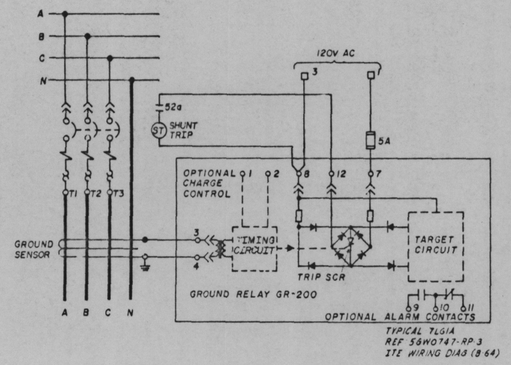
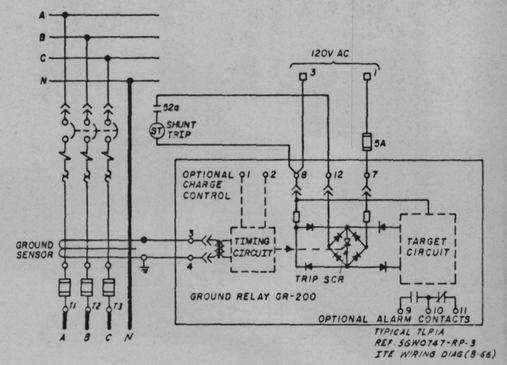


DETAIL 1



DETAIL 2

NOTES SYSTEM EL WIRING DIAGS DOCUMENT ONLY THE FEEDERS AND ASSOCIATED CONTROL CIRCUITS OF THE EL SYSTEM.

1. PORTIONS OF THE WIRING DIAGRAMS ARE SHOWN OUT-OF-FUNCTION. THESE OUT-OF-FUNCTION PORTIONS ARE SHOWN FOR INFORMATION WITH REFERENCES PROVIDED TO THE DOCUMENT WHICH CONTROLS THE EQUIPMENT.
2. SYSTEM JUMPERS ARE FIELD INSTALLED AND ARE SHOWN IN FUNCTION. THESE JUMPERS ARE DESIGNATED "J" PRECEDED BY SYSTEM DESIGNATION. JUMPER DESIGNATIONS ARE FORMED BY PREFIXING THE J NUMBER WITH THE SYSTEM DESIGNATION AND UNID OF THE ENCLOSURE. EXAMPLE: 1ED-EMCC-60-EMJ1
3. ITE WIRING DIAGRAMS SHOWN IN PARENTHESIS ARE PREFIXED BY WD-53893.
4. SEE GOULD/ITE, TVA CONTRACT 76K5-86242 FOR 480V MCC & LTG BD LAYOUT DRAWINGS AND WIRING DIAGRAMS.

REFERENCE DRAWINGS AND DOCUMENTS:

LIGHTING BOARD	CIRCUIT SCHEDULE
LB-1	5TC0769-EL
2	5AC0769-EL
3	5AC0770-EL
5	5TC0770-EL
6	5AC0771-EL
7	5AC0772-EL

MCC	
5XB	5HC0762-ED
1D1	5DC1762-ED
2D1	5DC2762-ED
5XF3	5AC0764-EC

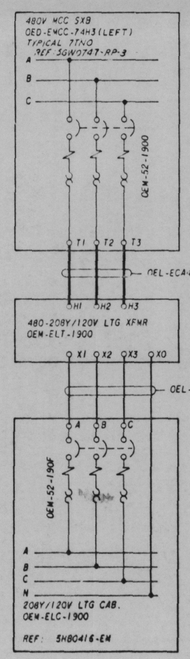
ITE COMPARTMENT WIRING DIAGRAMS	WD-53893
480V MCC COMPARTMENT TYPICAL SCHEMATICS	5GW0747-RP
SEAMS SYSTEM SCHEMATIC	5GW0640-1S
LIGHTING PANEL CIRCUIT SCHEDULE	
WESTINGHOUSE FEEDER BREAKER SCHEMATIC	1245F04
WESTINGHOUSE 1XA CONNECTION DIAGRAM UNIT	E-1245F37
1XA2	C-1245F50
1XA3	D-1245F26
2XA1	E-1245F71
2XA2	D-1245F75
2XA3	E-1245F32

