



- NOTES:
1. LINE BREAKER SELECTOR SWITCHES OXE-437H-50B AND OXE-435B-50C TRANSFER SOLID STATE RELAYS AND BREAKER FAILURE AUXILIARY RELAYS TO SPARE PCB 5064.
 2. RELAYS OXE-218A-50B AND OXE-218B-50C WILL FAST VALVE UNIT 2 AND PREVENT RECLOSING FOR CLOSE IN 3 PHASE FAULTS.
 3. INSTRUMENTS MARKED WITH AN "S" HAVE AN OUTPUT TO THE DATA ACQUISITION TERMINAL.
 4. THE COMPONENT NUMBERS IN PARENTHESES ARE NUMBERS FORMERLY USED AND ARE SHOWN FOR INFORMATION ONLY.
 5. EQUIPMENT MARKED WITH AN "S" IS DESIGNED FOR REMOTE SUPERVISORY CONTROL.
 6. RECEIPT OF CARRIER BLOCKING SIGNAL ON EITHER SET OF SOLID STATE RELAYS WILL PREVENT TRIPPING OF BOTH SETS.
 7. EACH BREAKER AND ITS ASSOCIATED MODS WILL BE TRIPPED WHEN MINIMUM INTERRUPTING PRESSURE OF THE BREAKER IS REACHED.
 8. THE BREAKER FAILURE LOCKOUT RELAY ASSOCIATED WITH EACH BREAKER WILL BE ENERGIZED WHEN THE BREAKER MINIMUM DIELECTRIC PRESSURE IS REACHED AND AT LEAST ONE ISOLATING MOD PHASE IS NOT FULLY OPEN.
 9. WHEN PCB 5038 OR PCB 5038B (WHEN MOD 5035 IS CLOSED) IS TRIPPED EITHER MANUALLY OR BY RELAY TRIPPING, A TRANSFER TRIP SIGNAL IS SENT TO TRIP MILLER PCB.

REFERENCE DRAWINGS:

ZMW500-00-01	DEVELOPMENT SINGLE LINE
ZMW502-00-01	MAIN SINGLE LINE IN SWITCHYARD
ZMW504-XE-02	MAIN SINGLE LINE SH 2 GEN 2L 500KV SWITCHYARD
ZMW504-XE-03	MAIN SINGLE LINE SH 3 GEN 1L 500KV SWITCHYARD

PRC APERTURE CARD

REV	DATE	DESCRIPTION	BY	CHKD
1	11/17/74	ISSUE FOR CONSTRUCTION	J. H. ...	J. H. ...
2	12/10/74	ADD WITH LINE TO MILLER & WIDOWS CREEK 2 LINES, ETC. 218A PER EGN 51	J. H. ...	J. H. ...
3	1/10/75	ADD SOLID STATE RELAYING PER EGN 1172 AND PA 5747 ADD BUS HE CHANGE	J. H. ...	J. H. ...
4	2/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER	J. H. ...	J. H. ...
5	3/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER	J. H. ...	J. H. ...
6	4/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER	J. H. ...	J. H. ...
7	5/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER	J. H. ...	J. H. ...
8	6/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER	J. H. ...	J. H. ...
9	7/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER	J. H. ...	J. H. ...

Docket # 82-438
Control # 830405053L
3-25-83 of Document
REGULATORY DOCKET FILE

SWITCHYARD

WIRING DIAGRAMS
MAIN SINGLE LINE SHEET I
500KV SWITCHYARD

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

SUBMITTED	RECOMMENDED	APPROVED
J. H. ...	T. ...	P. H. ...

KNOXVILLE 6-21-74 88 2MW0504-XE-01 17
STATION NO. 6065

PRINTS RECORD

NO.	DATE	DESCRIPTION
1	7/1/74	ISSUE FOR CONSTRUCTION
2	12/10/74	ADD WITH LINE TO MILLER & WIDOWS CREEK 2 LINES, ETC. 218A PER EGN 51
3	1/10/75	ADD SOLID STATE RELAYING PER EGN 1172 AND PA 5747 ADD BUS HE CHANGE
4	2/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER
5	3/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER
6	4/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER
7	5/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER
8	6/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER
9	7/10/75	ADD TRANS TRIP UNITS & BREAKER POLE DISAGREEMENT RELAY TO MILLER

THIS DRAWING IS UNDER COMMUNICATION CONTROL