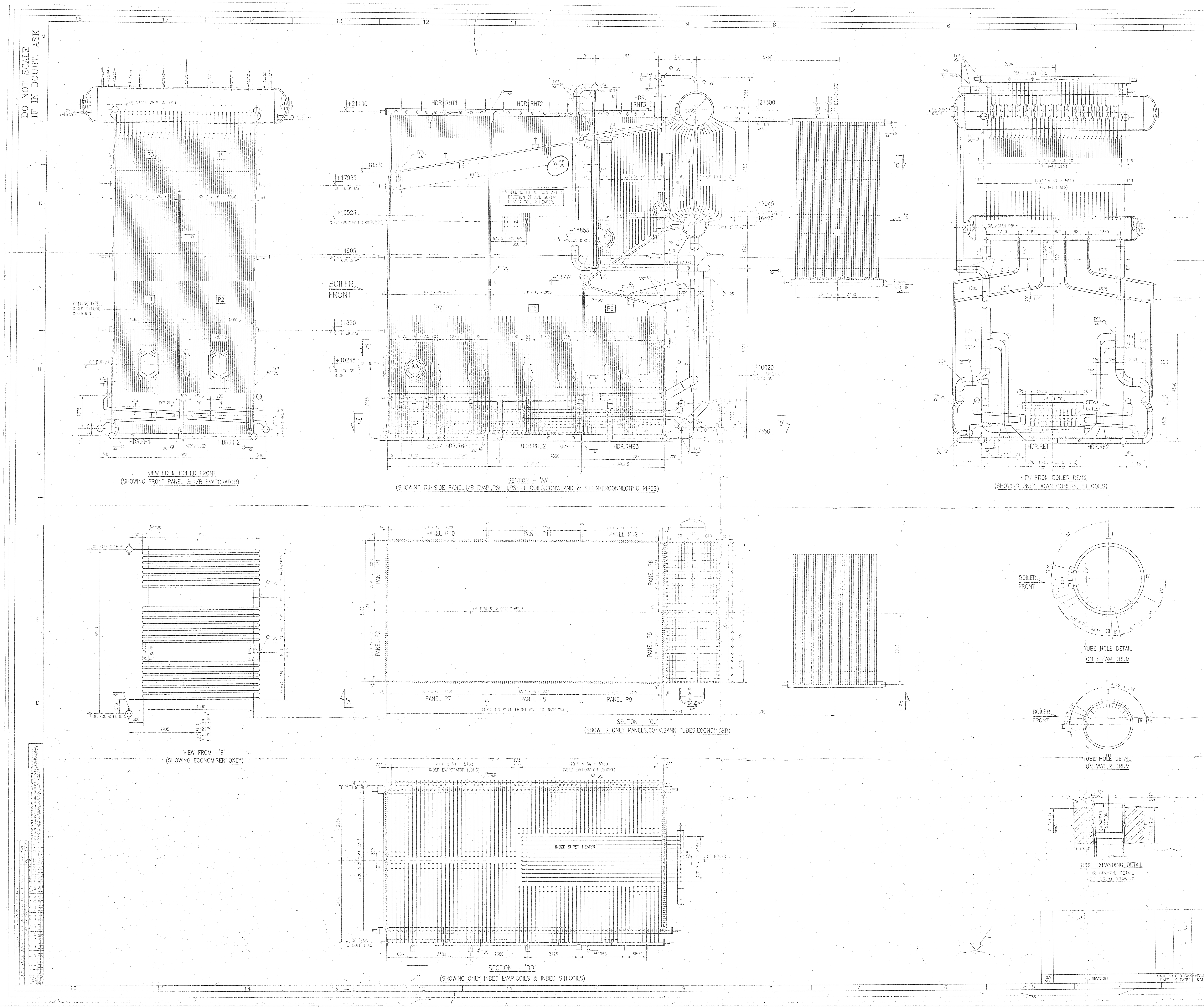
DO NOT SCALE
IF IN DOUBT, ASK



DESIGN DATA

DESIGN & CONSTRUCTION CODE ---------- I.B.R.
MAX. WORKING PRESSURE = DESIGN PRESSURE ---------- 75 Kgf/cm^2 (g)
HYDRAULIC TEST PRESSURE (AT SITE) ---------- 112.5 Kgf/cm^2 (g)
SUPERHEATER STEAM OUTLET PRESSURE AT MSSV. ---------- 62.2 Kgf/cm^2 (g)
SUPERHEATER STEAM OUTLET TEMPERATUREE ---------- 480° ±5°C

HEATING SURFACE AREA

FURNACE PANELS CONVECTION TUBES STEAM DRUM WATER DRUM INBED EVAPORATOR	ECONOMISER COILS	TOTAL HEATING SURFACE
1872 m^2	1400 m^2	3272 m^2

