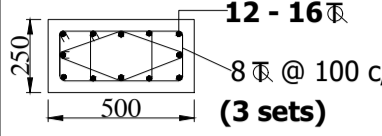
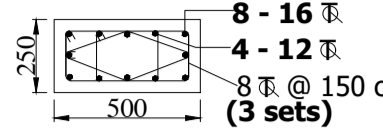
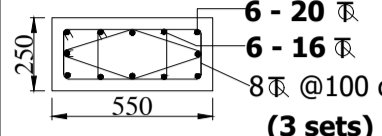
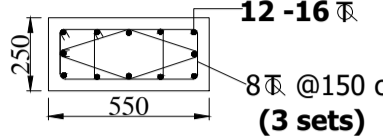
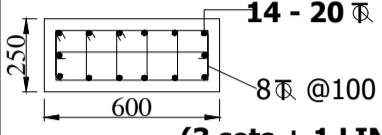
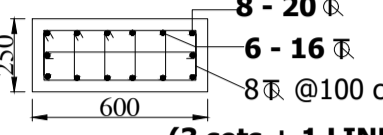
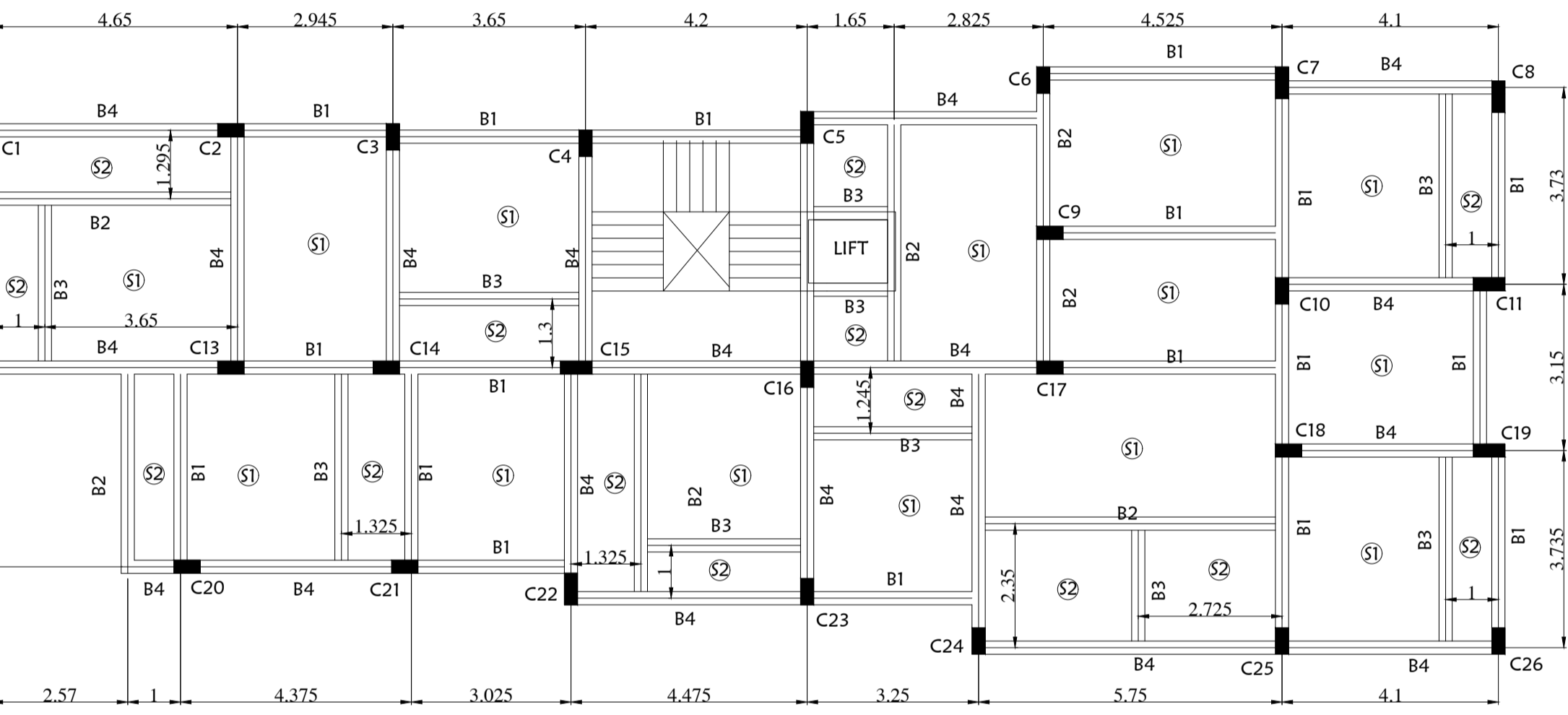


