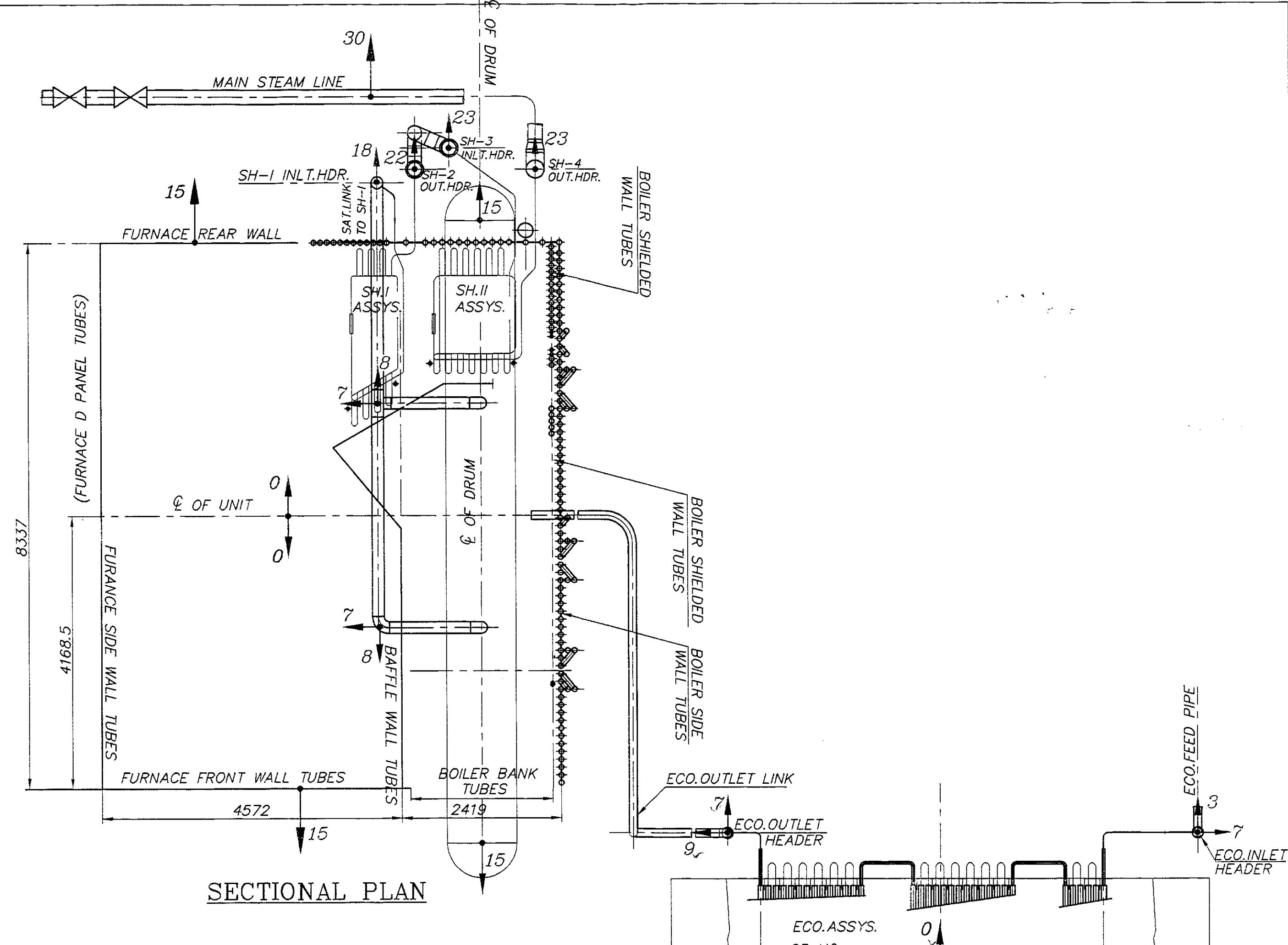
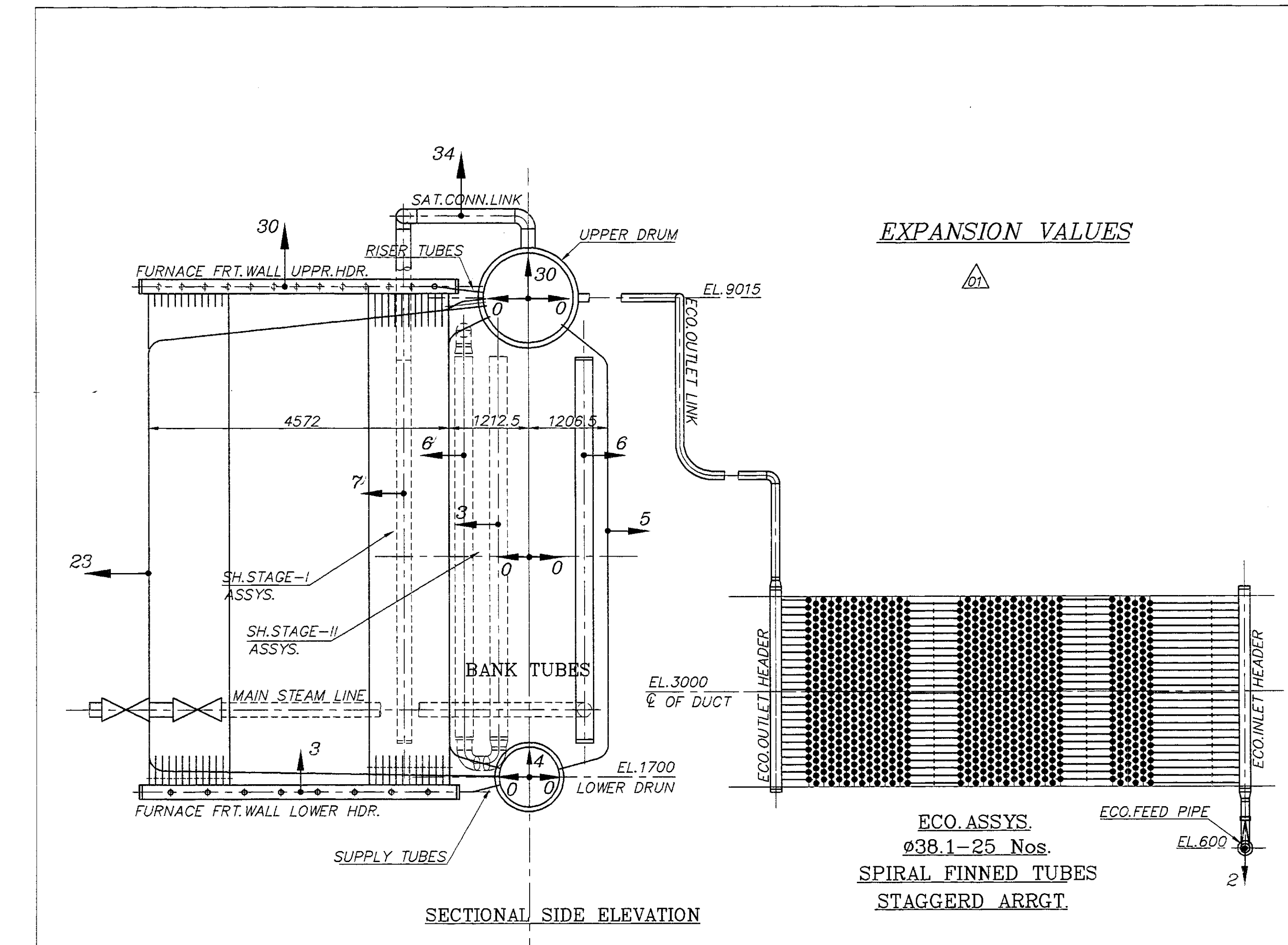
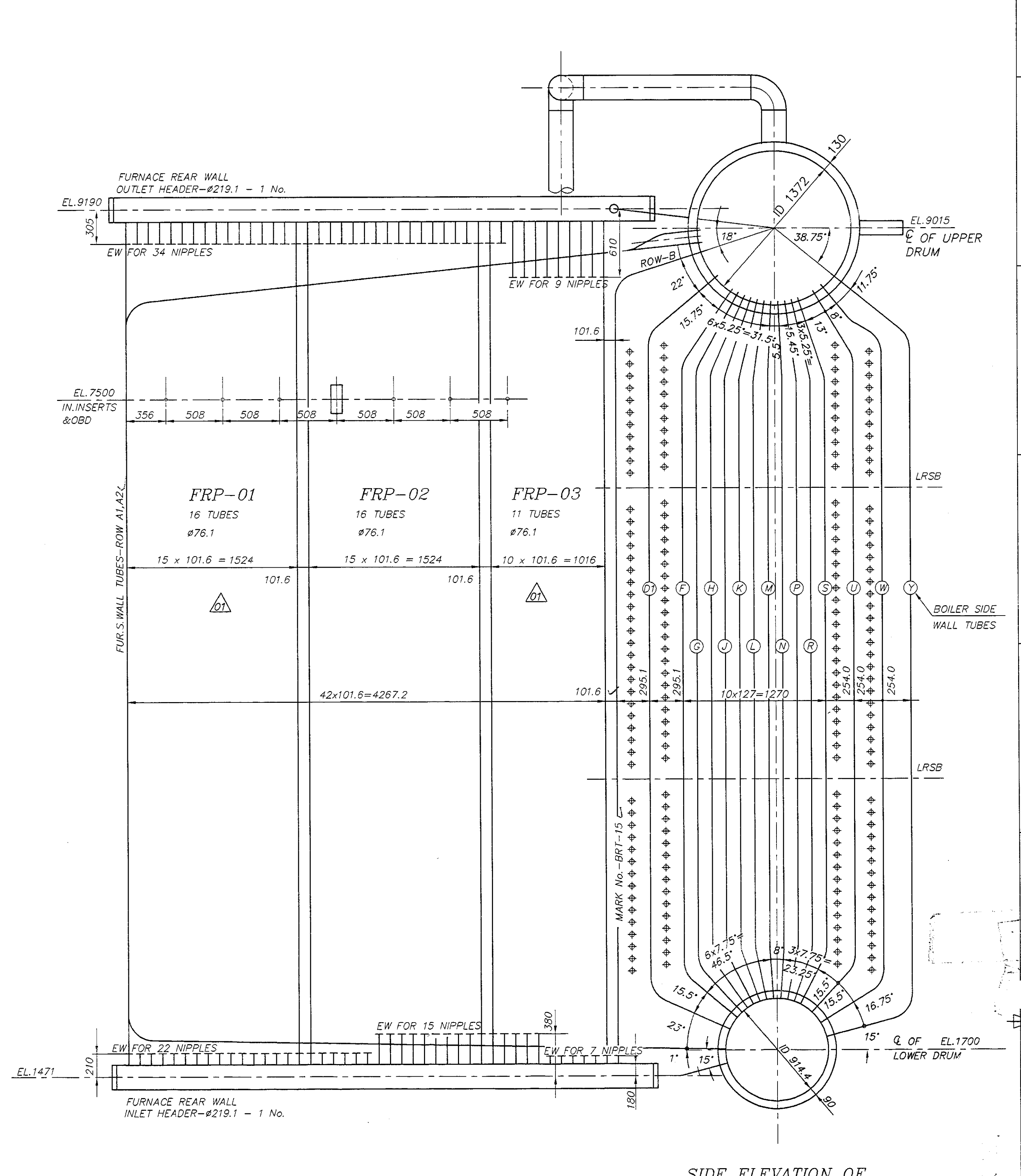
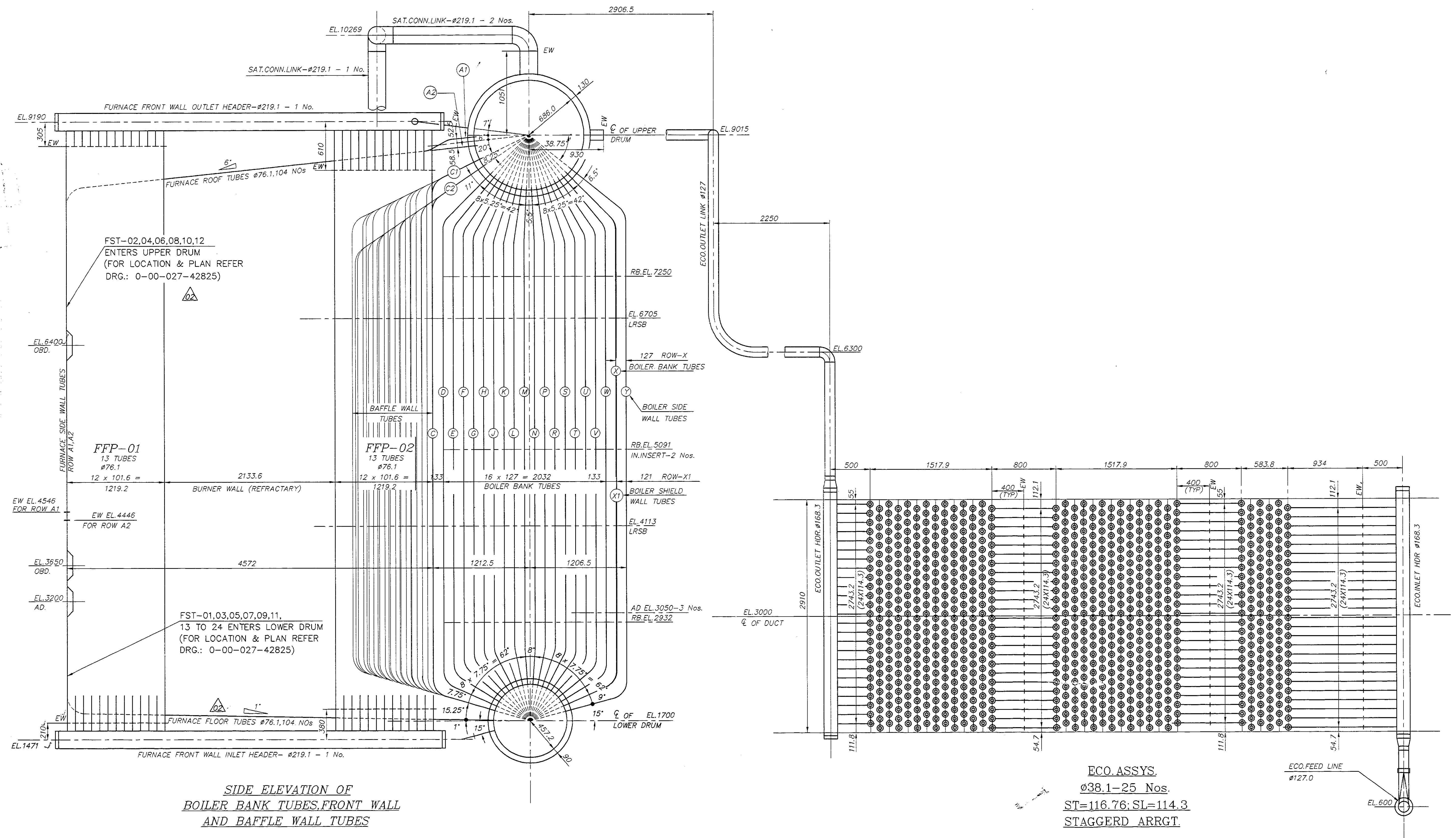
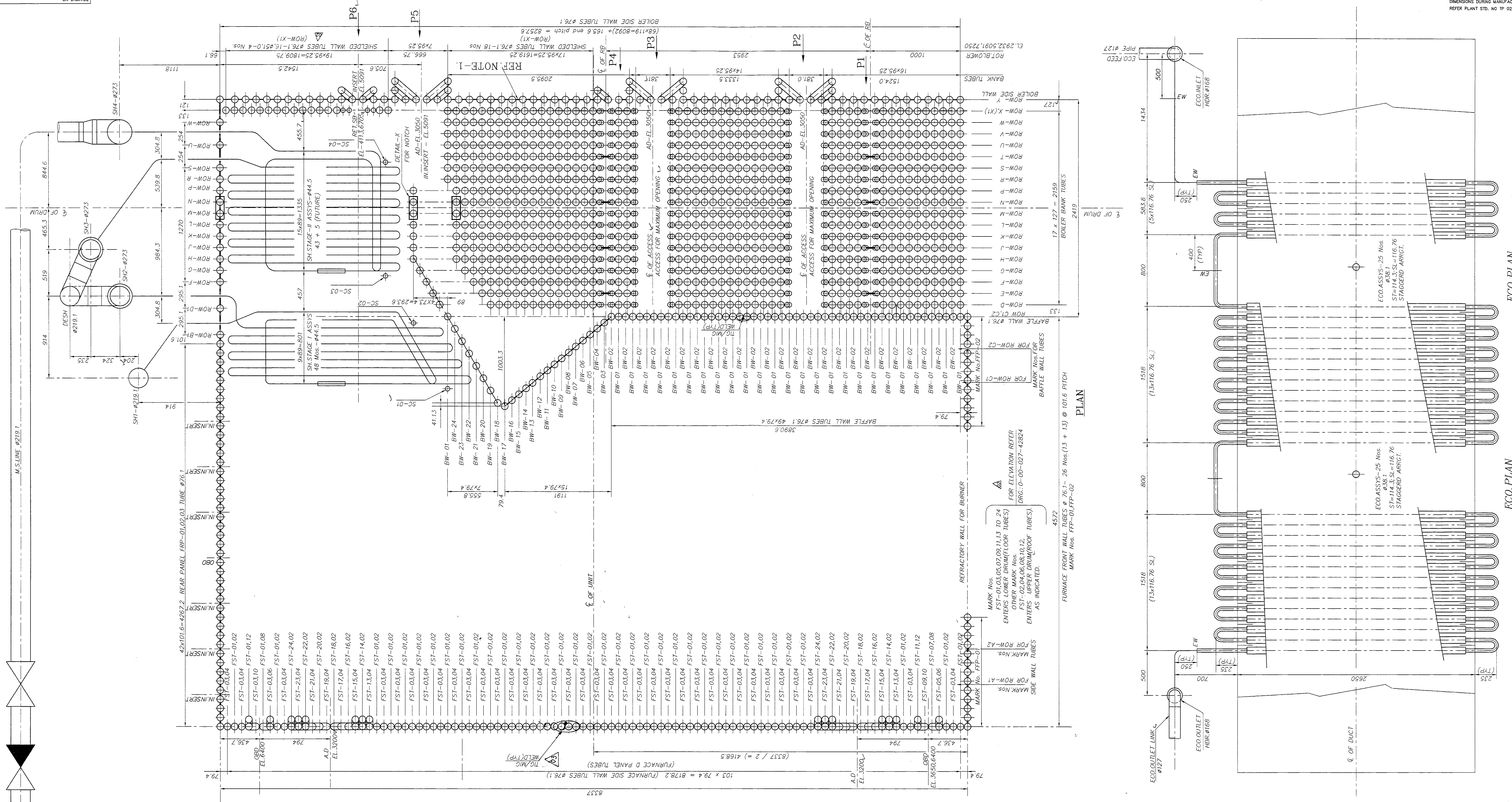




