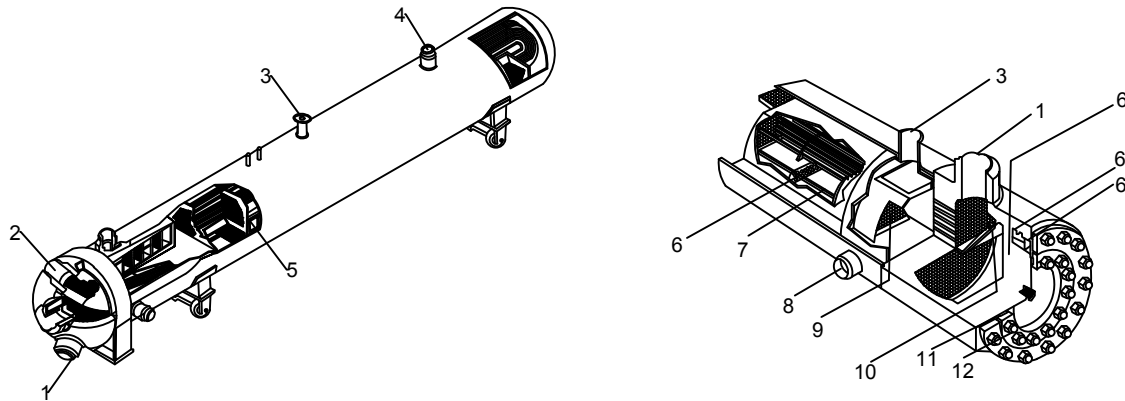


LEGEND:

NO.	DESCRIPTION	NO.	DESCRIPTION
1	FEED WATER OUTLET	10	DEAERATED WATER OUTLET
2	FEED WATER INLET	11	ANNULAR DISTRIBUTING BAFFLE
3	STEAM INLET	12	GASKET
4	DRAIN UNIT	14	BOLTING RINGS
5	CONDENSING ZONE	15	CHANNEL COVER
6	DOUBLE SEGMENTAL BAFFLES	16	SHEAR KEY RING
7	DESUPERHEATING ZONE	17	BACKING RING
8	DRAIN OUTLET		
9	WATER INLET		



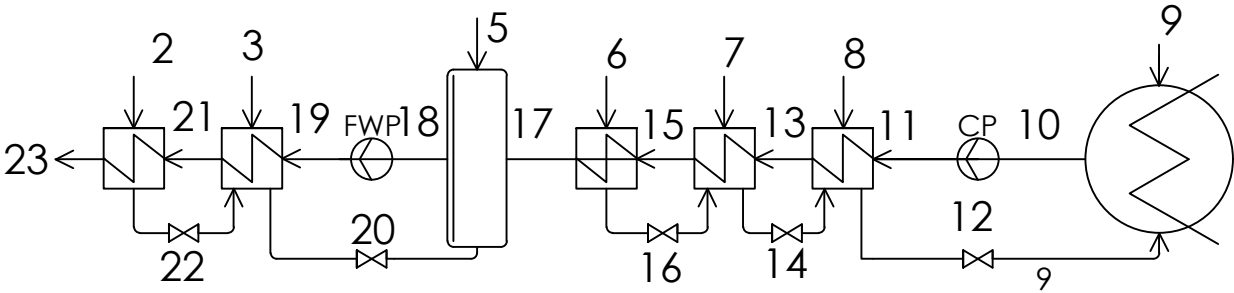
DWG 18  
DETAILS OF FEED WATER HEATER  
SCALE: NTS

EQUIPMENT SCHEDULE FOR FEED WATER HEATER

TAG NO.	QTY	MANUFACTURER	MAKE/MODEL	LOW PRESSURE RATING	HIGH PRESSURE RATING	ELECTRICAL		
						f	φ	v
CFWH-10X	10	ENERGYEN	SPX HEATER	400-800 psig	1600-4800 psig	60	3	220

EQUIPMENT SCHEDULE FOR DEAERATOR

TAG NO.	QTY	MANUFACTURER	MAKE/MODEL	STEAM FLOW RATE	WATER VOLUME	ELECTRICAL		
						f	φ	v
DRT-10X	2	EUROWATER	SILHORKO	3240 kg/hr	11575L	60	3	220



DWG 20  
CONDENSATE CONNECTION DIAGRAM  
SCALE: NTS

CONDENSATE PIPE SIZING AND OUTLET

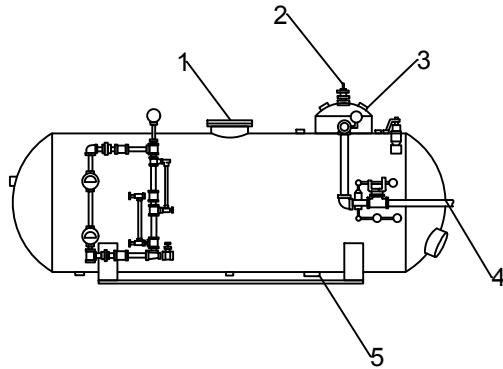
DN 20	TO CONDENSATE PUMP (10)
DN 20	TO FEEDWATER HEATER (11)
DN 12	TO FEEDWATER HEATER (12)
DN 20	TO FEEDWATER HEATER (13)
DN 6	TO FEEDWATER HEATER (14)
DN 20	TO FEEDWATER HEATER (15)
DN 6	TO FEEDWATER HEATER (16)
DN 20	TO FEEDWATER HEATER (17)
DN 24	TO DAERATOR (18)
DN 24	TO FEEDWATER PUMP (19)
DN 6	TO FEEDWATER HEATER (20)
DN 24	TO FEEDWATER HEATER (21)
DN 8	TO FEEDWATER HEATER (22)
DN 24	TO BOILER (1)

NOTES:

1. THE STEAM VELOCITY IS LIMITED TO 2 m/s
2. THE MATERIALS FOR PIPING IS ASTM A 213 T5, SCHED 40
3. THE MATERIAL FOR BOLTS NUTS AND STUDS IS ASTM A 913 B5
4. THE MATERIAL FOR WROUGHT FITTINGS IS ASTM A 234 WP5

LEGEND:

NO.	DESCRIPTION
1	STEAM INLET
2	VENT
3	INTERNAL VENT CONDENSER
4	WATER INLET
5	DEAERATED WATER OUTLET



DWG 19  
DETAILS OF DEAERATOR  
SCALE: NTS



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

PROJECT LEADER  
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MECHANICAL ENGINEER  
PRC Reg No.:  
TIN:

INSTRUCTOR  
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ASEAN ENGINEER  
PRC Reg No.:  
PTR No.:  
TIN:  
Issued on:  
Issued at:

PROJECT / LOCATION:  
600 MW COAL-FIRED POWER PLANT  
LEMERY BATANGAS  
BatStateU Main Campus 2  
Alangilan Batangas City

OWNER  
MPR POWER  
CORPORATION  
ENGR. LEMUEL ARNEL A. RIVERA  
PRESIDENT

PREPARED BY:  
ENGR. BRYAN MERCADO  
ENGR. VINCE LEMUEL  
PANOPIO  
ENGR. LEMUEL ARNEL  
RIVERA

No. REVISIONS DATE

SHEET CONTENT  
DETAILS OF FEED  
WATER HEATER &  
DAERATOR

SHEET NO.  
A  
10