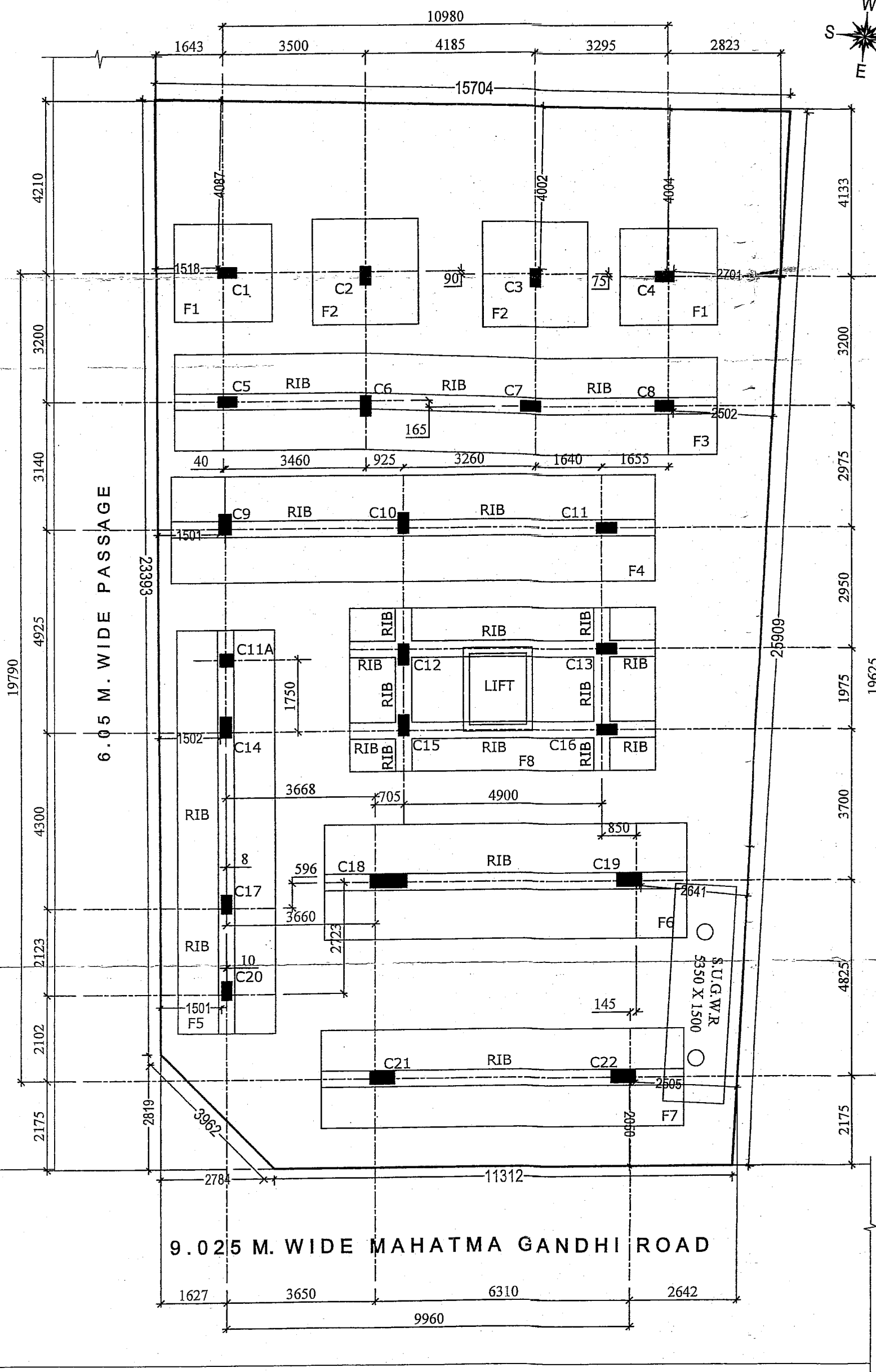


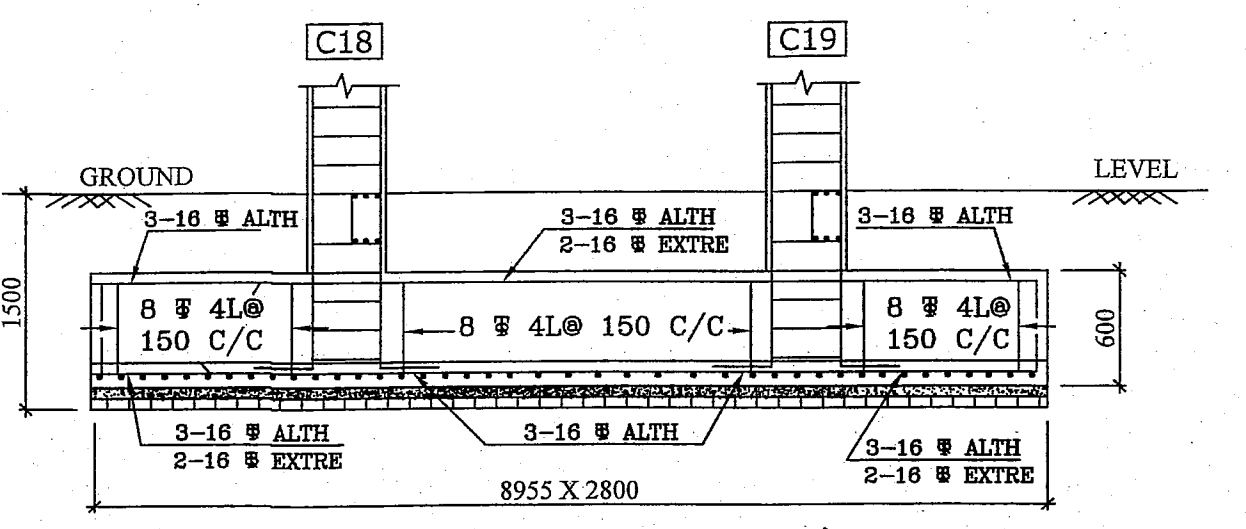
| SCHEDULE OF FOUNDATION | | | | | |
|---|--------------------|---------------------|-------------------------|----------|------------------------|
| DEPTH OF FOUNDATION = 1500 M. BELOW EXT. G.L. | | | | | |
| FOUNDATION MARKED | TYPE OF FOUNDATION | UNDER COLUMN | LENGTH(m) | WIDTH(m) | THICKNESS OF SLAB (MM) |
| F-1 | ISOLATED FOOTING | C-1, C-4 | 2400 | 2400 | 350 TO 200 |
| F-2 | | C-2, C-3 | 2600 | 2600 | 350 TO 200 |
| F-3 | STRIP FOOTING | C-5, C-6, C-7 & C-8 | 13380 | 2400 | 350 TO 200 |
| F-4 | | C-9, C-10 & C-11 | 11935 | 2600 | 350 TO 200 |
| F-5 | | C-14, C-17 & C-20 | 9850 | 2400 | 350 TO 200 |
| F-6 | | C-11A | 8955 | 2800 | 350 TO 200 |
| F-7 | | C-21 & C-22 | 8960 | 2400 | 350 TO 200 |
