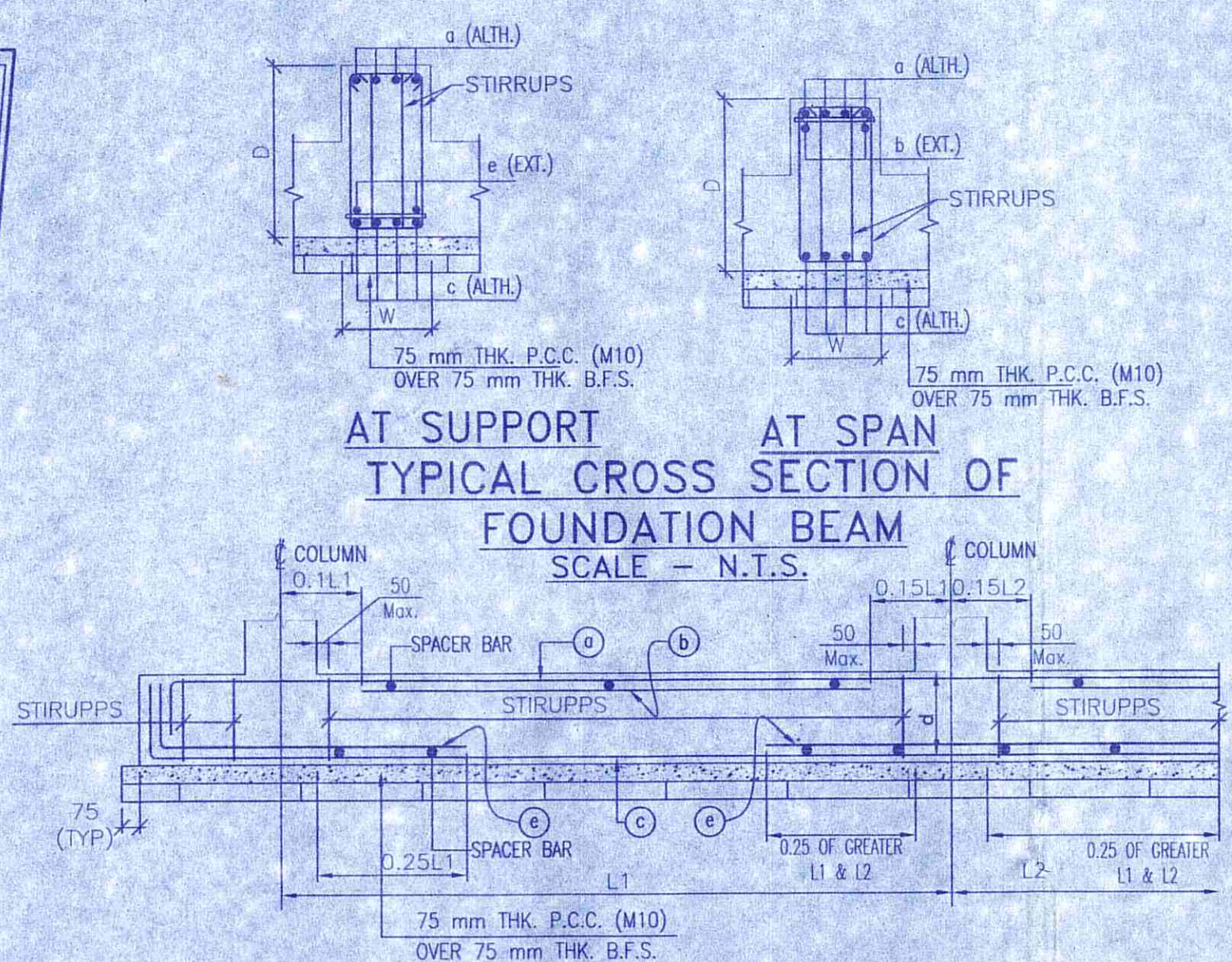


FOUNDATION LAYOUT PLAN  
RS MARKED SLAB 750mm THK.  
SCALE - 1:100



AT SUPPORT AT SPAN  
TYPICAL CROSS SECTION OF  
FOUNDATION BEAM  
SCALE - N.T.S.

