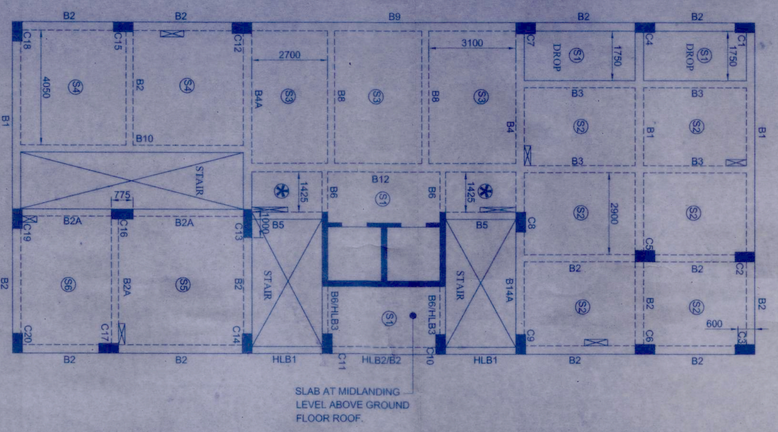
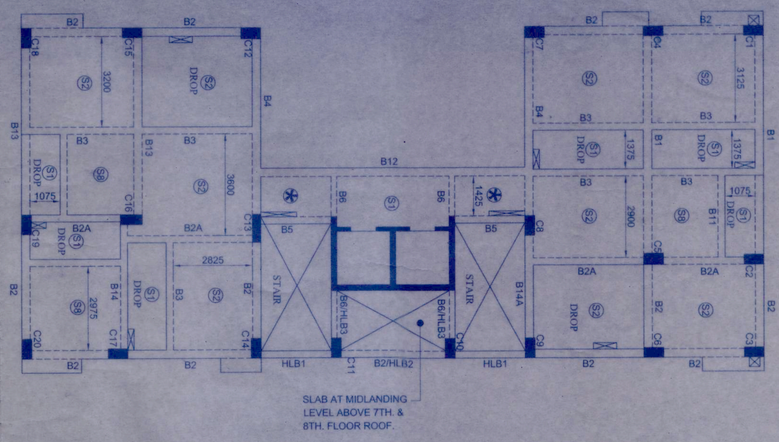
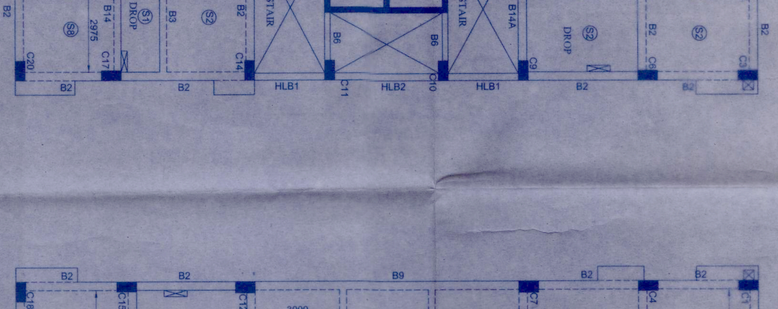
GR. FLOOR ROOF BEAM LAYOUT.



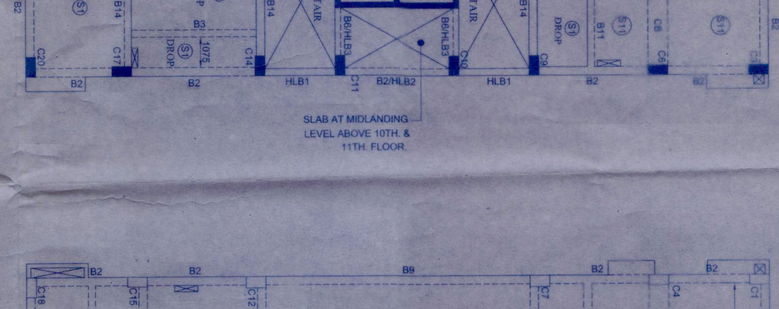
7TH. FLOOR ROOF & 8TH. FLOOR ROOF BEAM LAYOUT.