REF.DRG:-
1.PPA-PAN OVER FURNACE & BANK TUBES. 0-00-027-42825
2.PPA-SH-STAGE-I VIEW & DETAILS. 0-00-027-42826
3.PPA-SH-STAGE-II VIEW & DETAILS. 0-00-027-42827
4.PPA-PAN OVER LINKS & DETAILS. 0-00-027-42828
5. GENERAL ARRANGEMENT OF BOILER. 0.00-022.72122
ELEVATION & PLAN
* BOM OF PRESSURE PARTS INDICATED IN THE DRAWING:
0.00-023-42823 (INCLUDED IN THE INSPECTION DATA BOOK)
LEGEND:-
OSD - OBSERVATION DOOR - 100x254 MM APPROX
AD - ACCESS DOOR - 400x450 MM APPROX
LRSB - LONG RETRACTABLE? - 128 MM. APPROX.
SOOT BLOWER

PKG.NO 1 9 3			PROJ. DRG. NO. 1 9 3 0 7 1 3 0 1 6 0 2 1												
			KONARK MET COKE LIMITED COKE OVEN & POWER PLANT KALINGAA NAGAR INDUSTRIAL COMPLEX, DUBURI, ORISSA 2 X 65 T/Hr ; 61 Kg/Cm ² (G) 482 °C CUST No : 0475 & 0476												
			CONSULTANT METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED. 55 MW COMBINED CYCLE COGENERATION POWER PLANT Bharat Heavy Electricals Limited UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPPALLI - 620014												
REV DATE ALTERED : 01 18-12-19 CHD & APPD G.M.S			REV DATE ALTERED : 01 18-12-19 CHD & APPD G.M.S DRG. TITLE BLOCK ALTERED DRG. REVISION AND REPLOTTED												
C. PALANI			C. PALANI SCALE N.T.S. DIMENSIONS ARE IN MM												
A. UTHAYAN			A. UTHAYAN SCALE N.T.S. DIMENSIONS ARE IN MM												
G.M.S			G.M.S SCALE N.T.S. DIMENSIONS ARE IN MM												
PROJ. DRG. NO. 1 9 3 0 7 1 3 0 1 6 0 2 1			PPA-SECTIONAL FRONT ELEVATION DRAWING NO : 0-00-027-42824												



MARK No. FOR BOILER BANKTUBES ROW-D TO ROW-X

SL.No. FROM FURNACE FRONT WALL	DIA	QTY.	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	X
01 TO 10	76.1	10	BB-01	BB-02	BB-03	BB-04	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-09	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02	BB-01
11 (RBF)	51	01	BB-10	BB-11	BB-12	BB-13	BB-14	BB-15	BB-16	BB-17	BB-18	BB-18	BB-18	BB-17	BB-16	BB-15	BB-14	BB-13	BB-12	BB-11
12 (RBF)	51	01	BB-19	BB-20	BB-21	BB-22	BB-23	BB-24	BB-25	BB-26	BB-27	BB-27	BB-27	BB-26	BB-25	BB-24	BB-23	BB-22	BB-21	BB-20
13 TO 16	76.1	04	BB-01	BB-02	BB-03	BB-04	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02
17 (ADF)	51	01	BB-28	BB-29	BB-30	BB-31	BB-32	BB-33	BB-34	BB-35	BB-36	BB-36	BB-36	BB-35	BB-34	BB-33	BB-32	BB-31	BB-30	BB-29
18 (ADR)	51	01	BB-37	BB-38	BB-39	BB-40	BB-41	BB-42	BB-43	BB-44	BB-45	BB-45	BB-45	BB-44	BB-43	BB-42	BB-41	BB-40	BB-39	BB-38
19 TO 31	76.1	13	BB-01	BB-02	BB-03	BB-04	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02
32 (ADF)	51	01	BB-28	BB-29	BB-30	BB-31	BB-32	BB-33	BB-34	BB-35	BB-36	BB-36	BB-36	BB-35	BB-34	BB-33	BB-32	BB-31	BB-30	BB-29
33 (ADR)	51	01	BB-37	BB-38	BB-39	BB-40	BB-41	BB-42	BB-43	BB-44	BB-45	BB-45	BB-45	BB-44	BB-43	BB-42	BB-41	BB-40	BB-39	BB-38
34, 35	76.1	02	BB-01	BB-02	BB-03	BB-04	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02
36 (RBF)	51	01	BB-10	BB-11	BB-12	BB-13	BB-14	BB-15	BB-16	BB-17	BB-18	BB-18	BB-18	BB-17	BB-16	BB-15	BB-14	BB-13	BB-12	BB-11
37 (RBF)	51	01	BB-19	BB-20	BB-21	BB-22	BB-23	BB-24	BB-25	BB-26	BB-27	BB-27	BB-27	BB-26	BB-25	BB-24	BB-23	BB-22	BB-21	BB-20
38 TO 50	76.1	13	BB-01	BB-02	BB-03	BB-04	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02
51	76.1	1	BB-02	BB-03	BB-04	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02	BB-01
52	76.1	1	BB-03	BB-04	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02	BB-01	BB-00
53	76.1	1	BB-04	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02	BB-01	BB-00	BB-00
54	76.1	1	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02	BB-01	BB-00	BB-00	BB-00
55	76.1	1	BB-06	BB-07	BB-08	BB-09	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02	BB-01	BB-00	BB-00	BB-00	BB-00
Baffle Wall	76.1	1	BB-01	BB-02	BB-03	BB-04	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02	BB-01
Boiler Rear Wall	76.1	1	BB-02	BB-03	BB-04	BB-05	BB-06	BB-07	BB-08	BB-09	BB-09	BB-08	BB-07	BB-06	BB-05	BB-04	BB-03	BB-02	BB-01	BB-00

RBF = ROTARY BLOWER FRONT; RBR = ROTARY BLOWER REAR; ADF = ACCESS FRONT; ADR = ACCESS REAR.

MARK No. BSH-01 TO BSH-05 FOR ROW -X1

SL.No. FROM FRONT WALL	DIA	QTY.	Y
38 TO 57	76.1	10	BSH-01
58	51	1	BSH-03
59	51	1	BSH-02
60	51	1	BSH-04
61	51	1	BSH-05
FOR SB			
62 TO 75	76.1	24	BSH-01

MARK No. BRT-15 FOR ROW B (REAR WALL)

SL.No. FROM FRONT WALL	DIA	QTY.	B	D1
BOILER REAR WALL	76.1	1	BRT-15	BRT-01

NOTES:-

- MK.No. BRT-15 ONE END ENTERS IN UPPER
DRUM & OTHER END MATCHES WITH THE
FUR.FRONT WALL INLET HDR.
- MK.No. SC-01, SC-02, SC-03, SC-04, EACH
1 No. FOR SPACING OF SUPERHEATERS ARE
PART OF BANK TUBES.