| F-8 | | COMBINED FOOTING | C-12, C-13, C-15 & C-16 | 7550 | 3975 |

| SCHEDULE OF RIB-BEAM | | | | | | |
|--------------------------|--|--------------------------------|--|--|-----------------------------------|--------------------------|
| RIB BEAM UNDER FDN. MKD. | SIZE OF BEAM ie WIDTH(MM) x DEPTH (MM) | SUPPORT REINFORCEMENT | | SPAN REINFORCEMENT | | STIRRUPS |
| | | LONGITUDINAL REINFORCEMENT TOP | LONGITUDINAL REINFORCEMENT BOTTOM | LONGITUDINAL REINFORCEMENT TOP | LONGITUDINAL REINFORCEMENT BOTTOM | |
| F-3, F-5, F-7, F-8 | 400 X 500 | 3 NOS. 16 Φ (ALTH) | 3 - 16 Φ (ALTH) + 2 - 16 Φ (EXTRA) | 3 - 16 Φ (ALTH) + 2 - 16 Φ (EXTRA) | 3 NOS. 16 Φ (ALTH) | 8 Φ 4L @ 150 MM C/C |
| F-4, F-6 | 400 X 600 | 3 NOS. 16 Φ (ALTH) | 3 - 16 Φ (ALTH) + 2 - 16 Φ (EXTRA) | 3 - 16 Φ (ALTH) + 2 - 16 Φ (EXTRA) | 3 NOS. 16 Φ (ALTH) | 8 Φ 4L @ 150 MM C/C |

