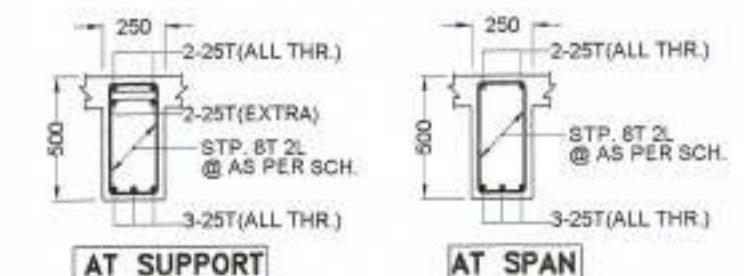


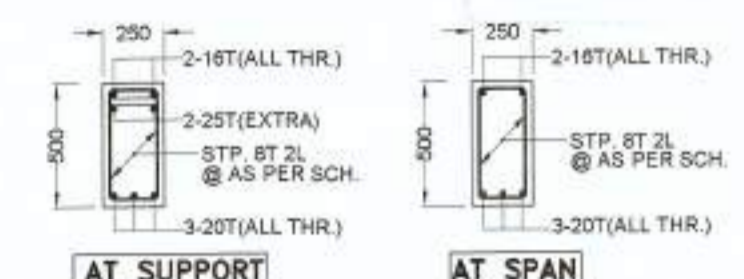
TYP. SECTION & REINF. DETAIL OF FLOOR & ROOF BEAM  
SCALE 1:30



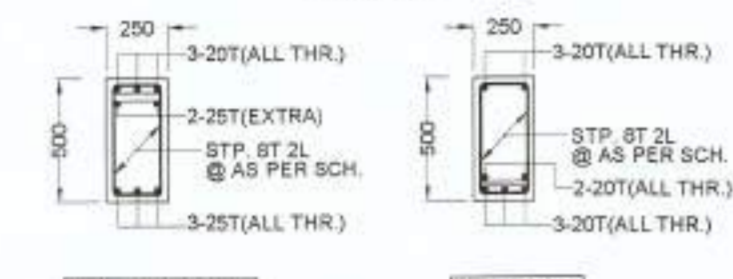
DETAILS OF BEAM MKD. B1(250x500)  
SCALE 1:30



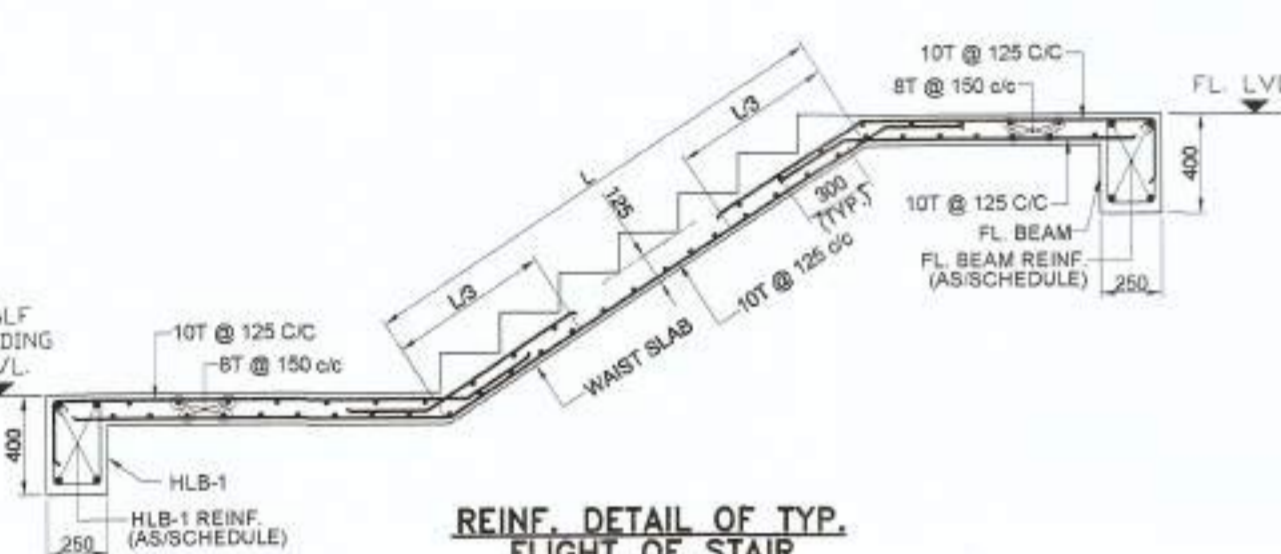
DETAILS OF BEAM MKD. B2(250x500)  
SCALE 1:30



