

STRUCTURAL PLAN OF PROPOSED GROUND PLUS THREE STORED RESIDENTIAL BUILDING AT PREMISES NO.- 408, MAHATMA GANDHI ROAD, WARD NO.- 122, BOURGH-XIII, UNDER THE KOLKATA MUNICIPAL CORPORATION (S.S. UNIT). FOR ANUP GHOSH.

SCHEDULE OF FOUNDATION :-

| MKD. | UNDER COLS | SIZE (WxL) (MMxMM) | DEPTH (MM) | PEDESTAL (MM) | REINFORCEMENT |
|------|------------------------------------|--------------------|------------|---------------|--|
| F1 | C1,C2,C5,C6,C10, C15 TO C18 | 1800 2050 | 400 | 400x550 | 12 @ 175MM C/C (LONG.) 12 @ 200MM C/C (SHRT.) |
| F2 | C3,C4,C7 TO C9, C11 TO C14,C19,C20 | 2250 2500 | 450 | 400x550 | 12 @ 175MM C/C (LONG.) 12 @ 175MM C/C (SHRT.) |

SCHEDULE OF SLAB :-

| PANEL MKD. | THK. (MM) | REINFORCEMENT AT BOTTOM | | REINFORCEMENT AT TOP (SUPPORT) | |
|------------|-----------|--------------------------|--------------------------|--------------------------------|----------------------|
| | | SHORT DIREC. | LONG DIREC. | SHORT DIREC. | LONG DIREC. |
| ALL | 110 | 8 @ 175 MM C/C ALT. CKD. | 8 @ 200 MM C/C ALT. CKD. | 8 @ 350 MM C/C EXTRA | 8 @ 400 MM C/C EXTRA |

SCHEDULE OF COLUMN :-

| COL. MKD. | SECTION | LONG REINFORCEMENT | | LATERAL TIE | |
|-----------------------------------|---------|--------------------|---------------------|--------------|-------------|
| | | SHORT DIREC. | LONG DIREC. | SHORT DIREC. | LONG DIREC. |
| C1 TO C6,C10,C11, C15, C17 TO C20 | 250x400 | 4-16 @ + 4-12 @ | 8 @ 4L @ 175 MM C/C | | |
| C7 TO C9, C12 TO C14,C16 | 250x400 | 8-16 @ | 8 @ 4L @ 175 MM C/C | | |

CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES 2009. AS AMPENDED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING WIDTH OF ABUTTING ROAD (MT. BY K.M.C.) CONFORM WITH THE PLAN, WHICH HAS BEEN MEASURED AND VERIFIED BY ME. IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP A TANK. THE LAND IS DEHARICATED BY BOUNDARY WALL. THE CONSTRUCTION OF U.G. WATER TANK AND SEPTIC TANK WILL BE COMPLETED BEFORE STARTING OF BUILDING FOUNDATION WORK.

KRISHNENDU RAY
LBS/11085
SIGNATURE OF L.B.S.

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AS PER NATIONAL BUILDING CODE OF INDIA (LATEST REVISION) AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS. SOIL TESTING HAS BEEN DONE BY FOUNDATION NIIRMAN OF 34, SATYEN ROY ROAD, KOLKATA-34. THE RECOMMENDATIONS OF SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATIONS.

PRABIR KUMAR CHATTOPADHYAY
ESE/1106
SIGNATURE OF STRUCTURAL ENGINEER

UNDERSIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE AND STABLE IN ALL RESPECT FROM THE GEOTECHNICAL POINT OF VIEW.

PRABIR KUMAR CHATTOPADHYAY
G.T./11/5
SIGNATURE OF GEOTECHNICAL ENGINEER

- I, DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT
- I, SHALL ENGAGE L.B.S. AND E.S.E. DURING CONSTRUCTION.
- I, SHALL FOLLOW THE INSTRUCTION OF L.B.S. AND E.S.E. DURING CONSTRUCTION OF THE BUILDING (AS PER B.S. PLAN)
- K.M.C. AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING AND ADJOINING STRUCTURES.
- IF ANY SUBMITTED DOCUMENTS ARE FOUND TO BE FAKE, THE K.M.C. AUTHORITY WILL REVOKE THE SANCTION PLAN.
- THE CONSTRUCTION OF WATER RESERVOIR AND SEPTIC TANK WILL BE UNDERTAKEN UNDER THE GUIDANCE OF L.B.S. / E.S.E. BEFORE STARTING OF BUILDING FOUNDATION WORK.
- DURING INSPECTION PLOT WAS IDENTIFIED BY ME AND IF ANY DISPUTE ARISES REGARDING THE OWNERSHIP OF THE LAND / PLOT K.M.C. AUTHORITY WILL BE NOT RESPONSIBLE.