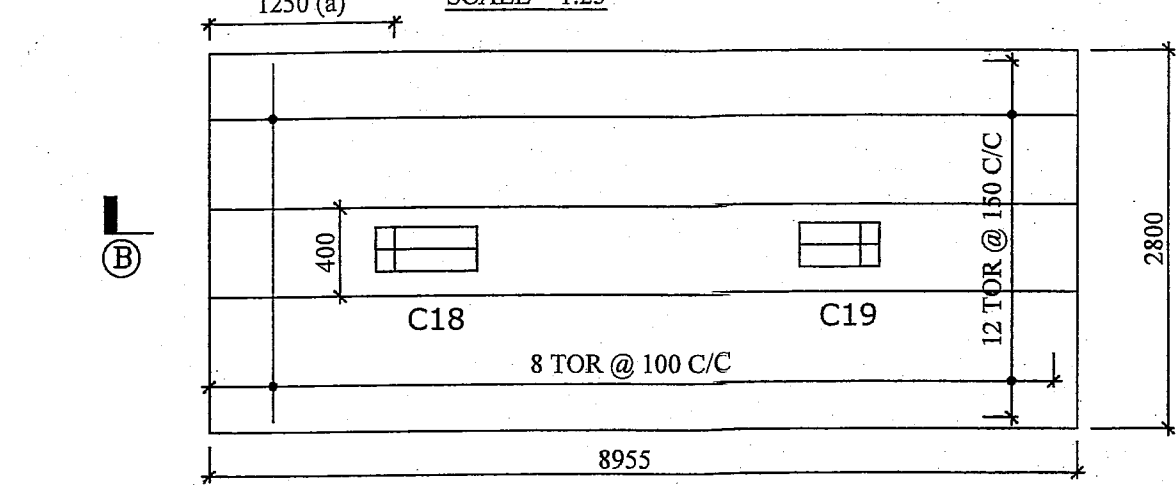


COLUMN & FOUNDATION LAYOUT PLAN. SCALE - 1 : 100

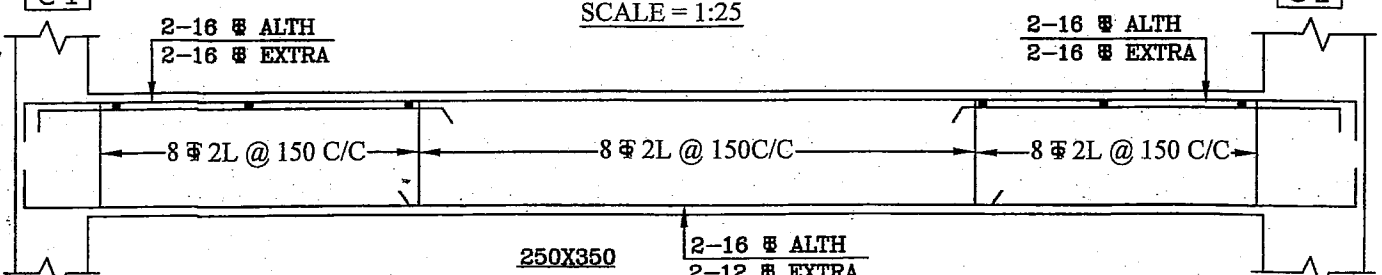
| SCHEDULE OF SLAB | | | | | |
|------------------|-------------------------|---------------------------------------|--|--------------------------------------|--|
| SLAB MARKED | THICKNESS OF SLAB (M.M) | REINFORCEMENT ALONG SHORTER DIRECTION | | REINFORCEMENT ALONG LONGER DIRECTION | |
| | | AT MIDDLE PORTION | AT END PORTION | AT MIDDLE PORTION | AT END PORTION |
| S-1 | 110 | 8 Φ @ 150 MM C/C | 8 Φ @ 150 MM C/C (TOP) & 8 Φ @ 300 MM C/C (BOTTOM) | 8 Φ @ 150 MM C/C | 8 Φ @ 150 MM C/C (TOP) & 8 Φ @ 300 MM C/C (BOTTOM) |
| S-2 | 110 | 8 Φ @ 100 MM C/C | 8 Φ @ 100 MM C/C (TOP) & 8 Φ @ 200 MM C/C (BOTTOM) | 8 Φ @ 100 MM C/C | 8 Φ @ 100 MM C/C (TOP) & 8 Φ @ 200 MM C/C (BOTTOM) |



