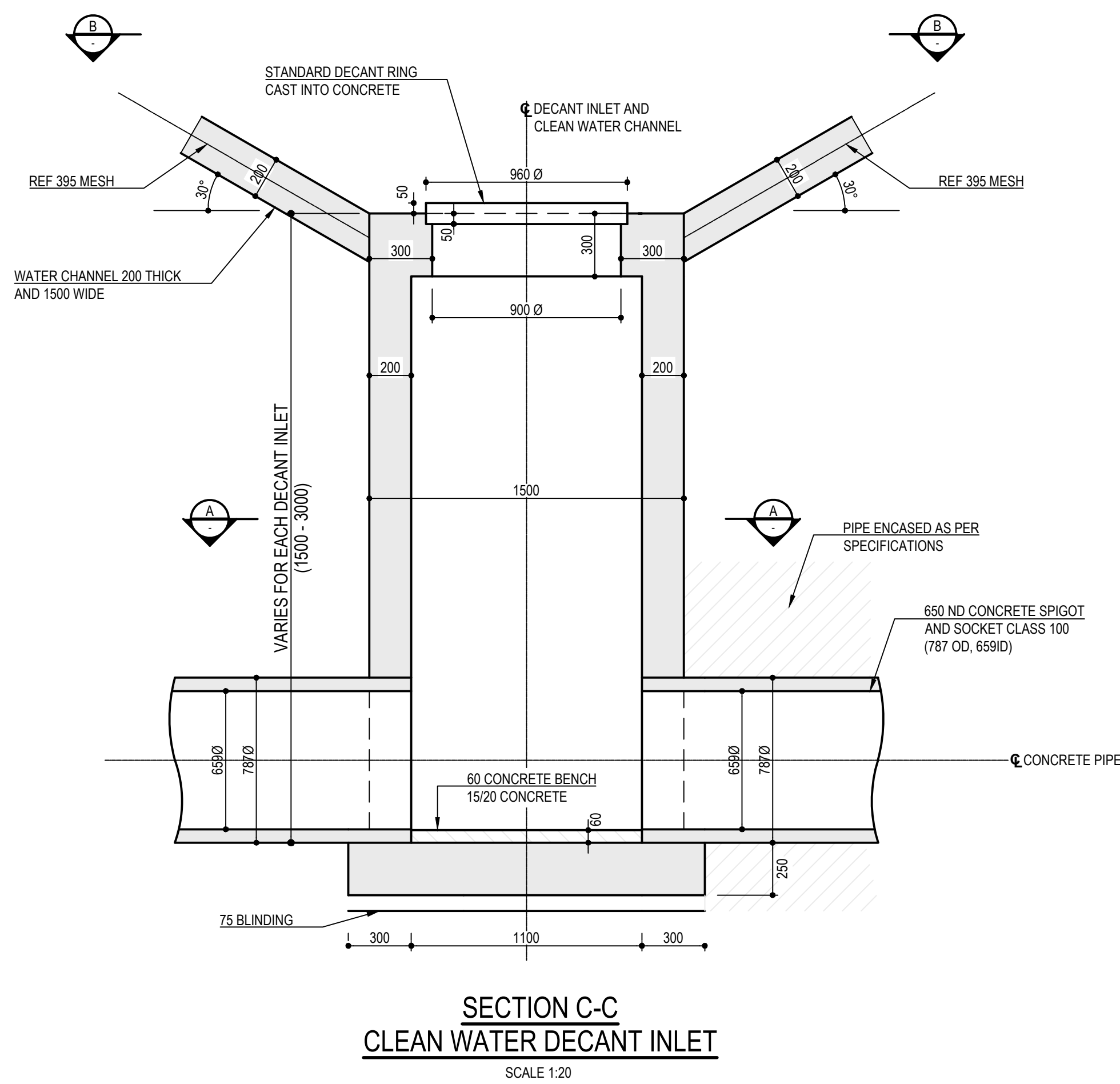
