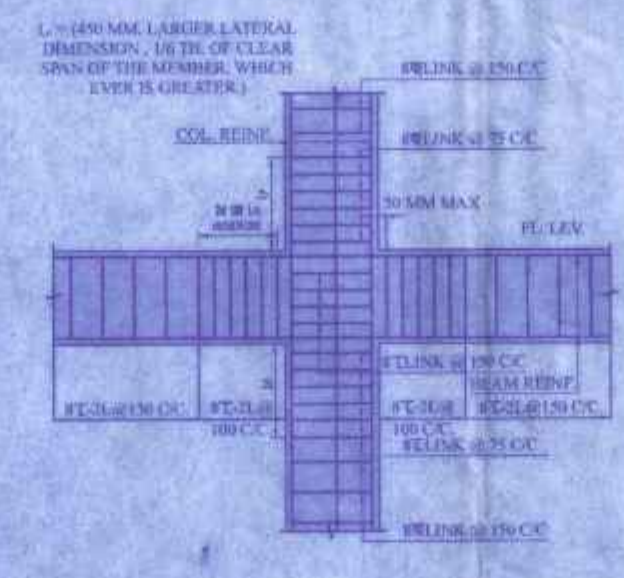
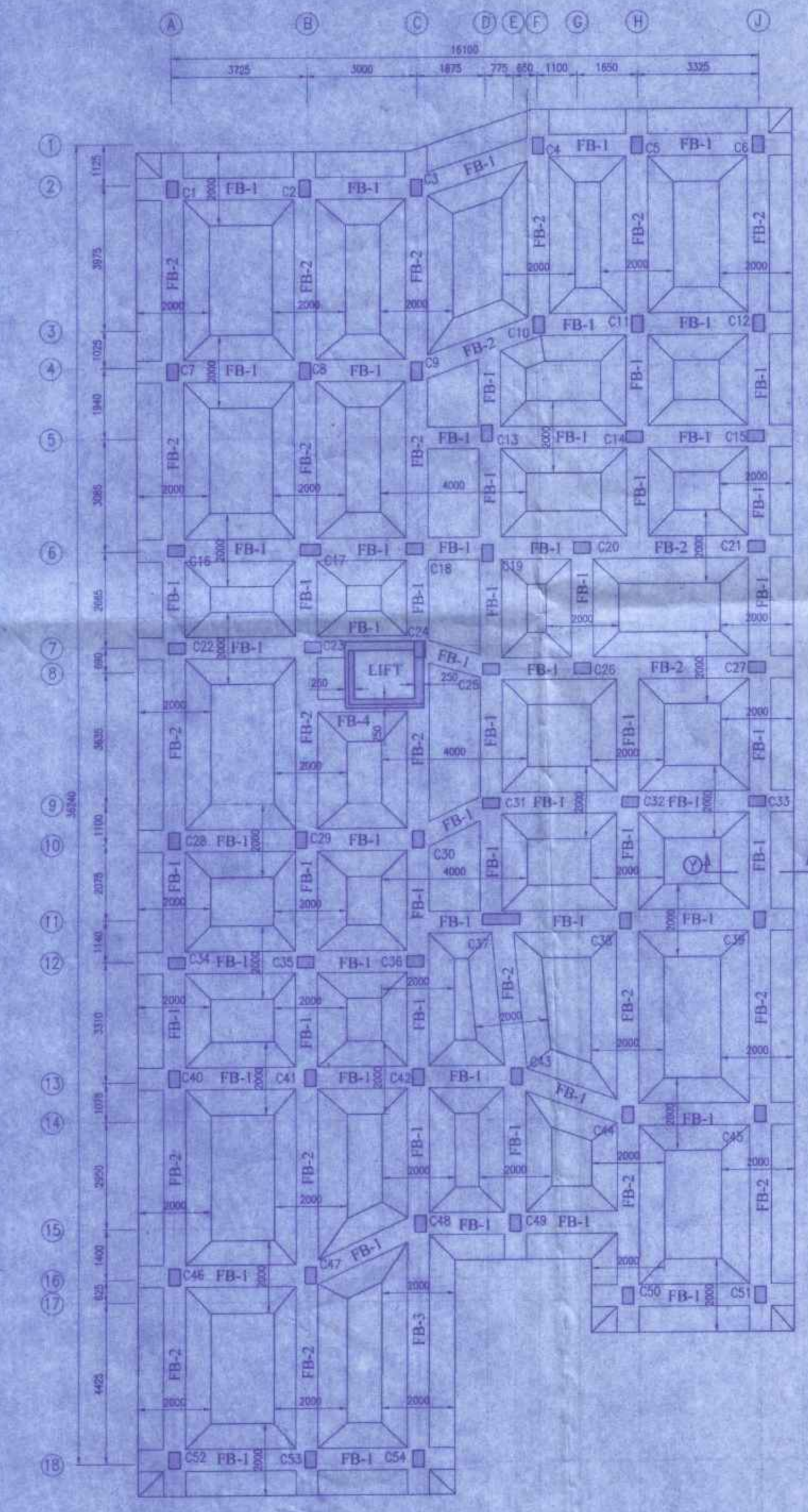