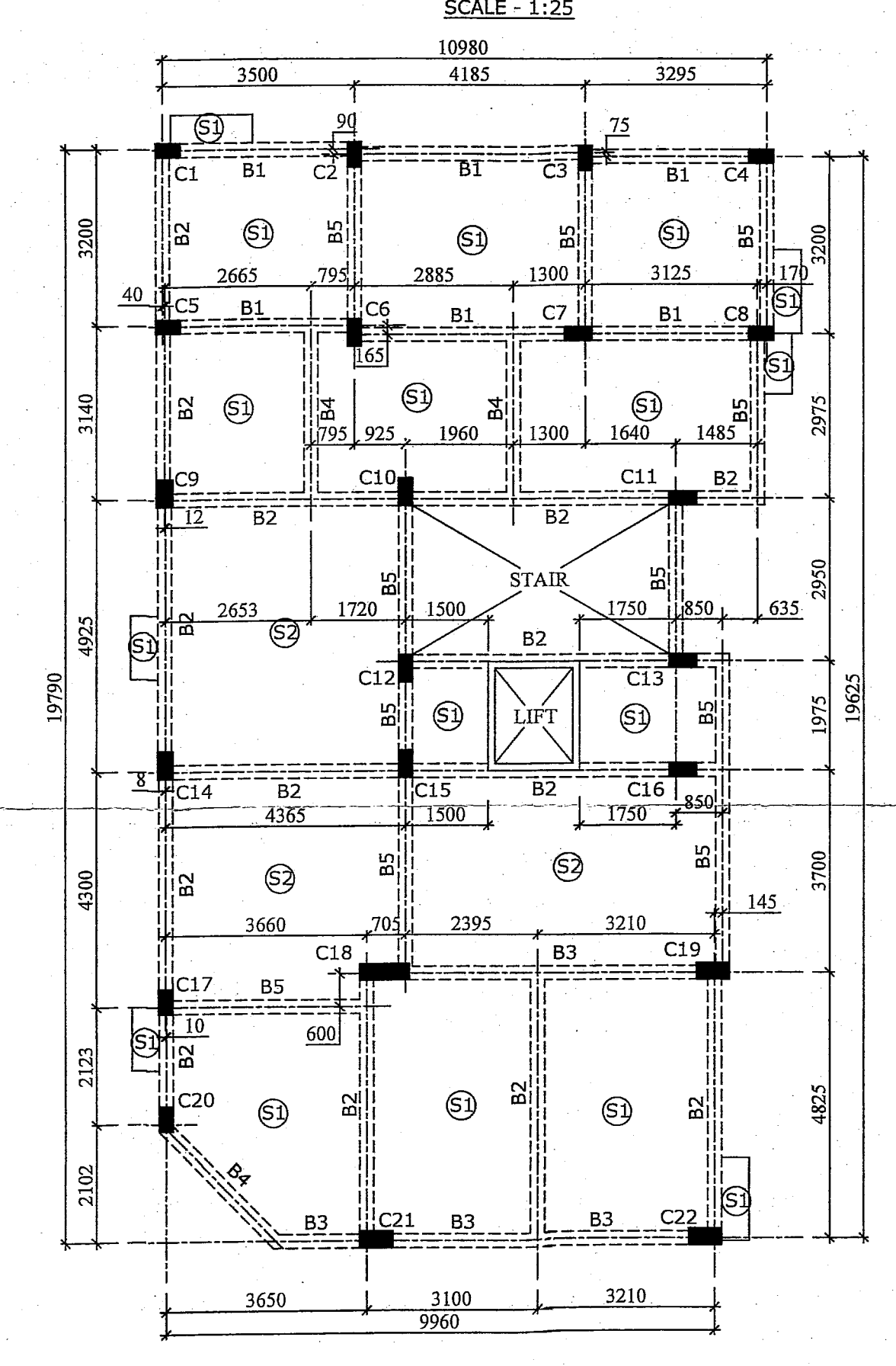
SECTION ON = B - B' SCALE - 1:25



DETAILS OF COMBINED FOUNDATION (F6) SCALE - 1:25



DETAILS OF LONG SECTION OF BEAM (B1) SCALE - 1:25

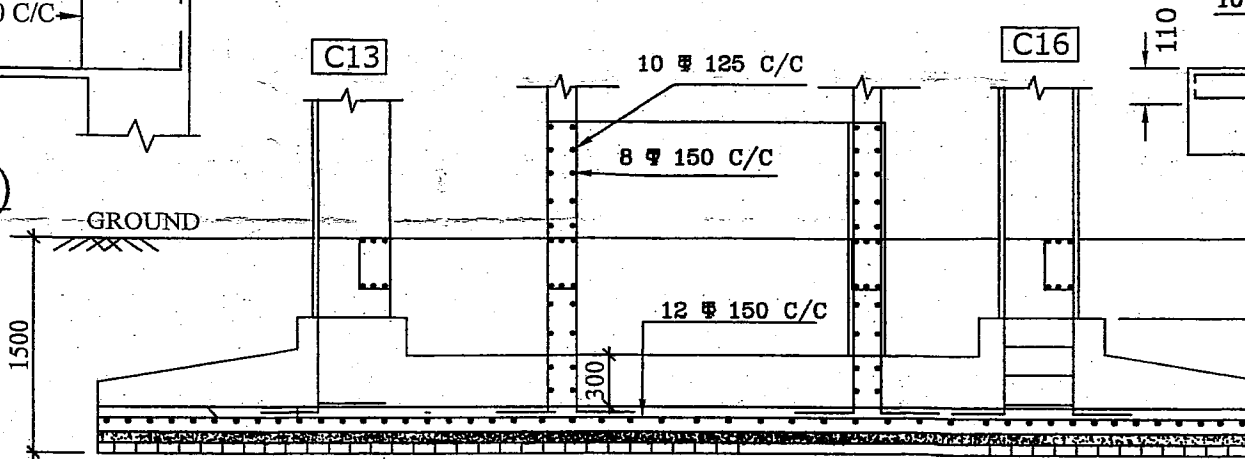


BEAM & SLAB LAYOUT PLAN SCALE:-1:100

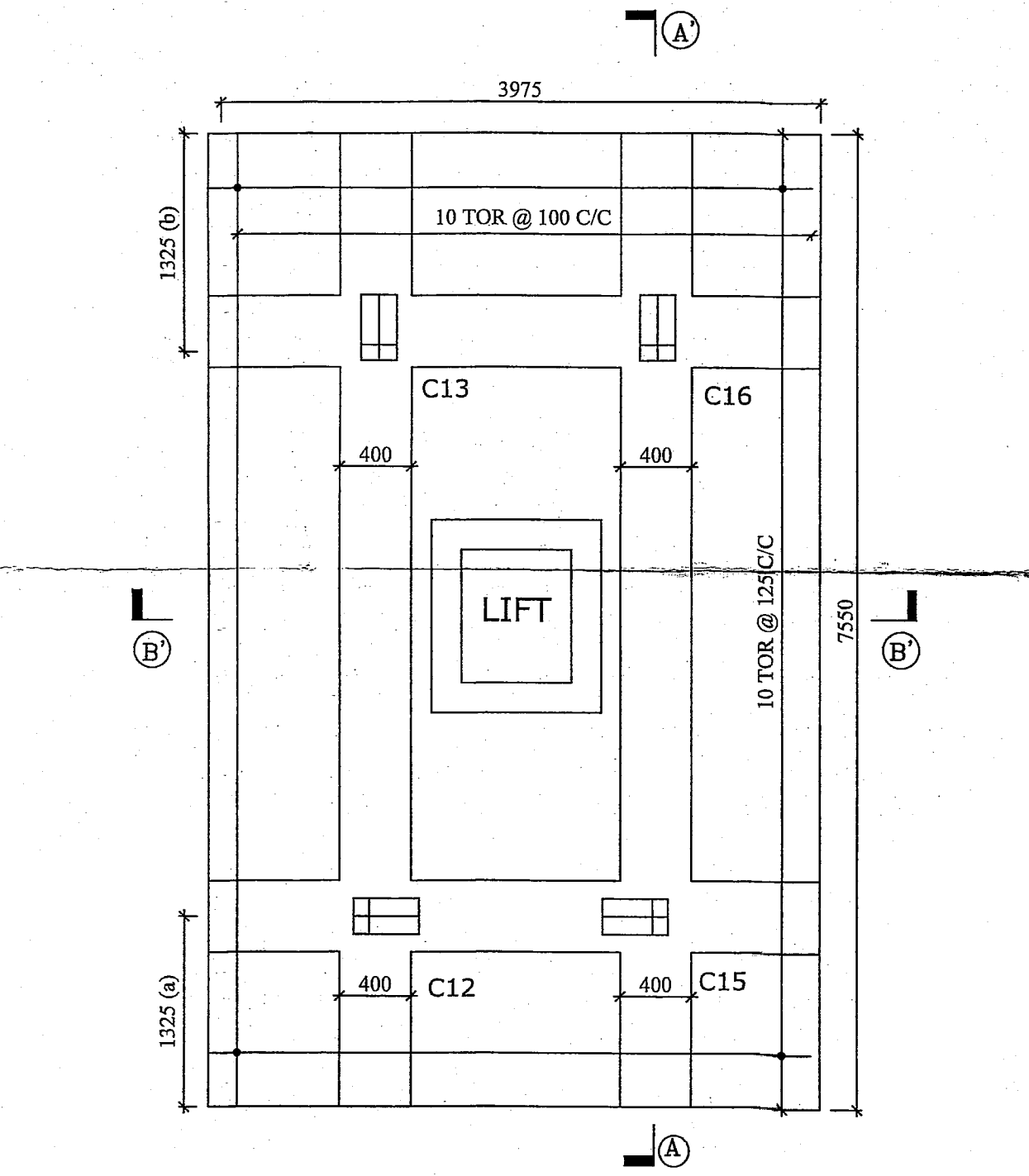
| SCHEDULE OF BEAM | | | | | | |
|------------------|---------------------------------------|--|----------------------|---|--|-----------------------------|
| BEAM MARKED | SIZE OF BEAM ie WIDTH(MM) x DEPTH(MM) | SUPPORT REINFORCEMENT LONGITUDINAL REINFORCEMENT | | SPAN REINFORCEMENT LONGITUDINAL REINFORCEMENT | | STIRRUPS |
| | | TOP | BOTTOM | TOP | BOTTOM | |
