

900121-2 ON 9MG

NOTES:

1. DCS ANALOG INPUTS 4-20mA.
2. MCC CONNECTED MOTORS WITH DCS CURRENT MONITORING USE RILEY CORPORATION AC CURRENT SENSOR MODEL #420 BELOW 60HP 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
VOCR VOLTAGE TRANSDUCER

REFERENCES:

- 2-121000 ELEC FGD PROJECT ONLINE DIAGRAM LEGEND
2-121007 ELECTRICAL UNIT 2 FGD SWGR 418 480V AUX ONLINE DIAGRAM
2-121013 ELECTRICAL UNIT 2 FGD/SCR SWGR 2P 15.8KV AUX ONLINE DIAGRAM

REISSUE - INCORPORATE LATEST DIRECTION FROM AEP

REISSUE-INCORPORATE CLIENT'S COMMENTS AND REVISED LOADS.

PRELIMINARY- FOR COMMENTS

REV	DATE	DRAWN	CHECKED	DESIGNER	ENGINEER/TECH SPEC	HEAD DESIG	PROJECT MANAGER
A	12/09/05	BMT		KRB	DAM	YRT	SJP
B	02/13/06	BMT		KRB	DAM		SJP

REVISIONS

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KENTUCKY POWER COMPANY
BIG SANDY PLANT
BIG SANDY KENTUCKY

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

DWG. NO. 2-121006-C

SCALE:	ELECTRICAL & CONTROLS ENGINEERING DIV.
DR:	
CHK:	
SUPV:	DOCUMENT PREPARED BY PARSONS ESC
ENGR:	
DATE:	

AEP SERVICE CORP.
1 RIVERSIDE PLAZA
COLUMBUS, OH 43215

WorleyParsons
resources & energy

PRELIMINARY STATUS	DATE	REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.
LDE YR TAMAYO	12/09/05	
APPROVED STATUS	DATE	REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
LDE		
ORIGINATING PERSONNEL	PROFESSIONAL ENGINEER'S SEAL	
DRAWN BY BM TATE		
CHECKED BY		
LEAD DESIGNER KR BIEBER		
ENGINEER/TECH SPECIALIST DA MILLER		
PROJECT ENGINEERING MANAGER SF CASTLE		
PROJECT MANAGER SJ PIEKOS		

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE: _____ STATE: _____
LIC. NO.: _____ DATE: _____

DWG-FILE: 2-121006.dgn
DWG-DATE: 30-Nov-05 13:27

SYSTEM DATE=DD-MMM-YY
SYSTEM TIME=HH:MM:SS