SCHEDULE OF COLUMNS

COLUMN MKD.	UP TO 3RD FLOOR	ABOVE 3RD FLOOR
C1,C2,C3,C6,C8,C11,C12,C19,C20,C22,C23,C26		
C4,C5,C7,C9,C10,C13,C14,C17,C18,C21,C24,C25		
C15,C16		

SCHEDULE OF TIE BEAMS

BEAM MKD.	BEAM SIZE	REINF. AT SUPPORT			REINF. AT MID SPAN		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
TB1	250 x 400	2 - 16 T + 2 - 16 T	2 - 16 T	2L8 T @150 c/c	2 - 16 T	2 - 16 T + 2 - 16 T	2L8 T @200 c/c
TB2	250 x 400	2 - 16 T + 1 - 16 T	2 - 16 T	2L8 T @150 c/c	2 - 16 T	2 - 16 T + 1 - 16 T	2L8 T @200 c/c
TB3	250 x 400	2 - 16 T + 3 - 16 T	2 - 16 T	2L8 T @150 c/c	2 - 16 T	2 - 16 T + 3 - 16 T	2L8 T @200 c/c



BEAM & SLAB LAYOUT PLAN

ALL C/L ARE BEAM C/L
SCALE - 1:1

SCHEDULE OF SLABS

SLAB MKD.	THICKNESS	REINF. ALONG SHORTER SPAN		REINF. ALONG LONGER SPAN	
		TOP	BOTTOM	TOP	BOTTOM
S1	120	8 T @ 150 c/c	8 T @ 150 c/c	8 T @ 150 c/c	8 T @ 150 c/c
S2	120	8 T @ 175 c/c	8 T @ 175 c/c	8 T @ 175 c/c	8 T @ 175 c/c