DETAILS OF TIE BEAM MKD. TB4(250x500)  
SCALE 1:30

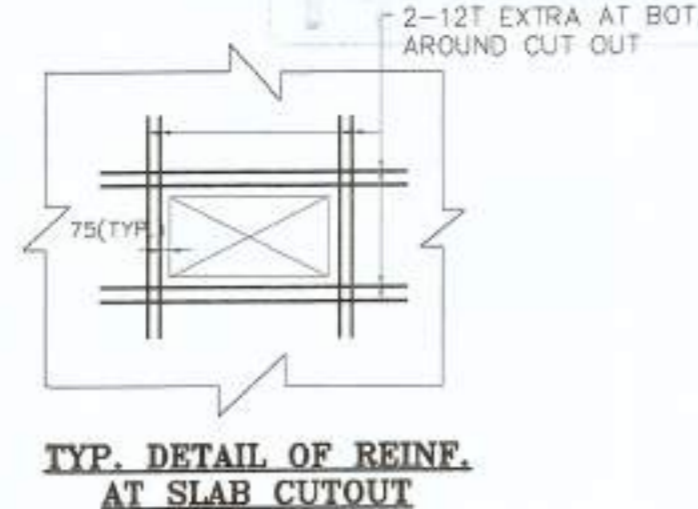


DETAILS OF TIE BEAM MKD. TB5(250x500)  
SCALE 1:30



REINF. DETAIL OF TYP. FLIGHT OF STAIR  
SCALE 1:30

TRADES & RISERS ARE AS PER SANCTIONED ARCH. DWG.



TYP. DETAIL OF REINF. AT SLAB CUTOUT

NOTE:-  
SLAB CUTOUTS AT ALL FLOOR LEVELS ARE AS PER ARCHITECTURAL DWG.

SCHEDULE OF COLUMN

LEVEL	C1, C2, C3, C4	C6, C7, C8	C9, C15, C18	C10, C11, C12, C13, C14, C16, C17	C5
ROOF & ABOVE ROOF	750	750	750	900	600
5TH. FL.	12-20 T 250x750	4-16 T+8-25 T 250x750	12-25 T 250x750	20-20 T 250x900	4-20 T+4-25 T 300x600
5TH. FL.	750	750	750	900	600
4TH. FL.	4-25 T+8-20 T 250x750	12-25 T 250x750	4-32 T+8-25 T 250x750	20-20 T 250x900	8-25 T 300x600
4TH. FL.	750	750	750	900	600
2nd. FL.	6-25 T+8-20 T 250x750	12-25 T 250x750	4-25 T+8-32 T 250x750	20-25 T 250x900	4-25 T+4-32 T 300x600
2nd. FL.	750	750	750	900	600
FND.	6-25 T+8-20 T 250x750	4-25 T+8-32 T 250x750	4-25 T+8-32 T 250x750	20-25 T 250x900	4-25 T+4-32 T 300x600
LINKS	AS SPECIFIED.				

SCHEDULE OF FLOOR AND ROOF SLAB

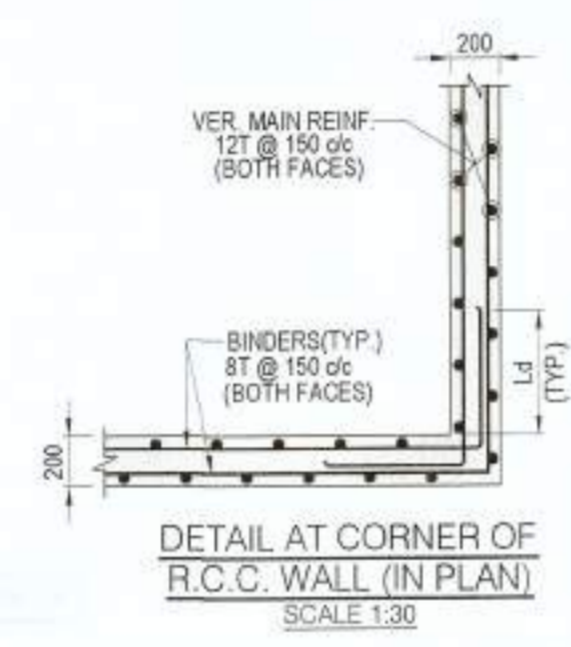
PANEL MARKED	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
S1(125 TK.)	8 TOR @100 C/C(Top) 8 TOR @125 C/C(Bott.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)
S2(115 TK.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)
S3(150 TK.)	8 TOR @100 C/C(Top) 8 TOR @125 C/C(Bott.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)

