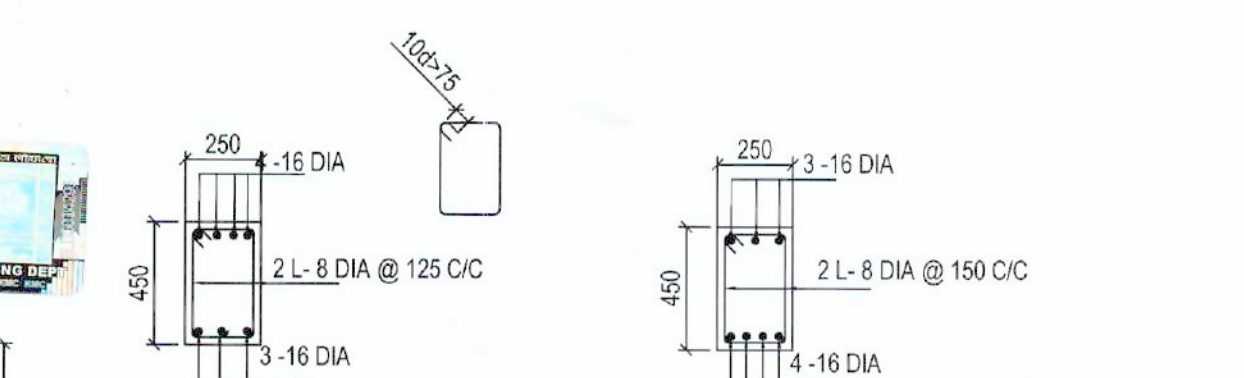
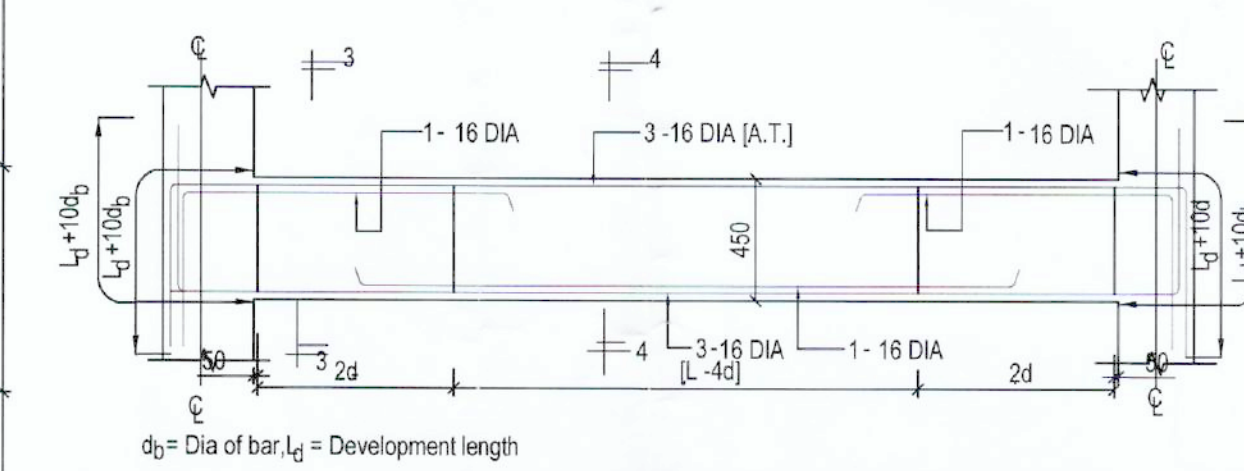


