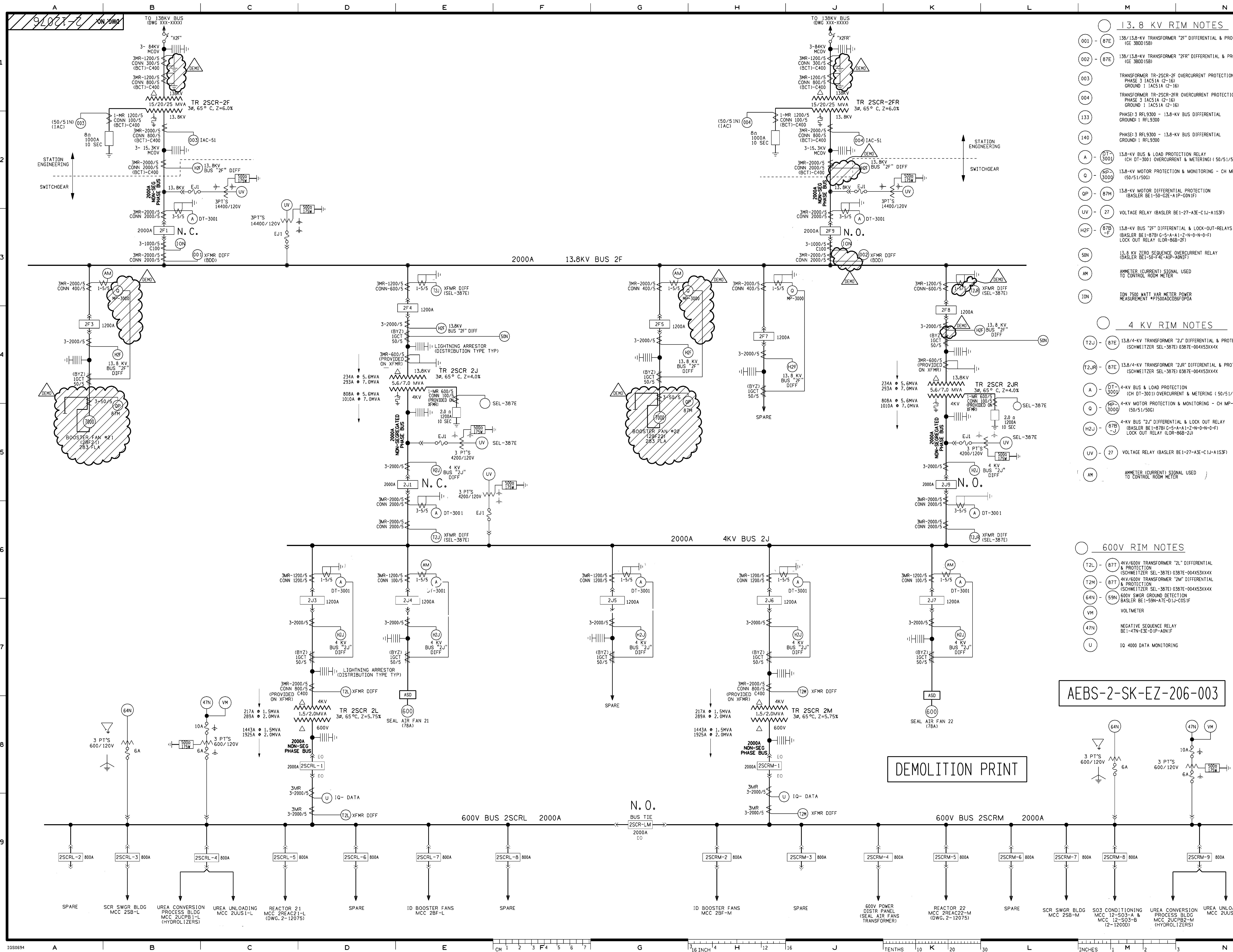




- ### 13.8 KV RIM NOTES
- 001 - (87E) 138/13.8-KV TRANSFORMER "2F" DIFFERENTIAL & PROTECTION (GE 380015B)
 - 002 - (87E) 138/13.8-KV TRANSFORMER "2FR" DIFFERENTIAL & PROTECTION (GE 380015B)
 - 003 TRANSFORMER TR-2SCR-2F OVERCURRENT PROTECTION PHASE 3 (ACS1A (2-16) GROUND 1 IAC51A (2-16)
 - 004 TRANSFORMER TR-2SCR-2FR OVERCURRENT PROTECTION PHASE 3 (ACS1A (2-16) GROUND 1 IAC51A (2-16)
 - 133 PHASE 3 RFL9300 - 13.8-KV BUS DIFFERENTIAL GROUND 1 RFL9300
 - 140 PHASE 3 RFL9300 - 13.8-KV BUS DIFFERENTIAL GROUND 1 RFL9300
 - A - (DT-3001) 13.8-KV BUS & LOAD PROTECTION RELAY (CH DT-3001 OVERCURRENT & METERING) (50/51/50G/51N)
 - Q - (MP-3000) 13.8-KV MOTOR PROTECTION & MONITORING - CH MP-3000 (50/51/50G)
 - QP - (87M) 13.8-KV MOTOR DIFFERENTIAL PROTECTION (BASLER BE1-50-EE-A1P-COVIF)
 - UV - (27) VOLTAGE RELAY (BASLER BE1-27-A3E-C1J-A1S3F)
 - H2F - (87B-F) 13.8-KV BUS "2F" DIFFERENTIAL & LOCK-OUT-RELAYS (87B-2F) (BASLER BE1-87B-C-5-A-A1-2-N-0-N-0-F) LOCK OUT RELAY (LOR-86B-2F)
 - 50N 13.8 KV ZERO SEQUENCE OVERCURRENT RELAY (BASLER BE1-50-FAE-AD-ANIF)
 - AM AMMETER (CURRENT) SIGNAL USED TO CONTROL ROOM METER