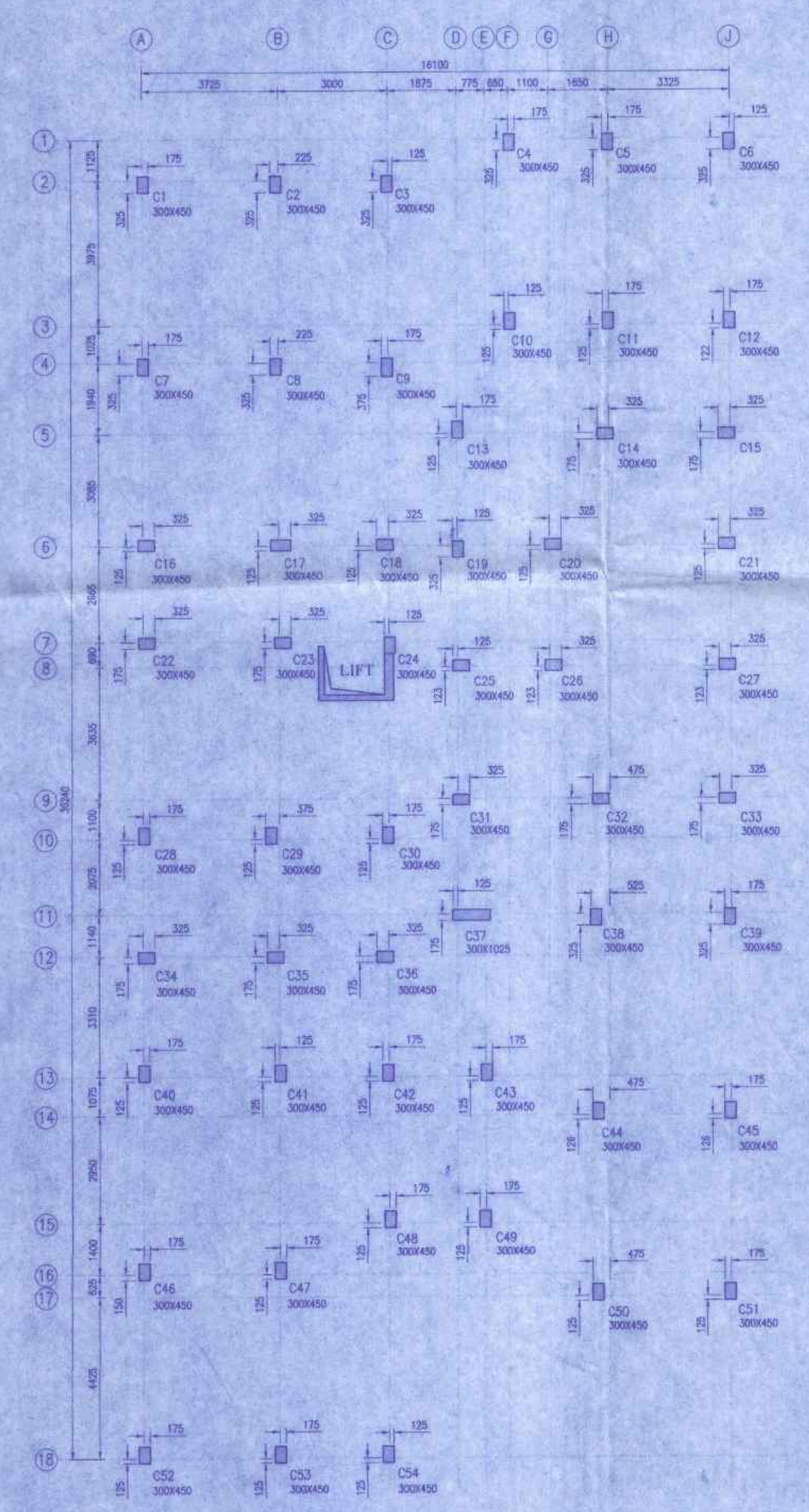
TYPICAL CURTAILMENT DETAILS FOR FOUNDATION BEAM



