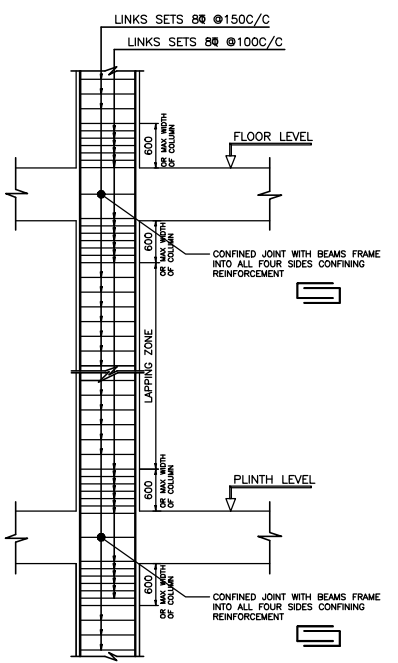
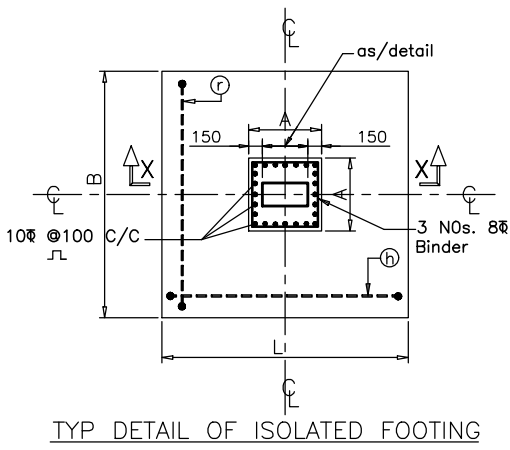


