

COLUMN SCHEDULE
GRADE OF CONCRETE-M25

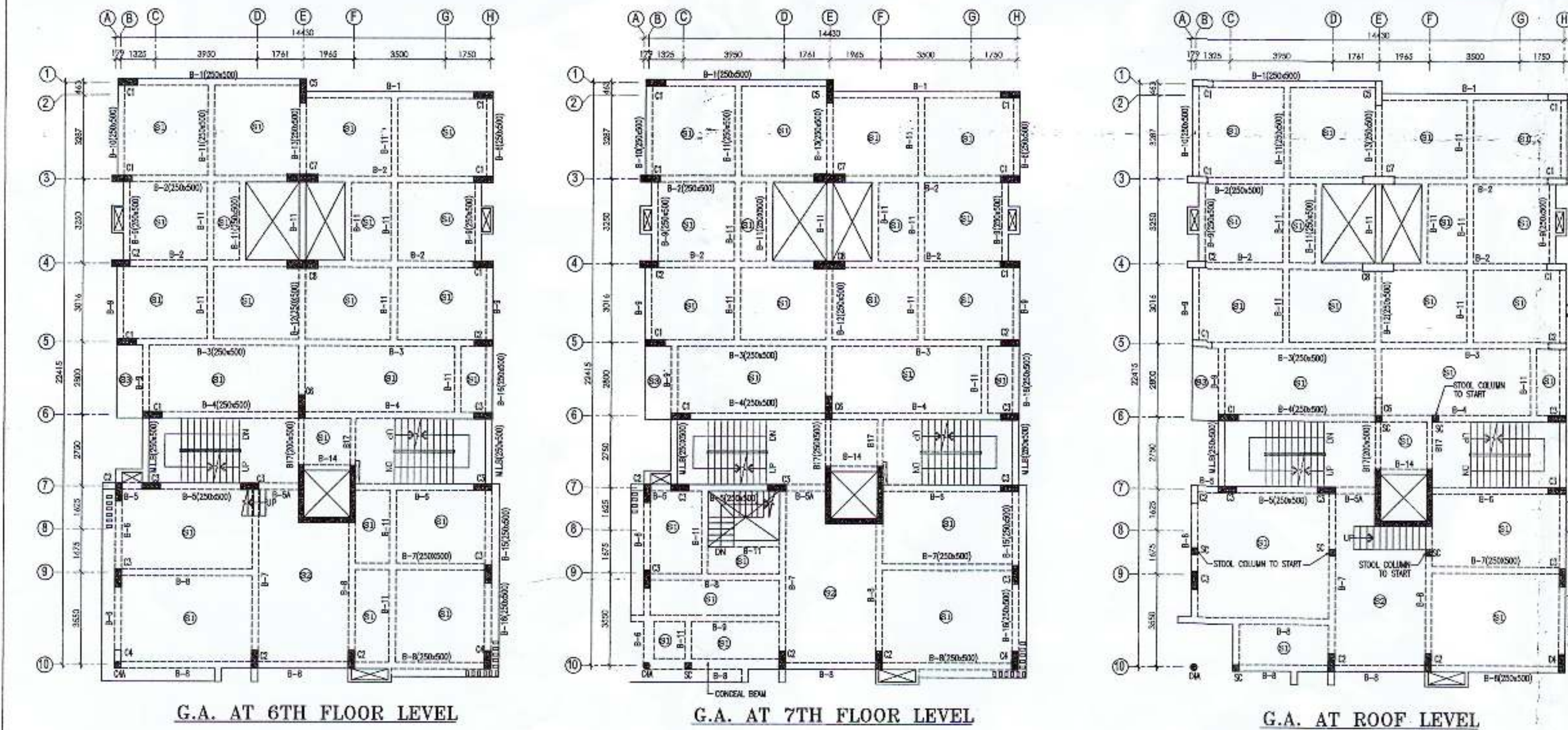
| ABOVE FIFTH FLOOR LEVEL | 8-20 Ø 4-16 | 14-20 | 8-20 Ø 4-16 | 12-16 | 8-20 Ø 4-16 | 10-20 | 20-16 | 24-20 |
|---------------------------------|----------------|-------------|-------------|-------------|-------------|-------------|---------|-------------|
| THIRD TO FIFTH FLOOR LEVEL | 12-20 | 4-20 Ø 4-16 | 14-20 | 4-20 Ø 4-16 | 18-20 | 8-20 Ø 4-16 | 12-20 | 12-20 |
| FIFTH TO THIRD FLOOR LEVEL | 8-20 Ø 4-16 | 8-20 Ø 4-16 | 4-20 Ø 4-16 | 8-20 Ø 4-16 | 12-20 | 12-20 | 20-20 | 18-20 |
| FOUNDATION TO FIRST FLOOR LEVEL | 12-20 | 14-20 | 8-20 Ø 4-16 | 12-20 | 12-20 | 18-20 | 14-20 | 4-20 Ø 4-16 |
| LINK | Ø 16 @ 150 C/C | | | | | | | |
| SIZE | 250x750 | 250x750 | 250x750 | 250x900 | 250x900 | 300x200 | 300x200 | 250x250 |
| COLUMN MARKED | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |

