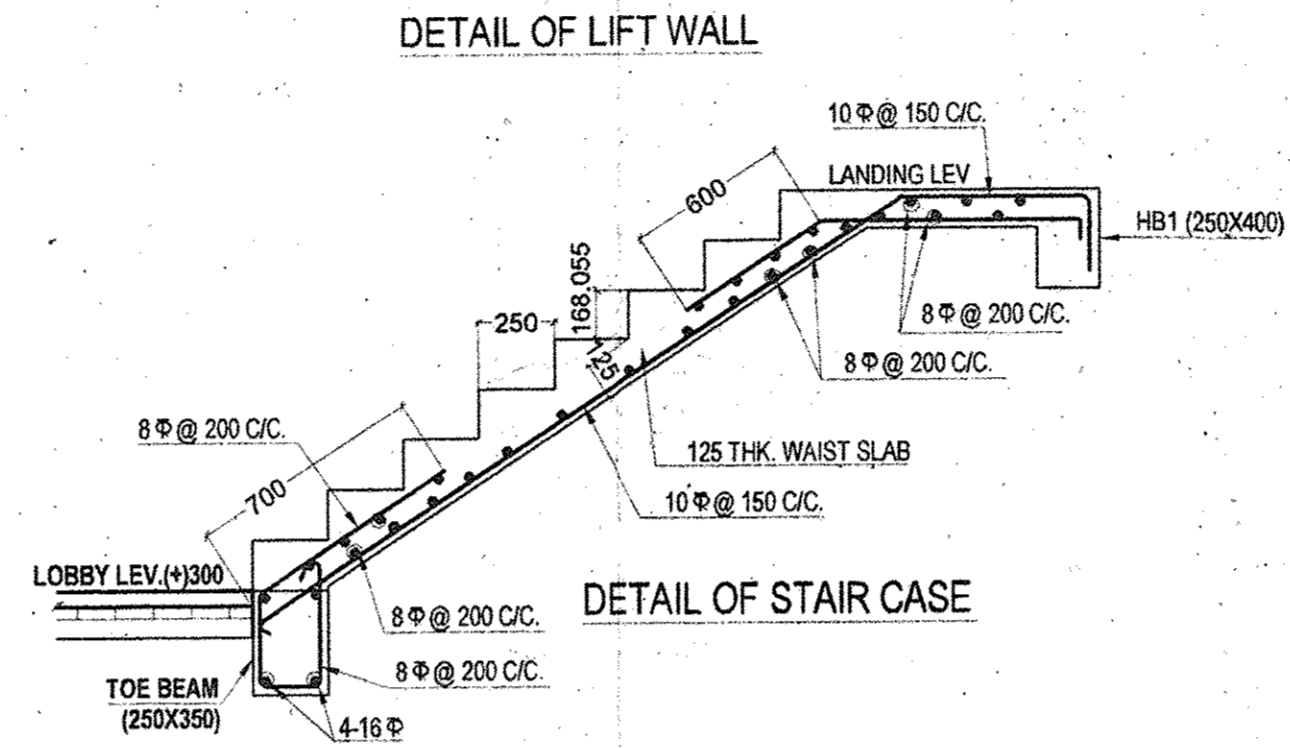
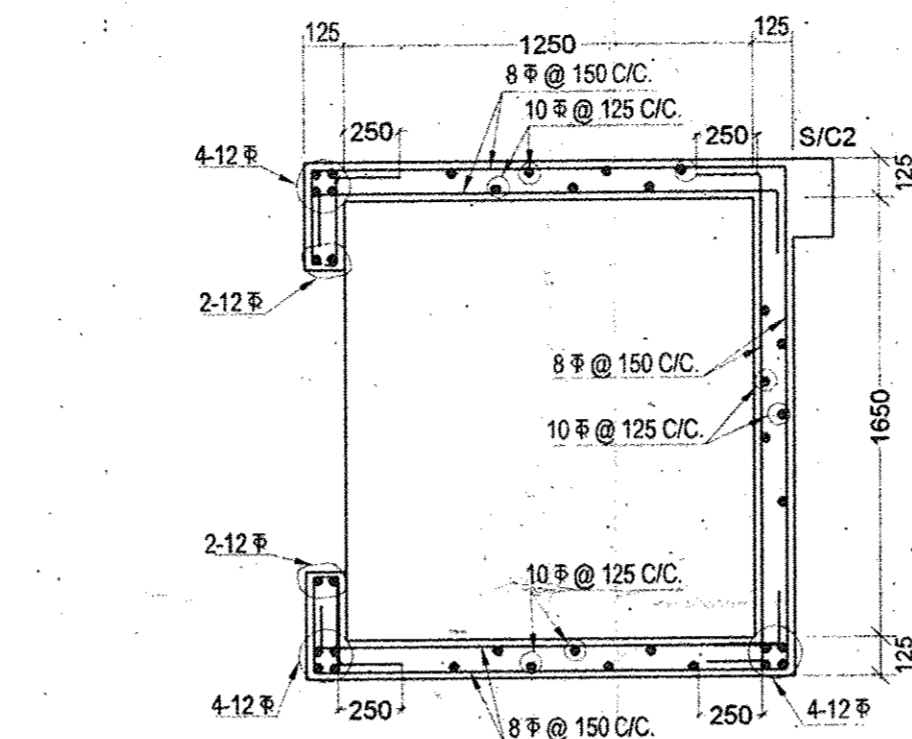