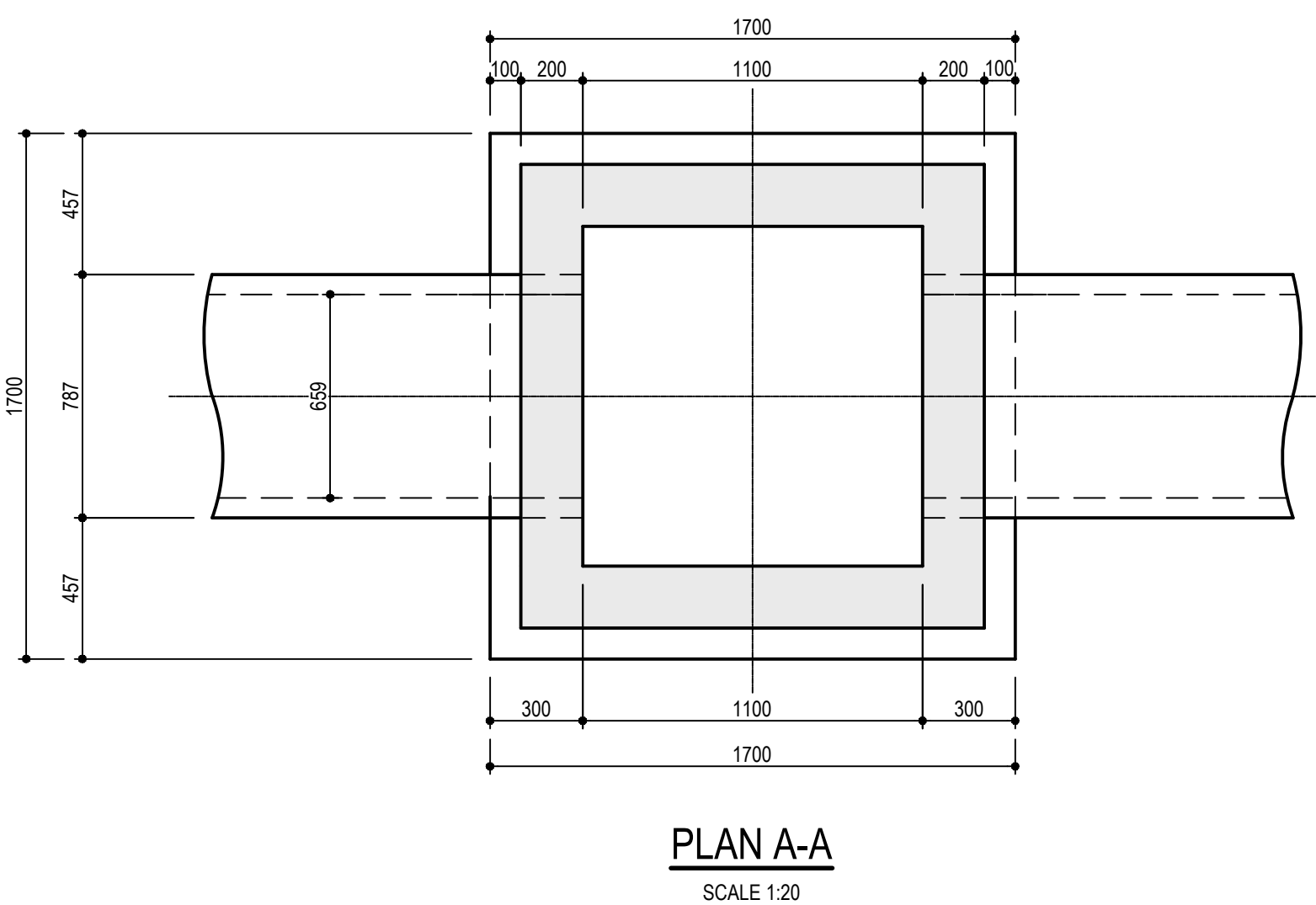
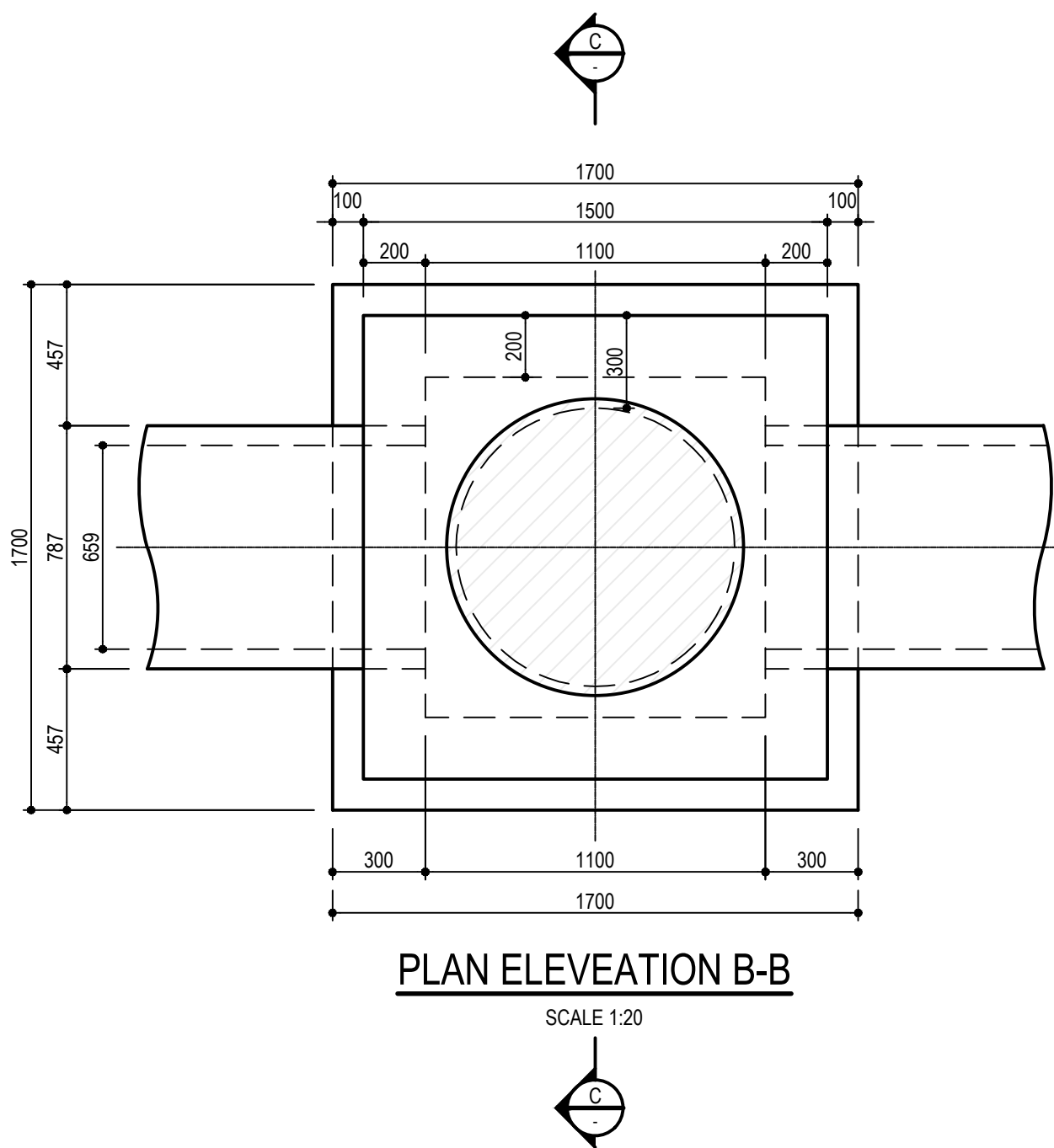
