



- NOTES:
- EACH 500 KV BREAKER AND ITS ASSOCIATED MOOS WILL BE TRIPPED WHEN MINIMUM INTERRUPTING PRESSURE OF THE BREAKER IS REACHED.
 - INSTRUMENTS MARKED WITH AN \oplus HAVE AN OUTPUT TO THE DATA ACQUISITION TERMINAL.
 - THE GENERATOR LOAD BREAK SWITCH WILL BE USED FOR SYNCHRONIZING. TO TRIP WILL BE SUPERVISED BY LOAD BREAK INTERLOCK RELAY 2TM-50.
 - THE COMPONENT NUMBERS IN PARENTHESES ARE NUMBERS FORMERLY USED AND ARE SHOWN FOR INFORMATION ONLY.
 - SHARE RELAY TRANSFER SWITCH OXE-435B-50F (OXA35) IS SHOWN IN FOUR PARTS.
 - IF A 6.9 OR 13.8KV SWITCHGEAR FEED BREAKER FAILS TO TRIP NORMALLY, THE LOAD BREAK SWITCH, JOFF RELAY AND EXCITER FIELD BREAKER WILL BE TRIPPED AND THE TURBINE STEAM VALVES WILL BE CLOSED VIA 2XU-50B4-2 RELAY 45 SECONDS LATER.
 - EQUIPMENT WITH AN 'S' ARE DESIGNED FOR REMOTE SUPERVISORY CONTROL.
 - INSTRUMENTS MARKED \otimes HAVE AN OUTPUT FOR ANALOG BACKUP TO PSCC.
 - PCB 100R IS SUPERVISORY CONTROLLED ONLY WHEN USED AS A SPIKE LINE BREAKER.
 - EQUIPMENT DESIGNATIONS WHICH BEGIN WITH LOWER CASE LETTERS (G4, RZ, ETC) ARE SHOWN IN BROWN (OVERVIEW) CORPORATION APPARATUS LIST HAS BEEN CHANGED TO CONFORM WITH IEEE-315.
 - 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.
 - INSTRUMENTS MARKED \ominus HAVE AN OUTPUT FOR THE SYSTEM I/O PROCESS COMPUTER.
 - UNIT BREAKER SELECTOR SWITCHES OXE-435B-50E (OXA35) OXE-435B-50F (OXA35) TRANSFER THEIR BREAKER FAILURE AUXILIARY RELAYS TO PCB 500R. THE GENERATOR LOAD BREAK SWITCH WILL LOCK IN EXISTING POSITION WHEN MAXIMUM INTERRUPTING AIR PRESSURE IS REACHED.
 - WHEN THE LOAD BREAK SWITCH TRIPS, THE LOCK OUT RELAY 2TM-50 SHALL BE ELECTRICALLY RESET ALLOWING PCB 500R OR 500B TO AUTOMATICALLY RECLOSE AND MAKE POWER AVAILABLE TO THE AUXILIARY EQUIPMENT BUSES.

REFERENCE DRAWINGS:

DRAWING NO.	TITLE
2MMW500-000	DEVELOPMENT SINGLE LINE
2MMW500-001	MAIN SINGLE LINE 161KV SWITCHYARD
2MMW500-002	MAIN SINGLE LINE 500KV SWITCHYARD
2MMW500-003	MAIN SINGLE LINE 500KV GEN 1 SWITCHYARD

PRC
APERTURE
CARD

REVISIONS:

NO.	DATE	DESCRIPTION
1	11/15/83	REVISED TO REFLECT CHANGES TO THE SYSTEM
2	12/15/83	REVISED TO REFLECT CHANGES TO THE SYSTEM
3	1/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
4	2/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
5	3/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
6	4/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
7	5/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
8	6/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
9	7/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
10	8/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
11	9/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
12	10/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
13	11/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
14	12/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
15	1/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
16	2/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
17	3/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
18	4/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
19	5/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
20	6/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
21	7/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
22	8/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
23	9/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
24	10/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
25	11/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
26	12/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
27	1/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
28	2/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
29	3/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
30	4/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
31	5/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
32	6/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
33	7/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
34	8/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
35	9/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
36	10/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
37	11/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
38	12/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
39	1/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
40	2/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
41	3/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
42	4/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
43	5/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
44	6/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
45	7/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
46	8/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
47	9/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
48	10/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
49	11/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
50	12/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM

SWITCHYARD

REGULATORY DOCKET FILE

MAIN SINGLE LINE SHEET 2

GENERATOR 2 AND 500 KV SWITCHYARD

BELLEVILLE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

ISSUED FOR ISSUE: R.M. Hodges, Jr. (Signature)

APPROVED: J. M. Hodges (Signature)

NOV 1985

STATION NO. 6055

PRINTED ON: 7

NO.	DATE	DESCRIPTION
1	11/15/83	REVISED TO REFLECT CHANGES TO THE SYSTEM
2	12/15/83	REVISED TO REFLECT CHANGES TO THE SYSTEM
3	1/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
4	2/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
5	3/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
6	4/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
7	5/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
8	6/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
9	7/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
10	8/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
11	9/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
12	10/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
13	11/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
14	12/15/84	REVISED TO REFLECT CHANGES TO THE SYSTEM
15	1/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
16	2/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
17	3/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
18	4/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
19	5/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
20	6/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
21	7/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
22	8/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
23	9/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
24	10/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
25	11/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
26	12/15/85	REVISED TO REFLECT CHANGES TO THE SYSTEM
27	1/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
28	2/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
29	3/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
30	4/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
31	5/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
32	6/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
33	7/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
34	8/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
35	9/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
36	10/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
37	11/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
38	12/15/86	REVISED TO REFLECT CHANGES TO THE SYSTEM
39	1/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
40	2/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
41	3/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
42	4/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
43	5/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
44	6/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
45	7/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
46	8/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
47	9/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
48	10/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
49	11/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM
50	12/15/87	REVISED TO REFLECT CHANGES TO THE SYSTEM

THIS DRAWING IS UNDER