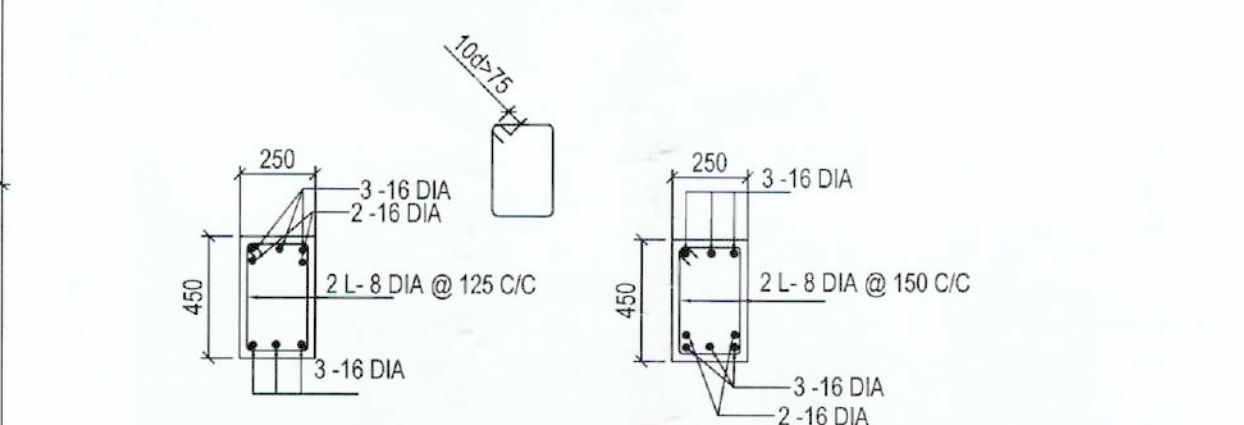
TYPICAL GENERAL ARRANGMENT PLAN
SCALE: 1:100



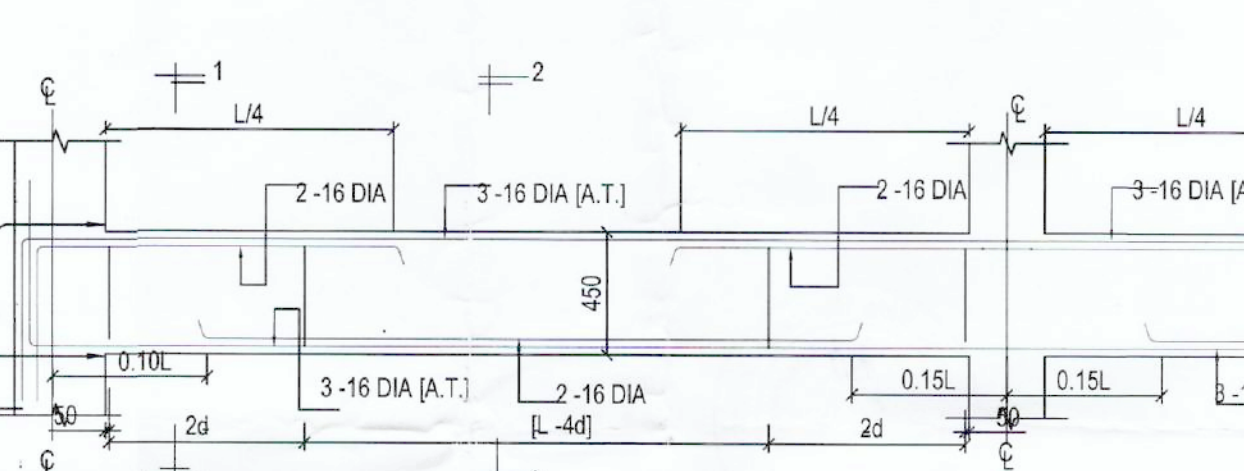
TYPICAL SECTION -3.3 TYPICAL SECTION -4.4



