

STRUCTURAL DRAWING FOR PROPOSED G-FOUR STORED
RESIDENTIAL BUILDING PLAN U/R-142 OF BUILDING RULE 2009
AT PREMISES NO. 15, ANJUMAN ARA BEGUM ROW IN WARD NO. -
94, BOROUGH - X, P.S. - JADAVPUR, KOLKATA - 700033

NOTES & SPECIFICATIONS

- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
- GRADE OF CONCRETE M20 AND GRADE OF STEEL FE415.
- CENTER LINE GIVEN HERE ARE BEAM C/L ONLY.
- IN CASE OF ANY DISCREPANCY IN DWG. REFER TO ARCHITECT.
- FOUNDATION - 1) BOTTOM COVER-50MM. SHOULD BE MAINTAINED.
- 2) SIDE COVER-75MM.
- 3) COLUMN - CLEAR COVER - 40MM.
- 4) BEAM - 1) TOP-25MM, 2) BOTTOM-25MM, 3) SIDE-15MM.
- 5) SLAB - 1) BOTTOM-15MM, 2) SIDE-15MM.
- EXTRA TOP REINFORCEMENT:-
 - 0.25X/C DISTANCE OF DISCONT. SUPT.
 - EXTRA TOP REINFORCEMENT:-
 - 0.25X/C DISTANCE OF CONT. SUPT.
 - EXTRA BOTTOM REINFORCEMENT:-
 - 0.10X/C DISTANCE OF DISCONT. SUPT.
 - EXTRA BOTTOM REINFORCEMENT:-
 - 0.15X/C DISTANCE OF CONT. SUPT.
 - SLAB:-
 - 1) TOP CURTAILMENT OF BAR:- 0.10X/C DISTANCE OF DISCONTINUOUS EDGE
 - 2) TOP CURTAILMENT OF BAR:- 0.15X/C DISTANCE OF CONTINUOUS EDGE
 - 3) BOTTOM CURTAILMENT OF BAR:- 0.15X/C DISTANCE OF DISCONT. EDGE
 - 4) BOTTOM CURTAILMENT OF BAR:- 0.25X/C DISTANCE OF CONT. DGE.
 - 5) EXTRA TOP CURTAILMENT OF BAR:- 0.30X/C DISTANCE OF CONT. EDGE.
 - BOND/LAP LENGTH FOR REINFORCEMENT-50D.
 - FOUNDATION DEPTH SHOULD BE MAINTAINED 1200MM. FROM ORIGINAL SOIL.

STRUCTURAL ENGINEER DECLARATION:-

THE STRUCTURAL DESIGN AND DRAWING BOTH OF FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOAD INCLUDING THE SEISMIC LOAD AS PER MATERIAL, BUILDING CODE OF INDIA AND CERTIFYING THAT IT IS SAFE AND STABLE IN ALL RESPECT. THE SOIL TEST HAS BEEN REQUIRED FOR THIS PROPOSAL.

S. B. Bhattacharyya

S. B. Bhattacharyya
B.E. (Civil)
ESE-116/11

SAKTI BRATA BHATTACHARYYA
E.S.E.-1/116 (K.M.C.)
SIGNATURE OF E.S.E.

L.B.S. DECLARATION:-

CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULE 2009 AS AMENDED FROM TIME TO TIME AND THE SITE CONDITION INCLUDING THE WIDTH OF ADJOINING 3.75 M. ROAD ON THE EAST SIDE OF THE PREMISES CONFORMS WITH THE PLAN, WHICH HAS BEEN MEASURED AND VERIFIED BY ME. IT IS RELIABLE SITE AND NOT A TANK OR FILLED UP LAND. THE LAND IS BOUNDARIED BY BOUNDARY WALL. THE CONSTRUCTION OF U.G. WATER TANK WILL BE COMPLETED BEFORE STARTING OF THE BUILDING FOUNDATION WORK.

Nababrat Ghosh

NABABRATA GHOSH

Architect

Regd. No. - CA/2003/31759

NABABRATA GHOSH

ARCHITECT

REGD. NO. - CA/2003/31759

SIGNATURE OF L.B.A.

OWNERS DECLARATION:-

WE DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT WE SHALL ENGAGE THE L.B.S. & E.S.E. DURING CONSTRUCTION WE SHALL FOLLOW THE INSTRUCTION OF L.B.S. & E.S.E. DURING CONSTRUCTION. CONSTRUCTION OF THE BUILDING (AS PER B.S. PLAN) K.M.C. AUTHORITY WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURE. 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 GUIDANCE OF L.B.S. AND E.S.E. BEFORE STARTING OF THE BUILDING FOUNDATION