| B-1 | 250 X 350 | 2 - 16 Φ (ALTH) + 2 - 16 Φ (EXTRA) | 2 - 16 Φ (ALTH) | 2 - 16 Φ (ALTH) | 2 - 16 Φ (ALTH) + 2 - 12 Φ (EXTRA) | 8 Φ @ (2-L) 150 MM C/C |
| B-2 | 250 X 400 | 2 - 20 Φ (ALTH) + 2 - 16 Φ (EXTRA) | 2 - 16 Φ (ALTH) | 2 - 20 Φ (ALTH) | 2 - 16 Φ (ALTH) + 2 - 16 Φ (EXTRA) | 8 Φ @ (2-L) 150 MM C/C |
| B-3 | 250 X 450 | 3 - 20 Φ (ALTH) + 3 - 16 Φ (EXTRA) (2ND LAYER) | 3 - 20 Φ (ALTH) | 3 - 20 Φ (ALTH) | 3 - 20 Φ (ALTH) + 2 - 16 Φ (EXTRA) (2ND LAYER) | 8 Φ @ (2-L) 150 MM C/C |
| B-4 | 250 X 350 | 2 - 12 Φ (ALTH) + 2 - 12 Φ (EXTRA) | 2 - 16 Φ (ALTH) | 2 - 12 Φ (ALTH) | 2 - 16 Φ (ALTH) + 2 - 12 Φ (EXTRA) | 8 Φ @ (2-L) 150 MM C/C |
| B-5 | 250 X 350 | 2 - 16 Φ (ALTH) + 2 - 12 Φ (EXTRA) | 2 - 12 Φ (ALTH) | 2 - 16 Φ (ALTH) | 2 - 12 Φ (ALTH) + 2 - 12 Φ (EXTRA) | 8 Φ @ (2-L) 150 MM C/C |