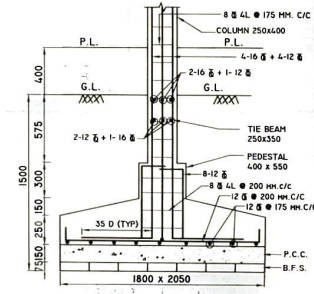
ANUP GHOSH
SIGNATURE OF OWNER

SCHEDULE OF BEAM :-

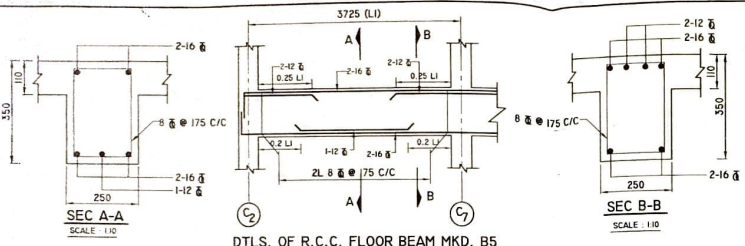
| BEAM MKD. | SIZE (MMxMM) | REINF. AT SPAN | | REINF. AT SUPT. | | STRPS | REMARK |
|-----------|--------------|------------------|------------------|------------------|--------|---------------------|------------|
| | | TOP | BOT | TOP | BOT | | |
| B1 | 250x300 | 2-12 @ 1-12 @ | 2-12 @ 2-12 @ | 2-12 @ 2-12 @ | 2-12 @ | 8 @ 2L @ 150 C/C | FLOOR BEAM |
| B2 | 250x350 | 2-12 @ 1-12 @ | 2-12 @ 1-12 @ | 2-12 @ 2-12 @ | 2-16 @ | 8 @ 2L @ 175 C/C | FLOOR BEAM |
| B3 | 250x350 | 2-16 @ 1-16 @ | 2-16 @ 1-16 @ | 2-16 @ 2-16 @ | 2-16 @ | 8 @ 2L @ 175 C/C | FLOOR BEAM |
| B4 | 250x350 | 2-16 @ 1-12 @ | 2-16 @ 2-16 @ | 2-16 @ 2-16 @ | 2-16 @ | 8 @ 2L @ 175 C/C | FLOOR BEAM |
| B5 | 250x350 | 2-16 @ 1-12 @ | 2-16 @ 2-16 @ | 2-16 @ 2-16 @ | 2-16 @ | 8 @ 2L @ 175 C/C | FLOOR BEAM |
| B6 | 250x350 | 2-16 @ 1-12 @ | 2-16 @ 2-16 @ | 2-12 @ 2-12 @ | 2-12 @ | 8 @ 2L @ 175 C/C | FLOOR BEAM |

SCHEDULE OF TIE BEAM :-

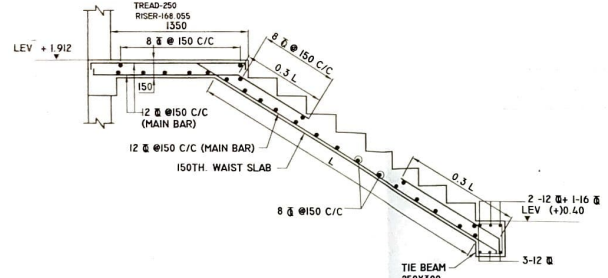
| BEAM MKD. | SIZE (MMxMM) | REINF. AT SUPT. | | REINF. AT SPAN | | STRPS | REMARK |
|-----------|--------------|--------------------|--------------------|--------------------|--------|---------------------|----------|
| | | TOP | BOT | TOP | BOT | | |
| TB1 | 250x300 | 2-12 @ + 1-16 @ | 3-12 @ | 2-12 @ + 1-16 @ | 3-12 @ | 8 @ 2L @ 150 C/C | TIE BEAM |
| TB2 | 250x350 | 2-16 @ + 1-12 @ | 2-16 @ + 1-16 @ | 2-12 @ + 1-16 @ | 2-12 @ | 8 @ 2L @ 175 C/C | TIE BEAM |



