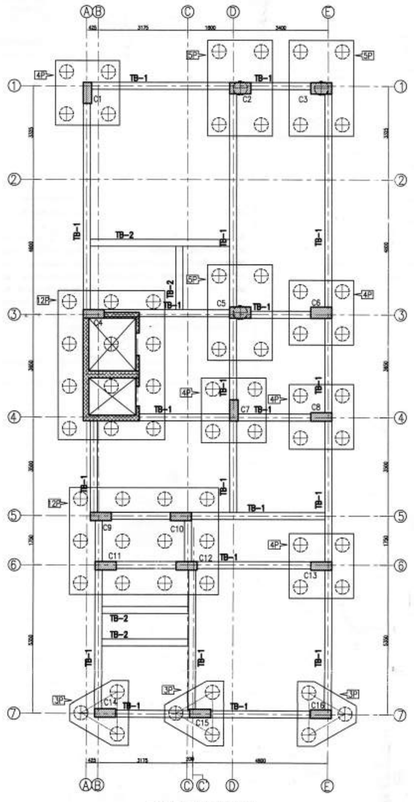
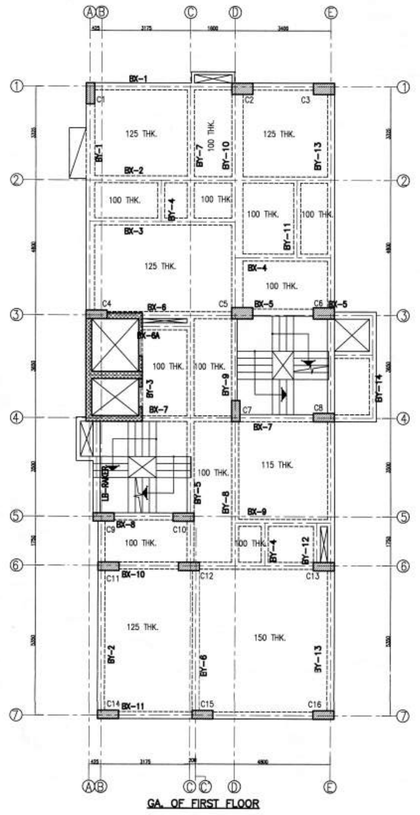
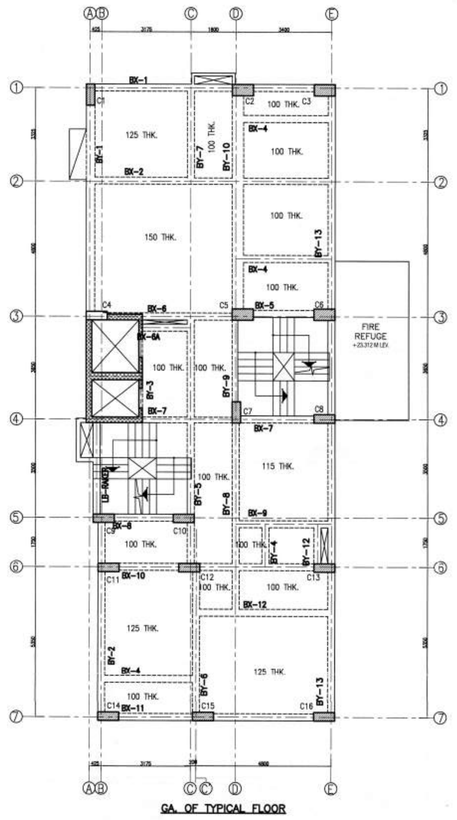


