

1. CONCRETE CLASSES:
CONCRETE SCREED 15/19
DECANT 30/19

1. CONCRETE CLASSES:
 CONCRETE SKEEED 15/19
 DECAT 30/19
2. FORMWORK:
 CLASSES OF FINISH
 TYPE OF SURFACE
 UNEXPOSED
 EXPOSED TO VIEW
 TOP OF SUBS AND WALLS
- FORMED SURFACE
 CLASS F1
 CLASS F2
 N/A
- UNFORMED SURFACE
 CLASS U1
 CLASS U2
 CLASS U2
3. CONSTRUCTION:
 CONSTRUCTION JOINTS WILL ONLY BE ALLOWED AT THE APPROVED LOCATIONS
 AND SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

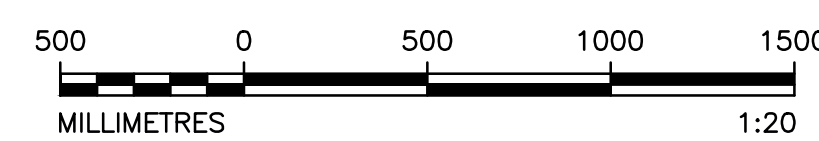
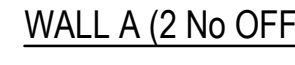


NOTE:

REINFORCING MEASURED FOR 3m HEIGHT OF WALL. ANY ALTERATIONS TO THE HEIGHT OF THE VARY WALL (1.5m-3.0m) TO BE DISCUSS WITH ENGINEER.

VERTICAL LENGTHS OF BARS ANTICIPATED TO CHANGE AS THE WALL HEIGHT CHANGES FOR THE OTHER SIMILAR CLEAN WATER DECANT INLETS

1. MINIMUM CONCRETE COVER TO REINFORCEMENT = 40mm
2. MINIMUM LAP LENGTH TO BE : 45 x SMALLER BAR DIAMETER UNLESS OTHERWISE NOTED.
3. DETAILING AND ABBREVIATIONS IN ACCORDANCE WITH SABS 0144.
4. FOR STEEL SPECIFICATIONS AND BENDING DETAILS REFER TO BENDING SCHEDULE ON THIS DRAWING. ANY ALTERATIONS TO THE HEIGHT WILL REQUIRE REVISED BENDING SCHEDULES TO BE PRODUCED.
5. ABBREVIATIONS:
B1 = LOWER BOTTOM STEEL
B2 = UPPER BOTTOM STEEL
T1 = UPPER TOP STEEL
T2 = LOWER TOP STEEL
IF = INSIDE FACE
OF = OUTSIDE FACE



SHAPE CODES 20 - 86

20 (A)	39 (C)	45 (C)	52 (C)	60 (B)	73 (B)	83 (D)
36 (E)	41 (C)	48 (C)	53 (E)	62 (C)	74 (B)	85 (D)
37 (B)	42 (C)	49 (C)	54 (B)	65 (A)	75 (C)	86 (B)
38 (B)	43 (C)	51 (B)	55 (E)	72 (B)	81 (A)	

NOTES



1. BEND TO 24 RADIUS FOR MILD STEEL BARS & 34 RADIUS OR 7.5d IF SHAPE CODE IS FOLLOWED BY SUFFIX "X" FOR HIGH TENSILE STEEL BARS UNLESS LARGER RADIUS ARE INDICATED FOR THE PARTICULAR SHAPE CODE.
2. BEND TO COMPLY WITH SANS 282. MILD STEEL BARS SHALL BE PLAIN AND HIGH TENSILE STEEL BARS DEFORMED.
3. MILD STEEL BARS ARE IDENTIFIED BY A CAPITAL "X" AND HIGH TENSILE STEEL BARS BY A CAPITAL "Y" PREFIXED TO THE DIAMETER IN mm.
4. BENDING DIMENSIONS SHALL BE IN ACCORDANCE WITH SANS 282 (2011). EXCEPT AS SHOWN OTHERWISE ON THIS SHEET. WELDING OF BARS IS INDICATED BY "W" AND "X" SUFFIXES.
5. ALL BARS SHALL BE BENT COLD. WELDING SHALL NOT BE PERMITTED FOR HIGH TENSILE STEEL BARS.
6. WELDING OF MILD STEEL BARS SHALL BE IN ACCORDANCE WITH SANS 044 AND BS 1558 or BS 693.
7. ALL DIMENSIONS GIVEN ON SHAPE CODES ARE EXTERNAL EXCEPT FOR OFFSETS OF FREE ENDS (SEE SKECH ABOVE).
8. THE CUTTING LENGTH TOLERANCE IS TAKEN UP IN THE BRACKETED DIMENSIONS OR IN HOOKS OR RENDS WHERE PRESENT.
9. SUFFIX "X" OR "Y" TO A STANDARD SHAPE CODE INDICATES THE ADDITION OF TWO HOOKS OR BENT ENDS TO THE FREE ENDS OF THE STANDARD SHAPE. THEY ARE BENT IN THE SAME SENSE AS THE ADJACENT BEND OR CURVE. THE DIMENSIONS IN BRACKETS ARE GIVEN IN THIS CASE.

[illegible]

SUMMARY								
HIGH TENSILE STEEL								
DIAMETER		Y08	Y10	Y12	Y16	Y20	Y25	Y40
LENGTHS	m	-	-	733.90	-	-	-	-
TOTAL LENGTHS	m					733.90		
MASS	kg	-	-	452.82	-	-	-	-
TOTAL MASS	kg					452.82		

DISCLAIMER

This drawing, was prepared by Knight Pésold Consulting (Pty) Ltd based on the best information available at the time of preparation. During construction site conditions, or site conditions, or site development, may possibly dictate that amendments or adaptations be made to certain details on the drawing. Strict compliance with the project specifications is also essential. Knight Pésold Consulting (Pty) Ltd will therefore not accept liability for any losses, damages or consequential losses, suffered by any party resulting from the use or implementation of the contents of this drawing, if executed or amended without fulltime supervision by Knight Pésold Consulting (Pty) Ltd.

D.O.B. DATE		REVISION		REV		CHKD		AUTH		XES		REFERENCE DRAWINGS	
19.04.24		ISSUED FOR CONSTRUCTION		MKM		TM		JRW					
AUTHORISED FOR ESKOM BY:		CLASSIFICATION		MATIMBA POWER STATION									
CORPORATION BY:		P&S PATH		MATIMBA ASH DUMP									
APPROVED BY:				PHASE 3 (12 YEARS UNDED AREA)									
JR WILLIAMSON		 Knight Placemat		CLEAN WATER DECANT INLET									
CHECKED BY:		T MOKOMA		LAYOUT PLAN, SECTIONS AND									
CREATED BY:		E. MUKHOLE		REINFORCEMENT DETAILS									
SCALE		AS SHOWN		 Eskom		301-00825/01-321						REV 1	
		Eskom Water Supply Ltd Ref No: 20024/0622/576		0.58/61416						SH 22		REV 1	

FOR CONSTRUCTION