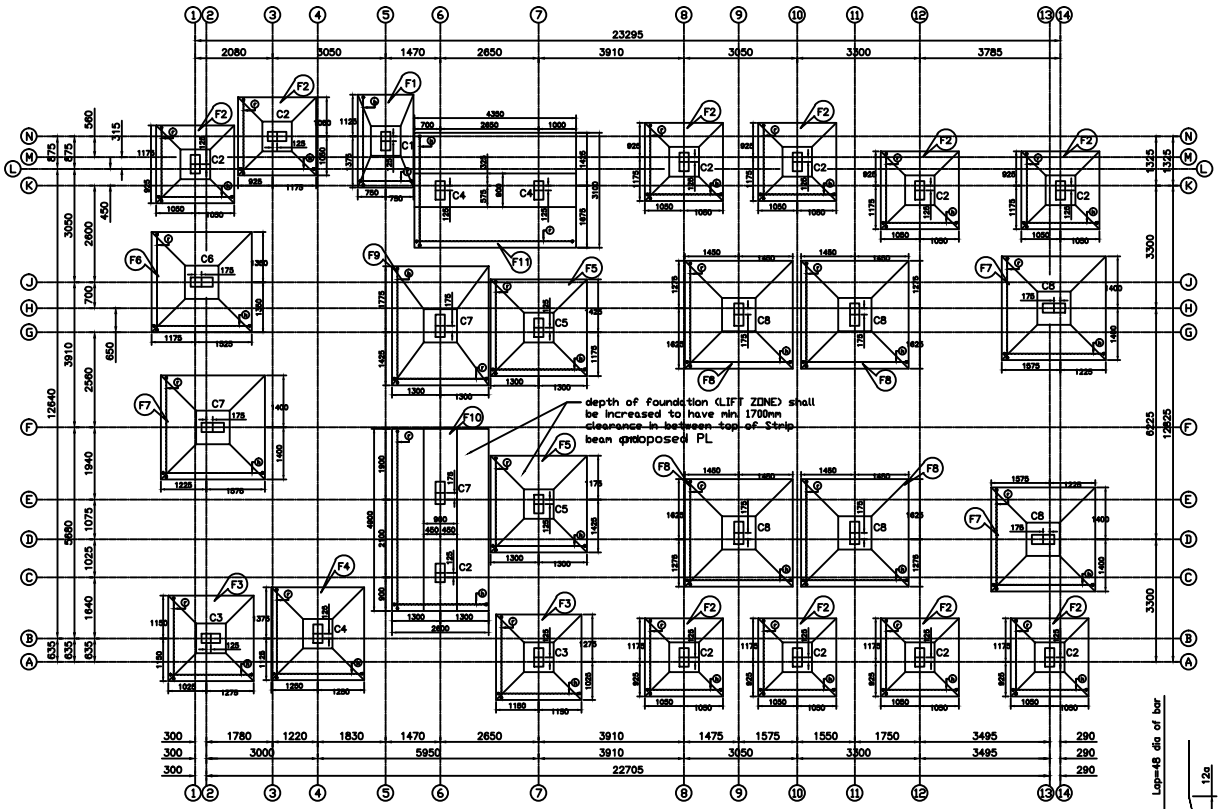
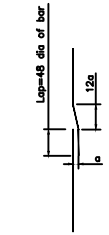


LAYOUT PLAN FOR FOUNDATION AND COLUMN

REINFORCEMENT DETAIL OF COLUMNS

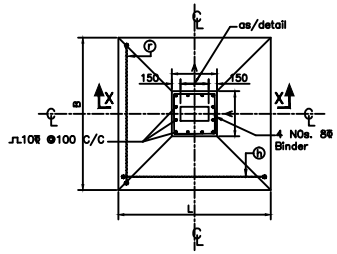
Column Nos. / Floor	C1	C2	C3	C4	C5	C6	C7	C8
ROOF & ABOVE								
SIZE (MMS)								
4th FLOOR to ROOF	•10– 12¢	•10– 12¢	•10– 12¢	•4– 16¢ •6– 12¢	•6– 16¢ •4– 12¢	•10– 16¢	•4– 20¢ •6– 16¢	•4– 20¢ •8– 16¢
SIZE (MMS)	(500x250)	(500x250)	(500x250)	(500x250)	(500x250)	(500x250)	(500x250)	(600x250)
3rd FLOOR to 4th FLOOR	•10– 12¢	•10– 12¢	•4– 16¢ •6– 12¢	•6– 16¢ •4– 12¢	•10– 16¢	•4– 20¢ •6– 16¢	•6– 20¢ •4– 16¢	•6– 20¢ •6– 16¢
SIZE (MMS)	(500x250)	(500x250)	(500x250)	(500x250)	(500x250)	(500x250)	(500x250)	(600x250)
2nd FLOOR to 3rd FLOOR	•10– 12¢	•4– 16¢ •6– 12¢	•6– 16¢ •4– 12¢	•10– 16¢	•4– 20¢ •6– 16¢	•6– 20¢ •4– 16¢	•6– 20¢ •6– 16¢	•8– 20¢ •4– 16¢
SIZE (MMS)	(500x250)	(500x250)	(500x250)	(500x250)	(500x250)	(500x250)	(600x250)	(600x250)
1st FLOOR to 2nd FLOOR	•4– 16¢ •6– 12¢	•6– 16¢ •4– 12¢	•10– 16¢	•4– 20¢ •6– 16¢	•6– 20¢ •4– 16¢	•6– 20¢ •6– 16¢	•8– 20¢ •4– 16¢	•12– 20¢
SIZE (MMS)	(500x250)	(500x250)	(500x250)	(500x250)	(500x250)	(600x250)	(600x250)	(600x250)
FOUNDATION to 1st FLOOR	•6– 16¢ •4– 12¢	•10– 16¢	•4– 20¢ •6– 16¢	•6– 20¢ •4– 16¢	•10– 20¢	•8– 20¢ •4– 16¢	•12– 20¢	•4– 25¢ •8– 20¢
SIZE (MMS)	(500x250)	(500x250)	(500x250)	(500x250)	(500x250)	(600x250)	(600x250)	(600x250)