SCHEDULE OF BEAMS

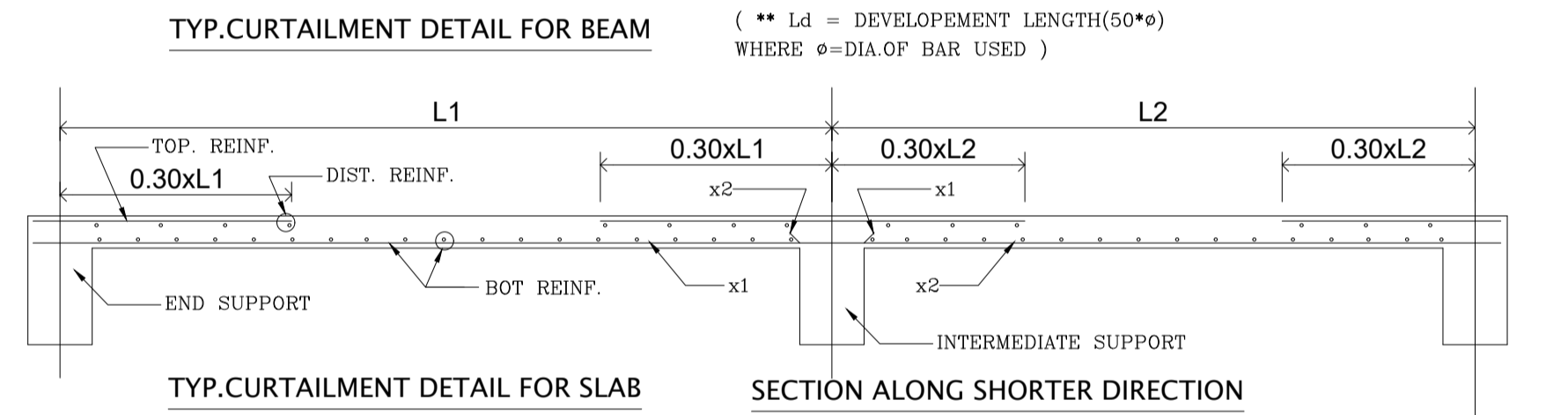
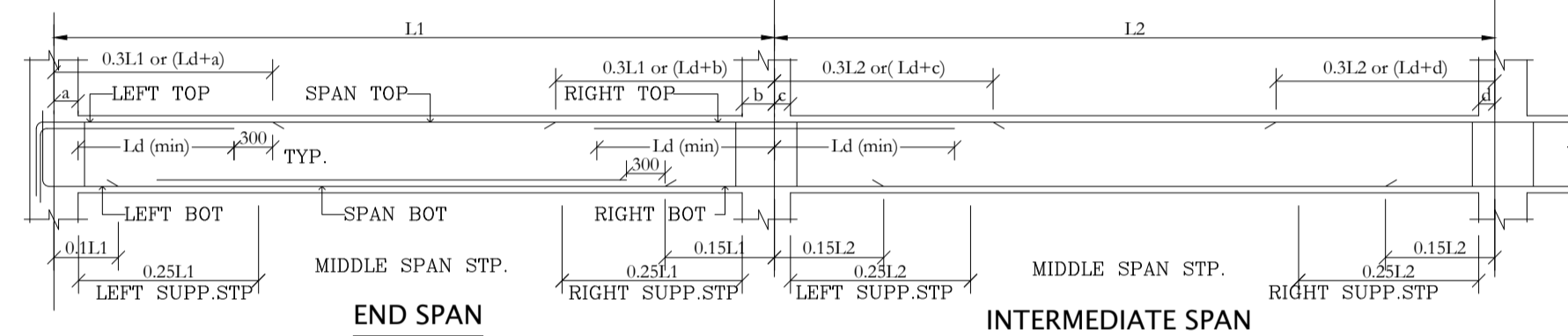
BEAM MKD.	BEAM SIZE	REINF. AT SUPPORT			REINF. AT MID SPAN		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
B2	250 x 400	2 - 16 T + 2 - 16 T	2 - 16 T	2L8 T @ 100 c/c	2 - 16 T	2 - 16 T + 2 - 16 T	2L8 T @ 150 c/c
B1	250 x 400	3 - 16 T + 2 - 16 T	3 - 16 T	2L8 T @ 100 c/c	3 - 16 T	3 - 16 T + 2 - 16 T	2L8 T @ 150 c/c
B3	250 x 400	2 - 16 T + 1 - 16 T	2 - 16 T	2L8 T @ 100 c/c	2 - 16 T	2 - 16 T + 1 - 16 T	2L8 T @ 150 c/c
B4	250 x 400	3 - 16 T + 3 - 16 T	3 - 16 T	2L8 T @ 100 c/c	3 - 16 T	3 - 16 T + 3 - 16 T	2L8 T @ 150 c/c
B5	250 x 400	5 - 16 T	3 - 16 T	2L8 T @ 100 c/c	5 - 16 T	3 - 16 T	2L8 T @ 150 c/c