BEAM SCHEDULE  
GRADE OF CONCRETE - M30

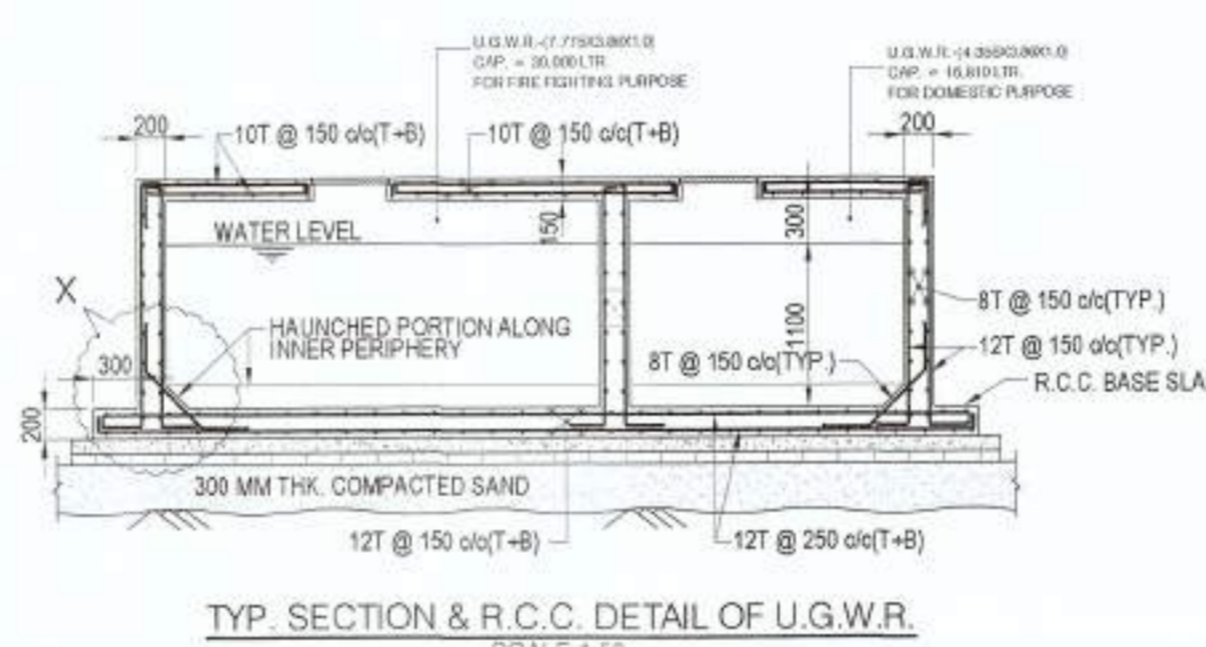
BEAM MKD.	BEAM SIZE	REINFT. AT SUPPT.		REINFT. AT SPAN		STIRRUPS	
		WIDE	DEPTH	TOP	BOTTOM	SUPPORT	SPAN
B1	250	500	4-25 T	3-25 T	2-25 T	3-25 T	8 T @100 C/C 8 T @200 C/C
B2	250	500	3-20 T	2-20 T	2-20 T	3-20 T	8 T @100 C/C 8 T @200 C/C
B3	250	500	5-25 T	3-25 T	2-25 T	5-25 T	8 T @100 C/C 8 T @200 C/C
B4	250	500	2-16 T	3-20 T	2-16 T	3-20 T	8 T @100 C/C 8 T @200 C/C
B5	250	500	3-20 T	3-25 T	3-20 T	5-25 T	8 T @100 C/C 8 T @200 C/C

TIE BEAM SCHEDULE  
GRADE OF CONCRETE - M30

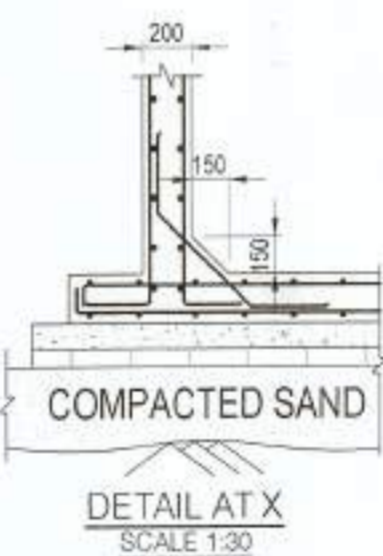
BEAM MKD.	BEAM SIZE	REINFT. AT SUPPT.		REINFT. AT SPAN		STIRRUPS	
		WIDE	DEPTH	TOP	BOTTOM	SUPPORT	SPAN
TB1	250	500	4-25 T	3-25 T	2-25 T	3-25 T	8 T @100 C/C 8 T @200 C/C
TB2	250	500	3-20 T	2-20 T	2-20 T	3-20 T	8 T @100 C/C 8 T @200 C/C
TB3	250	500	5-25 T	3-25 T	2-25 T	5-25 T	8 T @100 C/C 8 T @200 C/C
TB4	250	500	2-16 T	3-20 T	2-16 T	3-20 T	8 T @100 C/C 8 T @200 C/C
TB5	250	500	3-20 T	3-25 T	3-20 T	5-25 T	8 T @100 C/C 8 T @200 C/C