TYPICAL ARRANGEMENT OF REINFORCEMENT  
IN FOUNDATION BEAM  
(AS PER SP 34-1987)  
SCALE - N.T.S.

| SCHEDULE OF RAFT SLAB |                     |                                       |                   |                                      |                   |
|-----------------------|---------------------|---------------------------------------|-------------------|--------------------------------------|-------------------|
| SLAB MARKED           | SLAB THICKNESS (mm) | REINFORCEMENT ALONG SHORTER DIRECTION |                   | REINFORCEMENT ALONG LONGER DIRECTION |                   |
|                       |                     | BOTTOM                                | TOP               | BOTTOM                               | TOP               |
| RS                    | 750                 | 16 $\phi$ 125 C/C                     | 16 $\phi$ 125 C/C | 16 $\phi$ 125 C/C                    | 16 $\phi$ 125 C/C |

| SCHEDULE OF RAFT BEAMS |           |                             |               |                             |                  |                      |                   |
|------------------------|-----------|-----------------------------|---------------|-----------------------------|------------------|----------------------|-------------------|
| BEAM MARKED            | BEAM SIZE | TOP REINFORCEMENT           |               | BOTTOM REINFORCEMENT        |                  | STIRRUPS             | SIDE FACE         |
|                        |           | ALTHROUGH                   | EXTRA AT SPAN | ALTHROUGH                   | EXTRA AT SUPPORT |                      |                   |
| RFB1                   | 925 750   | 6-16 $\phi$                 | 2-16 $\phi$   | 6-16 $\phi$                 | 4-16 $\phi$      | 6L-8 $\phi$ 200 C/C  | -                 |
| RFB2                   | 850 750   | 8-16 $\phi$                 | 2-16 $\phi$   | 8-16 $\phi$                 | 7-16 $\phi$      | 4L-12 $\phi$ 100 C/C | -                 |
| RFB3                   | 850 750   | 6-16 $\phi$                 | -             | 6-16 $\phi$                 | -                | 4L-8 $\phi$ 150 C/C  | -                 |
| RFB4                   | 800 750   | 5-16 $\phi$                 | -             | 5-16 $\phi$                 | 3-16 $\phi$      | 4L-10 $\phi$ 100 C/C | -                 |
| RFB5                   | 800 750   | 5-16 $\phi$                 | -             | 5-16 $\phi$                 | 5-16 $\phi$      | 4L-10 $\phi$ 100 C/C | -                 |
| RFB6                   | 900 750   | 6-16 $\phi$                 | 2-16 $\phi$   | 6-16 $\phi$                 | 3-16 $\phi$      | 4L-8 $\phi$ 125 C/C  | -                 |
| RFB7                   | 500 750   | 4-16 $\phi$                 | -             | 4-16 $\phi$                 | 3-16 $\phi$      | 4L-8 $\phi$ 200 C/C  | -                 |
| RFB8                   | 650 2350  | 5-16 $\phi$<br>+3-20 $\phi$ | -             | 5-16 $\phi$<br>+3-20 $\phi$ | -                | 4L-8 $\phi$ 200 C/C  | 12 $\phi$ 150 C/C |
| RFB9                   | 700 750   | 5-16 $\phi$                 | -             | 5-16 $\phi$                 | 4-16 $\phi$      | 4L-8 $\phi$ 100 C/C  | -                 |
| RFB10                  | 700 750   | 5-16 $\phi$                 | -             | 5-16 $\phi$                 | -                | 4L-8 $\phi$ 150 C/C  | -                 |
| RFB11                  | 450 750   | 3-16 $\phi$                 | -             | 3-16 $\phi$                 | -                | 4L-8 $\phi$ 200 C/C  | -                 |
| RFB12                  | 450 750   | 3-16 $\phi$                 | -             | 3-16 $\phi$                 | 3-16 $\phi$      | 4L-8 $\phi$ 100 C/C  | -                 |
| RFB13                  | 400 750   | 3-16 $\phi$                 | -             | 3-16 $\phi$                 | -                | 4L-8 $\phi$ 200 C/C  | -                 |
| RFB13A                 | 400 2350  | 3-16 $\phi$<br>+3-20 $\phi$ | -             | 3-16 $\phi$<br>+3-20 $\phi$ | -                | 4L-8 $\phi$ 200 C/C  | 12 $\phi$ 150 C/C |
| RFB14                  | 425 750   | 3-16 $\phi$                 | -             | 3-16 $\phi$                 | 2-16 $\phi$      | 4L-8 $\phi$ 150 C/C  | -                 |

