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TABLE 4 - MECHANICAL EQUIPMENT/COMPONENT CATEGORIES

EQUIPMENT/COMPONENT CODE	UNIT NAME
AB	ABSORBER - FGD
AC	AIR CONDITIONING EQUIPMENT (INCLUDING PACKAGE UNITS, CONDENSER, CONDENSING UNITS, ETC.)
AG	AGITATORS
AH	AIR HANDLING EQUIPMENT (INCLUDING STANDARD UNITS AND BUILT-IN UNITS)
BC	BELT CLEANER
BI	INDUSTRIAL BLOWERS FOR DUST COLLECTION SYSTEMS
BM	BALL MILL
BT	BELTS
CD	FIRE PROTECTION - LOW PRESSURE CO ₂ SYSTEM
CE	DRY CHEMICAL EXTINGUISHING SYSTEMS
CG	CONVEYOR GALLERIES
CL	COUPLINGS
CN	CRANES
CP	COMPRESSORS, BLOWERS, VACUUM PUMPS
CR	CRUSHERS
CV	CONVEYORS
DB	HVAC - BACKDRAFT DAMPERS (GRAVITY)
DF	HVAC - FIRE DAMPER
DM	HVAC - MANUAL DAMPERS (MANUALLY ADJUSTED)
DP	DRY PILOT SPRINKLER SYSTEM
DS	DRY PIPE SPRINKLER SYSTEM
DU	DUST COLLECTION EQUIPMENT (BAG FILTER, ROTOCLONES, SCREW CONVEYORS, ROTORY LOCK, ETC.)
DW	DELUGE WATER SPRAY SYSTEM
EH	HVAC - ELECTRICAL HEATING EQUIPMENT (UNIT HEATERS, DUCT HEATERS, RADIANT HEATERS, ETC.)
FB	BIN VENT FILTERS (BAGHOUSE ON TOP OF A SILO)
FC	HVAC - FAN COIL UNITS
FE	FIRE EXTINGUISHER
FF	HVAC - FILTERS
FM	FOAM FIRE EXTINGUISHERS SYSTEM
FN	FANS (ROOF FANS, WALL FANS, CENTRIFUGAL FANS, AXIAL FANS, JET FANS, ETC.)
GA	GATE ACTUATOR
GB	GEARBOX
HC	HYDROCLONES
HE	HEAT EXCHANGER (COMBUSTION AIR COIL, HOT WATER, STEAM UNIT HEATERS, CHILLERS, ETC.)
HL	HALON FIRE EXTINGUISHING SYSTEMS
HY	HYDROLYZER
HR	FIRE HOSE REEL ASSEMBLIES
HT	HEAT TRACING MATERIALS
HS	HOISTS
ID	IDLERS
LS	LIFT STATION (SEWAGE)
MS	SCALES
PB	BEND PULLEYS
PD	DRIVE PULLEYS
PH	PIPE HANGERS
PI	PILLOW BLOCKS
PP	PUMPS (CENTRIFUGAL, POSITIVE DISPLACEMENT)
PR	PREACTION SPRINKLER SYSTEM
PS	SNUB PULLEYS
PT	TAIL, TAKE-UP PULLEYS
QB	QUARTZOID BULB FIRE DETECTION SYSTEM
QQ	MISCELLANEOUS
RE	REDUCERS
SA	SAMPLING SYSTEM/DEVICES
SC	SCREW CONVEYORS
SD	SMOKE DETECTION SYSTEMS
SG	SLIDE GATES
SK	SKIDS, SPECIAL PACKAGED UNITS
SL	SILO
SP	STAND PIPE SYSTEMS
SQ	STACK
ST	STRAINERS, FILTERS
TC	THERMOSTATIC CABLE FIRE DETECTION SYSTEM
TH	THERMOSTATS (HEATING, COOLING, ETC)
TK	TANKS
TP	TREATMENT PLANT (SEWAGE)
TR	TROLLEYS
UV	ULTRAVIOLET DISINFECTION SYSTEM
VB	VIBRATORS, VIBRATING FEEDERS/BINS BTMS
VF	VACUUM BELT FILTER, ROTARY DRUM FILTER
WL	WALL LOUVERS
WS	WET PIPE SPRINKLER SYSTEM

TABLE 6 - VALVE/DAMPER TYPES

VALVE/DAMPER TYPE	DESCRIPTION
AR	AIR OPERATED REGULATORY VALVE/DAMPER
AS	AIR OPERATED SHUTOFF VALVE/DAMPER
HR	HYDRUALIC OPERATED REGULATORY VALVE/DAMPER
HS	HYDRAULIC OPERATED SHUTOFF VALVE/DAMPER
MR	MOTOR OPERATED REGULATORY VALVE/DAMPER
MS	MOTOR OPERATED SHUTOFF VALVE/DAMPER
SO	SOLENOID OPERATED VALVE/DAMPER

TABLE 7 - SPECIAL VALVE CATEGORIES

SPECIAL VALVE CATEGORY	DESCRIPTION
EV	EXCESS FLOW VALVE
HV	HYDROSTATIC RELIEF VALVE
RV	REGULATING VALVE (PROCESS POWERED)
SV	SAFETY VALVE
VV	VAPOR VENT VALVE

TABLE 8 - PIPE TYPES

PIPE TYPES	DESCRIPTION
L	ABOVE GROUND LARGE BORE ($\geq$ 2.5 INCHES)
S	ABOVE GROUND SMALL BORE (< 2.5 INCHES)
U	UNDERGROUND

TABLE 9 - PIPE SPECIALITY CATEGORIES

PIPE SPECIALTY CATEGORY	DESCRIPTION
F	FILTER
H	HOSE
I	SIGHT INDICATOR
Q	MISCELLANEOUS
R	RESTRICTING ORIFICE
S	STRAINER
T	TRAP
V	MULTIPOINT RELIEF DEVICE
X	EXPANSION JOINT

ISSUES FOR INFORMATION

D	REV	DATE	SM	LVJ	BP	BG	HJS	SC	SP
			DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/TECH SPEC	LEAD DESIG	DESIGN MANAGER	PROJECT MANAGER

ISSUES FOR INFORMATION

C	REV	DATE	BKB	BP	BG	HJS	SB	FGN
			DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/TECH SPEC	LEAD DESIG	DESIGN MANAGER

ISSUED FOR REVIEW AND COMMENT

B	REV	DATE	SHM	BP	BG	HJS	ELB	CWS
			DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/TECH SPEC	LEAD DESIG	DESIGN MANAGER

ISSUED FOR REVIEW AND COMMENT

A	REV	DATE	SHM	HS	HS	ELB	FGN
			DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/TECH SPEC	LEAD DESIG

DATE	NO.	DESCRIPTION	APPD.
REVISIONS			

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KENTUCKY POWER COMPANY
BIG SANDY UNIT 2
BIG SANDY KENTUCKY

FLOW DIAGRAM
STANDARD SYMBOLS

DWG. NO. 2-517000E-D

SCALE:	MECHANICAL ENGINEERING DIVISION
DWG:	DOCUMENT PREPARED BY WORLEYPARSONS
CHK:	
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