PRODUCED BY AN AUTODESK STUDENT VERSION

SCHEDULE OF FOUNDATION

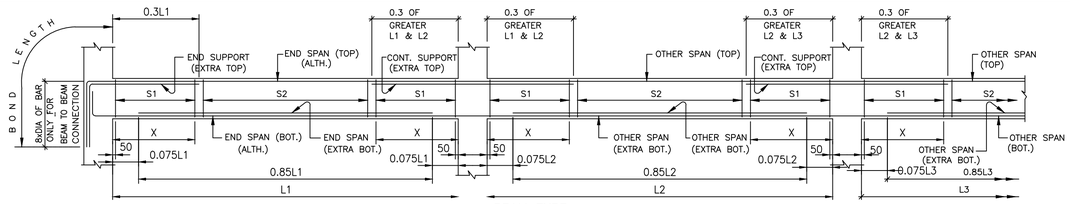
DEPTH OF FOUNDATION = 1.5 M. BELOW E.G.L.

FND. MKD.	TYPE OF FND.	DEPTH	SIZE OF FOUNDATION L(M.)	SIZE OF FOUNDATION W (M.)	THICKNESS OF SLAB (MM.)	REINFORCEMENT IN SLAB ALONG SHORTET DIRECTION	REINFORCEMENT IN SLAB ALONG LONGER DIRECTION
F-1	ISOLATED FOOTING	1500	2.4	2.4	400 TO 200	12 T @ 125 MM. C/C.	12 T @ 125 MM. C/C.
F-2		1500	2.7	2.7	500 TO 200	12 T @ 110 MM. C/C.	12 T @ 110 MM. C/C.
F-3		1500	3.0	3.0	500 TO 200	12 T @ 110 MM. C/C.	12 T @ 150 MM. C/C.
F-4	COMBIND FOOTING	1500	4.0	2.4	500 TO 200	12 T @ 110 MM. C/C.	12 T @ 150 MM. C/C.
F-5		1500	4.5	2.4	500 TO 200	12 T @ 110 MM. C/C.	12 T @ 150 MM. C/C.
F-6	RAFT FTG	P.L. TO TOP OF FDN SLAB 1650	AS SHOWN IN PLAN		AS SHOWN (MKD. X)		

SCHEDULE OF BEAM

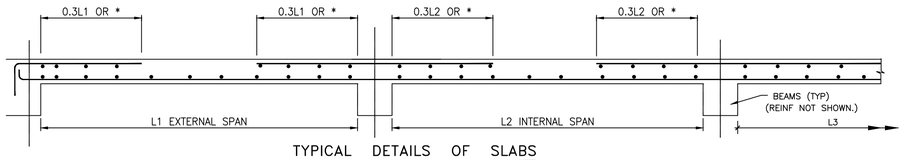
BEAM MKD.	SIZE OF BEAM (MM. X MM.)	SUPPORT LONG REINF. TOP	SUPPORT LONG REINF. BOTTOM	SPAN LONG REINF. TOP	SPAN LONG REINF. BOTTOM	STIRRUPS END L/4	STIRRUPS MID L/2
B-1	250 (WIDTH) X 400 (DEPTH)	2- 16 T + 2 - 16 T	2 - 16 T	2- 16 T	2 - 16 T + 2-16 T	8 T @ 125 MM. C./C.	8 T @ 175 MM. C./C.
B-2	250 (WIDTH) X 400 (DEPTH)	3- 16 T 2-16 T	3 - 16 T	3- 16 T	3 - 16 T + + 2-16 T		
B-3	250 (WIDTH) X 450 (DEPTH)	3- 16 T + 3-20 T	3 - 16 T	3- 16 T	3 - 16 T + + 3-20 T		
TB1	250 (WIDTH) X 400 (DEPTH)	3- 16 T	3 - 16 T	3- 16 T	3 - 16 T		
TB2	250 (WIDTH) X 400 (DEPTH)	4- 16 T	4 - 16 T	4- 16 T	4 - 16 T		
R2	450 (WIDTH) X 600 (DEPTH)	4- 16 T	4 - 16 T + 4-16 T	4- 16 T + 4-16 T	4 - 16 T	X	Y

X - 4L-8 T @ 125 MM. C./C.
Y - 4L-8 T @ 175 MM. C./C.



