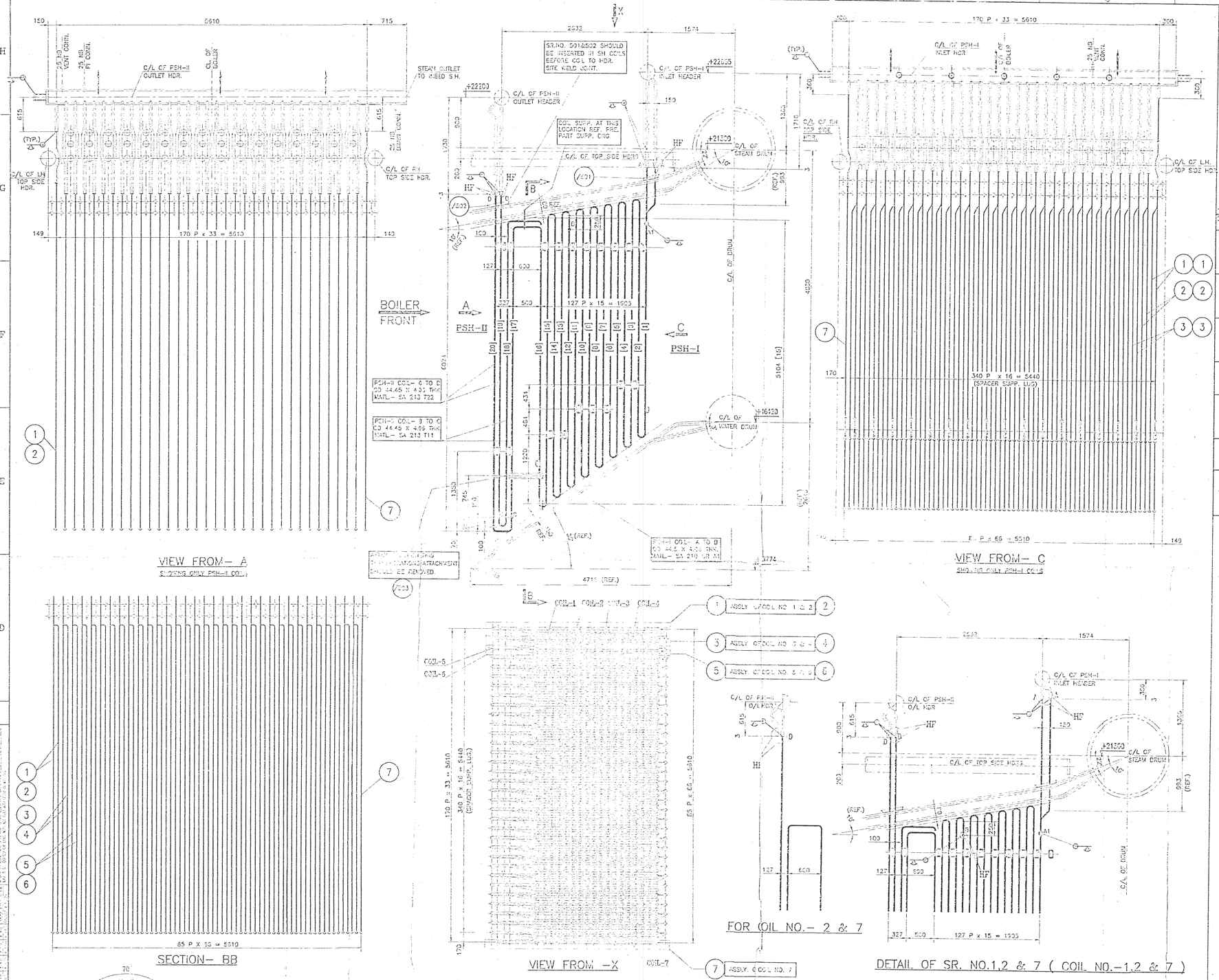
DO NOT SCALE
IF IN DOUBT, ASK



COIL NO.	A	B	C
1	2591	3518	355
1	1244	3518	355
1	1244	3518	355

COIL NO.	A	B
2	2594	3518
7	2594	3518

COIL NO.	A
4	1150
6	1150

DESIGN DATA

- DESIGN AND CONSTRUCTION CODE — I.B.R.
- MAX. ALLOWABLE WORKING PRESSURE = DESIGN PRESSURE — 75.0 Kgf/cm^2(g)
- HYDRAULIC TEST PRESSURE (AT SITE) — 112.5 Kgf/cm^2(g)
- DESIGN METAL TEMPERATURE:– (FOR COIL PSH-I, A TO B) — 413° C; (FOR COIL PSH-I, B TO C) — 487° C; (FOR COIL PSH-II, C TO D) — 493° C
- STRESS RELIEVING (FOR COIL) — AS PER I.B.R. REQ.NO.151 (d)
- RADIOGRAPHY (FOR COIL) — AS PER I.B.R. REQ.NO.151 (h)

MATERIAL DATA (I.B.R. PARTS)

COIL NO.	SR.NO.	DESCRIPTION	SIZE	MATERIAL	QTY.	ALLOW. STRESS Kgf/cm^2	LENGTH	REMARK
1	1/1	COIL– A TO A1	44.45 OD x 4.06 THK.	SA 210 GR. A1	1 NO.	835.44	2676	WITHOUT SPACER SUPP. LUG
	1/2	COIL– A1 TO E	44.45 OD x 4.06 THK.	SA 210 GR. A1	1 NO.	835.44	55084	
	1/3	COIL– B TO C	44.45 OD x 4.06 THK.	SA 213 T11	1 NO.	971.61	26925	
	1/4	COIL– C TO D	44.45 OD x 4.06 THK.	SA 213 T22	1 NO.	888.60	7674	
2	2/1	COIL– A TO A1	44.45 OD x 4.06 THK.	SA 210 GR. A1	1 NO.	835.44	2610	WITH SPACER SUPP. LUG
	2/2	COIL– A1 TO E	44.45 OD x 4.06 THK.	SA 210 GR. A1	1 NO.	835.44	55034	
	2/3	COIL– B TO C	44.45 OD x 4.06 THK.	SA 213 T11	1 NO.	971.61	25999	
	2/4	COIL– C TO D	44.45 OD x 4.06 THK.	SA 213 T22	1 NO.	888.60	8210	