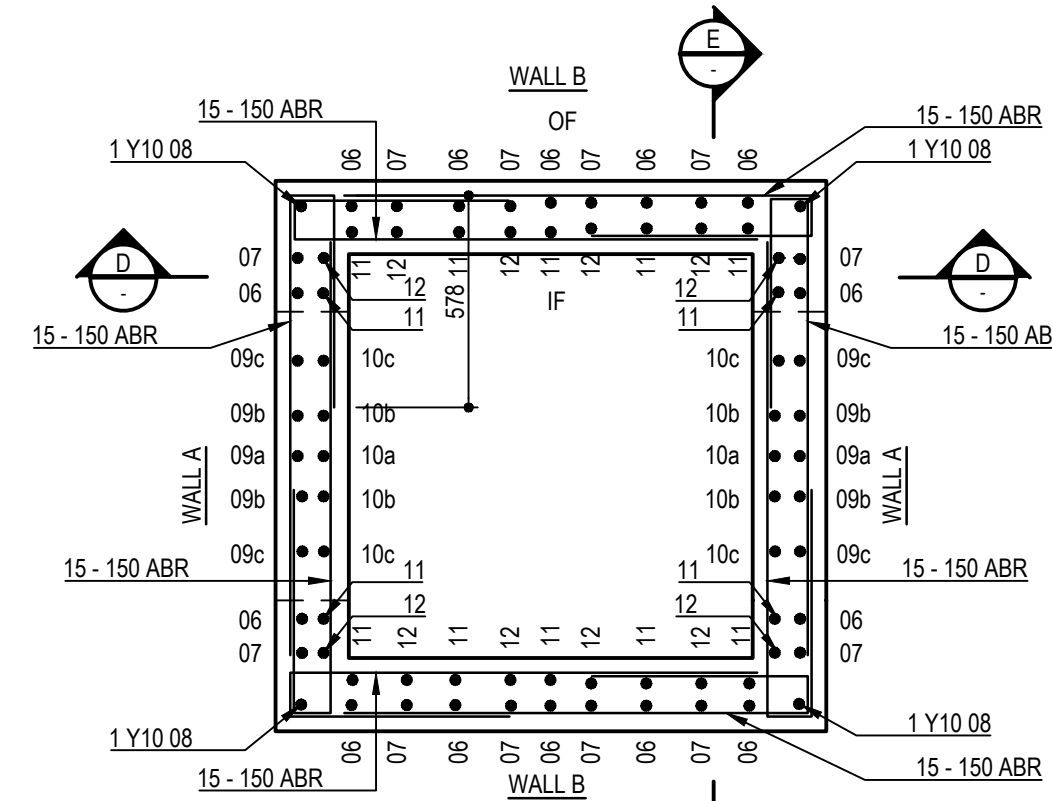