MARK No. BST-01 TO BST-13 & BRT-16

SL.No. FROM FRONT WALL	DIA	QTY.	Y
1	76.1	1	BST-01
2 TO 8, 11, 12, 13	76.1	51	BST-02
18 TO 27, 32, 33	76.1	51	BST-02
35 TO 49	76.1	51	BST-02
54, 55, 56	76.1	51	BST-02
59 TO 69	76.1	51	BST-02
9 (RBF)	76.1	1	BST-03
10 (RBF)	76.1	1	BST-04
14, 28, 50 (ACC)	76.1	3	BST-05
15, 29 (ACC)	76.1	2	BST-06
16, 30 (ACC)	76.1	2	BST-07
17, 31, 53 (ACC)	76.1	3	BST-08
34 (ACC)	76.1	1	BST-09
57 (ACC)	76.1	1	BST-10
58 (RBF)	76.1	1	BST-11
70	76.1	1	BST-12
51	76.1	1	BST-13
52	76.1	1	BST-13

REF.DRG:-

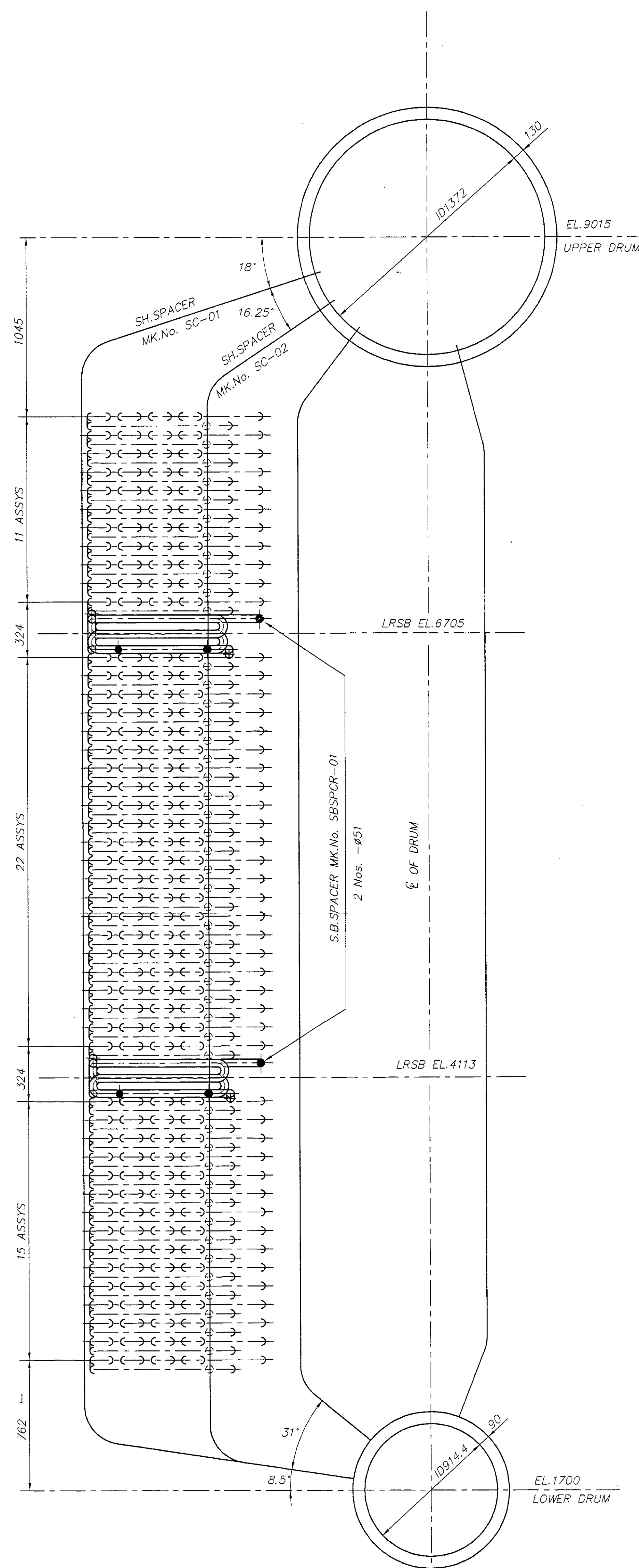
- PPA-SECTIONAL FRONT ELEVATION:-
- PPA SH.STAGE-I VIEW & DETAILS.
- PPA SH.STAGE-II VIEW & DETAILS.
- PPA-PLAN OVER LINKS & DETAILS.

0-00-027-42824
0-00-027-42825
0-00-027-42827
0-00-027-42828

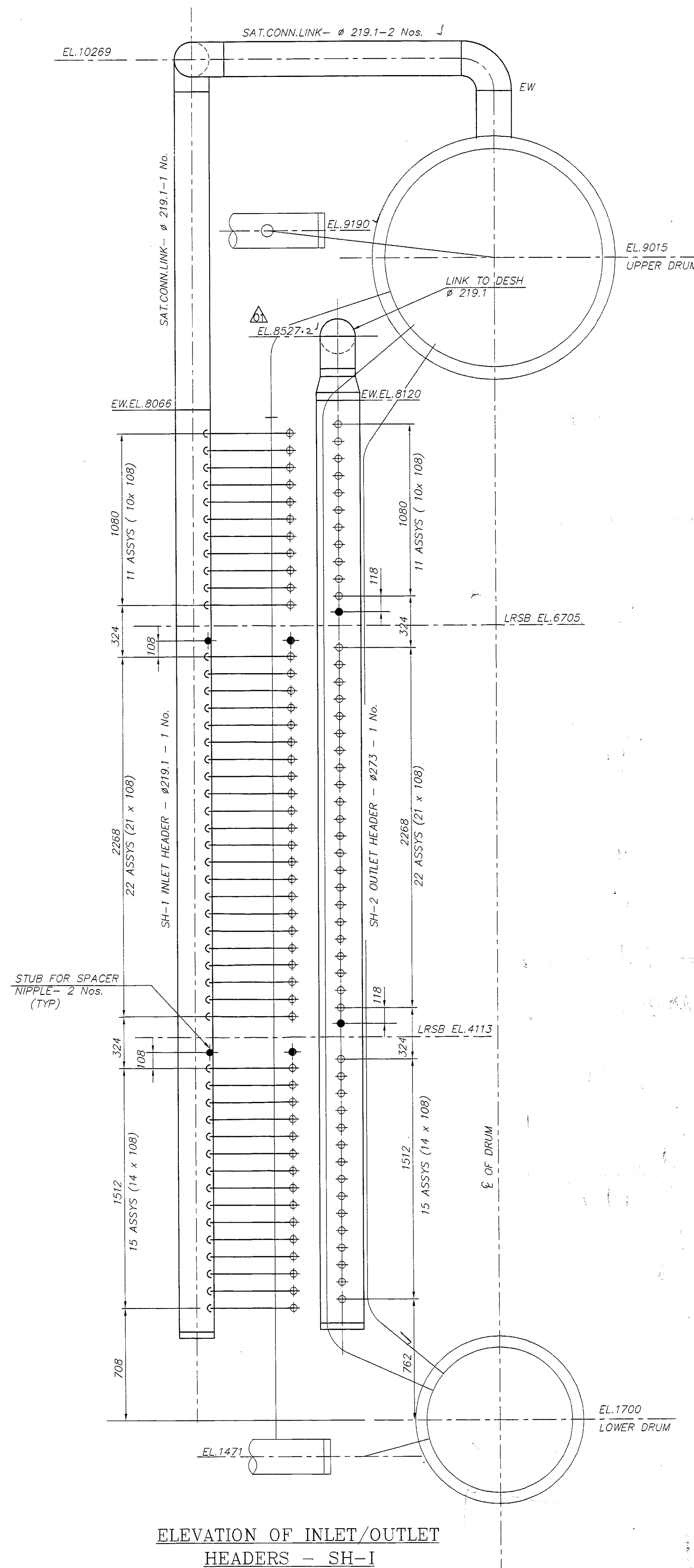
NOTES:-

- EXCEPT FURNACE FRONT/REAR WALL TUBES ALL OTHER
TUBES ARE SUPPLIED AS LOOSE TUBES.
CARBON STEEL FLATS OF 6mm THICK ARE TO BE PLACED
IN BETWEEN TUBES AND WELDED BY
MIG/ARC WELDING TO MAINTAIN GAS TIGHTNESS.
FIN TO FIN WELDING TO BE DONE AT SITE WHEREVER NECESSARY
TO MAINTAIN GAS TIGHTNESS
- MARK Nos. FOR ROWS D TO X, Y - REFER TABLE

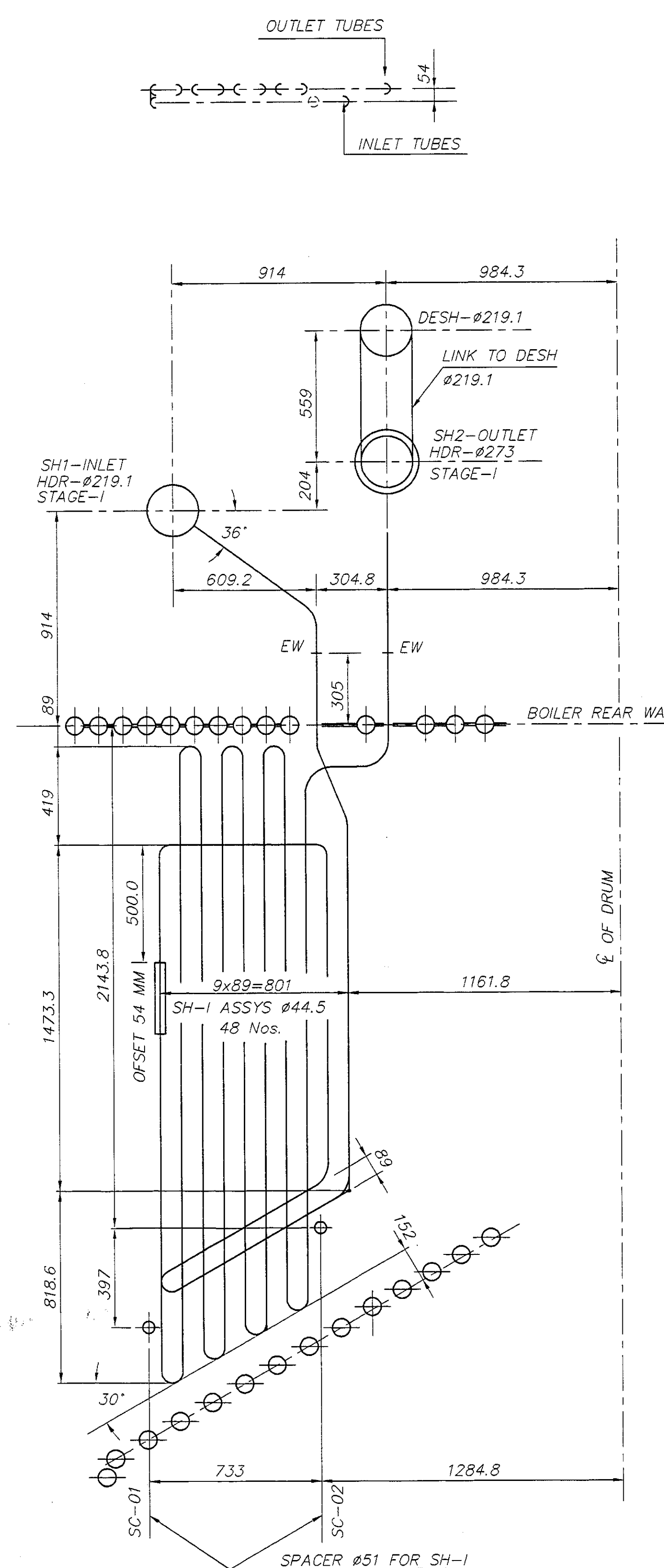
PKG. NO	1	9	3	PROJ. DRG. NO.	1	9	3	0	7	1	3	0	1	6	0	8	0
KONARK MET COKE LIMITED																	
COKE OVEN & POWER PLANT																	
KALINGA NAGAR INDUSTRIAL COMPLEX, DUBURI, ORISSA																	
2 X 65 T/Hr ; 61 Kg/cm ² (G) 482 ° C CUST No : 0475 & 0476																	
METALLURGICAL & ENGINEERING																	
CONSULTANTS (INDIA) LIMITED.																	
55 MW COMBINED CYCLE COGENERATION POWER PLANT																	
Bharat Heavy Electricals Limited																	
UNIT: HIGH PRESSURE BOILER PLANT																	
TRICHURAPALLI - 620014																	
PPA-PLAN OVER																	
FURNACE & BANK TUBES																	
DRAWING NO: 0-00-027-42825																	
REV 03																	



ELEVATION OF SH-I ASSYS.