| SCHEDULE OF FLOOR BEAM | | | | | | |
|------------------------|-----------|-----------------------------|----------------|-------------|-----------------------------|------------------------|
| BEAM MARKED | BEAM SIZE | LONGITUDINAL REINFORCEMENT | | | | STIRRUPS |
| | | SUPPORT TOP | SUPPORT BOTTOM | SPAN TOP | SPAN BOTTOM | |
| B-1 | 250X400 | 2-16 Φ +2-16 Φ | 2-16 Φ | 2-16 Φ | 2-16 Φ +2-16 Φ | 8 Φ @ 150/200 C/C |
| B-2 | 250X400 | 2-16 Φ +2-16 Φ | 3-16 Φ | 2-16 Φ | 3-16 Φ +2-16 Φ | 8 Φ @ 150/200 C/C |
| B-2A | 250X450 | 2-16 Φ +3-20 Φ | 3-16 Φ | 2-16 Φ | 3-16 Φ +2-16 Φ | 8 Φ @ 125 C/C |
| B-3 | 250X500 | 3-20 Φ +2-25 Φ | 3-25 Φ | 3-20 Φ | 3-20 Φ +2-25 Φ | 8 Φ @ 150/200 C/C |
| B-3A | 250X500 | 3-20 Φ +2-25 Φ | 3-25 Φ | 3-20 Φ | 3-20 Φ +2-25 Φ | 8 Φ @ 125 C/C |
| BKT1 | 200X400 | 2-16 Φ | 2-16 Φ | 2-16 Φ | 2-16 Φ | 8 Φ @ 150 C/C |
| BKT2 | 125X400 | 2-12 Φ | 2-12 Φ | 2-12 Φ | 2-12 Φ | 6 Φ @ 150 C/C |
| HB1 | 250X400 | 2-12 Φ +2-12 Φ | 2-16 Φ | 2-12 Φ | 2-16 Φ +2-16 Φ | 8 Φ @ 200 C/C |

| SCHEDULE OF COLUMN (M-25 GRADE) | | | | | |
|---------------------------------|-----------|-----------------------------|-----------------------------|---------|---------|
| COLUMN MARKED | COL. SIZE | FOUNDATION TO 2ND FLOOR | 2ND FLOOR TO ROOF | LINKS | LINKS |
| C2,C3 | 250X400 | 4-20 Φ +4-16 Φ | 8-16 Φ | 200 C/C | 200 C/C |
| C6 | 250X600 | 10-20 Φ | 4-20 Φ +6-16 Φ | 200 C/C | 200 C/C |
| C5,C8,C9,C11,C12 | 250X400 | 8-25 Φ | 8-20 Φ | 200 C/C | 200 C/C |
| C1,C4,C7 | 300X400 | 8-25 Φ | 8-25 Φ | 200 C/C | 200 C/C |
| C10 | 300X600 | 10-20 Φ | 4-20 Φ +6-16 Φ | 200 C/C | 200 C/C |
| S/C2 | 250X250 | 4-16 Φ | 4-16 Φ | 200 C/C | 200 C/C |
| S/C1 (UP TO THE BEAM) | 250X250 | 4-16 Φ | | 200 C/C | |
| S/C3 (UP TO 1ST. FLOOR) | 250X250 | 4-16 Φ | | 200 C/C | |