TYPICAL DUCTILE DETAILING OF COLUMN BEAM JUNCTION



G.A. OF FOUNDATION LAYOUT PLAN
SCALE-1:100



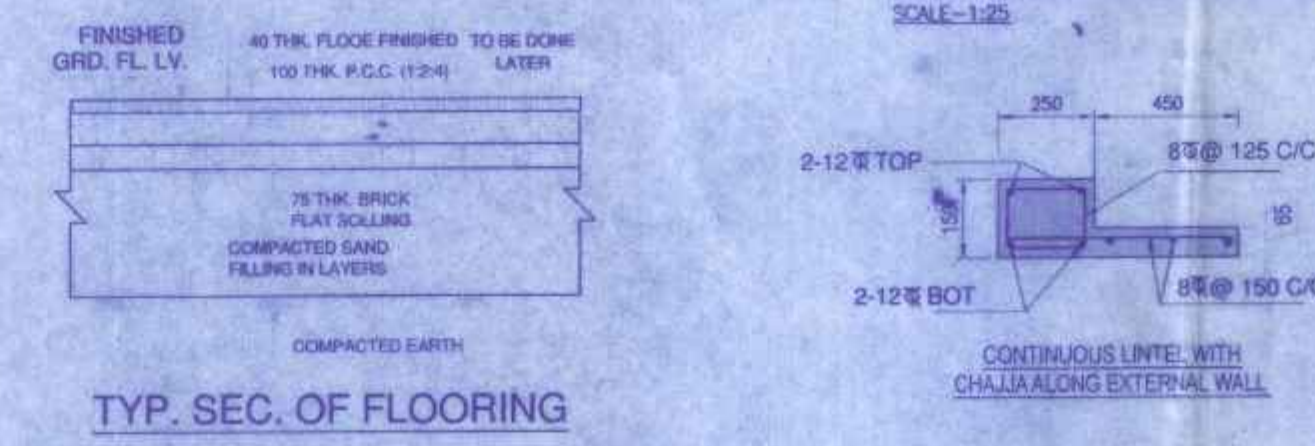
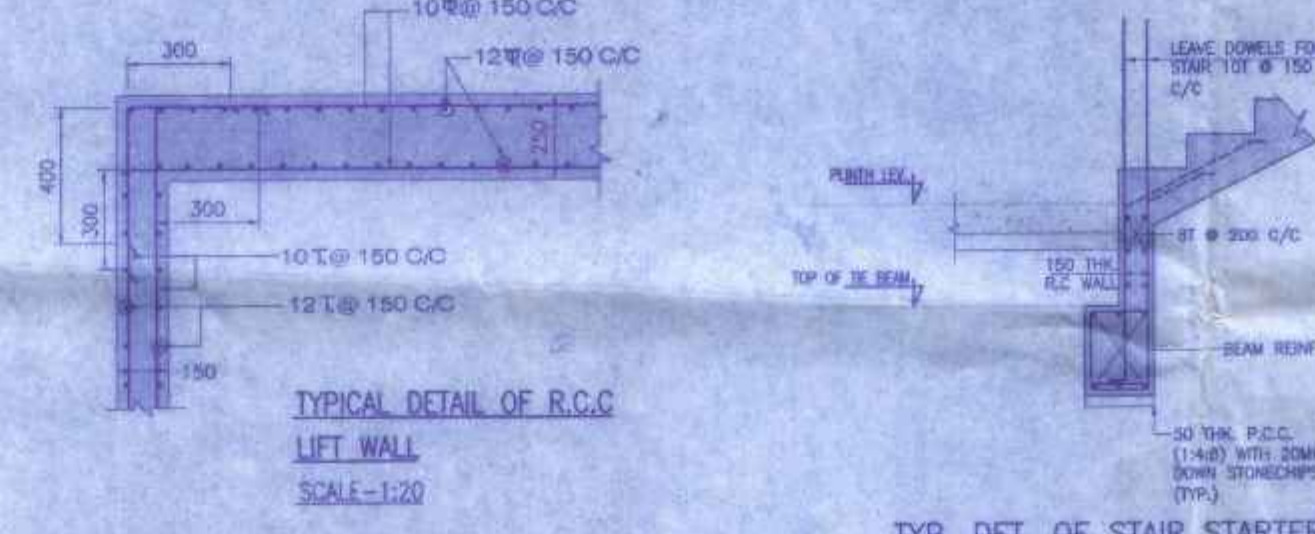
G.A. OF COLUMN LAYOUT PLAN
SCALE-1:100