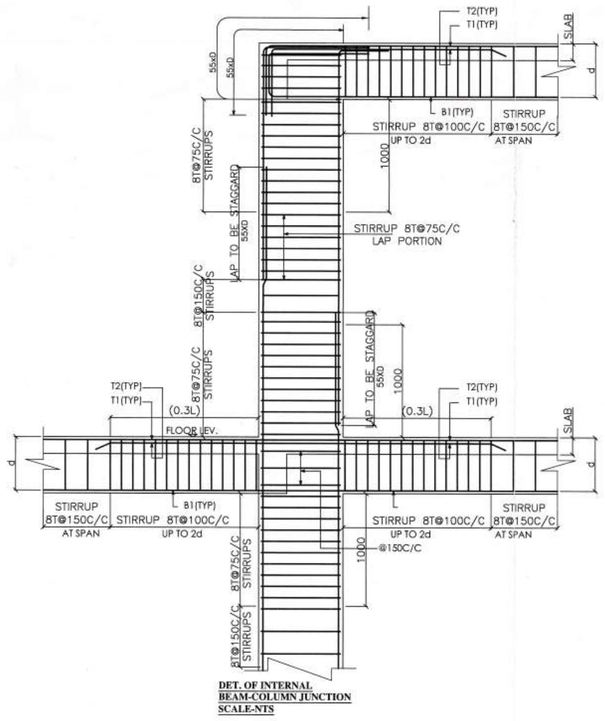
FOUNDATION LAYOUT



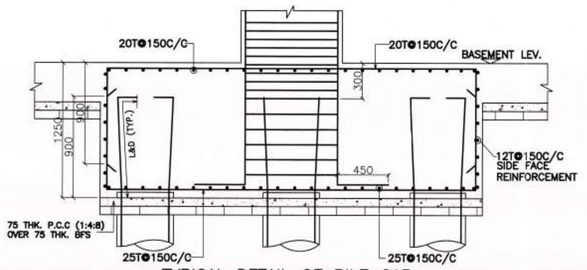
GA OF FIRST FLOOR



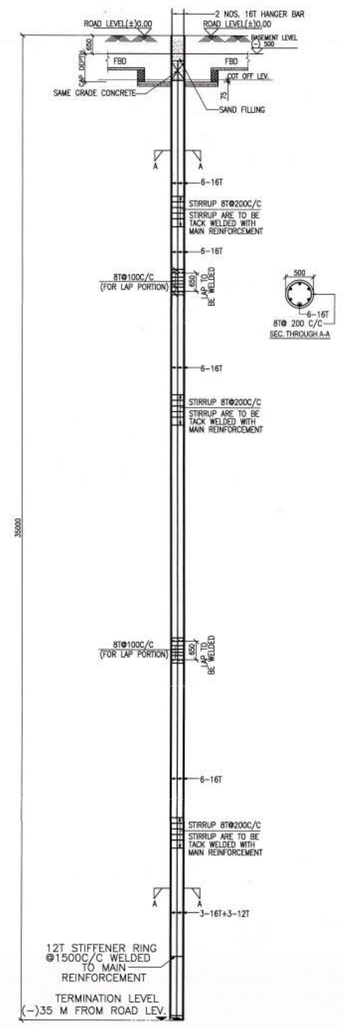
GA OF TYPICAL FLOOR



DET. OF INTERNAL BEAM-COLUMN JUNCTION SCALE-NTS



TYPICAL DETAIL OF PILE CAP



DETAILS OF 500Ø VERTICAL CAST IN SITU BORED PILE (P) (D.M.C.) CAPACITY-75T SLUMP (150-180)CONC.GRADE M25 ,WITH MIN. CEMENT CONTENT 400 Kg/m³

BEAM SCHEDULE FOR FIRST & TYPICAL FLOOR

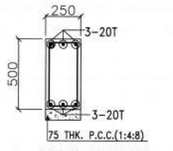
BEAM MKD.	BEAM SIZE	SUPPORT REINFORCEMENT			SPAN REINFORCEMENT		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
TBX-1	250X500	3-25T+ 3-20T	3-25T	8T@115C/C	3-25T	3-25T+ 3-20T	8T@200C/C
TBX-2	250X500	3-25T+ 3-16T	3-25T	8T@115C/C	3-25T	3-25T+ 3-16T	8T@200C/C
TBX-3	250X500	2-20T	3-25T	8T@150C/C	2-20T	3-25T+ 3-16T	8T@200C/C
TBX-4,9	250X400	2-16T	3-20T	8T@115C/C	2-16T	3-20T	8T@200C/C
TBX-5	250X600	3-25T+ 3-20T	3-25T	8T@115C/C	3-25T	3-25T+ 3-20T	8T@200C/C
TBX-6	250X600	3-25T+ 3-20T	3-25T	8T@115C/C	3-25T	3-25T+ +3-16T	8T@200C/C
TBX-7	250X500	3-25T+ 3-20T	3-25T	8T@115C/C	3-25T	3-25T+ 3-20T	8T@200C/C
TBX-8	250X500	3-25T+ 3-16T	3-25T	8T@115C/C	3-25T	3-25T	8T@200C/C
TBX-10,11	250X600	3-25T+ 3-20T	3-25T	8T@115C/C	3-25T	3-25T+ 3-20T	8T@200C/C
TBY-1	300X600	3-25T+ 3-20T	3-25T	8T@115C/C	3-25T	3-25T +3-20T	8T@200C/C
TBY-2	250X500	3-25T+ 3-20T	3-25T	8T@115C/C	3-25T	3-25T +3-16T	8T@200C/C
TBY-3	125X400	2-16T	2-16T	8T@115C/C	2-16T	2-16T	8T@200C/C
TBY-4	250X400	2-16T	3-16T	8T@115C/C	2-16T	3-16T	8T@200C/C
TBY-5	250X500	3-25T+ 3-16T	3-25T	8T@115C/C	3-25T	3-25T	8T@200C/C
TBY-6	250X500	3-25T+ 3-20T	3-25T	8T@115C/C	3-25T	3-25T +3-16T	8T@200C/C
TBY-7	250X500	3-25T+ 3-16T	3-25T	8T@115C/C	3-25T	3-25T	8T@200C/C
TBY-8	250X500	3-25T+ 3-16T	3-25T	8T@115C/C	3-25T	3-25T+ 3-16T	8T@200C/C
TBY-9	200X500	3-25T+ 3-16T	3-25T	8T@115C/C	3-25T	3-25T	8T@200C/C
TBY-10	400X600	4-25T+ 4-25T	4-25T	10T@115C/C(4L)	4-25T	4-25T+ 4-20T	10T@115C/C(4L)
TBY-11	250X400	2-16T	3-20T	8T@115C/C	2-16T	3-20T	8T@200C/C
TBY-12	250X400	3-20T	3-20T	8T@115C/C	3-20T	3-20T	8T@200C/C
TBY-13	300X600	3-25T+ 3-20T	3-25T	8T@115C/C	3-25T	3-25T+ 3-20T	8T@200C/C