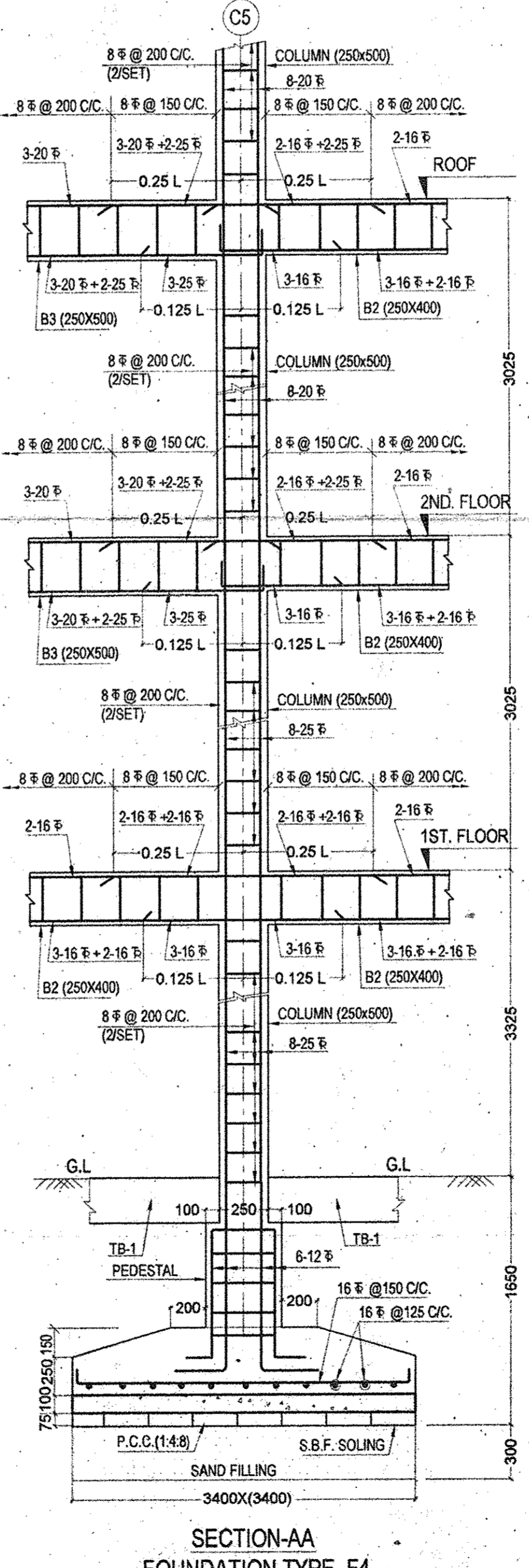
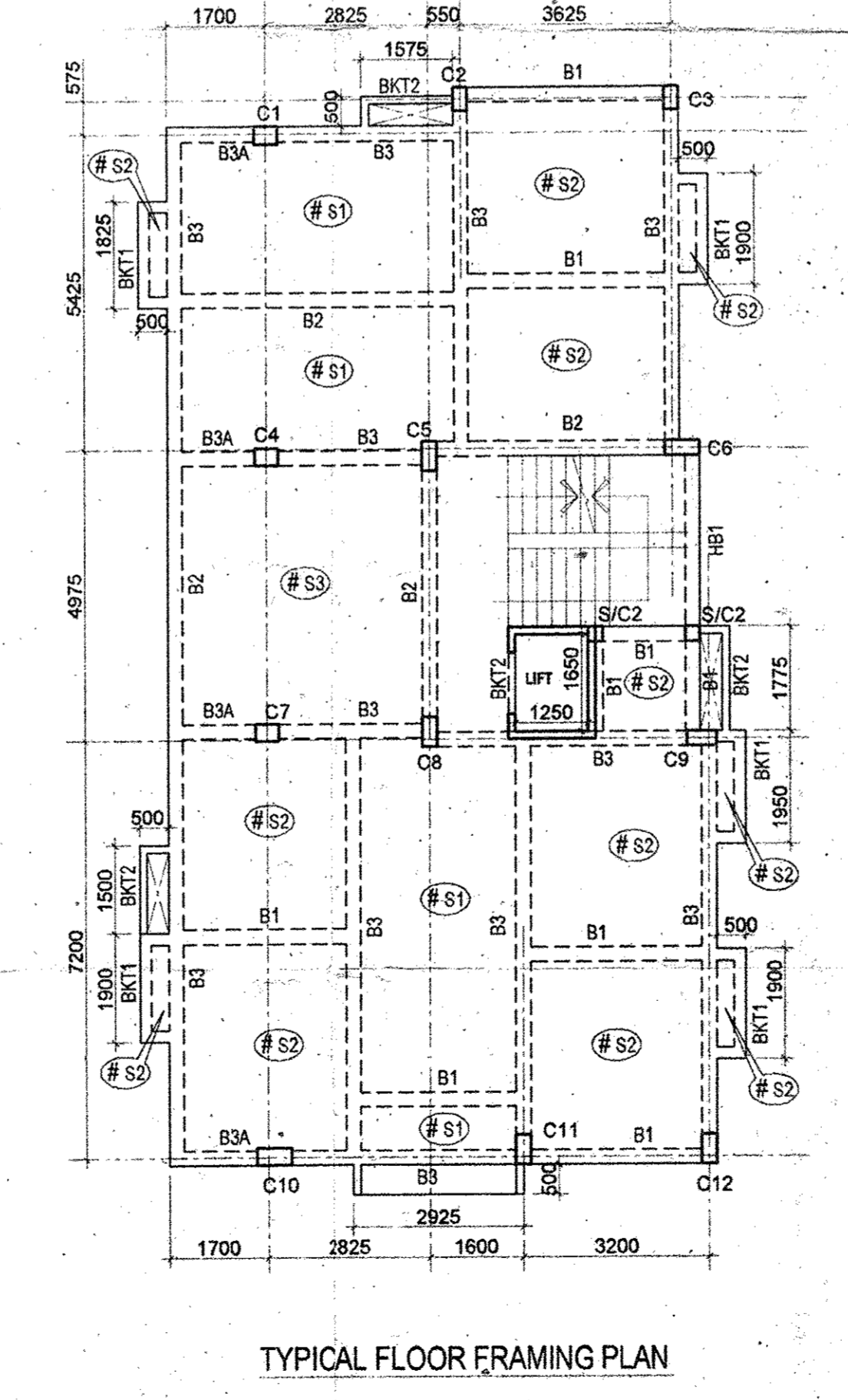
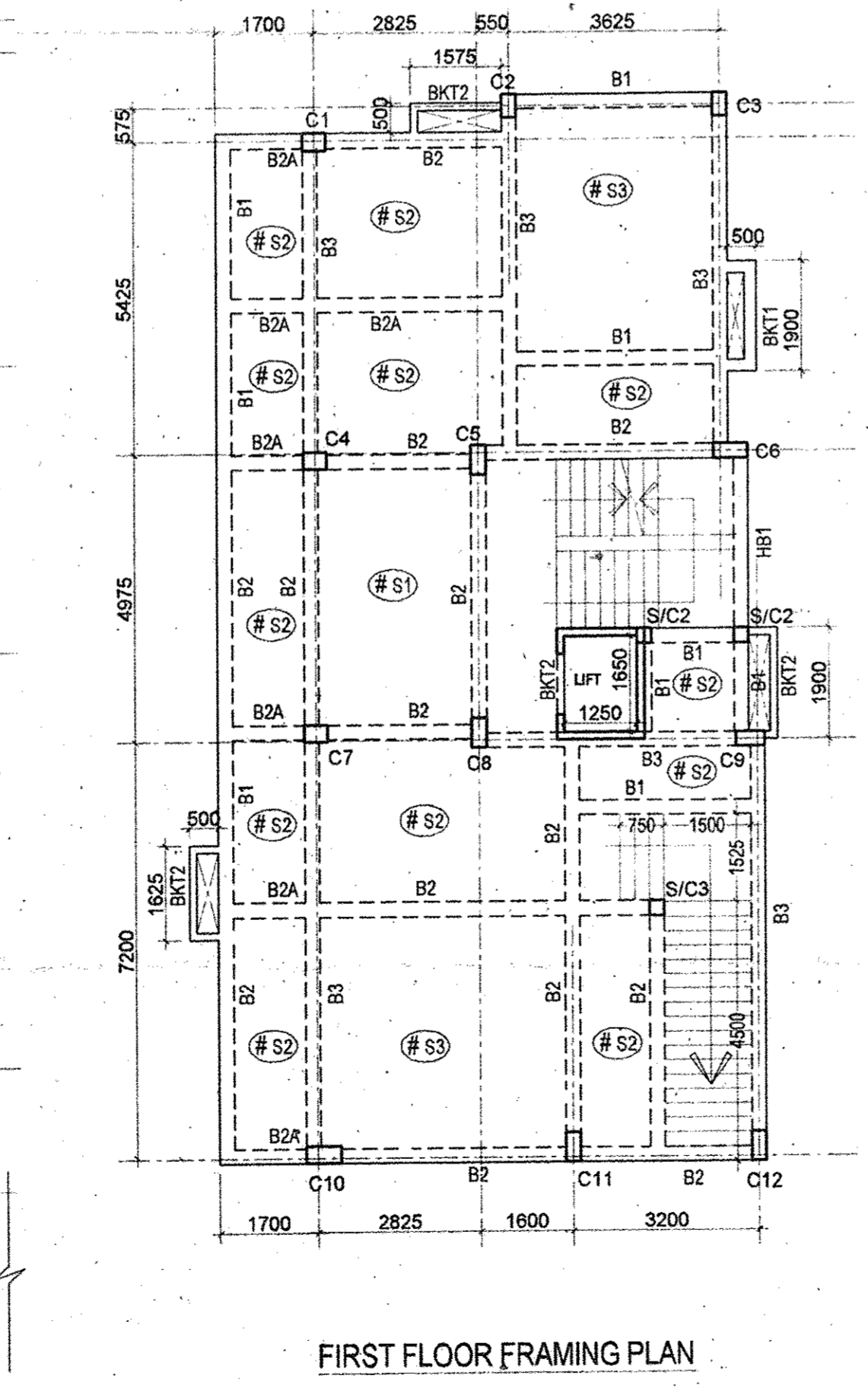
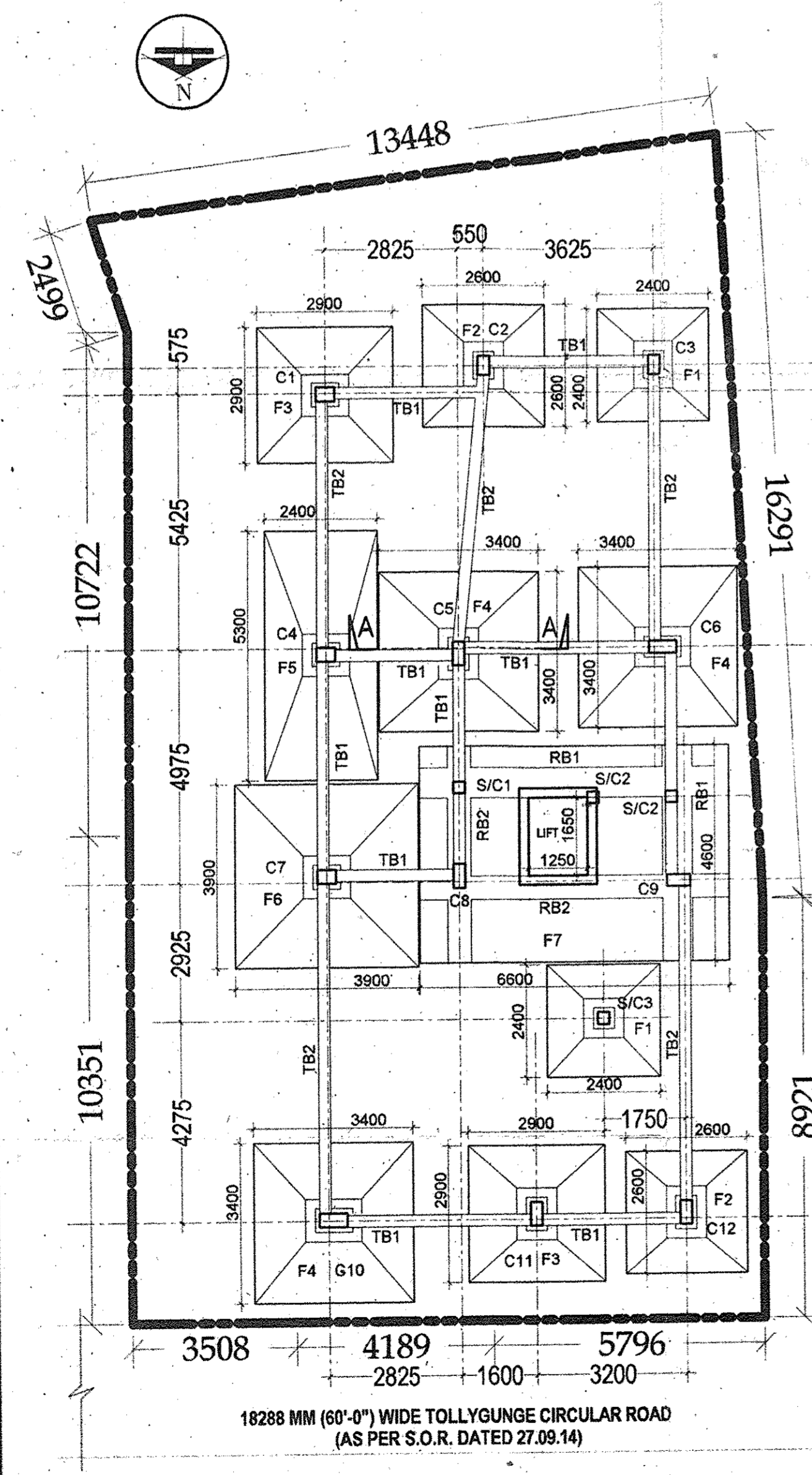
| SCHEDULE OF TIE BEAM & RAFT BEAM | | | | | | |
|----------------------------------|-----------|-----------------------------|----------------|-------------|-----------------------------|---------------------|
| BEAM MARKED | BEAM SIZE | LONGITUDINAL REINFORCEMENT | | | | STIRRUPS |
| | | SUPPORT TOP | SUPPORT BOTTOM | SPAN TOP | SPAN BOTTOM | |
| TB1 | 250X400 | 2-16 Φ +2-12 Φ | 2-16 Φ | 2-16 Φ | 2-16 Φ +2-16 Φ | 8 Φ @ 200 C/C |
| TB2 | 250X450 | 3-16 Φ +2-16 Φ | 3-16 Φ | 3-16 Φ | 3-16 Φ +2-16 Φ | 8 Φ @ 200 C/C |
| RB1 | 650X700 | 8-20 Φ | 8-20 Φ | 8-20 Φ | 8-20 Φ | 10 Φ @ 200 C/C |
| RB2 | 500X700 | 8-16 Φ | 8-16 Φ | 8-16 Φ | 8-16 Φ | 8 Φ @ 200 C/C |

