

2-121007-2 ON 9MG

NOTES:

1. DCS ANALOG INPUTS 4-20mA.
2. MCC CONNECTED MOTORS WITH DCS CURRENT MONITORING USE RILEY CORPORATION AC CURRENT SENSOR MODEL #401 BELOW 50HP AND MODEL #420L FOR 60 HP AND ABOVE.
3. ALL 480V MCC MOTOR STARTER ARE CONTROLLED FROM DCS ONLY.
4. TAG NUMBERS AND BUS NUMBERS ON HOLD

LEGEND:

ADCR	AMP TRANSDUCER
AM	AMMETER
64	BASLER BEI-59N
VDCR	VOLTAGE TRANSDUCER

REFERENCES:

- 2-121000 ELEC FGD PROJECT ONLINE DIAGRAM LEGEND
2-121003 ELECTRICAL UNIT 2 FGD SWGR 3C 13.8KV AUX ONLINE DIAGRAM
2-121006 ELECTRICAL UNIT 2 SWGR 41A 480V AUX ONLINE DIAGRAM

REISSUED - INCORPORATE LATEST DIRECTION FROM AEP

REISSUE-INCORPORATE CLIENT'S COMMENTS AND REVISED LOADS

ISSUED FOR COMMENTS

REV DATE DRAWN CHECKED DESIGNED ENGINEER/TECH SPECIALIST PROJECT ENGINEER/TECH SPECIALIST PROJECT MANAGER

REVISIONS

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KENTUCKY POWER COMPANY
BIG SANDY PLANT
BIG SANDY KENTUCKY

ELECTRICAL
UNIT 2 FGD SWGR BUS 41B
480V AUX ONE LINE DIAGRAM

DWG. NO. 2-121007-C

ELECTRICAL & CONTROLS ENGINEERING DIV.

SCALE: 1"=12'-0" DOCUMENT PREPARED BY PARSONS ESC

AEP AMERICAN ELECTRIC POWER AEP SERVICE CORP 1 RIVERSIDE PLAZA COLUMBUS, OH 43215

WorleyParsons resources & energy	
PRELIMINARY STATUS	DATE
LDE YR. TAMAYO	12/09/05
APPROVED STATUS	DATE
LDE	
ORIGINATING PERSONNEL	PROFESSIONAL ENGINEER'S SEAL
DRAWN BY BM TATE	
CHECKED BY	
LEAD DESIGNER KR BIBER	
ENGINEER/TECH SPECIALIST DA MILLER	
PROJECT ENGINEERING MANAGER SF CASTLE	
PROJECT MANAGER SJ PIEKOS	

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PE: _____ STATES: _____
LIC. NO.: _____ DATE: _____

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SYSTEM TIME=HOUR-MINUTE

