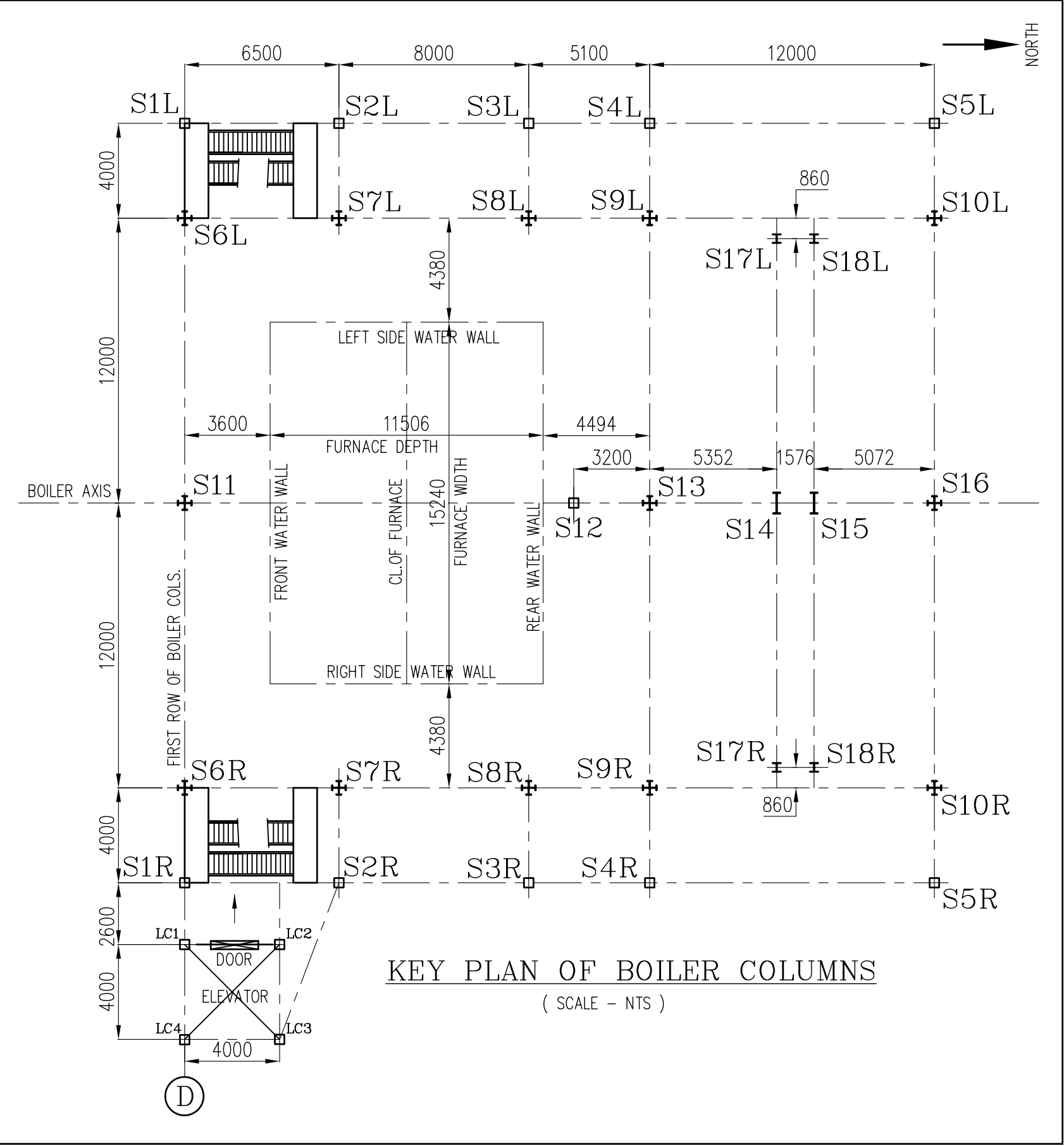
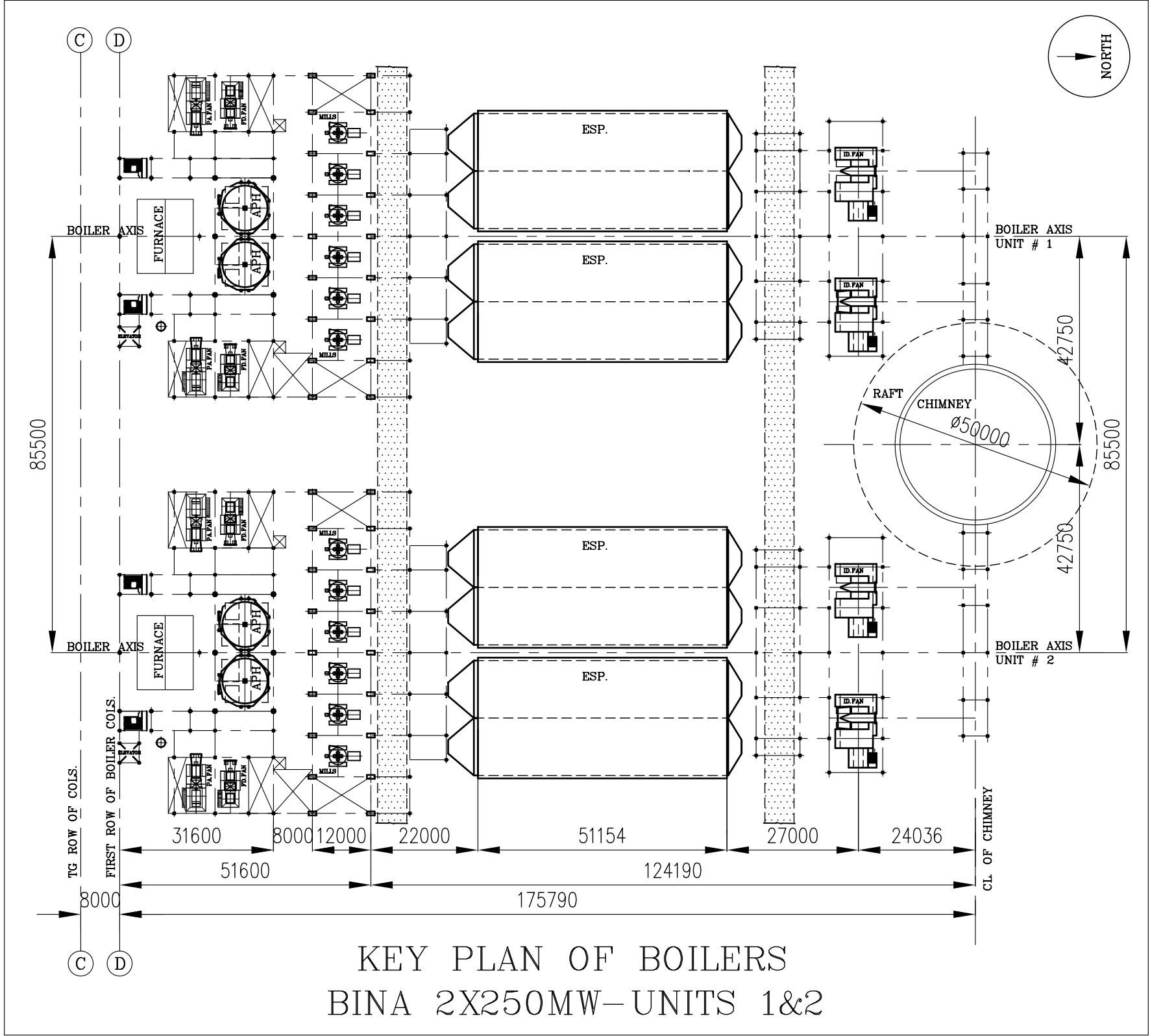