SCHEDULE OF COLUMNS:
(GRADE OF CONCRETE : M25 & GRADE OF STEEL : Fe500)

| ROOF TO 3RD FLR. | 3RD FLR. TO FOUNDATION | COL. SIZE | COL. MKD. |
|------------------|------------------------|------------|--|
| 300 x 300 | 300 x 300 | 300 x 450 | C1, C7, C8, C16, C17, C21, C23, C24, C25, C26, C27, C28, C29, C34, C35, C36, C37 |
| 300 x 300 | 300 x 300 | 300 x 450 | C2, C4, C6, C9, C11, C15, C22, C38, C44, C46, C47, C48 |
| 300 x 300 | 300 x 300 | 300 x 450 | C3, C5, C49 |
| 300 x 300 | 300 x 300 | 300 x 1025 | C57 |

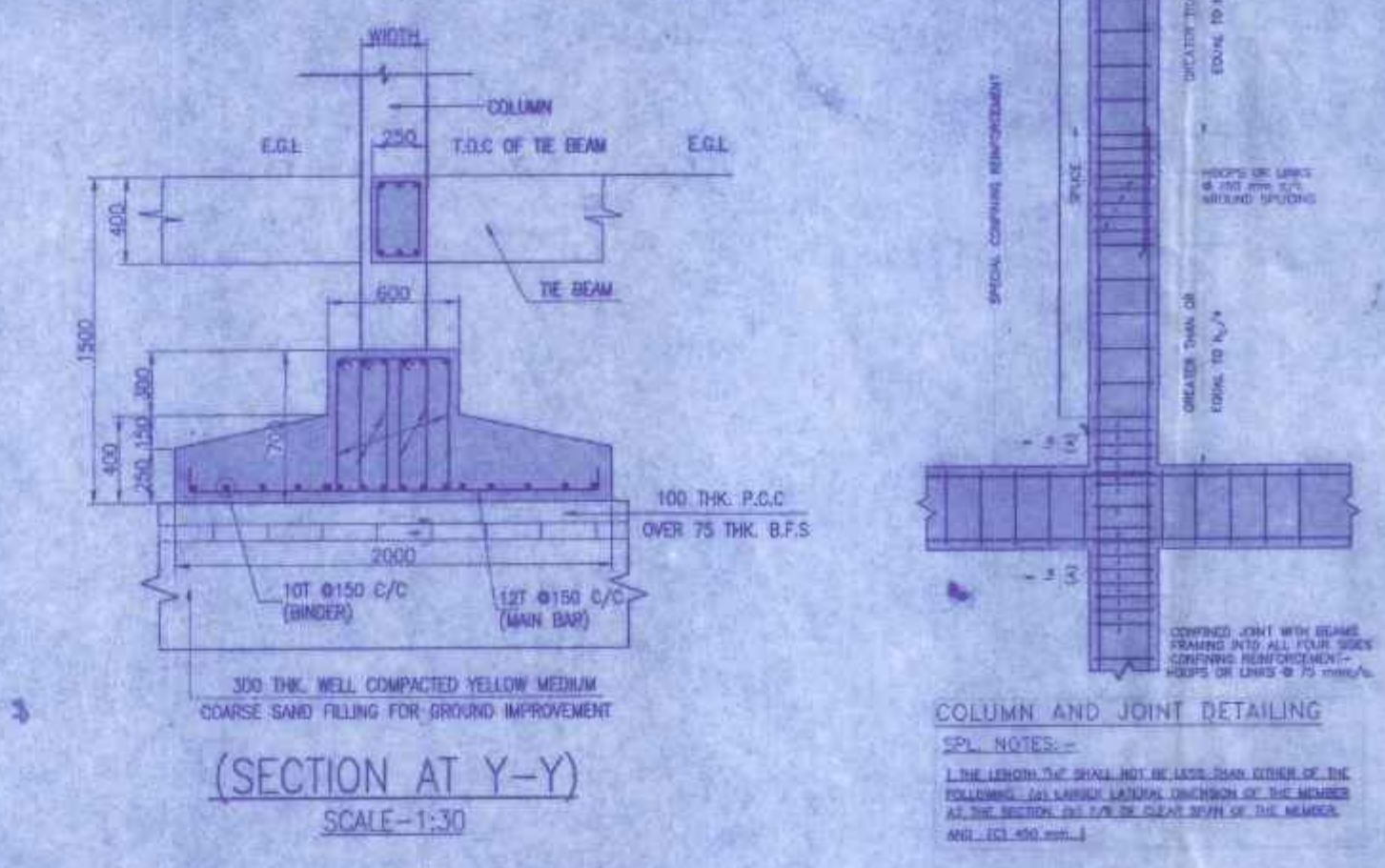
SCHEDULE OF FOUNDATION BEAM:
(GRADE OF CONCRETE : M25 & GRADE OF STEEL : Fe500)

| BEAM MKD. | SIZE | REINFORCEMENT | | | | | | STIRRUPS | | | |