MD. Saikat Ali Meherunnisha Bibi

DIRECTOR OF QUAYSH INFRA

SOLUTION PRIVATE LIMITED

And Constituted Attorney of

1) KANAKA DEY (2) ANASUA SEN

3) PRIYABADA DUTTA (4) DEBKUMAR MULLICK

5) SUPRATIM SEAL (6) ANITA DEY (7) ANITA ROY

8) HASI DEY (9) MOUMITA MUKHERJEE

10) NILOY DUTTA (11) SUMITA DUTTA

12) SUDIPTA DUTTA (13) SWARUP DEY

14) SIDDHARTHA DEY (15) SANTANU KUMAR DEY

16) SATAPA DEY

MD. SHARUL ALI & MEHERUN NISHA BIBI AS

DIRECTOR OF MS. QUAYSH INFRA SOLUTION PRIVATE

LIMITED AND CONSTITUTED ATTORNEY OF ANITA ROY, HASI

DEY, ANITA DEY, KANAKA DEY, ANASUA SEN, PRIYABADA

DUTTA, SUMITA DUTTA, SUDIPTA DUTTA, SATAPA DEY,

SIDDHARTHA DEY, SANTANU DEY, SUPRATIM SEAL, SWARUP

DEY, MOUMITA MUKHERJEE, NILOY DUTTA & DEBKUMAR

MULLICK

SIGNATURE OF OWNER

DECLARATION OF GEO-TECHNICAL ENGINEER:-

Kallol K. Ghoshal

Kallol K. Ghoshal B.E. (Civil), M.E.

Geo Technical Engineer

KMC Empanment No. G.T./1/49

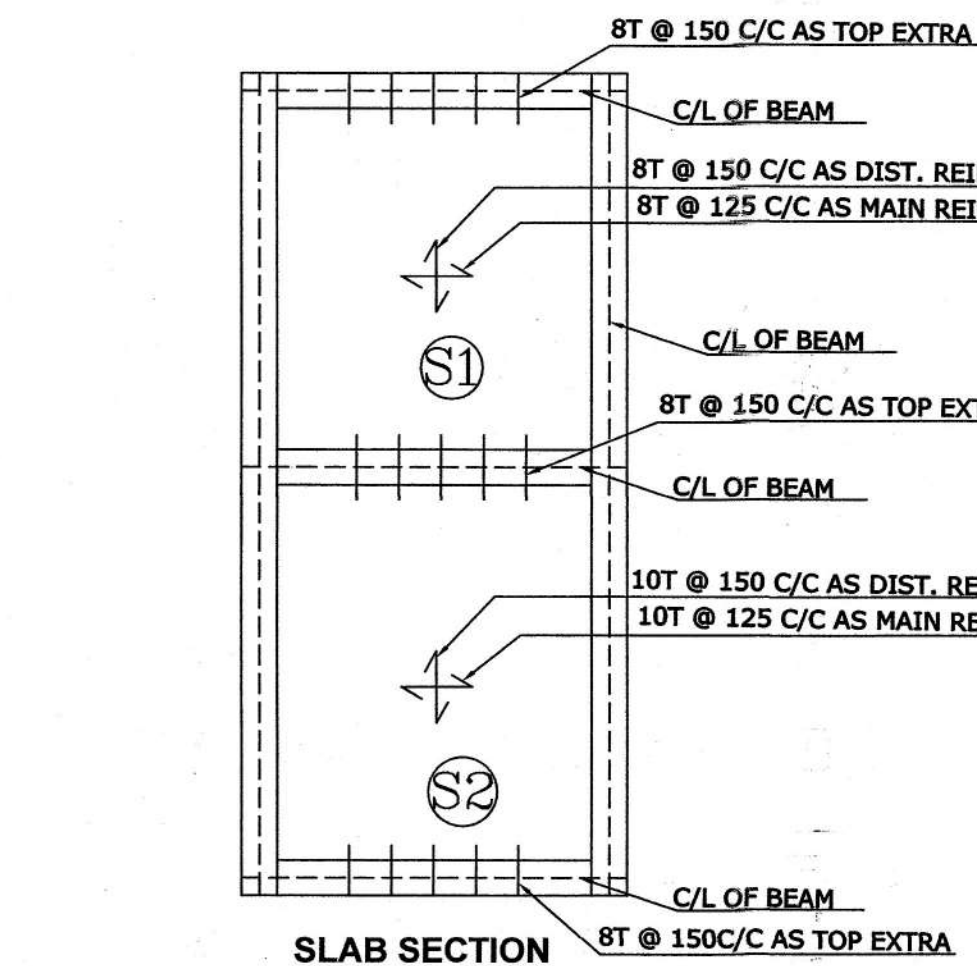
KALLOL KUMAR GHOSHAL

G.T.E. NO.-149 OF K.M.C.

