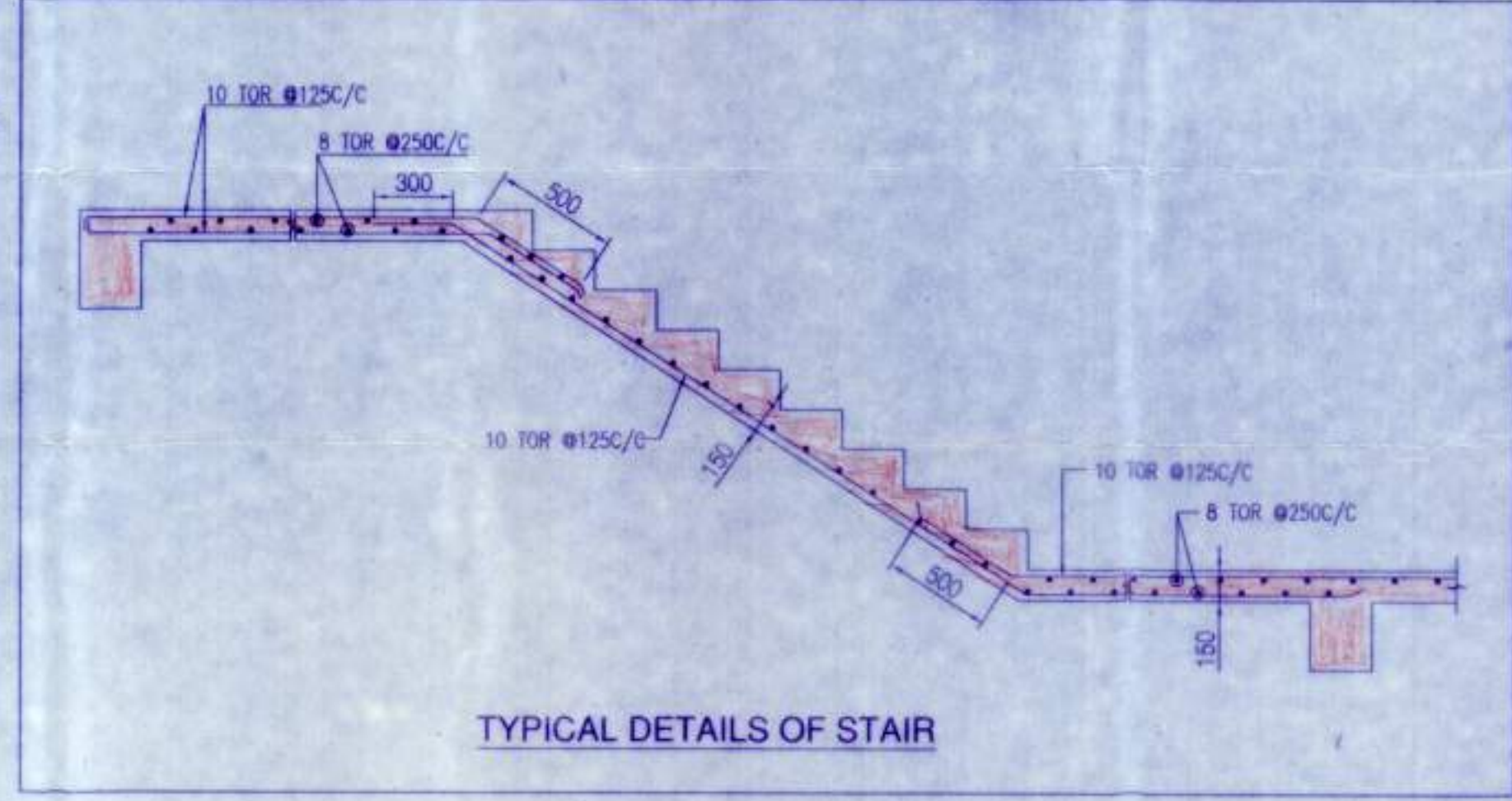


| FLOOR BEAM SCHEDULE     |           |       |                        |        |                         |        |                 |                  |                |                |
|-------------------------|-----------|-------|------------------------|--------|-------------------------|--------|-----------------|------------------|----------------|----------------|
| GRADE OF CONCRETE - M30 |           |       |                        |        |                         |        |                 |                  |                |                |
| BEAM MKD                | BEAM SIZE |       | REINFT. AT LEFT SUPPT. |        | REINFT. AT RIGHT SUPPT. |        | REINFT. AT SPAN |                  | STIRRUPS       |                |
|                         | WIDE      | DEPTH | TOP                    | BOTTOM | TOP                     | BOTTOM | TOP             | BOTTOM           | SUPPORT        | SPAN           |
| B1                      | 300       | 600   | 3-T25<br>3-T25         | 3-T25  | 3-T25<br>+ 3-T25        | 3-T25  | 2-T25           | 3-T25<br>+ 3-T25 | 2L-T8 @100C/C  | 2L-T8 @200C/C  |
| B2                      | 600       | 600   | 6-T25                  | 6-T25  | 6-T25                   | 6-T25  | 6-T25           | 6-T25            | 4L-T10 @100C/C | 4L-T10 @200C/C |
| B3                      | 600       | 600   | 8-T25<br>8-T25         | 8-T25  | 8-T25<br>+ 8-T25        | 8-T25  | 6-T25           | 8-T25<br>+ 4-T25 | 4L-T10 @100C/C | 4L-T10 @200C/C |
| B4                      | 300       | 600   | 3-T25<br>2-T25         | 3-T25  | 3-T25<br>+ 2-T25        | 3-T25  | 2-T25           | 3-T25            | 2L-T8 @100C/C  | 2L-T8 @200C/C  |
| B5                      | 600       | 600   | 8-T25<br>8-T25         | 8-T25  | 8-T25<br>+ 8-T25        | 8-T25  | 8-T25           | 8-T25            | 4L-T10 @100C/C | 4L-T10 @100C/C |
| B6                      | 300       | 600   | 2-T20                  | 2-T20  | 2-T20                   | 2-T20  | 2-T20           | 3-T20            | 2L-T8 @200C/C  | 2L-T8 @200C/C  |
| B7                      | 300       | 600   | 3-T25<br>3-T25         | 3-T25  | 3-T25<br>+ 3-T25        | 3-T25  | 2-T25           | 3-T25<br>+ 3-T25 | 2L-T8 @100C/C  | 2L-T8 @200C/C  |
| B8                      | 300       | 600   | 3-T25<br>3-T25         | 3-T25  | 3-T25<br>+ 3-T25        | 3-T25  | 2-T25           | 3-T25<br>+ 3-T25 | 2L-T8 @150C/C  | 2L-T8 @150C/C  |
| B9                      | 250       | 600   | 3-T20<br>3-T20         | 3-T20  | 3-T20<br>+ 3-T20        | 3-T20  | 2-T20           | 3-T20<br>+ 3-T20 | 2L-T8 @100C/C  | 2L-T8 @200C/C  |
| B10                     | 250       | 600   | 3-T20                  | 3-T20  | 3-T20                   | 3-T20  | 3-T20           | 3-T20            | 2L-T8 @150C/C  | 2L-T8 @150C/C  |