 - 10N 10N 7500 WATT VAR METER POWER MEASUREMENT #P7500A00C08F0P0A

- ### 4 KV RIM NOTES
- T2J - (87E) 13.8/4-KV TRANSFORMER "2J" DIFFERENTIAL & PROTECTION (SCHWEITZER SEL-387E 0387E-004X5XXX4X)
 - T2JR - (87E) 13.8/4-KV TRANSFORMER "2JR" DIFFERENTIAL & PROTECTION (SCHWEITZER SEL-387E 0387E-004X5XXX4X)
 - A - (DT-3001) 4-KV BUS & LOAD PROTECTION (CH DT-3001) OVERCURRENT & METERING (50/51/50G/51N)
 - Q - (MP-3000) 4-KV MOTOR PROTECTION & MONITORING - CH MP-3000 (50/51/50G)
 - H2J - (87B-J) 4-KV BUS "2J" DIFFERENTIAL & LOCK OUT RELAY (BASLER BE1-87B-C-5-A-A1-2-N-0-N-0-F) LOCK OUT RELAY (LOR-86B-2J)
 - UV - (27) VOLTAGE RELAY (BASLER BE1-27-A3E-C1J-A1S3F)
 - AM AMMETER (CURRENT) SIGNAL USED TO CONTROL ROOM METER

- ### 600V RIM NOTES
- T2L - (87T) 4KV/600V TRANSFORMER "2L" DIFFERENTIAL & PROTECTION (SCHWEITZER SEL-387E 0387E-004X5XXX4X)
 - T2M - (87T) 4KV/600V TRANSFORMER "2M" DIFFERENTIAL & PROTECTION (SCHWEITZER SEL-387E 0387E-004X5XXX4X)
 - 64N - (59N) 600V SWGR GROUND DETECTION BASLER BE1-59N-A7E-D1J-COSIF
 - VM VOLTMETER
 - 47N NEGATIVE SEQUENCE RELAY BE1-47N-E3E-D1P-ANIF
 - U 10 4000 DATA MONITORING