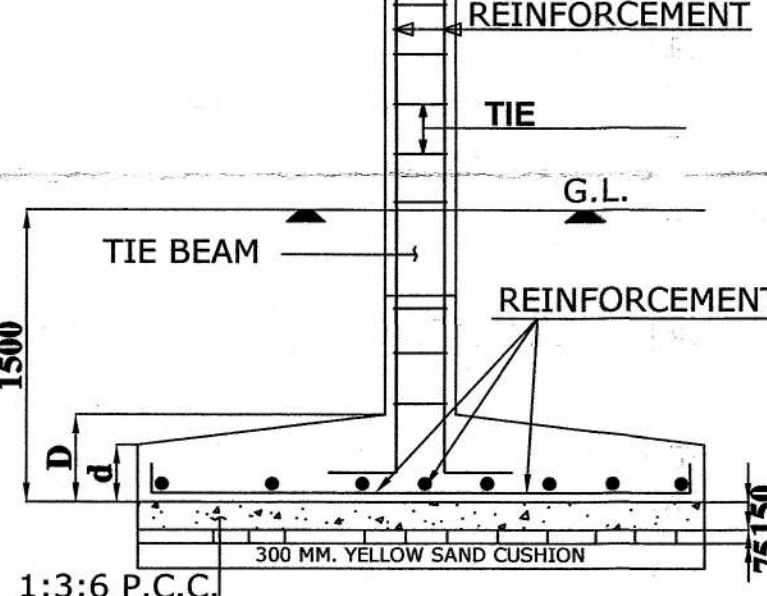
SIGN. OF GEO-TECHNICAL ENGINEER



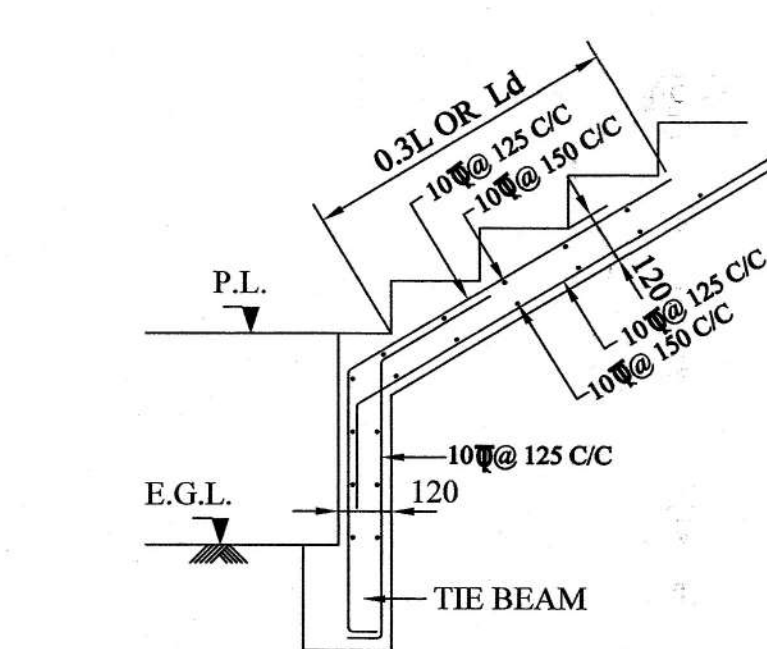
REINFORCEMENT DETAILS OF STAIR (TYP.)



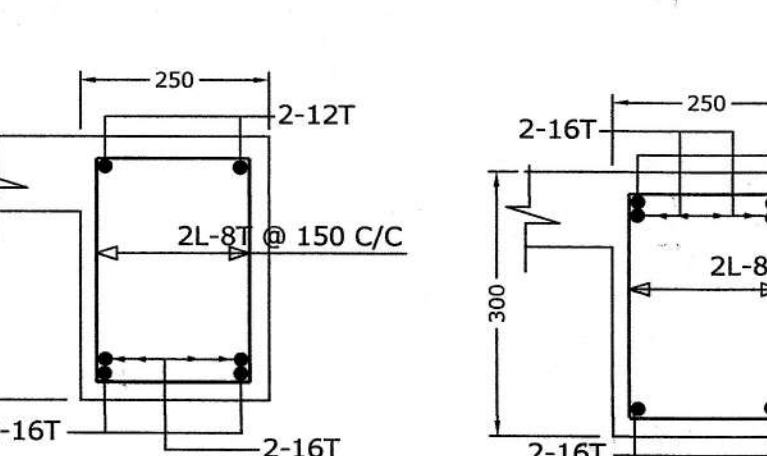
REINFORCEMENT



DETAILS OF ISOLATED FOOTING



R.C.C. DET. OF STARTING OF STAIR



SPAN:- SEC:1-1

AT SUPPORT:- SEC:2-2

DRAWN BY :- B.K.

FOUNDATION SCHEDULE

| FDN MKD | FDN. UNDER COLUMN | FDN. SIZE L1X L2 (mm. x mm.) | d (mm.) | D (mm.) | REINFORCEMENT |
|---------|--------------------|------------------------------|---------|---------|------------------------------------|
| (F1) | C1, C17, C20 | 2500X2500 | 200 | 400 | 12 T @ 125 c/c (B/W) |
| (F2) | C2, C19 | 3200X3200 | 200 | 450 | 16 T @ 150 c/c (B/W) |
| (F3) | C3 | 2600X2600 | 200 | 400 | 12 T @ 125 c/c (B/W) |
| (F4) | C4, C14 | 2700X2700 | 200 | 400 | 12 T @ 110 c/c (B/W) |
| (F5) | C5+C6 | 6475X3400 | 450 | | 12 T @ 110 c/c (B/W) IN TWO LAYERS |
| (F6) | C7, C16 | 3100X3100 | 200 | 450 | 16 T @ 150 c/c (B/W) |
| (F7) | C8+C10+C11+C12+C13 | AS PER DWG. | 450 | | 12 T @ 150 c/c (B/W) IN TWO LAYERS |
| (F8) | C9 | 2650X3300 | 200 | 450 | 16 T @ 150 c/c (B/W) |
| (F9) | C15 | 2800X2800 | 200 | 400 | 12 T @ 110 c/c (B/W) |
| (F10) | C16 | 3300X2900 | 200 | 450 | 16 T @ 150 c/c (B/W) |
| (F11) | C18 | 2400X2400 | 200 | 400 | 12 T @ 125 c/c (B/W) |