COLUMN SCHEDULE

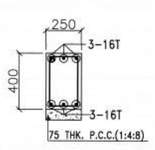
COLUMN MKD.	COL. SIZE	BASEMENT TO FIRST FLOOR	FIRST FLOOR TO 3RD. FLOOR	3RD. FLOOR TO 5TH. FLOOR	5TH. FLOOR TO 7TH. FLOOR	7TH. FLOOR TO 9TH. FLOOR	9TH. FLOOR TO ROOF.
C1,C4,C7, C16	300X750	12-25T	12-25T	12-25T	4-25T+8-20T	12-20T	12-20T
C2,C3,C5	400X750	8-25T+8-20T	8-25T+8-20T	8-25T+8-20T	4-25T+12-20T	4-25T+12-20T	16-20T
C6	400X750	16-25T	16-25T	16-25T	8-25T+8-20T	8-25T+8-20T	4-25T+12-20T
C9,C10, C14	300X750	8-25T+4-20T	8-25T+4-20T	8-25T+4-20T	4-25T+8-20T	4-25T+8-20T	12-20T
C12,C13	300X750	16-25T	16-25T	16-25T	8-25T+8-20T	8-25T+8-20T	4-25T+12-20T
C8,C15	300X750	8-25T+8-20T	8-25T+8-20T	8-25T+8-20T	4-25T+12-20T	4-25T+12-20T	16-20T
STIRRUP-8T							
CONC. GRADE-M30							

SLAB SCHEDULE

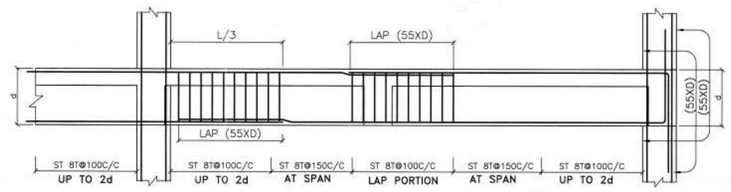
SLAB THK.	SHORT SPAN		LONG SPAN	
	SUPPORT TOP	MID SPAN BOTTOM	SUPPORT TOP	MID SPAN BOTTOM
150	10Ø @150C/C	10Ø @200C/C	10Ø @150C/C	10Ø @150C/C
125	8Ø @150C/C	8Ø @150C/C	8Ø @150C/C	8Ø @150C/C
115	8Ø @150C/C	8Ø @200C/C	8Ø @150C/C	8Ø @150C/C
100	8Ø @150C/C	8Ø @200C/C	8Ø @150C/C	8Ø @150C/C