SCHEDULE OF COMBINED FOUNDATION

COLUMN MKD.	SIZE OF FOOTING	PEDESTAL SIZE	DEPTH OF FOOTING SLAB	REINFORCEMENT
C9-C17	3000 X 5000	—	250 - 400	12 T @ 125c/c + 12 T @ 150c/c
C5-C16-LIFT	3500 X 6825	—	250 - 400	12 T @ 125c/c + 12 T @ 150c/c

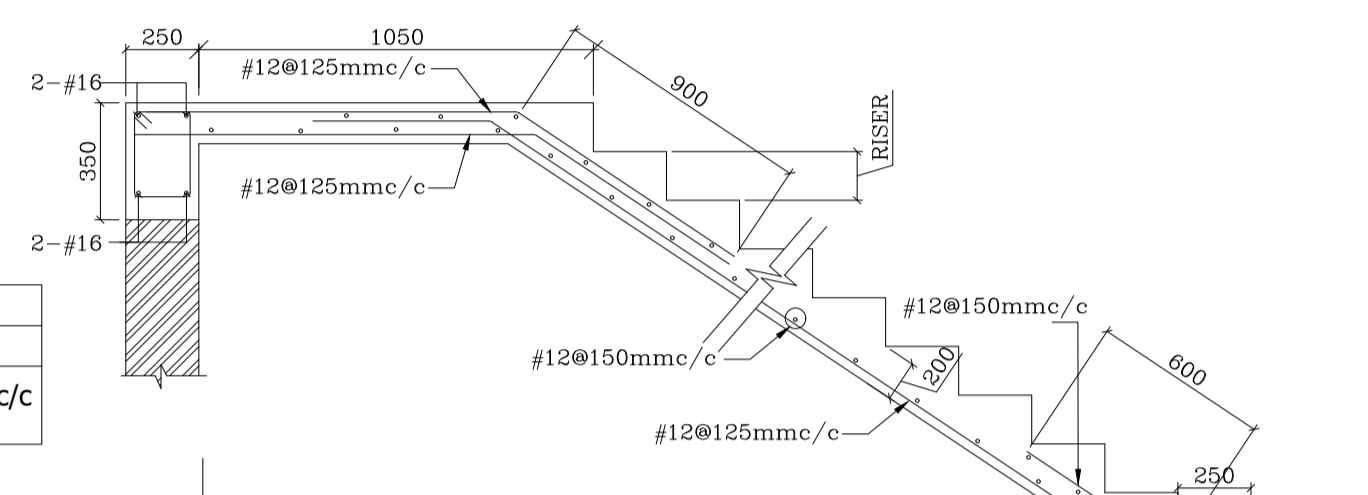
SCHEDULE OF FOUNDATION BEAMS

BEAM MKD.	BEAM SIZE	REINF. AT SUPPORT			REINF. AT MID SPAN		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
FB1	600 x 700	4 - 20 T	4 - 20 T	4L10 T @100 c/c	4 - 20 T	4 - 20 T	4L10 T @ 150 c/c



