

SCHEDULE OF R.C. COLUMN

| COLUMN MARKED   | COLUMN SIZE | MAIN REINFORCEMENT |                  |                  |                        |
|---|-------------|--------------------|------------------|------------------|------------------------|
|   |             | AT GR. FLOOR       | AT 1ST FLOOR     | AT 2ND FLOOR     | LINKS                  |
| C1, C2, C3, C4, C5, C8, C9, C13, C16, C20, C21, C22, C23, C24, C25. | 250 x 350   | 4-16 ̄<br>2-12 ̄   | 4-16 ̄<br>2-12 ̄ | 4-16 ̄<br>2-12 ̄ | 4 L-8mm ̄<br>⊙ 150 c/c |
| C6, C7, C10, C11, C12, C14, C15, C17, C18, C19.                     | 250 x 350   | 6-16 ̄             | 6-16 ̄           | 4-16 ̄<br>2-12 ̄ | 4 L-8mm ̄<br>⊙ 150 c/c |

SCHEDULE OF FOUNDATION

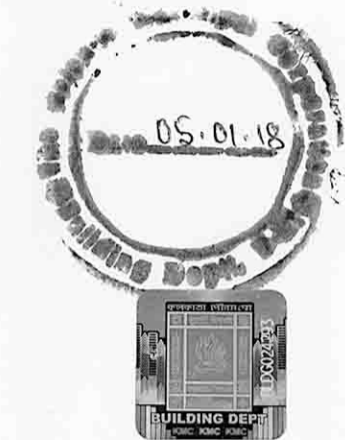
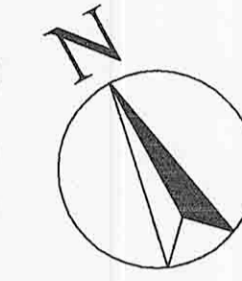
| FOUNDATION MARKED | FOUNDATION SIZE | d1  | d2  | FOUNDATION REINFORCEMENT |                    | PEDESTAL SIZE |     |     | PEDESTAL REINFORCEMENT                                       |
|-------------------|-----------------|-----|-----|--------------------------|--------------------|---------------|-----|-----|--|
|                   |                 |     |     | Ast. SHORT               | Ast. LONG          | a             | b   | c   |  |
| F1                | 2100x2100       | 250 | 250 | 12mm ̄ ⊙ 100mm C/C       | 12mm ̄ ⊙ 100mm C/C | 600           | 600 | 200 | <p>VERTICAL ROD = 10 ̄ (4 + 4)<br/>LINKS = 8 ̄ ⊙ 150 C/C</p> |
| F2                | 2300x2300       | 250 | 250 | 12mm ̄ ⊙ 150mm C/C       | 12mm ̄ ⊙ 150mm C/C | 600           | 600 | 200 |  |
| F3                | 2500x2500       | 250 | 250 | 12mm ̄ ⊙ 150mm C/C       | 12mm ̄ ⊙ 150mm C/C | 600           | 600 | 200 |  |

SCHEDULE OF R.C. SLAB

| SLAB MARKED | THICKNESS OF SLAB | MID SPAN REINFORCEMENT     | SUPPORT REINFORCEMENT      |                            | DISTRIBUTION STEEL |
|-------------|-------------------|----------------------------|----------------------------|----------------------------|--------------------|
|             |                   |                            | TOP                        | BOTTOM                     |                    |
| S1          | 110               | 8mm ̄ ⊙ 125mm C/C BOTH WAY | 8mm ̄ ⊙ 125mm C/C BOTH WAY | 8mm ̄ ⊙ 125mm C/C BOTH WAY | 8mm ̄ ⊙ 250mm C/C  |
| S2          | 120               | 8mm ̄ ⊙ 100mm C/C BOTH WAY | 8mm ̄ ⊙ 100mm C/C BOTH WAY | 8mm ̄ ⊙ 100mm C/C BOTH WAY | 8mm ̄ ⊙ 200mm C/C  |
| WAIST SLAB  | 125               | 12mm ̄ ⊙ 125mm C/C         | 12mm ̄ ⊙ 125mm C/C         | 12mm ̄ ⊙ 125mm C/C         | 8mm ̄ ⊙ 200mm C/C  |

