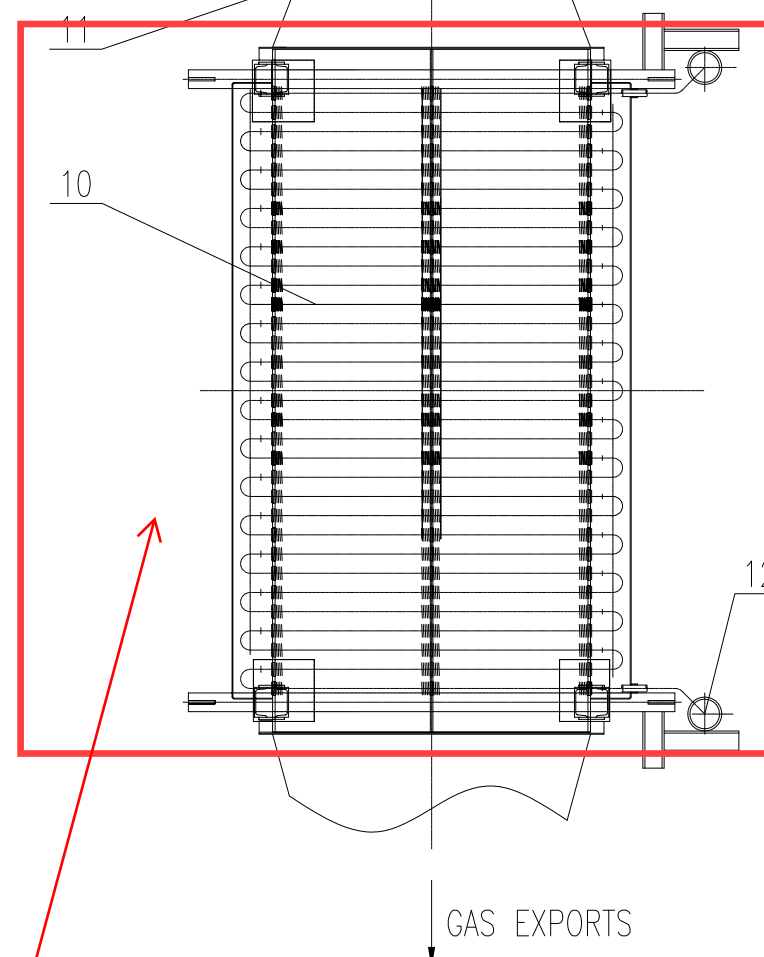
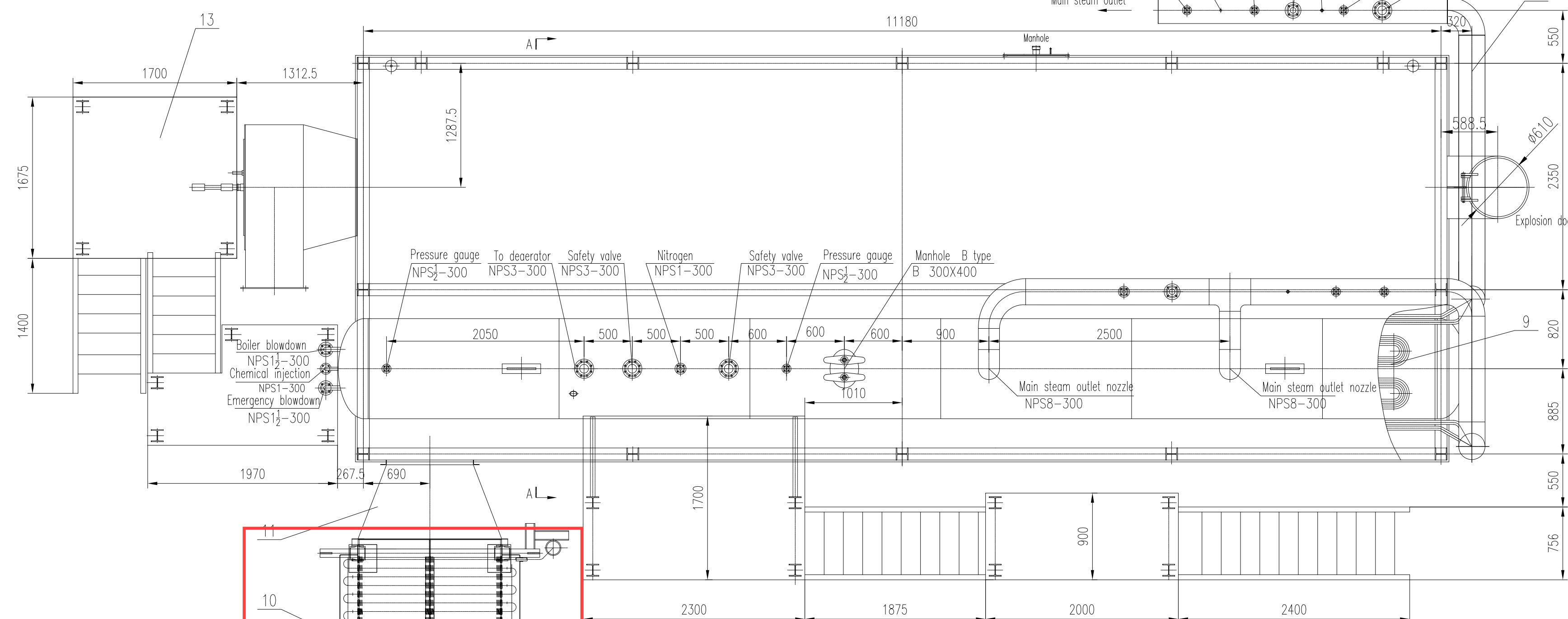