DESIGN METAL TEMP. °C

STEAM DRUM WATER DRUM CONVECTION TUBES FURNACE PANELS FURNACE HEADERS I/B EVAP.COIL AND HEADERS	SUPER HEATER COIL		RISER TUBES DOWN COMERS SAT.STEAM SUPPLY TUBES	ECONOMISER	SUPER HEATER HEADERS	
	PRIMARY / SECOND.	I/B S.H.		COIL / HEADERS	PSH I I/L / PSH II O/L	INBED I/L / INBED O/L
318	413	540	318	318	318	452
	492			318	452	490

NOTES :

- ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE SPECIFIED.
- STRESS RELIEVING AT SITE TO BE DONE BEFORE HYDRAULIC TEST.
- A.D.INDICATES ACCESS DOOR.
- ——▷ INDICATES STEAM FLOW
- ↗ INDICATES SITE WELD
- SHOWN LVL ARE W.R.T. 0.00 FOR T.B.W.

REFERANCE DRG.LIST :

DESCRIPTION	DRG. NOS.
STEAM DRUM (1375 I.D.x 63 THK.)	P21-0FB-04364
WATER DRUM (960 I.D. x 45 THK.)	P31-0FB-04359
R.H.SIDE PANEL (P7,P8,P9)	P41-0FB-04373
L.H.SIDE PANEL (P10,P11,P12)	P43-0FB-04373
FRONT PANEL (P1,P2,P3,P4)	P42-0FB-04375
REAR PANEL (P5,P6)	P45-1FB-15210
L.H.SIDE TOP HEADER (LHT1,LHT2 & LHT3)	P43-1FB-15200
R.H.SIDE TOP HEADER (RHT1,RHT2 & RHT3)	P41-1FB-15194
L.H.SIDE BOTTOM HEADER (LHB1,LHB2 & LHB3)	P43-1FB-15291
R.H.SIDE BOTTOM HEADER (RHB1,RHB2 & RHB3)	P41-1FB-15197
I/B EVAP.COIL & HDR. ASSLY	PD1-0FB-04380
EVAP. LH & RH SIDE INLET HDRS.	PD1-1FB-15233
EVAP. LH & RH SIDE OUTLET HDRS	PD1-1FB-15234
FRONT HEADER (FH1 & FH2)	P42-1FB-15287
REAR HEADER (RE1 & RE2)	P45-1FB-15288
MAIN STEAM PIPING	Z11-1FB-15506
FEED WATER & SPRAY WATER PIPING	Z11-1FB-15507
STEAM DRUM MOUNTINGS	Z11-1FB-15508
BD, SH DRAIN, CBD, LP & HP DOSING PIPING	Z11-1FB-15509
SH & ECO HEADER MOUNTINGS	Z11-1FB-15510

DESCRIPTION	DRG. NOS.
SAT.SUPPLY TUBES (SP1)	P72-3FB-12203
PSH-I INLET HEADER	PA3-2FB-15475
PSH-II OUTLET HEADER	PA3-2FB-15476
RISER ASSEMBLY	P71-1FB-15225
RISER DETAILS (NON IBR)	P71-1FB-15226
ABOVE BED S.H.ASSLY.	PA1-1FB-15247
ABOVE BED S.H.COIL DETAILS	PA1-1FB-15248
ATTEMPERATOR HEADER	PB1-1FB-15366
SUPER HEATER INTER CONN.PIPE	PC2-2FB-15444
INBED S.H.COIL ASSLY.& DETAILS	PC1-1FB-15182
INBED S.H. INLET HEADER	PC1-2FB-15402
INBED S.H. OUTLET HEADER	PC1-2FB-15403
MAIN DOWN COMER (DC1 & DC2)	P73-2FB-15428
DOWN COMER (DC3 & DC4)	P73-1FB-15193
I/B EVA.SUPP.TUBES (DC5 TO DC8)	P73-1FB-15190
DOWN COMER (DC9 TO DC14)	P73-2FB-15429
ECONOMISER COIL	PL1-2FB-15445
ECONOMISER TOP & BOTTOM HDRS.	PL2-2FB-15438
CONV. BANK TUBES (1 TO 19)	P61-2FB-15411

FOR L.H.SIDE PANEL & RISERS REF.DRG.NO. D11-1FB-15227

REV. NO.	REVISION	MADE BY DATE	CAD CHK DATE	APPR.BY DATE

CUSTOMER :- OSWAL CHEMICALS & FERTILISERS LTD., ORISSA

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	DRAWN		21/8/01
1:50	CHECKED		
	APPROVED		4/9/01

PRESSURE PART ASSEMBLY
FOR 110 TPH AFBC BOILER

DRG.NO. D11-0FB-04372
REV.NO. 0

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