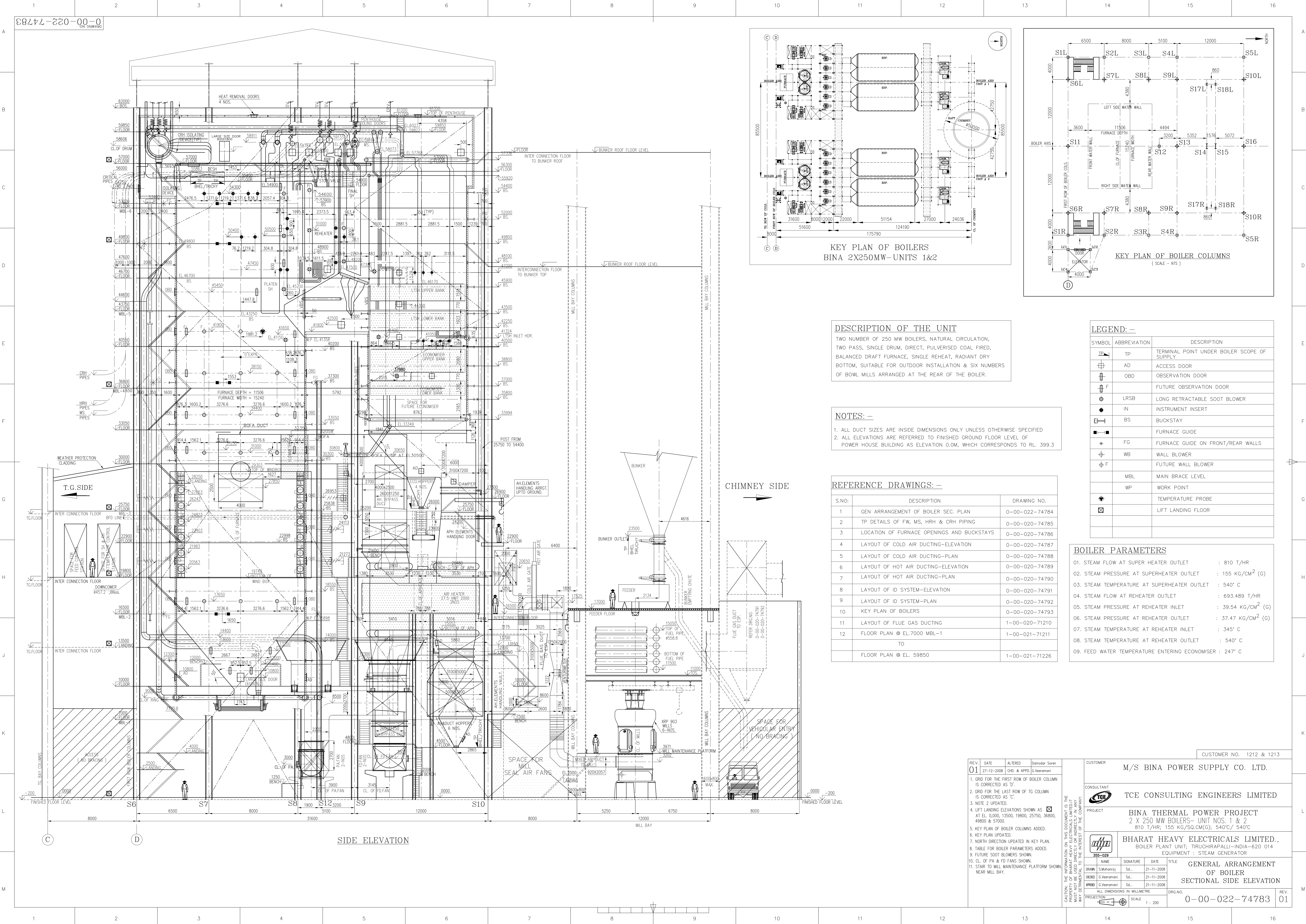