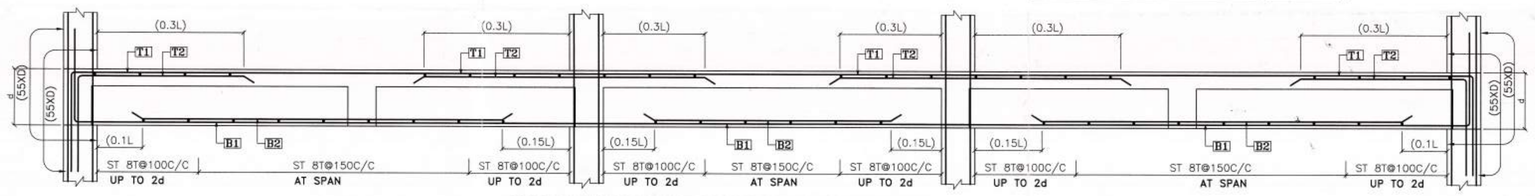
R.C.DETAIL OF TB-1 (250x500)



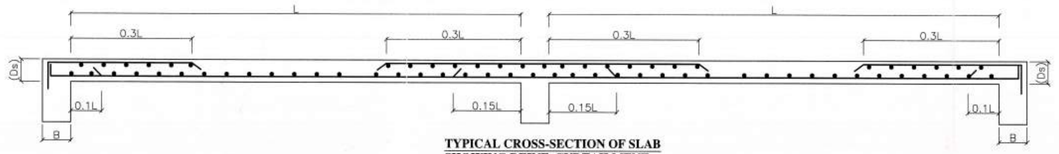
R.C.DETAIL OF TB-2 (250x400)



TYPICAL DETAIL OF SPLICE JOINT (SCALE-NTS)



TYPICAL REINFORCEMENT ARRANGEMENT OF CONTINUOUS BEAM (SCALE-NTS)



TYPICAL CROSS-SECTION OF SLAB SHOWING REINF. CURTAILMENT (SCALE-NTS)

PROJECT

PROPOSED G+11 STORIED RESIDENTIAL BUILDING AT PREMISES NO.- 24, DEODAR STREET. KOLKATA -700 019. WARD NO - 069 BOROUGH NO - VIII

TITLE

FOUNDATION LAYOUT & DETAIL, GA. OF FIRST FLOOR & TYPICAL FLOOR, FLOOR BEAM , COLUMN & SLAB SCHEDULE, TYPICAL DETAIL OF PILE CAP & TIE BEAM

N

1. ALL DIMENSIONS ARE IN MM EXCEPT NOTED.
2. GRADE OF CONCRETE M30
3. GRADE OF STEEL Fe500

DECLARATION 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 GEOTEST ENGINEERS PVT. LTD. (MR. ALOK ROY) 6A, MILAN PARK, KOLKATA-700084, CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT.

BIBEK BIKASH MULLICK
E.S.E. - 1/75
KOLKATA MUNICIPAL CORPORATION
BIBEK BIKASH MULLICK
B.E. (CIVIL), M.C. (STRUCTURE)
E.S.E. -1/75 (K. M. C)
SIGNATURE OF STRUCTURAL ENGINEERS

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 STRUC. TO BE DEMOLISHED BEFORE COMMENCEMENT OF WORK IT IS FULLY OCCUPIED BY THE OWNER. THERE IS NO TENANT.

DEBATOSH SAHU
Architect ● Urban Designer
M.ARCH, FIA, FIUDI, AIID,
Regn. No. CA/89/12368
DEBATOSH SAHU
Regn. No. CA/89/12368
35A, Dr. Sarat Banerjee Road, Kolkata-700 029
SIGNATURE OF ARCHITECT

DECLARATION OF OWNER.

I DO HERE BY DECLARE WITH FULL RESPONSIBILITY THAT, I SHALL ENGAGE L.B.A & E.S.E 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 & SEPTIC TANK TAKEN UNDER THE GUIDANCE OF LBS/EBE BEFORE STARTING OF BUILDING FOUNDATION.

For GAUTAM CONSTRUCTION CO. PVT. LTD.
Director
ARUN SHARMA (Director)
For Gautam Construction CO.PVT.LTD.
SIGNATURE OF OWNER

SUBHANKAR ROY
Empanelled Geotechnical Engineer
Kolkata Municipal Corporation
E.G.T. No.-5, Class-I

DESIGNED–BBM	REF.
CHECKED–BBM	SCALE : 1:100,1:25
DEALT – P.P	DATE : 12.04.2018
DRG. NO–PMC/SAN/ST/24, DEODAR STREET/01	

STRUCTURAL CONSULTANT
P M CONSULTANT
35A, DR. SARAT BANERJEE ROAD, KOL.–29
PHONE– 9830461784,
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