CONCRETE NOTES:

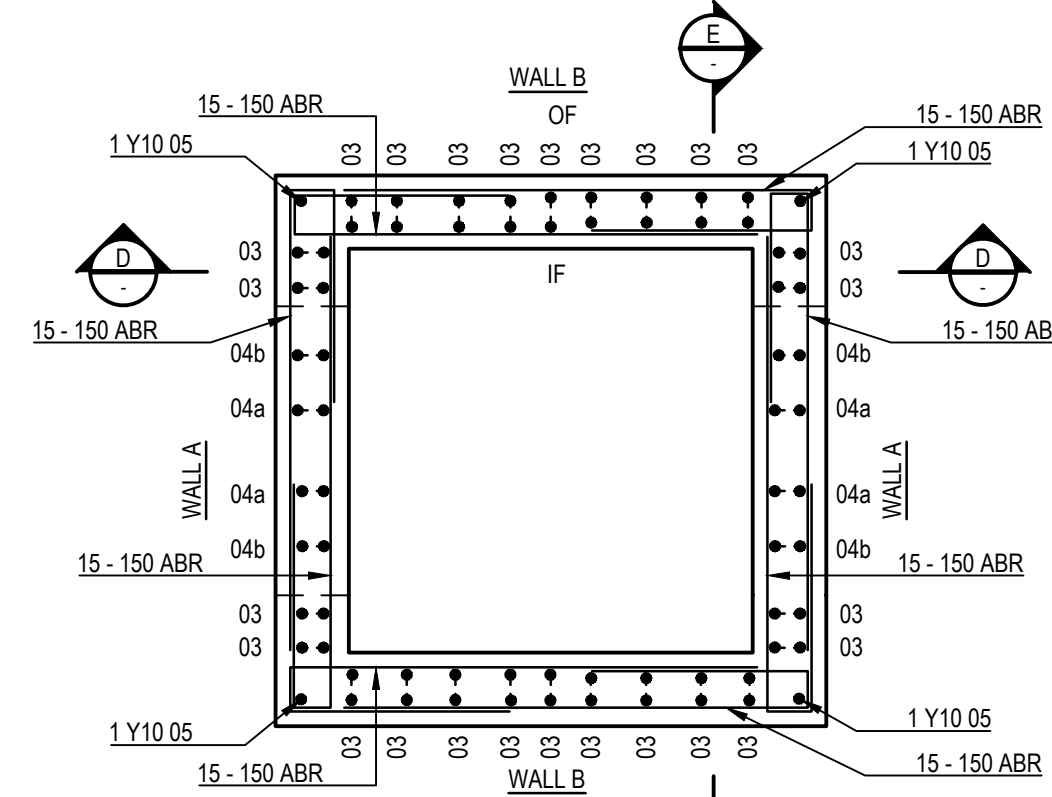
- CONCRETE CLASSES:
CONCRETE SCREED 15/19
DECANT 30/19
- FORMWORK:
CLASSES OF FINISH
TYPE OF SURFACE
UNEXPOSED TO VIEW
EXPOSED TO VIEW
TOP OF SLABS AND WALLS
FORMED SURFACE
CLASS F1
CLASS F2
N/A
UNFORMED SURFACE
CLASS U1
CLASS U2
CLASS U2
- CONSTRUCTION:
CONSTRUCTION JOINTS WILL ONLY BE ALLOWED AT THE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