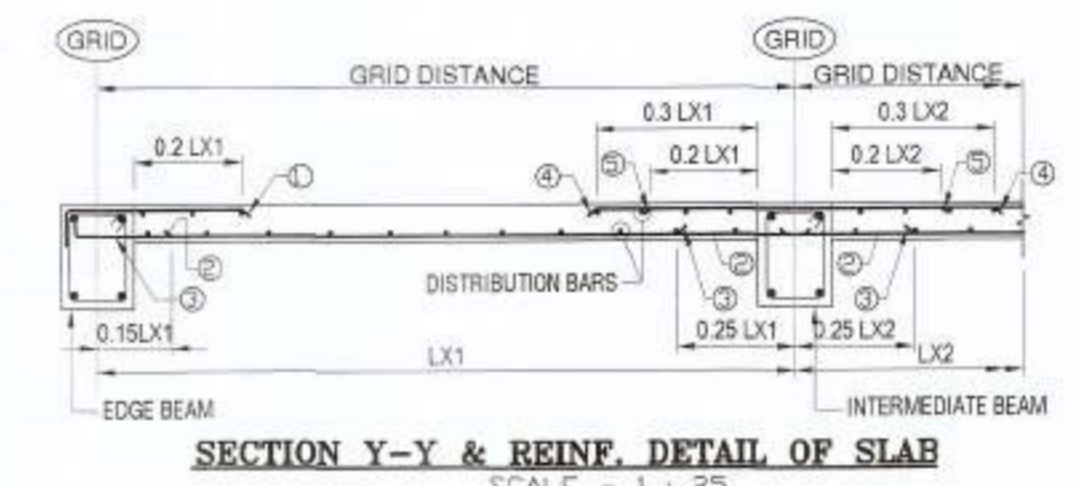
DETAIL AT CORNER OF R.C.C. WALL (IN PLAN)  
SCALE 1:30