| SCHEDULE OF FOUNDATION | | | | | |
|------------------------|-----------|---------------------|--|--|--|
| FDN MARKED | FDN. SIZE | FDN. SLAB THICKNESS | FOUNDATION SLAB REINFORCEMENT | | |
| | | | LONGER DIRECTION | SHORTER DIRECTION | STIRRUPS |
| F1 | 2400X2400 | 200 TO 350 | 12 Φ @ 125 C/C | 12 Φ @ 125 C/C | 12 Φ @ 125 C/C |
| F2 | 2600X2600 | 200 TO 400 | 12 Φ @ 100 C/C | 12 Φ @ 100 C/C | 12 Φ @ 100 C/C |
| F3 | 2900X2900 | 200 TO 400 | 16 Φ @ 150 C/C | 16 Φ @ 150 C/C | 16 Φ @ 150 C/C |
| F4 | 3400X3400 | 250 TO 400 | 16 Φ @ 125 C/C | 16 Φ @ 150 C/C | 16 Φ @ 150 C/C |
| F5 | 2400X5300 | 250 TO 450 | 16 Φ @ 100 C/C | 16 Φ @ 125 C/C | 16 Φ @ 125 C/C |
| F6 | 3900X3900 | 300 TO 450 | 16 Φ @ 100 C/C | 16 Φ @ 100 C/C | 16 Φ @ 100 C/C |
| F7 | 4600X6600 | 350 | 16 Φ @ 100 C/C (BOTT.) 12 Φ @ 200 C/C (TOP) | 16 Φ @ 100 C/C (BOTT.) 12 Φ @ 200 C/C (TOP) | 16 Φ @ 100 C/C (BOTT.) 12 Φ @ 200 C/C (TOP) |