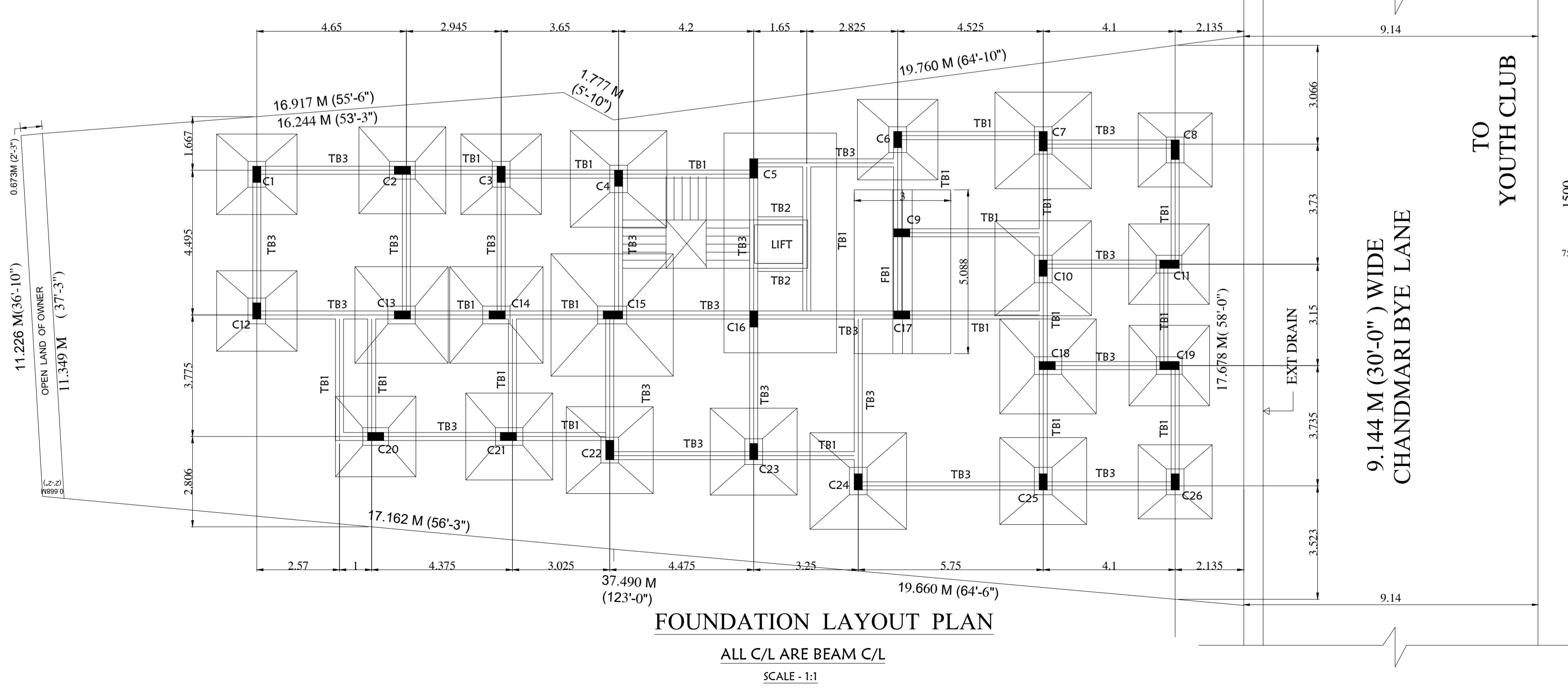
SCHEDULE OF COLUMN FOOTINGS

COLUMN MKD.	SIZE OF FOOTING	PEDESTAL SIZE	DEPTH OF FOOTING SLAB	REINFORCEMENT
C8,C26	2300 X 2300	550 X 800 X 150	250 - 500	12 T @ 150c/c(B/W)
C1,C3,C6,C11,C12,C19,C20	2500 X 2500	550 X 800 X 150	250 - 500	12 T @ 150c/c(B/W)
C2,C21,C22,C23,C25	2700 X 2700	550 X 850 X 150	250 - 500	12 T @ 100c/c(B/W)
C4,C7,C10,C13,C14,C18,C24	3000 X 3000	550 X 850 X 150	250 - 500	12 T @ 100c/c(B/W)
C15	3800 X 3800	550 X 900 X 150	350 - 600	16 T @ 150c/c(B/W)