TYP. SECTION & R.C.C. DETAIL OF U.G.W.R.  
SCALE 1:50

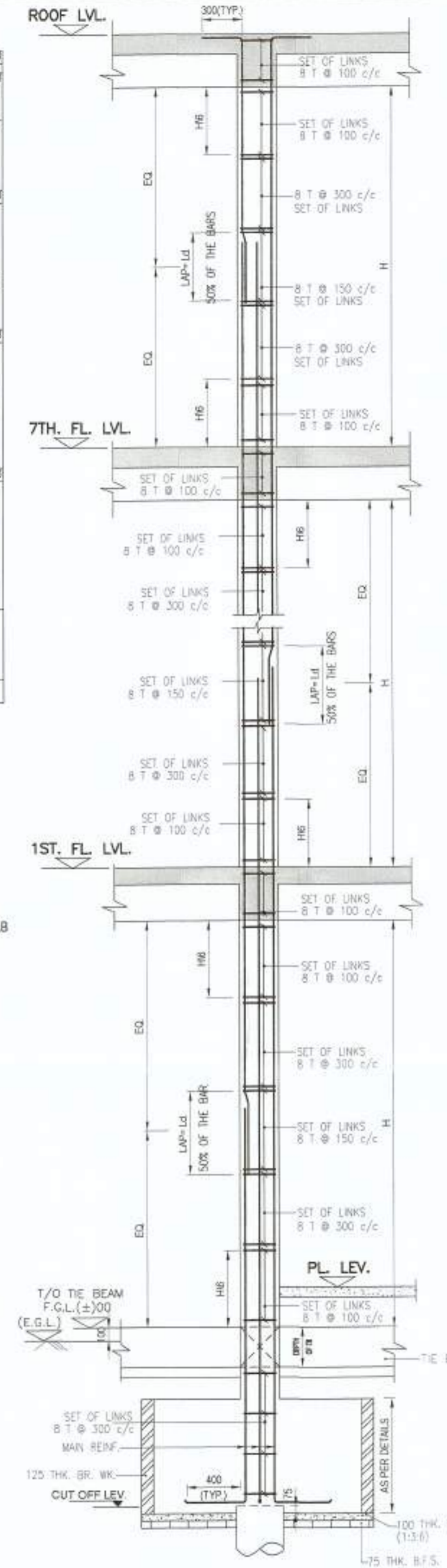


DETAIL AT X  
SCALE 1:30

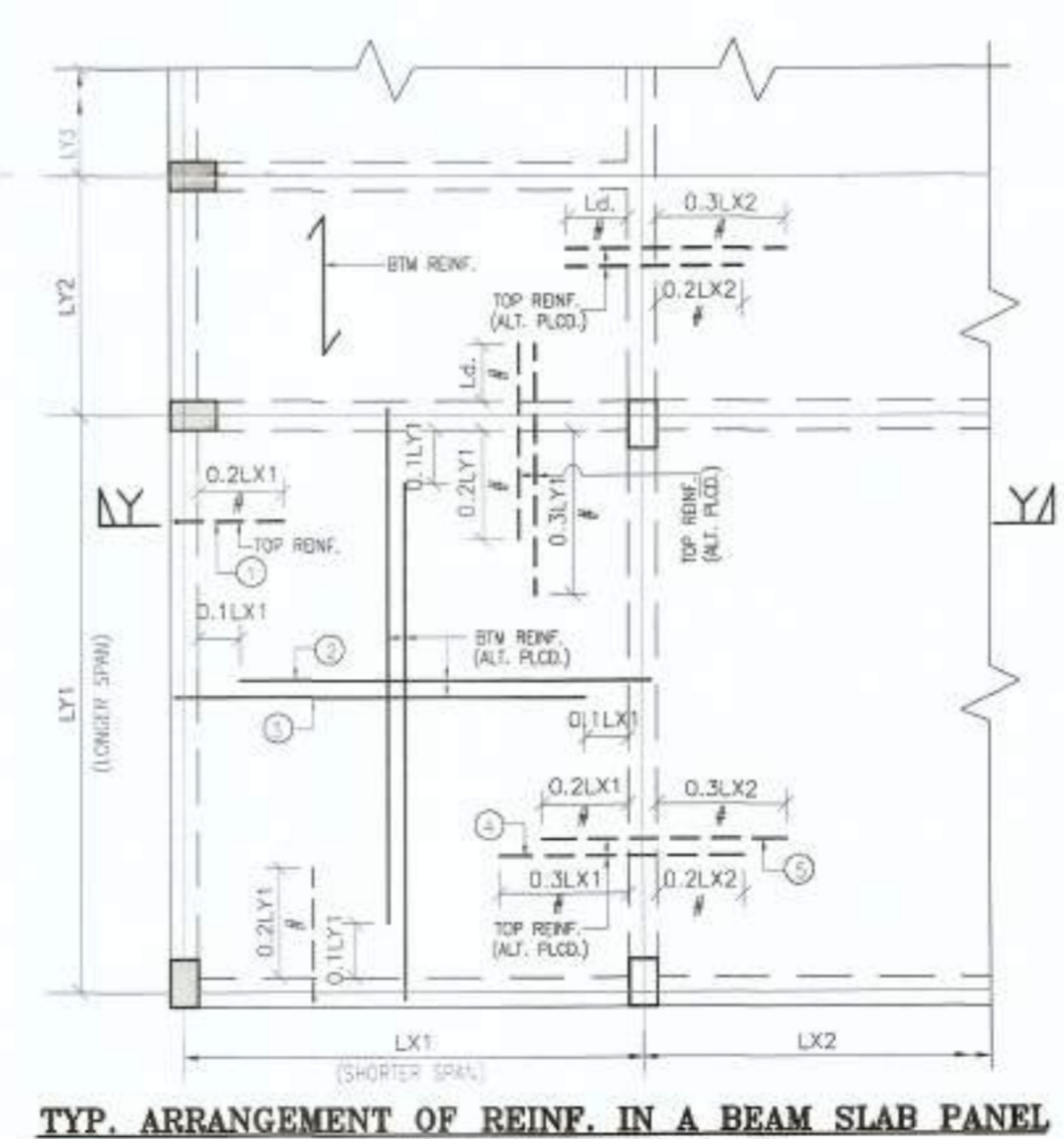


SECTION Y-Y & REINF. DETAIL OF SLAB  
SCALE - 1 : 25

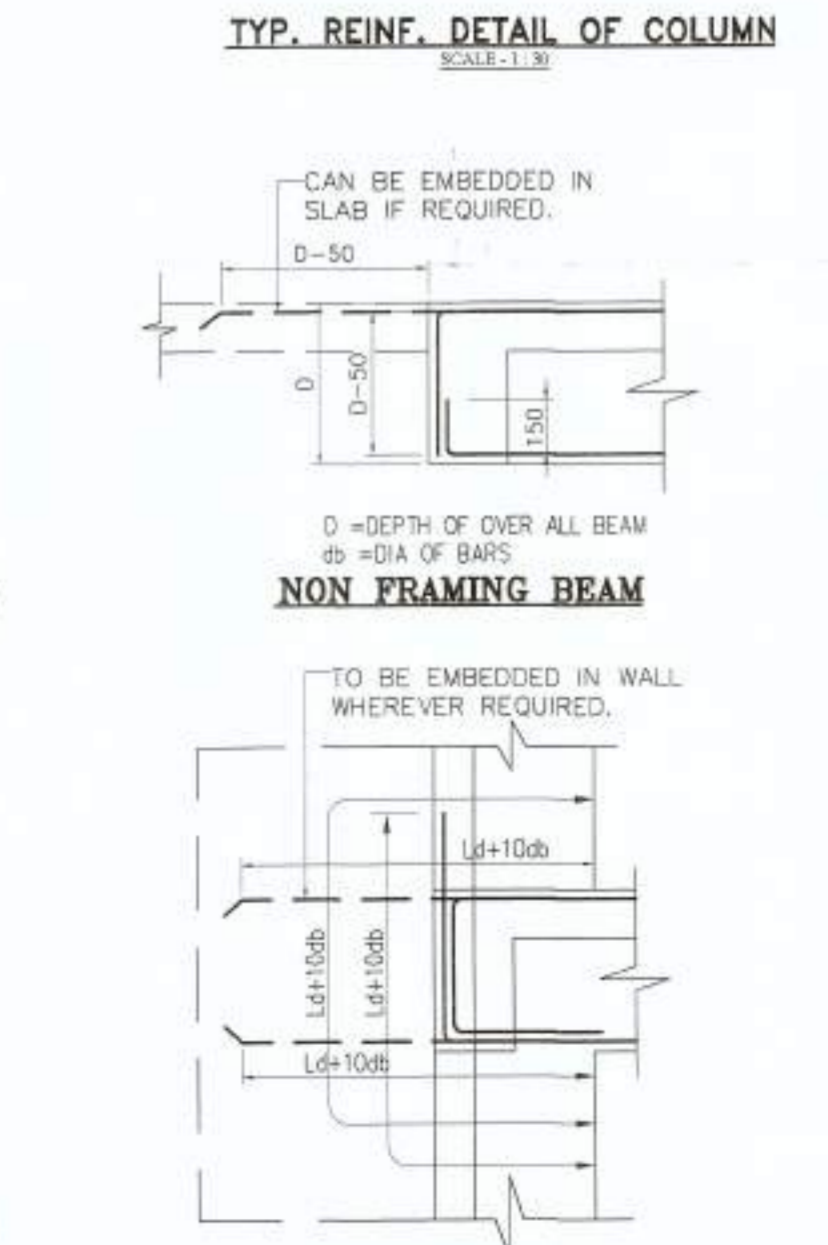
