PARTY'S COPY

SCHEDULE OF R.C.C. FOUNDATION.

PILE CAP MKD.	UNDER COLUMN	SIZE OF CAP A X B	NO. OF PILE	DIA OF PILE	REINFORCEMENT TOP LAYER SHORTER SPAN	REINFORCEMENT TOP LAYER LONGER SPAN	REINFORCEMENT BOTTOM LAYER SHORTER SPAN	REINFORCEMENT BOTTOM LAYER LONGER SPAN	DEPTH OF PILE CAP
P1	C2/C3/C6/C7/C9/ C18/C21/C22	800X2050	2	500 Ø	12 ₹@ 125C/C.	12 ₹@ 125C/C.	12 ₹@ 125C/C.	12 ₹@ 125C/C.	750
P2	C12	AS PER DRG.	3	500 Ø	16 ₹@ 125C/C.	16 ₹@ 125C/C.	16 ₹@ 125C/C.	16 ₹@ 125C/C.	750
P3	C8/C19	AS PER DRG.	3	450 Ø	16 ₹@ 125C/C.	16 ₹@ 125C/C.	16 ₹@ 125C/C.	16 ₹@ 125C/C.	750
P4	C10+C11+C14+ C15+LIFT	5000X4225	11	500 Ø	16 ₹@ 125C/C.	16 ₹@ 125C/C.	16 ₹@ 125C/C.	16 ₹@ 125C/C.	750
P5	C1/C4/C5/C13/ C16/C17/C20/C23	750X1875	2	450 Ø	12 ₹@ 125C/C.	12 ₹@ 125C/C.	12 ₹@ 125C/C.	12 ₹@ 125C/C.	750

SCHEDULE OF R.C.C. PILE

PILE MKD.	REINFORCEMENT	STIRRUPS	DIA OF PILE	CUT OF PILE	LENGTH OF PILE
ALL PILE	6-16 ₹	8 ₹@115 C/C.(END) 8 ₹@115 C/C.(MID)	450 Ø & 500 Ø	1.5 M.	18.5 M.

SCHEDULE OF SLAB.

SLAB MKD.	THICKNESS MM.	REINFORCEMENT MAIN REINF.	REINFORCEMENT DISTRIBUTION	REMARKS
S1	110	8₹@ 125 C/C.	8₹@ 150 C/C.	PROVIDE 8₹@ 150 C/C. AT EDGES AS EXTRA TOP
S2 STAIR	125	8₹@ 125 C/C.	8₹@ 125 C/C.	
S3 LIFT WELL	125	10₹@ 125 C/C. (BOTH WAYS) IN TWO LAYERS		

SCHEDULE OF BEAM.

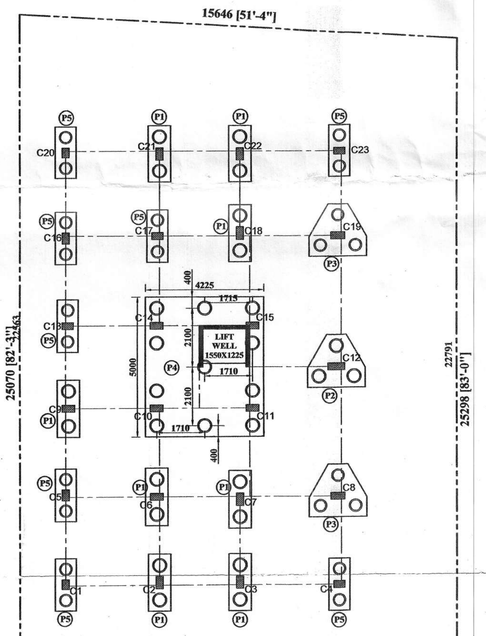
BEAM MKD.	SIZE WIDTH X DEPTH (MM.)	SUPPORT REINFORCEMENT LONGITUDINAL REINFORCEMENT TOP	SUPPORT REINFORCEMENT LONGITUDINAL REINFORCEMENT BOTTOM	SPAN REINFORCEMENT LONGITUDINAL REINFORCEMENT TOP	SPAN REINFORCEMENT LONGITUDINAL REINFORCEMENT BOTTOM	STIRRUPS & SPACING
B1	250X400	3-16 ₹ + 2-16 ₹	3-16 ₹	3-16 ₹	5-16 ₹	8 ₹ @ 2L 150 C/C.
B2	250X300	2-12 ₹ + 2-16 ₹	2-16 ₹	2-12 ₹	4-16 ₹	8 ₹ @ 2L 150 C/C.
B1C	250X350	5-16 ₹	2-16 ₹	5-16 ₹	2-16 ₹	8 ₹ @ 2L 150 C/C.

