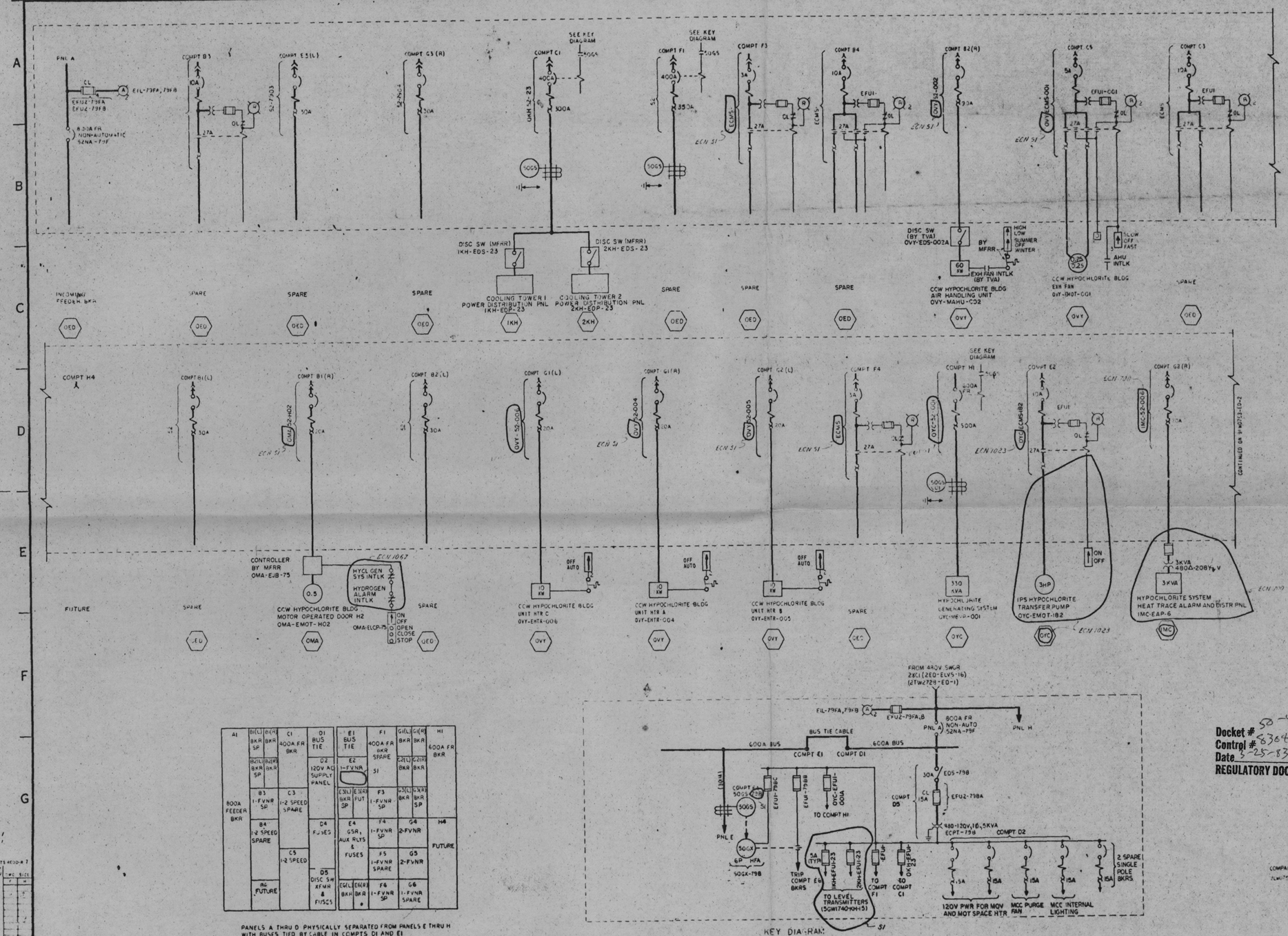
REFERENCE DRAWINGS AND DOCUMENTS	
DWG. NO.	TITLE
2DW0755-RP-1	PRIMT A.C. AUX PWR SYS SINGLE LINE
2TW2729-ED-1	480V MCC AC AUX PWR DISTRIBUTION SYS
3LW2742-EV-1	SCHEMATICS
5LW0749-AP	MCC COMPT. TYPI. AL SCHEMATICS
7LW0740-MC-1	SCHEMATIC
8LW0740-MA-1	SCHEMATIC
9LW0740-ED-1	SCHEMATIC
9LC0763-ED	COMPUTERIZED CIRCUIT SCHEDULE



NOTES:

1. 480V MCC PROVIDED ON CONTRACT NO 76K5-86242.
2. EACH DEVICE ASSOCIATED WITH THE MCC BUS AND THE NORMAL CKT BKRS IS PART OF THE 480V NCR AC AUX PWR DISTRIBUTION SYS WITH UNIT AND SYS DESIGNATED OED. THE DEVICE UNID IS FORMED BY PREFIXING THE DESIGNATIONS SHOWN ON THE DWG WITH OED, 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 DESIGNATIONS SHOWN IN THE HEXAGON SYMBOL, EXCEPT AS NOTE 2. THE MCC COMPT NO/UNID DESIGNATIONS ARE FORMED AS FOLLOWS USING THE COMPT NO (XX) AND THE BOARD NO (YY): OED-EMCC-YXXX
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 ARE EXTRA FRAME EXCEPT AS NOTED. CIRCUIT BKRS SHOWN WITH SHUNT TRIP COILS REQUIRE A TRIP COIL CAPABLE OF OPERATING AT 55% OF THE NORMAL RATED COIL VOLTAGE.
4. ALL COMBINATION MOTOR STARTERS WILL UTILIZE CIRCUIT BREAKERS WITH ADJUSTABLE MAGNETIC TRIP SETTINGS. ALL OTHER CIRCUIT BREAKERS HAVE THERMAL-MAGNETIC TRIP. SEE THE MOTOR CONTROL CENTER COMPUTERIZED CIRCUIT SCHEDULE FOR THE ADJUSTABLE MAGNETIC CIRCUIT BREAKER TRIP SETTING.
5. ALL SINGLE COMPARTMENT CONTROL TRANSFORMERS ARE 10 KVA 480V WITH GROUNDED SECONDARY, FUSES SIZED TO PROTECT THE TRANSFORMERS.
6. A 120V RED INDICATING LIGHT TO BE PROVIDED IN COMPARTMENTS SHUNT AND PARALLELED WITH THE STARTER COIL.
7. GROUND FAULT PROTECTION (50GS) FOR INDIVIDUAL LOADS SHOWN SHALL BE SET TO PICKUP AT APPROXIMATELY 10 AMPS PRIMARY CURRENT WITH NO INTENTIONAL TIME DELAY.

SYMBOLS:

- [D] - - - MOTOR OPERATED DAMPER
- ○ - - - INDICATING LIGHT, R-RED, A-AMBER
- XXX - - UNIT AND SYSTEM DESIGNATION

PRC APERTURE CARD

REV NO	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBM	RECM	APPR	PTM
7	700,1023,1062,1251											
ECN-700 ADDED HEAT TRACE TO THE HYPOCHLORITE SYSTEM ECN-1062 ADDED HYDROGEN ALARM INTERLOCK ON CCW HYPOCHLORITE BLDG MOTOR OPERATED DOOR. ECN-1023 ADDED HYPOCHLORITE TRANSFER PUMP. ECN-1251 MINOR CHANGES												
6	710, 1251											
ECN 710 - CHANGED COOLING TOWER FEED TO PROVIDE ONE FEED FOR BOTH COOLING TOWERS. ECN 1251 - VARIOUS MINOR CHANGES.												
5	621,1251,1319,1419											
PER ECN 1319 ADDED MCC INTERNAL LIGHTING LOAD. ECN-1251 VARIOUS MINOR CHGS. ECN-621 CHANGED BKRS TO MATCH LOAD REQUIREMENT												
4	1419, 1121											
ECN 1419 - INCORPORATED LOAD CHANGES. 1121 - VARIOUS MINOR CHANGES.												
3	1121, 1251											
REVISED FRONT VIEW PER ECN 1121, VARIOUS MINOR REV PER ECN 1251												
2	1121, 1154											
ECN 1154 - INCORPORATED 4KVA RATING & ADDED FNL A WITH 100A FR BKR FOR FEED TO HYPOCHLORITE GENERATING SYS. DELETED 400A FR BKR FROM COMPT E4; 1121 - MINOR CHGS PER ECN 1121												
1	1154, 1251											
INCORPORATED LOAD CHANGES PER ECN 1154; INCORPORATED OHD SYS. GEN REV PER ECN 1251 - VARIOUS.												

STEVEN BRIDGES
DSGN
DRWN
CHKD H. PERRY
SUPV

INSP
ENGINEER

CCW HYPOCHLORITE BLDG
UNITS 1&2

SINGLE LINE
480V MCC SXCL
OED-EMCC-79

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

N

SUBMITTED	RECOMMENDED	APPROVED

KNOXVILLE 12-20-74 88 E 9LW0753-ED-1 87

RECORD DRAWING AS CONSTRUCTED

INSPECTED AND APPROVED FOR ISSUE
DESIGN PROJECT MANAGER

COMPANION DWG: 2LW0753-EE-2

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

THIS DRAWING IS UNDER CONFIGURATION CONTROL

PANELS A THRU D PHYSICALLY SEPARATED FROM PANELS E THRU H WITH BUSES TIED BY CABLE IN COMPTS D1 AND E1