- NOTES:-
- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
  - ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS, AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH).
  - ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
  - ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
  - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
  - ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
  - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
  - UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T @ 250 C/C.
  - CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:  
i) RAFT BEAM & SLAB : 50 mm  
ii) RETAINING WALL : 50 mm
  - GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS:456:2000.
  - DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987.
  - THE NET SAFE BEARING CAPACITY OF THE RAFT SHOWN IN THE DRAWING AT DEPTH (-)3.50m. FROM G.L. HAVE BEEN CONSIDERED 14.0 T/SQM ON THE BASIS OF SOIL REPORT PREPARED BY MR. ASIM SARKAR. THIS MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEOTECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING.
  - THE N VALUE AS DESCRIBED UNDER NOTES OF TABLE-1 OF IS-1893 (PART-1)-2016 SHOULD BE ENSURED TO BE GREATER THAN 15 FOR VALIDITY OF THIS DESIGN AND DRAWING.

TITLE  
STRUCTURAL DRAWING OF PROPOSED NINE (B+G+8) STORIED RESIDENTIAL APARTMENT OF KESHOB BUILDCON, HAVING PARTNERS 1.) BISWANATH DEY, 2.) SOUMITRA MUKHERJEE & 3.) SABYASACHI CHATTERJEE, OVER, R.S. PLOT NO:- 8(P), L.R PLOT NO:- 82(P) J.L. NO- 109, L.R KHATIAN NO.-2806, OF MOUZA -SANKARPUR, P.S.- N.T.S.P.S, DIST. - PASCHIM BARDHAMAN

SIGNATURE OF OWNER  
  
SIGNATURE OF CONSULTANT/ARCHITECT

Jui Chatterjee  
AR, JUI CHATTERJEE & ARCH  
Registration No : CA/2021/134352  
Ph : 9434649399, 7585893411  
4/13, Suhaita Commercial Complex,  
City Centre, Durgapur - 713216