SCHEDULE OF COLUMN.

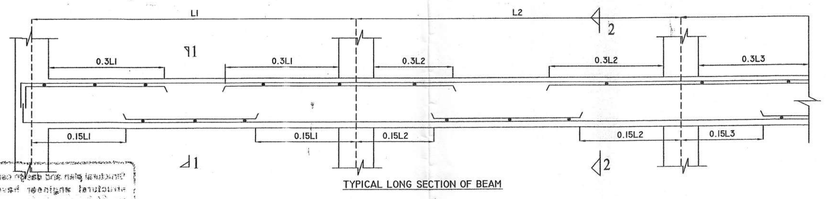
COLUMN MKD.	COLUMN SIZE & REINFORCEMENT AT GROUND FL.	AT FIRST FLOOR	AT 2ND. FLOOR	AT 3RD. FLOOR	AT 4TH. FLOOR	STIRRUPS
C12	250X600 12-20 ₹	250X600 12-20 ₹	250X600 12-20 ₹	250X600 12-20 ₹	250X600 12-20 ₹	2L-8 ₹ @ 150 C/C.
C8/C19	250X500 12-16 ₹	250X500 12-16 ₹	250X500 12-16 ₹	250X500 12-16 ₹	250X500 12-16 ₹	2L-8 ₹ @ 150 C/C.
C1/C20	250X350 6-16 ₹	250X350 6-16 ₹	250X350 6-16 ₹	250X350 6-16 ₹	250X350 6-16 ₹	2L-8 ₹ @ 150 C/C.
C2/C3/C6/C7/ C9/C10/C11/ C14/C15/C18 C21/C22	250X450 10-16 ₹	250X450 10-16 ₹	250X450 10-16 ₹	250X450 10-16 ₹	250X450 10-16 ₹	2L-8 ₹ @ 150 C/C.
C4/C5/C13/ C16/C17/C23	250X400 8-16 ₹	250X400 8-16 ₹	250X400 8-16 ₹	250X400 8-16 ₹	250X400 8-16 ₹	2L-8 ₹ @ 150 C/C.

SCHEDULE TIE-BEAM.

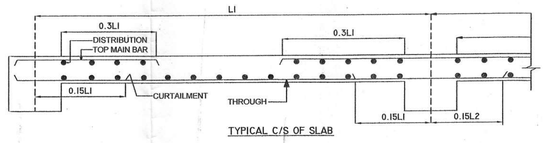
BEAM MKD.	SIZE (W. X D.)	SUPPORT REINF. TOP	SUPPORT REINF. BOTTOM	SPAN REINFORCEMENT TOP	SPAN REINFORCEMENT BOTTOM	STIRRUPS
TB1	250X300	3-12 ₹ + 2-12	3-12 ₹	3-12 ₹	5-12 ₹	8 ₹ @ 2L 150 C/C.



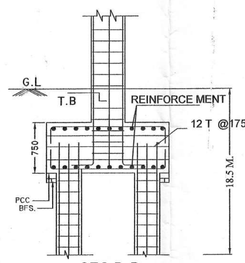
COLUMN SITTING TIE-BEAM & FOUNDATION LAY-OUT PLAN.



