COLUMN SCHEDULE

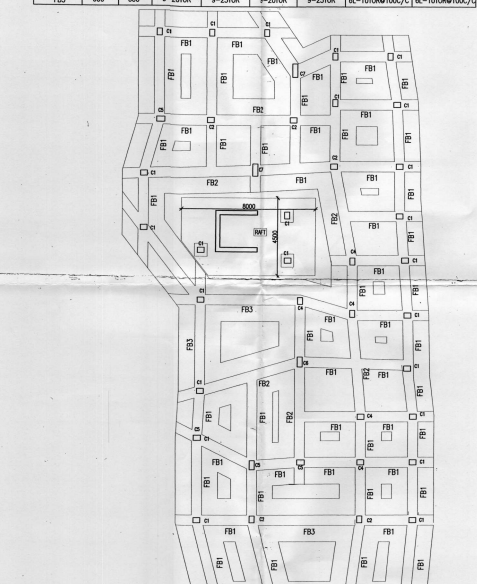
GRADE OF CONCRETE – M25

3RD FL. LVL. TO ROOF LVL.	8–16TOR	10–16TOR	8–16TOR	10–16TOR	8–16TOR	10–16TOR	10–16TOR	8–16TOR	12–16TOR
1ST FL. LVL. TO 3RD FL. LVL.	8–16TOR	4–20TOR+6–16TOR	8–16TOR	10–16TOR	8–16TOR	10–16TOR	10–16TOR	8–16TOR	12–20TOR
FOUNDATION TO 1ST FL. LVL	8–16TOR	10–20TOR	8–16TOR	4–20TOR+6–16TOR	4–20TOR+4–16TOR	10–16TOR	10–16TOR	12–20TOR	12–25TOR
COL. SIZE	300X400	300X400	250X500	300X400	300X500	300X575	300X700	350X450/ 300X400	500X600/ 300X400
LINK	8 TOR @ 100C/C &REST PORTION 8 TOR @ 200 C/C	UPTO 1000 FROM SLAB TOP & BEAM SOFFIT							
COL MARKED	C1	C2	C3	C4	C5	C6	C7	C8	C9

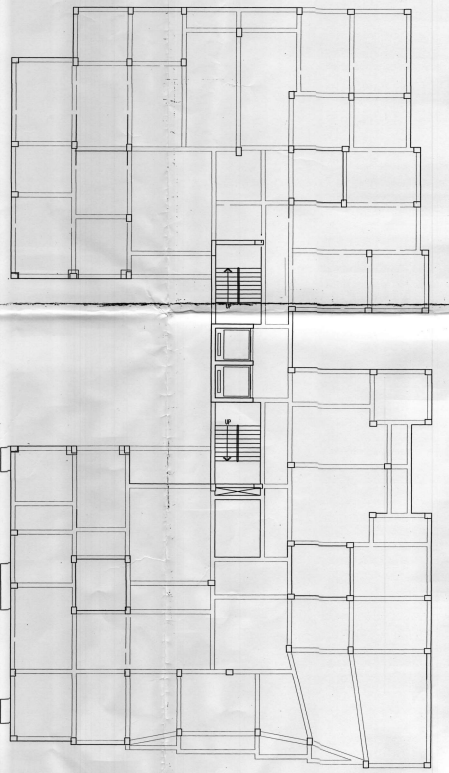
BEAM SCHEDULE

GRADE OF CONCRETE – M25

BEAM MKD.	BEAM SIZE		REINFT. AT SUPPT.		REINFT. AT SPAN		STIRRUPS AT SUPPORT	STIRRUPS AT SPAN
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM		
FB1	600	600	8–20TOR	8–20TOR	8–20TOR	8–20TOR	6L–10TOR@150C/C	6L–10TOR@150C/C
FB2	600	750	12–25TOR	14–25TOR	12–25TOR	14–25TOR	8L–10TOR@100C/C	8L–10TOR@150C/C
FB3	600	600	9–20TOR	9–25TOR	9–20TOR	9–25TOR	6L–10TOR@100C/C	6L–10TOR@100C/C

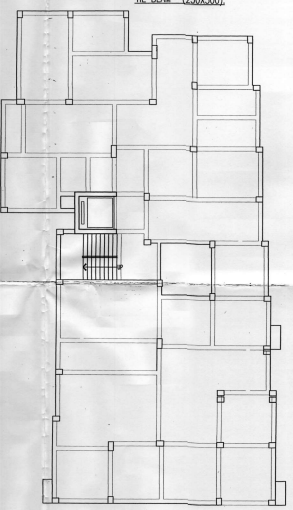


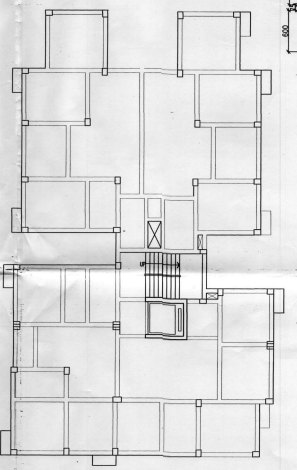
STRIP FOUNDATION LAYOUT

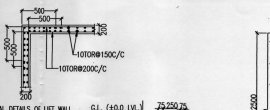


TIE BEAM LAYOUT

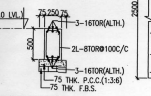
ALL TIE BEAMS ARE 250X500 UNLESS MENTIONED OTHERWISE