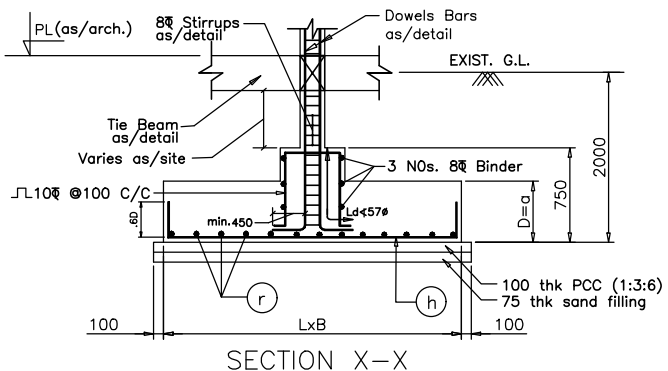
LAYOUT PLAN FOR COLUMN AND FOUNDATION



Typical arrangement for Lateral Ties & Lapping

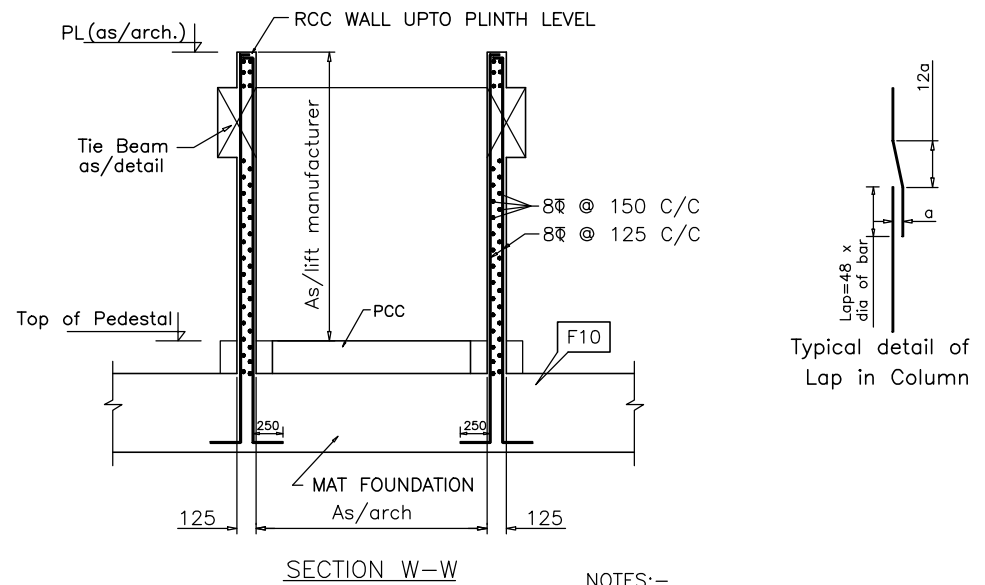


TYP DETAIL OF ISOLATED FOOTING



SECTION X-X

REINFORCEMENT DETAIL OF COLUMNS								
Column Nos.	C2	C3	C4	C5	C6	C7	C8	C9
Floor								
ROOF & ABOVE								
4th FLOOR to ROOF								
SIZE (MMS)	+10-12#	+10-12#	+4-16# +6-12#	+6-16# +4-12#	+8-16# +4-12#	+4-20# +4-16#	+14-16#	+14-16#
3rd FLOOR to 4th FLOOR								
SIZE (MMS)	(500x230)	(500x230)	(500x230)	(500x230)	(600x230)	(600x230)	(600x350)	(600x350)
2nd FLOOR to 3rd FLOOR								
SIZE (MMS)	(500x230)	(500x230)	(500x230)	(500x230)	(600x230)	(600x230)	(600x350)	(600x350)
1st FLOOR to 2nd FLOOR								
SIZE (MMS)	(500x230)	(500x230)	(500x230)	(500x230)	(600x230)	(600x230)	(600x350)	(600x350)
FOUNDATION to 1st FLOOR								
SIZE (MMS)	(500x230)	(500x230)	(500x230)	(500x230)	(600x230)	(600x230)	(600x350)	(600x350)



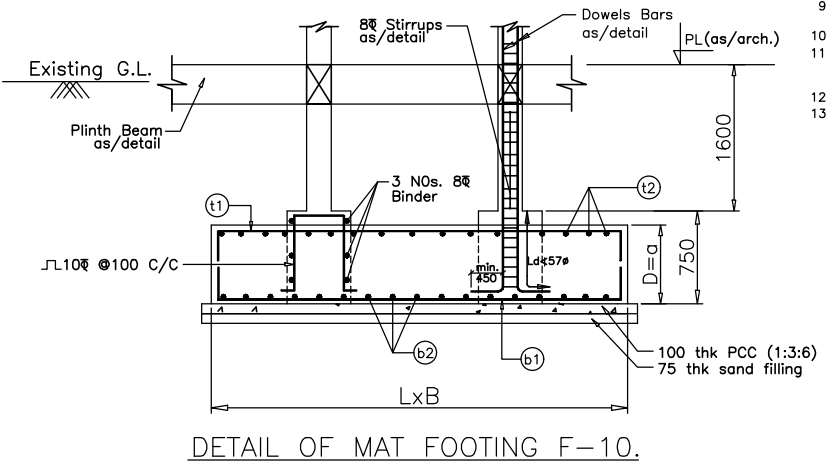
SECTION W-W

NOTES:-

1. Read this drawing alongwith architectural & structural drawings.
2. Do not scale, follow written dimensions only.
3. All dimensions & levels shall be checked & co-related with relevant architectural & structural drawing & in case of any ambiguity the matter shall be brought to the notice of the consultant before starting the work.
4. Grade of concrete shall be M-20.
5. # means High Yield Strength Deformed Bar having yield strength of 500 N/mm<sup>2</sup>.
6. Clear cover to main reinforcement shall be 50mm for Footing, 40mm for Column, 25mm for Beam and 20mm for Slab.
7. Not more than 50% of bars shall be lapped at any section.
8. Lap length shall be equal to Ld=57 times smaller Dia of bars and shall be avoided in following cases-  
Top bars-near support, Bottom bars-near mid span
9. Wherever necessary chairs @750mm shall be provided to support the top reinforcement.
10. All concrete shall be machine mixed and machine vibrated.
11. Sufficient concrete cube test and steel yield strength test is to be performed for different batches & report shall be submitted to consultants in time.
12. Use 10% extra cement in concrete for casting under the water table.
13. Net safe Bearing Capacity of the soil is 18.00 T/m<sup>2</sup> at 2000 mm below ground level as per assumption.

DETAIL OF FOOTINGS

FOOTING MARKS	L x B	D	a	REINFORCEMENT DETAILS					
				(h)	(r)	(b1)	(b2)	(t1)	(t2)
F1	2100 x 2100	400	400	10# @ 125 C/C	10# @ 125 C/C				
F2	2200 x 2200	400	400	10# @ 110 C/C	10# @ 110 C/C				
F3	2400 x 2400	450	450	12# @ 125 C/C	12# @ 125 C/C				
F4	2500 x 2500	500	500	12# @ 125 C/C	12# @ 125 C/C				
F5	2700 x 2700	500	500	12# @ 125 C/C	12# @ 125 C/C				
F6	2900 x 2900	550	550	12# @ 110 C/C	12# @ 110 C/C				
F7	3100 x 3100	600	600	12# @ 100 C/C	12# @ 100 C/C				
F8	3300 x 3300	650	650	16# @ 150 C/C	16# @ 150 C/C				
F9	2800 x 2600	550	550	12# @ 125 C/C	12# @ 140 C/C				
MAT FOOTING									
F10	4830 x 4750	600	600	16# @ 125 C/C	16# @ 125 C/C	12# @ 150 C/C	12# @ 150 C/C		



DETAIL OF MAT FOOTING F-10.