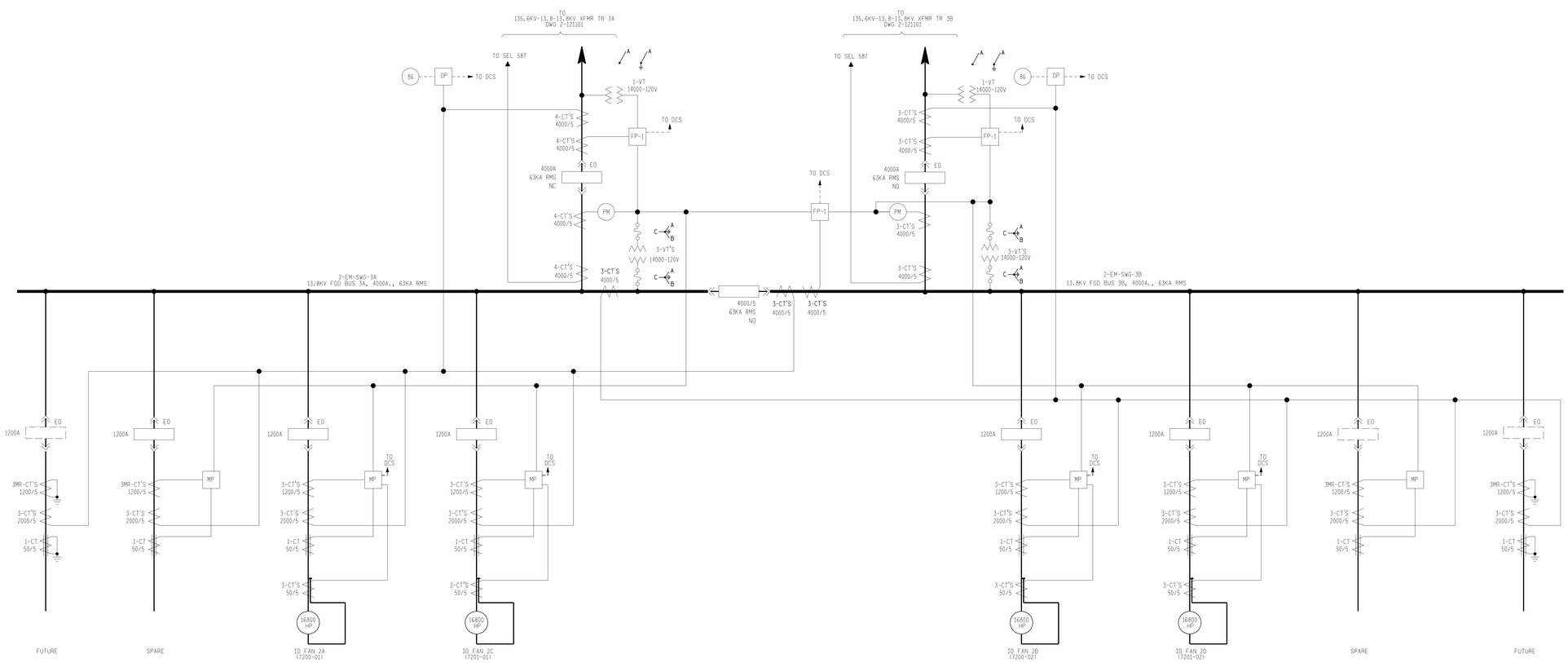
DWG. NO. 2-121002



NOTES:

1. DCS ANALOG INPUTS 4-20mA.
2. TAG NUMBERS AND BUS NUMBERS ON HOLD.

LEGEND:

FP-1	SELECTIVE RELAY TYPE FP-1 IS GE SR-750 PROTECTIVE TRIPS USED: 27, 51, 51N, 59.
MP	SELECTIVE RELAY TYPE MP IS GE SR-489 PROTECTIVE TRIPS USED: 37, 46, 49, 50, 50GS, 51, 87.
DP	SELECTIVE RELAY TYPE DP IS SEL-587Z PROTECTIVE TRIPS USED: 87.

REFERENCE:

2-121000 ELEC FGD PROJECT ONELINE DIAGRAM LEGEND
2-121101 FGD/SCR SUBSTATION ONELINE

REV	DATE	DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/ TECH SPEC	LEAD DISC ENGINEER	PROJ ENGR MANAGER	PROJECT MANAGER
REISSUE - INCORPORATE LASEST DIRECTION FROM AEP								
C	03/03/06	SSC		KRB	YRT		SFC	SLP
REISSUE - FOR COMMENTS REDESIGNED ELECTRICAL SYSTEM FOR LARGER ID FAN MOTORS								
B	02/13/06	BMT		KRB	YRT		SJP	FGN
PRELIMINARY-FOR COMMENTS								
A	12/09/05	BMT		KRB	YRT	YRT	SJP	FGN

DATE	NO.	DESCRIPTION	APPD.

REVISIONS

"THIS DRAWING IS THE PROPERTY OF THE **AEP ENERGY SERVICES, INC.**; IT IS SUBMITTED IN CONFIDENCE AND IS TO BE USED SOLELY FOR THE PURPOSES FOR WHICH IT IS FURNISHED. THIS DRAWING AND SUCH INFORMATION IS NOT TO BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT THE WRITTEN AUTHORIZATION **AEP ENERGY SERVICES, INC.**

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: YR TAMAYO	
PROJECT ENGINEERING MANAGER: SF CASTLE	
PROJECT MANAGER: SJ PIEKOS	ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF PE:_____ STATE:_____ LIC. NO.:_____ DATE:_____

KENTUCKY POWER COMPANY

BIG SANDY PLANT

BIG SANDY — KENTUCKY

ELECTRICAL

UNIT 2 FGD SWGR 3A & 3B

13.8KV AUX. ONE LINE DIAGRAM

DWG. NO. 2-121002-C

SCALE:
DR:
CH:
DATE:
APPROVED BY

DOCUMENT PREPARED BY PARSONS E&C

AEP ENERGY SERVICES

AEP ENERGY SERVICES, INC.
1 RIVERSIDE PLAZA
COLUMBUS, OH 43215
AEP.COM 614-716-1000

PE&C-FILE: 5-121002.dgn
PE&C-DATE: 15-Aug-05 08:25

SYSTEM DATE-DD-MMM-YYYY
SYSTEM TIME-HOUR:MINUTE

IGS0694