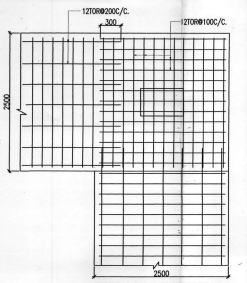




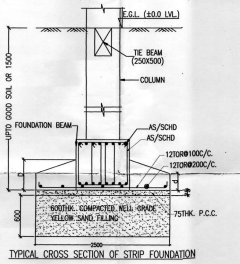
TYPICAL DETAILS OF LIFT WALL



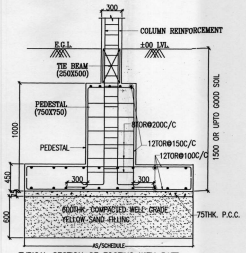
TYPICAL CROSS SECTION OF TIE BEAM– (250X500).



TYPICAL STRIP REINFT.DETAIL



TYPICAL CROSS SECTION OF STRIP FOUNDATION



TYPICAL SECTION OF FOOTING WITH RAFT

NOTES:–

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
3. ALL GRADE OF CONCRETE M25 UNLESS OTHERWISE MENTIONED.
4. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
5. FOR STEEL GRADE Fe 500 AS PER I.S 1786–1979.
6. LAPS, SPLICES & BOND LENGTH SHOULD BE 50D WHERE 'D' IS THE SMALLEST BAR DIA.
7. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASSBRICK IN 1:6 CEMENT MORTAR.
8. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. FOUNDATION BEAM & SLAB	50	50	50
b. COLUMN			40
c. FLOOR BEAM.	30	30	30
d. TIE BEAM.	30	30	30
e. FLOOR SLAB.	20	20	20

CERTIFICATE OF OWNER

1. I ENGAGED ARCHITECT AND E.S.E DURING CONSTRUCTION
2. I FOLLOWED THE INSTUCTIONS OF ARCHITECT AND E.S.E DURING CONSTRUCTION OF THE BUILDING.
3. B.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURESTABILITY OF BUILDING AND ADJOINING STRUCTURE.
4. IF ANY SUBMITED DOCUMENT IS FOUND TO BE FAKE THE K.M.C AUTHORITY MAY REVOKE THE SANCTION PLAN.
5. THE CONSTUCTION OF WATER RESERVOIR AND SEPTIC TANK EXECUTED UNDER THE GUIDENCE OF ARCHITECT & E.S.E

SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT. SOIL INVESTIGATION REPORT HAS BEEN DONE BY GEOTEST ENGINEERS PVT. LTD. (MR. ALOK ROY) (EMPANELLED NO– G.T. 11/ I) 6A, MILAN PARK, KOLKATA–700084. THE RECOMENDATION OF SOIL REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

SIGNATURE OF STRUCTURAL REVIEWER

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 ABUTING ROAD CONFIRM WITH THE PLAN AND IT IS A BUILD ABLE SITE AND NOT A TANK OR A FILLED UP TANK.

SIGNATURE OF ARCHITECT

ADDRESS:

PROJECT

PROPOSED G+IV (15.4M) STORIED RESIDENTIAL BUILDING AT PREMISES NO. 80–5/C, RAGHUNATHPUR, P.O. DEBIBANDH NAGAR , P.S. KHARIBA(NO–263 (C.S. KHATIAN NO.– 700), R.S. DAG NO.–470 (C.S. DAG NO.–447), R.S. DAG NO.–472, (C.S. DAG NO.–450), J.L. NO.– 8, TOUZI NO.– 3027, MOUZA: RAGHUNATHPUR, P.S(OLD): RAJARHAT , P.S(NEW): BAGUIHATI, DIST: NORTH 24 PARGANAS , KOLKATA:700 059 UNDER "SIDHANNAGAR MUNICIPAL CORPORATION"

TITLE

CORPORATION DRAWING
(FOUNDATION & TIE BEAM LAYOUT & DETAILS)

DATE – 01.05.2022	SCALE: 1:100,25
DRG. NO,	2022 / BAGUIHATI/CS-01/ R0