BEAM SCHEDULE
GRADE OF CONCRETE-M25

| SL. NO. | BEAM MARKED | SPAN | SUPPORT | | STRAPINGS | |
|---------|-------------|------|---------|--------|-----------|--------|
| | | | TOP | BOTTOM | TOP | BOTTOM |
| 1 | B-1 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 2 | B-2 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 3 | B-3 | 200 | 2-16 | 2-16 | 2-16 | 2-16 |
| 4 | B-4 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 5 | B-5 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 6 | B-6 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 7 | B-7 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 8 | B-8 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 9 | B-9 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 10 | B-10 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 11 | B-11 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 12 | B-12 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 13 | B-13 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 14 | B-14 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 15 | B-15 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 16 | B-16 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 17 | B-17 | 200 | 2-16 | 2-16 | 2-16 | 2-16 |

- 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 CONC. M-25, OTHERWISE MENTIONED.
 - ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
 - FOR STEEL GRADE F450 AS PER IS 1786-1973.
 - LAPS, SPICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
 - FOUNDATION & PLUMB: BRICKWORK IN FOUNDATION AND PLUMB 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 @ 200 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
 - MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

| MEMBER | TOP | BOTTOM | SIDE |
|---------------|-----|--------|------|
| a. FOUNDATION | 50 | 50 | 50 |
| b. COLUMN | 25 | 25 | 25 |
| c. FLOOR BEAM | 25 | 25 | 25 |
| d. THE BEAM | 25 | 25 | 25 |
| e. FLOOR SLAB | 20 | 20 | 20 |
 - THE PILE CAPACITY HAS BEEN TENTATIVELY TAKEN AS 400TON IT IS SUBJECT TO CONVERSION AFTER INITIAL LOAD TEST ON PILE.