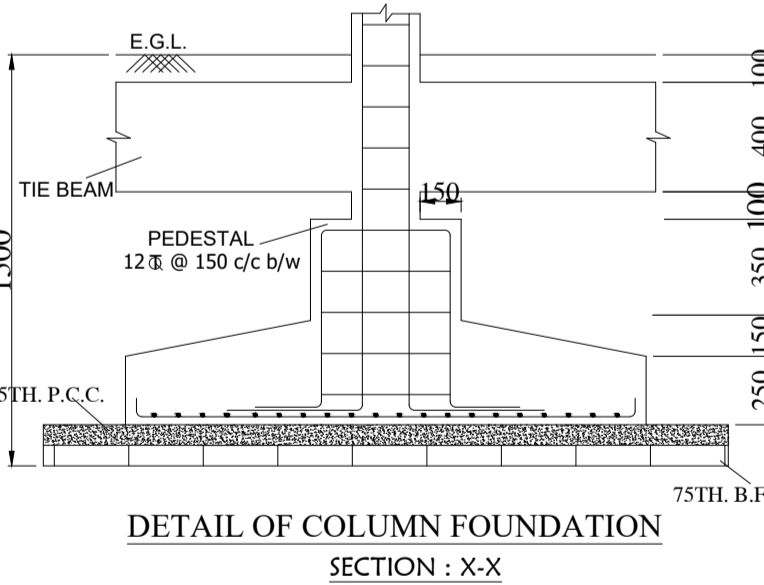
DET. OF FLIGHT

(FOR ACTUAL DIMENSION OF TREAD/RISER, LANDING REF. ARCHITECTURAL DRAWING)



