

PROJECT:
PROPOSED PLAN OF 64 (BLOCK-A) & G-WII
(BLOCK-B) STORED RESIDENTIAL BUILDING
AT PREMISES NO.68, MATHESARTOLA ROAD,
WARD NO - 58, BOROUGHVII, P.S.-TILJALA,
KOLKATA-000046, UNDER KMC

- NOTES:-
1. ALL DIMENSIONS ARE IN mm. AND
 2. GRADE OF CONCRETE :-
 3. PILE : M25
 4. SUPERSTRUCTURE : M25
 5. REINFORCEMENT SHALL BE F4500.
 6. CLEAR COVER TO MAIN REINFORCEMENT :-
 7. PILE : 500mm, 8) PILE CAP : 400mm.
 8. THE BEAM : 400mm, 9) COLUMN : 400mm.
 - 9) FLOOR BEAM : 250mm, 10) FLOOR SLAB : 200mm.
 - 11) LIFT WALL : 200mm.
 - 12) MIX OF P.C.C SHALL BE 1:3:6
 - 13) JOINT LENGTH SHALL BE 500 WHERE D IS
 - 14) THE MINIMUM BARS.
 15. SLUMP FOR PILE CONCRETE SHALL BE 150 TO 180.
 16. IS 2911-PART 4.
 17. GRADE OF CONCRETE SHALL BE M25 (MIN. CEMENT CONTENT IS 400 KG/CUM. AND MAX. WATER CEMENT RATIO IS 0.45).
 18. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE 50 mm.
 19. (ROLLER TYPE COVER BLOCK TO BE USED).
 20. SPECIAL MIX OF BENTONITE SLURRY AFTER WASHING SHALL 1:1 TO 1:2

SMITH ASSOCIATES PVT. LTD.
Signature
AUTHENTIC SIGNATURE
SIGNATURE OF OWNER

THIS IS TO CERTIFY THAT THE STRUCTURAL DESIGN & DRAWINGS
FOR THE PROPOSED BUILDING HAS BEEN MADE IN ACCORDANCE WITH
THE REQUIREMENTS OF THE NATIONAL BUILDING CODE
INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE
ALL RESPECTS OF INDIA AND CERTIFIED THAT IT IS SAFE AND
STABLE WITH ALL RESPECT.

Signature
KOUSHIK SENGUPTA
B.E. (CIVIL) A.E. (STRUCTURAL)
E.S.E. - 17/76 (K.M.C.)
SIGNATURE OF ENGINEER

I DO HEREBY CERTIFY WITH FULL RESPONSIBILITY THAT THE
DRAWING HAS BEEN DRAWN UP AS PER PROVISION OF
K.M.C. BUILDING CODE AND THAT THE BUILDING WILL BE
THE WIDTH OF THE ABUTTING ROADS CONFORM WITH THE
BUILDING PLAN AND IT IS A BUILDABLE SITE NOT A HANK OR
WALLS AND MEASUREMENT AGREED WITH THE USED PLANIT IS
FULLY OCCUPIED BY THE OWNER

Signature
SIGNATURE OF ARCHITECT

ARCHITECT:-
MAHESHWARI & ASSOCIATES
37A, BAKER ROAD, 2ND FLOOR, A.P.S. BLDG.,
KOLKATA - 700027
TEL : 6533466, 6522864

STRUCTURAL DRAWING (SUPER STRUCTURE)
SCALE - 1:100
BLOCK-A
date:- 16-01-2015
sheet - 2 OF 2
K S G ENGINEERING CONSULTANTS
51/2 MAHAJATI NAGAR, BHATI,
KOLKATA-700051

1ST FLOOR SHUTTERING PART PLAN
ALL PANELS ARE 50 UNO.

SCHEDULE OF BEAMS

BEAM MKD.	BEAM SIZE	BEAM REINFORCEMENT			
		AT SUPPORT	AT SPAN	STIRRUPS	AT SPAN
B-1	250X500	3-16 T	3-16 T	3-16 T	8 T 2L @ 100 c/c
B-2	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
B-3	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
B-4	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
B-5	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
B-6	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
B-7	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
B-8	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
SB1	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
SB2	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
SB3	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
SB4	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
CB1	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
CB2	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c
CB3	250X500	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c

SCHEDULE OF SLABS

SLAB MKD.	SLAB THICKNESS	REINFORCEMENT DETAILS			
		SHORTER BARS	LONGER BARS	TOP	BOTTOM
S1	100	8 Tor @ 150 c/c	8 Tor @ 175 c/c	8 Tor @ 175 c/c	8 Tor @ 200 c/c
S2	110	8 Tor @ 150 c/c	8 Tor @ 175 c/c	8 Tor @ 175 c/c	8 Tor @ 200 c/c
S3	125	8 Tor @ 150 c/c	8 Tor @ 175 c/c	8 Tor @ 175 c/c	8 Tor @ 200 c/c
S4	150	10 Tor @ 150 c/c	10 Tor @ 175 c/c	10 Tor @ 175 c/c	10 Tor @ 200 c/c
S5	175	10 Tor @ 125 c/c	10 Tor @ 150 c/c	10 Tor @ 150 c/c	10 Tor @ 175 c/c

PROVIDE DISTRIBUTOR 8tor @ 200 c/c WHEREVER NECESSARY

5TH FLOOR SHUTTERING PLAN
ALL PANELS ARE 50 UNO.

TYPICAL LONG SECTION OF FLOOR SLAB

LONG SECTION OF BEAM

TYPICAL LONG SECTION OF BEAM SHOWING STIRRUP DETAIL