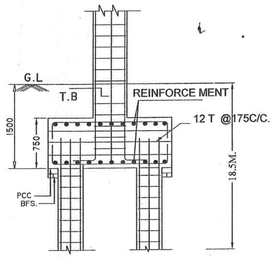
TYPICAL LONG SECTION OF BEAM



TYPICAL C/S OF SLAB



SEC:B-B



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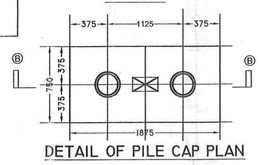
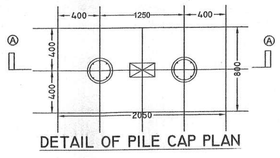
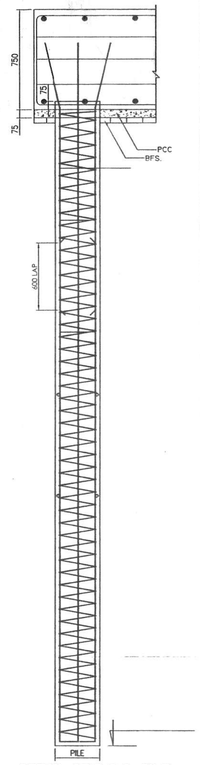


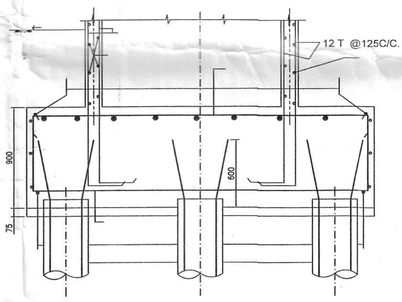
DETAIL OF PILE CAP PLAN



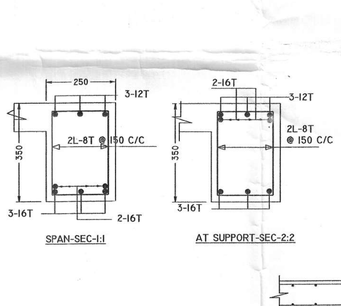
DETAIL OF PILE CAP PLAN



DETAIL OF R.C.C. PILE (LENGTH -18.5 M.)