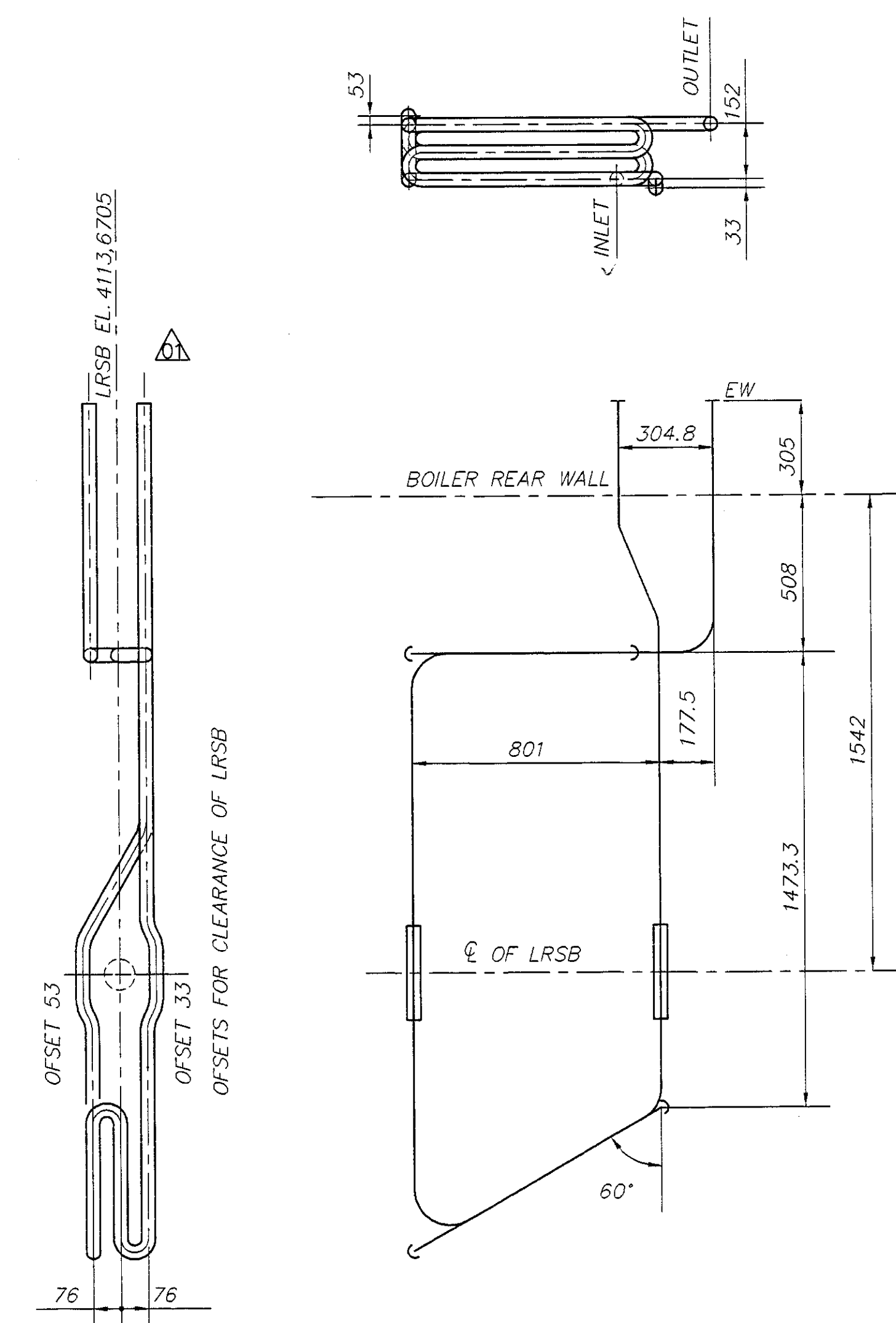
ELEVATION OF INLET/OUTLET
HEADERS - SH-I



SH-I ASSYS
PLAN VIEW

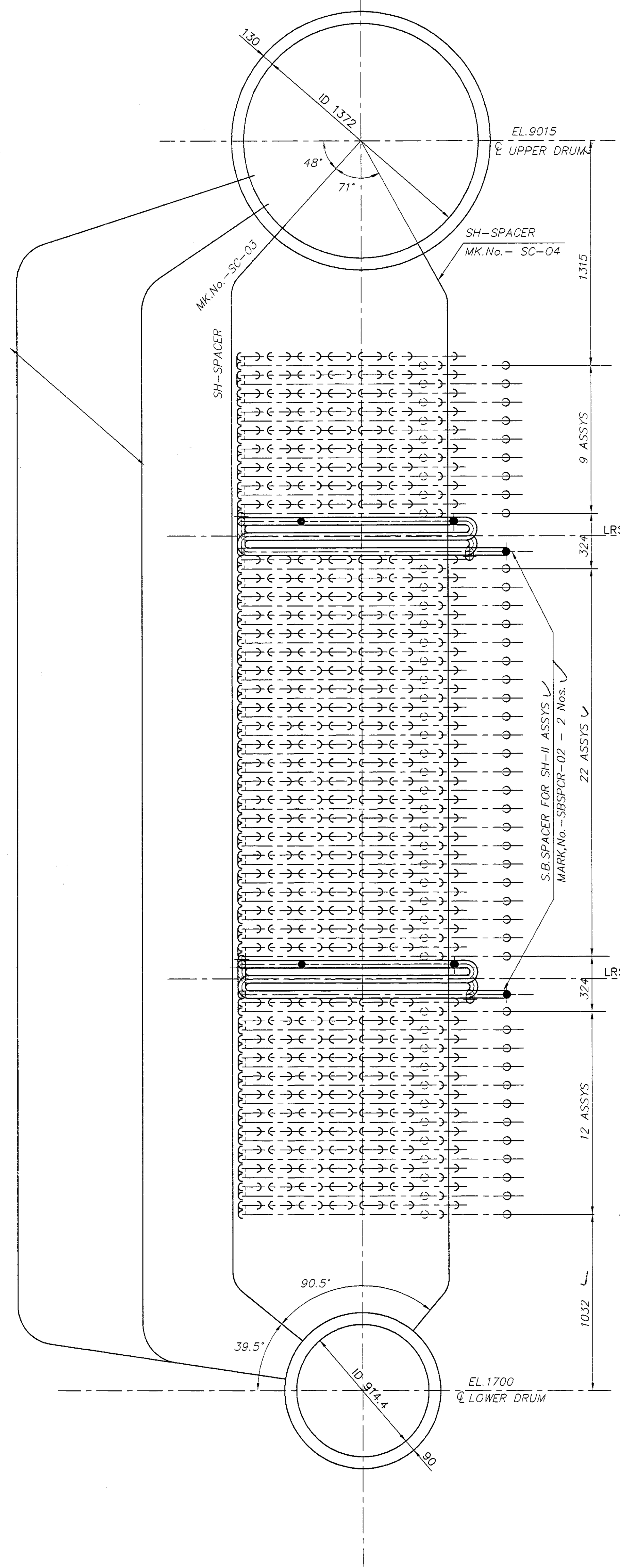
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- 1.PPA-SECTIONAL FRONT ELEVATION. 0-00-027-42824
 - 2.PPA-PLAN OVER FURNACE & BANK TUBES. 0-00-027-42825
 - 3.PPA SH.STAGE-I VIEW & DETAILS. 0-00-027-42826
 - 4.PPA SH.STAGE-II VIEW & DETAILS. 0-00-027-42827
 - 5.PPA-PLAN OVER LINKS & DETAILS. 0-00-027-42828
- LRSB...LONG RECRATABLE SOOT BLOWER

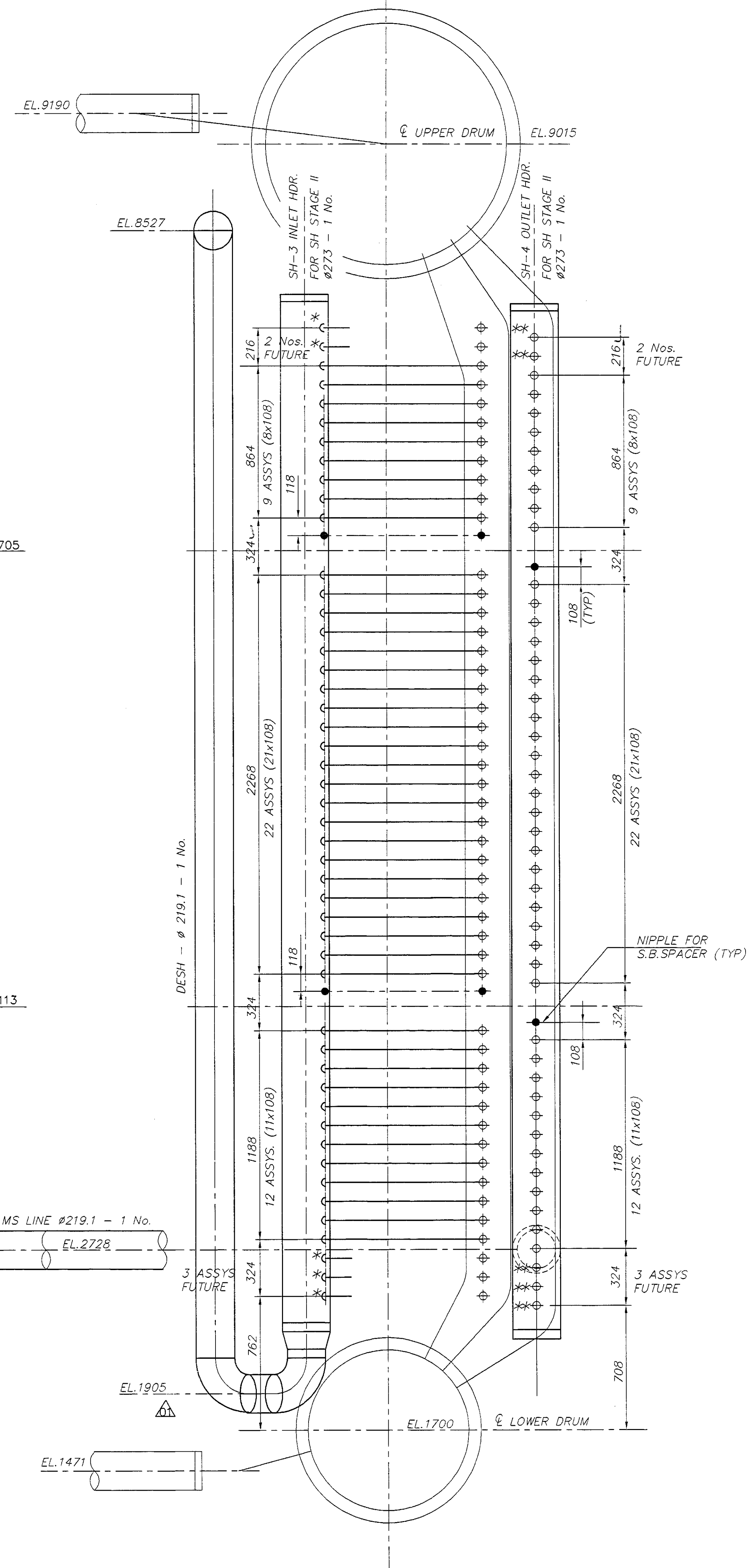


S.B.SPACER FOR SH-I ASSYS
MARK - No. SBSPCR-01 - 2 Nos. 051
PLAN VIEW

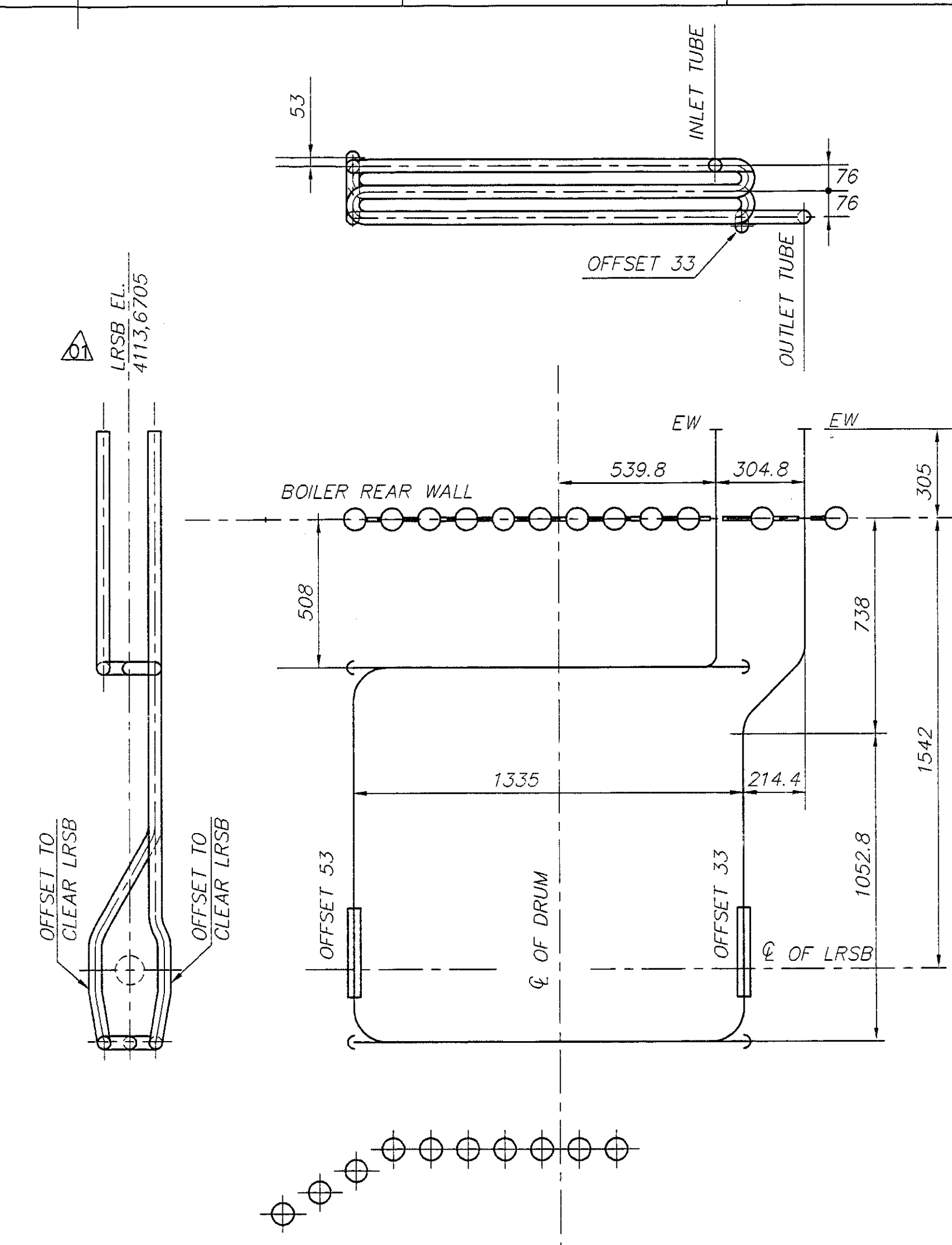
PKG.NO	1	9	3	PROJ. DRG. NO.	1	9	3	0	7	1	3	0	1	6	0	8	1
KONARK MET COKE LIMITED COKE OVEN & POWER PLANT KALINGAA NAGAR INDUSTRIAL COMPLEX, DUBURI, ORISSA 2 X 65 T/Hr : 61 Kg/Cm ² (G) 482 °C CUST No : 0475 & 0476																	
CONSULTANT METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED.																	
55 MW COMBINED CYCLE COGENERATION POWER PLANT Bharat Heavy Electricals Limited UNIT: HIGH PRESSURE BOILER PLANT TRUGHIRAPALLU - 620014																	
DRAWING NO : 0-00-027-42826																	
TITLE : PPA-SH.STAGE-I -VIEW & DETAILS																	
ALL DIMENSIONS ARE IN MM																	
REV : 01																	