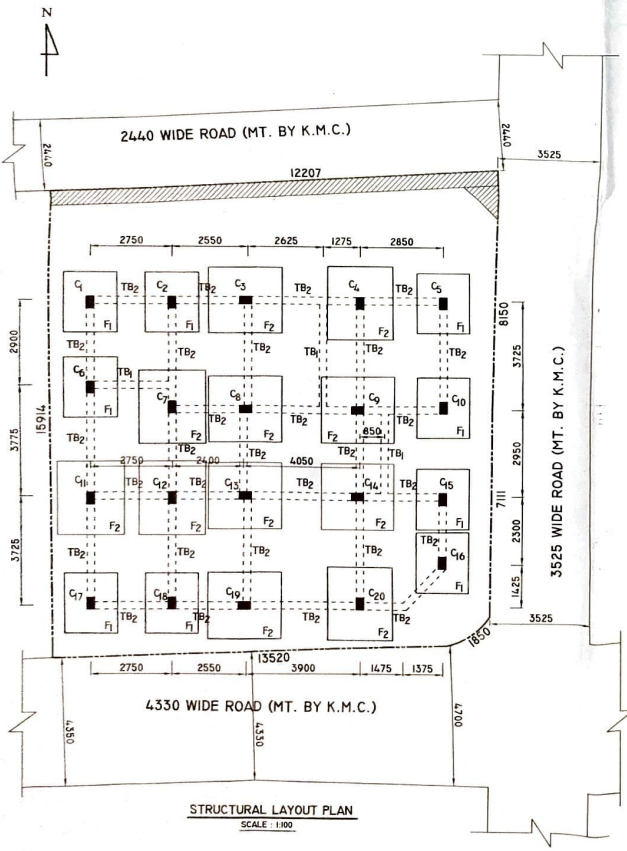
DETAILS OF RCC COLUMN WITH FOUNDATION
TYPE-F1 (C2)
SCALE: 1:25



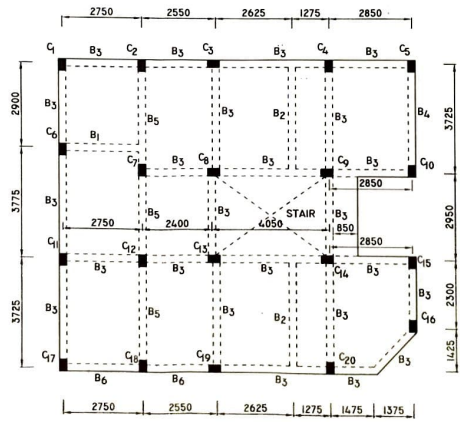
DTLS. OF R.C.C. FLOOR BEAM MKD. B5
SCALE: 1:10



DETLS. OF STAIR
SCALE: 1:10



STRUCTURAL LAYOUT PLAN
SCALE: 1:100



GENERAL ARRANGEMENT OF BEAM
SCALE: 1:100

- NOTES:
- ALL DIMENSIONS ARE IN MM & ELEVATIONS ARE IN METRE.
 - ALL STRUCTURAL CONCRETE SHALL BE OF GRADE M-20 CONFORMING TO IS: 456-2000
 - ALL LEAN CONCRETE SHALL BE GRADE OF M15 (1:2:4)
 - ALL REINFORCEMENT STEEL BARS SHALL CONFORM CHARACTERISTIC STRENGTH FOR MAIN REINFORCEMENT GRADE=415 & CHARACTERISTIC STRENGTH FOR SECONDARY REINFORCEMENT GRADE=250
 - UNLESS NOTED, OTHERWISE LAP/ ANCHOR (Ld) LENGTH SHALL BE 50 TIMES THE DIAMETER OF THE BAR
 - IF THERE IS ANY ADJOINING STRUCTURE, PRECAUTION SHOULD BE TAKEN BY SHORING WITH S&L BALLON OR STEEL SHEET PILING BEFORE STARTING THE EXCAVATION WORK FOR THE PROPOSED FOUNDATION
 - CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:

| ITEMS | TOP | BOTTOM | SIDE |
|--------------------|-------|--------|-------|
| A) FOUNDATION SLAB | 50 MM | 50 MM | 50 MM |
| B) PEDESTAL | 40 MM | - | 40 MM |
| C) COLUMN | - | - | 40 MM |
| D) TIE BEAM | 25 MM | 25 MM | 25 MM |
| E) FLOOR BEAM | 15 MM | 25 MM | 25 MM |
| F) ROOF SLAB | 15 MM | 15 MM | 25 MM |

PARTY'S COPY

RESIDENTIAL BUILDING

DEVIATION WOULD MEAN DEMOLITION

Necessary steps should be taken for the safety of the lives of the adjoining public and private properties during construction.

THE SANCTION IS VALID
UP TO 16/07/2025

Structural plan and design calculation as submitted by the structural engineer have been kept with B. P. No. 202.013.00.53 Date 17/7/20 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 safety of the adjoining premises public and private properties and safety of human life during construction.


Asst. Engineer/Technical Advisor / Executive Engineer
BOROUGH NO.- XIII, XIV