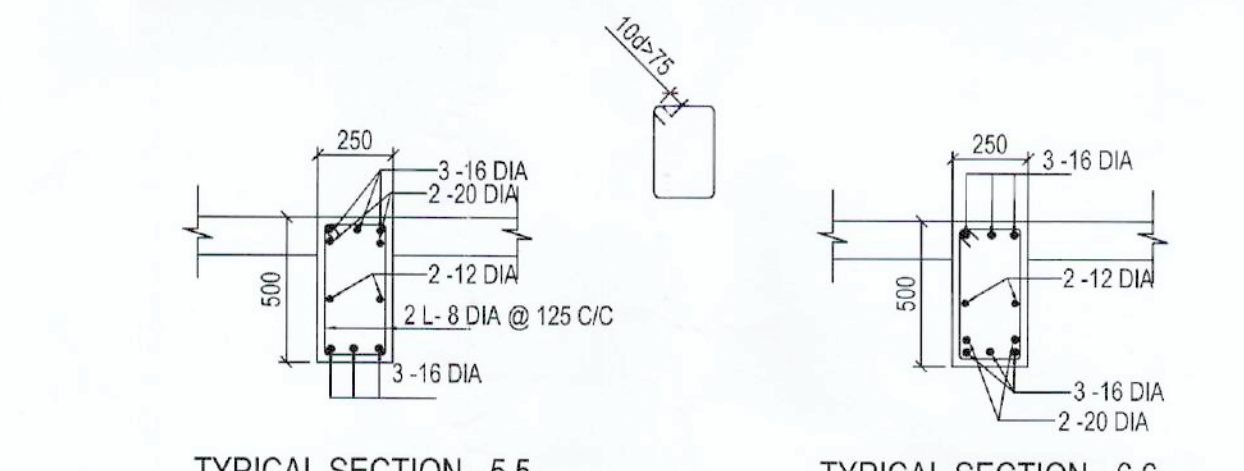
TYPICAL SECTION OF TIE BEAM TBX1
SCALE: 1:25



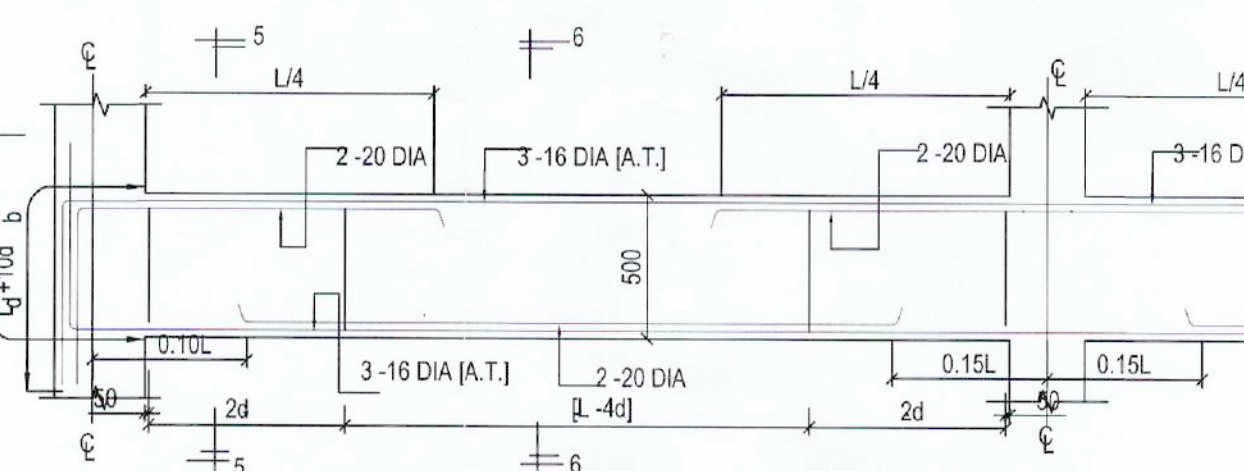
TYPICAL SECTION -1.1 TYPICAL SECTION -2.2