SCHEDULE OF R.C. FLOOR BEAM

| BEAM MARKED   | BEAM SIZE |     | BEAM REINFORCEMENT   |          |                      |                      |                            |          |                     |                    |
|---------------|-----------|-----|----------------------|----------|----------------------|----------------------|----------------------------|----------|---------------------|--------------------|
|               | B         | D   | END SUPPORT          |          | MID SPAN             |                      | CONTINUOUS/CANTILEVER SUP. |          | STIRRUPS            |                    |
|               |           |     | TOP                  | BOTTOM   | TOP                  | BOTTOM               | TOP                        | BOTTOM   | SUPPORT             | MID SPAN           |
| B1            | 250       | 400 | 2-16mm ̄<br>1-16mm ̄ | 2-16mm ̄ | 2-16mm ̄<br>1-16mm ̄ | 2-16mm ̄<br>1-16mm ̄ | 2-16mm ̄<br>1-16mm ̄       | 2-16mm ̄ | 2L-8mm ̄ ⊙ 150 C/C  | 2L-8mm ̄ ⊙ 150 C/C |
| HL            | 250       | 400 | 2-16mm ̄<br>1-16mm ̄ | 2-16mm ̄ | 2-20mm ̄             | 2-16mm ̄<br>1-16mm ̄ | 2-16mm ̄<br>1-16mm ̄       | 2-16mm ̄ | 2L-10mm ̄ ⊙ 150 C/C | 2L-8mm ̄ ⊙ 150 C/C |
| ALL TIE BEAMS | 250       | 400 | 3-16mm ̄             | 3-16mm ̄ | 3-16mm ̄             | 3-16mm ̄             | 3-16mm ̄                   | 3-16mm ̄ | 2L-8mm ̄ ⊙ 150 C/C  | 2L-8mm ̄ ⊙ 150 C/C |



NOTES :

- ALL DIMENSIONS ARE IN MM. UNLESS MENTIONED OTHERWISE.
- GRADE OF CONCRETE M-20 (1:2:3).
- GRADE OF STEEL "Fe-415".
- CLEAR COVER OF MAIN REINFORCEMENTS.  
a) FOUNDATIONS = 60 MM & R.C. COLS.=40 MM.  
b) R.C. TIE BEAMS & FLOOR BEAMS = 25 MM.  
c) R.C. SLABS = 20 MM.
- LAP LENGTHS & BOND LENGTHS AS PER LATEST EDITION OF N.B.C. INDIA.

DECLARATION OF STRUCTURAL ENGINEER :

CERTIFIED THAT THE STRUCTURAL DESIGN & DRAWINGS OF BOTH FOUNDATION AND SUPER STRUCTURE 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.

*Dipankar Bhowmick*  
DIPANKAR BHOWMICK

ESE No.-343 / II  
259, Prantik Pally, Kolkata-42

SIG. OF STRUCTURAL ENGINEER

PROPOSED THREE STORIED RESIDENTIAL BUILDING (U/S - 393 A OF CMC ACT, 1980) AT PREMISES No. - 17, NIVEDITA SARANI, WARD No. - 104, BOROUGH - XI, KOLKATA - 700078, P. S. - GARFA, P. O. - GARFA, C. S. DAG No. - 1188, R. S. DAG No. - 1445, C. S. KHATIAN No. - 699, R. S. KHATIAN No. - 749, MOUZA - GARFA, J. L. No. - 19, Re. Su. No. - 2, DIST. - 24 PGS (S).