- NOTE:-
- PROVIDE SLAB REINF. AS PER SCHEDULE
  - PROVIDE ADEQUATE CHAIR BARS TO KEEP TOP REINF. IN POSITION
  - PROVIDE 10 T @ 200 c/c (T) AT ALL DISCONTINUOUS EDGES BOTH-WAYS



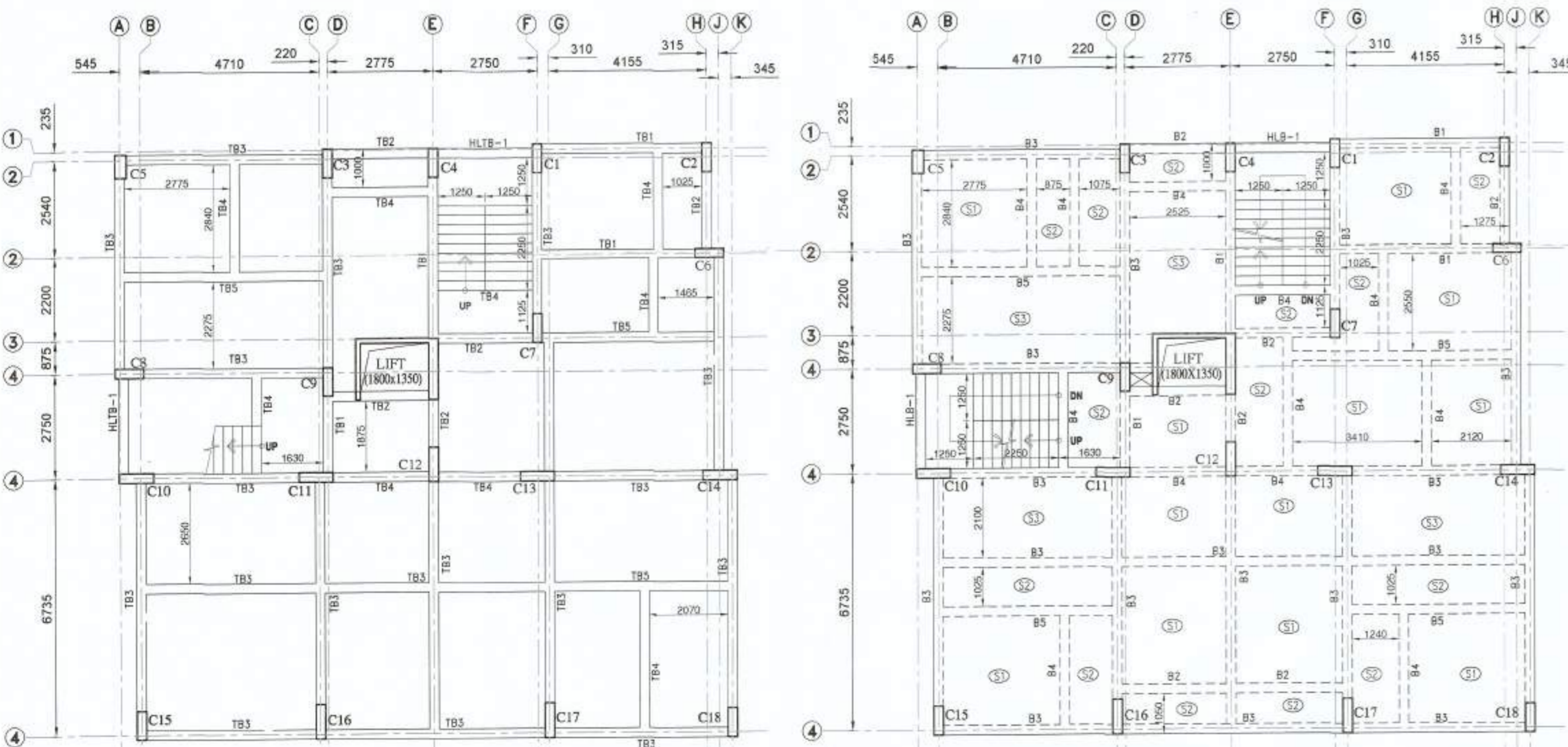
TYP. REINF. DETAIL OF COLUMN  
SCALE 1:30



