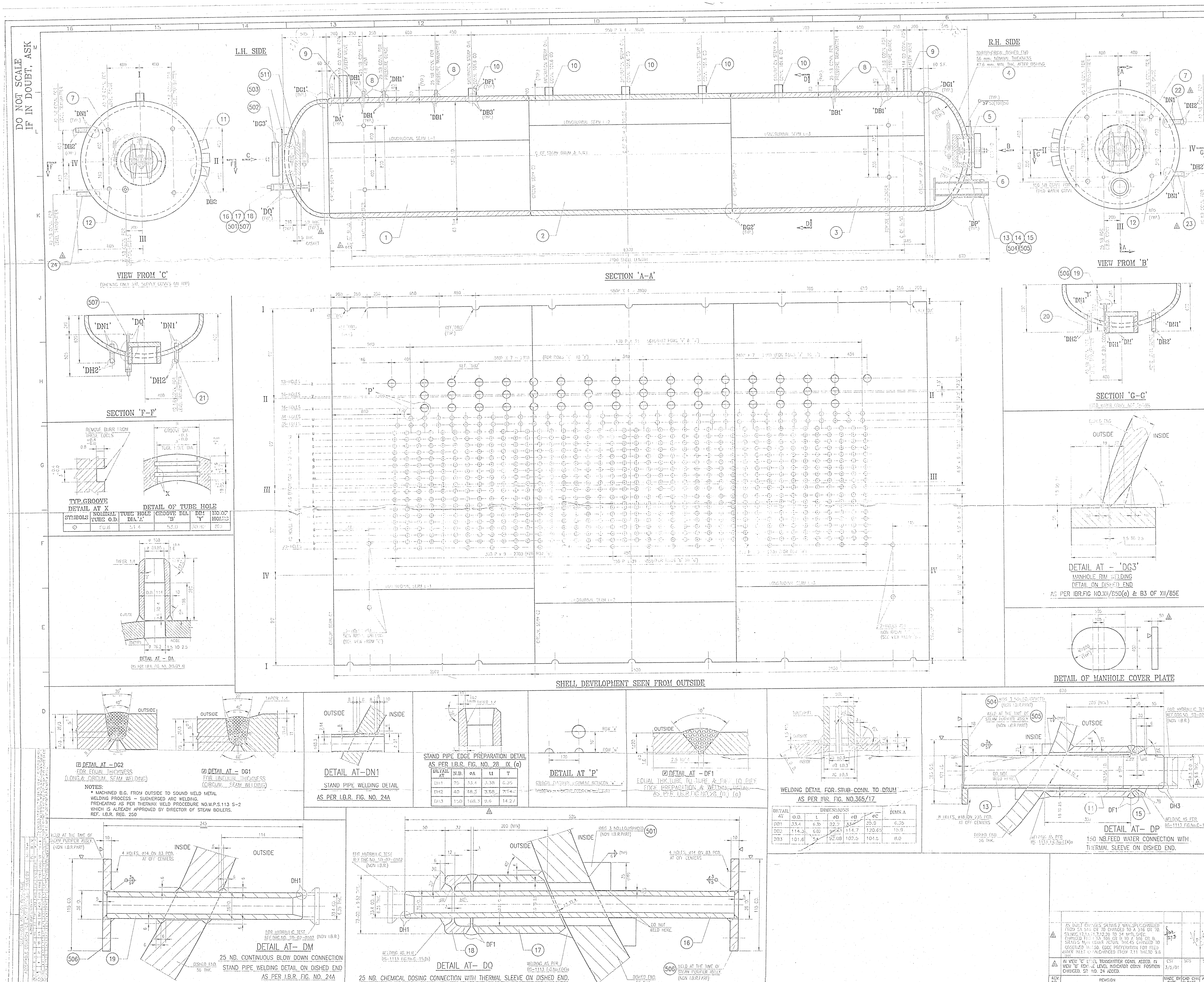
DO NOT SCALE
IF IN DOUBT, ASK



DESIGN DATA:

DESIGN & CONSTRUCTION CODE — I.B.R.1950, ADDENDA 1999.
STRESS RELIEVING — AS PER I.B.R. REG. NO. 251 & 267
RADIOGRAPHY OF WELD JOINTS — AS PER I.B.R. REG. NO. 263(b)
MAX. WORKING PRESSURE = DESIGN PRESSURE — 75.0 Kgf / cm^2(g)
HYDRAULIC TEST PRESSURE(AT SHOP) — 112.5 Kgf / cm^2(g)
DESIGN METAL TEMPRATURE — 318° C

MATERIAL DATA:

SR.NO.	DESCRIPTION	SIZE	MATERIAL	QTY.	ALL. STRESS (Kgf/cm2)
1	SHELL PLATE	1375 I.D. X 63 THK.	SA 516 GR.70	1	1360.0
2	SHELL PLATE	1375 I.D. X 63 THK.	A 516 GR.70	1	1360.0
3	SHELL PLATE	1375 I.D. X 63 THK.	SA 516 GR.70	1	1360.0
4	DISHED END	1375 I.D. X 56 THK.	SA 516 GR.70	2	1360.0
5	MANHOLE RIM	50 THK.	SA 516 GR.70	2	
6	MANHOLE COVER PLATE	505 x 400 x 50 THK	SA516 Gr.70	2	
7	STAND PIPE	48.3 O.D. X 7.14 THK.	A 106 Gr. B	2	
8	STAND PIPE	33.4 O.D X 6.35 THK.	SA106 Gr. B	5	
9	STAND PIPE	114 O.D. X (18.9 THK.)	SA 105	2	
10	STUB(SUPPLY)	101.6 O.D. X 5.6 THK.	SA 210 Gr. A1	5	
11	STUB(RISER)	114.3 O.D X 6.02 THK.	A 106 Gr. B	50	
12	STAND PIPE	48.3 O.D. X 7.14 THK.	A 106 Gr. B	2	
13	STAND PIPE	168.3 O.D. X 14.27 THK.	A 106 Gr. B	1	
14	THERMAL SLEEVE	219.1 O.D. X 18.26 THK.	SA 106 Gr. B	1	
15	END COVER	ø 219 X 50 THK.	SA 516 GR. 70	1	
16	STAND PIPE	33.4 O.D X 6.35 THK.	SA 106 Gr. B	1	
17	THERMAL SLEEVE	73 O.D. X 9.52 THK.	A 106 Gr. B	1	
18	END COVER	ø 73 X 32 THK.	SA 516 GR. 70	1	
19	STAND PIPE	33.4 O.D X 6.35 THK.	SA 106 Gr. B	1	
20	STAND PIPE	48.3 O.D. X 7.14 THK.	A 106 Gr. B	2	
21	STAND PIPE	48.3 O.D. X 7.14 THK.	A 106 Gr. B	2	
22	STAND PIPE	48.3 O.D. X 7.14 THK.	A 106 Gr. B	1	
23	STAND PIPE	48.3 O.D. X 7.14 THK.	A 106 Gr. B	1	
24	STAND PIPE	48.3 O.D. X 7.14 THK.	A 106 Gr. B	2	

SR. NO. 25 TO 500 NOT ALLOTED & SR. NO.501 ONWARDS ARE NON IBR.

NOTES :

1) ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
2) T & T1 NOMINAL THICKNESS.
3) t = THICKNESS CONSIDARING 12.5% -ve TOLERANCE.
4) ALL INTERNAL & EXTERNAL ATTACHMENT SHALL BE WELDED TO DRUM - BEFORE STRESS RELIEVING.
5) CHECK DISHED END THICKNESS & I.D. BEFORE DOING EDGE PREPARATION FOR SHELL.
6) PAINTING OF DRUM — INSIDE --- LIGHT GRADE MINERAL OIL. OUTSIDE --- TWO COATS OF RED OXIDE PRIMER
7. QUANTITY OF THE GASKETS SPECIFIED IN DRG. NO. SD-01-131. (SR. NO.9) COVERS THE REQUIREMENT FOR SHOP & SITE HYD. TEST, CHEMICAL BOILOUT & FOR PERMANENT INSTALLATION AT SITE WHILE COMMISSIONING.

REF. I.B.R. DRG. NOS.

MAN HOLE RIM — SD-03-174

REF. NON-I.B.R. DRG. NOS.

BLANKING DETAIL FOR HYDRAULIC TEST — SD-02-102
SR. NO. 502 — MANHOLE COVER ARRGT. — SD-01-131
SR. NO. 503 — INSULATION RING — SD-07-0259(SR. NO. 2)
SR. NO. 507 — STEAM PURIFIRE ASSLY. — P21-1FB-15090
SR. NO. 508 — EXTERNAL ATTACHMENTS — P21-2FB-15384
SR. NO. 509 — INTERNAL ATTACHMENTS — P21-1FB-15092

REV. NO.	REVISION	MADE BY DATE	CAD CHK DATE	APR.BY DATE
A	AS BUILT CHANGES SR.NOS.2 MATL.SPEC.CHANGED FROM SA 516 GR 70 CHANGED TO A 516 GR 70. SR.NOS.17,13,11,7,12,20 TO 24 MATL.SPEC. CHANGED FROM SA 106 GR B TO A 106 GR B. SR.NO.5 M/H COVER ACTUAL THK.45 CHANGED TO OBSERVED THK.50. EDGE PREPERATION FOR FEED WATER INLET CONN.CHANGED FROM 7.11 THK.TO 9.6 THK.			
B	IN VIEW 'C' LEVEL TRANSMITTER CONN. ADDED. IN VIEW 'B' REMOTE LEVEL INDICATOR CONN. POSITION CHANGED. SR NO. 24 ADDED.	CST 3/5/01	SGS	SMP

CLIENT.:- M/S OSWAL CHEMICALS & FERTILIZERS LTD., ORISSA
MANUFACTURED BY:- M/S THERMAX LTD., PUNE.

[P] THIS SYMBOL IN THE BLOCK INDICATES THAT THIS BLOCK IS PICKED FROM BLOCK LIBRARY.

* REVISION IN CAD DRAWING SHALL BE RELEASED ONLY AFTER ENSURING THAT IT IS INCORPORATED IN THE RELEVENT CAD FILE. REVISION IS INVALID IF CAD CHK. SIGN IN REV. IS ABSENT

BOILER NO. WA017100

Thermax Babcock & Wilcox Limited PUNE 411 034

REF.NO. I.B.R.

SCALE			
1:15	DRAWN	C.S.T.	28/3/01
	CHECKED	M.B.J.	28/3/01
	APPROVED	S.M.P.	28/3/01

STEAM DRUM.

(1375 I.D. X 63 THK.)

DRG.NO. P21-0FB-04364 — REV.NO. B

THIS IS A CAD DRAWING , DO NOT TAKE REPRODUCIBLE