DESCRIPTION OF THE UNIT

TWO NUMBER OF 250 MW BOILERS, NATURAL CIRCULATION, TWO PASS, SINGLE DRUM, DIRECT, PULVERISED COAL FIRED, BALANCED DRAFT FURNACE, SINGLE REHEAT, RADIANT DRY BOTTOM, SUITABLE FOR OUTDOOR INSTALLATION & SIX NUMBERS OF BOWL MILLS ARRANGED AT THE REAR OF THE BOILER.

NOTES: -

1. ALL DUCT SIZES ARE INSIDE DIMENSIONS ONLY UNLESS OTHERWISE SPECIFIED
2. ALL ELEVATIONS ARE REFERRED TO FINISHED GROUND FLOOR LEVEL OF POWER HOUSE BUILDING AS ELEVATION 0.0M, WHICH CORRESPONDS TO RL. 399.3

REFERENCE DRAWINGS: -

S.NO:	DESCRIPTION	DRAWING NO.
1	GEN ARRANGEMENT OF BOILER SEC. PLAN	0-00-022-74784
2	TP DETAILS OF FW, MS, HRH & CRH PIPING	0-00-020-74785
3	LOCATION OF FURNACE OPENINGS AND BUCKSTAYS	0-00-020-74786
4	LAYOUT OF COLD AIR DUCTING-ELEVATION	0-00-020-74787
5	LAYOUT OF COLD AIR DUCTING-PLAN	0-00-020-74788
6	LAYOUT OF HOT AIR DUCTING-ELEVATION	0-00-020-74789
7	LAYOUT OF HOT AIR DUCTING-PLAN	0-00-020-74790
8	LAYOUT OF ID SYSTEM-ELEVATION	0-00-020-74791
9	LAYOUT OF ID SYSTEM-PLAN	0-00-020-74792
10	KEY PLAN OF BOILERS	0-00-020-74793
11	LAYOUT OF FLUE GAS DUCTING	1-00-021-71210
12	FLOOR PLAN @ EL.7000 MBL-1	1-00-021-71211
	TO	
	FLOOR PLAN @ EL. 59850	1-00-021-71226

LEGEND: -

SYMBOL	ABBREVIATION	DESCRIPTION
TP	TP	TERMINAL POINT UNDER BOILER SCOPE OF SUPPLY
AD	AD	ACCESS DOOR
OBD	OBD	OBSERVATION DOOR
F	F	FUTURE OBSERVATION DOOR
LRSB	LRSB	LONG RETRACTABLE SOOT BLOWER
IN	IN	INSTRUMENT INSERT
BS	BS	BUCKSTAY
FG	FG	FURNACE GUIDE
WB	WB	WALL BLOWER
F	F	FUTURE WALL BLOWER
MBL	MBL	MAIN BRACE LEVEL
WP	WP	WORK POINT
TEMP	TEMP	TEMPERATURE PROBE
LF	LF	LIFT LANDING FLOOR