BEAM SCHEDULE (1ST FLOOR)
GRADE OF CONCRETE-M25

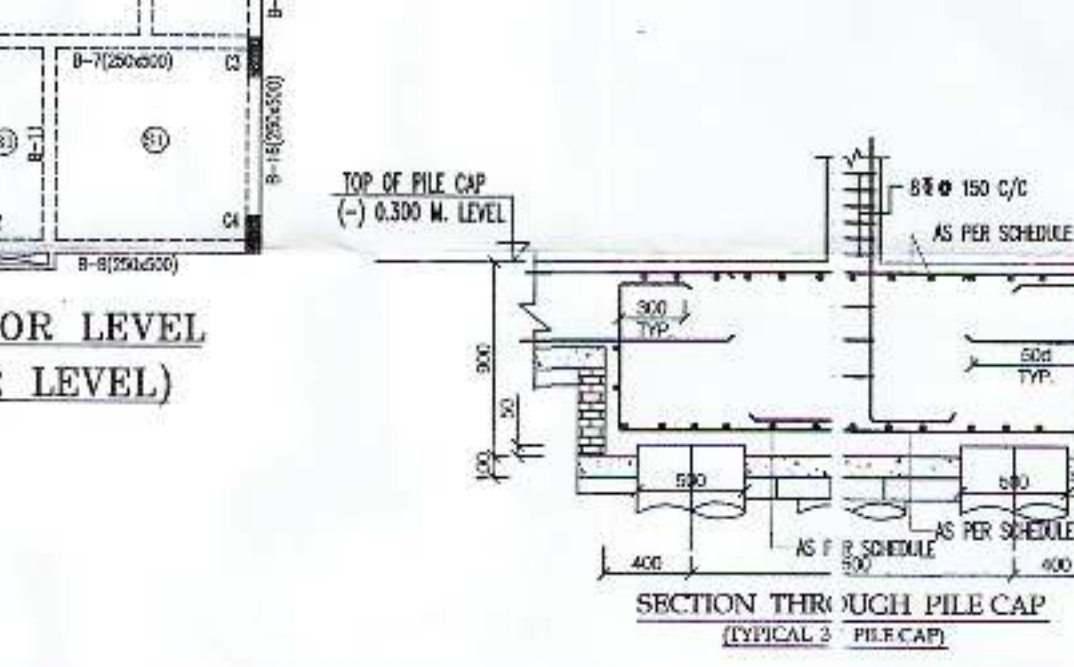
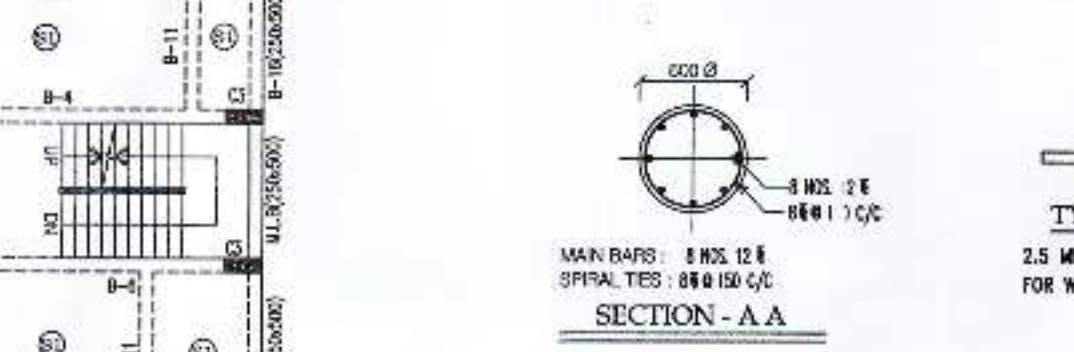
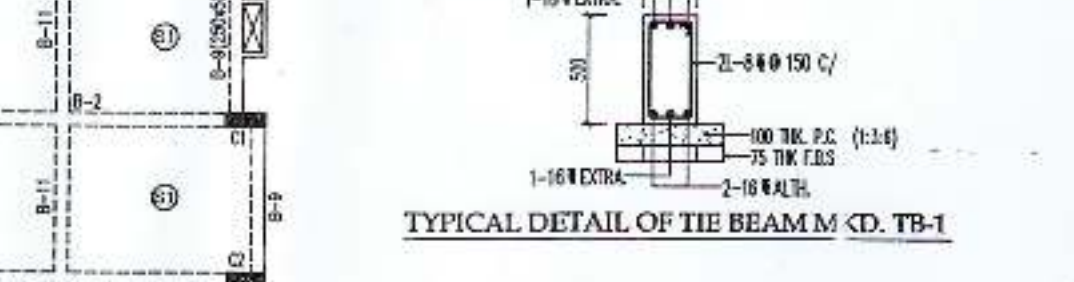
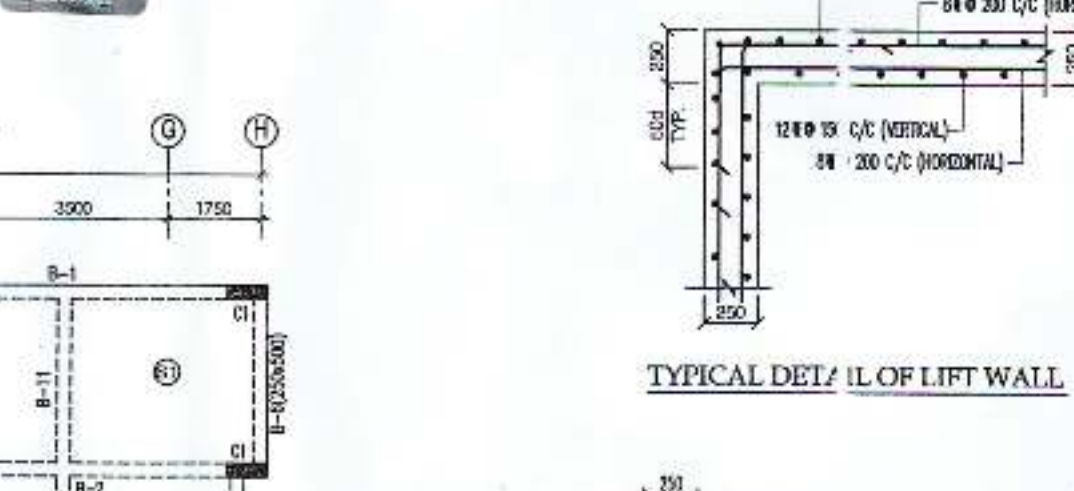
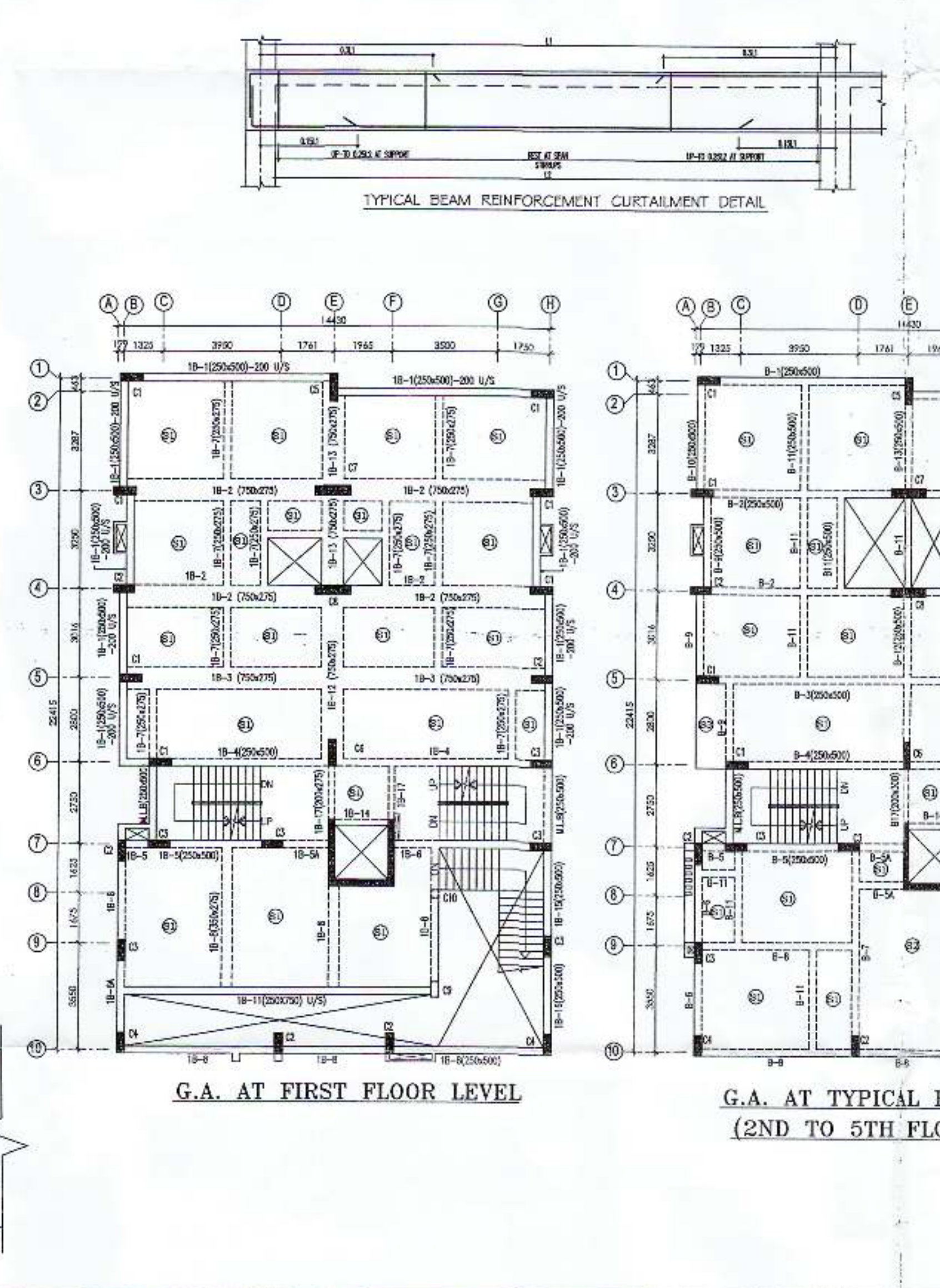
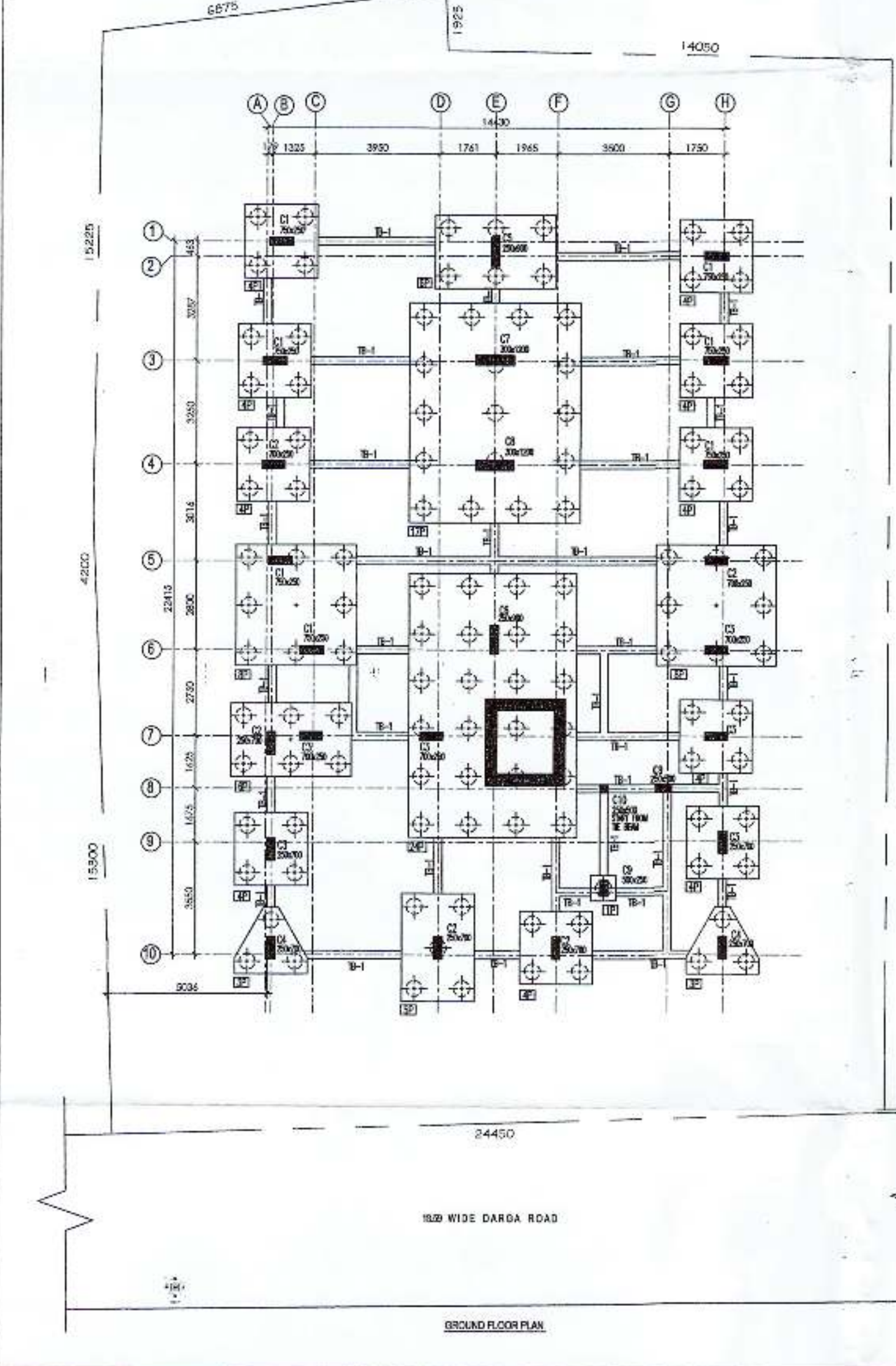
| SL. NO. | BEAM MARKED | SPAN | SUPPORT | | STRAPINGS | |
|---------|-------------|------|---------|--------|-----------|--------|
| | | | TOP | BOTTOM | TOP | BOTTOM |
| 1 | 18-1 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 2 | 18-2 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 3 | 18-3 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 4 | 18-4 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 5 | 18-5 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 6 | 18-6 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 7 | 18-7 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 8 | 18-8 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 9 | 18-9 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 10 | 18-10 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 11 | 18-11 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 12 | 18-12 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 13 | 18-13 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 14 | 18-14 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 15 | 18-15 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 16 | 18-16 | 250 | 2-16 | 2-16 | 2-16 | 2-16 |
| 17 | 18-17 | 200 | 2-16 | 2-16 | 2-16 | 2-16 |

