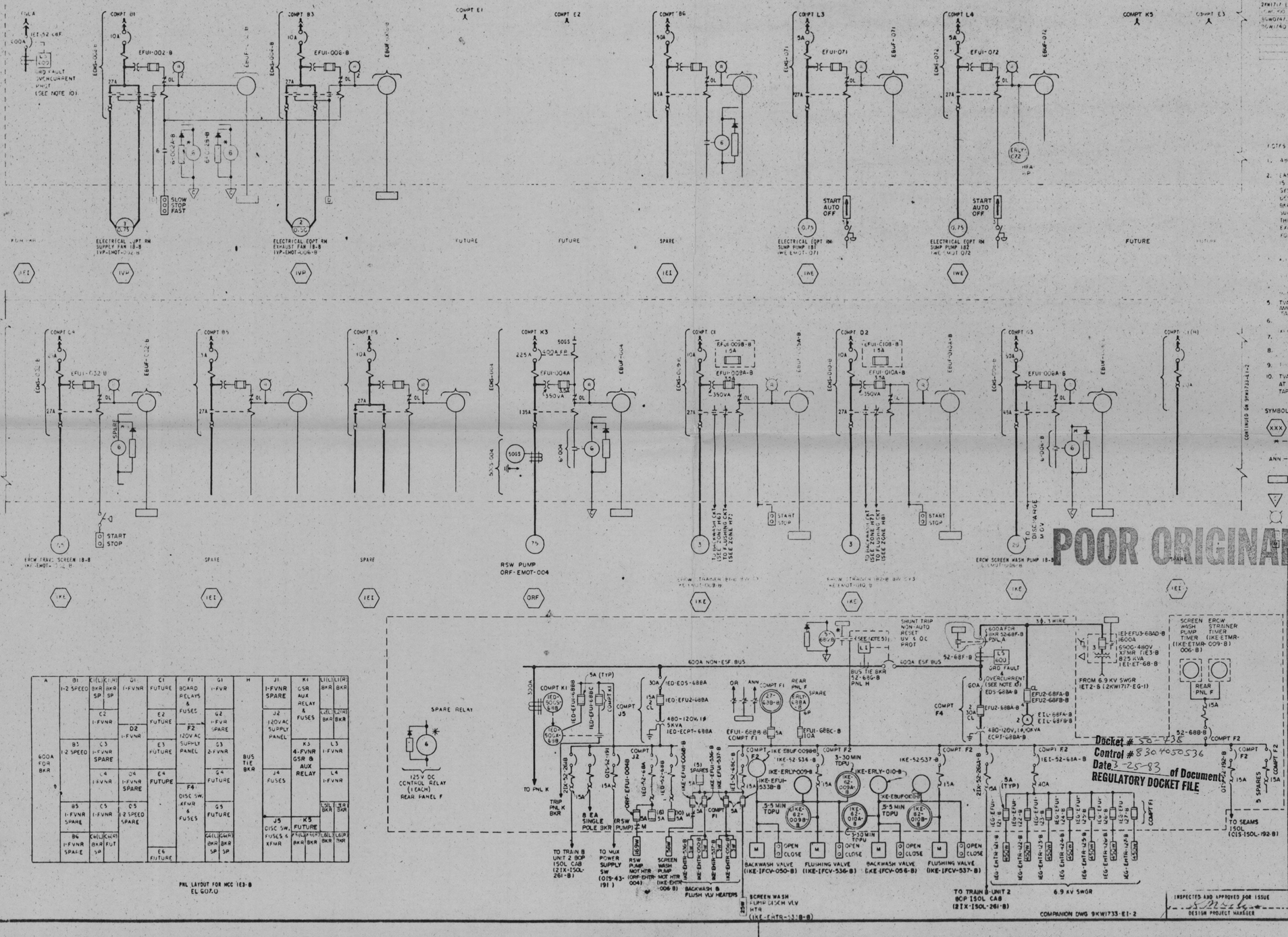
9KW1733-EI-1 | E | 88

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

A B C D E F G



REFERENCE DRAWINGS	
DWG. NO.	TITLE
2WM070-RP-1	PLANT A-C AUX PWR SYSTEM SINGLE LINE
2XW171-EG-1	6.9kV SWGR SINGLE LINE
[illegible]	[illegible]
9KW0747-RP	480V MCC EQPT TYPICAL SCHEMATIC
9KW1740-EE-1	480V MCC CLASS 1E (WITH SYS SCHEMATICS

** = UNIT DESIGNATION

NOTES:

1. 480V MCC [illegible] USED ON CAT [illegible] SYSTEMS.
2. EACH DEVICE ASSOCIATED WITH THE MCC BUS AND THE SUPPLY CKT BKR IS PART OF THE 480V CLASS 1E AUX PWR DISTR SYS WITH UNIT AND SYS DESIGNATIONS 1EI. THE DEVICE UNID IS FORMED BY PREFIXING THE DESIGNATIONS SHOWN ON THE DWG WITH 1EI 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 MCC COMPT NO UNID DESIGNATIONS ARE FORMED AS FOLLOWS USING THE COMPT NO (XX) AND THE MCC NO (YY): 1EI-EMCC-YYXX
3. [illegible]
4. [illegible]
5. TVA FIELD TO SET BUS TIE BKR AMPERE TAP AT 600A. SET LONG TIME PICKUP AT X 3 AMPERE TAP AND TIME DELAY. SET INSTANTANEOUS PICKUP AT X5 AMPERE TAP.
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. TVA FIELD TO SET MAIN FOR BKR AMPERE TAP AT 600A. SET LONG TIME PICKUP AT X1 AMPERE TAP AND MAX DELAY. SET SHORT TIME PICKUP AT X10 AMPERE TAP AND MIN DELAY. SET GROUND PICKUP AT X1 AMPERE TAP AND MIN DELAY.

SYMBOLS

- (XXX) — UNIT AND SYSTEM DESIGNATION
- * — AUX RELAY & DESPIKING NETWORK IS USED FOR INTERFACE WITH SSCS. RELAY COIL IS 125V DC, RESISTOR IS 2K,25W. DIODE IS RATED 75MA, 300V PEAK INVERSE VOLTAGE.
- ANN — THIS FUNCTION TO BE MONITORED BY ONE OR MORE ANNUNCIATION OR ALARM SYSTEMS.
- INTERFACE WITH STATUS ENVIRONMENTAL ALARM MONITORING SYSTEM (SEAMS).
- INTERFACE WITH REMOTE CONTROL SYSTEM
- INDICATING LIGHT; R-RED, A-AMBER
- MOTOR OPERATED DAMPER
- ELEC OPERATED VALVE

CONTINUED ON 9KW1733-EI-2

NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	NSP	SUBM	RECM	APPR
6	11254										
	ECN 362-ADDED CONTACT FOR MAIN FOR UNK POSITION SEAMS INPUT										
	ECN 927-ADDED HEAT TRACE PNLS.										
6	1967										
	ECN 967-ADD CONTROL CIRCUIT FUSES.										
5	7330,5728										
	ECN 729-CHGD TIE BKR TRIP DEVICE. ADDED TRIP SETTINGS TO BKR TRIP DEVICE										
	ECN 5I-DELETED SYMBOL VARIOUS MINOR CHANGES										
	ECN 572-REVISED STRAINER BACKWASH & FLUSHING VALVE CONTROL CIRCUITS.										
4	7253,51										
	ECN 572-REVISED KE STRAINER BACKWASH & FLUSH VLV CIRCUITS. ECN 5I-MINOR REVISIONS										
3	5442,5181,51										
	ECN 442-MOVED RSW PUMP FROM 1E TO NONTIE SIDE OF BUS										
	ECN 518-CHANGED CONTROL FUSE RATINGS. ECN 5I-VARIOUS MINOR CHANGES.										
2	3072,3233,51										
	ECN 307-ADDED FUSES & BLOWN FUSE DETECTION TO XFMR. ECN 323-ADDED BACKWASH & FLUSHING VALVES. ECN 137-ADDED PNL G FOR DISCH MOV & SPARE COMPTS. 5I-MINOR CHGS PER AFRA'S INFO. ECN 324-ADDED HYDRL INV FEED										
1	1										
	ECN 104-DELETED ERCW STR RM UNIT HTRS. ECN 35-ADDED G.N.E.'S; ECN 51-ADDED UNID NOS & OTHER MINOR CHGS. ECN 138-REV LOADS										

DSGN: S. PRIDGES
DRWN: [illegible]
CHKD: M. PERRY
SUPV: J. BLANDFORD
INSP: [illegible]
ENGINEER: [illegible]

INTAKE PUMPING STATION
UNIT 1
SINGLE LINE
480 V MCC 1E3-B
1EI-EMCC-68-B

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED	RECOMMENDED	APPROVED
Robert F. Hewitt	R. H. Hendon	John E. Wallace

KNOXVILLE | 12 20 74 | 88 | E | 9KW1733-EI-1 A3

RECORD DRAWING AS CONSTRUCTED

PRC APERTURE CARD

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

POOR ORIGINAL