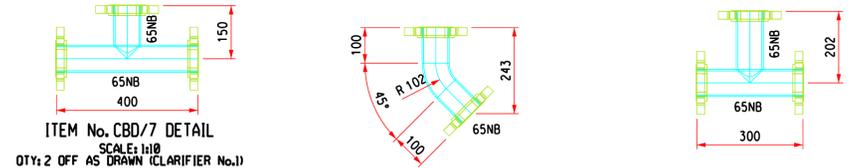


ITEM No. CBD/2 DETAIL SCALE: 1:10  
 OTY: 2 OFF AS DRAWN (CLARIFIER No.1)

ITEM No. CBD/5 DETAIL SCALE: 1:10  
 OTY: 21 OFF AS DRAWN (CLARIFIER No.1)

ITEM No. CBD/500 DETAIL SCALE: 1:10  
 OTY: 1 OFF AS DRAWN (CLARIFIER No.1)



ITEM No. CBD/7 DETAIL SCALE: 1:10  
 OTY: 2 OFF AS DRAWN (CLARIFIER No.1)

ITEM No. CBD/12&120 DETAIL SCALE: 1:10  
 OTY: 5 OFF AS DRAWN (CLARIFIER No.1)

ITEM No. CBD/23 DETAIL SCALE: 1:10  
 OTY: 1 OFF AS DRAWN (CLARIFIER No.1)

**PIPING:**

1. PIPING TO BE SANS 62 HEAVY UP & INCLUDING 150NB & SANS 719 GRADE B 6THK WALL FOR 200 NB AND ABOVE
2. ALL ITEMS TO BE CLEARLY HARD MARKED ON PIPE APPROX. 300mm FROM FIXED FLANGE WITH ITEM NUMBER & DRAWING NUMBER. RUBBER HOSES TO BE SECURELY TAGGED WITH ITEM NUMBER & DRAWING NUMBER.
3. ALL FLANGES TO BE TO S.A.N.S. 1123-11000- DIMENSIONS TO NP/3 FLAT FACE
4. FLANGES TO BE FITTED WITH HOLES OFF CENTER (i.e. 2 HOLES TOP)
5. ALL FLANGES TO BE FLAT FACED SLIP
6. ALL GASKETS TO BE FULL FACE 3,0mm THICK, EPDM INSERTION RUBBER GASKETS, OR SIMILAR APPROVED
7. ALL STEEL BENDS TO HAVE R=3xDIA. ALL RUBBER HOSES TO HAVE R=10xDIA.
8. BUTT WELDED PIPE FITTINGS TO COMPLY WITH ASTM A234 GRADE WPB, SIZES TO ANSI B19.9
9. SCREWED PIPES & FITTINGS : (40 NB AND SMALLER)
  - a) SCREWED TO B.S. 21
  - b) WROUGHT STEEL FITTING TO B.S. 1740
  - c) MALLEABLE CAST IRON PIPE FITTINGS TO SANS 509
10. ALL CLOSERS TO BE SUPPLIED 100mm LONGER THAN DRAWING DIMENSION (i.e. AS PER MATERIAL LIST DIMENSION) & WITH LOOSE FLANGE TO ALLOW FOR SITE ADJUSTMENT
11. LOOSE FLANGES ARE MARKED TAUS
12. FABRICATOR TO SUPPLY ALL NUTS, BOLTS & WASHERS, SUITABLY BAGGED, (INCL. 5% SPARES) LABELED & DISPATCHED TO SITE TOGETHER WITH PIPING, FASTENERS TO BE ELECTROPLATED EXCEPT FOR THOSE REQUIRED FOR OUT OF PLANT PIPING WHICH ARE TO BE HOT DIP GALVANIZED.
13. ALL FLUSHING POINTS TO BE FITTED WITH 25NB NIPPLE, 25NB BALL VALVE (C.I.) AND 25NB QUICK RELEASE COUPLING.
14. FOR CORROSION PROTECTION INFORMATION SEE MEDUPI POWER STATION CORROSION PROTECTION SPECIFICATION (DOC No. SSZ.45-17) - REF. CPS1000 'HOT DIP GALVANIZING'.

