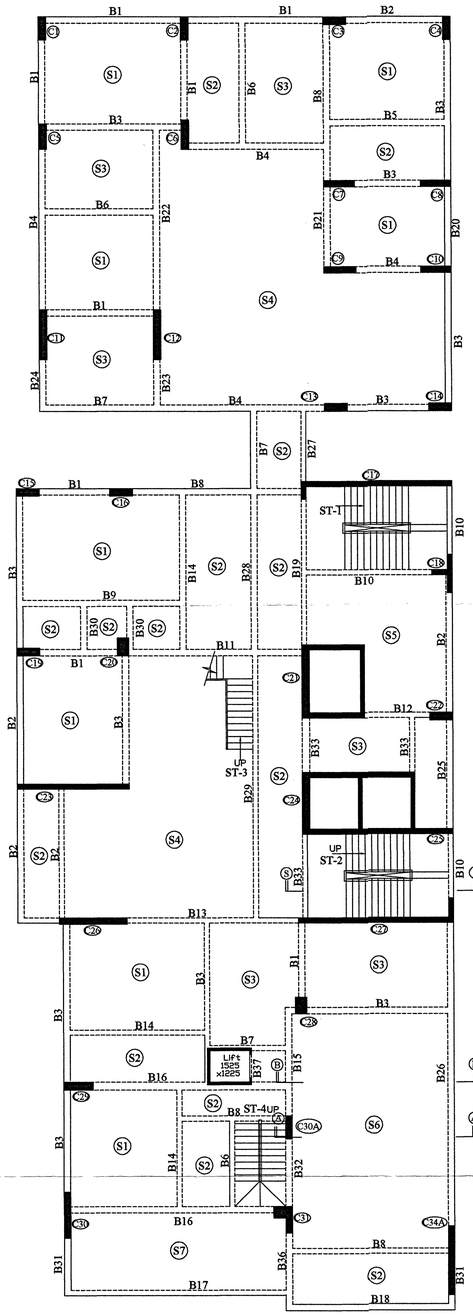
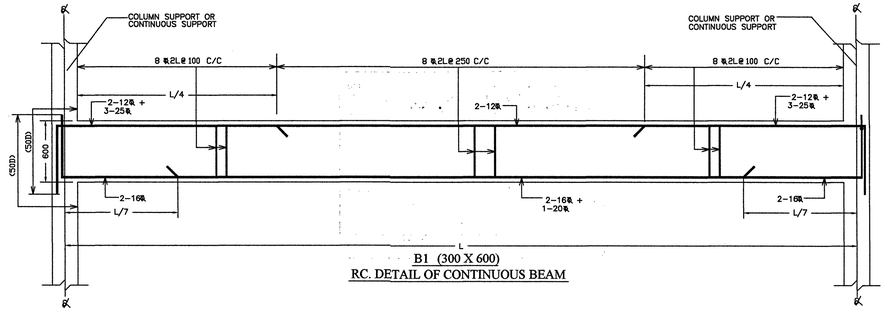
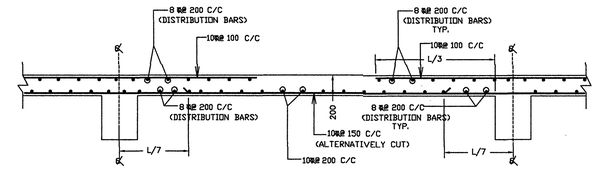


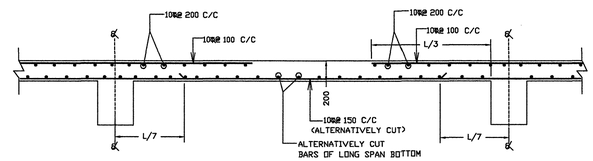
GENERAL ARRANGEMENT OF BEAM AND SLAB



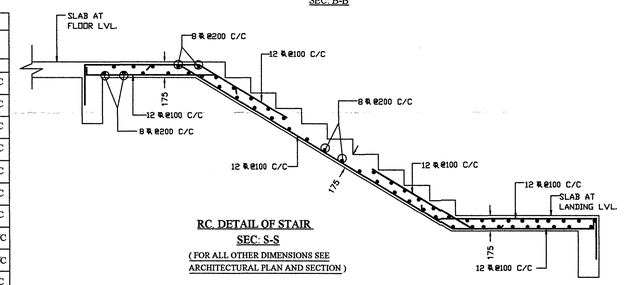
B1 (300 X 600)
RC. DETAIL OF CONTINUOUS BEAM