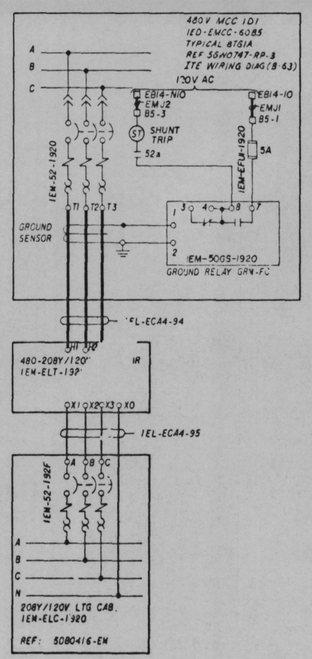
SYMBOLS:
□ 480V MCC AND LTG BD COMPARTMENT TERMINAL

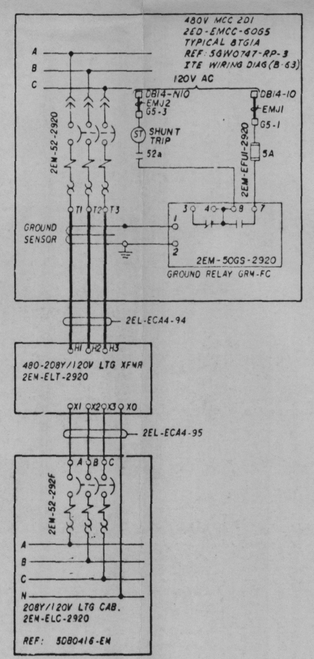
TOC-CELL MOUNTED AUXILIARY SWITCHES ACTUATED BY BREAKER CELL POSITION CONTACTS SHOWN WITH 480V SWGR BREAKER IN THE FULLY CONNECTED POSITION.

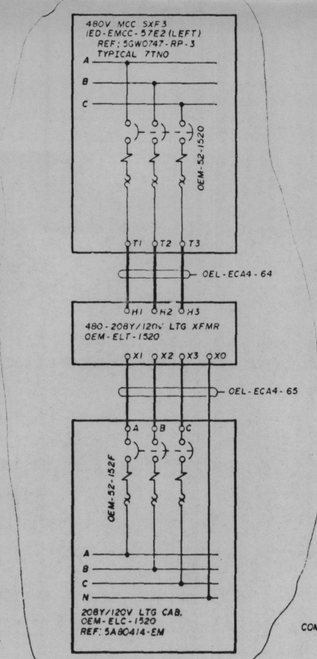
AM XXXX — INTERFACE TO STATUS ENVIRONMENTAL AND ALARM MONITORING SYSTEM (SEAMS)

877
1









COMPANION DRAWINGS 5GW0747-EL-02 THRU 13

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

PRC APERTURE CARD

PRINTS REQD-N		
BR of PROJ.	DWG F	SIZE H
NE		
EE		1
CE		
AD		
CD		
ED		
ND		
BP		
SW		
BL		
PA		

NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBM	RECM	APPR
1	877, S1										

ADDED FEED TO TRANSFORMER 1520 AND LIGHTING CAB. 1520. MADE MINOR CHANGES AND REMOVED EL 8 COL.

DSGN W.B. Thompson — INSP
DRWN W.B. Thompson
CHKD J.C. Ervin — ENGINEER W.L. Alderdyce
SUPV W.M. Dalton

GENERAL
UNIT 1&2

WIRING DIAGRAM NORMAL AC LIGHTING FEEDERS

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

SUBMITTED	RECOMMENDED	APPROVED
W.L. Alderdyce	J.E. Bonner	R.M. Godsey
KNOXVILLE 2-7-78		

INSPECTED AND APPROVED FOR ISSUE
DESIGN PROJECT MANAGER

88 E 5GW0747-EL-01 R1
RECORD DRAWING AS CONSTRUCTED