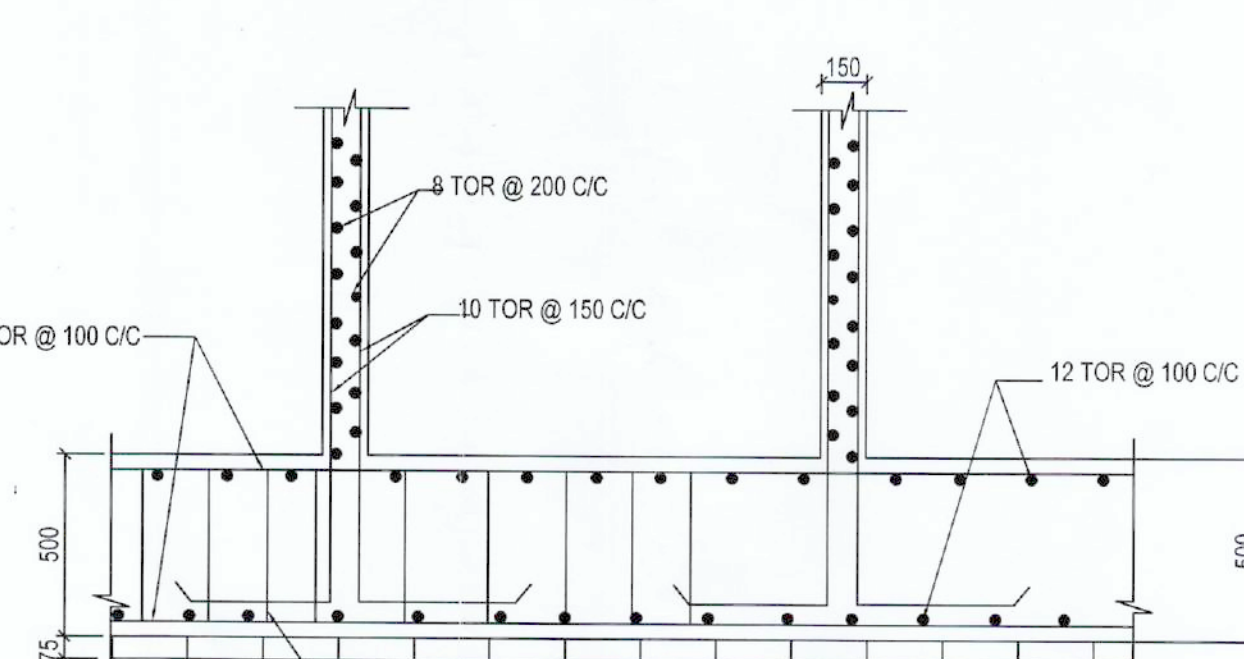
TYPICAL SECTION OF BEAM MKD BY-2



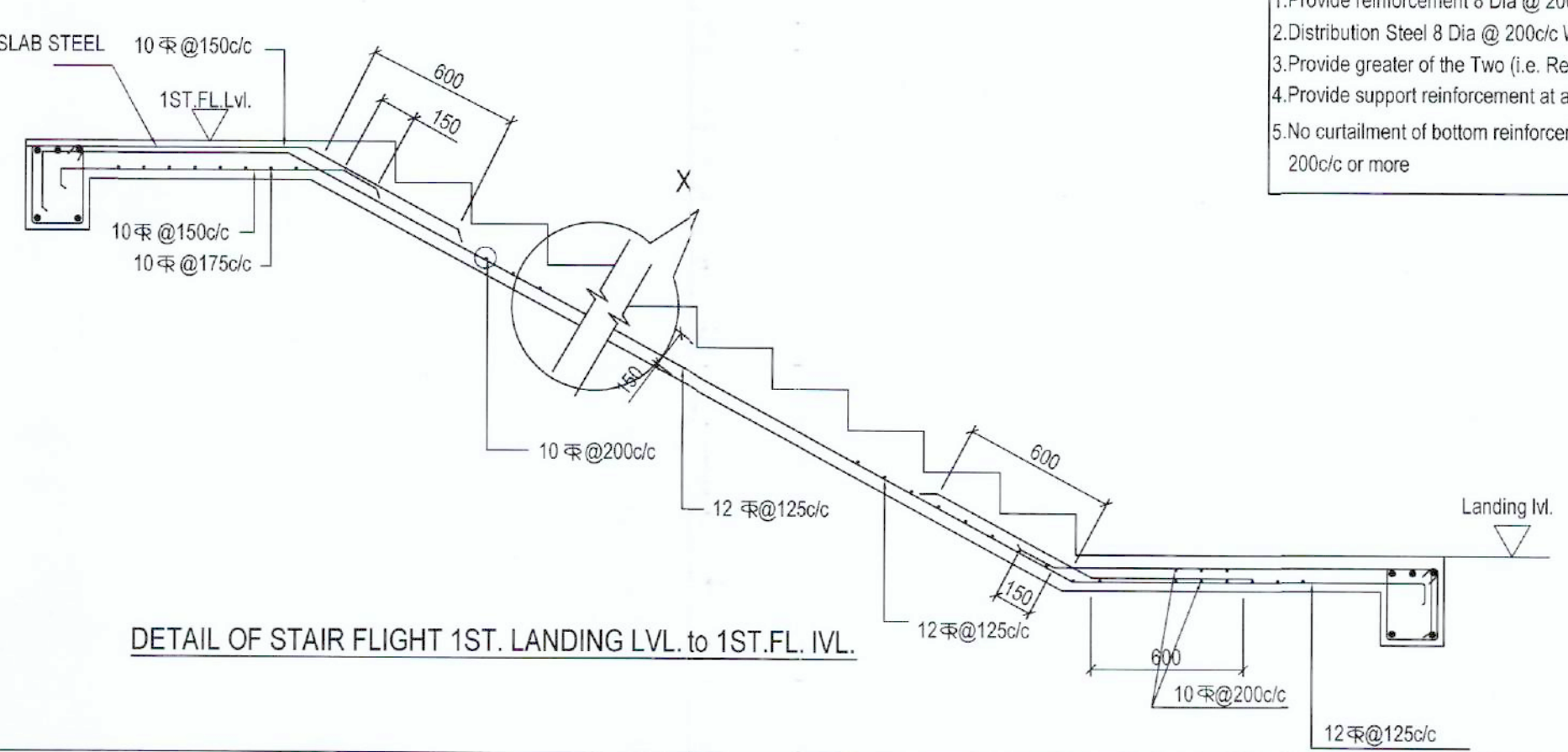
TYPICAL SECTION -5.5 TYPICAL SECTION -6.6



TYPICAL SECTION OF BEAM MKD BY-3



DETAIL OF LIFT WALL & FDN



DETAIL OF STAIR FLIGHT 1ST. LANDING LVL. to 1ST.FL. IVL

COLUMN SCHEDULE				
Column Mkd	C14, C29, C31, C32, C34, C35, C37	C3, C6, C9, C12, C13, C15, C16, C20, C22, C23, C26, C30, C33, C36	C1, C2, C5, C8, C10, C11, C17, C18, C19, C21, C24, C25, C27, C28	C4, C7
Size	250 x 400	250 x 450	250 x 500	300 x 500
Foundation To 2nd Fl. Detail				
2nd Fl. To ROOF Detail				