|-----------|-----------|---------------|------------|----------------|-----------------|----------|-----------|-----------------|------------------|--------------|--------------|
| | | WIDTH (mm) | DEPTH (mm) | CANTILEVER TOP | CANTILEVER BOT. | SPAN TOP | SPAN BOT. | CONT. SUPP. TOP | CONT. SUPP. BOT. | SPAN | CANTL. |
| FB-1 | 600 x 700 | 6-20 | 6-20 | 6-20 | 6-20 | 6-20 | 6-20 | 4L-8@100 C/C | 4L-8@150 C/C | 4L-8@100 C/C | 4L-8@100 C/C |
| FB-2 | 600 x 700 | 6-20 | 6-20 | 6-20 | 6-20 | 6-20 | 6-20 | 4L-8@100 C/C | 4L-8@150 C/C | 4L-8@100 C/C | 4L-8@100 C/C |
| FB-3 | 600 x 800 | 6-20 | 6-20 | 6-20 | 6-20 | 6-20 | 6-20 | 4L-8@100 C/C | 4L-8@150 C/C | 4L-8@100 C/C | 4L-8@100 C/C |
| FB-4 | 350 x 600 | 4-20 | 4-20 | 4-20 | 4-20 | 4-20 | 4-20 | 4L-8@100 C/C | 4L-8@150 C/C | 4L-8@100 C/C | 4L-8@100 C/C |