3	3/1	COIL– A TO A1	44.45 OD x 4.06 THK.	SA 210 GR. A1	16 NO.	835.44	1310	WITHOUT SPACER SUPP. LUG
	3/2	COIL– A1 TO B	44.45 OD x 4.06 THK.	SA 210 GR. A1	16 NO.	835.44	55034	
	3/3	COIL– B TO C	44.45 OD x 4.06 THK.	SA 213 T11	16 NO.	971.61	25999	
	3/4	COIL– C TO D	44.45 OD x 4.06 THK.	SA 213 T22	16 NO.	888.60	7300	
4	4/1	COIL– A TO B	44.45 OD x 4.06 THK.	SA 210 GR. A1	16 NO.	835.44	50328	WITHOUT SPACER SUPP. LUG
	4/2	COIL– B TO C	44.45 OD x 4.06 THK.	SA 213 T11	16 NO.	971.61	25092	
	4/3	COIL– C TO D	44.45 OD x 4.06 THK.	SA 213 T22	16 NO.	888.60	7215	
5	5/1	COIL– A TO A1	44.45 OD x 4.06 THK.	SA 210 GR. A1	16 NO.	835.44	1310	WITHOUT SPACER SUPP. LUG
	5/2	COIL– A1 TO B	44.45 OD x 4.06 THK.	SA 210 GR. A1	16 NO.	835.44	53834	
	5/3	COIL– B TO C	44.45 OD x 4.06 THK.	SA 213 T11	16 NO.	971.61	25808	
	5/4	COIL– C TO D	44.45 OD x 4.06 THK.	SA 213 T22	16 NO.	888.60	7300	
6	6/1	COIL– A TO B	44.45 OD x 4.06 THK.	SA 210 GR. A1	16 NO.	835.44	53328	WITH SPACER SUPP. LUG
	6/2	COIL– B TO C	44.45 OD x 4.06 THK.	SA 213 T11	16 NO.	971.61	25092	
	6/3	COIL– C TO D	44.45 OD x 4.06 THK.	SA 213 T22	16 NO.	888.60	7215	
7	7/1	COIL– A TO A1	44.45 OD x 4.06 THK.	SA 210 GR. A1	1 NO.	835.44	2610	WITH SPACER SUPP. LUG
	7/2	COIL– A1 TO E	44.45 OD x 4.06 THK.	SA 210 GR. A1	1 NO.	835.44	55034	
	7/3	COIL– B TO C	44.45 OD x 4.06 THK.	SA 213 T11	1 NO.	971.61	25999	
	7/4	COIL– C TO D	44.45 OD x 4.06 THK.	SA 213 T22	1 NO.	888.60	8210	

