

600121-2 ON 9MG

NOTES:

1. DCS ANALOG INPUTS 4-20mA.
2. MCC CONNECTED MOTORS WITH DCS CURRENT MONITORING USE RILEY CORPORATION AC CURRENT SENSOR MODEL #400 BELOW SWMP 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
5. THIS BREAKER IS ELECTRICALLY INTERLOCKED WITH THE PRIMARY FEEDER BREAKER IN BUS 42A.

LEGEND:

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

REFERENCES:

- 2-121000 ELEC FGD PROJECT ONELINE DIAGRAM LEGEND
2-121003 ELECTRICAL UNIT 2 FGD SWGR 3C 13.8KV AUX ONELINE DIAGRAM
2-121008 ELECTRICAL UNIT 2 SWGR 42A 480V AUX ONELINE DIAGRAM

REISSUE-INCORPORATE LATEST DIRECTION FROM AEP					
C	03/02/06	BMT	KRB	DAM	SFC SLP
REISSUE-INCORPORATE CLIENT COMMENTS, REVISED LOADS, MADE BUS 43B SINGLE ENDED SWGR.					
B	02/13/06	BMT	KRB	DAM	SJP FGN
PRELIMINARY- FOR COMMENTS					
A	12/09/05	BMT	KRB	DAM	YRT SJP FGN
REV	DATE	DRAWN	CHECKED	DESIGNED	ENGINEER/TECH SPEC
DATE	NO.	DESCRIPTION	DATE	DATE	DATE
REVISIONS					
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WorleyParsons resources & energy		KENTUCKY POWER COMPANY BIG SANDY PLANT	
PRELIMINARY STATUS DATE 12/09/05 LDE YR. TAMAYO APPROVED STATUS DATE 12/09/05 LDE		REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED. REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.	
ORIGINATING PERSONNEL DRAWN BY BM TATE CHECKED BY LEAD DESIGNER KR BIEBER ENGINEER/TECH SPECIALIST DA MILLER PROJECT ENGINEERING MANAGER SF CASTLE PROJECT MANAGER SL PIEKOS		PROFESSIONAL ENGINEER'S SEAL	
ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF PE: NO. 1 DATE: 12/09/05 LIC. NO. 1 DATE: 12/09/05		ELECTRICAL & CONTROLS ENGINEERING DIV. DOCUMENT PREPARED BY PARSONS ESC AEP SERVICE CORP. 1 RIVERSIDE PLAZA COLUMBUS, OH 43215	

DWG-FILE: 2-121011.dgn
DWG-DATE: 29-Nov-05 07:08

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