BEAM TYPE
(MULTIPLE SPAN BEAM)

CURTAILMENT DETAILS FOR BEAM



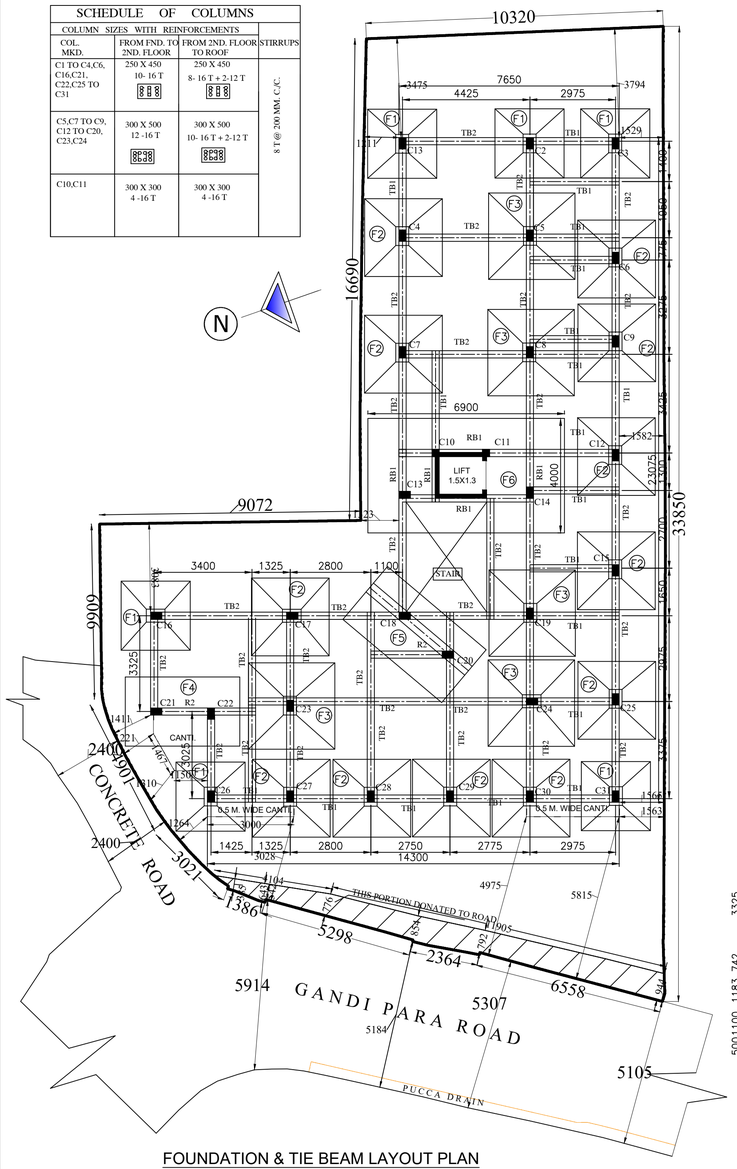
TYPICAL DETAILS OF SLABS
(BOND LENGTH WITH WHICHEVER IS GREATER)