SR. NO. 501 ONWORDS ARE NON IBR PARTS.

NOTES:–

- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
- PAINT TWO COATS OF RED OXIDE PRIOR TO DESPATCH.
- JOB NO. TO BE PAINTED ON COIL PRIOR TO DESPATCH.
- ALL STAGGING PIN PLATE Ø3.5 mm. ON MEAN DIA. OF TUBE.
- ⌒ INDICATES SITE WELD.
- SUITABLE BUTT JOINTS CAN BE TAKEN AS PER MATERIAL AVAILABILITY FOR COILS.
- MARK COIL END A,B,C & D AS SHOWN IN DRG.
- PAINT SR. NO. 1, 2, 3, 4 Etc. BEFORE DESPATCH.

REF. FOLLOWING DRGS. (IBR)

- PSH-I INLET HEADER– PA1–2ER–15475
- PSH-II OUTLET HEADER– PA1–2ER–15476
- PSH-I & PSH-II COILS & SUPPORT DETAIL– (COIL NO. 1 TO 7) PA1–1ER–15240

HOU.:–A115247001
HOU.:–A115247002
HOU.:–A115247003
HOU.:–A115247004
HOU.:–A115247005
HOU.:–A115247006
HOU.:–A115247007

AS BUILT CHANGES SR.NO.2/1,7/1,LG.2310 CHANGED TO 2510.DETAIL OF COIL NO.10,WH.3316(1) 2254 CHANGED TO 3516(1) 2594.DETAIL OF COIL NO.2 &7 DIM.3316(1) 2294 CHANGED TO 3518 (1) 2554. DETAIL OF COIL NO.4 & 6 DIA.55.5 CHANGED TO 1150.DETAIL OF COIL NO. 3 & 5 DIM.3316(1) 844 CHANGED TO 3518 (1) 1244.SR.NO.3/1 & 5/1DIM. 55 CHANGED TO 355 & LG.1010 CHANGED TO 1310. SR.NO.1/1 DIM.LG.2294 CHANGED 355,2534 & LG. 2376 CHANGED TO 2676.COIL NO.1 TO 7 TUBE OD CHANGED FROM 44.5 TO 43.45mm.IN MATL.DATA LENGTH REVISED,AS MARKED.RADIUS 75 CHANGED TO 63.5 CORRESPONDING DIM'S CHANGED ACCORD.NGLY.

REV. NO.	REVISION	MADE BY / DATE	CAD CHK / DATE	PRK.MGR / DATE
1				

CLIENT:– OSWAL CHEMICALS AND FERTILIZERS LIMITED.

⚠ THIS SYMBOL IN THIS BLOCK INDICATES THAT THIS BLOCK IS PICKED FROM BLOCK LIBRARY.

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Thermax Babcock & Wilcox Limited PUNE 411 004

BOILER NO.–WA017100

REVNO.	IBR		
SCALE 1:85	DRAWN	DYN	31/05/2001
	CHECKED	FBK/SGS	31/05/2001
	APPROVED	SMP	31/05/2001

ASSEMBLY OF SUPER HEATER COIL & HEADERS. (ABOVE BED)

DRG.NO. PA1–1FB–15247 REVNO. A

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