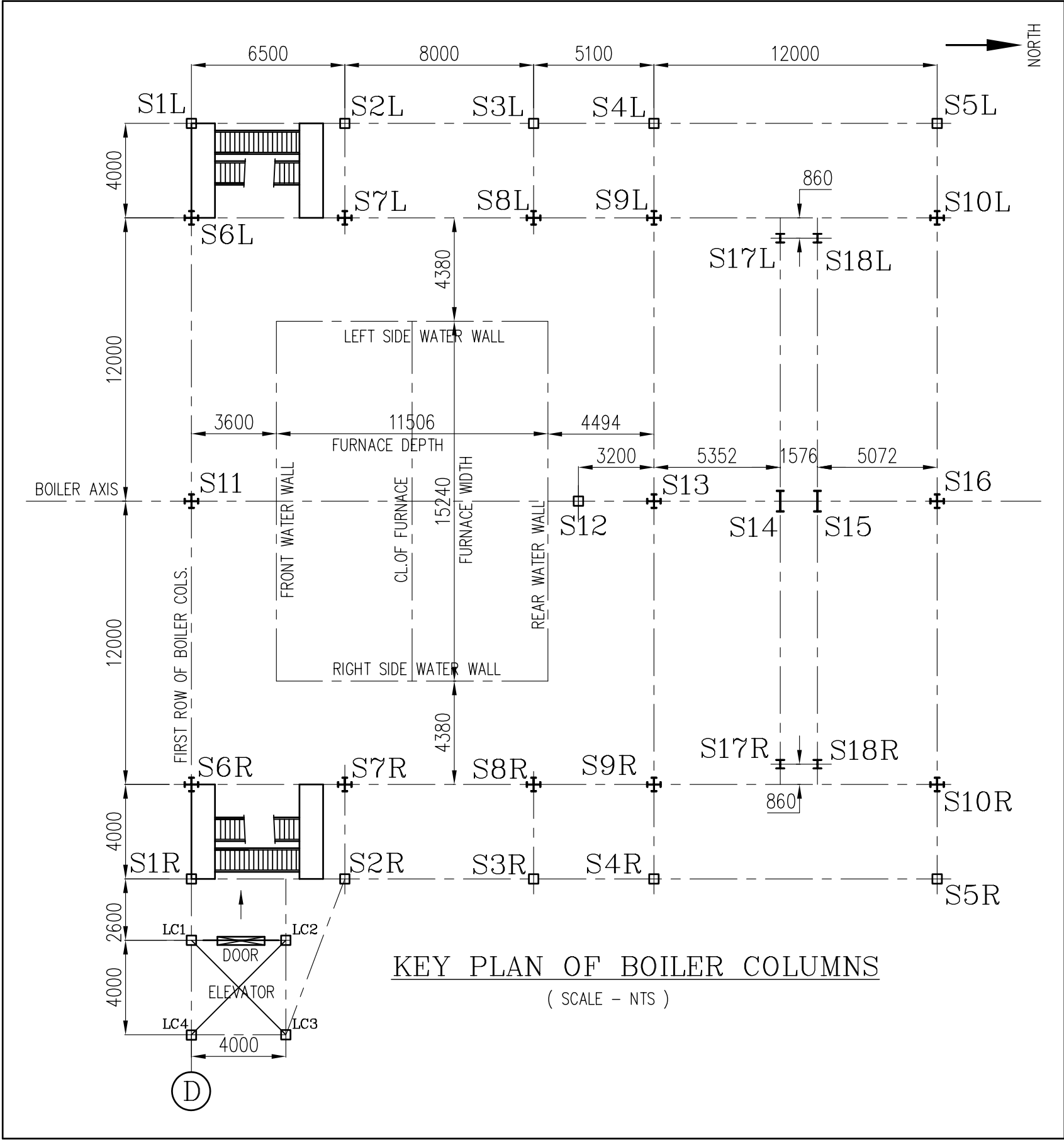