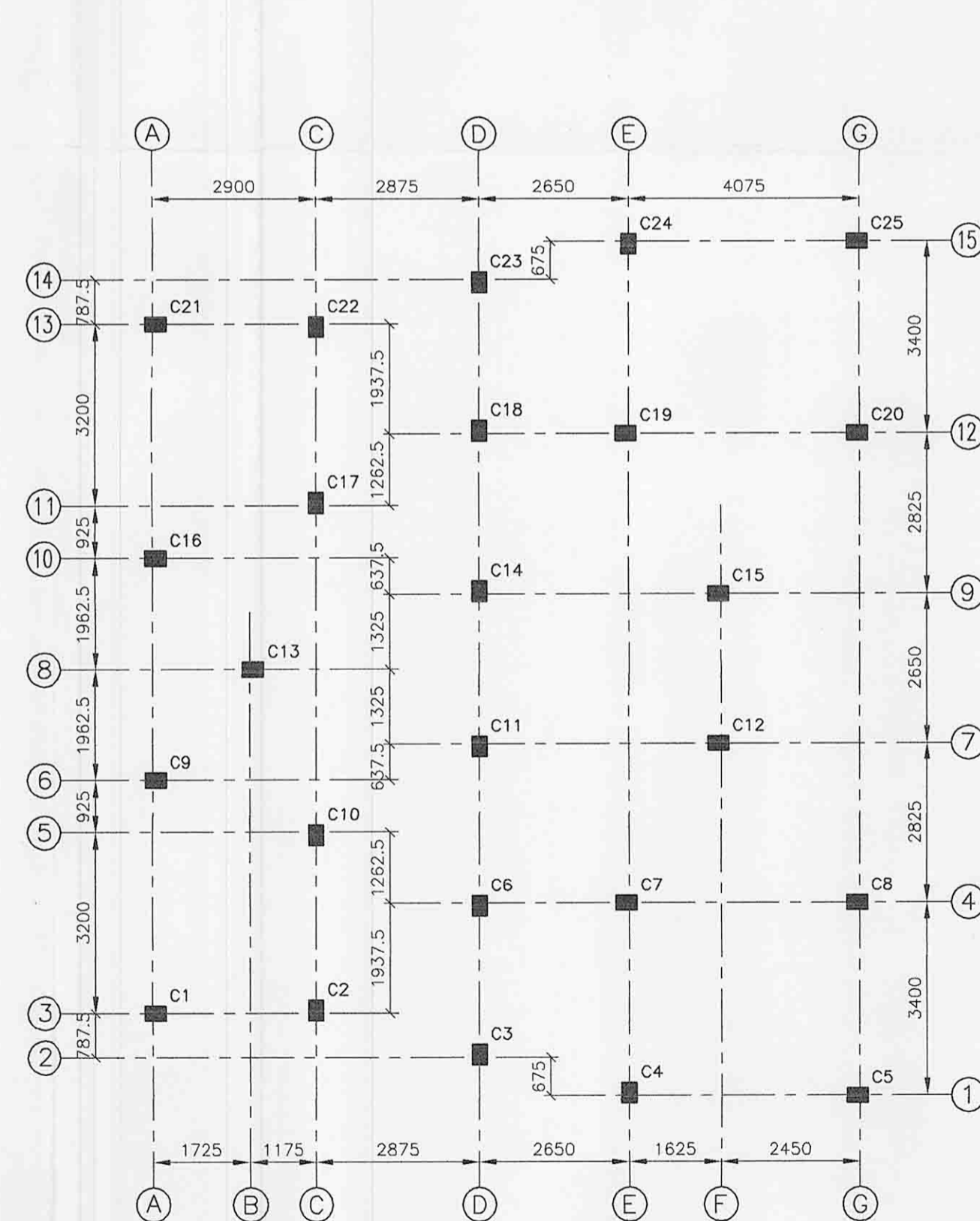
SCALE - 1:25, 1:100

*Tapash Kumar Das*  
AS CONSTITUTED ATTORNEY FOR  
Smt. Indira Das  
Sri Ranjit Kumar Das

*Jyotirmoy Chakraborty*  
Jyotirmoy Chakraborty  
L.B.S. No.-1548, Class-I  
The Kolkata Municipal Corporation