TYP. ARRANGEMENT OF REINF. IN A BEAM SLAB PANEL  
IF OR 50% DIA WHEREVER IS GREATER



TYP. DET. OF END CONNECTION OF BEAM  
FIG-1



TYP. (1ST. TO 6TH.) FLOOR BEAM LAYOUT  
SCALE 1:100

TYP. (1ST. TO 7TH.) FLOOR BEAM LAYOUT  
SCALE 1:100

STATEMENT OF THE PLAN PROPOSAL  
PART-A.1. ADDRESS NO. - 11-13-40-007-0  
2. DETAILS OF BEH. BEH. :-  
3. BOOK NO. - 10000112 4) YEAR - 2018  
4. BOOK NO. - 10000112 4) YEAR - 2018  
5. AREA OF LAND : 771.12 SQ.M (10 X. 12 CH. 25.6 FT)  
6. NO. OF STORY : 8

- NOTES:
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE CONTRACT TERMS AND CONDITIONS, SPECIFICATIONS & SCHEDULES OF ITEMS.
  - ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS NOTED OTHERWISE.
  - DRAWINGS SHALL NOT BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
  - ALL CONCRETE WORK SHALL BE AS PER IS:456 WITH MINIMUM CEMENT CONTENT AND WATER-CEMENT RATIO AS INDICATED IN THE IS CODES.
  - ALL DETAILING WORK SHALL BE AS PER IS:13920-1993(DUCTILE DETAILING OF REINFORCED STRUCTURES SUBJECTED TO SEISMIC FORCES).
  - ALL STRUCTURAL REINFORCED CONCRETE WORK SHALL BE WITH DESIGN MIX CONCRETE OF GRADE M30.
  - UNLESS OTHERWISE SPECIFIED THE MINIMUM CLEAR COVER FOR PROTECTION OF MAIN REINFORCEMENT SHALL BE AS FOLLOWS:

MEMBERS	COVER	MEMBERS	COVER
BEAMS	: 25MM	STAIR CASE	: 20MM
GRADE SLAB	: 20MM	RET.WALL	NEAR WATER FACE : 40MM AWAY FROM WATER FACE : 25MM
COLUMNS	: 40MM	WATER TANK	NEAR WATER FACE : 40MM AWAY FROM WATER FACE : 25MM
BEAMS	: 25MM		
SLABS	: 20MM		
FLAT SLABS	: 20MM		

- GRADE OF STEEL SHALL BE Fe 500
  - SIZES OF COARSE AGGREGATES IN CONCRETE SHALL BE AS FOLLOWS:  
a) THIN SECTIONS, PRECAST PLANKS : 12 MM. AND DOWN  
b) ORDINARY PLAIN CONCRETE AND : 40 MM. DOWN REINFORCED CONCRETE IN PILES  
c) REINFORCED CONCRETE IN SUPER STRUCTURE: 20 MM DOWN.
- SPECIAL NOTES REGARDING Ld (DEVELOPMENT LENGTH)
- ALL LAP LENGTHS SHALL BE MULTIPLES OF BAR SIZE (AS FOLLOWS:-
- | FOR Fe500      | MAX. 20 | MAX. 25 | MAX. 30 |
|----------------|---------|---------|---------|
| IN TENSION     | 57d     | 49d     | 46d     |
| IN COMPRESSION | 46d     | 39d     | 37d     |
- (WHERE 'd' IS THE NOMINAL DIAMETER OF THE BAR)