SCHEDULE OF SLAB & WALL

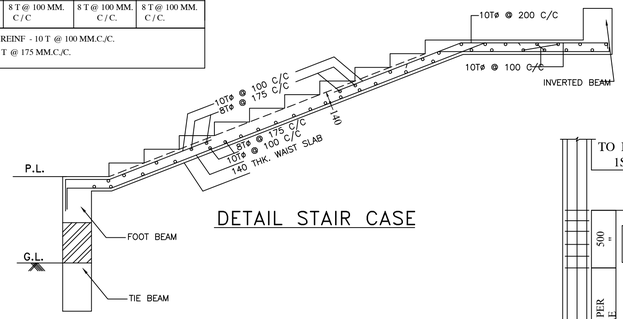
SLAB MKD.	THICK. IN MM.	REINF. ALONG SHORTER DIRET. AT SPAN	REINF. ALONG SHORTER DIRET. AT SUPPORT	REINF. ALONG LONGER DIRET. AT SPAN	REINF. ALONG LONGER DIRET. AT SUPPORT
S1	115	8 T @ 150 MM. C / C	8 T @ 150 MM. C / C	8 T @ 150 MM. C / C.	8 T @ 150 MM. C / C.
S2	120	8 T @ 100 MM. C / C	8 T @ 100 MM. C / C	8 T @ 100 MM. C / C.	8 T @ 100 MM. C / C.
STAIR (S/C)	140	LONG MAIN REINF - 10 T @ 100 MM.C./C. DIST REINF - 8 T @ 175 MM.C./C.			

SCHEDULE OF COLUMNS

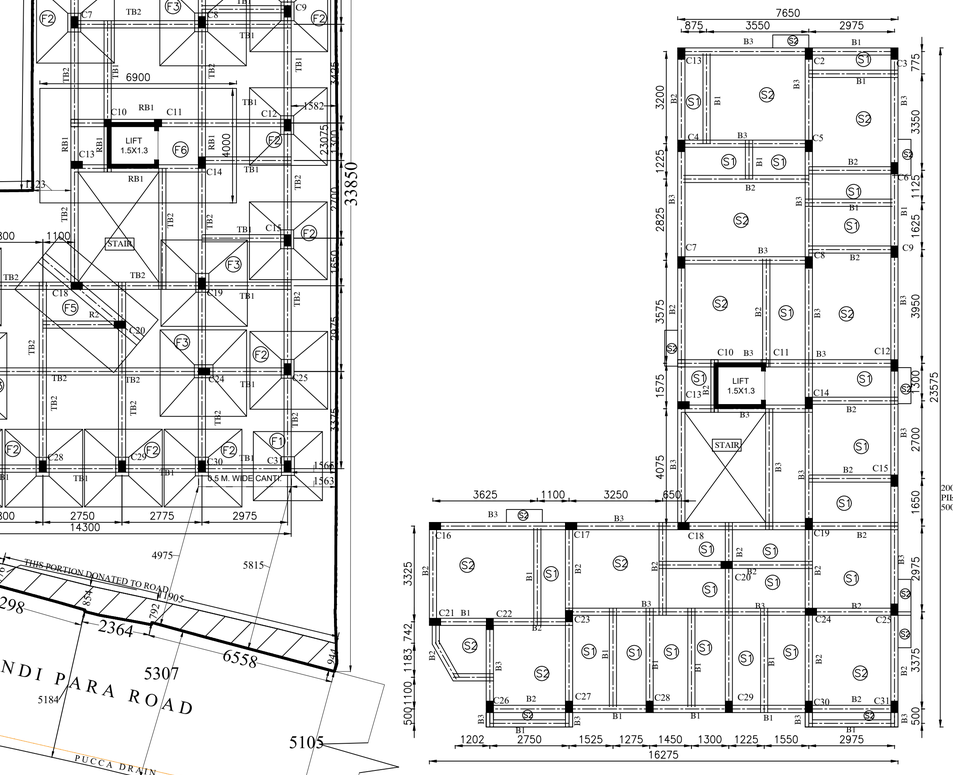
COLUMN SIZES WITH REINFORCEMENTS COL. MKD.	FROM FND. TO 2ND. FLOOR	FROM 2ND. FLOOR TO ROOF	STIRRUPS
C1 TO C4,C6, C16,C21, C22,C25 TO C31	250 X 450 10- 16 T	250 X 450 8- 16 T + 2-12 T	8 T @ 200 MM. C./C.
C5,C7 TO C9, C12 TO C20, C23,C24	300 X 500 12 -16 T	300 X 500 10- 16 T + 2-12 T	
C10,C11	300 X 300 4 -16 T	300 X 300 4 -16 T	