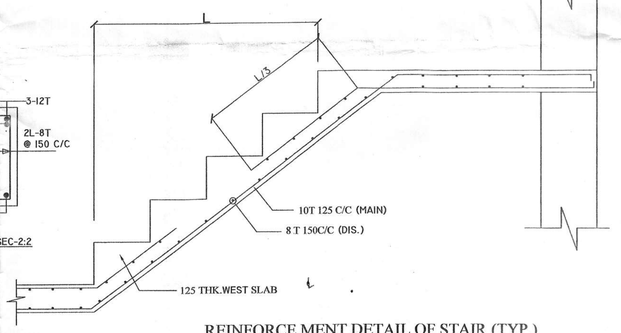


DETAIL OF LIFT

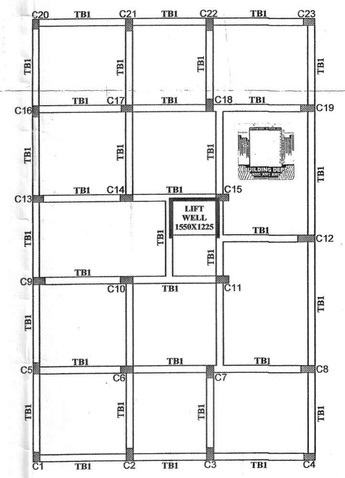


SPAN-SEC-1-1

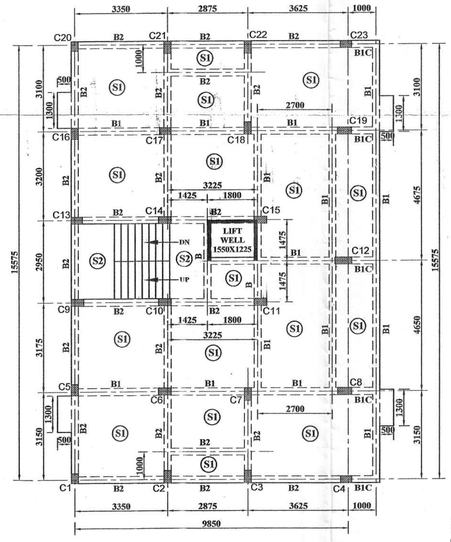
AT SUPPORT-SEC-2-2



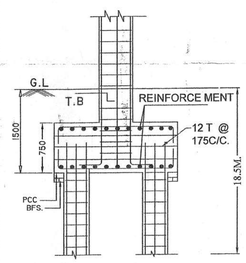
REINFORCE MENT DETAIL OF STAIR (TYP.)



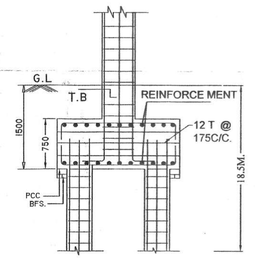
TIE BEAM AT GROUND LEVEL



FLOOR BEAM & SLAB ARRANGEMENT



SEC: C-C



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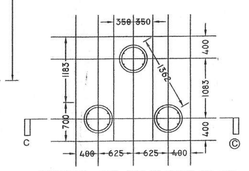
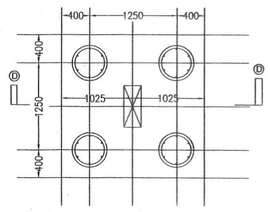


DETAIL OF PILE CAP PLAN



DETAIL OF PILE CAP PLAN

STRUCTURAL PLAN OF G+IV STORIED RESIDENTIAL BUILDING (U/S- 393A OF C.M.C. ACT. 1980) COMPLYING BUILDING RULE 2009 AT PREMISES NO.- 70/1, PURBACHAL ROAD, WARD NO.- 106, BOROUGH - XII, P.S.- GARFA, KOLKATA- 700 078, BUILDING HT.- 15.225 M.

R.S. DAG NO.- 1716 & 1717, R.S. KHATIAN NO.- 7 & 888, MOUZA- GARFA, J.L. NO.- 19.

SCALE - 1:100, 1:50, 1:25.

ALL DIAMENTIONS ARE IN MM.
(UNLESS OTHERWISE MENTIONED).

SPECIFICATIONS :-

1. **ALL** R.C.C. WORK WITH STONE CHIPS, SAND & **CEMENT** (3:1.5:1).
2. **GRADE** OF CONCRETE - M20.
3. **GRADE** OF STEEL - Fe500.
4. **ALL MA**TERIALS SHALL BE CONFORMED TO THE **PROPORTION OF NATIONAL** BUILDING CODE OF INDIA.
5. **THE** DEPTH OF SEMI UNDER GROUND WATER RESERVOUR & **SEPTIC** TANK WILL NOT EXCEED THE DEPTH OF **BUILDING** FOUNDATION.

CERTIFICATE OF GEO-TECH. ENGINEER:-

UNDERSIGNED HAS INSPECTED THE SITE CARRIED **OUT** THE SOIL **INVESTIGATION** THEREIN. IT IS CERTIFIED THAT **THE EXISTING** SOIL **OF THE** SITE IS ABLE TO CARRY THE LOAD **COMING FROM** THE **PROPOSED** CONSTRUCTION AND THE FOUNDATION **SYSTEM PROPOSED** THEREIN IS SAFE AND STABLE IN ALL **RESPECT** FROM **GEO-TECHNICAL** POINT OF VIEW.

Rupak Kumar Banerjee
RUPAK KUMAR BANERJEE
G.E., M.E., M.I.S.
M.E., CHARTERED ENGINEER
GEO-TECHNICAL ENGINEER (I)
M.-183878.

RUPAK KUMAR BANERJEE
G.T.- I/3
SIGN. OF G.T.E.