| SCHEDULE OF COLUMN | | |
|---|--|--|
| COLUMN MARKED | COLUMN SIZE & REINFORCEMENT FROM FOUNDATION TO 2ND FLOOR LEVEL | COLUMN SIZE & REINFORCEMENT FROM 2ND FLOOR LEVEL TO ROOF LEVEL |
| | | |
| C-6, C-7, C-9, C-10, C-11, C-12, C-13, C-14, C-15, C-16 | 250 X 500 12 NOS. 16 Φ | 250 X 500 6 NOS. 16 Φ + 6 NOS. 12 Φ |
| C-19, C-21, C-22 | 300 X 600 10 NOS. 20 Φ | 300 X 600 4 NOS. 20 Φ + 6 NOS. 16 Φ |
| C-18 | 300 X 900 12 NOS. 16 Φ | 300 X 900 6 NOS. 16 Φ + 6 NOS. 12 Φ |
| C-11A | 300 X 300 8 NOS. 16 Φ | |

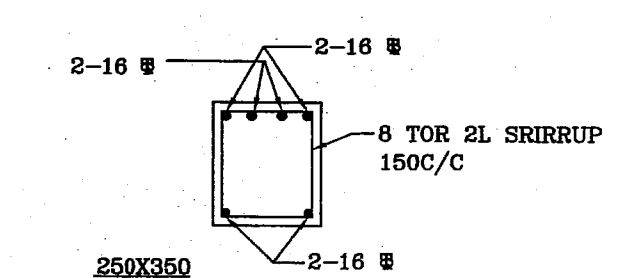
USE 8 Φ STIRRUPS @ 200 MM C/C



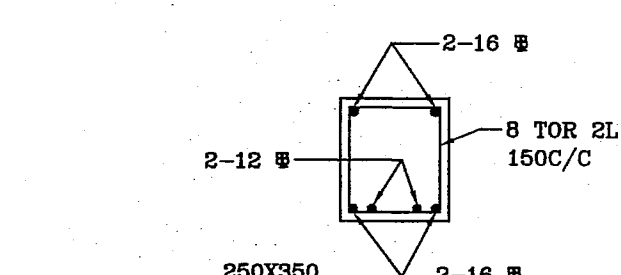
SECTION ON LIFT = B - B' SCALE - 1:25



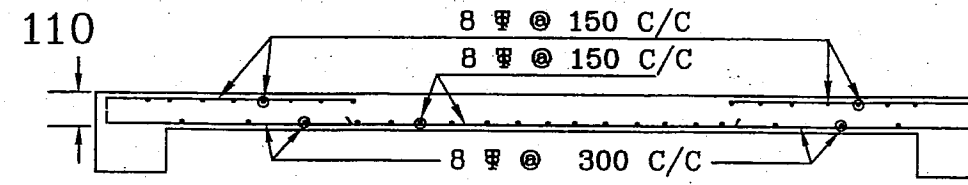
DETAILS OF LIFT FOUNDATION SCALE - 1:25



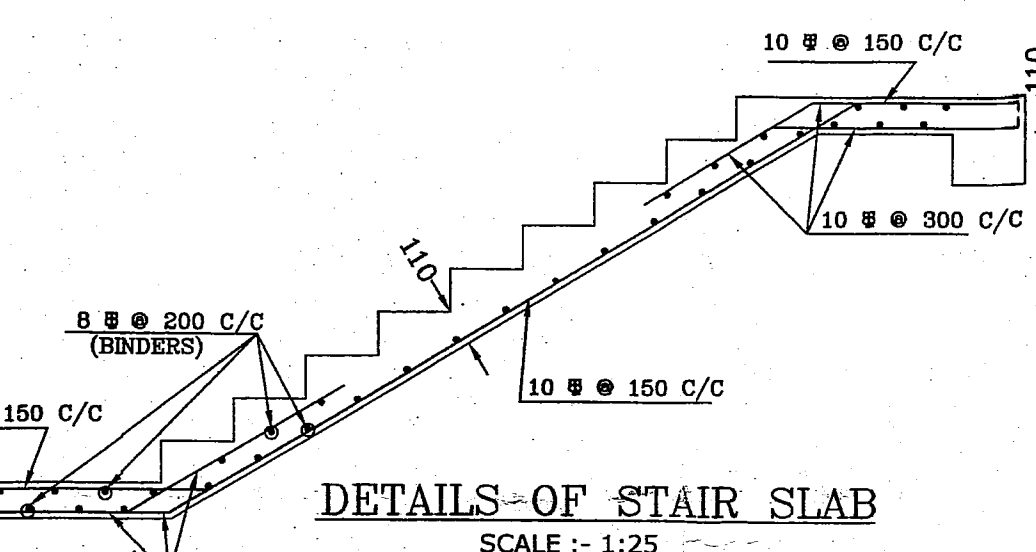
X- SECTION OF BEAM (B1) AT SUPPORT SCALE - 1:25