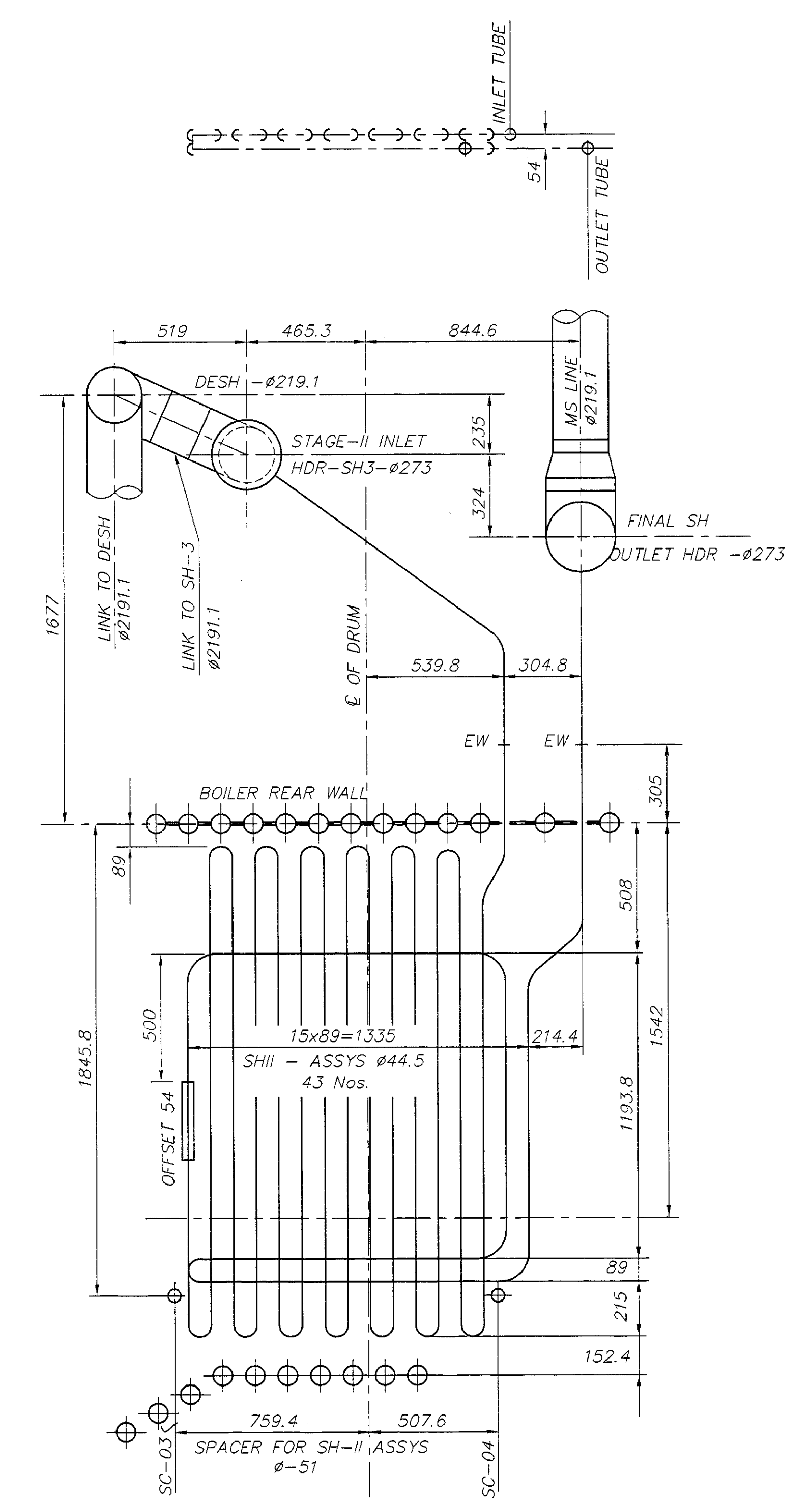
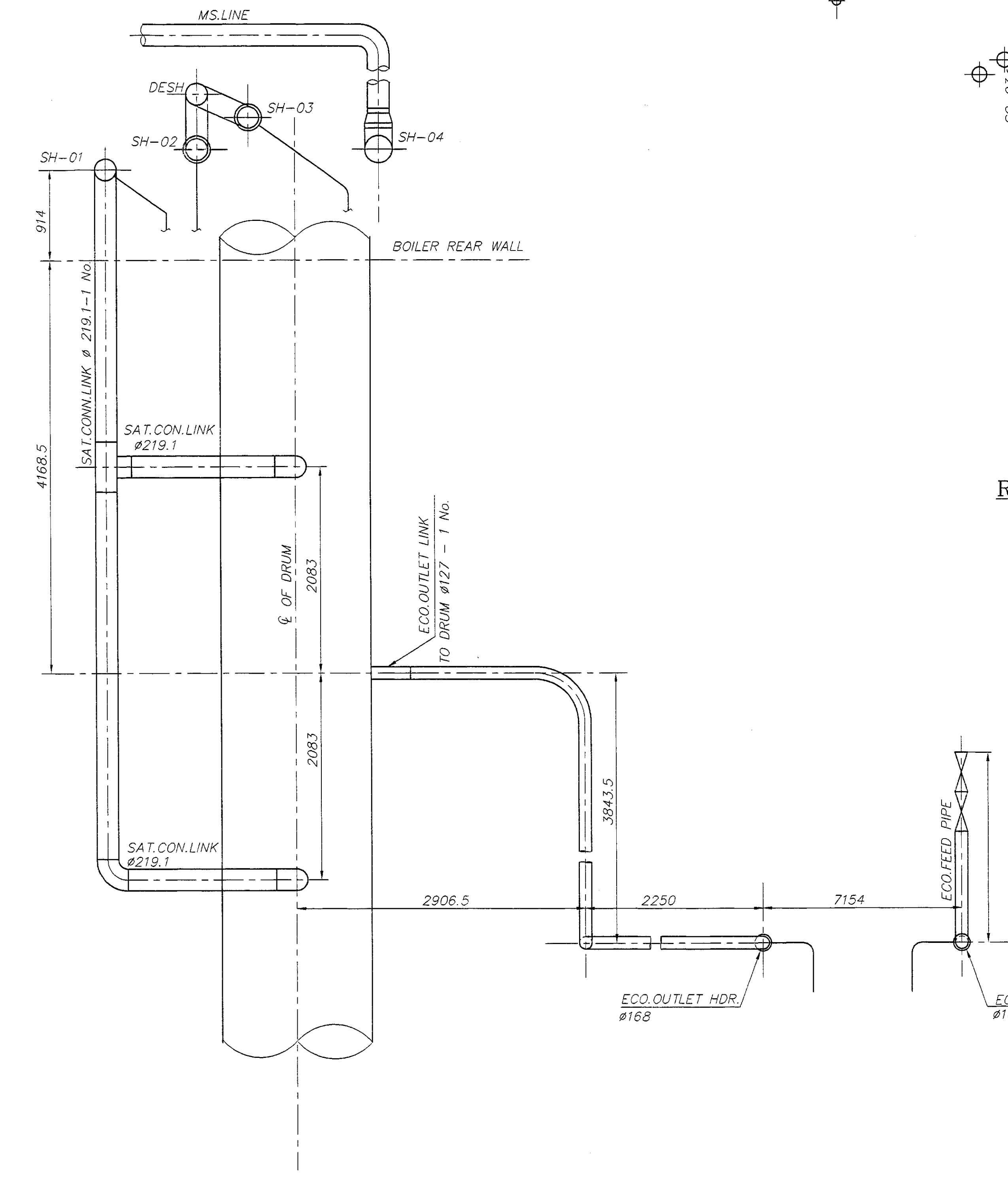
ELEVATION OF SH-II ASSYS.



* FUTURE ASSYS.
 ** NIPPLES TO BE BLANKED.
ELEVATION OF INLET/OUTLET
HEADERS FOR SH-STAGE II



S.B.SPACER FOR SH-II ASSYS
MARK No. SBSPCR-2 - 2 Nos.-051
PLAN VIEW



SH-II ASSYS
PLAN VIEW

REF. DRG. =

1. PPA-SECTIONAL SIDE ELEVATION.	0-00-027-42824
2. PPA-PLAN OVER FURNACE & BANK TUBES.	0-00-027-42825
3. PPA SH.STAGE-I VIEWS & DETAILS.	0-00-027-42826
4. PPA SH.STAGE-II VIEWS & DETAILS.	0-00-027-42827
5. PPA-PLAN OVER LINKS & DETAILS.	0-00-027-42828

LRSB...LONG RETRACTABLE SOOTBLOWER

PKG.NO.	1	9	3	PROJ. DRG. NO.	1	9	3	0	7	1	3	0	1	6	0	8	2
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KONARK MET COKE LIMITED

COKE OVEN & POWER PLANT
KALINGAA NAGAR INDUSTRIAL COMPLEX, DUBURI, ORISSA

2 X 65 T/Hr ; 61 Kg/Cm² (G) 482 °C CUST NO : 0475 & 0476



METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED.