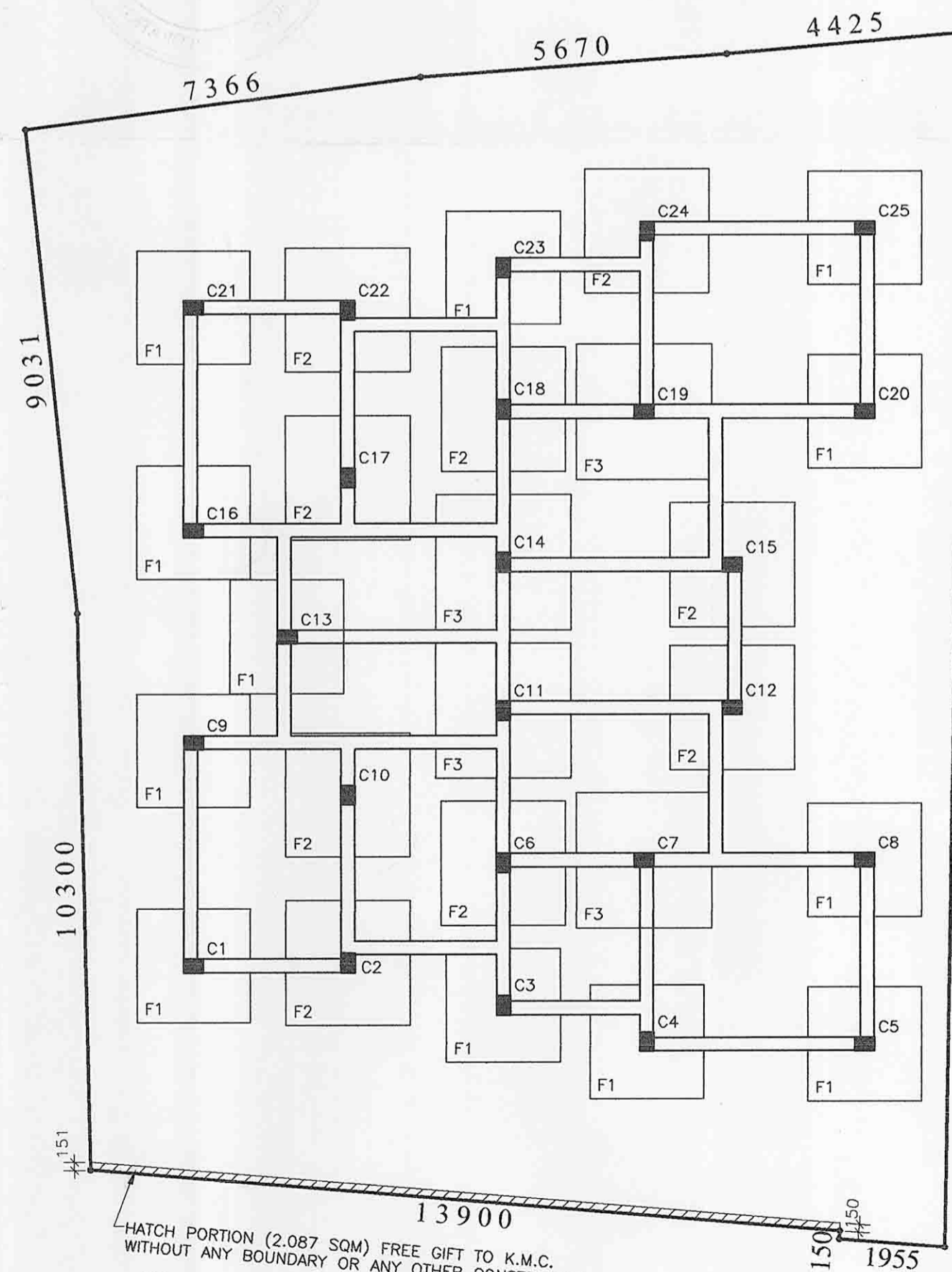
SIG. OF OWNER

SIG. OF L.B.S.