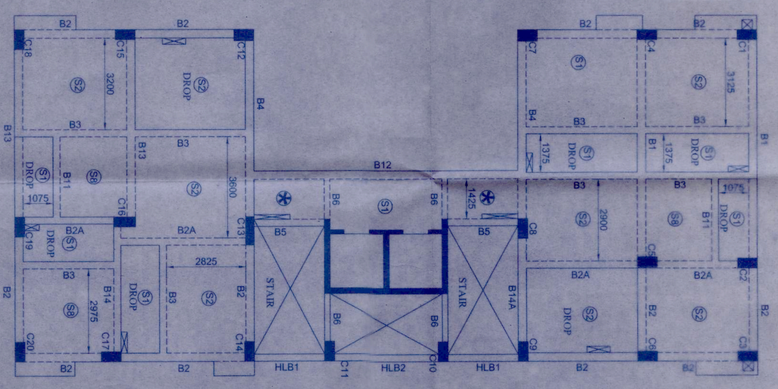
1ST. FLOOR ROOF BEAM LAYOUT.



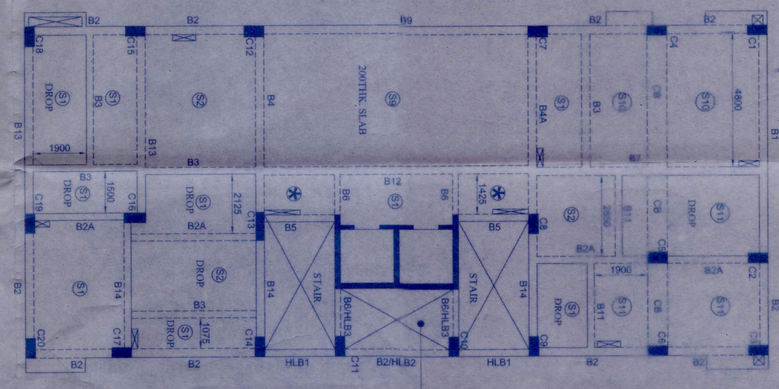
9TH. FLOOR ROOF BEAM LAYOUT.



2ND. FLOOR ROOF TO 5TH. FLOOR ROOF BEAM LAYOUT.

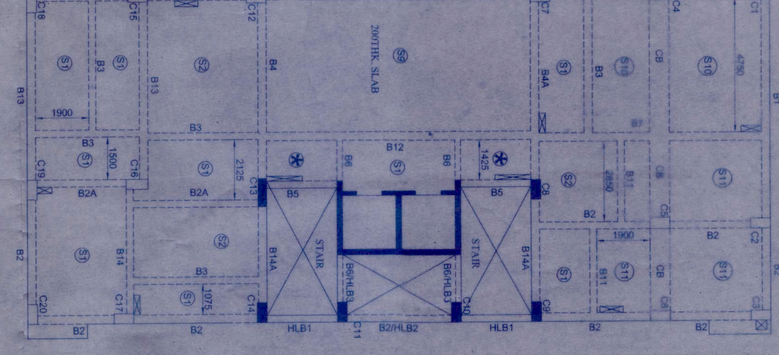


10TH. FLOOR ROOF BEAM LAYOUT.



6TH. FLOOR ROOF BEAM LAYOUT.

ROOF BEAM LAYOUT.



NOTES :-

1) ALL DIMENSIONS ARE IN MM.
2) GRADE OF CONCRETE :-
   i. FOR PILE CAP - M25
   ii. REST - M30
3) GRADE OF STEEL - Fe500 ALL
4) MINIMUM LAP-LENGTH :-
   FOR PILE - 40 Ø WITH 3 SETS LAP WELDING IN BOTH SIDES FOR A LENGTH OF 25MM.
   FOR REST - 50 Ø OF THE BAR.
5) ALL TIES TO BE SPOT WELDED WITH VERTICAL REINFORCEMENT.
6) DESIGN IS BASED ON AS PER IS-456, IS-875, IS-1893, IS-2911 & SP16.
7) MAXIMUM LOAD ON EACH PILE :
   VERTICAL LOAD - 95 MT (DATA SUPPLIED BY M/S GEOTEST ENGINEERS PVT.LTD)
8) BORING OF PILE :
   BORING SHOULD BE DONE WITH DMC METHOD ONLY AND BENTONITE SUSPENSION SHOULD BE USED DURING DRILLING AS IS 2911 (PART-I/ SEC-2) CL A.3.1 IF DMC METHOD APPLIED
9) VERTICAL LOAD TESTING OF PILE SHOULD CONFIRM IS:2911 (PART-4)
10) RCC BORED CAST IN SITU PILE SHOULD CONFIRM IS:2911 (PART-1, SEC-III)
11) COVERS :
   i. PILE - 40MM
   ii. PILE CAP- 50MM
   iii. COLUMN - 40MM
   iv. SLAB - TOP, BOTT.-20MM ENDS-25MM
   v. BEAM - TOP, BOTT. & SIDES-30MM ENDS - 50MM
12) EXT. TOP & BOTT.
   BEAM - i) EXT. TOP TO BE PROVIDED AT L/4 FROM SUPPORT.
   ii) EXT. BOTT TO BE EXTENDED UP TO L/5 FROM SUPPORT.
   SLAB - i) EXT. TOP TO BE PROVIDED IN ALL SUPPORTS FOR A LENGTH OF L/4 FROM SUPPORT.
   ii) BOTTOM BARS TO BE ALT. CUT AT L/5 FROM SUPPORT.
13) STRUCTURAL DESIGN IS DONE FOR G+XI STORIED BUILDING ONLY.