**REFERENCE DRAWINGS:**

- CLARIFIERS GENERAL ARRANGEMENT SEE DRAWING No. 0.84/7820
- CLARIFIER TO ASH PUMPS SEE DRAWING No. 0.84/19233
- FLUSH WATER PIPE ROUTE SEE DRAWING No. 0.84/19235 (SHT 1 & SHT 2)
- ASH PUMPS TO CENTRIFUGE/DRYING BEDS SEE DRAWING No. 0.84/19234 (SHT1)
- PIPE HANGER & SUPPORT BRACKET DETAILS SEE DRAWING No. 0.84/33843

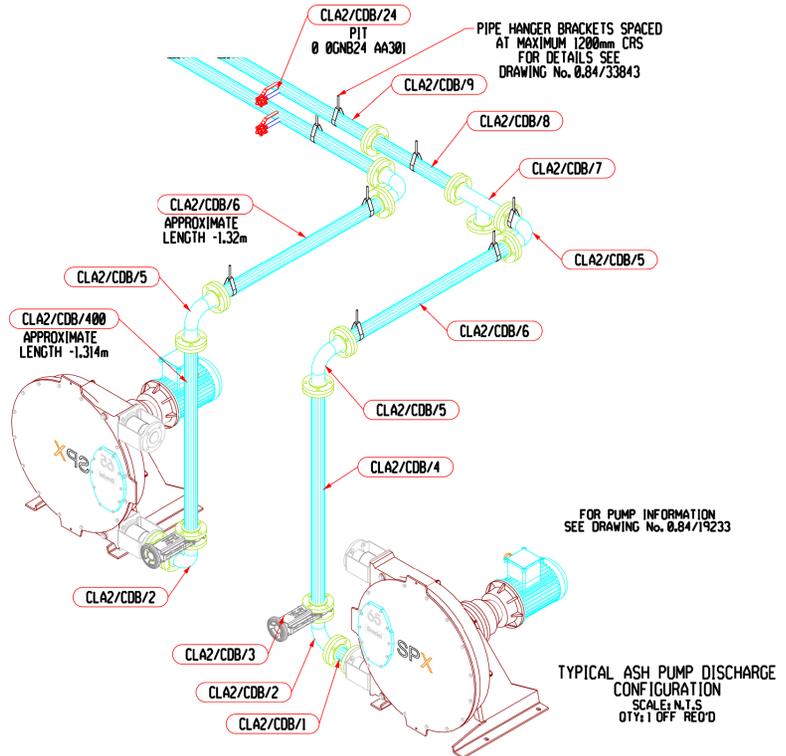
**NOTES**

1. ALL PIPE DIMENSIONS ARE TO BE CHECKED & CONFIRMED ON SITE TO ORDERING
2. REFER TO TECHNICAL DATA PACK FOR TECHNICAL SPECIFICATION OF VALVES, ETC.
3. WORKSHOP FABRICATION DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING FABRICATION.

CHECK PRINT  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

POINT	ITEM No.	QTY	DESCRIPTION	KKS CODE	Y	X	Z
30	CLA2/CDB/1	2	65NB STRAIGHT PIPE (144mm)	---	N/A	N/A	N/A
31	CLA2/CDB/2	2	65NB x 90° LONG RADIUS BEND	---	N/A	N/A	N/A
32	CLA2/CDB/3	6		0 0GNB24 AA505	-57 485.705	+2 623 123.915	894.788
33				0 0GNB24 AA506	-57 485.587	+2 623 123.406	894.788
34				0 0GNB24 AA509	-57 492.280	+2 623 108.229	903.575
35				0 0GNB24 AA507	-57 492.548	+2 623 108.094	902.980
36				0 0GNB24 AA510	-57 514.084	+2 623 097.162	903.100
37				0 0GNB24 AA511	-57 514.514	+2 623 096.914	903.100
38	CLA2/CDB/4	2	65NB STRAIGHT PIPE (1340mm)	---	N/A	N/A	N/A
39	CLA2/CDB/5	12	65NB x 90° LONG RADIUS BEND	---	N/A	N/A	N/A
40	CLA2/CDB/6	2	65NB STRAIGHT PIPE (1320mm)	---	N/A	N/A	N/A
41	CLA2/CDB/7	2	65NB T-PIECE	---	N/A	N/A	N/A
42	CLA2/CDB/8	1	65NB STRAIGHT PIPE (670mm)	---	N/A	N/A	N/A
43	CLA2/CDB/9	1	65NB STRAIGHT PIPE (10 780mm)	---	N/A	N/A	N/A
44	CLA2/CDB/10	1	65NB STRAIGHT PIPE (6 480mm)	---	N/A	N/A	N/A
45	CLA2/CDB/11	2	65NB STRAIGHT PIPE (3 280mm)	---	N/A	N/A	N/A
46	CLA2/CDB/12	4	65NB x 45° LONG RADIUS BEND	---	N/A	N/A	N/A
47	CLA2/CDB/13	2	65NB STRAIGHT PIPE (7 110mm)	---	N/A	N/A	N/A
48	CLA2/CDB/14	2	65NB STRAIGHT PIPE (16 290mm)	---	N/A	N/A	N/A
49	CLA2/CDB/15	1	65NB STRAIGHT PIPE (---mm)	---	N/A	N/A	N/A
50	CLA2/CDB/16	3	50NB STRAIGHT PIPE (16 290mm)	---	N/A	N/A	N/A
51	CLA2/CDB/17	2	50NB STRAIGHT PIPE (9 110mm)	---	N/A	N/A	N/A
52	CLA2/CDB/18	3	50NB STRAIGHT PIPE (6 680mm)	---	N/A	N/A	N/A
53	CLA2/CDB/19	1	65NB STRAIGHT PIPE (6 210mm)	---	N/A	N/A	N/A
54	CLA2/CDB/20	1	65NB STRAIGHT PIPE (24 860mm)	---	N/A	N/A	N/A
55	CLA2/CDB/21	1	65NB STRAIGHT PIPE (6 680 mm)	---	N/A	N/A	N/A
56	CLA2/CDB/22	1	65NB STRAIGHT PIPE (11 190 mm)	---	N/A	N/A	N/A
57	CLA2/CDB/23	1	65NB T-PIECE	---	N/A	N/A	N/A
58	CLA2/CDB/24	1	65NB STRAIGHT PIPE (600 mm)	---	N/A	N/A	N/A
59	CLA2/CDB/25	1	15mm SAUNDERS VALVE FOR PIT	0 0GNB24 AA301	-57 484.534	+2 623 122.715	896.220
60	CLA2/CDB/500	1	50NB x 90° LONG RADIUS BEND	---	N/A	N/A	N/A
61	CLA2/CDB/600	9	50NB x 90° LONG RADIUS BEND	---	N/A	N/A	N/A
120	CLA2/CDB/600	1	50NB x 45° LONG RADIUS BEND	---	N/A	N/A	N/A