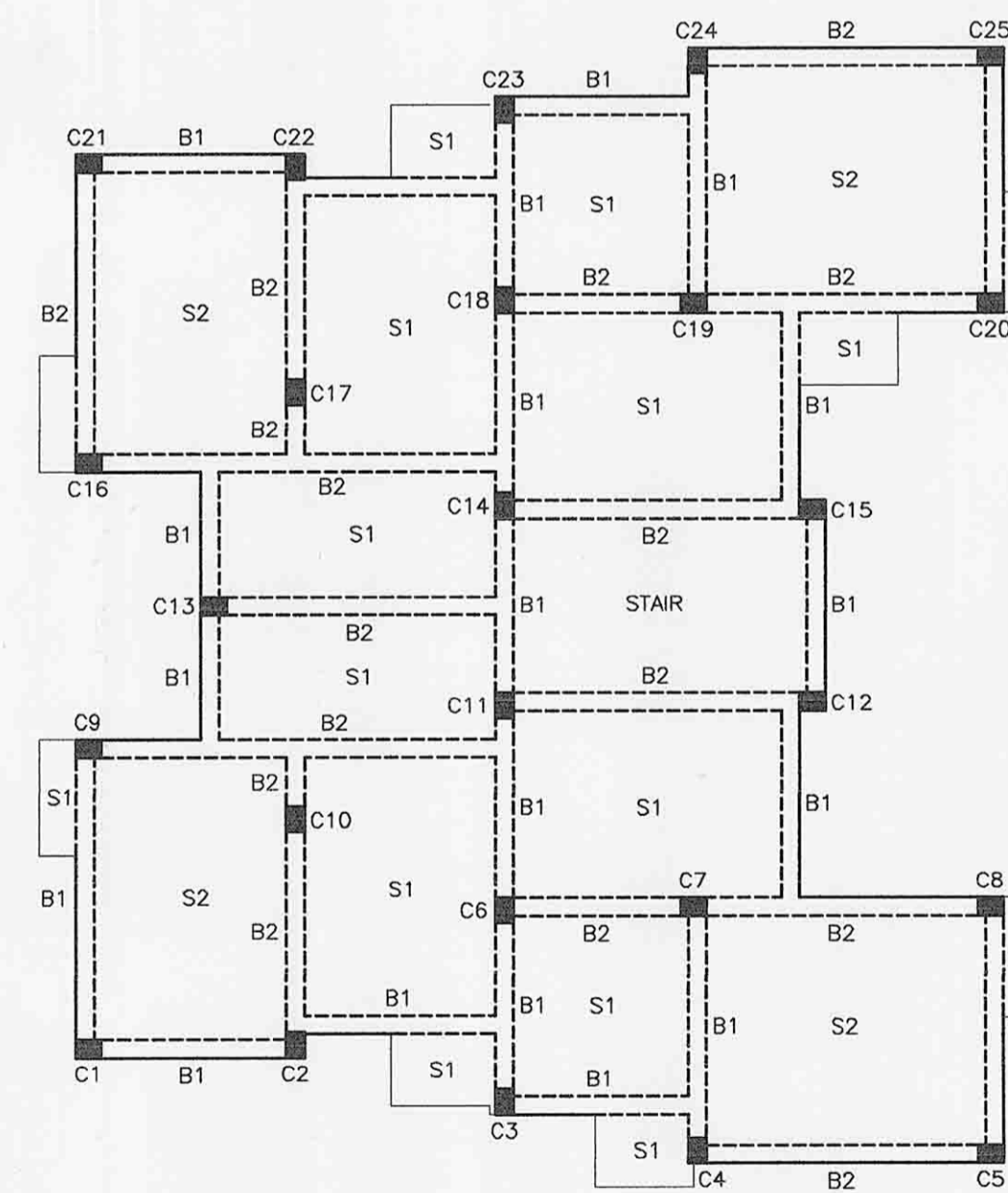
COLUMN LAYOUT

SCALE - 1:100



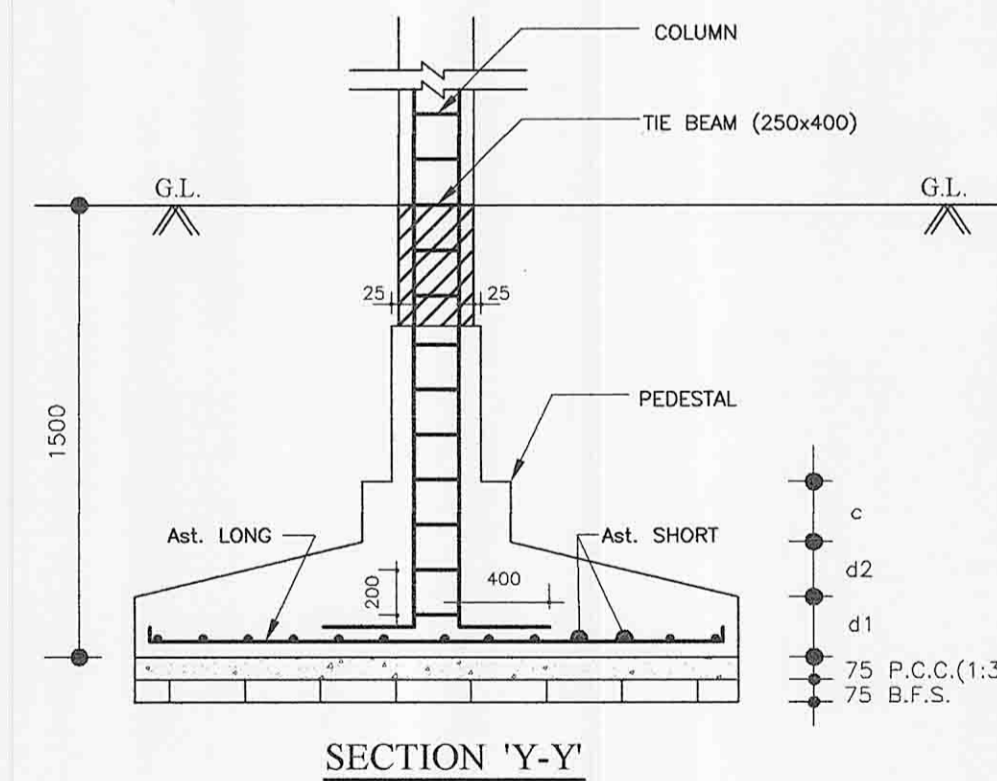
FOUNDATION LAYOUT