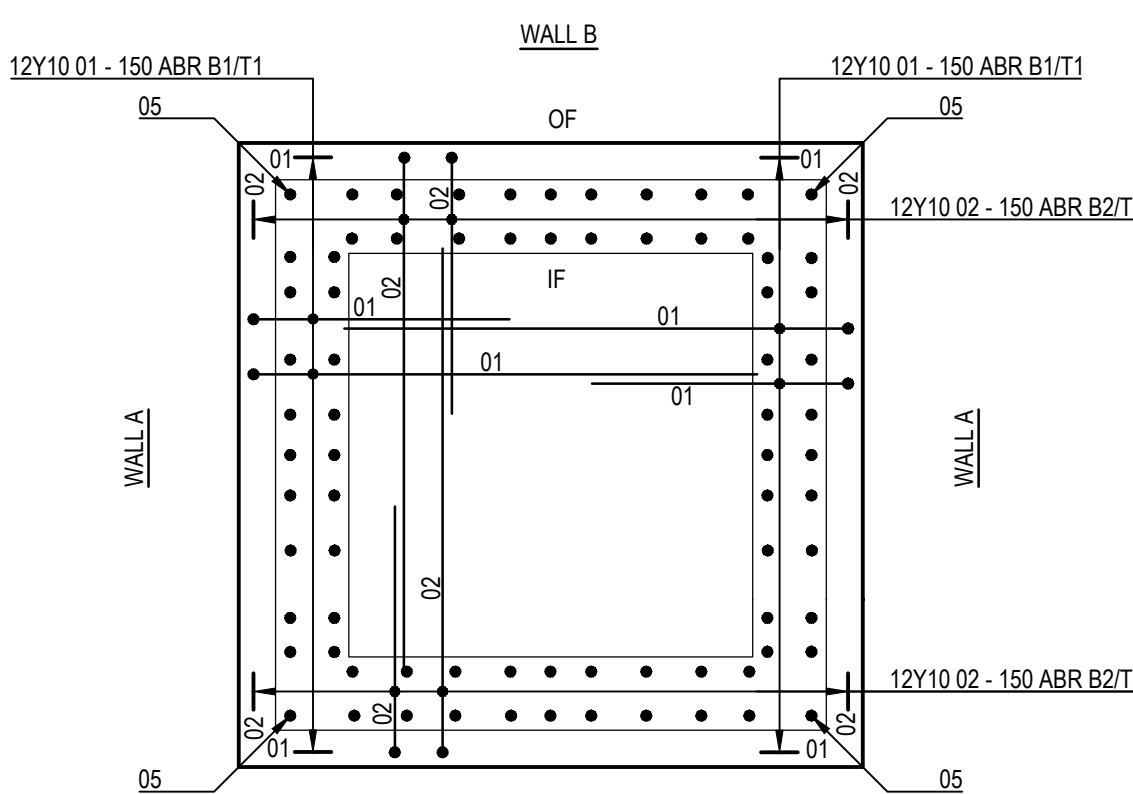
SECTION C-C
CLEAN WATER DECANT INLET
SCALE 1:20