RC. DETAIL OF SLAB
SEC: A-A



RC. DETAIL OF SLAB
SEC: B-B



RC. DETAIL OF STAIR
SEC: S-S
(FOR ALL OTHER DIMENSIONS SEE ARCHITECTURAL PLAN AND SECTION)

SCHEDULE OF FLOOR BEAM

BEAM MKD.	BEAM SIZE	MAIN REINFORCEMENT						STIRRUPS	
		CONT. SUPP.		SPAN		DISCONT. SUPP.			
		TOP	BOT.	TOP	BOT.	TOP	BOT.	SUPPORT	SPAN
B1	300X600	2-12ϕ+ 3-25ϕ	2-16ϕ	2-12ϕ	2-16ϕ+ 1-20ϕ	2-12ϕ	2-16ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B2	300X600	2-12ϕ+ 2-25ϕ	2-16ϕ	2-12ϕ	3-16ϕ	2-12ϕ	2-16ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B3	300X600	2-12ϕ+ 4-25ϕ	2-20ϕ	2-12ϕ	4-20ϕ	2-12ϕ	2-20ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B4	300X600	2-12ϕ+ 5-25ϕ	4-20ϕ	2-12ϕ	4-20ϕ	2-12ϕ	4-20ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B5	300X600	-------	-------	2-12ϕ	2-16ϕ+ 1-20ϕ	2-12ϕ	2-16ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B6	300X600	-------	-------	2-12ϕ	3-16ϕ	2-12ϕ	2-16ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B7	300X600	2-12ϕ+ 1-16ϕ	2-16ϕ	2-12ϕ	3-16ϕ	2-12ϕ	2-16ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B8	300X600	2-12ϕ+ 5-25ϕ	2-25ϕ	2-12ϕ	4-25ϕ	2-12ϕ	2-25ϕ	10ϕ2L @ 100C/C	10ϕ2L @ 250C/C
B9	300X600	-------	-------	2-12ϕ	4-25ϕ	2-12ϕ	2-25ϕ	10ϕ2L @ 100C/C	10ϕ2L @ 250C/C
B10	200X600	3-20ϕ	2-16ϕ	2-20ϕ	3-16ϕ	2-20ϕ	2-16ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B11	300X600	2-16ϕ+ 5-25ϕ	3-25ϕ	2-16ϕ	5-25ϕ	2-16ϕ	3-25ϕ	10ϕ2L @ 100C/C	10ϕ2L @ 250C/C
B12	200X600	2-12ϕ+ 4-20ϕ	3-16ϕ	ALTH.				8ϕ2L @ 100C/C	
B13	200X600	2-20ϕ+ 4-25ϕ	2-25ϕ	2-20ϕ	4-25ϕ	2-20ϕ	2-25ϕ	10ϕ2L @ 100C/C	10ϕ2L @ 250C/C
B14	300X600	-------	-------	2-12ϕ	4-20ϕ	2-12ϕ	2-20ϕ	8ϕ-2L @ 100C/C	8ϕ2L @ 250C/C
B15	300X600	9-25ϕ	3-25ϕ	2-25ϕ	5-25ϕ	2-25ϕ	3-25ϕ	10ϕ2L @ 100C/C	10ϕ2L @ 250C/C
B16	300X600	9-25ϕ	3-25ϕ	2-25ϕ	6-25ϕ	2-25ϕ	3-25ϕ	12ϕ2L @ 100C/C	12ϕ2L @ 250C/C
B17	200X1500	-------	-------	2-25ϕ	10-25ϕ	2-25ϕ	5-25ϕ	12ϕ2L @ 100C/C	12ϕ2L @ 250C/C
B18	200X600	-------	-------	2-25ϕ	8-25ϕ	2-25ϕ	4-25ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B19	200X600	2-12ϕ+ 3-25ϕ	2-20ϕ	2-12ϕ	4-20ϕ	2-12ϕ	2-20ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B20	200X600	2-12ϕ+ 2-20ϕ	2-16ϕ	2-12ϕ	2-16ϕ+ 1-12ϕ	2-12ϕ	2-16ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B21	200X600	2-12ϕ+ 5-20ϕ	3-25ϕ	ALTH.				8ϕ2L @ 100C/C	
B22	250X600	2-12ϕ+ 6-25ϕ	3-25ϕ	2-12ϕ	5-25ϕ	2-12ϕ	3-25ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B23	250X600	2-12ϕ+ 6-25ϕ	3-25ϕ	CANTILEVER				8ϕ2L @ 100C/C	
B24	300X600	2-12ϕ+ 6-25ϕ	4-20ϕ	CANTILEVER				8ϕ2L @ 100C/C	
B25	300X600	2-12ϕ+ 3-16ϕ	2-16ϕ	2-12ϕ	3-16ϕ	2-12ϕ	2-16ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B26	250X1000	6-32ϕ	3-32ϕ	2-32ϕ	6-32ϕ	2-32ϕ	2-32ϕ	12ϕ2L @ 100C/C	12ϕ2L @ 250C/C
B27	200X600	4-20ϕ	3-16ϕ	ALTH.				8ϕ2L @ 100C/C	
B28	300X600	2-12ϕ+ 1-25ϕ	2-25ϕ	2-12ϕ	3-25ϕ	2-12ϕ	2-25ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B29	300X600	2-12ϕ+ 1-25ϕ	3-25ϕ	2-12ϕ	6-25ϕ	2-12ϕ	3-25ϕ	8ϕ2L @ 100C/C	8ϕ2L @ 250C/C
B30	300X600	2-12ϕ+ 1-16ϕ	2-12ϕ+ 1-16ϕ	ALTH.				8ϕ2L @ 100C/C	
B31	300X1500	8-25ϕ	3-25ϕ	CANTILEVER				8ϕ2L @ 100C/C	
B32	300X600	9-25ϕ	3-25ϕ	ALTH.				8ϕ2L @ 100C/C	
B33	300X600	5-20ϕ	3-20ϕ	ALTH.				8ϕ2L @ 100C/C	
B36	250X1500	6-32ϕ	3-25ϕ	CANTILEVER				8ϕ2L @ 100C/C	
B37	150X150	2-16ϕ	2-16ϕ	ALTH.				8ϕ2L @ 100C/C	