SIGNATURE OF GEO-TECHNICAL ENGINEER  
  
ASIM SARKAR  
BCE, MEBS OIL, MIGS, MIE  
EMPANELLED GEOTECHNICAL ENGINEER  
LIC No. GTECLAS5-92

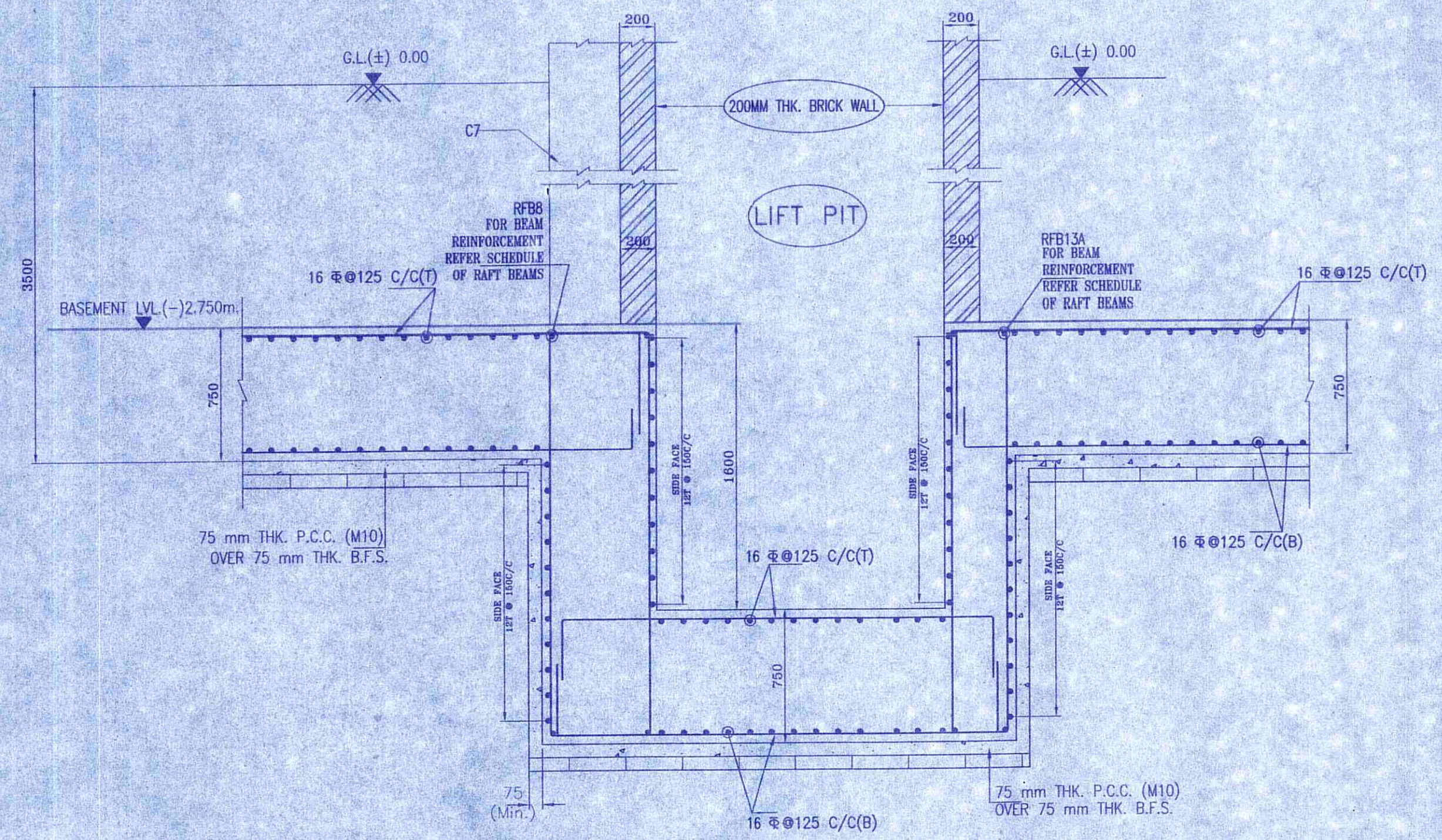
SIGNATURE OF STRUCTURAL ENGINEER  
  
SUSMITA CHOUDHURY  
B.TECH (CIVIL) - WBUT  
ME (CONSTRUCTION) - JU  
ESE - I (JURISPR) 130  
ESE - II (KMC) 664  
STER/NRDA/21/00010  
CYBER/NRDA/10/00175  
(M) - 8697517321/7003201735

SIGNATURE OF VETTING AUTHORITY  
  
CHECKED & VETTED  
DR. DIPANKAR CHAKRABORTY  
B.TECHNICAL ENGINEER (M.TECH)  
PROFESSOR & HEAD, DEPARTMENT OF CIVIL ENGINEERING  
B.E.M.U. GOLD MEDALIST  
M.TECH (STRUCTURAL) GOLD MEDALIST  
PH.D. (IT RGPV)  
(M) 9830188502 & 9432983143  
EMAIL: Prof.dipankar@gmail.com