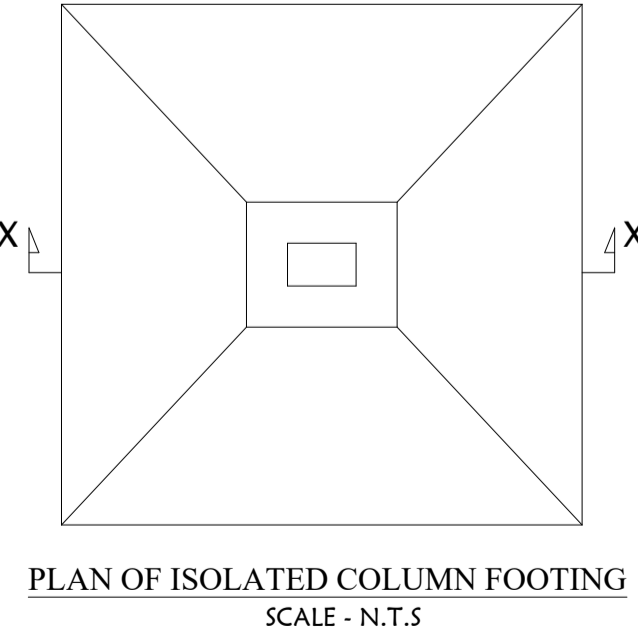
FOUNDATION LAYOUT PLAN

ALL C/L ARE BEAM C/L
SCALE - 1:1



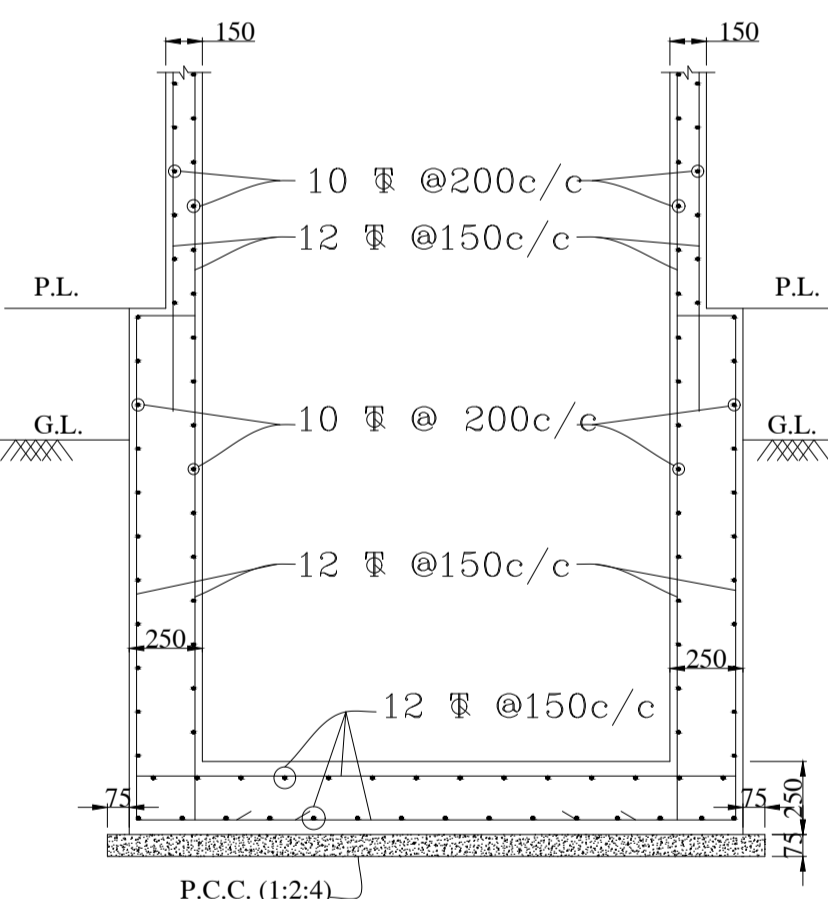
DETAIL OF COLUMN FOUNDATION

SECTION : X-X



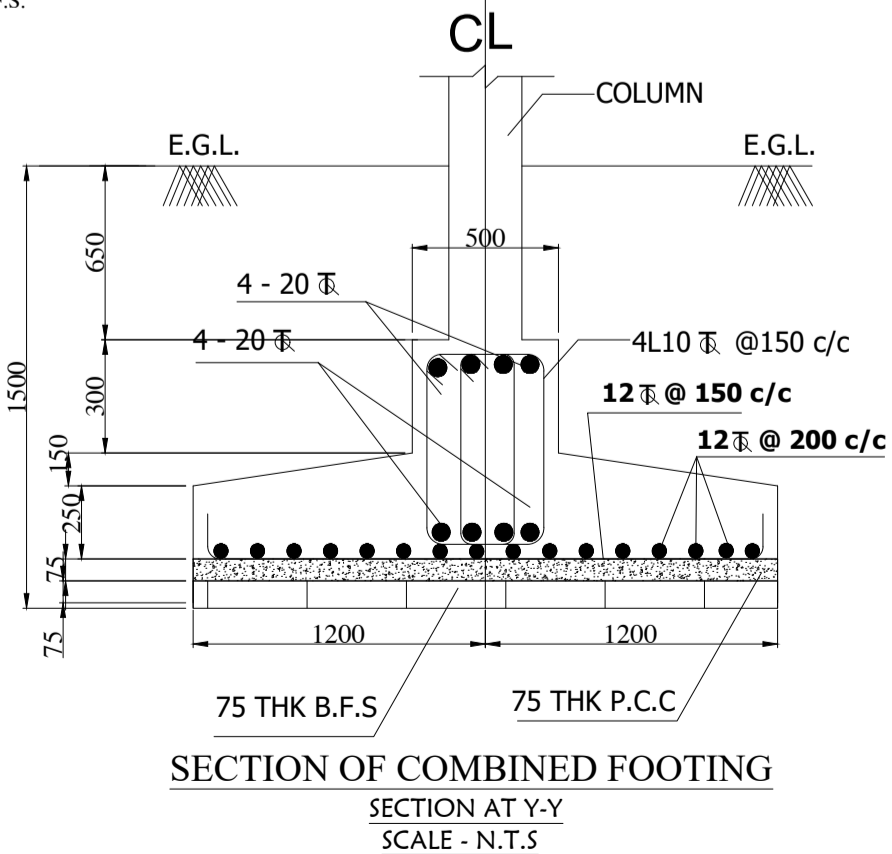
PLAN OF ISOLATED COLUMN FOOTING

SCALE - N.T.S



LIFT WALL REINFORCEMENT

SECTION AT Z-Z
SCALE - N.T.S



SECTION OF COMBINED FOOTING

SECTION AT Y-Y
SCALE - N.T.S

PLAN OF PROPOSED G+IV STORIED RESIDENTIAL BUILDING OF SMT KAMALA DAS W/O - SRI AJOY KUMAR DAS AT MOUZA - ICHLABAD, J.L. NO-75 , C.S. PLOT NO- 869 , L.R. PLOT NO-2458 , C.S. KH. NO- 475 , L.R. KH NO-1791 , MAHALLA- G.T. ROAD EAST END, HOLDING NO-01 , WARD NO-11 , UNDER BURDWAN MUNICIPALITY, P.S.- BURDWAN & DIST- PURBA BARDHAMAN.

SPECIFICATIONS :

1. ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHER WISE NOTED
2. ALL LEVELS OF THE BUILDING SHOULD BE CHECKED WITH THE RELEVANT ARCHITECTURAL DRAWINGS.
3. ALL THE DEPTH OF THE FOUNDATION SHOULD BE CONSIDERED FROM EXISTING GROUND LEVEL
4. ALL THE FOUNDATIONS ARE TO BE DONE WITH CONCRETE GRADE M-20 (i.e. 1:1.5:3)
5. ALL THE OTHER STRUCTURAL ELEMENTS WITH TIE BEAMS / SLABS ARE TO BE MAINTAINED WITH M-20 GRADE CONCRETE (i.e. 1:1.5:3) & M-25 GRADE FOR COLUMN