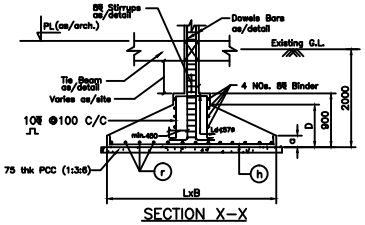
(Typical detail of Lap in Column)

DETAIL OF FOOTINGS

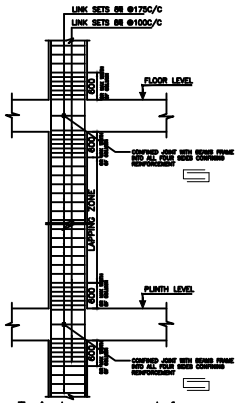
FOOTING MARKS	L x B	D	a	B1xD1	REINFORCEMENT DETAILS (h)	(r)	(b1)	(b2)	(t1)	(t2)	Stirrups 10¢–4 Legged AT SUPPORT/ MID SPAN
F1	2500 x 1500	500	225		12¢ @ 110 C/C	10¢ @ 110 C/C					
F2	2100 x 2100	450	200		10¢ @ 110 C/C	10¢ @ 110 C/C					
F3	2300 x 2300	500	225		12¢ @ 140 C/C	12¢ @ 140 C/C					
F4	2500 x 2500	500	225		12¢ @ 110 C/C	12¢ @ 110 C/C					
F5	2600 x 2600	550	250		12¢ @ 110 C/C	12¢ @ 110 C/C					
F6	2700 x 2700	600	275		12¢ @ 100 C/C	12¢ @ 100 C/C					
F7	2800 x 2800	600	275		16¢ @ 140 C/C	16¢ @ 140 C/C					
F8	2900 x 2900	600	275		16¢ @ 125 C/C	16¢ @ 125 C/C					
F9	3200 x 2600	600	275		16¢ @ 110 C/C	12¢ @ 110 C/C					
	STRIP FOOTING										
F10	2600 x 4900	550	250	900 x 1200	12¢ @ 110 C/C	10¢ @ 200 C/C	4–25¢+3–20¢	7–20¢	7–20¢	–	100 C/C
F11	3100 x 4350	600	275	900 x 1050	16¢ @ 125 C/C	10¢ @ 200 C/C	6–20¢	6–20¢	6–20¢	–	100 C/C



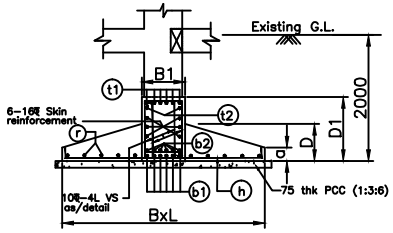
TYP DETAIL OF ISOLATED FOOTING



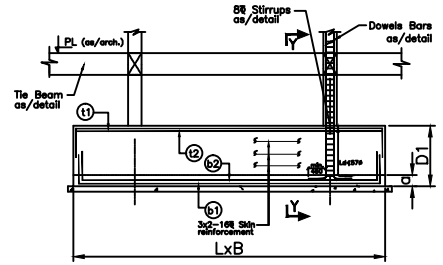
SECTION X–X



Typical arrangement for Lateral Ties & Lapping



SECTION Y–Y



DETAIL OF STRIP FOOTING F–10 & F–11.

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/mm².
6. Clear cover to main reinforcement shall be 50mm for Footing, 40mm for Column, 25mm for Beam and 15mm 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. Gross Bearing Capacity of the soil is 15.00 T/m² at 2000 mm below ground level as per soil test report.