NOTES:

- ALL DIMENSIONS ARE IN M.M.
- CONCRETE TO BE M-25 GRADE FOR COLUMN & M-20 FOR OTHERS CONCRETE
- CLEAR COVER FOR REINFORCEMENT AS FOLLOWS
A) FOUNDATION: 40mm
B) COLUMN: 40mm TO MAIN BAR
C) BEAM: 25mm TO MAIN BAR
D) SLAB: 20mm
- MINIMUM LAP LENGTH FOR REINFORCEMENT TO BE 50 TIMES DIAMETER OF BAR



MAIN CHARACTERISTICS OF THE PROPOSAL

PART - A

1. ASSESSE NO. 21092000177

2. DETAIL OF POWER OF ATTORNEY: NIL

3. NAME OF THE OWNER'S - SRI SUDDH MULLICK

4. DETAILS OF REGD TITLE DEED -
A) BOOK NO. 1 VOL. NO. 20 PAGE NO. 2742 TO 2753 BEING NO. 94550 DATE : 24.07.2009
REGD AT : A.D.S.R. ALIPORE.

5. DETAILS OF REGD BOUNDARY DECLARATION -
BOOK NO. 1 VOL. NO. 8 PAGE NO. 1023 TO 1041 BEING NO. 01681 DATE : 09.03.2010
REGD AT : A.D.S.R. ALIPORE.

PART - B

1. AREA OF LAND - AS PER TITLE DEED = 4K-13CH-25SFT = 324.229 SQM.
AS PER BOUNDARY DECLARATION = 4K-13CH-25SFT = 324.229 SQM.
AS PER U.L.C. = N.A.

2. NET AREA OF LAND - 324.229 SQM

3. PERMISSIBLE GROUND COVERAGE - 55.859% = 181.111 SQM

4. PROPOSED GROUND COVERAGE - 51.335% = 166.442 SQM

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN AND DRAWING OF THE BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL THE POSSIBLE LOADS INCLUDING SEISMIC LOADS AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

SOIL TESTING REPORT HAS BEEN DONE BY DR. S.K. CHAKRABORTY OF M/S APEX SOLUTIONS OF "Sheha Neer Apartment" H.I.T. Road, P.O. Santragachi, Howrah - 711 104, THE RECOMMENDATION OF SOIL REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

Joydeep Mukherjee
B.E. (Civil), E.S.E.
-395 (II)
SIG. OF STRUCTURAL ENGINEER

DECLARATION OF L.B.S./ARCHITECT.

I CERTIFIED WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN AS PER PROVISION OF K.M.C. BUILDING RULES 2009 AS AMENDED FROM TIME TO TIME AND THE SITE CONDITION INCLUDING WIDTH OF THE ABUTTING ROAD - 18288 MM 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 IS DEMARCATED BY BOUNDARY WALL.

Arjun Pal
Arjun Pal (B. Arch.)
Registered Architect
Regn. No. - CA/2010/47578
SIG. OF L.B.S./ARCHITECT.

DECLARATION OF OWNER

I/WE DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT

- I/WE SHALL ENGAGE L.B.S. & E.S.E. DURING CONSTRUCTION.
- I/WE SHALL FOLLOW THE INSTRUCTION OF L.B.S. & E.S.E. DURING CONSTRUCTION OF THE BUILDING (AS PER B.S. PLAN)
- K.M.C. AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITIES OF THE BUILDING & 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 & SEPTIC TANK WILL BE UNDER THE GUIDANCE OF L.B.S./E.S.E. BEFORE STARTING OF THE BUILDING FOUNDATION WORK.

Suddh mullick
SIGNATURE OF OWNER

PROPOSED G+IV STORIED [15.425 MT] RESIDENTIAL BUILDING AT PREMISES NO. 16, UPENDRA KRISHNA MONDAL LANE, UNDER K.M.C. WARD NO. 89, BOROUGH NO. X, P.S.- CHARU MARKET, KOLKATA - 700 033.

syn tech engg pvt. ltd.
(redefining synergy technologies)
ARCHITECTS, ENGINEERS, INTERIOR DESIGNERS, LANDSCAPE
307, Laxmi Gardens Kolkata - 700 045, Tel. : 91-33-2622-7811, 91-33-6961-4587
e-mail: synenggtechnology@gmail.com www.synenggtechnology.com

STRUCTURAL SHEET @ 17.02.15 SCALE: 1:100, 1:25
REV. DESCRIPTION

PARTY'S COPY

Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 2014100234 Date: 24.02.15 in record of the Kolkata Municipal Corporation without verification of 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.

[Signature]
EXECUTIVE ENGINEER/ASST. ENGINEER
BOROUGH NO. 22

174/Part-2/14-15
21 FEB 2015
Parach-2