6. LAP LENGTH OF REINFORCEMENT : 50 D OF BAR.
7. COVER OF REINFORCEMENT :
FOUNDATION - 75
BEAM - 25
SLAB - 15
COLUMN - 40
8. DEVELOPMENT LENGTH OF THE REINFORCEMENT SHOULD BE MAINTAINED FOR ALL THE BEAM REINFORCEMENT (INCLUDING EXTRA REINFORCEMENT).
9. OVERLAPPING BEAMS ARE TO BE MAINTAINED WITH A 50 MM. CRANK TO PLACE THE REINFORCEMENT OF THE
10. ALL THE CONSTRUCTIONAL PROCEDURE SHOULD FOLLOW THE I.S CODE, I.S. 456
11. GRADE OF STEEL SHOULD BE Fe 500.
12. GRADE 53 SHOULD BE THE QUALITY OF CEMENT FOR THE CONCRETING OF THE STRUCTURAL ELEMENT.
13. PROPER CURING OF THE STRUCTURAL ELEMENTS TO BE MAINTAINED WITH THE HELP OF HESSIAN CLOTH.
14. DESHUTTERING OF THE SLAB/BEAMS SHOULD BE FOLLOWED STRICTLY WITH I.S.456
15. ALL EXTERNAL WALL SHOULD BE 200 THK. & INTERNAL WALL SHOULD BE 125 THK. UNLESS OTHERWISE STATED.

SUTAPA GHOSH
SIGNATURE OF ARCHITECT

STRUCTURAL DECLARATION
CERTIFIED THAT THE FOUNDATION AND THE SUPER STRUCTURE OF THE BUILDING SO DESIGNED BY ME TO BE SAFE IN ALL RESPECTS INCLUDING THE CONSIDERATION OF ALL POSSIBLE LOADS (HORIZONTAL & VERTICAL) AS PER N.B.C. (I) LATEST EDITION.

ASIM SARKAR
SIGNATURE OF STRUCTURAL ENGINEER

ASIM SARKAR
SIGNATURE OF GEOTECH ENGINEER

KAMALA DAS
SIGNATURE OF OWNER

SCALE - 1:1