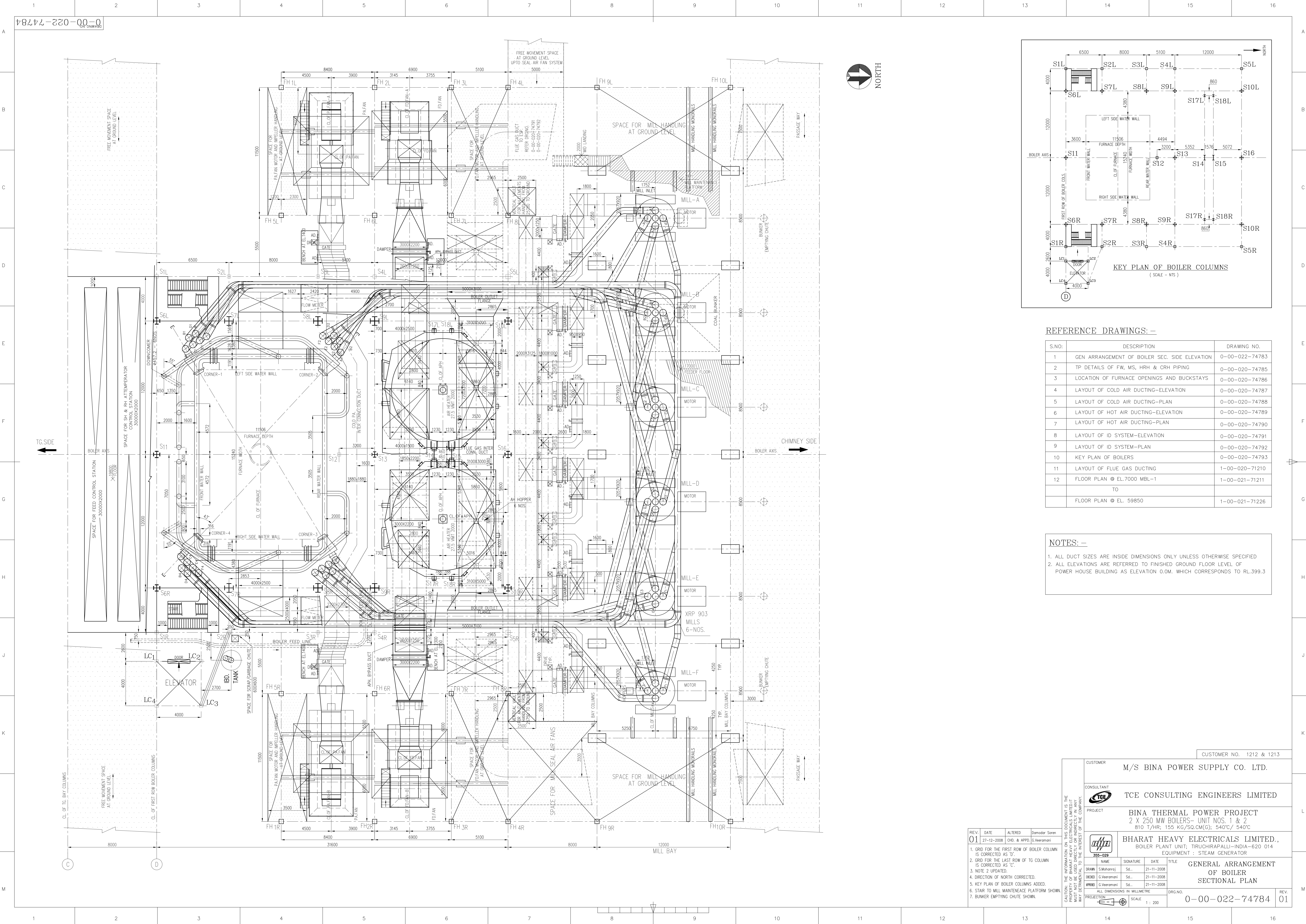
BOILER PARAMETERS

