



SL. NO.	BAR MARKED AS	TOTAL HEIGHT 6.0 M
1	a	10 mm dia @ 200 mm c/c
2	b	10 mm dia @ 200 mm c/c
3	c	not used
4	d	12 mm dia @ 125 mm c/c
5	e	12 mm dia @ 110 mm c/c
6	g	not used
7	j	not used
8	k	12 mm dia @ 125 mm c/c
9	l	10 mm dia @ 200 mm c/c
10	m	10 mm dia @ 200 mm c/c



S.NO.	TOTAL HEIGHT (HT)	6.0
1	H	4.0
2	A	3.7
3	B	0.80
4	C	0.50
5	D	2.4
6	E	2.0
7	K	0.00
8	T	0.30
9	T2	0.50
10	MAX. BASE PRESSURE (t/m^2)—AS PER DESIGN	11.

1. ALL DIMENSIONS ARE IN 'MILLIMETERS' UNLESS NOTED OTHERWISE. ONLY WRITTEN DIMENSIONS AND REIN. DETAILS SHALL BE FOLLOWED. NO DIMENSION SHALL BE SCALED.
2. GRADE OF CONCRETE IS TO BE M30.
3. THE REINFORCEMENT SHALL BE OF HYSD BARS (GRADE Fe-500D CONFORMING TO IS: 1786).
4. CLEAR COVER TO THE OUTERMOST BARS SHALL BE 50mm FOR STEM & 75mm FOR FOOTING.
5. SAFE BEARING CAPACITY SHOULD NOT LESS THAN THAT GIVEN IN DETAILS DRAWING. INCASE ALLOWABLE SOIL BEARING CAPACITY IS FOUND TO BE LESS THAN THE REQUIRED BEARING CAPACITY, THE SOIL SHOULD BE STABILISED TO ACHIEVE THE SAME. FOR THIS PURPOSE THE WEAK SOIL LAYER SHALL BE REMOVED & REFILLED WITH COMPACTED GRAVEL.
6. 100 DIA WEEP HOLES WITH SLOPE 1 IN 20 SHALL BE PROVIDED AT SPACING OF 1000 C/C BOTH HORIZONTALLY AND VERTICALLY (STAGGERED) IN FULL HEIGHT OF THE RETAINING WALL WITH BOTTOM MOST ROW 150mm ABOVE G.L.
7. BACK FILLING BEHIND THE RETAINING WALL SHALL BE PROVIDED WITH SELECTED EARTH CONFORMING TO APPENDIX 6 OF IRC:78-2014 HAVING PROPERTIES $\phi \geq 30^\circ$, $C=0$, $\delta=20^\circ$
8. FILTER MEDIA BEHIND THE RETAINING WALL SHALL BE PROVIDED WITH SELECTED EARTH CONFORMING TO APPENDIX 6 OF IRC:78-2014 HAVING PROPERTIES $\phi \geq 30^\circ$, $C=0$
9. FILTER MEDIA OR GEOCOMPOSITE MEMBRANE SHALL BE PROVIDED BEHIND RETAINING WALL AS PER MORTH SPECIFICATIONS.
10. TO COUNTER FOR THE DEFLECTION RETAINING WALL SHALL BE CONSTRUCTED TILTED BACK BY 1 IN 100.
11. ANCHORAGE LENGTH SHALL BE PROVIDED AS PER CLAUSE 15.2.3.3 OF IRC: 112-2020
12. LAPPING OF REINFORCEMENT SHALL BE AVOIDED AS FAR AS POSSIBLE. IN CASE LAPPING OF BARS BECOMES UNAVOIDABLE. MINIMUM LAP LENGTH OF REINFORCEMENT BARS SHALL BE CALCULATED AS FOLLOW WITH MAX. ALLOWABLE LAPPING (P) OF 50% ONLY.
(IRC:112-2020) (CLAUSE:15.2.5.1)

LAP LENGTH	IS	=	αl_b but
	αl	=	1.0 FOR $p \leq 25\%$
	αl	=	1.15 FOR $25\% \leq p \leq 33\%$
	αl	=	1.4 FOR $33\% \leq p \leq 25\%$

DEVELOPMENT LENGTH (lbnet)

lbnet	=	$\alpha \cdot lb$	($\alpha = 1.0$)
lb	=	$K\Phi$	
K	=	40 FOR M30	(Fe500D)
K	=	36 FOR M35	(Fe500D)
K	=	34 FOR M40	(Fe500D)

FOR UNFAVORABLE BOND CONDITION THE I_b SHOULD BE MULTIPLIED BY FACTOR OF 1.43 FOR $\Phi > 32\text{MM}$ I_b , SHOULD BE INCREASED BY MULTIPLYING FACTOR $(100/(132-\Phi))$.

1. GENERAL NOTES
HVS/AKA-JES/PKG-2/ST/BC/GEN/100 (SH. 1 OF 1)

2. TYPICAL DETAIL OF PARAPET WALL
HVS/AKA-JES/PKG-2/ST/BC/MISC/PP/02 (SH. 1 OF 1)