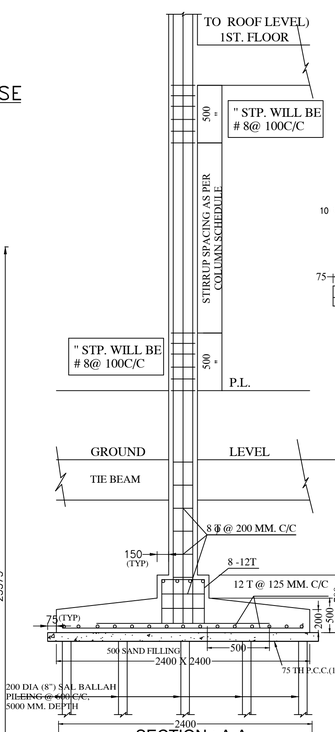
FOUNDATION & TIE BEAM LAYOUT PLAN
ALL C/L ARE BEAM C/L



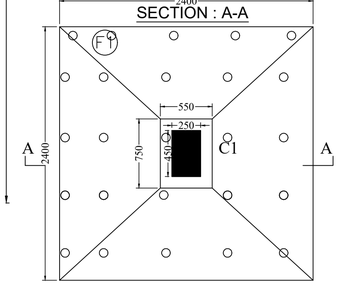
DETAIL STAIR CASE



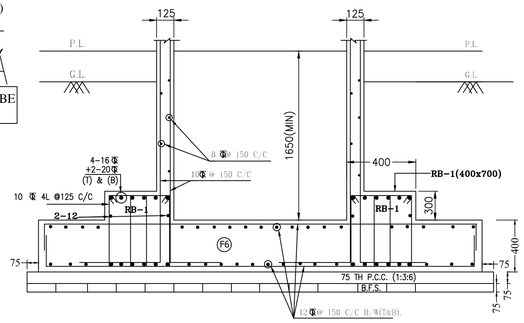
TYP. FLOOR BEAM & SLAB LAYOUT
ALL C/L ARE BEAM C/L



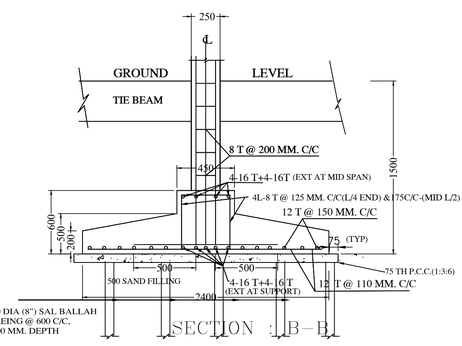
SECTION : A-A



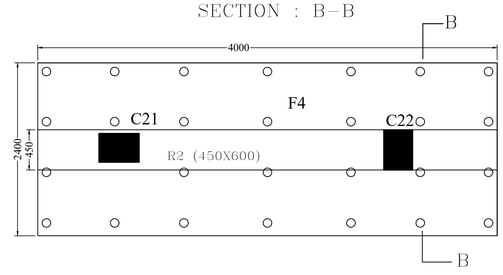
SECTION THRO' F1 UNDER C1



LIFT WITH RAFT FDN SECTION (F6)
(MKD. X)