SLAB SCHEDULE

| SLAB THICK MKD. | NESS | MAIN REINF. DISTRIBUTION | REINFORCEMENT |
|-----------------|---------|--------------------------|---------------|
| (S1) | 110 MM. | 8 T @ 125 c/c | 8 T 150 c/c |
| (S2) | 120 MM. | 10 T @ 125 c/c | 10 T 150 c/c |

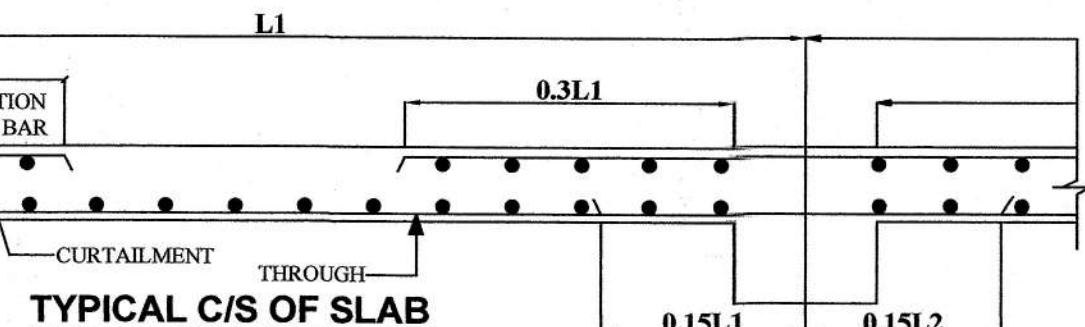
PROVIDE 8T 150 c/c AT EDGES AS EXTRA TOP PROVIDE 8T 150 c/c AT EDGES AS EXTRA TOP

BEAM SCHEDULE

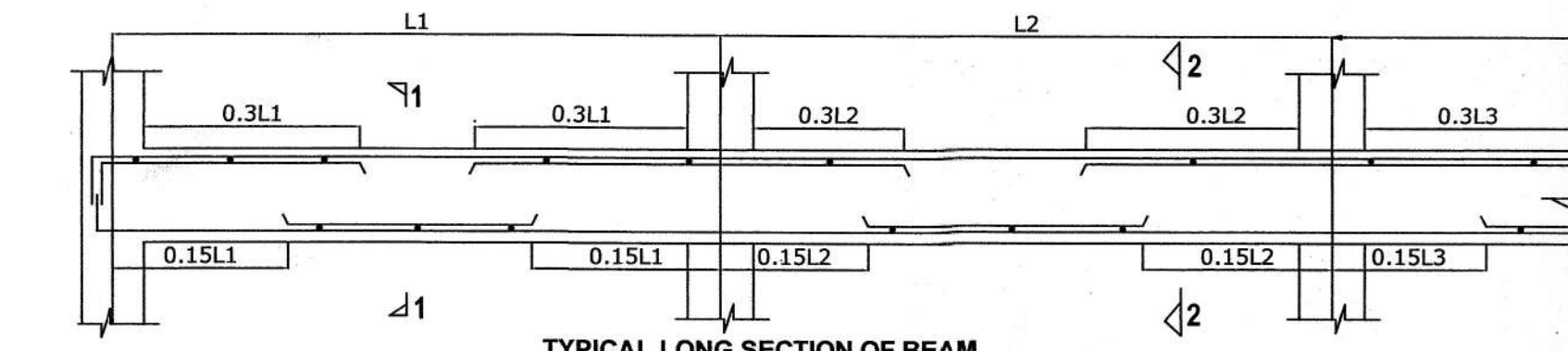
| BEAM MKD. | SECTION | REINF. (SUPPORT) TOP BOTTOM | REINF. (SPAN) TOP BOTTOM | STIRRUPS |
|---------------|---------|-----------------------------|--------------------------|-----------------|
| B1 | 250X350 | 3-12T 2-16T | 3-12T 5-16T | 2L-8T @ 150 c/c |
| B2 | 250X300 | 2-16T | 2-12T 4-16T | 2L-8T @ 150 c/c |
| B3 | 250X400 | 3-16T 2-16T | 3-16T 5-16T | 2L-8T @ 150 c/c |
| B4 | 250X450 | 3-16T 2-16T | 3-16T 6-16T | 2L-8T @ 150 c/c |
| B4A | 250X450 | 3-16T 2-16T | 3-16T 5-16T | 2L-8T @ 150 c/c |
| B1A | 125X300 | 3-16T | 3-16T | 2L-8T @ 150 c/c |
| B1C | 250X450 | 6-16T | 6-16T | 2L-8T @ 150 c/c |
| ALL TIE BEAMS | 250X350 | 3-12T 2-12T | 3-12T 5-12T | 2L-8T @ 150 c/c |