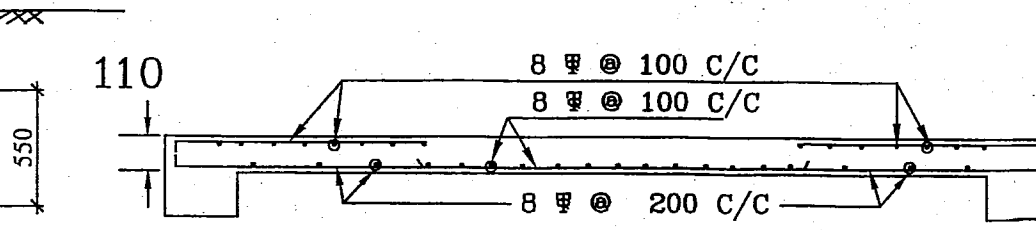
X- SECTION OF BEAM (B1) AT SPAN SCALE - 1:25



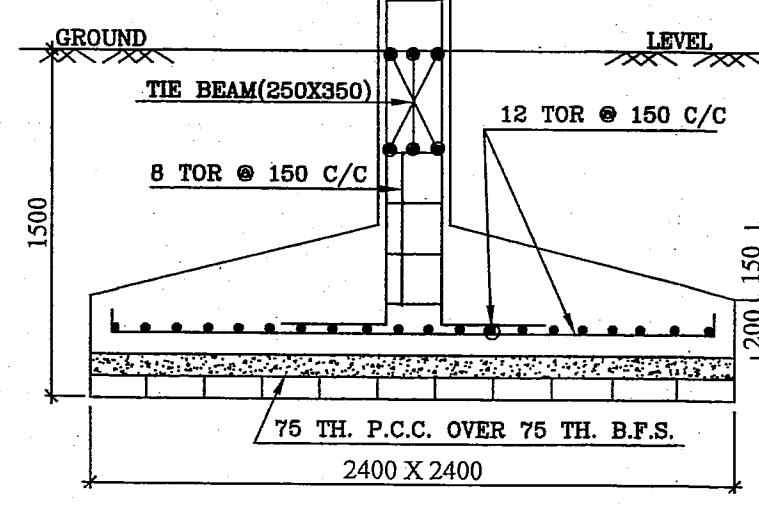
DETAILS OF SLAB (S1) SCALE - 1:25



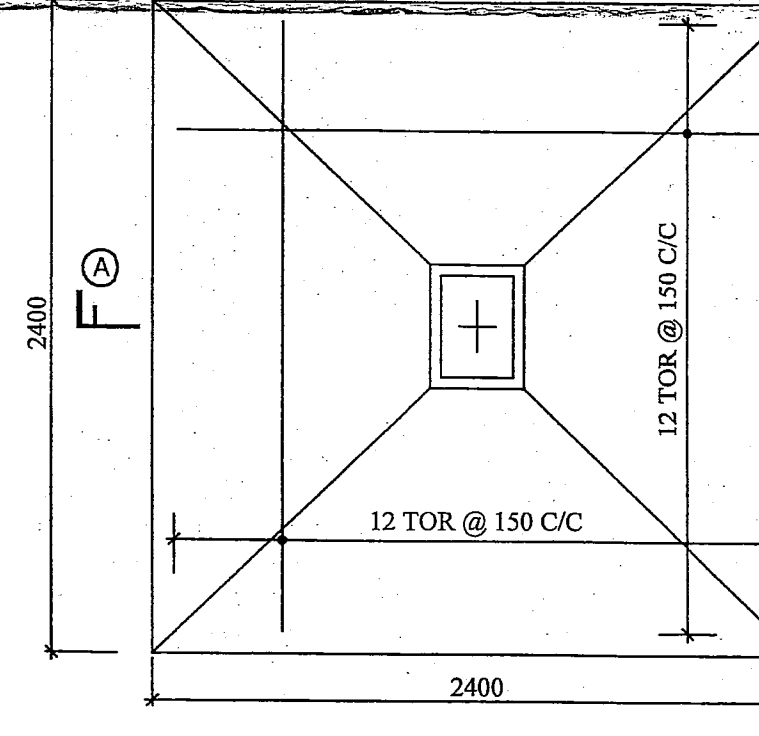
DETAILS OF STAIR SLAB SCALE - 1:25



DETAILS OF SLAB (S2) SCALE - 1:25



SECTION ON = A - A' SCALE - 1:25



DETAILS OF ISOLATED FOUNDATION (F1) SCALE - 1:25

| SCHEDULE OF TIE-BEAM | | | | | |
|--|-----------------------|-------------------------|----------------------------|---------------|-----------------------|
| SIZE OF BEAM ie WIDTH(MM) x DEPTH (MM) | SUPPORT REINFORCEMENT | SPAN REINFORCEMENT | | STIRRUPS | |
| | | LONGITUDINAL REINF. TOP | LONGITUDINAL REINF. BOTTOM | | |
| 250 X 350 | 4 - 12 Φ | 2 - 12 Φ | 2 - 12 Φ | 4 - 12 Φ | 8 Φ @ 150 MM C/C |

SPECIFICATIONS:-

- DEPTH OF FOUNDATION IS AT 1.50 M. BELOW EXT. G.L.
- SAFE BEARING CAPACITY OF SOIL IS AS PER SOIL TEST REPORT.
- GRADE OF CONC. IS M-20 AND GRADE OF STEEL IS Fe-500.
- CLEAR COVER TO MAIN REIN. IS AS PER BELOW :-
a). FOUNDATION - 75 MM. b). COLUMN - 40 MM.
c). BEAM - 25 MM. d). SLAB - 20 MM.
- ALL SLABS MUST BE CAST MONOLITHIC WITH SUPPORTING BEAM.
- ALL OTHER SPECIFICATIONS ARE AS PER NATIONAL BUILDING CODE OF INDIA.

