## SCHEDULE OF FLOOR SLAB

| THK (MM) | REINFORCEMENT | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | SHORTER DIRECTION | | | | LONGER DIRECTION | | | |
| | SUPPORT | | SPAN | | SUPPORT | | SPAN | |
| | TOP | BOTTOM | TOP | BOTTOM | TOP | BOTTOM | TOP | BOTTOM |
| 110 | @ 125 C/C | @ 250C/C | @ 250 C/C | @ 125 C/C | @ 150 C/C | @ 300C/C | @ 300 C/C | @ 150 C/C |
| 125 | @ 125 C/C | @ 250C/C | @ 250 C/C | @ 125 C/C | @ 150 C/C | @ 300C/C | @ 300 C/C | @ 150 C/C |
| 150 | @ 125 C/C | @ 250C/C | @ 250 C/C | @ 125 C/C | @ 125 C/C | @ 250C/C | @ 250 C/C | @ 125 C/C |

## SCHEDULE OF PILE CAP

| CAP MKD | CAP SIZE(MM) | | | FOOTING REINFORCEMENT | | | |
|---|---|---|---|---|---|---|---|
| | LENGTH | WIDTH | THK | BOTTOM BAR | | TOP BAR | |
| | L | B | D | SHORTER DIRECTION | LONGER DIRECTION | SHORTER DIRECTION | LONGER DIRECTION |
| 2P | 2300 | 800 | 750 | 20T@150C/C | 20T@150C/C | 16T@150C/C | 16T@150C/C |
| 3P | 2300 | 2100 | 900 | 20T@150C/C | 20T@150C/C | 16T@150C/C | 16T@150C/C |
| 4P | 3100 | 1500 | 750 | 20T@150C/C | 20T@150C/C | 16T@150C/C | 16T@150C/C |

| | | | | |
|---|---|---|---|---|
| ABOVE ROOF | 4-16T ○ + 4-16T ○ | 8T@100C/C (END ZONE) + 8T@200C/C (MID ZONE) | 6-16T ● + 6-16T ○ | 8T@100C/C (END ZONE) + 8T@150C/C (MID ZONE) |
| ROOF LEVEL + 3RD FLOOR | 4-20T ● + 4-16T ○ | 8T@100C/C (END ZONE) + 8T@200C/C (MID ZONE) | 6-16T ● + 6-16T ○ | 8T@100C/C (END ZONE) + 8T@150C/C (MID ZONE) |
| 3RD FLOOR + 2ND FLOOR | 4-20T ● + 6-16T ○ | 8T@100C/C (END ZONE) + 8T@200C/C (MID ZONE) | 6-20T ● + 8-16T ○ | 8T@100C/C (END ZONE) + 8T@150C/C (MID ZONE) |
| 1ST FLOOR + PILE CAP | 6-20T ● + 4-16T ○ | 8T@100C/C (END ZONE) + 8T@200C/C (MID ZONE) | 6-20T ● + 8-16T ○ | 8T@100C/C (END ZONE) + 8T@150C/C (MID ZONE) |
| ELEVATION LEVEL(m) | C1,C2,C3,C4,C5,C6, C7,C8,C9,C10,C11 | | C13,C14,C16, C17,C19,C20 | |
| | | | 10-20T ● + 4-20T ○ | 8T@100C/C (END ZONE) 8T@150C/C (MID ZONE) |
| | | | C12,C15,C18 | |

## SCHEDULE OF TIE BEAMS

| BEAM MKD. | SIZE (MM) | | REINFORCEMENT | | | | STIRRUP | |
|---|---|---|---|---|---|---|---|---|
| | WIDTH | DEPTH | SUPPORT | | SPAN | | END ZONE | MID ZONE |
| | | | TOP | BOTTOM | TOP | BOTTOM | | |
| TB1 | 250 | 300 | 2-16 T + 1-16 T | 2-16 T | 2-16 T | 2-16 T + 1-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| TB2 | 250 | 300 | 2-16 T + 1-16 T | 2-16 T | 2-16 T | 2-16 T + 1-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| TB3 | 250 | 300 | 2-16 T + 1-16 T | 2-16 T | 2-16 T | 2-16 T + 1-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| TOE | 250 | 300 | 2-16 T + 1-16 T | 2-16 T | 2-16 T | 2-16 T + 1-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| HLB | 250 | 300 | 3-16 T | 3-16 T | 3-16 T | 3-16 T | 2L- 8T @ 125 C/C | 2L- 8T @ 125 C/C |