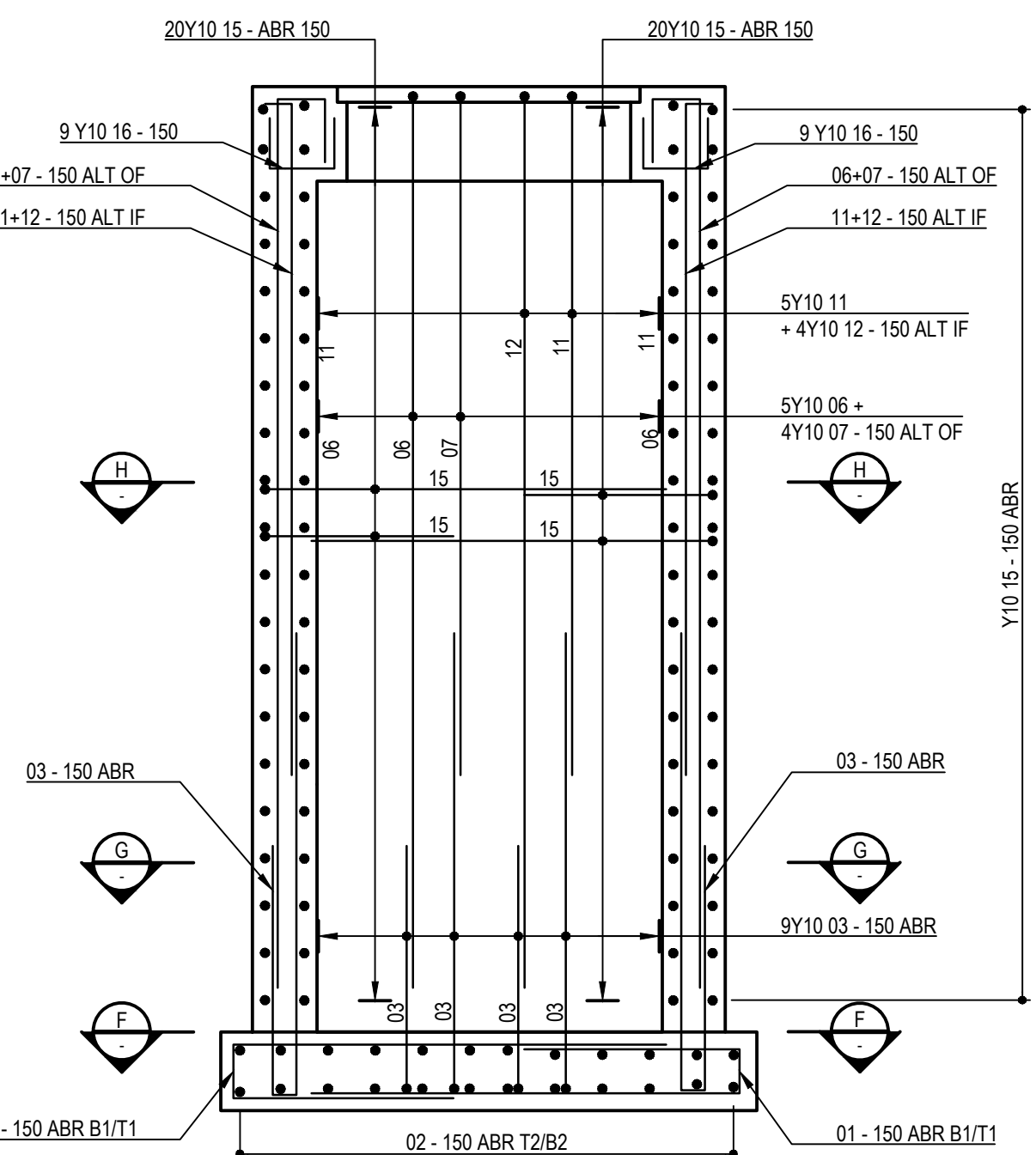
PLAN H-H
SCALE 1:20



PLAN G-G
SCALE 1:20



PLAN F-F
SCALE 1:20

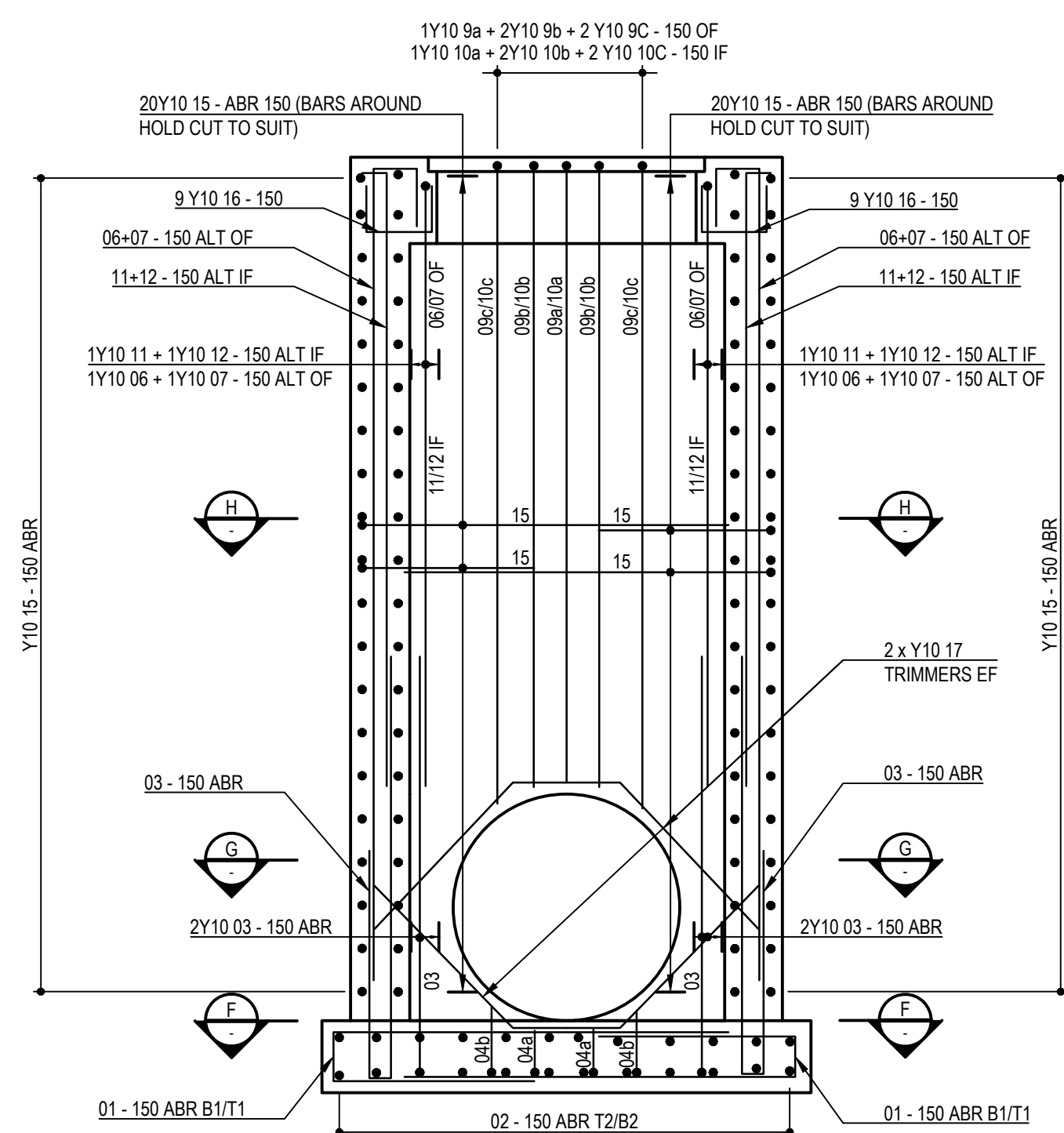


SECTION D-D
WALL B (2 No OFF)
SCALE 1:20

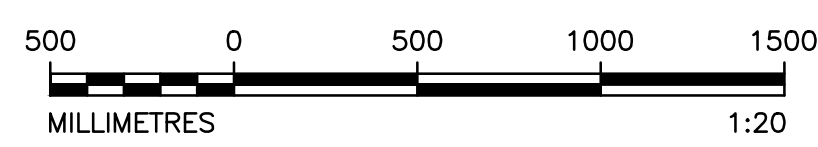
NOTE:
REINFORCING MEASURED FOR 3m HEIGHT OF WALL. ANY ALTERATIONS TO THE HEIGHT OF THE VARY WALL (1.5m-3.0m) TO BE DISCUSS WITH ENGINEER.
VERTICAL LENGTHS OF BARS ANTICIPATED TO CHANGE AS THE WALL HEIGHT CHANGES FOR THE OTHER SIMILAR CLEAN WATER DECANT INLETS

REINFORCEMENT NOTES:

- MINIMUM CONCRETE COVER TO REINFORCEMENT = 40mm
- MINIMUM LAP LENGTH TO BE : 45 x SMALLER BAR DIAMETER UNLESS OTHERWISE NOTED.
- DETAILING AND ABBREVIATIONS IN ACCORDANCE WITH SABS 0144.
- 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.
- ABBREVIATIONS:
B1 = LOWER BOTTOM STEEL
B2 = UPPER BOTTOM STEEL
T1 = UPPER TOP STEEL
T2 = LOWER TOP STEEL
IF = INSIDE FACE
OF = OUTSIDE FACE