01. STEAM FLOW AT SUPER HEATER OUTLET : 810 T/HR
02. STEAM PRESSURE AT SUPERHEATER OUTLET : 155 KG/CM² (G)
03. STEAM TEMPERATURE AT SUPERHEATER OUTLET : 540° C
04. STEAM FLOW AT REHEATER OUTLET : 693.489 T/HR
05. STEAM PRESSURE AT REHEATER INLET : 39.54 KG/CM² (G)
06. STEAM PRESSURE AT REHEATER OUTLET : 37.47 KG/CM² (G)
07. STEAM TEMPERATURE AT REHEATER INLET : 345° C
08. STEAM TEMPERATURE AT REHEATER OUTLET : 540° C
09. FEED WATER TEMPERATURE ENTERING ECONOMISER : 247° C

REV.	DATE	ALTERED	BY
01	27-12-2008	CHD. & APPD. G.Veeramani	

1. GRID FOR THE FIRST ROW OF BOILER COLUMN IS CORRECTED AS 'D'.
2. GRID FOR THE LAST ROW OF TG COLUMN IS CORRECTED AS 'C'.
3. NOTE 2 UPDATED.
4. LIFT LANDING ELEVATIONS SHOWN AS AT EL. 0.000, 13500, 19800, 25750, 36800, 49800 & 57000.
5. KEY PLAN OF BOILER COLUMNS ADDED.
6. KEY PLAN UPDATED.
7. NORTH DIRECTION UPDATED IN KEY PLAN.
8. TABLE FOR BOILER PARAMETERS ADDED.
9. FUTURE SOOT BLOWERS SHOWN.
10. CL. OF PA & FD FANS SHOWN.
11. STAIR TO MILL MAINTENANCE PLATFORM SHOWN NEAR MILL BAY.