AEBS-2-SK-EZ-206-003

DEMOLITION PRINT

- ### 13.8KV NOTES
- ALL 13.8KV BREAKERS ARE 1200A, 1000MVA UNLESS OTHERWISE NOTED.
 - SWITCHGEAR BUS RATING AT 2000A.
 - 13.8KV NON-SEGREGATED PHASE BUS RATING AT 2000A (MAIN).
 - 000 NUMBERED BREAKERS ARE LOCATED IN UPPER COMPARTMENTS. EVEN NUMBERED BREAKERS ARE IN LOWER COMPARTMENTS.
 - # DENOTES DEVICES NOT LOCATED ON SWITCHGEAR.
 - ALL SOURCE, TRANSFORMER FEED AND STARTER BUS FEED BREAKERS SHALL HAVE THREE (PHASE 1, 2 & 3) CURRENT TRANSFORMERS AND TERMINALS FOR 3 REMOTE AM'S.
 - EACH BUS SHALL HAVE THREE (PHASE 1, 2 & 3) VOLTAGE TRANSFORMERS, VOLTMETERS AND TERMINALS FOR 3 REMOTE VM'S.
- ### 4 KV NOTES
- ALL 4.16KV BREAKERS ARE 1200A, 250MVA UNLESS OTHERWISE NOTED.
 - SWITCHGEAR BUS RATING - 2000A.
 - 000 NUMBERED BREAKERS ARE LOCATED IN UPPER COMPARTMENT. EVEN NUMBERED BREAKERS ARE IN LOWER COMPARTMENT.
 - # DENOTES DEVICES NOT LOCATED ON SWITCHGEAR.
 - ALL BUSES PT COMPT. DOOR SHALL HAVE MOUNTED UV, RELAYS, VOLTMETER & SW. INCLUDES:
 - ELECTRONIC C. RELAYS AS QUOTED BY MANUFACTURE OR AS SPECIFIED BY OWNER
 - ALL SOURCE, TRANSFORMER FEED AND STARTER BUS FEED BREAKERS SHALL HAVE THREE (PHASE 1, 2 & 3) CURRENT TRANSFORMERS & TERMINALS FOR 3 REMOTE AM'S.
 - EACH BUS SHALL HAVE THREE (PHASE 1, 2 & 3) VOLTAGE TRANSFORMERS, VOLTMETERS AND TERMINALS FOR 3 REMOTE VM'S.
- ### 600V NOTES
- ALL 600V BREAKERS ARE 800A UNLESS OTHERWISE NOTED.
 - SWITCHGEAR BUSES RATED AT 2000A.
 - # DENOTES DEVICES NOT LOCATED ON THE SWITCHGEAR.
 - AIR (CIRCUIT) BREAKER DESCRIPTION

NO.	REVISION	DATE	BY	CHKD
1	GENERAL REVISIONS			
2	ADDED S03 CONDITIONING SYS. & BODY SWGR BKR FEEDERS			
3	GENERAL REVISIONS			
4	GENERAL REVISIONS			
5	GENERAL REVISIONS			
6	GENERAL REVISIONS			
7	GENERAL REVISIONS			
8	REMOVED AUX CT FROM NEUTRAL GROUNDING RESISTOR			
9	REVISED 600V LOADS			
10	ISSUED FOR CONSTRUCTION			

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KENTUCKY POWER COMPANY
BIG SANDY PLANT
BIG SANDY KENTUCKY

SCR PROJECT
AUX ONE LINE
UNIT 2

DWG. NO. 2-12076-7

DESIGNER	SCR ENGINEERING & DESIGN
CHECKED	
APPROVED	
DATE	12/21/01

ORIGINAL SIGNED BY: J. M. HILL

FOR AMERICAN ELECTRIC POWER SERVICE CORP. UNIVERSITY PLAZA COLUMBUS, OH 43260

SYSTEM DATE: 18 MAR 2003
SYSTEM TIME: 13:59:24