SECTION E-E
WALL A (2 No OFF)
SCALE 1:20



FOR CONSTRUCTION

SHAPE CODES 20 - 86

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

NOTES

- BEND TO 2d RADIUS FOR MILD STEEL BARS AND 3d RADIUS OR 7.5d IF SHAPE CODE IS FOLLOWED BY SUFFIX 'S' FOR HIGH TENSILE STEEL BARS UNLESS LARGER RADI ARE INDICATED FOR THE PARTICULAR SHAPE CODE.
- STEEL TO COMPLY WITH SABS 282. MILD STEEL BARS SHALL BE PLAIN AND HIGH TENSILE STEEL BARS DEFORMED.
- MILD STEEL BARS ARE IDENTIFIED BY A CAPITAL 'R' AND HIGH TENSILE STEEL BARS BY A CAPITAL 'Y' PREFIXED TO THE DIAMETER IN mm.
- BENDING DIMENSIONS SHALL BE IN ACCORDANCE WITH SABS 282 (2011). EXCEPT AS SHOWN OTHERWISE ON THIS SHEET. WELDING OF BARS IS INDICATED BY 'W' AND LAPPING BY 'LAPPED'.
- ALL BARS SHALL BE BENT COLD. WELDING SHALL NOT BE PERMITTED FOR HIGH TENSILE STEEL BARS.
- WELDING OF MILD STEEL BARS SHALL BE IN ACCORDANCE WITH SABS 044 AND BS 1856 OR BS 693.
- ALL DIMENSIONS GIVEN ON SHAPE CODES ARE EXTERNAL EXCEPT FOR OFFSETS OF FREE ENDS (SEE SKETCH ABOVE).
- THE CUTTING LENGTH TOLERANCE IS TAKEN UP IN THE BRACKETED DIMENSIONS OR IN HOOKS OR BENT ENDS WHERE PRESENT.
- SUFFIX 'H' OR 'B' 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 DIRECTION AS THE ADJACENT BEND OR CURVE. THE DIMENSIONS IN BRACKETS ARE GIVEN IN THIS CASE.

MEMBER	BAR MARK	No. OF MEMBERS	TYPE AND SIZE	No. PER MEMBER	TOTAL	CUT LENGTH mm	SHAPE CODE	A	B	C	D	E/R
BASE	01	1	Y10	24	24	2200	38	700	170	1380		
	02	1	Y10	24	24	2200	38	700	150	1380		
	03	1	Y10	26	26	2350	38	800	100	1500		
	04A	1	Y10	2	2	400	38	170	100	180		
	04B	1	Y10	2	2	550	38	250	100	250		
	05	1	Y10	4	4	1000	37	225	800			
WALL A & B	06	1	Y10	14	14	3200	38	2850	180	220		
	07	1	Y10	12	12	2500	38	2150	180	220		
	08	1	Y10	4	4	3550	37	225	2850			
	09A	1	Y10	2	2	2400	38	2130	100	220		
	09B	1	Y10	4	4	2400	38	2130	100	220		
	09C	1	Y10	4	4	2450	38	2180	100	220		
	10A	1	Y10	2	2	2200	37	105	2120			
	10B	1	Y10	4	4	2200	37	105	2120			
	10C	1	Y10	4	4	2250	37	105	2170			
	11	1	Y10	14	14	2250	37	105	2170			
	12	1	Y10	12	12	2900	37	105	2820			
	13	NOT USED										
	14	NOT USED										
	15	1	Y10	160	160	1950	38	620	120	1260		
	16	1	Y10	36	36	600	38	210	220	220		
TRIMMERS	17	1	Y10	16	16	1780	49	700	700	380	510	510

SUMMARY							
HIGH TENSILE STEEL							
DIAMETER	Y08	Y10	Y12	Y16	Y20	Y25	Y32
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 Piesold 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 Piesold 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 Piesold Consulting (Pty) Ltd.

1. PROJECT ISSUED FOR CONSTRUCTION				MKN TM JRM			
D.O. REV	DATE	REVISION	BY	REV	DATE	APP	AUTH
AUTHORISED FOR ESKOM BY: CLASSIFICATION				REFERENCE DRAWINGS			
COORDINATION BY:				MKN TM JRM			
APPROVED BY:				MKN TM JRM			
JR WILLIAMSON				MKN TM JRM			
CREATED BY:				MKN TM JRM			
T. MOKOMA				MKN TM JRM			
CREATED BY:				MKN TM JRM			
MK. MPHOLLO				MKN TM JRM			
SCALE AS SHOWN				MKN TM JRM			

MATIMBA POWER STATION
MATIMBA ASH DUMP
PHASE 6 (24 YEARS LINED AREA)
CLEAN WATER DECANT INLET
LAYOUT PLAN, SECTIONS AND
REINFORCEMENT DETAILS

301-00825/01-621

0.58/61419

REV 1

REV 22

DRAWING CLASSIFICATION: CONTROLLED DISCLOSURE