| B11                     | 200       | 600   | 3-T16                  | 3-T16  | 3-T16                   | 3-T16  | 3-T16           | 3-T16            | 2L-T8 @150C/C  | 2L-T8 @150C/C  |
| MB1                     | 250       | 600   | 3-T20                  | 3-T16  | 3-T20                   | 3-T16  | 2-T20           | 5-T16            | 2L-T8 @100C/C  | 2L-T8 @200C/C  |

| SLAB SCHEDULE           |        |   |   |
|-------------------------|--------|---|---|
| GRADE OF CONCRETE - M30 |        |   |   |
| SLAB MKD                | DEPTH  | REINFT. AT SHORTER SPAN                   | REINFT. AT LONGER SPAN                    |
| S1                      | 175THK | T10 @250 C/C (ST.)<br>T10 @250 C/C (CKD.) | T10 @300 C/C (ST.)<br>T10 @300 C/C (CKD.) |
| S2                      | 175THK | T10 @250 C/C (ST.)<br>T10 @250 C/C (CKD.) | T10 @250 C/C (ST.)<br>T10 @250 C/C (CKD.) |
| S3                      | 150THK | T10 @300 C/C (ST.)<br>T10 @300 C/C (CKD.) | T10 @400 C/C (ST.)<br>T10 @400 C/C (CKD.) |
| S4                      | 150THK | T10 @400 C/C (ST.)<br>T10 @400 C/C (CKD.) | T10 @400 C/C (ST.)<br>T10 @400 C/C (CKD.) |
| S5                      | 200THK | T12 @125 C/C (BOTT.)                      | T12 @125 C/C (BOTT.)                      |
| S6                      | 200THK | T12 @300 C/C (ST.)<br>T12 @300 C/C (CKD.) | T12 @300 C/C (ST.)<br>T12 @300 C/C (CKD.) |

- NOTES:-
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
  - ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING THE WORK.
  - SUPER STRUCTURE - SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
  - THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
  - ALL GRADE OF CONCRETE AS/ SCH.
  - ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
  - FOR STEEL GRADE Fe 550.
  - ALL DISTRIBUTION BARS ARE 8-TOR @ 250 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
  - ALL CHAIRS ARE 10 TOR AND TO BE PROVIDED WHEREVER REQUIRED.
  - ALL SPACER BARS ARE 25 TOR @ 900 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
  - LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE LARGEST BAR DIA.
  - FOUNDATION & PLINTH - BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
  - MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS: MEMBER
- |                           | TOP | BOTTOM | SIDE |
|---------------------------|-----|--------|------|
| a. FOUNDATION BEAM & SLAB | 50  | 50     | 50   |
| b. COLUMN                 |     |        | 40   |
| c. FLOOR BEAM             | 30  | 30     | 30   |
| d. TIE BEAM               | 40  | 40     | 40   |
| e. FLOOR SLAB             | 25  | 25     | 25   |
14. THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION.