SCALE - 1:100

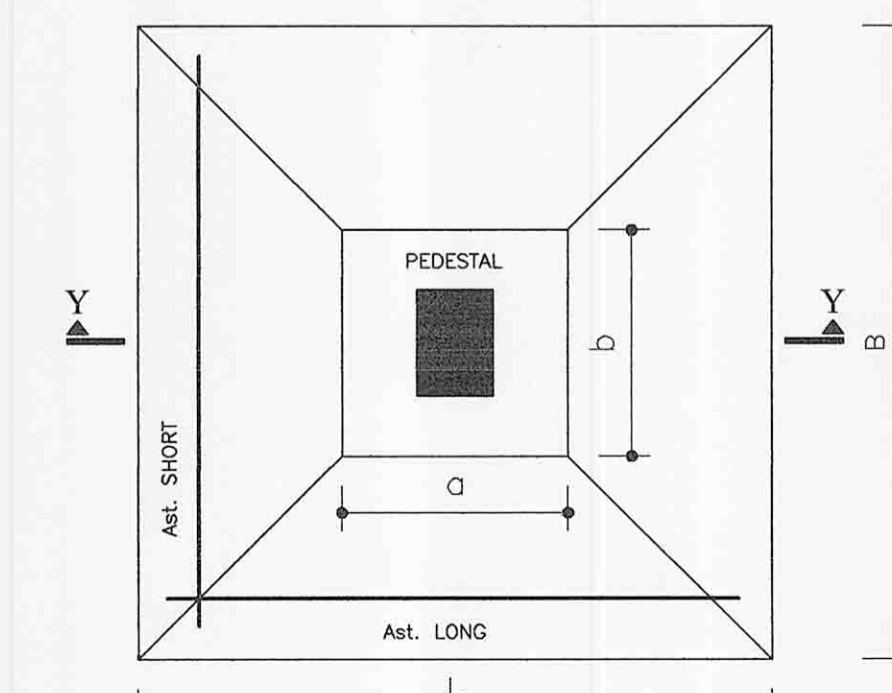


BEAM LAYOUT

SCALE - 1:100



SECTION 'Y-Y'



DETAILS OF ISOLATED FOOTING

SCALE - 1:25