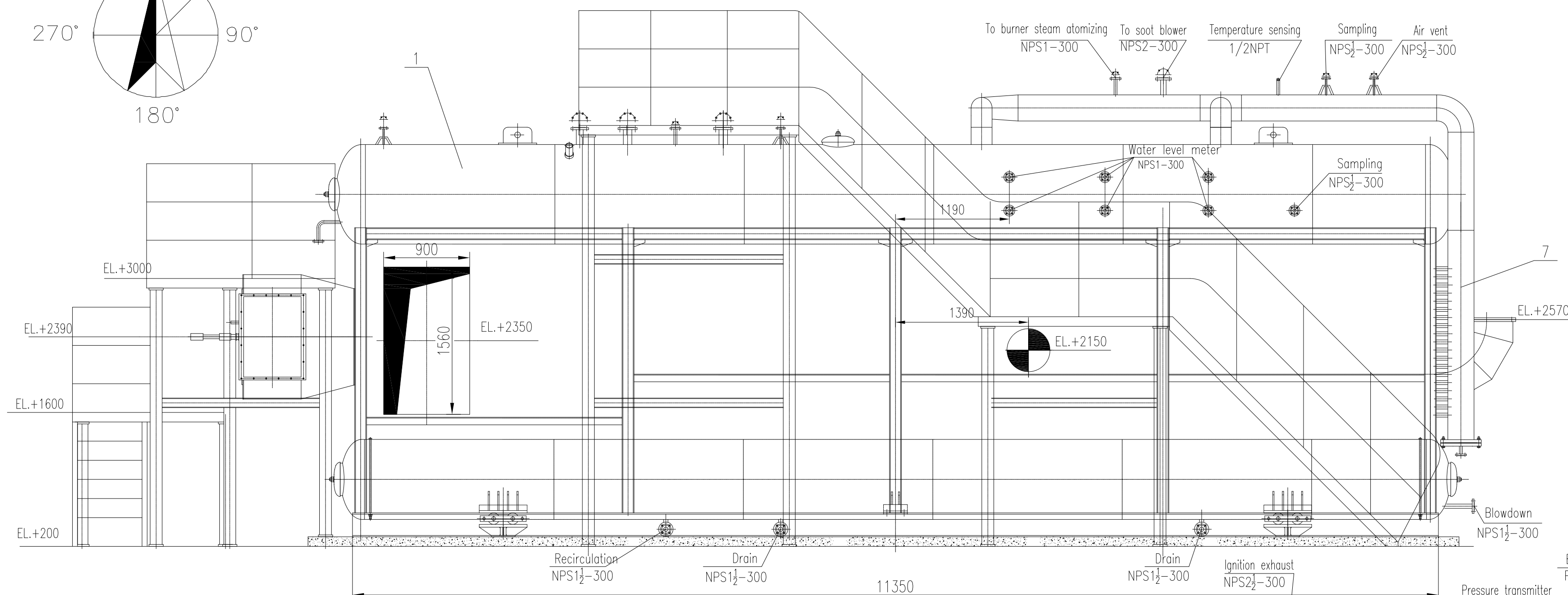
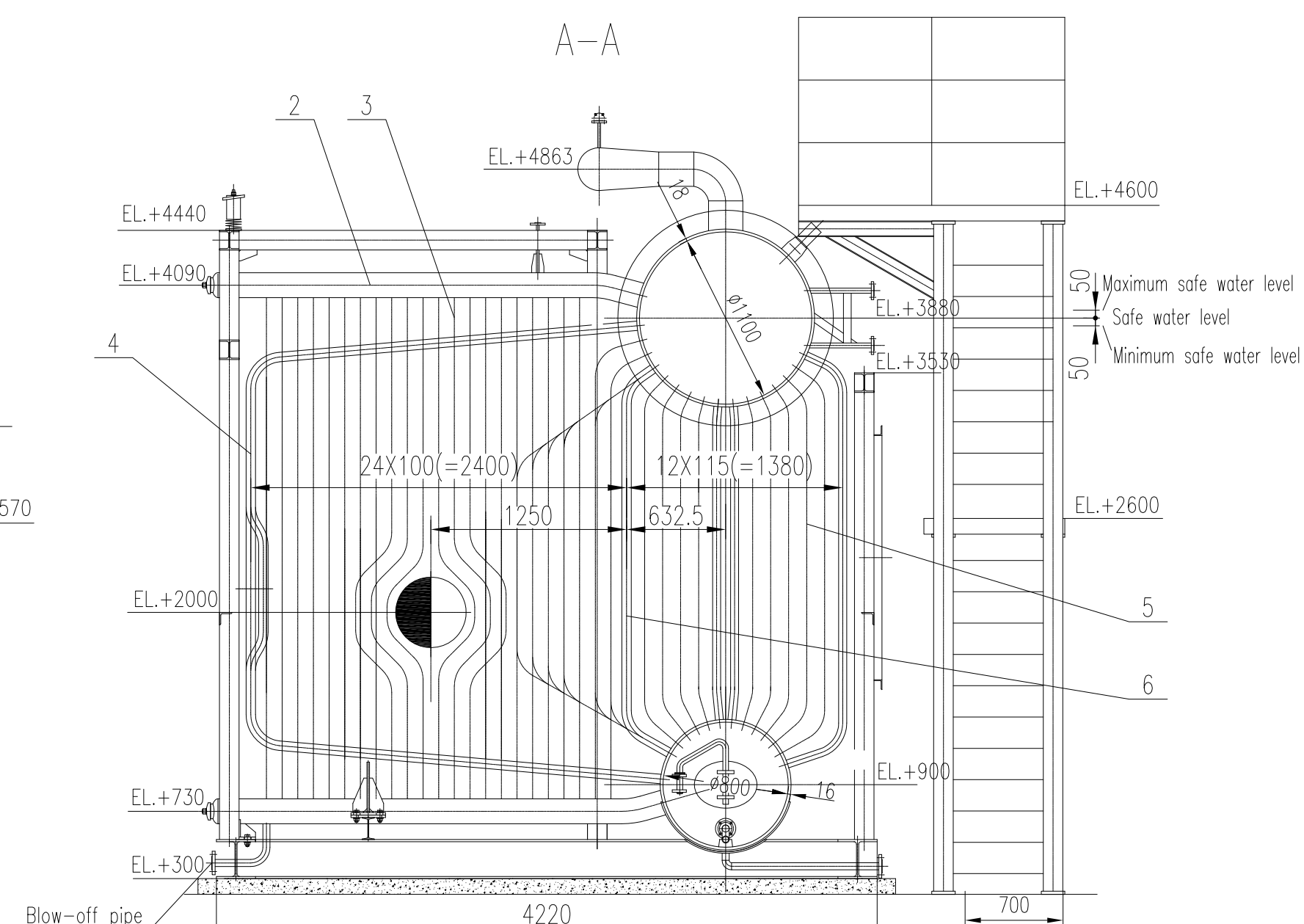