TYPICAL TIE BEAM SCHEDULE								
Beam Mkd.	Beam Size		Reinf. Alth.		Reinforcement Extra		Vt. Stirrups - 2L	
	B	D	Top	Bottom	Top at Supp.	Bottom Span	Supp.	Span
TBX-1	250	400	3-16	3-16	2-16	2-16	8 @ 125 c/c	8 @ 150 c/c
TBX-2	250	450	3-16	3-16	2-16	2-16	8 @ 100 c/c	8 @ 125 c/c
TBX-3	250	500	3-16	3-16	3-16	3-16	8 @ 100 c/c	8 @ 125 c/c
TBX-4	250	350	3-16	3-16	1-16	1-16	8 @ 125 c/c	8 @ 150 c/c
TBY-1	250	400	3-16	3-16	2-16	2-16	8 @ 125 c/c	8 @ 150 c/c
TBY-2	250	450	3-16	3-16	2-16	2-16	8 @ 100 c/c	8 @ 125 c/c
TBY-3	250	500	3-16	3-16	3-16	3-16	8 @ 100 c/c	8 @ 125 c/c
TBY-4	250	350	3-16	3-16	1-16	1-16	8 @ 125 c/c	8 @ 150 c/c

1. For Supports having Two Different Extra Top Reinf. at Two Sides, the Higher Top Reinf. Shall be Provided distance - 4 x d
2. Stirrups for supports should be extended upto distance of 2 x d [d = Effective depth of beam] from of support & for span should be placed edge to edge

TYPICAL FLOOR BEAM SCHEDULE								
Beam Mkd.	Beam Size		Reinf. Alth.		Reinforcement Extra		Vt. Stirrups - 2L	
	B	D	Top	Bottom	Top at Supp.	Bottom Span	Supp.	Span
BX-1	250	400	3-16	3-16	2-16	2-16	8 @ 125 c/c	8 @ 150 c/c
BX-2	250	450	3-16	3-16	2-16	2-16	8 @ 100 c/c	8 @ 125 c/c
BX-3	250	500	3-16	3-16	2-20	2-20	8 @ 100 c/c	8 @ 125 c/c
BX-4	250	350	3-16	3-16	1-16	1-16	8 @ 125 c/c	8 @ 150 c/c
BY-1	250	400	3-16	3-16	2-16	2-16	8 @ 125 c/c	8 @ 150 c/c
BY-2	250	450	3-16	3-16	2-16	2-16	8 @ 100 c/c	8 @ 125 c/c
BY-3	250	500	3-16	3-16	2-20	2-20	8 @ 100 c/c	8 @ 125 c/c
BY-4	250	350	3-16	3-16	1-16	1-16	8 @ 125 c/c	8 @ 150 c/c

1. For Supports having Two Different Extra Top Reinf. at Two Sides, the Higher Top Reinf. Shall be Provided distance - 4 x d
2. Stirrups for supports should be extended upto distance of 2 x d [d = Effective depth of beam] from of support & for span should be placed edge to edge

- NOTES :
- ALL DIMENSIONS ARE IN MM
 - ALL STRUCTURAL CONCRETE SHALL BE OF GRADE M - 25 CONFORMING TO IS: 456-2000 & REINFORCEMENT DETAIL FOLLOWED AS PER SP 34
 - ALL LEAN CONCRETE SHALL BE GRADE OF (1:4:8)
 - ALL REINFORCEMENT STEEL BARS SHALL CONFORM TO IS: 1786-1985 OF GRADE FE - 500
 - UNLESS NOTED, OTHERWISE LAP/ ANCHOR (Ld) LENGTH SHALL BE 45 TIMES THE DIAMETER OF THE BAR OR CLAUSE 26.2.5.1 OF I.S.456-2000
 - CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
 - AS FOLLOWS:-
- | | TOP | BOTTOM | SIDE |
|--------------------|-----|--------|-------|
| a) COLUMN | - | - | 40 MM |
| b) TIE BEAM | - | 20 MM | 25 MM |
| c) FOUNDATION BEAM | - | - | 50 MM |

Certificate Of Geo-Tech Engineer
The Undersigned Has Inspected The Site and carried out soil investigation thereon. 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 herein is safe and stable in all respects from geo-technical point of view.

