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9	25	ANSI WNRF CL.300	33.4	6.35	123.9	17.5	—	53.8	61.9	20.7	50.8	1.6	88.9	4x19.05	
8	150	ANSI BLRF CL.300	—	—	317.5	36.6	—	—	—	—	215.9	1.6	269.7	12x22.3	
7	150	ANSI SORF CL.300	168.3	7.11	317.5	36.6	7.11	206.2	52.3	170.7	215.9	1.6	269.7	12x22.3	
SR.NO.	SIZE	FL.RATING	OD. THK		Ø O	C	D	Ø X	Y	Ø B	Ø R	S	PCD	NxØ d	
			USED PIPE												

COMPUTER FILE NAME:-PCPMP10018-20001

PLOTTING SCALE:-1:30

WH-547

FOR ALTERATION DETAILS, REFER FIRST SHEET OF THE DRAWING

ALT. No.	ALTERATION	MADE BY	CHKD BY
1	IN DETAIL OF SR.NO. 26 DIM.CHANGED FROM 1740,720mm TO 1937,625mm. & IN NON IBR BOM.SR.NO. 26 LENGHT CHANGE FROM 3990mm TO 3735mm.	AVG 13.07.17	SVP 13.07.17

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TOLERANCES ARE NON CUMULATIVE

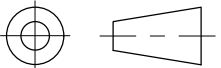

ACCEPTABLE DEVIATION FOR UNTOLERANCED DIMENSION												FINISH RA μm	
ALLOWABLE LINEAR DEVIATION mm												~ 25-50	
DIM OVER	0	6	30	120	315	1000	2000	4000	8000	12000	16000	▽ 8-25	
UP TO & INCLUDING	6	30	120	315	1000	2000	4000	8000	12000	16000	20000	▽ 1.6-8	
MACHINING	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2.0	± 3.0	± 4.0	± 5.0	± 6.0	▽ 0.025-1.6	
FABRICATION	± 0.5	± 1.0	± 1.5	± 2.0	± 3.0	± 4.0	± 6.0	± 6.0	± 10.0	± 12.0	± 12.0	▽ < 0.025	

SR.	DESCRIPTION/MATL.SIZE	QTY.	USED FOR/DRG.No.	MATERIAL	MIN.TENSILE STRENGTH IN kgf/sq.mm
34	PLATE Ø160 x 20 THK.	4	END PLAT FOR RISER CONN.	SA 516 Gr.70	49.21
33	PLATE Ø260 x 20 THK.	1	END PLATE FOR TOP HDR.	SA 516 Gr.70	49.21
32	PLATE Ø210 x 20 THK.	2	END PLATE FOR RH BOTTOM HDR. AND RISER CONN.	SA 516 Gr.70	49.21
29	LIFTING HOOK	2	PART NO/DRG NO PFCP 55 4994	-	-
28	LIFTING HOOK	2	PART NO/DRG NO PFCP 55 0214	-	-
27	ISF 25 x 6 THK. x 2906 LG.	1	FOR PANEL STRIP	IS:2062	-
26	ISF 25 x 6 THK. x 3735 LG.	1	FOR PANEL STRIP	IS:2062	-
25	ISF 50 x 6 THK. x 2906 LG.	23	FOR PANEL STRIP	IS:2062	-
24	ISF 50 x 6 THK. x 5730 LG.	23	FOR PANEL STRIP	IS:2062	-
23	WAHSEER PLAIN ID 22 FOR & M20	24	BOTTOM HEADER	IS:2016	-
22	NUT HEX. SIZE M20	24	BOTTOM HEADER	IS:1367-C-4	-
21	SCREW HEX.HD M20 x 120 LG.	24	BOTTOM HEADER	IS:1367-C-4.6	-
20	GASKET NPS 150 SORF ANSI B 16.5 CL.300	2	BOTTOM HEADER	CNAF-IS2712 GR.W/1	-
19	PADS & SUPPORT CPFD-80	1	PART NO/DRG NO PFCP 55 5372	-	-
18	SUPPORT (FOR BOTTOM HEADER)	6	PART NO/DRG NO 030 024 2240	-	-

NON IBR QUALITY MATERIAL

SR.	DESCRIPTION/MATL.SIZE	QTY.	USED FOR/DRG.No.	MATERIAL	MIN.TENSILE STRENGTH IN kgf/sq.mm
16	Ø219.1 x 20 THK.	1	END PLATE	SA 516 Gr.70	49.21
15	Ø168.3 x 20 THK.	1	END PLATE FOR RH BOTTOM HDR.	SA 516 Gr.70	49.21
12	OD 114.3 x 8.56 THK x 218 LG.	4	BOTTOM RISER	SA 106 Gr.B	42.18
10	OD 33.4 x 6.35 THK x 24 LG.	2	BOTTOM HEADER DRAIN	SA 106 Gr.B	42.18
9	FLANGE WNRF ANSI B 16.5 CLASS 300 SIZE 25 NPS.	2	BOTTOM HEADER DRAIN	FCS SA 105	49.21
8	BLANK FLANGE ANSI B 16.5 CL.300 SIZE 150 NPS.	2	BOTTOM HEADER BLANK	FCS SA 105	49.21
7	FLANGE SORF ANSI B 16.5 CL.300 SIZE 150 NPS	2	BOTTOM HEADER	FCS SA 105	49.21
6	OD 168.3 x 14.27 THK x 210 LG.	1	RISER CONN.	SA 106 Gr.B	42.18
5	OD 219.1 x 8.18 THK x 294.7 LG.	1	TOP HEADER	SA 106 Gr.B	42.18
4	OD 168.3 x 7.11 THK x 336.3 LG.	1	BOTTOM HEADER (R.H.)	SA 106 Gr.B	42.18
3	OD 168.3 x 7.11 THK x 3510 LG.	1	BOTTOM HEADER (L.H.)	SA 106 Gr.B	42.18
2	OD 50.8 x 3.25 THK x 2918 LG	24	WATER TUBE	BS:3059 PART I 1987 Gr.320 ERW	32.63
1	OD 50.8 x 3.25 THK x 5682 LG (CUT FROM 5800 Lg.)	24	WATER TUBE	BS:3059 PART I 1987 Gr.320 ERW	32.63

IBR QUALITY MATERIAL

PRODUCT HORIZONTAL MULTITUBULAR SHELL TYPE SMOKE TUBE WITH WATER WALL FURNACE BOILER						
MODEL MPA-CPFD-80/17.5		<div></div>		Wt.IN kg. = 2091 (APPROX)		
TITLE <u>MEMBRANE PANEL ASSLY.</u>				SCALE 1:30		
				DESIGNED VSD 29.01.18		
				DRAWN AE 31.01.18		
				CHECKED SVP 01.02.18		
				APPROVED RCPK 02.02.18		
THERMAX LIMITED CHINCHWAD PUNE 411019 (C & H HEATING ENGINEERING)		<div></div> <div>THERMAX</div>		DRG. No. PCP MP1 0018-2		ALT. No. 1

FOR SR. NO. 234 TO 253