DWG. NO. 2-517000

| DRAWING INDEX | | |
|---|---|---|
| DRAWING NUMBER | SYSTEM NAME | SYSTEM IDENTIFIER |
| 2-517000 | STANDARD SYMBOLS | |
| 2-517000A | STANDARD SYMBOLS | |
| 2-517000B | STANDARD SYMBOLS | |
| 2-517000C | STANDARD SYMBOLS | |
| 2-517000D | STANDARD SYMBOLS | |
| 2-517000E | STANDARD SYMBOLS | |
| 2-517001 | FGD RIVER WATER SUPPLY | RW |
| 2-517001A | FGD RIVER WATER MISCELLANEOUS USERS | RW |
| 2-517002 | EMERGENCY QUENCH | ZQ |
| 2-517003 | PLANT AIR SYSTEM | PA |
| 2-517003A | PLANT AIR SYSTEM | PA |
| 2-517004 | INSTRUMENT AIR SYSTEM | IA |
| 2-517005 | POTABLE WATER SYSTEM | PW |
| 2-517006 | SANITARY DRAINS | SN |
| 2-517007 | STATION DRAINAGE TRANSFORMER SUMPS | SD |
| 2-517007A | LIMESTONE PILE RUNOFF POND | ZU |
| 2-517007B | LIMESTONE AREA SUMP | ZU |
| 2-517008A | FLUE GAS | FG |
| 2-517008B | FLUE GAS | FG |
| 2-517009 | FLUE GAS SEAL AIR | FG |
| 2-517010 | MAINTENANCE STORAGE TANK | ZA |
| 2-517011 | FIRE PROTECTION | FP |
| 2-517011A | FIRE PROTECTION | FP |
| 2-517012 | HVAC OXIDATION AIR BLOWER JBR PUMP BLDGS | HV |
| 2-517012A | HVAC FGD BUILDING | HV |
| 2-517012B | HVAC FGD BUILDING ELECTRICAL | HV |
| 2-517012C | HVAC FGD BUILDING CONTROL ROOM AND DCS | HV |
| 2-517013 | SLAG BLOWING SYSTEM | SL |
| 2-517014 | BYPRODUCT REMOVAL BOTTOM ASH POND WATER TRANSFER | ZB |
| 2-517014A | BYPRODUCT REMOVAL | ZB |
| 2-517015 | CHEMICAL FEED | CF |
| 2-517018 | LIMESTONE UNLOADING MATERIAL HANDLING | ZU |
| 2-517019 | COAL HANDLING | CH |
| 2-517020 | SEAL AIR INFRARED CAMERAS & WATER CANNONS | SA |
| 2-517021 | SERVICE AIR INFRARED CAMERAS & WATER CANNONS | PA |
| 2-517022 | FURNACE CLEANING WATER SYSTEM | KC |

## MECHANICAL DRAWING NUMBERING

BB-KLMMMMZ-N

- N — REVISION NUMBER
- Z — ADDITIONAL SHEETS (A-ZZ)
- MMMM — SERIAL NUMBER (7000-7999)
- L — CATEGORY # (TYPE OF DWG = 1 FOR FLOW DIAGRAMS)
- K — DISCIPLINE (5 FOR MECHANICAL)
- BB — UNIT NUMBER (SEE TABLE 2)

ISSUED FOR DRB REVIEW

| REV | DATE | DRAWN | CHECKED | LEAD DESIGNER | ENGINEER/ TECH SPEC | LEAD DISC ENGINEER | PROJ ENGR MANAGER | PROJECT MANAGER |
|---|---|---|---|---|---|---|---|---|
| E | 03/15/06 | MAC | LVJ | BP | BG | HJS | SC | SP |

ISSUED FOR DRB REVIEW

| REV | DATE | DRAWN | CHECKED | LEAD DESIGNER | ENGINEER/ TECH SPEC | LEAD DISC ENGINEER | PROJ ENGR MANAGER | PROJECT MANAGER |
|---|---|---|---|---|---|---|---|---|
| D | 02/09/06 | SMM | LVJ | BP | BG | HJS | SC | SP |

ISSUED FOR INFORMATION

| REV | DATE | DRAWN | CHECKED | LEAD DESIGNER | ENGINEER/ TECH SPEC | LEAD DISC ENGINEER | PROJ ENGR MANAGER | PROJECT MANAGER |
|---|---|---|---|---|---|---|---|---|
| C | 12/09/05 | SMM | | BP | BG | HJS | SP | FGN |

ISSUED FOR INFORMATION

| REV | DATE | DRAWN | CHECKED | LEAD DESIGNER | ENGINEER/ TECH SPEC | LEAD DISC ENGINEER | PROJ ENGR MANAGER | PROJECT MANAGER |
|---|---|---|---|---|---|---|---|---|
| B | 07/19/05 | SMM | | BP | BG | HJS | ELB | FGN |

ISSUED FOR REVIEW AND COMMENT

| REV | DATE | DRAWN | CHECKED | LEAD DESIGNER | ENGINEER/ TECH SPEC | LEAD DISC ENGINEER | PROJ ENGR MANAGER | PROJECT MANAGER |
|---|---|---|---|---|---|---|---|---|
| A | 05/06/05 | SMM | | | HS | HS | ELB | CWS |

| DATE | NO. | DESCRIPTION | APPD. |
|---|---|---|---|

**REVISIONS**

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**WorleyParsons**
resources & energy

PRELIMINARY STATUS — DATE — REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.
LDE H. J. SHIN 07/19/05

APPROVED STATUS — DATE — REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
LDE

| ORIGINATING PERSONNEL | PROFESSIONAL ENGINEER'S SEAL |
|---|---|
| DRAWN BY: MAC | |
| CHECKED BY: L. VENSON-JONES | |
| LEAD DESIGNER: B. PIASECKI | |
| ENGINEER/TECH SPECIALIST: B. GRAEFFE | |
| PROJECT ENGINEERING MANAGER: S. CASTLE | |
| PROJECT MANAGER: S. PIEKOS | ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF PE: ____ STATE: ____ LIC. NO.: ____ DATE: ____ |

KENTUCKY POWER COMPANY
BIG SANDY UNIT 2
BIG SANDY KENTUCKY

FLOW DIAGRAMS
STANDARD SYMBOLS

DWG. NO. 2-517000-E

SCALE:
DR:
CH:
DES SUPV:
DATE:
APPROVED BY

MECHANICAL ENGINEERING DIVISION

DOCUMENT PREPARED BY WORLEYPARSONS

AMERICAN ELECTRIC POWER

AEP SERVICE CORP.
1 RIVERSIDE PLAZA
COLUMBUS, OH 43215

PE&C-FILE: 2-517000.dgn
PE&C-DATE: 04-Mar-04 07:55
SYSTEM DATE-DD-MMM-YYYY
SYSTEM TIME-HOUR:MINUTE

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