CUSTOMER NO. 1212 & 1213			
CUSTOMER M/S BINA POWER SUPPLY CO. LTD.			
CONSULTANT TCE CONSULTING ENGINEERS LIMITED			
PROJECT BINA THERMAL POWER PROJECT 2 X 250 MW BOILERS- UNIT NOS. 1 & 2 810 T/HR; 155 KG/SQ.CM(G); 540°C/ 540°C			
BHARAT HEAVY ELECTRICALS LIMITED., BOILER PLANT UNIT, TIRUCHIRAPALLI-INDIA-620 014 EQUIPMENT : STEAM GENERATOR			
NAME		SIGNATURE	DATE
DRAWN: S.Mohanraj		Sd...	21-11-2008
CHECK: G.Veeramani		Sd...	21-11-2008
APPROD: G.Veeramani		Sd...	21-11-2008
PROJECTOR		SCALE	1 : 200
TITLE GENERAL ARRANGEMENT OF BOILER SECTIONAL SIDE ELEVATION		PRG.NO. 0-00-022-74783	
REV.		01	



S.NO:	DESCRIPTION	DRAWING NO.
1	GEN ARRANGEMENT OF BOILER SEC. SIDE ELEVATION	0-00-022-74783
2	TP DETAILS OF FW, MS, HRH & CRH PIPING	0-00-020-74785
3	LOCATION OF FURNACE OPENINGS AND BUCKSTAYS	0-00-020-74786
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12	FLOOR PLAN @ EL.7000 MBL-1	1-00-021-71211
TO		
FLOOR PLAN @ EL. 59850		1-00-021-71226

NOTES: -

1. ALL DUCT SIZES ARE INSIDE DIMENSIONS ONLY UNLESS OTHERWISE SPECIFIED

2. ALL ELEVATIONS ARE REFERRED TO FINISHED GROUND FLOOR LEVEL OF POWER HOUSE BUILDING AS ELEVATION 0.0M. WHICH CORRESPONDS TO RL.399.3

REV.	DATE	ALTERED	By
01	27-12-2008	CHD. & APPD.	G.Veeramani

1. GRID FOR THE FIRST ROW OF BOILER COLUMN IS CORRECTED AS 'D'.

2. GRID FOR THE LAST ROW OF COLUMN IS CORRECTED AS 'C'.

3. NOTE 2 UPDATED.

4. DIRECTION OF NORTH CORRECTED.

5. KEY PLAN OF BOILER COLUMNS ADDED.

6. STAIR TO MILL MAINTENANCE PLATFORM SHOWN.

7. BUNKER EMPTYING CHUTE SHOWN.

CUSTOMER NO. 1212 & 1213	
CUSTOMER M/S BINA POWER SUPPLY CO. LTD.	
CONSULTANT TCE CONSULTING ENGINEERS LIMITED	
PROJECT BINA THERMAL POWER PROJECT 2 x 250 MW BOILERS- UNIT NOS. 1 & 2 810 T/HR; 155 KG/SQ.CM(G); 540°C/ 540°C	
BHARAT HEAVY ELECTRICALS LIMITED., BOILER PLANT UNIT, TIRUCHIRAPALLI-INDIA-620 014 EQUIPMENT : STEAM GENERATOR	
GENERAL ARRANGEMENT OF BOILER SECTIONAL PLAN	
PROJECTOR SCALE 1 : 200	
ORG.NO. 0-00-022-74784	
REV. 01	