55 MW COMBINED CYCLE COGENERATION POWER PLANT
Bharat Heavy Electricals Limited

UNIT, HIGH PRESSURE BOILER PLANT
TIRUCHIRAPPALLI - 820014

	NAME	SIGNATURE	DATE
DRG. NO. 19-498			19. 4. 98
APPD. NO. 19-4-98			19. 4. 98
PROJECTION	SCALE		
	N.T.S		

TITLE

PPA-SH STAGE-II

VIEW & DETAILS

DRAWING NO. : 00-00-027-42827

REV. : 01

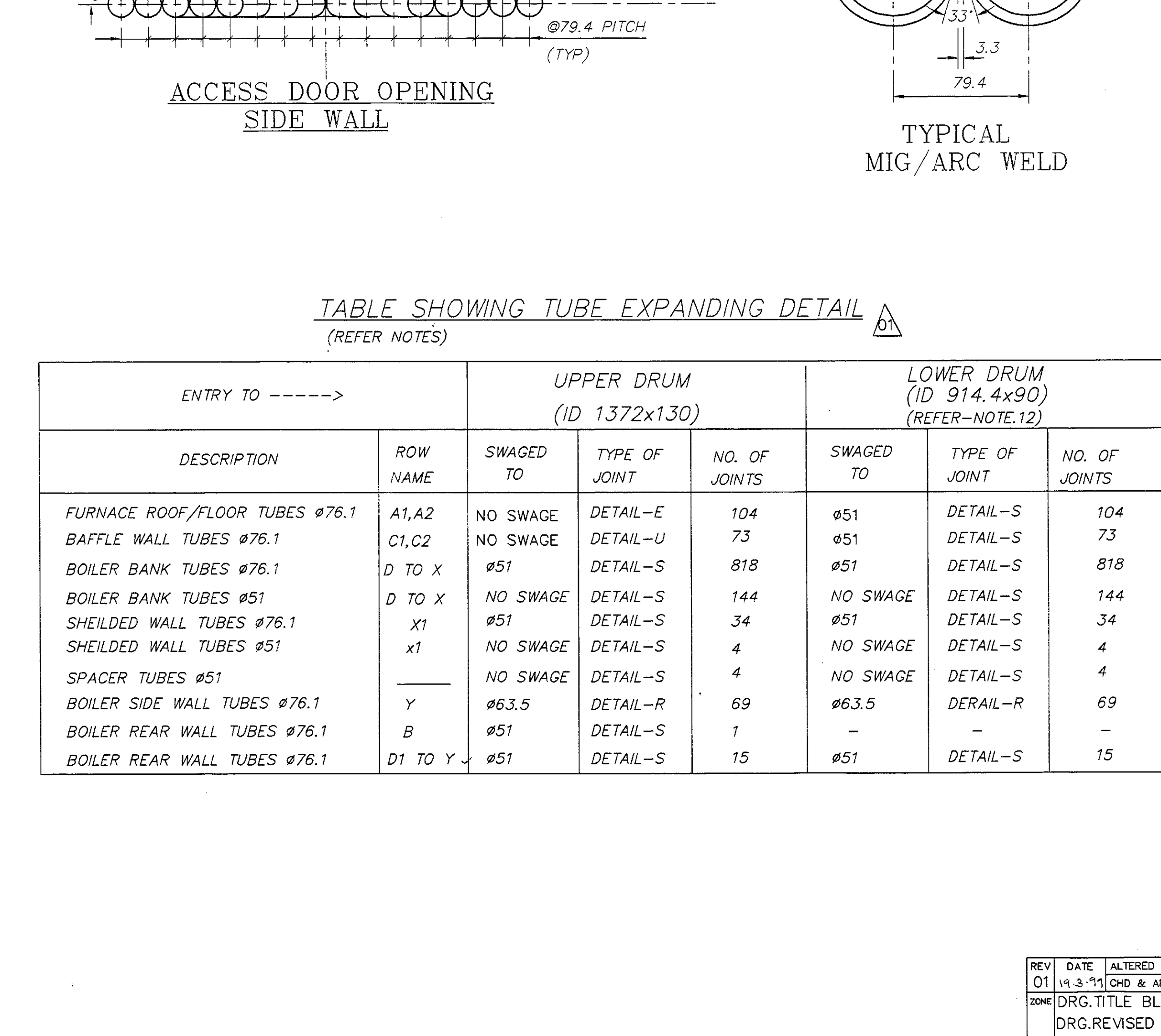
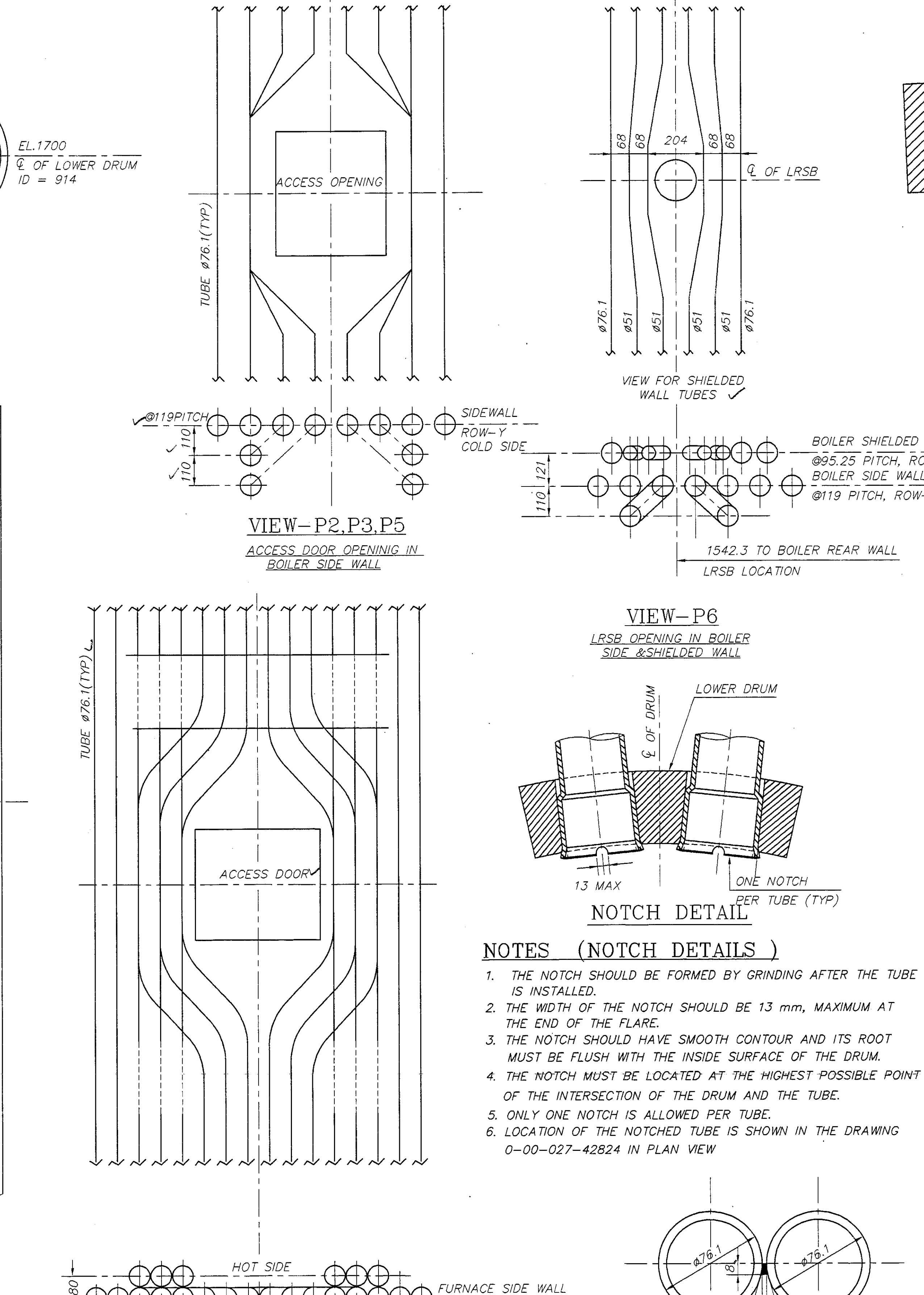
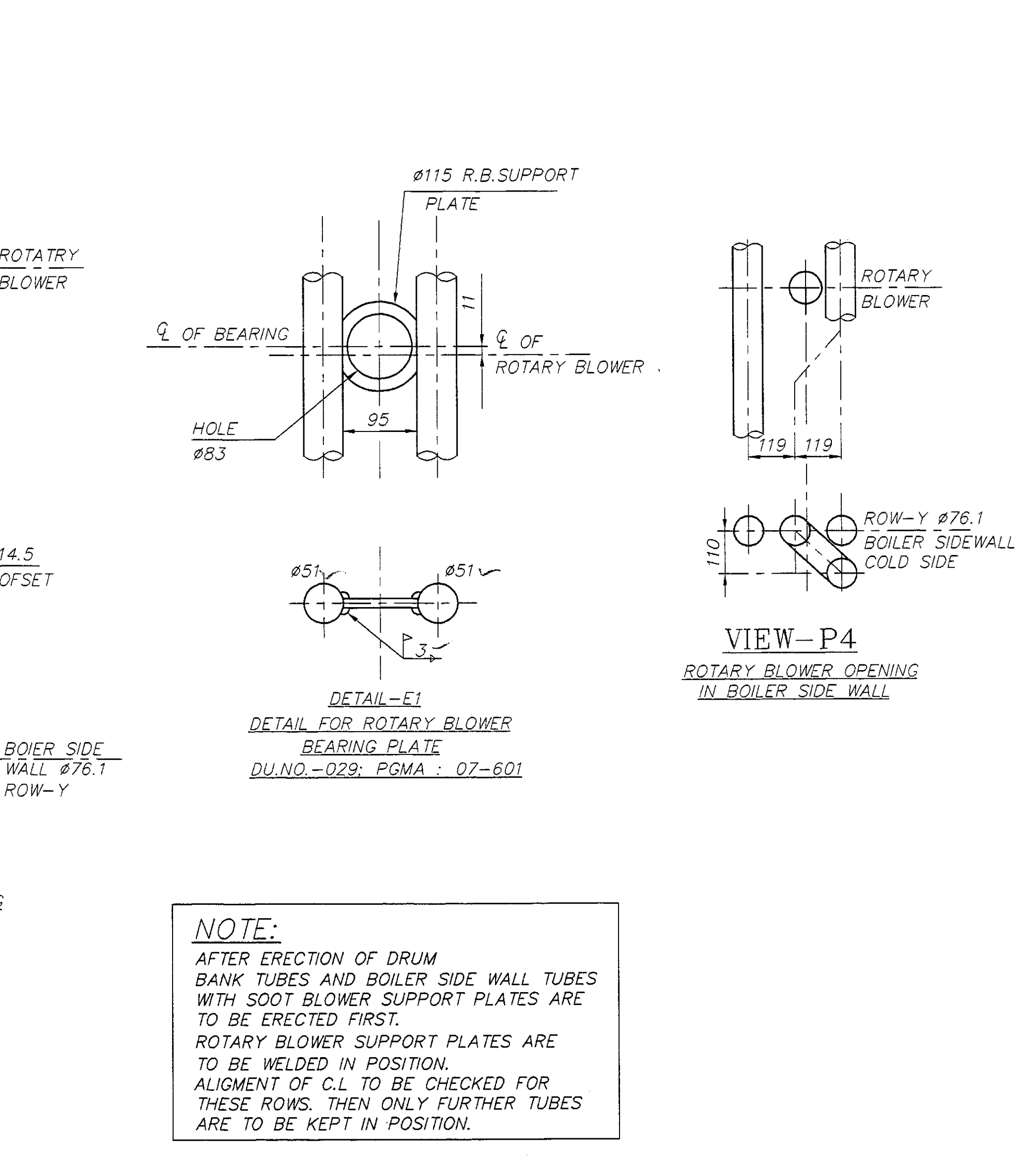
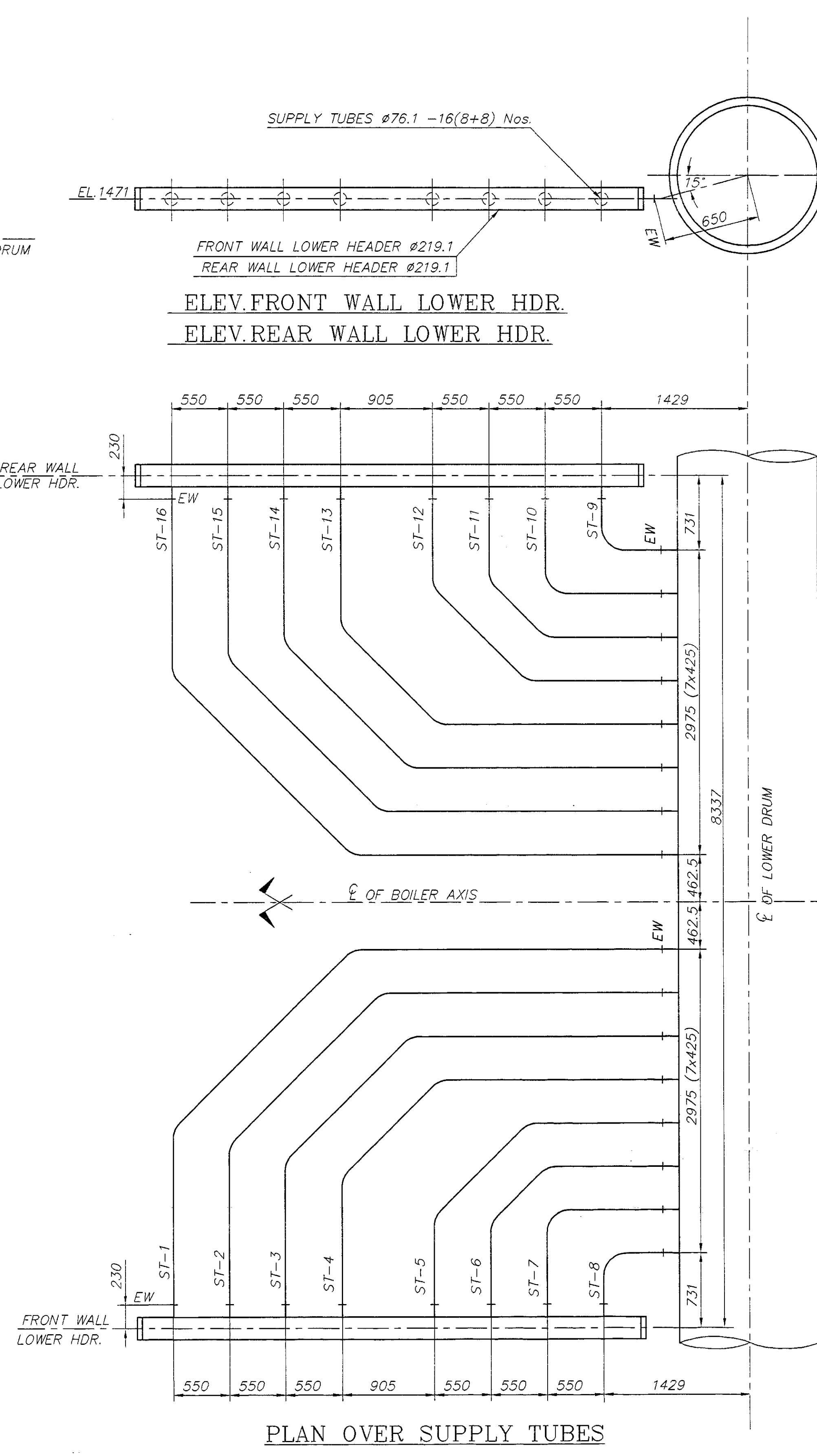
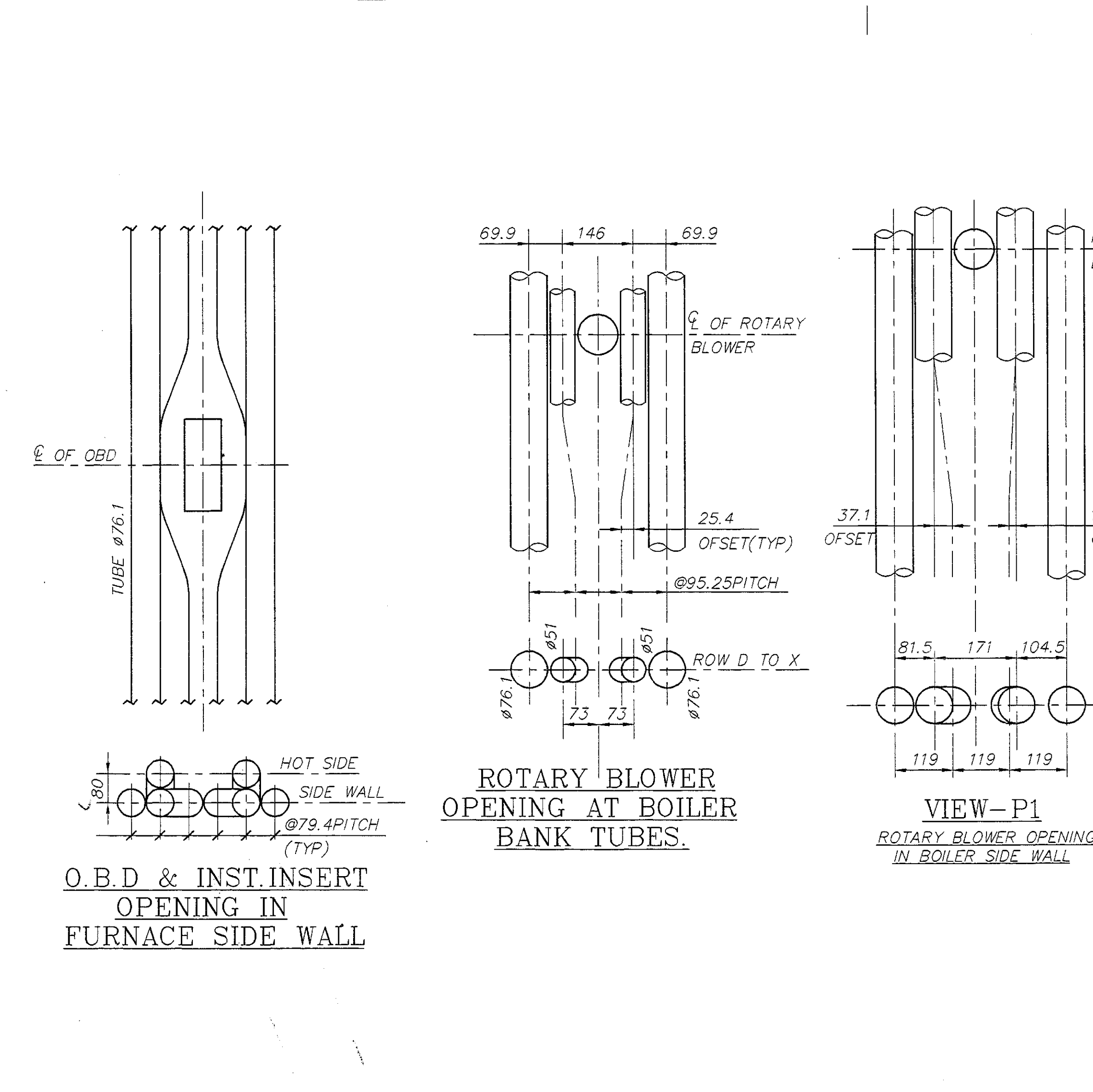
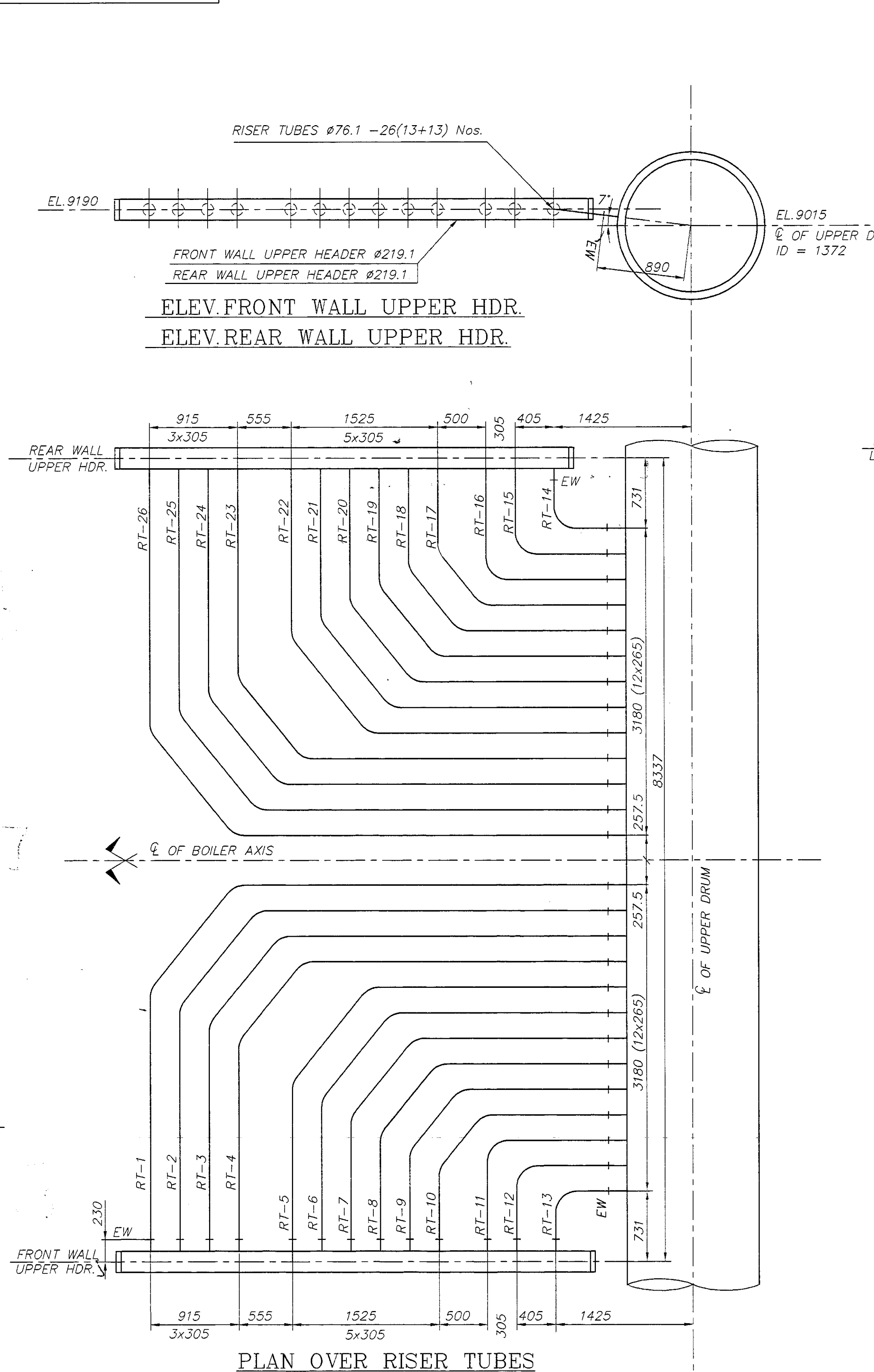