CERTIFICATE OF STRUCTURAL ENGINEER :-

I DO HEREBY CERTIFIED THAT THE STRUCTURAL **DESIGN** AND **DRAWING** OF BOTH FOUNDATION AND SUPER **STRUCTURE** OF THE **BUILDING** HAS BEEN MADE BY ME CONSIDERING **ALL POSSIBLE LOADS** INCLUDING SEISMIC LOAD AS PER **NATIONAL BUILDING** CODE **OF INDIA** CERTIFIED THAT IT IS SAFE AND STABLE **IN ALL** RESPECTS. **SOIL TESTING** HAS BEEN DONE BY RUPAK KUMAR **BANERJEE** OF **ACUMEN** GEO CONSULTANTS OF 2F, NABA ROY **LANE, ALIPORE, KOLKATA** - 700 027. THE RECOMMENDATIONS OF **SOIL TEST** REPORT **HAS BEEN** CONSIDERED DURING STRUCTURAL **CALCULATIONS.**

S B Bhattacharyya
BE (Civil)
E.S.E.-1161
S.B. BHATTACHARYYA
E.S.E.-1161
SIGN. OF E.S.E.

DECLARATION OF OWNER(S) :-

i) I/WE DO HEREBY DECLARE WITH FULL **RESPONSIBILITY** THAT I SHALL **ENGAGE** L.B.S. & E.S.E. OWNERS IS AUTHENTICATED **BY ME.**

ii) I/WE SHALL FOLLOW THE INSTRUCTIONS OF L.B.S. **& E.S.E.** DURING **CONSTRUCTION** OF THE BUILDING (AS PER B.S. **PLAN).**

iii) K.M.C. AUTHORITY WILL NOT BE RESPONSIBLE **FOR STRUCTURAL STABILITY** OF THE BUILDING AND ADJOINING **STRUCTURES.**

iv) IF ANY SUBMITTED DOCUMENTS ARE FOUND **TO BE FAKE,** THE **K.M.C.** AUTHORITY WILL REVOKE THE SANCTION **PLAN.**

v) THE CONSTRUCTION OF WATER RESERVOIR **AND SEPTIC** TANK WILL BE UNDERTAKEN UNDER **THE GUIDANCE** OF **L.B.S./E.S.E.** BEFORE STARTING OF BUILDING **FOUNDATION** WORK.

vi) DURING DEPARTMENTAL INSPECTION THE PLOT **WAS** IDENTIFIED BY **MYSELF.**

Pratik kr. Poddar
PRATIK KUMAR PODDAR
SIGN. OF OWNER

DECLARATION OF L.B.S. :-

CERTIFIED WITH FULL RESPONSIBILITY THAT THE **BUILDING** PLAN HAS **BEEN** DRAWN UP AS PER PROVISION OF K.M.C. **BUILDING** RULE 2009 AS **AMENDED** FROM TIME TO TIME AND THAT THE SITE **CONDITION INCLUDING** THE ABUTTING 6.096 WIDE COMMON **PASSAGE** ON **NORTHERN** SIDE OF THE PREMISES CONFORM **WITH THE** PLAN,WHICH **HAS BEEN** MEASURED AND VERIFIED BY ME. IT IS **NOT A** TANK OR **FILLED UP** TANK. THE PLOT IS BEYOND 500M. FROM **C/L** OF E.M. BYE **PASS.** THE CONSTRUCTION OF U.G. WATER TANK **AND** SEPTIC TANK **WILL BE** COMPLETED BEFORE STARTING OF BUILDING **FOUNDATION WORK.** THE LAND IS DEMARCATED BY BOUNDARY **WALL.** SIGNATURE **OF THE** OWNERS IS AUTHENTICATED BY ME.

AHEMMAD ALI MOLLA
L.B.S. (K.M.C.) CL-4, No.- 1385

AHEMMAD ALI MOLLA
L.B.S.-1385/1
SIGN. OF L.B.S.