## SCHEDULE OF FLOOR BEAMS

| BEAM MKD. | SIZE (MM) | | REINFORCEMENT | | | | STIRRUP | |
|---|---|---|---|---|---|---|---|---|
| | WIDTH | DEPTH | SUPPORT | | SPAN | | END ZONE | MID ZONE |
| | | | TOP | BOTTOM | TOP | BOTTOM | | |
| FB1 | 250 | 400 | 2-16 T + 2-16 T | 2-16 T | 2-16 T | 2-16 T + 1-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| FB2 | 250 | 400 | 2-16 T + 2-16 T | 2-16 T | 2-16 T | 2-16 T + 1-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| FB3 | 250 | 400 | 3-16 T + 2-16 T | 2-16 T | 2-16 T | 3-16 T + 2-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| FB4 | 250 | 500 | 3-16 T + 2-16 T | 3-16 T | 3-16 T | 3-16 T + 2-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| FB4A | 250 | 600/400 | 3-16 T + 3-20 T | 3-16 T | **** | **** | 2L- 8T @ 100 C/C | 2L- 8T @ 100 C/C |
| FB5 | 250 | 500 | 3-16 T + 2-20 T | 3-16 T | 3-16 T | 3-16 T + 2-20 T | 2L- 8T @ 100 C/C | 2L- 8T @ 100 C/C |
| FB5A | 250 | 600/400 | 3-16 T + 3-20 T | 3-16 T | **** | **** | 2L- 8T @ 100 C/C | 2L- 8T @ 100 C/C |
| FB6 | 250 | 500 | 3-16 T + 3-20 T | 3-16 T | 3-16 T + 3-20 T | 3-16 T + 3-20 T | 2L- 8T @ 100 C/C | 2L- 8T @ 100 C/C |
| FB7 | 250 | 350 | 2-16 T + 1-16 T | 2-16 T | 2-16 T + 1-16 T | 2-16 T + 1-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| FB8 | 250 | 400 | 2-16 T + 2-16 T | 2-16 T | 2-16 T + 2-16 T | 2-16 T + 2-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| FB9 | 250 | 350 | 2-16 T + 1-16 T | 2-16 T | 2-16 T + 1-16 T | 2-16 T + 1-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |
| FB10 | 250 | 350 | 2-16 T + 1-16 T | 2-16 T | 2-16 T | 2-16 T + 1-16 T | 2L- 8T @ 100 C/C | 2L- 8T @ 200 C/C |

## GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETER U N O
2. FIGURED DIMENSIONS ONLY TO BE FOLLOWED.
3. DIMENSIONS TO BE VERIFIED AT SITE BEFORE EXECUTION
4. **GRADE OF CONCRETE SHALL BE M-25.**
5. ALL TMT REINFORCING STEEL SHALL BE OF GRADE Fe 500D, CONFORMING TO IS 1786:2008
6. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS BELOW
   A FOUNDATION = 50MM
   B PEDESTAL = 40MM
   C COLUMN = 40MM
   D TIE BEAM = 50MM
   E SLAB = 25MM
7. MINIMUM LAP LENGTH SHALL BE 50 TIMES THE BAR DIAMETER
8. THE LAPS SHALL BE STAGGERED,NOT MORE THAN 1/3RD OF THE TOTAL REINFORCEMENT SHALL BE LAPPED AT A SINGLE SECTION
9. **PILE DETAILS**
   **DIAMETER- 500MM, SHAFT LENGTH- 20M, CUT OFF- 1.5M, VER CAPACITY- 55.0 T, LATERAL CAPACITY-2.2T, UPLIFT-32T**

CERTIFICATE FROM GEO-TECH ENGINEER :- UNDER SIGNED HAS INSPECED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON IT CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE AND STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW

GAUTOM KR MONDAL
G.T.E. NO-16/II
KOLKATA MUNICIPAL CORPORATION
SIGNATURE OF GEO-TECH ENGINEER
GAUTOM KUMAR MONDAL
(GEO-TECHNO 16, CLASS - II)

CERTIFICATE FROM STRUCTURAL ENGINEER :- THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT

MAINUDDIN SAIKH
Empanelled Structural Engineer
LIC No. ES/0/597
Kolkata Municipal Corporation

SIGNATURE OF E.S.E
MAINUDDIN SAIKH. (E.S.E. NO.-CLASS-II/597 )