FILE-CAP SCHEDULE
GRADE OF CONCRETE-M25

| TYPE | SIZE | DEPTH | REINFORCEMENT IN | REINFORCEMENT IN |
|------|-----------|-------|-----------------------|-----------------------|
| | | | SHOULDER | LOWER |
| 1P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 2P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 3P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 4P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 5P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 6P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 7P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 8P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 9P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 10P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 11P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 12P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 13P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 14P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 15P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 16P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 17P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 18P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 19P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |
| 20P | Ø 800/800 | 800 | 10 Ø 16 @ 100 C/C (T) | 10 Ø 16 @ 100 C/C (B) |

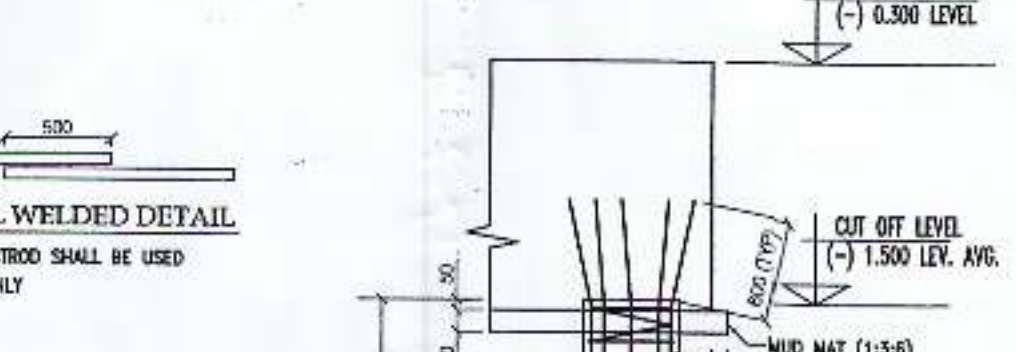
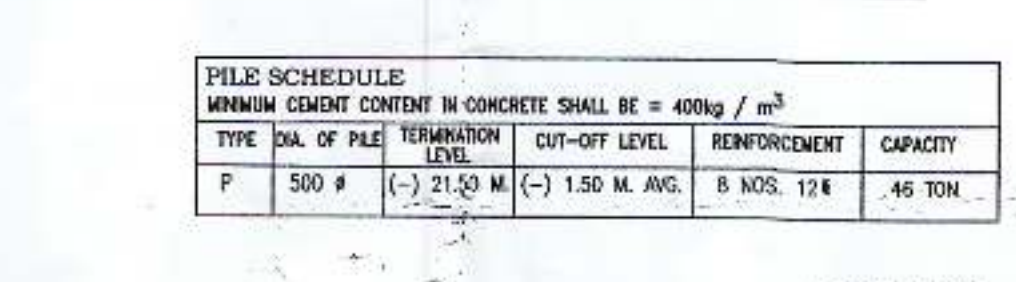
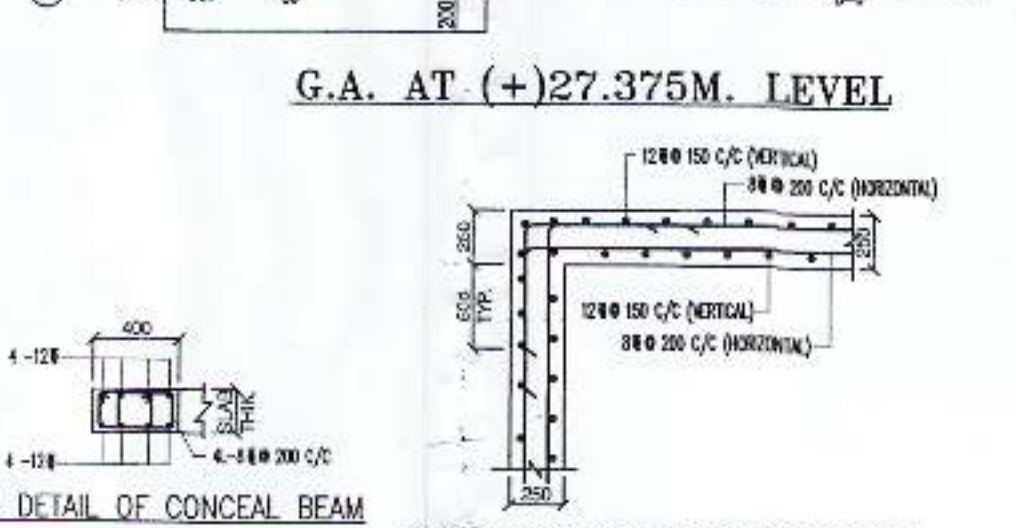
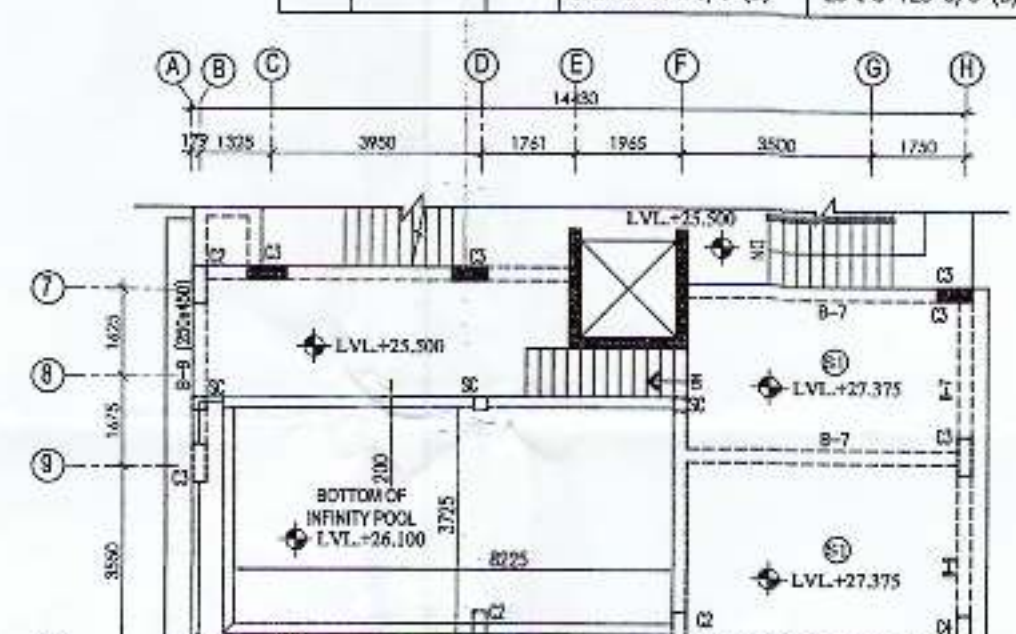
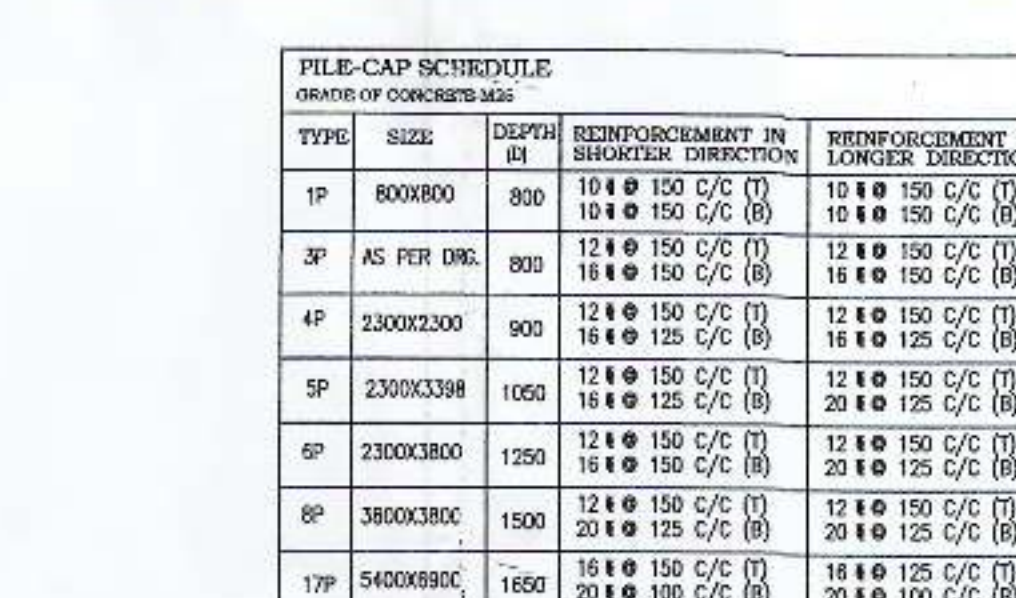
SLAB SCHEDULE
GRADE OF CONCRETE-M25