COLUMN SCHEDULE

| COLUMN MKD. | SECTION | REINFORCEMENT | TIE |
|--------------------------------|---------|---------------|-----------------|
| C2, C7, C9, C11, C12, C16, C19 | 250X450 | 10-16T | 2L-8T @ 150 c/c |
| C13 | 250X500 | 12-16T | 2L-8T @ 150 c/c |
| C5, C8, C10 | 250X500 | 8-20T + 4-16T | 2L-8T @ 150 c/c |
| ALL OTHERS | 250X400 | 8-16T | 2L-8T @ 150 c/c |

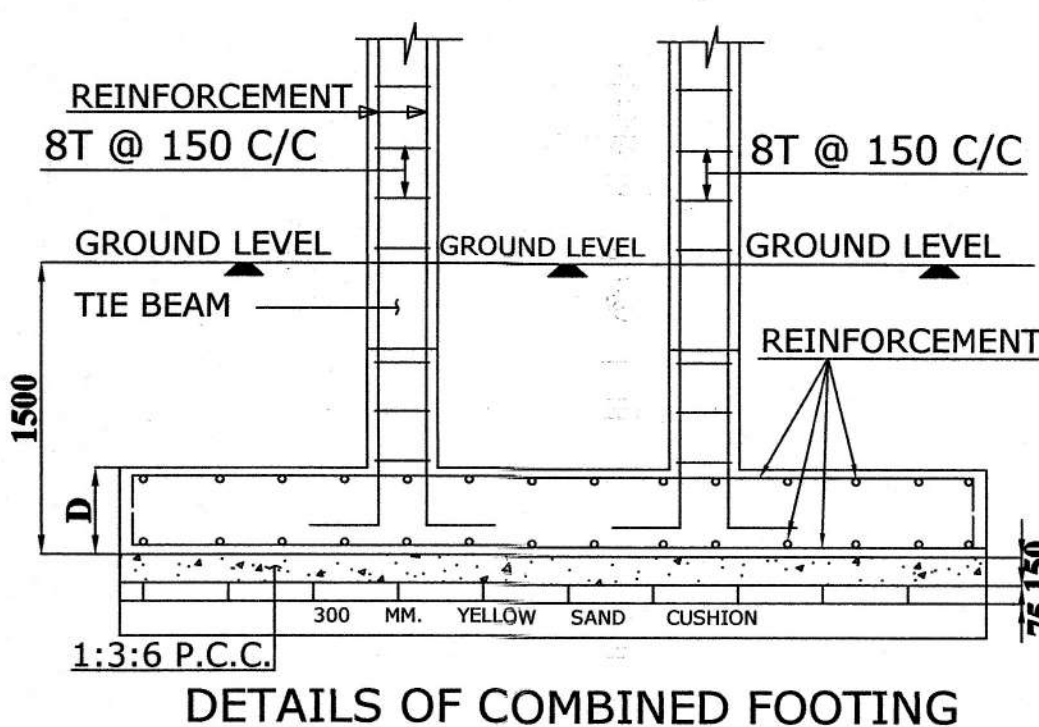


TYPICAL C/S OF SLAB

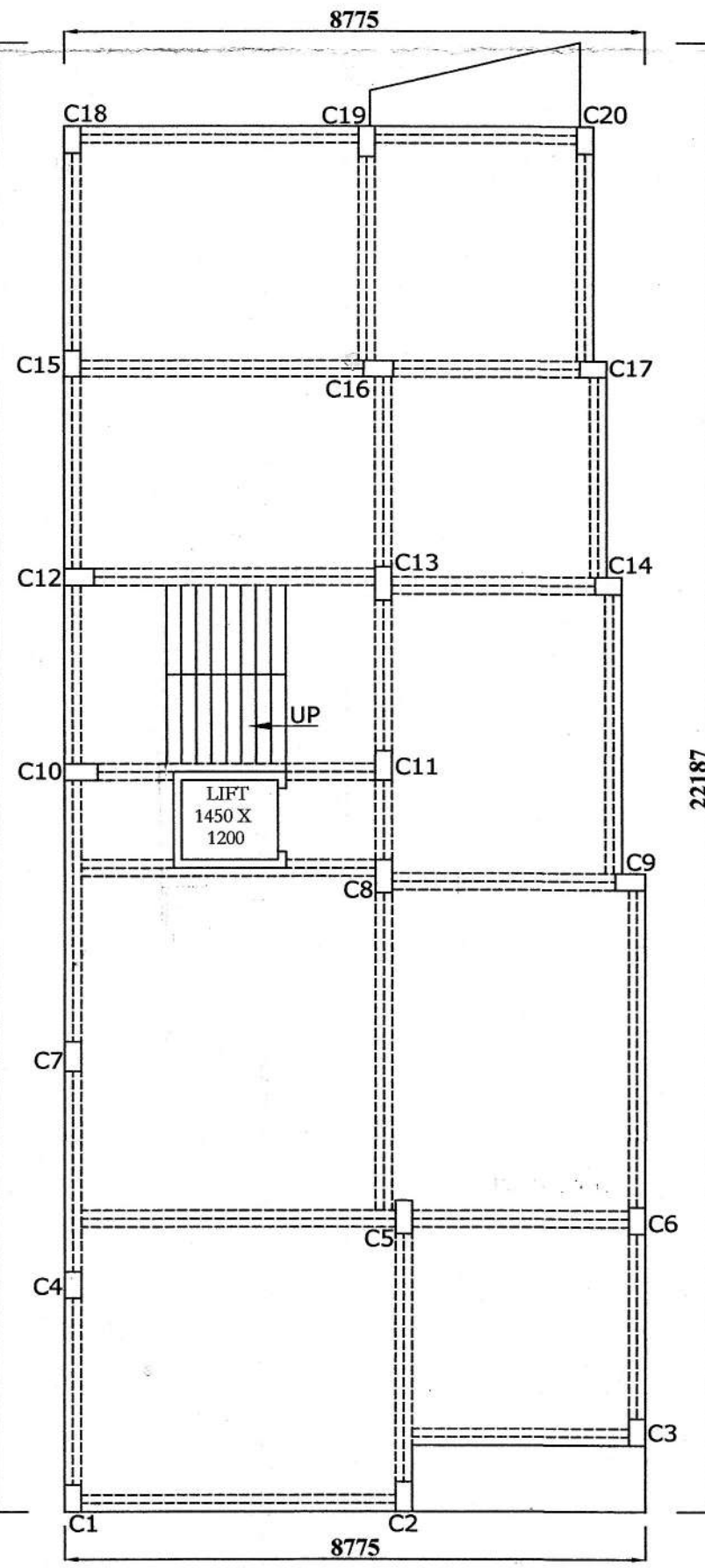


TYPICAL LONG SECTION OF BEAM

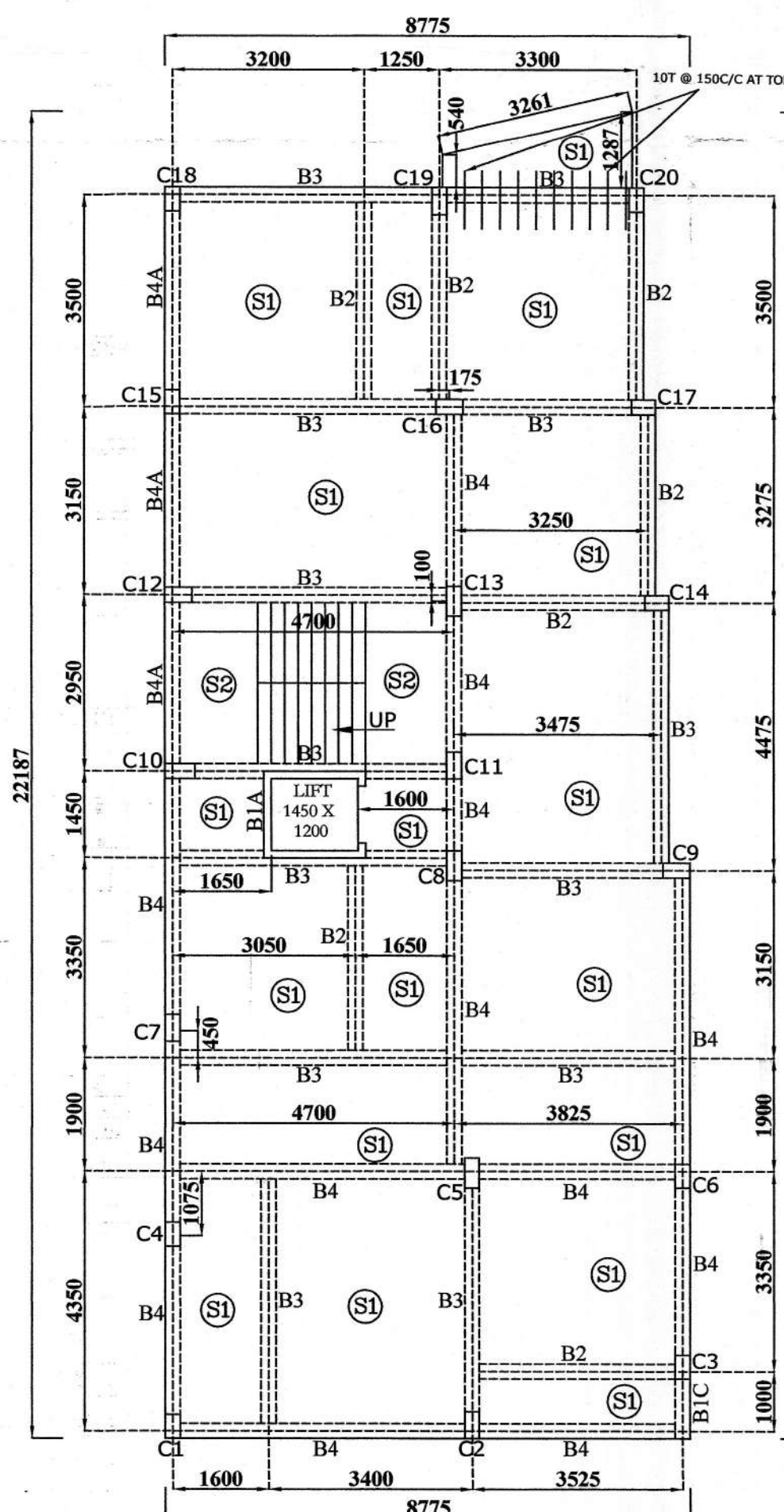
DET. OF COMB. FOOTING & LIFT WELL FOUND. MKD.