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 & STABLE IN ALL RESPECT FROM GEO - TECHNICAL POINT OF VIEW.

ASIM SARKAR
BCE, ME (SOIL), MIGS
EMPANELLED GEOTECHNICAL ENGINEER
K.M.C. No.-CLASS-1/2

SIG. OF GEO - TECHNICAL ENG.
ASIM SARKAR
BCE, ME (SOIL), MIGS CLASS - 1/2
20, K.N. SEN ROAD, KOLKATA - 700 042

THE STRUCTURAL DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS 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 TESTING REPORT HAS BEEN DONE BY ASIM SARKAR OF EARTH FILE. THE BEARING CAPACITY OF SOIL HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

D. GHOSH, B.E. (Civil), AMIE
Chartered Engineer
KMC E.S.E-11/228

SIG. OF STRUCTURAL ENG.
DEBABRATA GHOSH
E.S.E. NO.-11/228
9634, PATRAKARA ROAD,
KOLKATA - 700 060

CERTIFIED THAT THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES 2009, AS AMENDED FROM TIME TO TIME AND THE SITE CONDITION INCLUDING THE ADJUTING ROAD IS CONFORM WITH THE PLAN IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK.

AR. DEBASHIS CHOWDHURY
COA. REGN. NO. CA/66/10342

SIGNATURE OF ARCHITECT
DEBASHIS CHOWDHURY
REGISTRATION NO. - CA / 86 / 10342
42A, HARISH MUKHERJEE ROAD,
KOLKATA - 700 025

I DO HERE BY DECLARE WITH FULL RESPONSIBILITY THAT I SHALL ENGAGE ARCHITECT & E.S.E. DURING CONSTRUCTION. I SHALL FOLLOW THE INSTRUCTION OF ARCHITECT & E.S.E. DURING CONSTRUCTION OF THE BUILDING (AS PER PLAN). K.M.C. AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURE IF ANY SUBMITTED DOCUMENT ARE FAKE, THE K.M.C. AUTHORITY WILL REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF U.G.W.R. & SEPTIC TANK TAKEN UNDER THE GUIDENCE OF ARCHITECT / E.S.E. BEFORE STARTING OF BUILDING FOUNDATION.

Gautam Sureka
Constitute Attorney holder of :
M/S SHREE NIL MADHAV
CONSTRUCTION PVT. LTD.
SIGNATURE OF OWNER
GAUTAM SUREKA
CONSTITUTED ATTORNEY OF
M/S. SHREE NIL MADHAV
CONSTRUCTION PVT. LTD.
7, JATINDRA MOHAN AVENUE
KOLKATA - 700 006

PROPOSAL OF G + IV STORIED (15.5 M. HEIGHT) RESIDENTIAL BUILDING U/S 393 A OF K.M.C. ACT 1980 COMPLYING WITH BUILDING RULE 2009 AT PREMISES NO. 64/16, MAHATMA GANDHI ROAD, WITHIN KMC WARD NO. 115, BOROUGH NO. XIII, UNDER P.S. HARIDEVPUR, KOLKATA - 700 041, DISTRICT - 24 PGS. (S).

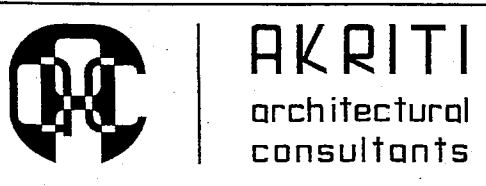
SHEET TITLE : STRUCTURAL PLAN.

SHEET CONTENT : FOUNDATION, BEAM, TIE BEAM, SCHEDULES

DRAWN BY - BJOY

DATE - 23.12.2019

SCALE - 1:50, 1:100, 1:200
1:600, 1:4000



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+91 93 2454 2709
akriticonsultants@gmail.com
akrcivil@rediffmail.com

CERTIFIED COPY

KOLKATA MUNICIPAL CORPORATION
BUILDING DEPARTMENTS
CERTIFIED COPY OF B.S. PLAN
No. 2019/30293 Dt. 02/01/2020
Borough No. 2411
[Signature] Asst. Engineer *[Signature]* Executive Engineer

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 01/01/2025...

Structural plan and design calculation as submitted by the structural engineer have been kept with B. P. No. 2019/30293 Dt. 02/01/2020 for record of the Kolkata Municipal Corporation. Verification No. 2019/30293 Dt. 02/01/2020 is issued from the submitted structural plan should be made at the time of execution without extracting from structural plan along with design calculation and stability certificate in the prescribed form, necessary steps should be taken for the safety of the adjoining citizens public and private properties and safety of human life during construction.
[Signature]
Asst. Engineer/Technical Advisor / Executive Engineer
BOROUGH NO.- XIII, XIV

