



## DWG 5 POWER PLANT DIAGRAM

FOR DETAILED CONNECTION DIAGRAMS:

SHEET NO. DESCRIPTION

7	STEAM TURBINE
8	BOILER
9	CONDENSATE
11	ELECTRICITY GENERATION
13	COOLING WATER
15	ASH HANDLING UNIT
16	FLUE GAS TREATMENT

LEGEND:

CODE	DESCRIPTION	CODE	DESCRIPTION
CH	CRUSHER HOUSE	IP	INTERMEDIATE PRESSURE TURBINE
CS	COAL SILO	LP	LOW PRESSURE TURBINE
PZR	PULVERIZER	G	GENERATOR
CF	COAL FEEDER	TRN	TRANSFORMER
PAF	PRIMARY AIR FAN	ESP	ELECTROSTATIC PRECIPITATOR
PRH	PULVERIZED REJECT HOPPER	IDF	INDUCED DRAFT FAN
PAF	PRIMARY AIR FAN	CHM	CHIMNEY
AST	ASH SLURRY TANK	CFW	CLOSED FEED WATER HEATER
FNC	FURNACE	C	CONDENSER
SD	STEAM DRUM	DRT	DEAERATOR
SH	SUPERHEATER	CP	CONDENSATE PUMP
RH	REHEATER	FWP	FEED WATER PUMP
ECO	ECONOMIZER	WTP	WATER TREATMENT PLANT
HP	HIGH PRESSURE TURBINE	CWP	COOLING WATER PUMP



**BatStateU**  
BATANGAS STATE UNIVERSITY  
Gov. Pablo Borbon Main Campus II  
Alangilan, Batangas City  
MECHANICAL ENGINEERING DEPARTMENT

PROJECT LEADER		INSTRUCTOR		PROJECT / LOCATION:	OWNER	PREPARED BY:	No.	REVISIONS	DATE	SHEET CONTENT	SHEET NO.
ENGR. LEMUEL ARNEL A. RIVERA MECHANICAL ENGINEER		ENGR. ALLAN B. DE VILLA PROFESSIONAL MECHANICAL ENGINEER ASEAN ENGINEER		600 MW COAL-FIRED POWER PLANT LEMERY BATANGAS	MPR POWER CORPORATION ENGR. LEMUEL ARNEL A. RIVERA PRESIDENT	ENGR. BRYAN MERCADO				POWER PLANT DIAGRAM	A 3
PRC Reg No.:	SECTION: ME - 5302	PRC Reg No.	PTR No.	BatStateU Main Campus 2 Alangilan Batangas City		ENGR. VINCE LEMUEL PANOPIO					
TIN:	GROUP NO: 05	TIN:	Issued on:			ENGR. LEMUEL ARNEL RIVERA					
	DATE SUB: JULY 1, 2019		Issued at:								