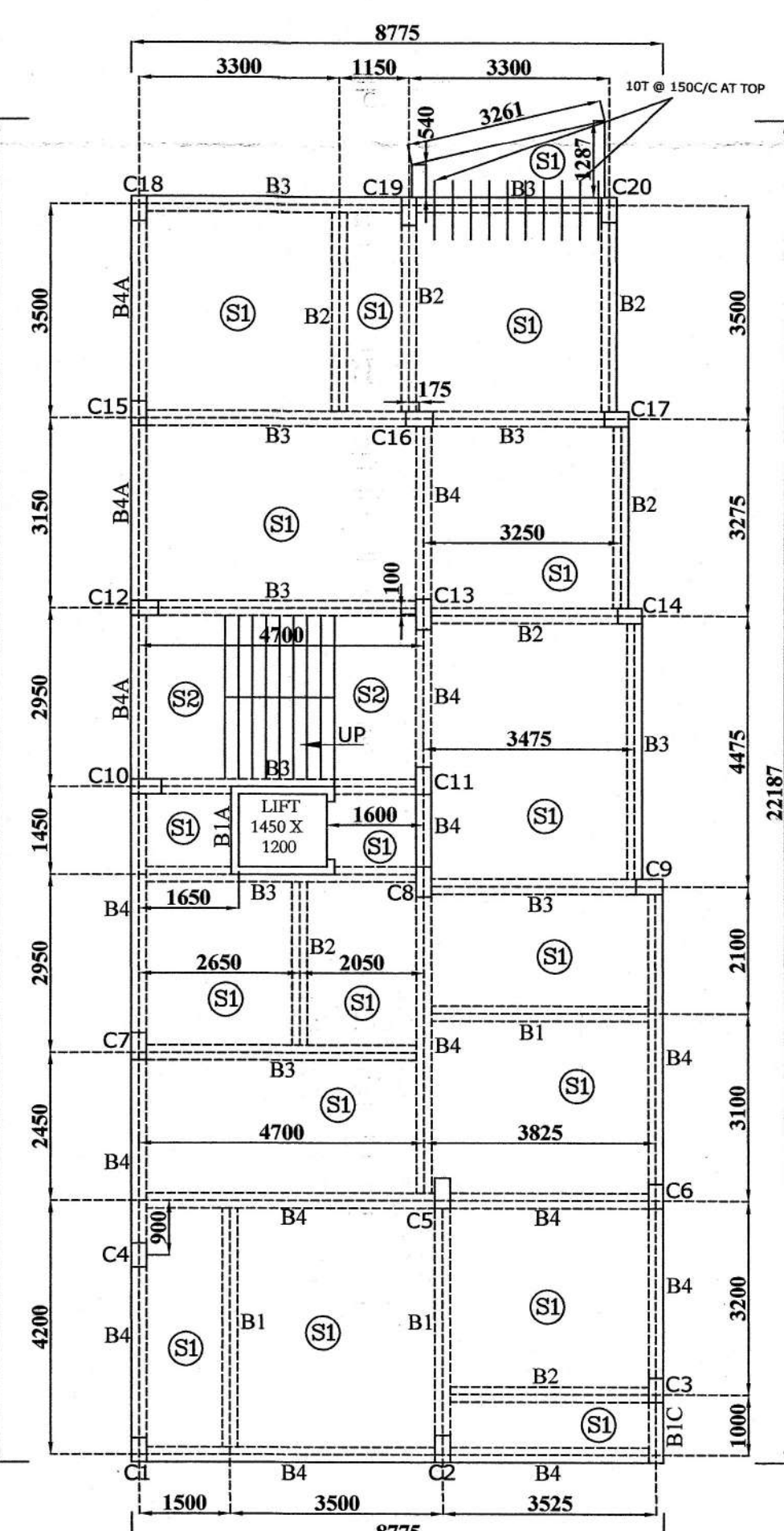
DETAILS OF COMBINED FOOTING



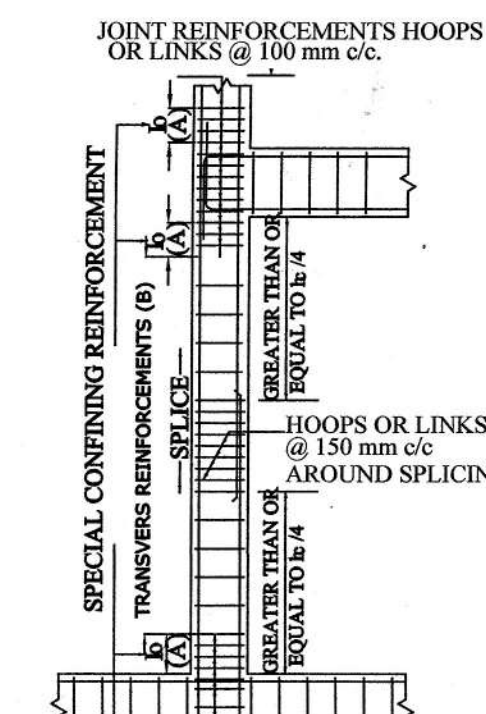
TIE BEAM AT GROUND LEVEL



3RD FLOOR SLAB & BEAM LAYOUT PLAN

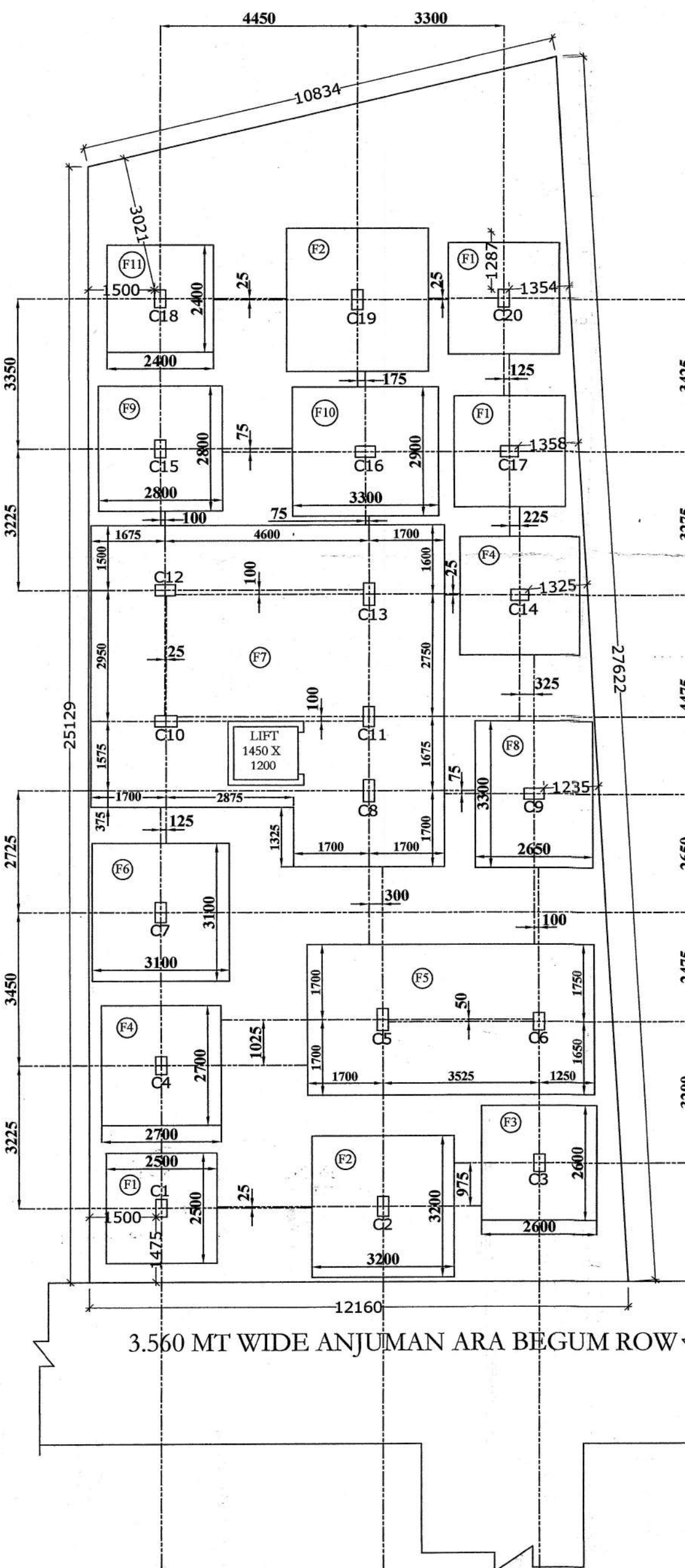


1ST, 2ND & 4TH FLOOR SLAB & BEAM LAYOUT PLAN



COLUMN AND JOINT DETAILING

SPL. NOTES:-
1) THE LENGTH 'L' SHALL NOT BE LESS THAN EITHER FOLLOWING (a) LARGER LATERAL DIMENSION OF THE MEMBER AT THE SECTION.
(b) 1/6 OF CLEAR SPAN OF THE MEMBER.
AND (c) 450 mm.



FOUNDATION LAYOUT PLAN

CERTIFIED COPY

CERTIFIED COPY

Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 2020100054 Date 16.09.2020 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.

sd
EXECUTIVE ENGINEER/ASST. ENGINEER
BOROUGH NO. 8

KOLKATA MUNICIPAL CORPORATION
BUILDING DEPARTMENTS
CERTIFIED COPY OF B.S. PLAN
No. 2020100054 Dt. 16.09.2020
Borough No. 8
Assistant Engineer
Executive Engineer