Water quality requirement				
	Unit	Demin. water (Supplied by user)	Feed-water	Boiler water
Chloride	ug/L	< 3	≤ 10	
Silica	ug/L	< 10	≤ 20	≤ 20
Specific conductivity	uS/cm	< 0.1	< 0.5	
Sulfate	ug/L	< 3	≤ 10	
Total organic carbon	ug/L	< 100	≤ 200	
Total dissolved solids	ug/L	< 25	≤ 50	
Sodium	ug/L	< 3	≤ 10	
Iron	ug/L	< 20	≤ 50	
pH		6.5~7.5	8.8~9.2	9.0~11.0
PO ₄ ³⁻	mg/L			5~15

1. THIS BOILER SHALL BE DESIGNED AND MANUFACTURED AND ACCEPTED IN ACCORDANCE WITH "ASME I "RULES FOR CONSTRUCTION OF POWER BOILERS"(2013).
2. HYDRAULIC PRESSURE TEST FOR BOILER AFTER INSTALLATION SHALL BE IN ACCORDANCE WITH ASME I "RULES FOR CONSTRUCTION OF POWER BOILERS"(2013) PG-99,TEST PRESSURE OF 1.5 TIMES BOILER DESIGN PRESSURE (2.25MPA).
3. ALL DIMENSIONS AND ELEVATION SHOWN ARE IN MILLIMETERS (MM).
4. EL+0.000m = MSL EL+4.500m.