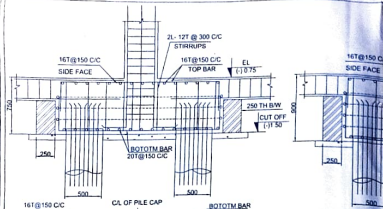
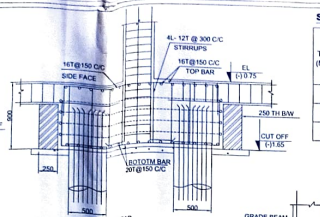
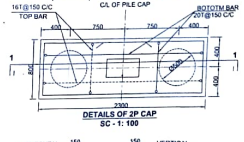
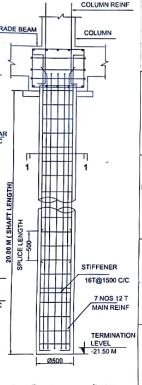
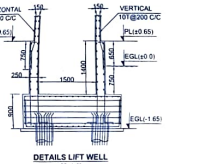
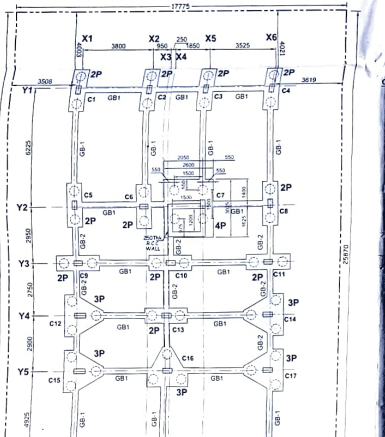
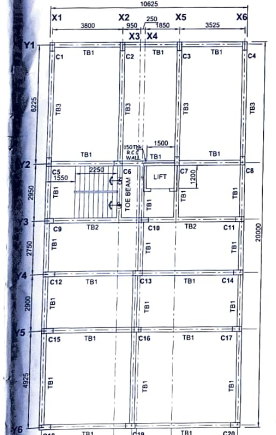
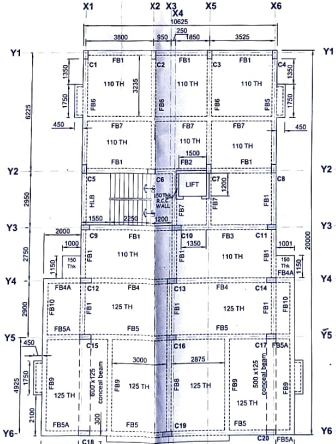
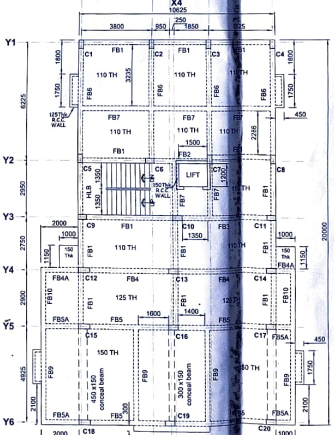
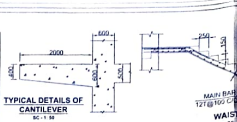
CERTIFICATE FROM L.B.S. :- I CERTIFIED WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF KMC ACT 1980 & BUILDING RULES 2009 AS AMENDED TIME TO TIME & THAT THE SITE CONDITION INCLUDING THE ABUTTING ROAD CONFORMS WITH THE PLAN, WHICH HAS BEEN MEASURED AND VERIFIED BY ME. IT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP TANK. THE LAND WITH EXISTING STRUCTURE IS DEMARKED BY BOUNDARY WALL. THE CONSTRUCTION OF U.G.WATER TANK AND SEPTIC TANK WILL BE COMPLETED BEFORE STARTING OF BUILDING FOUNDATION WORK. *SIGNATURE OF OWNER IS AUTHENTICATED BY ME. THE PLOT IS BEYOND 500 M. FROM THE C/L OF E.M.BYPASS.*

Jagajit Gupta
Licensed Building Surveyor
Kolkata Municipal Corporation
License No.:- L.B.S.1386, Class-I

SIGNATURE OF L.B.S.
JAGAJIT GUPTA, (L.B.S. NO.-CLASS-II/1386 )

I DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT
* I SHALL ENGAGE L.B.S. & E.S.E. DURING CONSTRUCTION,
* I SHALL FOLLOW THE INSTRUCTION OF L.B.S & E.S.E. DURING CONSTRUCTION OF THE BUILDING (AS PER B.S.PLAN).
* KMC AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURES.
* IF ANY SUBMITTED DOCUMENTS ARE FOUND TO BE FAKE, THE KMC AUTHORITY WILL REVOKE THE SANCTION PLAN.
* THE CONSTRUCTION OF WATER RESERVOIR & SEPTIC TANK WILL BE UNDERTAKEN UNDER THE GUIDANCE OF E.S.E. / L.B.S. BEFORE STARTING OF BUILDING FOUNDATION WORK.
* EXISTING STRUCTURE TO BE DEMOLISH BEFORE COMMENCEMENT OF WORK. THE STRUCTURE IS FULLY OCCUPIED BY THE OWNER.
* THE PLOT IS IDENTIFIED BY ME DURING INSPECTION

M/S TARUNEMA CONSTRUCTION
REPRESENTED BY NEMAI DUTTA
CONSTITUTED ATTORNEY OF
APARNA BISWAS

M/S TARUNEMA CONSTRUCTION REPRESENTED BY NEMAI DUTTA
CONSTITUTED ATTORNEY OF APARNA BISWAS
SIGNATURE OF OWNER/APPLICANT

PROPOSED STRUCTURAL DETAILING PLAN OF G+FOUR STORIED RESIDENTIAL BUILDING AT K.M.C.
**PREMISES NO 2220, NAYABAD**
**WARD-109, BOROUGH-XII**
UNDER K.M.C. P.S :- PURBA JADAVPUR
KOLKATA - 700 094.
(MOUZA-NAYABAD, J.L.-29, R.S.DAG NO.-90, R.S. KHATIAN NO.104 & 147/1)