ET 118-A
EVM-118A-A thru C-A
27DX-118-A
EVS-118A-A, B-A
EVT-118-A
27-118A-A
27-118B-A
52K 118-A
27DC-118B-A
87B-118A-A thru C-A
43-118-S
ERZ-118A-A thru F-A
ECT-118A-A thru C-A
ECT-118CA-A thru C-A
ECT-118DA-A thru C-A
ECT-118EA-A thru F-A
ECT-118FA-A thru F-A
ECT-118GA-A thru C-A
EBTA-118-A
EFU-118-A
EFU-118M-A thru F-A
86BD-118-A

UNID DESIGNATIONS FOR COMPONENTS REV TO IET2B-SWGR

EIL 128-B
EPT-128A-B thru D B
ET-128-B
EVM-128A-B, B-B, C-B
EVS-128A-B, B-B
EVT-128-B
27-128A-B, B-B
52K-128-B
27DC-128-B
87B-128A-B thru D-B
43-128-S
ERZ-128A-A thru B-B
ECT-128A-B thru C-B
ECT-128CA-B thru C-B
ECT-128DA-B thru C-B
ECT-128EA-B thru F-B
ECT-128FA-B thru F-B
ECT-128GA-B thru C-B
27U-128A-B, B-B
EBTA-128A-B, B-B
EFU-128-B
EFU-128M-A thru K-A



REFERENCE DRAWINGS	
2KW717-EG-1	SINGLE LINE 6.9KV SWGR 1ET2-A & 1ET2-B
2KW717-EG-2	SINGLE LINE 480V SWGR
2KW717-EG-3	ELEMENTARY DIAGRAMS
2KW717-EG-5	6.9KV SWGR 1ET2-A & 1ET2-B AC BUS PWR DIST SYS
2KW717-EG-7	6.9KV SWGR 1ET2-A & 1ET2-B AC BUS PWR DIST SYS WITH REL ASSIGNMENT (TYPICAL SCHEMATIC)

SWITCHGEAR MANUFACTURER
S-T-E IMPERIAL CORPORATION
CONTRACT NUMBER TVSK5-95593

SYMBOLS:

- ⊗ — AUX RELAY AND DESPIKING NETWORK IS USED FOR INTERFACE WITH 59GS RELAY COIL IS 125V DC.
- XXX — UNIT & SYSTEM DESIGNATION
- V — INTERFACE WITH REMOTE CONT SYS
- V — REMOTE METER CONNECTION
- — INTERFACE WITH STATUS ENVIRONMENTAL ALARM MONITORING SYSTEM (SEAMS)
- ANN — THIS FUNCTION TO BE MONITORED BY ONE OR MORE ANNUNCIATION OR ALARM SYSTEMS
- (R) — RED INDICATING LIGHT
- (K) — KEY INTERLOCK

NOTES:

1. ALL BREAKERS ARE 1200A CONTINUOUS 500MVA INTERRUPTING, 7200V NOMINAL 50000 AMPERE MOMENTARY 77000 AMPERE CLOSE AND LATCH. THE SWITCHGEAR MAIN BUS RATING IS 1200 AMPERE CONTINUOUS 50000 MOMENTARY, 7200V NOMINAL.
2. EACH DEVICE ASSOCIATED WITH THE SWITCHGEAR BUS AND THE 6.9KV, 3Ø, 3 WIRE, CIRCUIT BREAKERS IS PART OF THE 6.9KV CLASS 1E AC AUXILIARY POWER DISTRIBUTION SYSTEM WITH UNIT AND SYS DESIGNATION 1E. THE DEVICE UNID IS FORMED BY PREFIXING THE DESIGNATIONS SHOWN ON THE DWG WITH IEG EXCEPT AS NOTED. ALL OTHER BKRS WITH THEIR ASSOCIATED DEVICES ARE PART OF THE SYS WHICH THEY SUPPLY. THE UNID IS FORMED BY PREFIXING THE DESIGNATIONS SHOWN ON THE DWG WITH THE UNIT AND SYS DESIGNATION SHOWN IN THE HEXAGON SYMBOL EXCEPT AS NOTED. THE SWGR PNL NO. UNID DESIGNATIONS ARE FORMED AS FOLLOWS USING THE PNL NO. XXX AND THE TRAIN DESIGNATION (T) A OR B: IEG-EMVS11XX-Y
3. THE UNID CODE FOR ALL DIFFERENTIAL CTS IS FORMED BY PREFIXING THE DESIGNATIONS SHOWN ON THIS DWG WITH IEG.
4. RELAYS SHALL BE THE TYPES SHOWN ON THIS DWG.
5. THIS SWGR IS CLASS 1E.

MARK	DESCRIPTION	BY	DATE
3	CHANGED HFA RLY TO TIME DELAY RLY PER ECN 467		
4	ADDED 59HS-1 & 59HS-2 PER ECN 346. CHGD 59GS-1 & 59GS-2 TO 59HS-1 & 59HS-2 PER ECN 346. CHGD HP PER ECN 223. MINOR REVISION PER ECN 51. CHGD 59GS RELAYS TO ITE-GR-S PER ECN 408.		
5	ADDED 59HS-1 & 59HS-2 PER ECN 346. CHGD HP PER ECN 223. MINOR REVISION PER ECN 51. CHGD 59GS RELAYS TO ITE-GR-S PER ECN 408.		

REV NO.	ECN NO.	DATE	ORIGN	DSGN	CHKD	SUPV	CHIEF	TECH	DES MGR	CLN	APPR
0	1153	7-1-74	RJP	RJP	RWW						

DESIGN — R.J. POSTORINO, R.W. WRIGHT
DRAWN — C.W. FEMBLE
CHKD — D.B. REED
SUPV — E.A. SCOTT
INSP —
ENGINEER — M. Boehmer

INTAKE STRUCTURE

UNIT 1

SINGLE LINE

6900V SWITCHGEAR 1ET2-A & 1ET2-B

IEG-EMVS-11-A & IEG-EMVS-12-B

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED	RECOMMENDED	APPROVED
R.M. Hodges	T.S. Worden	E.N. Chandler

KNOXVILLE 1-22-74 | 88 | C | 2KW717-EG-1 | R5

35W717-1

RECORD DRAWING AS CONSTRUCTED

PRC APERTURE CARD

Docket # 50-438 50-439 50536
Control # 8304
Date 3-25-83
of Document
REGULATORY DOCKET FILE

INSPECTED AND APPROVED FOR ISSUE
R.M. Hodges
DESIGN PROJECT MANAGER

FUTURE FLOOR SILLS ONLY

CS3-1
PI-1

PRINTS REQD 5

DWG	SIZE
NE	
EE	
CE	
BD	
CD	
ED	
MD	
SD	
DL	
AD	