TABLE SHOWING TUBE EXPANDING DETAIL (REFER NOTES)

ENTRY TO	UPPER DRUM (ID 1372x130)				LOWER DRUM (ID 914.4x90) (REFER-NOTE.12)			
	DESCRIPTION	ROW NAME	SWAGED TO	TYPE OF JOINT	NO. OF JOINTS	SWAGED TO	TYPE OF JOINT	NO. OF JOINTS
FURNACE ROOF/FLOOR TUBES #76.1	A1,A2	NO SWAGE	DETAIL-E	104	#51	DETAIL-S	104	
	C1,C2	NO SWAGE	DETAIL-U	73	#51	DETAIL-S	73	
	D TO X	#51	DETAIL-S	818	#51	DETAIL-S	818	
	BOILER BANK TUBES #51	D TO X	NO SWAGE	DETAIL-S	144	NO SWAGE	DETAIL-S	144
	SHEILDED WALL TUBES #76.1	X1	#51	DETAIL-S	34	#51	DETAIL-S	34
	SHEILDED WALL TUBES #51	X1	NO SWAGE	DETAIL-S	4	NO SWAGE	DETAIL-S	4
	SPACER TUBES #51		NO SWAGE	DETAIL-S	4	NO SWAGE	DETAIL-S	4
	BOILER SIDE WALL TUBES #76.1	Y	#63.5	DETAIL-R	69	#63.5	DETAIL-R	69
	BOILER REAR WALL TUBES #76.1	B	#51	DETAIL-S	1			
	BOILER REAR WALL TUBES #76.1	D1 TO Y	#51	DETAIL-S	15	#51	DETAIL-S	15

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER PLANT STD. NO TP 023 0299

DETAIL-E

DETAIL-U

DETAIL-R

DETAIL-S

NOTES (NOTCH DETAILS)

- THE NOTCH SHOULD BE FORMED BY GRINDING AFTER THE TUBE IS INSTALLED.
- THE WIDTH OF THE NOTCH SHOULD BE 13 mm, MAXIMUM AT THE END OF THE FLARE.
- THE NOTCH SHOULD HAVE SMOOTH CONTOUR AND ITS ROOT MUST BE FLUSH WITH THE INSIDE SURFACE OF THE DRUM.
- THE NOTCH MUST BE LOCATED AT THE HIGHEST POSSIBLE POINT OF THE INTERSECTION OF THE DRUM AND THE TUBE.
- ONLY ONE NOTCH IS ALLOWED PER TUBE.
- LOCATION OF THE NOTCHED TUBE IS SHOWN IN THE DRAWING 0-00-027-42824 IN PLAN VIEW

NOTCH DETAIL

TYPICAL MIG/ARC WELD

REF. DRG. :-

- PPA-SECTIONAL FRONT ELEVATION. 0-00-027-42824
- PPA-PLAN OVER FURNACE & BANK TUBES. 0-00-027-42825
- PPA SH.STAGE-I VIEW & DETAILS. 0-00-027-42826
- PPA SH.STAGE-II VIEW & DETAILS. 0-00-027-42827

PKG.NO 1 9 3 PROJ. DRG. NO. 1 9 3 0 7 1 3 0 1 6 0 8 3

KONARK MET COKE LIMITED

COKE OVEN & POWER PLANT

KALINGA NAGAR INDUSTRIAL COMPLEX, DUBURI, ORISSA

2 X 65 T/Hr : 61 Kg/cm² (G) 482 ° C CUST No : 0475 & 0476

CONSULTANT

METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED.

55 MW COMBINED CYCLE COGENERATION POWER PLANT

Bharat Heavy Electricals Limited

UNIT: HIGH PRESSURE BOILER PLANT

TRICHIRAPALLI - 620014

NAME C. PALANI DATE 13.10.18

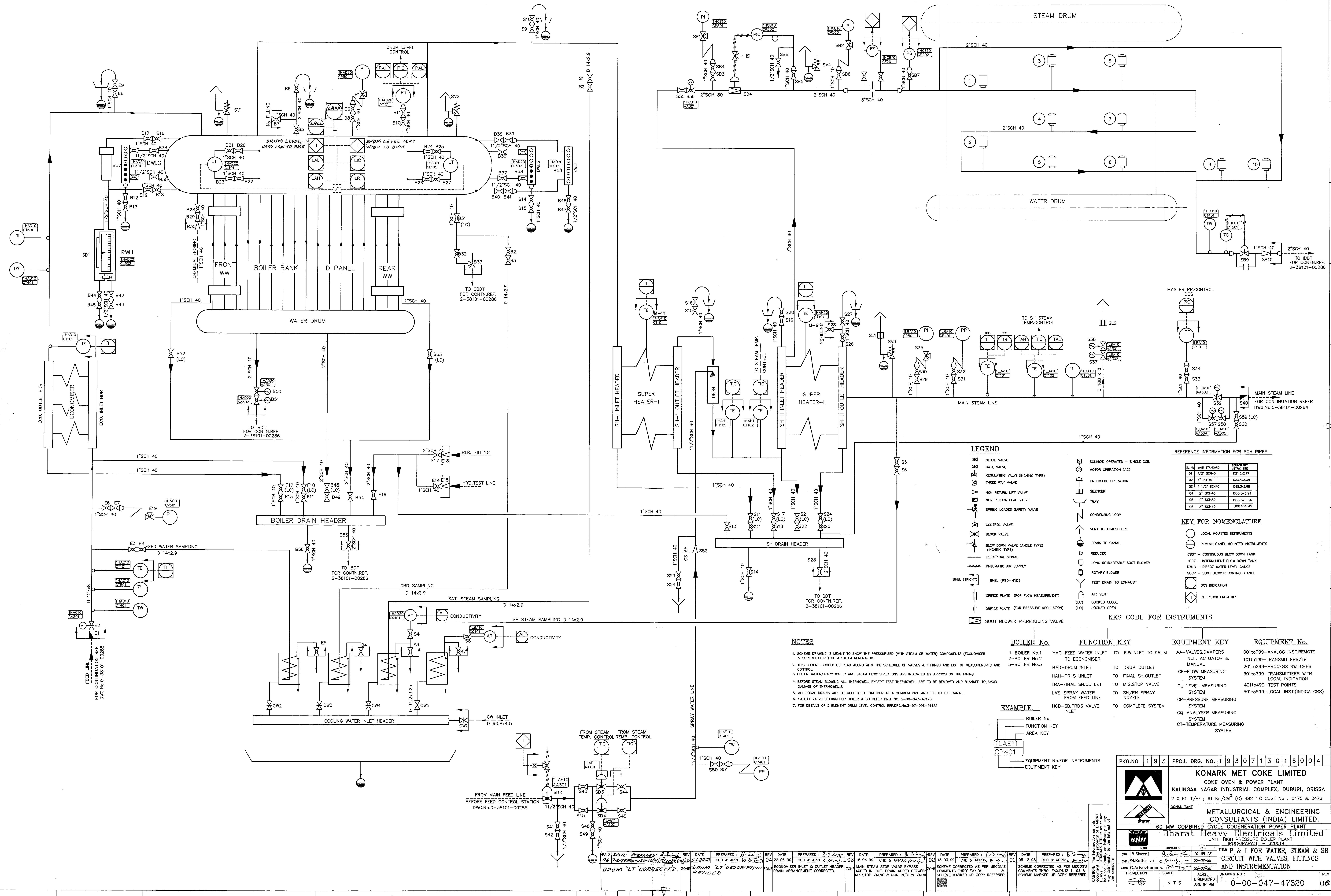
SIGNATURE A. UTHAYAN DATE 13.10.18

DRG. TITLE BLOCK ALTERED

DRG. REVISED AND REPLOTED

CAUTION: The information on this drawing is the property of Bharat Heavy Electricals Ltd. It must not be used for any other purpose without the written consent of Bharat Heavy Electricals Ltd.