SCHEDULE OF FOUNDATIONS:
(GRADE OF CONCRETE : M25 & GRADE OF STEEL : Fe500)

| FOUNDATION TYPE | FOUNDATION SIZE | BASE DEPTH | REINFORCEMENT AT BOTTOM |
|-----------------|-----------------|------------|------------------------------|
| STRIP FDN. | 2000 WIDTH | 250 | 10# @ 150 C/C, 12# @ 150 C/C |



- NOTES:-
- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
 - SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 - GRADE OF CONG. : M-25, OTHERWISE MENTIONED.
 - ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
 - FOR STEEL GRADE Fe 500 AS PER IS 1786-2008
 - LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
 - FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION AND PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 - ALL DISTRIBUTION BARS ARE 8 TOR @ 200 C/C AND TO BE PROVIDED WHEREVER REQUIRED
 - ALL SPACER BARS ARE 25 TOR @ 1000 C/C AND TO BE PROVIDED WHEREVER REQUIRED
 - MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

| MEMBER | TOP | BOTTOM | SIDE |
|-----------|-----|--------|------|
| a. BEAM | 30 | 30 | 30 |
| b. COLUMN | — | — | 40 |
| c. SLAB | 25 | 25 | 25 |
| d. FDN | 50 | 75 | 50 |
 - PROVIDE 300 THK WELL COMPACTED SAND FILLING BELOW THE FOUNDATION FOR GROUND IMPROVEMENT
 - ALL EXTERNAL WALL SHALL BE 250 THK. AND PARTITION WALL SHALL BE 125 THK.
 - AS PER SOIL INVESTIGATION REPORT S.B.C OF 2.0M WIDE STRIP FOUNDATION IS 8.0 TON/SQM FOR 1.5M DEPTH OF THE FOOTING FROM E.G.L.

THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN. THIS IS CERTIFIED THAT I HAVE GONE THROUGH THE NBC OF INDIA AND ALSO ABIDE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.

For BALAJI PROJECTS
 Jamunpur Kothari, Partner
 Sankar Kothari, Partner

SIGNATURE OF OWNER

TANMOY DAS
 B.Tech (Civil), M.Tech (Struc. Engg) (Pursuing)
 AMIE, MIGS, Chartered Engineer
 Empowered L.B.S. (Class-I)
 Kolkata Municipal Corporation
 License No. - LBS/11/1680

SIGNATURE OF ARCHITECT / L.B.S

CERTIFICATE OF STRUCTURAL ENGINEER

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 LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

TANMOY DAS
 B.Tech (Civil), M.Tech (Struc. Engg) (Pursuing)
 AMIE, MIGS, Chartered Engineer
 Empowered Structural Engineer
 Kolkata Municipal Corporation
 License No. - ESE/11/1687

SIGNATURE OF STRUCTURAL ENGINEER

Checked & Voted
 Dr. Partha Ghosh
 B.E. (Civil), M.E. (Structural Engg), Ph.D. (Engg)
 Professor
 Construction Engg. Department
 Jadavpur University, Kolkata - 700 103

PROJECT :
 PROPOSED G+4 STORED APARTMENT TYPE RESIDENTIAL BUILDING OF BALAJI PROJECTS OF R.S.DAG NO-560 & 601(P), L.R. DAG NO-654 & 700 (P), AT MOUZA-GURE, J.L. NO-20, WITHIN SANTOSHPUR GRAM PANCHAYET, GURE, PADMAPUKUR-BHIMPUR-ROAD, PS-TARAKESWAR, DIST-HOOGHLY, WEST BENGAL.

PARTNERS-SRI LAXMIPATH KOTHARI, SMT. SANTOSH KOTHARI.

TITLE
 STRUCTURAL DETAILS

DRAWN BY- SUDIPTA DATE- 16.12.2023 SHEET NO. - 02/02
 CHECKED BY- TANMOY SCALE-1:100, 20, 25 REVISION- 00
 JOB NO. -
 DRG. NO. - JUBHIMPUR/G+4-STRC/12/2023
 STATUS INFORMATION APPROVAL SUBMISSION

May be Technically Voted
 Assistant Engineer
 Hooghly Zilla Parishad

Technically Voted
 District Engineer
 Hooghly Zilla Parishad