Rupak Kumar Banerjee
RUPAK KUMAR BANERJEE
B.E., M.E., M.G.S., M.I.E.,
G.T./13 (K.M.C.), BWGEO-TECH-0002
019/RUP SONI/2014-15, G.T.E./NO/09/0014
E.G.T.E./11/14 (H.M.C.)
GEOWBSIDC201900002
(RUPAK KUMAR BANERJEE, G.T.E.-I/3)
Sig of Geo Tech 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 CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT.

Sanjib Saha
SANJIB SAHA (CIVIL ENGINEER)
ESE-II / NO-539
KOLKATA MUNICIPAL CORPORATION
SIG. OF STRUCTURAL ENGINEER
(SANJIB SAHA, E.S.E.-II/539)

DECLARATION OF LBS
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 ADJUTING ROAD IS CONFORM WITH THE PLAN. IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK. THERE IS AN EX. STRUC. TO BE DEMOLISHED BEFORE COMMENCEMENT OF WORK IT IS PARTLY OCCUPIED BY THE OWNER & TENANT.

Sanjib Saha
SANJIB SAHA (CIVIL ENGINEER)
LBS-I / No. -1046
KOLKATA MUNICIPAL CORPORATION
SIGNATURE OF LBS
(SANJIB SAHA, L.B.S.-I/1046)

DECLARATION OF APPLICANT
I DO HERE BY DECLARE WITH FULL RESPONSIBILITY THAT I SHALL ENGAGE LBS & ESE DURING CONSTRUCTION. I SHALL FOLLOW THE INSTRUCTION OF LBS & ESE DURING CONSTRUCTION OF THE BUILDING (AS PER PLAN). K.M.C. AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJONING STRUCTURE. IF ANY SUBMITTED DOCUMENT ARE FAKE, THE K.M.C. AUTHORITY WILL REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF SLAB/R WILL BE TAKEN UNDER THE GUIDENCE OF LBS/ESE BEFORE STARTING OF BUILDING FOUNDATION.

For EXCELLO PROPERTIES PRIVATE LIMITED
Madan Jha
Director

SIGNATURE OF APPLICANT
(MADAN JHA, DIRECTOR, EXCELLO PROPERTIES PVT. LTD.)



TITLE : SLAB, COLUMN, BEAM, G/A PLAN SHEET NO - 2

PROJECT.
PROPOSED STRUCTURAL PLAN OF (G+ III) STORIED RESIDENTIAL BUILDING AT PREMISES NO.- 63/1B, PREMENDRA MITRA SARANI, KOLKATA - 025, WARD NO.- 73, BOROUGH NO.- IX, U/S 393A OF K.M.C. BUILDING RULE 2009 OF K.M.C. ACT 1980. (HEIGHT OF BLDG.-12.50M.)

JOB NO.	DRG. NO.	DATE	DEALT

S.SAHA & ASSOCIATES
34/3, R.K. ROAD, KHUDIRAM PALLY, KOL - 700 049
CIVIL CONSULTANT & ENGINEERS
PHONE : 033 - 2527 - 2882, MOBILE : 94330 - 92473

FLOOR SLAB REINFORCEMENT SCHEDULE					
Panel Mkd.	Thick (mm)	Bottom Reinforcement		Top Reinforcement over Contin. Suppt.	
		Short Span[2,3]	Long Span[6,7]	Short Span[4,5]	Long Span
S1	125	8 Dia @125 c/c	8 Dia @125 c/c	8 Dia @125 c/c	8 Dia @125 c/c
S2	125	10 Dia @ 150 c/c	10 Dia @150 c/c	10 Dia @150 c/c	10 Dia @150 c/c

- Provide reinforcement 8 Dia @ 200 c/c [1] at discontinuous Support at Top.
- Distribution Steel 8 Dia @ 200c/c Where ever Reqd.
- Provide greater of the Two (i.e. Reinforcement lesser spacing) unless specified
- Provide support reinforcement at distance 0.02L / 0.30L from the face of support
- No curtailment of bottom reinforcement shall be done for bars having spacing >200c/c or more