DECLARATION OF ENGINEER / ARCHITECT

I DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT I / WE SHALL ENGAGE L.B.A & E.S.E DURING CONSTRUCTION / I / WE SHALL FOLLOW THE INSTRUCTIONS OF L.B.A & E.S.E DURING CONSTRUCTION OF THE BUILDING (AS PER B.S PLAN) GRAM PANCHAYETI AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING IF ANY SUBMITTED DOCUMENTS ARE FOUND TO BE FAKE. THE GRAM PANCHAYETI AUTHORITY MAY REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF WATER RESERVOIR WILL BE UNDER TAKEN UNDER THE GUIDANCE OF E.S.E / L.B.A BEFORE STARTING OF BUILDING FOUNDATION WORK.

RAM CHANDRA KANRAR  
L.B.S. (H2P) No. 30-CLASS-I  
Dhansha, Saitpara, G.L.P. Colony,  
Jagachha, Howrah  
Mob. :- 9830047085

ANUPAM GHOSH  
Reg. No. CA-2008-10

SIGNATURE OF OWNER / AUTHORITY

DECLARATION OF ENGINEER / ARCHITECT

I CERTIFY THAT ALL THE ARCHITECTURAL DRAWINGS OF THE PROJECT AT R.S. DAG NO. 637, 656, 657, 658, 659, 660, 661 / 2107, 661 & 662, L.R. DAG NO. 600, 620, 621, 622, 623, 624, 625, 626 & 627, R.S. KHATIAN NO. 1203, 1223, 1398, 1364, 1393 & 336, L.R. KHATIAN NO. 1748, MOUZA - BANKRA, J.L. NO. 55, TOUZI NO. 3989, R.S. NO. 1954, UNDER BANKRA - 1 GRAM PANCHAYETI, P.S. DOMJUR, DISTRICT HOWRAH PIN: 711 403, HAVE BEEN PREPARED BY ME COMPLYING WITH THE PROVISIONS OF HOWRAH ZILLA PARISHAD BYE LAW 2005, AND THE NATIONAL BUILDING CODE OF INDIA, AS AMENDED FROM TIME TO TIME, NO SUCH WRONG AND INCORRECT INFORMATION HAS BEEN FURNISHED BY ME INCLUDING AREA CALCULATION CHARTS IN THIS DRAWINGS AND NO VIOLATION OF THE PROVISIONS OF THESE RULES WILL BE FOUND IN ANY OF THE DRAWINGS AND DOCUMENTS, SUBMITTED TO THE SANCTIONING AUTHORITY FOR OBTAINING SANCTIONS.

RAM CHANDRA KANRAR  
L.B.S. (H2P) No. 30-CLASS-I  
Dhansha, Saitpara, G.L.P. Colony,  
Jagachha, Howrah  
Mob. :- 9830047085

ANUPAM GHOSH  
Reg. No. CA-2008-10

SIGNATURE OF ARCHITECT

CERTIFICATE OF STRUCTURAL ENGINEER

I CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING BUILDINGS HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT (AS PER THESE RULES AND REGULATIONS MADE UNDER THE ACT) AND ALSO CONSIDERING ALL POSSIBLE LOADS, SEISMIC LOAD AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER CURRENT CODES, THE BUREAU OF INDIAN STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT UP TO G+IV STORIES AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.

SANJIV J. PAREKH  
M.E. STRUCTURAL ENGINEERING  
R.C.E. FILE-F-10302-4  
E.S.E. NO. 104 (I) K.M.C.

SIGNATURE OF STRUCTURAL ENGINEER

PROJECT :-

PROPOSED BASEMENT + GROUND + FOUR STORIED [ 15.600 METER HEIGHT ]  
COMMERCIAL BUILDING AT R.S. DAG NO. 637, 656, 657, 658, 659, 660, 661 / 2107,  
661 & 662, L.R. DAG NO. 600, 620, 621, 622, 623, 624, 625, 626 & 627, R.S. KHATIAN  
NO. 1203, 1223, 1398, 1364, 1393 & 336, L.R. KHATIAN NO. 1748, MOUZA - BANKRA,  
J.L. NO. 55, TOUZI NO. 3989, R.S. NO. 1954, UNDER BANKRA - 1 GRAM PANCHAYETI,  
P.S. DOMJUR, DISTRICT HOWRAH, WEST BENGAL, PIN : 711 403.

TITLE :-

GROUND FLOOR BEAM LAYOUT

DRAWN BY - RANJAN

DATE : 31.08.2019

SCALE 1 : 100  
(UNLESS OTHERWISE MENTIONED)

ALL DIMENSIONS ARE IN M.M. ( UNLESS OTHERWISE MENTIONED )

Consulting Architect : MAHESWARI & ASSOCIATES  
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Structural Engineers : S.P.A. CONSULTANTS  
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Project Architects: COLLAGE ARCHITECTS

1486, RAJDANGA MAIN ROAD, ( OPPOSITE PURBA ABASAN, DF BLOCK ), KOLKATA 700 107, INDIA  
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GROUND FLOOR BEAM LAYOUT