0-00-027-42828 01



PKG. NO. 193 PROJ. DRG. NO. 1930713016004

KONARK MET COKE LIMITED
COKE OVEN & POWER PLANT
KALINGA NAGAR INDUSTRIAL COMPLEX, DUBURI, ORISSA
2 X 65 T/hr : 61 Kg/cm² (G) 482 °C CUST No : 0475 & 0476

CONSULTANT
METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED.
60 MW COMBINED CYCLE COGENERATION POWER PLANT
UNIT: HIGH PRESSURE BOILER PLANT
Bharat Heavy Electricals Limited
TRICHURAPALLI - 520014

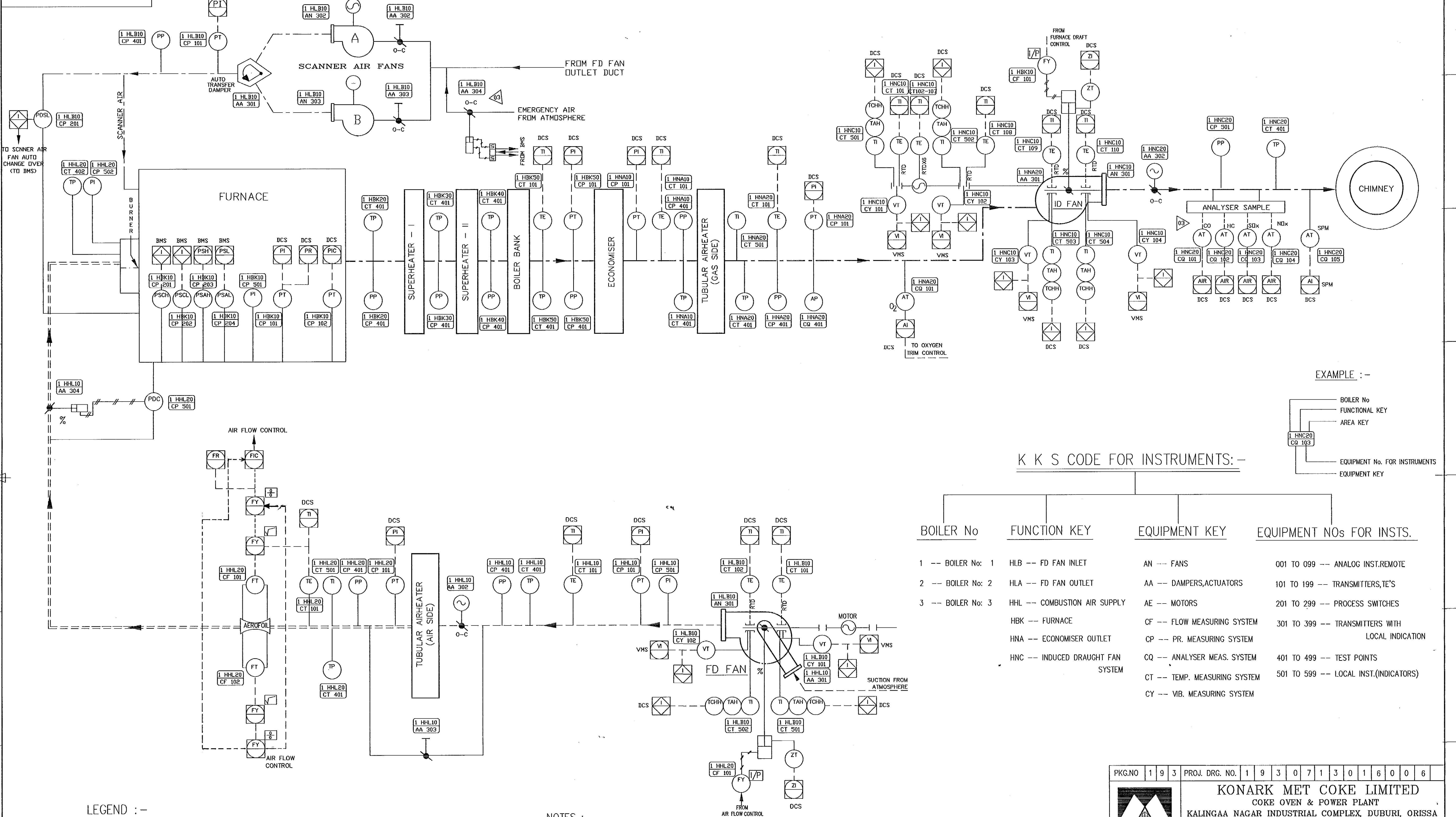
DESIGNER
NAME: B. S. S. SIGNATURE: B. S. S. DATE: 20-08-99
TITLE: P & I FOR WATER, STEAM & SB
CIRCUIT WITH VALVES, FITTINGS
AND INSTRUMENTATION

PROJECTOR
NAME: B. S. S. SIGNATURE: B. S. S. DATE: 22-08-99
SCALE: ALL DIMENSIONS ARE IN MM
DRAWING NO.: 0-00-047-47320

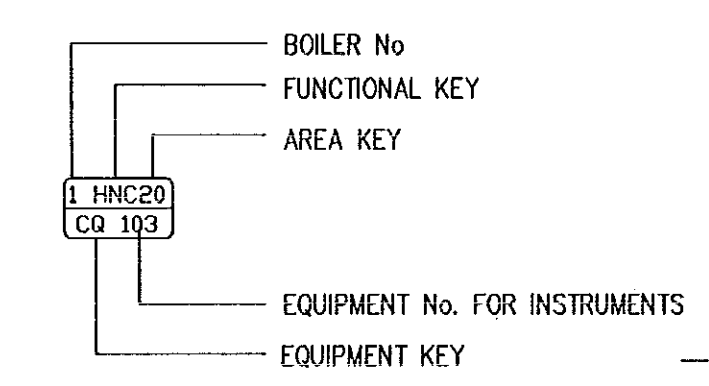
REVISIONS

REV	DATE	PREPARED BY	CHKD & APPD. BY	DESCRIPTION
01	12-08-99	B. S. S.	B. S. S.	SCHEME CORRECTED AS PER MCO'S COMMENTS THEY FAXED 13.11.98 & SCHEME MARKED UP COPY REFERRED.
02	12-08-99	B. S. S.	B. S. S.	SCHEME CORRECTED AS PER MCO'S COMMENTS THEY FAXED 13.11.98 & SCHEME MARKED UP COPY REFERRED.
03	12-08-99	B. S. S.	B. S. S.	SCHEME CORRECTED AS PER MCO'S COMMENTS THEY FAXED 13.11.98 & SCHEME MARKED UP COPY REFERRED.
04	12-08-99	B. S. S.	B. S. S.	SCHEME CORRECTED AS PER MCO'S COMMENTS THEY FAXED 13.11.98 & SCHEME MARKED UP COPY REFERRED.
05	12-08-99	B. S. S.	B. S. S.	SCHEME CORRECTED AS PER MCO'S COMMENTS THEY FAXED 13.11.98 & SCHEME MARKED UP COPY REFERRED.
06	12-08-99	B. S. S.	B. S. S.	SCHEME CORRECTED AS PER MCO'S COMMENTS THEY FAXED 13.11.98 & SCHEME MARKED UP COPY REFERRED.

1-97-288-90036



EXAMPLE :-



K K S CODE FOR INSTRUMENTS:-

BOILER No	FUNCTION KEY	EQUIPMENT KEY	EQUIPMENT NOS FOR INSTS.
1 -- BOILER No: 1	HLB -- FD FAN INLET	AN -- FANS	001 TO 099 -- ANALOG INST.REMOTE
2 -- BOILER No: 2	HLA -- FD FAN OUTLET	AA -- DAMPERS,ACTUATORS	101 TO 199 -- TRANSMITTERS,TE'S
3 -- BOILER No: 3	HHL -- COMBUSTION AIR SUPPLY	AE -- MOTORS	201 TO 299 -- PROCESS SWITCHES
	HBK -- FURNACE	CF -- FLOW MEASURING SYSTEM	301 TO 399 -- TRANSMITTERS WITH LOCAL INDICATION
	HNA -- ECONOMISER OUTLET	CP -- PR. MEASURING SYSTEM	401 TO 499 -- TEST POINTS
	HNC -- INDUCED DRAUGHT FAN SYSTEM	CQ -- ANALYSER MEAS. SYSTEM	501 TO 599 -- LOCAL INST.(INDICATORS)
		CT -- TEMP. MEASURING SYSTEM	
		CY -- VIB. MEASURING SYSTEM	

LEGEND :-

PP -- PRESSURE TEST POCKET	FLUE GAS LINE	ELECTRIC MOTOR OPERATED DAMPER
PT -- PRESSURE TRANSMITTER	HOT SEC. AIR LINE	HAND OPERATED DAMPER
PI -- PRESSURE INDICATOR	COLD SEC. AIR LINE	REMOTE CRT BASED INSTRUMENTS
TP -- TEMP. TEST POCKET	PNEUMATIC SIGNAL	
TE -- TEMP. ELEMENT	PNEUMATIC OPERATED DAMPER	
TI -- TEMP. INDICATOR	SCANNER AIR	
AT -- ANALYSER TRANSMITTER	LOCAL MOUNTED INSTRUMENT	
AP -- ANALYSER TEST POCKET	INTER LOCK	
O-C -- OPEN-CLOSE DAMPER		
% -- REGULATING DAMPER		

NOTES :-

1. ID FAN MOTOR WINDING IS PROVIDED WITH 6 NoS, PT-100, SIMPLEX,PLATINUM,3 WIRE RTD ELEMENTS.
2. BEARING OF FD FAN & ID FAN & HT MOTORS ARE PROVIDED WITH ONE No.DIAL TYPE THERMOMETER FOR LOCAL INDICATION & ONE No.DUPLX RTD FOR REMOTE INDICATION AT UCB.
3. ID FAN MOTOR IS A TWO SPEED MOTOR.
4. ALL REMOTE INSTRUMENTS ARE IN PED/HYD SCOPE. (FIELD TRANSMITTERS & TEMP.ELEMENTS ARE IN BHSL-T SCOPE.)
5. SCHEME SHOWN IS FOR BOILER : 1 ONLY , HOWEVER THE SCHEME IS IDENTICAL FOR OTHER BOILERS.

REV	DATE	PREPARED	CHD/APPD	REV	DATE	PREPARED	CHD/APPD
04				03	30-04-99	CHD/APPD	
02	02-03-99	CHD/APPD		01	04-12-98	CHD/APPD	

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used for any purpose other than the interest of the company.

PKG.NO	193	PROJ. DRG. NO.	1930713016006
KONARK MET COKE LIMITED COKE OVEN & POWER PLANT KALINGAA NAGAR INDUSTRIAL COMPLEX, DUBURI, ORISSA 3x65 T/Hr ; 62 kg/sq.cm (a) 482 deg.C; CUST.No:0475&0476			
CONSULTANT: METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED. 60 MW COMBINED CYCLE COGENERATION PLANT			
BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT, TRUCHIRAPALLI-820014.		DRN SKIRUBALANI SIGN -sd- DATE 19-08-98 NO OF VAR	
CHD R.MAYARAGHAVAN SIGN -sd- DATE 21-08-98 NO OF VAR		APPD R.SUNDARARAJ SIGN -sd- DATE 21-08-98 NO OF VAR	
DEPT C & I CODE 016	GRADE OF UNTO LDM C / M / F N.T.S	SCALE N.T.S	WRIGHT (KG) NIL
TITLE GAS FIRED BOILER - P & I DIAGRAM FOR AIR AND FLUE GAS SYSTEM.		CARD CODE U 01	DRAWING NO. 1-97-288-90036
		REV 03	REV 03

Size A1

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