SECTION : B-B



SECTION THRO' F4 UNDER C21 & C22

Genaral Specification

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCH. DRAWINGS.
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
3. THE DEPTH OF SEPTIC TANK & SEMI UNDER GROUND WATER RESERVOIR . SHOULD NOT EXCEED THE DEPTH OF FOUNDATION
4. *GRADE OF CONCRETE IS M-20 CONFORMING IS :456-1978.*
5. *GRADE OF REINFORCEMENT STEEL SHALL BE H.Y.S.D. . BARS (#) Fe-500,CONFORMING IS :1786-1985.*
6. *CLEAR COVER FOR REINFORCEMENT.*
   1) FOUNDATION SLAB = 50 MM.
   2) FOUNDATION BEAM = 50 MM.
   3) FLOOR BEAM = 25 MM.
   4) FLOOR SLAB = 15 MM.
   5) COLUMN = 40 MM.
7. THE LAPS SHALL BE STAGGERED. NOT MORE THAN 1/3 OF THE TOTAL REINFORCEMENT SHALL BE LAPPED AT A SINGLE SECTION.
8. ALL STIRRUP/HOOPS SHALL BE PROVIDED AS PER IS:13920-1993.
9. SUITABLE FOUNDATION IS TO BE PROVIDED UNDER PARTION WALLS THOSE ARE NOT LOCATED OVER THE TIE BEAM.

STRUCTURAL / GEO TECH.ENGINEER CERTIFICATE

THE STRUCTURAL DRAWING AND DESIGN OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE WIND LOAD, SEISMIC LOAD AS PER THE N B C OF INDIA . I CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT THE FOUNDATION IS SAFE IN RESPECT OF SOIL INVESTIGATION REPORT

GOPAL CHANDRA BAG
GTE- I/27(RM)
BE(Civil),MIGS

GOPAL CHANDRA BAG
E.S.E.-I/61(RSM) BE(Civil),ME
Tel: 9874491448, 9123316954

ARCHITECH / L.B.S. CERTIFICATE

THE PLOT IS A VACANT LAND. THE PLOT IS BOUNDADED BY BOUNDARY WALL
BOUNDARY MEASUREMENT AGREED WITH THE REGD. BOUNDARY
CERTIFIED BY ME WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISIONS OF THE AUTHORITY'S BUILDING RULES AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF ABUTTING ROAD CONFORM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP TANK.

AVIJIT DEB ROY
REGISTERED CIVIL ENGINEER
L. B. S. NO. 099 [CLASS - I] / RJPSON
631, J. N. BOSE ROAD, POST-KODALIA, KOLKATA 700146
MOBILE NO. 9830246073 / 8910361345

WE DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT WE SHALL ENGAGE L.B.S. & E.S.E. AND FOLLOW THE INSTRUCTION OF L.B.S. & E.S.E. DURING CONSTRUCTION OF BUILDING , U.G.W.R. ,S.T. ETC. AS PER B.S. PLAN. K.M. AUTHORITY WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL STABILITY AND ADJOINING STRUCTURE K.M. IS GIVING THE SANCTION ON THE BASIS OF DOCUMENTS SUBMITTED BY ME AND THE PLOT IS IDENTIFIED SANCTION. CONSTRUCTION OF U.G.W.R. & S.T. WILL BE UNDERTAKEN UNDER THE GUIDENCE OF THE L.B.S. / E.S.E. BEFORE STARTING OF NEW BUILDING FOUNDATION WORK.
BY ME. IF ANY SUBMITTED DOCUMENTS FOUND WRONG OR FAKE , THE K.M. AUTHORITY WILL REVOKE THE

SIGNATURE OF OWNER'S

STRUCTURAL PLAN OF PROPOSED (G+ III) STORIED RESIDENTIAL CUM COMMERCIAL BUILDING PLAN AT 35, GANDIPARA ROAD, WARD NO.- 21, MOUZA - BANGSHIDHARPUR, J. L. NO.- 34, R. S. DAG NO.- 698 , L. R. DAG NOS.- 1229 & 1228, R. S. KHATIAN NO.- 349, L. R. KHATIAN NOS.- 1221 & 4332, P. S. - SONARPUR, DIST.- 24 PGS. (S), UNDER RAJPUR SONARPUR MUNICIPALITY.

NAME OF OWNERS -
KHAGENDRA NATH JOARDER & APARNA JOARDER

SEAL

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