JOB NO.	DRG. NO.	DATE	DEALT

DECLARATION OF ARCHITECT

CERTIFIED THAT THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES 2009, AS AMENDED FROM TIME TO TIME AND THE SITE CONDITION INCLUDING THE ABUTTING ROAD IS CONFORM WITH THE PLAN. IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK. THERE IS AN EX. STRUCT. TO BE DEMOLISHED BEFORE COMMENCEMENT OF WORK IT IS FULLY OCCUPIED BY THE OWNER. THERE IS NO T E N E N T

*Sanjay Sarkar*  
SANJOY SARKAR  
M. Arch, Registered Architect  
Regd. No.-CA/89/12284  
SANJOY SARKAR  
(CA/89/12284)  
SIG. OF ARCHITECT

CERTIFICATE OF GEO TECHNICAL ENGINEER

UNDERSIGNED HAS INSPECTED THE SITE AND - *S.K. Chakraborty*  
CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE *SANTOSH KUMAR CHAKRABORTY* SITE IS ABLE TO CARRY THE LOAD COMING *M.E. (Soil Reconn)* FROM THE PROPOSED CONSTRUCTION AND THE *Foundation Engineering* FOUNDATION SYSTEM PROPOSED HEREIN IS *I.G.S. I.S.M.F.F. (London)* SAFE & STABLE IN ALL RESPECT FROM *Geotechnical Engineering* GEO-TECHNICAL POINT OF VIEW.

DR. SANTOSH KUMAR CHAKRABORTY  
(G.T./16)  
SIG. OF GEO TECHNICAL ENGINEER

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C OF INDIA AND BASIS OF SOIL INVESTIGATION REPORT BY STRUCTURAL IMPROVEMENT CO. (DR. SANTOSH KUMAR CHAKRABORTY), 68/1, BAGMARI ROADSWAR CHANDRA NIWAS, FLAT NO. D2/5, KOLKATA - 700054. CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT.

MS. MITA SAHA  
M.I.E., M.E. (Struct.), C.P.  
K.M.C., ESE-92(1),  
10-89, Sec-II, Salt Lake,  
Mob-9831888112  
MITA SAHA  
(ESE/1/92)  
SIG. OF STRUCTURAL ENGINEER

CERTIFICATE OF STRUCTURAL REVIEWER

THE STRUCTURAL DESIGN OF BOTH *Rupak Kumar Banerjee* FOUNDATION & SUPERSTRUCTURE OF THE BUILDING HAVE BEEN CHECKED BY ME *RUPAK KUMAR BANERJEE* CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C. OF INDIA AND ON BASIS OF SOIL INVESTIGATION REPORT BY STRUCTURAL IMPROVEMENT CO. (DR. SANTOSH KUMAR CHAKRABORTY), 68/1, BAGMARI ROADSWAR CHANDRA NIWAS, FLAT NO. D2/5, KOLKATA - 700054. CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT.

RUPAK KUMAR BANERJEE  
(ESR/1/14/2)  
SIG. OF STRUCTURAL REVIEWER

DECLARATION OF OWNERS

I DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT I SHALL ENGAGE L.B.A & ESE DURING CONSTRUCTION. I SHALL FOLLOW THE INSTRUCTION OF L.B.A & E.S.E DURING CONSTRUCTION OF THE BUILDING (AS PER PLAN) K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING. ADJOINING STRUCTURE IF ANY SUBMITTED DOCUMENT ARE FAKE. THE K.M.C AUTHORITY WILL REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF U.G.W.R TAKEN UNDER THE GUIDANCE OF LBS/EBE BEFORE STARTING OF BUILDING FOUNDATION.

*Amar Nath Goyal*  
*Aloke Kumar Goyal*  
*Rana Gauri*  
SIGNATURE OF OWNERS OR C.A.

DRAWING TITLE:-  
FLOOR BEAM LAYOUT, TIE BEAM LAYOUT, COLUMN AND BEAM SCHEDULE & SECTIONAL DETAILS

PROJECT:-  
PROPOSED G+VH STORED RESIDENTIAL BUILDING AT PREMISES NO.- 2/18/1, BIDHAN NAGAR ROAD, KOLKATA - 700 067, WARD NO - 13, BOROUGH - III, P.O.-ULTADANGA, P.S.-ULTADANGA, UNDER KOLKATA MUNICIPAL CORPORATION. UNDER SECTION 393 OF K.M.C. ACT 1980 FOLLOWING K.M.C. BUILDING RULES 2009 AS AMENDED TIME TO TIME.

ARCHITECT -  
INTERARCH  
BA-14, SECTOR-1, SALT LAKE CITY, KOLKATA-700064  
PH. - 933-4093 5088, 933-4093 5079  
FAX - 40935885  
E MAIL- interarch2007@yahoo.com

SCALE - 1:100