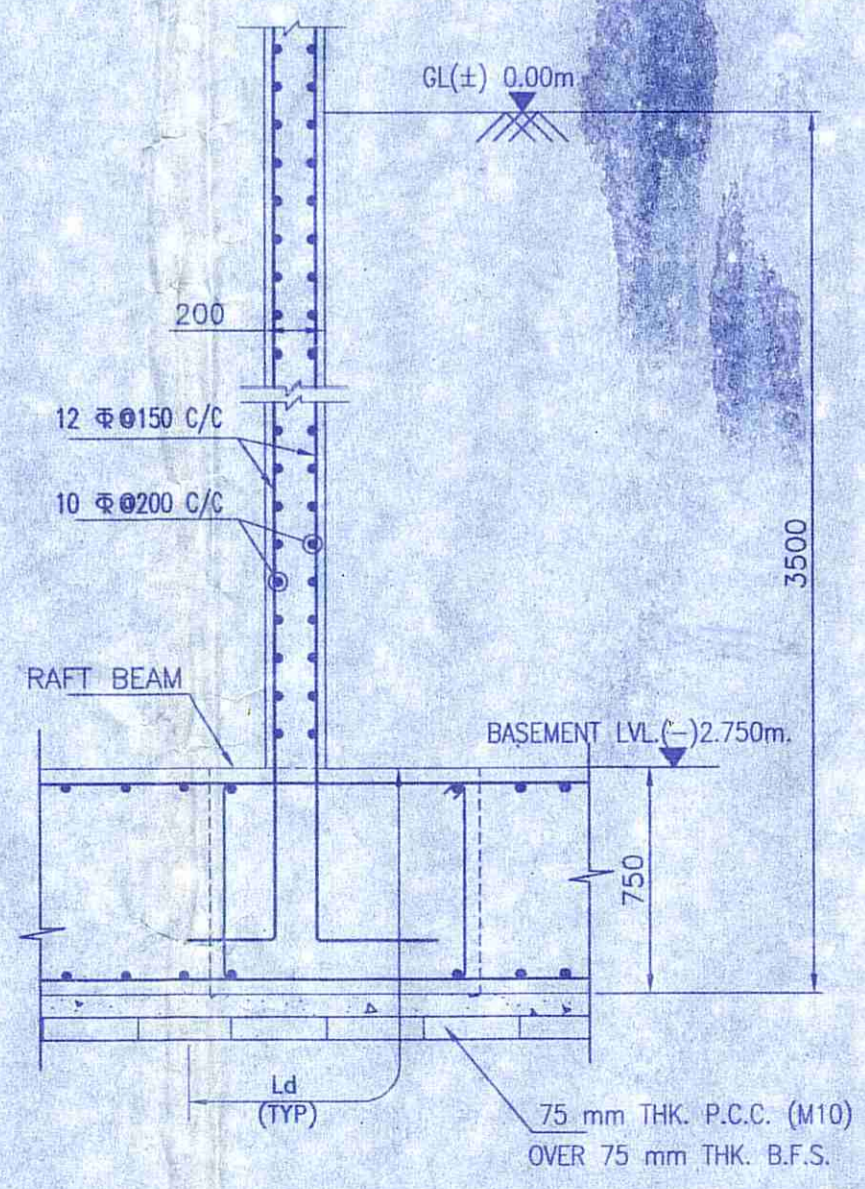
STRUCTURAL CONSULTANT:  
STRUCTCON ENTERPRISE  
REGD. ADDRESS: ASHRAY APARTMENT,  
GROUND FLOOR  
96B, KALIKAPUR ROAD,  
KOLKATA - 700 099  
Email - structconenterprise@gmail.com  
Mobile - 8697517321, 7003201735

DRAWING TITLE  
FOUNDATION LAYOUT PLAN & REINFORCEMENT DETAILS.  
SCALE - 1:100 OR AS SHOWN  
DATE - 21.06.2022  
SHEET NO. - 1 OF 4 SHEET SIZE. - A1

SPECIAL NOTE:-  
1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.  
2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.



SECTION - A-A  
SCALE - 1:25



DETAILS OF RETAINING WALL  
SECTION - 1-1  
SCALE - 1:25