9JW1753-ED-1 | 3 | 22

REFERENCE DRAWINGS AND DOCUMENTS	
DWG. NO.	TITLE
2W4720-RP-1	PLANT A-C AUX PWR SYS SINGLE LINE
2TW1728-ED-1	480V PWR DIST (1ED-ELVS-16) SINGLE LINE
2W4720-RP-8	MEM SYS CONTROL AND LOGIC DIAG
9JC1753-ED	INTERNAL CONNECTION SERIES
9JW1747-RP-1	480V MCC COMPT TYPICAL SCHEMATICS
9JC1783 ED	COMPUTERIZED CIRCUIT SCHEDULE

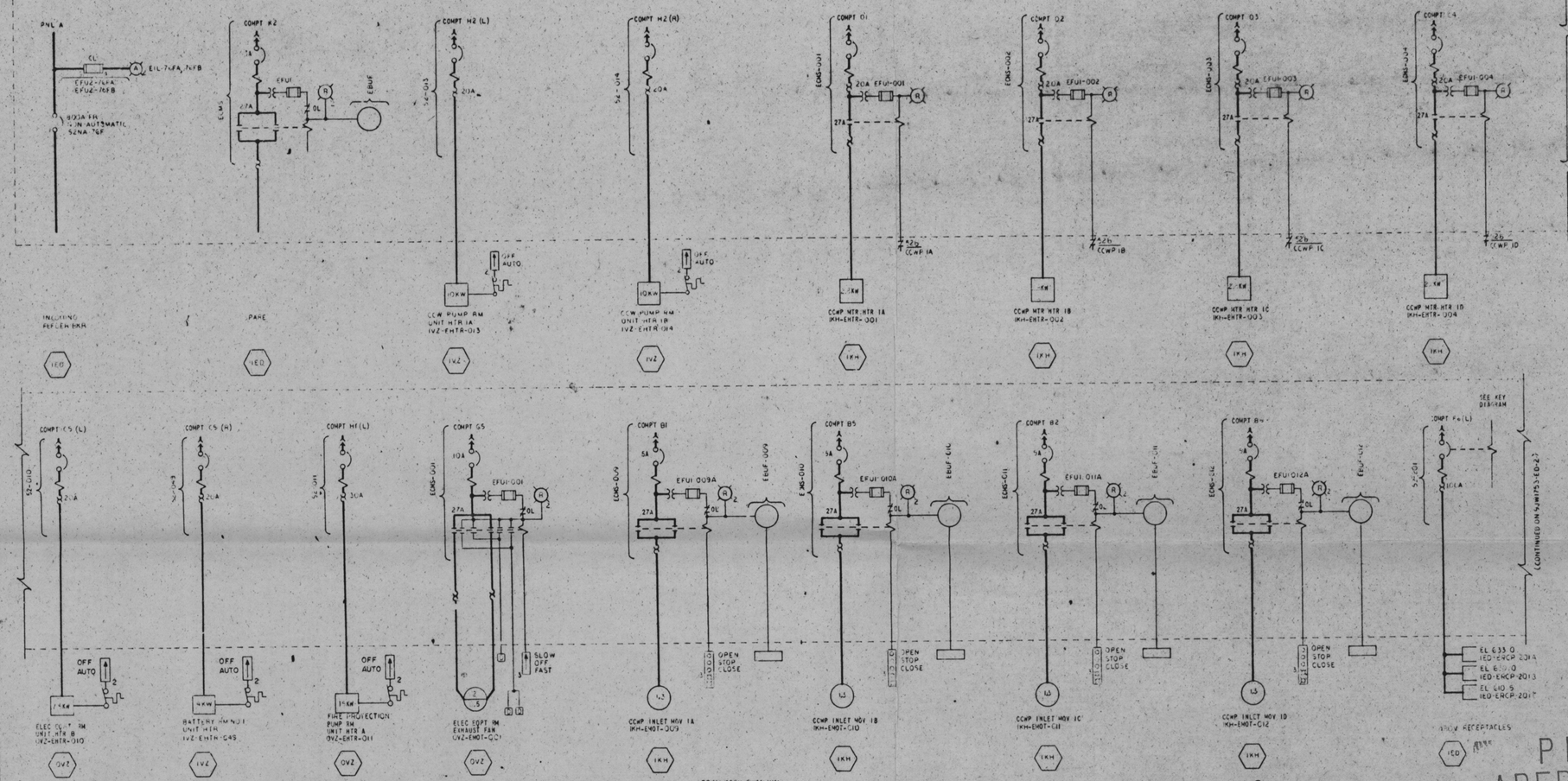
* * SYSTEM DESIGNATION

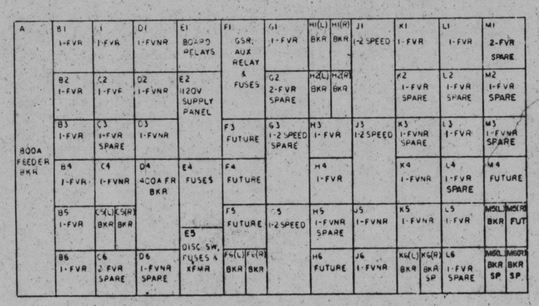
NOTES:

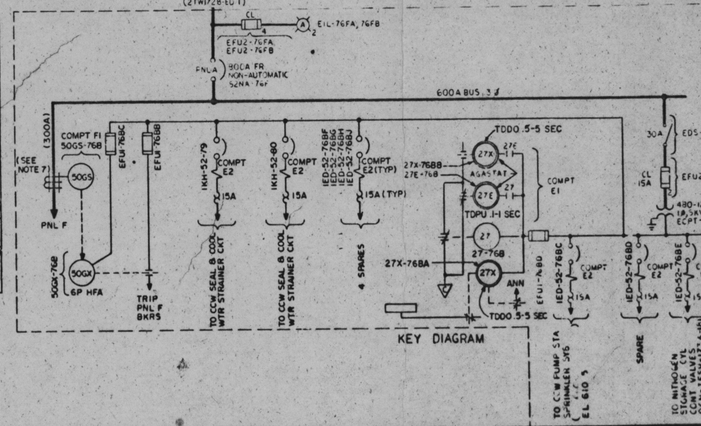
1. 480V MCC PROVIDED ON CONTRACT NO. 7665-36242
2. EACH DEVICE ASSOCIATED WITH THE MCC BUS AND THE SUPPLY CKT BKR IS PART OF THE 480V NON-AC AUX PWR DISTRIBUTION SYS WITH UNIT AND SYS DESIGNATION (ED). THE DEVICE UNID IS FORMED BY PREFIXING THE DESIGNATIONS SHOWN ON THE DWG WITH (ED), EXCEPT AS NOTED. ALL OTHER DRWG 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 BOARD NO (YY) 1ED-EMCC-YYXX.
3. ALL MOLDED CASE CIRCUIT BREAKERS ARE 3-POLE 600V, WITH AN INTERRUPTING RATING OF NOT LESS THAN 25,000 SYMMETRICAL RMS AMPS AT 480V. ALL CIRCUIT BREAKERS SHALL BE 100A FRAME EXCEPT AS NOTED. CIRCUIT BKRS SHOWN WITH SHUNT TRIP COILS REQ A TRIP COIL CAPABLE OF OPERATING AT 55% OF NOM RATED COIL VOLTAGE.
4. ALL COMBINATION MOTOR STARTERS SHALL UTILIZE CKT BREAKERS WITH ADJUSTABLE MAGNETIC TRIP SETTINGS. ALL OTHER CKT BREAKERS SHALL HAVE THERMAL MAGNETIC TRIP. SEE THE MOTOR CONTROL CENTER COMPUTERIZED CIRCUIT SCHEDULE FOR THE ADJUSTABLE MAGNETIC CIRCUIT BREAKER TRIP SETTING.
5. ALL ANNUNCIATOR CONTROL CHANGE TRANSFORMERS ARE 1ED-120V WITH GROUNDED SECONDARY, FUSES REQ TO PROTECT TRANSFORMERS.
6. A 120V REQ INDICATING LIGHT TO BE PROVIDED IN COMPARTMENTS SHOWN AND WILL BE WHALLED WITH STARTER COIL.
7. GROUND FAULT PROTECTION (GFCS) FOR INDIVIDUAL LOADS SHOWN SHALL BE SET TO PICKUP AT APPROXIMATELY 10 AMPS PRIMARY CURRENT WITH NO INTENTIONAL TIME DELAY.
8. MOTOR STARTER AUXILIARY CONTACTS ARE TO BE CONNECTED AS INDICATED ON STARTERS.

SYMBOLS:

- INTERFACE WITH NON-SAFETY RELATED STATUS ANNUNCIATOR MONITORING SYSTEM (BEAMS)
- INTERFACE WITH REMOTE CONTROL SYSTEM
- INDICATING LIGHT, R-RED, A-AMBER
- CONTROL UNIT SUPPLIED BY MFR
- MOTOR OPERATED DAMPER
- UNIT AND SYSTEM DESIGNATION
- ANN — THIS FUNCTION MONITORED BY ONE OR MORE ANNUNCIATION OR ALARM SYSTEMS.
- * — AUX RELAY AND DESPIKING NETWORK IS USED FOR INTERFACE WITH SSCS. RELAY COIL IS 125V DC.







COMP	FUSE	TOPU RELAY
1	1KH-EFU1-110	1KH-62-110
2	1KH-EFU1-111	1KH-62-111
3	1KH-EFU1-112	1KH-62-112
4	1KH-EFU1-113	1KH-62-113

Docket # 50-438
Control # 8301
Date 3-25-83 of Document:
REGULATORY DOCKET FILE

PRC APERTURE CARD

REV NO	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBM	RECM	APPR
6	SI 71	7-ALB	RW	SEE							
	ADD FUSES TO COMPT E4										
5	749,SI				KLR						
	MINOR REV PER SI USED SPARE BKR IN COMPT F6(R) FOR ALUM SLUDGE POND SUMP PUMPS PER ECN 749										
4	334, SI				EMB						
	ADDED RELAY FOR LOSS OF VOLTAGE PER ECN 334, VARIOUS MINOR CHG PER SI.										
3	371,425,SI										
	ECN 371,425-REVISED PANEL LAYOUT PER SI-VARIOUS MINOR CHANGES										
2	TO SI										
	ECN 2230-ADDED 62 TOPU RELAY, ECN 2234-ADDED TYPICAL IND LTS, SI-MINOR CHGS TO CONFORM TO MCC DESIGN CHGS BY MFGR										
1	74 SI										
	CHANGED LOADS PER ECN 1024 INCORPORATED UNID SYS DEN REV PER ECN SI										

DSGN: W.L. PATTISON
DRWN: R. SPENCER
CHKD: J.E. PLANCHARD
SUPV: J.E. PLANCHARD
INSP:
ENGINEER:

CCW PUMPING STATION
UNIT 1

SINGLE LINE
480V MCC SXC1
1ED-EMCC-76

COMPANION DWGS: 9JW1753-ED-2, 3

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

SUBMITTED	RECOMMENDED	APPROVED

KNOXVILLE 2-20-74 | 88 E | 9JW1753-ED-1 R6

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INSPECTED AND APPROVED FOR ISSUE

THIS DRAWING IS UNDER CONFIGURATION CONTROL

RECORD DRAWING AS CONSTRUCTED