CERTIFICATE OF OWNER

I / WE HAVE ENGAGED ARCHITECT AND E.S.E DURING CONSTRUCTION
I / WE HAVE FOLLOWED THE INSTUCTIONS OF ARCHITECT AND E.S.E DURING CONSTRUCTION OF THE BUILDING.
I / WE SHALL BE RESPONSIBLE FOR STRUCTURE STABILITY OF BUILDING AND ADJOINING STRUCTURE.
IF ANY SUBMITTED DOCUMENT IS FOUND TO BE FAKE THE K.M.C AUTHORITY MAY REVOKE THE SANCTION PLAN.
THE CONSTUCTION OF WATER RESERVOIR AND SEPTIC TANK EXECUTED UNDER THE GUIDENCE OF ARCHITECT & E.S.E.
THE LAND DISPUTE IS SECURED IN FUTURE. THE K.M.C. SHALL REVOKE THE PLAN.

Kumar Vardhan Patodia
Constituted attorney of
Mr. Rana Das
Mrs. Lachmi Dey
SIGNATURE OF OWNER

CERTIFICATE OF ENGINEER STRUCTURAL ENGINEER

CERTIFIED THAT THE STRUCTURAL DESIGN & DRAWINGS OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS.

ASHIM KUMAR DAS
Structural Consultant
B.E.,M.I.E.,F.I.V.,M.S.A.S.C.E.
FELLOW IA Structe
Engineer(Retd.) No. 0990 S Engg. of Repair Extension Municipality
SIGNATURE OF STRUCTURAL ENGINEER
ASHIM KUMAR DAS
STRUCTURAL CONSULTANT
B.E.,M.I.E.,F.I.V.,M.S.A.S.C.E.
FELLOW IA Structe
ESE-190 (K.M.C.) M-140550-5
ADDRESS:
BANERJEE POOJA
188/4A, P. A. SHAH ROAD
KOLKATA-45

SANJAY J. DARUKH
STRUCTURAL CONSULTANT
M.E., I.S.T.E., M.I.E., (INDIA), F.I.V.
FELLOW IA Structe
E. S. E. NO. 104 (I) K. M. C.
SIGNATURE OF STRUCTURAL REVIEWER

ALOK ROY
Executive Engineer
Engineering Section
Municipality
SIGNATURE OF GEO-TECHNICAL ENGINEER
ALOK ROY
B.E.(CIVIL), M.I.E. (INDIA), F.I.V., M.A.S.C.E., M.I.G.S., M.I.S.M.E.E., M.I.W.W.A.
Executive Engineer (Retd.)
Kolkata Municipal Corporation
SIGNATURE OF GEO-TECHNICAL ENGINEER

CERTIFICATE OF ARCHITECT

THE L.B.A. HAS CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BLDG. RULES 2009, AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ABUTTING ROAD CONFIRM WITH THE PLAN AND IT IS A BUILD ABLE SITE AND NOT A TANK OR A FILLED UP TANK.

Rajkumar Agarwal
Architect
Member of Council of
Architecture CA / 94 / 17940
SIGNATURE OF ARCHITECT
RAJKUMAR AGARWAL
COUNCIL REGISTRATION NO. CA/94/17940
ADDRESS:-
RAJ AGARWAL & ASSOCIATES
8B, ROYD STREET, 2ND FLOOR, KOLKATA-16

STRUCTURAL CONSULTANT
ENGINEERS FORUM
188/4A, P. A. SHAH ROAD,
KOLKATA-45
PHONE - 2422-4335 / 2422-7520
email - engg_forum2006@yahoo.co.in

ARCHITECT:
RAJ AGARWAL & ASSOCIATES
8B, ROYD STREET,
CALCUTTA - 16

PROJECT :-

PROPOSED G+XI (39.4M HT.) STORIED RESIDENTIAL BUILDING AT PRE NO :- 17/48, N.S.C.BOSE ROAD, NETAJINAGAR, KOLKATA-700040, WARD NO.-98, BOROUGH - X

TITLE : SANCTION DRAWING

JOB NO. : 102014-2015

DRG. NO. : EFS/02

DRAWN BY. : KARTICK

SCALE : 1:100

DATE : 28.07.15