| SL. NO. | SLAB MARKED | THICKNESS | SHORTER DIRECTION | | LONGER DIRECTION | |
|---------|-------------|-----------|-------------------|---------------|------------------|---------------|
| | | | SUPPORT | TOP | SUPPORT | TOP |
| 1 | S1 | 115 | Ø 8 @ 200 C/C | Ø 8 @ 200 C/C | Ø 8 @ 200 C/C | Ø 8 @ 200 C/C |
| 2 | S2 | 125 | Ø 8 @ 175 C/C | Ø 8 @ 150 C/C | Ø 8 @ 200 C/C | Ø 8 @ 175 C/C |
| 3 | S3 | 125 | Ø 8 @ 150 C/C | Ø 8 @ 200 C/C | Ø 8 @ 200 C/C | Ø 8 @ 200 C/C |



PILE SCHEDULE
MINIMUM CEMENT CONTENT IN CONCRETE SHALL BE = 400kg/m³

| TYPE | SIZE OF PILE | REINFORCEMENT | CUT-OFF LEVEL | CAPACITY |
|------|--------------|---------------|------------------|--------------------|
| P | Ø 300 x 300 | (-) 21-25 M | (-) 1.50 M. AVG. | 6 NOS. 12 x 45 TON |



CERTIFICATE OF STRUCTURAL ENGINEER.

THE STRUCTURAL DESIGN AND DRAWINGS 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 RESPECTS.

Son Kazi
E.S.E. 1-271
Kolkata Municipal Corporation

Prajanta Kumar Ghosh
Geotechnical Engineer
LICENSED No. 61906

Mr. Sonam Kazi
SIGNATURE OF STRUCTURAL ENGINEER.

CERTIFICATE OF ARCHITECT.

CERTIFIED WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN AS PROVISION OF K.M.C. RULE, 1990 ARRANGED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ROAD CONFORM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP-TANK.

ANDAM GHOSH
CA / 2007 / 41093

Mr. Andam Ghosh
SIGNATURE OF ARCHITECT.

PROJECT:

PROPOSED GROUND-FLOOR STORED RESIDENTIAL BUILDING PLAN (BT: 25.5 M AT P.R. NO. 25C, DARGA ROAD, WARD-6A, KOLKATA - 700017 (HOW R.M.W.M. AS 231 S&M.E. YS) PREPARED UNDER SECTION 393A OF K.M.C. ACT 1990 AND BUILDING RULES 2009.

PROJECT ARCHITECTS:

GEOMETRICS ARCHITECTURE & INTERIORS

STRUCTURAL ENGINEER:

POSEIDON ENGINEERING SERVICES
32, PANDEITA ROAD
KOLKATA - 700009
E-Mail: sonamkazi@yahoo.co.in

TITLE: STRUCTURAL DRAWING

DRAWN BY: SUKANTA DATE: 08.09.2018 SHEET NO.: 01
CHECKED BY: SOMA KAZI SCALE: 1:100, 1:25 REVISION: 0
JOB NO.: 2016 / 10 / GEOMETRICS / INVENT
DRG. NO.: 2016 / 10 / GEOMETRICS / INVENT / CS 01

STATUS: TENDER APPROVAL CORP.