AUXILIARY BOILER DESIGN PARAMETER		
NAME	UNIT	SPECIFICATIONS
Design Pressure	MPa	1.5
Design Temperature(drum)	°C	250
Rated Steam Flow	t/h	35
Rated Outlet Steam Pressure	MPa	1.3
Rated Outlet Steam Temperature	°C	350
Water Volume Full	m ³	25
Water Volume @ Drum Centerline	m ³	20
Feedwater Design Pressure	MPa	1.6
Feedwater Design Temperature	°C	104

Doelim Industrial Co., Ltd.	
job No.	110180
	A – APPROVED
	B – APPROVED WITH COMMENTS
	C – RETURNED FOR CORRECTION
	D – REJECTED
	N – NOT APPLICABLE (REFERENCE ONLY)
SIGNED BY :	DATE :
DIC'S PERMISSION TO PROCEED OR REVIEW TAKEN ON VENDOR PRINTS SHALL, NOT RELIEVE VENDOR FROM ITS RESPONSIBILITIES OR LIABILITIES UNDER THE PURCHASE ORDER.	

AUXILIARY BOILER MAIN MATERIALS SHEET			
No.	NAME	MATERIAL	WEIGHT(kg)
1	Drum	SA-516 Gr70	6253
2	Headers of front/rear water cooling wall	SA-106B	178/178
3	Tubes of front/rear water cooling wall	SA-210 A-1	478/532
4	Side of water cooling wall	SA-210 A-1	5421
5	Convection tubes	SA-210 A-1	10344
6	Middle water cooling wall	SA-210 A-1	1697
7	Superheater headers	SA-106B	427
8	Main steam pipe	SA-106B	915
9	Superheater pipe system	SA-213 T22	1894
10	Economizer pipe system	SA-106B	6578
11	Flue duct	Q235B	663
12	Economizer headers	SA-106B	206
13	Platform & ladders	Q235B	3077

DOCUMENT SUBMISSION STATUS:	FF
NOTE:	

	03 Mar.2016	FOR FINAL	ZWANGKENG	LONGQIAOYUN	LEONGTIAO	WANGZHONGYU
	05 Jan.2015	FOR APPROVAL	ZWANGKENG	LONGQIAOYUN	LEONGTIAO	WANGZHONGYU
	11 Aug.2014	FOR APPROVAL	ZWANGKENG	LONGQIAOYUN	LEONGTIAO	WANGZHONGYU
	07 May.2014	FOR APPROVAL	ZWANGKENG	LONGQIAOYUN	LEONGTIAO	WANGZHONGYU
	29 Jun.2012	FOR APPROVAL	ZWANGKENG	LONGQIAOYUN	LEONGTIAO	WANGZHONGYU
REV	DATE	DESCRIPTION	DRWN	CHKD	REVD	APRD

OWNER	 VIETNAM OIL AND GAS GROUP (PVN)	OWNER'S CONSULTANT	 FICHTNER GmbH & Co. KG FICHTNER FV POWER PCC
EPC CONTRACTOR	 PETROVIETNAM CONSTRUCTION JOINT STOCK CORPORATION (PVC)	EPC CONTRACTOR'S CONSULTANT	 Worleyparsons Australia Pty Ltd WORLEYPARSONS
POWER ISLAND PACKAGE SUPPLIER	 SOJITZ CORPORATION	 DAEIL INDUSTRIAL CO., LTD.	
PROJECT TITLE	THAI BINH2 THERMAL POWER PLANT 2 x 600MW		

DRAWING TITLE		AUXILIARY BOILER SECTIONAL VIEWS			
BIP SUPPLIER  BABCOCK & WILCOX BEIJING CO., LTD.		FUNCTION	NAME	SIGN	DATE
BIP SUB-SUPPLIER  广东省电力设计研究院 中国电建 GUANGDONG ELECTRIC POWER DESIGN INSTITUTE		DRWN	ZHANGWEIKE	张科和	03. Mar. 2016
		CHKD	LONGQIANYUN	龙倩云	03. Mar. 2016
		REVD	WANGDINTAO	李浩杰	03. Mar. 2016
		APPD	LIJINGZHONG		03. Mar. 2016
DRAWING NO. TB2-SDC.VP.011-0002A-M-M1A-DSE-5001		JOB NO.	110180	SCALE	1/35
				REV. NO.	△