SCHEDULE OF SLAB

SLAB MKD.	SLAB THK.	REINFORCEMENT			
		SHORTER SPAN		LONGER SPAN	
		SUPPORT (TOP)	SPAN (BOT.)	SUPPORT (TOP)	SPAN (BOT.)
S1	150 MM.	8ϕ@ 150C/C.	8ϕ@ 200 C/C.	8ϕ@ 200 C/C.	8ϕ@ 200 C/C.
S2	110 MM.	8ϕ@ 200 C/C.	8ϕ@ 200 C/C.	8ϕ@ 200 C/C.	8ϕ@ 200 C/C.
S3	125 MM.	8ϕ@ 150 C/C.	8ϕ@ 150 C/C.	8ϕ@ 200 C/C.	8ϕ@ 200 C/C.
S4	190 MM.	8ϕ@ 100 C/C.	8ϕ@ 150 C/C.	8ϕ@ 150 C/C.	8ϕ@ 150 C/C.
S5	150 MM.	8ϕ@ 150 C/C.	8ϕ@ 150 C/C.	8ϕ@ 150 C/C.	8ϕ@ 150 C/C.
S6	200 MM.	10ϕ@ 100 C/C.	10ϕ@ 150 C/C.	10ϕ@ 200 C/C.	10ϕ@ 200 C/C.
S7	200 MM.	10ϕ@ 150 C/C.	10ϕ@ 150 C/C.	10ϕ@ 150 C/C.	10ϕ@ 150 C/C.
ST-1 & ST-2	175 MM.	12ϕ@ 100 C/C (MAIN) WITH 8ϕ@ 200 C/C (DIST.)			
ST-3 & ST-4	150 MM.	12ϕ@ 150 C/C (MAIN) WITH 8ϕ@ 200 C/C (DIST.)			

8ϕ200 C/C DISTRIBUTOR BAR ADDED WHEREVER REQUIRED

NOTES FOR GRADE OF CONCCRETE :

- GRADE OF CONCRETE FOR PILE - M25
- GRADE OF CONCRETE FOR PILE CAP, TIE BEAM , RAFT SLAB, FLOOR BEAM AND SLAB - M30
- GRADE OF CONCRETE FOR COLUMN, LIFT, RET WALL - M40

NOTE :