NB: ALL CO-ORDINATES SHOWN IN THE TABLE ABOVE ARE AND MAY CHANGE DURING CONSTRUCTION.



FOR PUMP INFORMATION SEE DRAWING No. 0.84/19233

TYPICAL ASH PUMP DISCHARGE CONFIGURATION SCALE: N.T.S. OTY: 1 OFF REV'D

6	2025-07-02	RECREATED AS PER WORK REQUEST CAD-2025-502	EH	HM																			
5	2014-09-11	KKS CODES ADDED	CL	JP		AP																	
4	2013-06-18	VALVE POSITION UPDATED	BH	AP		TS																	
<table border="1"> <tr> <th>D.O.</th> <th>REV</th> <th>DATE</th> <th>REVISION</th> <th>REV BY</th> <th>CHKD BY</th> <th>APPV BY</th> <th>REFERENCE DRAWINGS</th> </tr> <tr> <td colspan="8">           APPROVED BY: _____            INITIAL AND SURNAME: _____            PR ENG/PR TECH ENG No.: _____            DATE: _____            SIGNATURE: _____            COORDINATION BY: _____         </td> </tr> </table>								D.O.	REV	DATE	REVISION	REV BY	CHKD BY	APPV BY	REFERENCE DRAWINGS	APPROVED BY: _____ INITIAL AND SURNAME: _____ PR ENG/PR TECH ENG No.: _____ DATE: _____ SIGNATURE: _____ COORDINATION BY: _____							
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APPROVED BY: _____ INITIAL AND SURNAME: _____ PR ENG/PR TECH ENG No.: _____ DATE: _____ SIGNATURE: _____ COORDINATION BY: _____																							
CLASSIFICATION PBS PATH UGD, UGU & GNB				<b>MEDUPI POWER STATION</b> <b>ASH WASHDOWN - COLLECTION AND TREATMENT</b> <b>PRIMARY TREATMENT PLANT</b> <b>CLARIFIERS - PIPEWORK DETAILS</b> <b>SLUDGE PUMPS TO CENTRIFUGE / DRYING BEDS</b>																			
CHECKED BY: M MOLAHE 2025-07-02 CREATED BY: E FLATSHWAYO 2025-07-02 SCALE: N.T.S.				ESKOM HOLDINGS SOC. Ltd REG No. 2002/015527/30		ESKOM DRAWING No. <b>0.84/19234 (SHT1)</b>																	
SHT 2/2		REV 6		DRAWING CLASSIFICATION: CONTROLLED DISCLOSURE		SIZE: A1/L																	