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. GRADE OF STEEL Fe 500
3. COVER TO REINFORCEMENTS : CLEAR COVER FOR PILE CAP = 65 MM.
   CLEAR COVER FOR TIE BEAM = 50 MM.
   CLEAR COVER FOR COLUMN = 40 MM.
   CLEAR COVER FOR ALL RC. WALL = 30 MM.
4. LAPS TO BE 50D
5. ALL THE BARS SHOULD NOT BE LAPPED IN SAME LOCATION BUT SHOULD BE IN A STAGGARD WAY.
6. LAPPING JOINT SHALL BE AVOIDED AT MAXM MOMENT & SHEAR ZONE AND AS PER DISCRETION OF ENGINEER IN CHANGE & SHOULD BE STAGGARD.
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DWGS.
8. CENTER LINE DIMENSION OF COLUMN WILL BE TAKEN ONLY FROM ARCHIITECTURAL DRAWING OF COLUMN CENTER LINE LAYOUT DRG NO. WD/ 01.

1. I SHALL ENGAGE ARCHITECT & ESE DURING CANSTRUCTION
2. I SHALL APPLY ALL GUIDE LINES DIRECTED BY W.B.E.F.S., AND W.B. POLLUTION CENTRAL BOARD AND OBSERVATION OF DG (PMU) OF KMC
3. NO CONSTRUCTION WILL BE MADE IN THE WATER BODY
4. THE DOCUMENTS, SUBMITTED ARE TRUE TO THE BEST OF MY KNOWLEDGE.IF ANY DOCUMENT IS FOUND FAKE, KMC AUTHORITY WILL REVOKE THE SANCTION PLAN.

Kawna Chatterjee
SMT. KAWNA CHATTERJEE
SIGNATURE OF OWNER :

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

Prasanta Kumar Ghosh
Geotechnical Engineer
EMPANELLED NO. 61 (KMC)
PRASANTA KUMAR GHOSH
KMC EMPANELLED NO- 6/1
SIGNATURE OF GEO-TECHNICAL ENGINEER :

MS. MITA SAHA
M.I.E., M.E. (Struct), C.E
ESE-92(1)
AG-89, Sec-11, Salt Lake
Mob:-9831888112
MITA SAHA
E.S.E. NO. -1/92
SIG.OF STRUCTURAL REVIEWER.

CHANDI PROSAD KHANRA
BE (Civil), ME (Struct.), MIE (India)
ESE -1/2
CHANDI PROSAD KHANRA
ESE. NO - 1/2
SIGNATURE OF STRUCTURAL ENGINEER :

THE BUILDING HAS BEEN DRAWN UP AS PER THE PROVISION OF THE K.M.C. BUILDING RULES 2009 AND THAT THE SITE CONDITIONS INCLUDING THE WIDTH OF THE ABUTTING K.M.C. ROAD CONFIRM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP TANK. THE PLOT IS LYING VACANT IN MAJOR PORTION AND DEMARCATED BY BRICK BUILT BOUNDARY WALL.

HARSH SANON
COUNCIL OF ARCHITECTURE
REGISTRATION No. CA/90/13556
HARSH SANON
COUNCIL OF ARCHITECTURE
REGISTRATION NO. CA/90/13556
SIGNATURE OF ARCHITECT :

PROJECT : **PLAN PROPOSAL OF B+G+10 (HEIGHT - 43.700 M.) STORIED RESIDENTIAL BUILDING UNDER SECTION 393 A OF KMC ACT 1980, COMPLYING KMC BUILDING RULES 2009 (AMENDED)AT PREMISES NO 8/1 ALIPORE PARK ROAD , WARD NO- 74, BOROUGH-IX,KOLKATA-700027. UNDER KOLKATA MUNICIPAL CORPORATION.**

JOB NO :	TITLE :			
DRG. NO : C/S-02	GENERAL ARRANGEMENT OF BEAM AND SLAB WITH REINFORCEMENT OF SUPERSTRUCTURE			
REVISION NO :	SCALE : 1:100,1:25	DEALT BY : 17/01/2018	CHECKED: N. RAY	DATE : C.P.K.

S&S
SANON SEN & ASSOCIATES (P) LTD.
5, RUSSEL STREET, KOLKATA-700 071
PHONE:91-33-22264579, 22278068, 22172505;
FAX:2226 6917 www.sanonsen.com

kmc online

PARTY'S COPY

Structural p[illegible] as submitted by the structural engineer ha[illegible] been kept with B.P. No. 2018050165.....Date 26/11/18.....for record of the Kolkata Municipal Corporation without verification No. deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form, necessary steps should be taken for the safetyof the adjoining premises public and private properties and safety of human life during construction.

[illegible] ENGINEER/ASSTT.ENGINEER