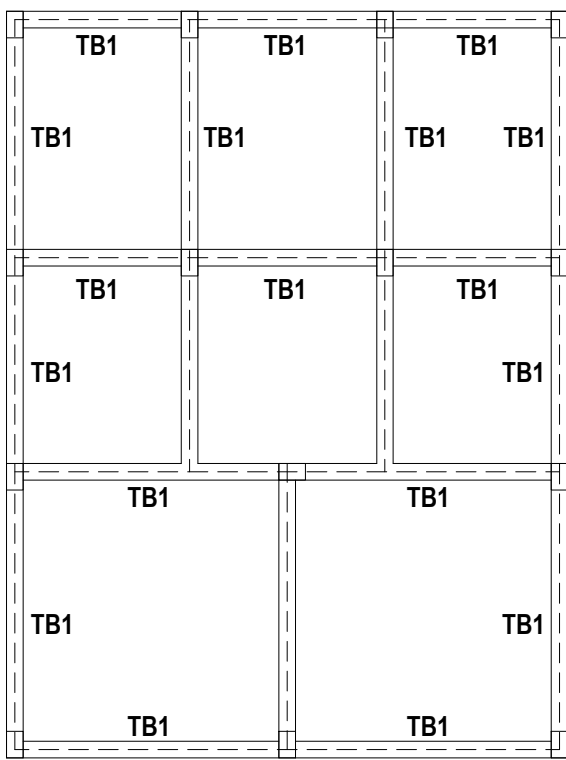
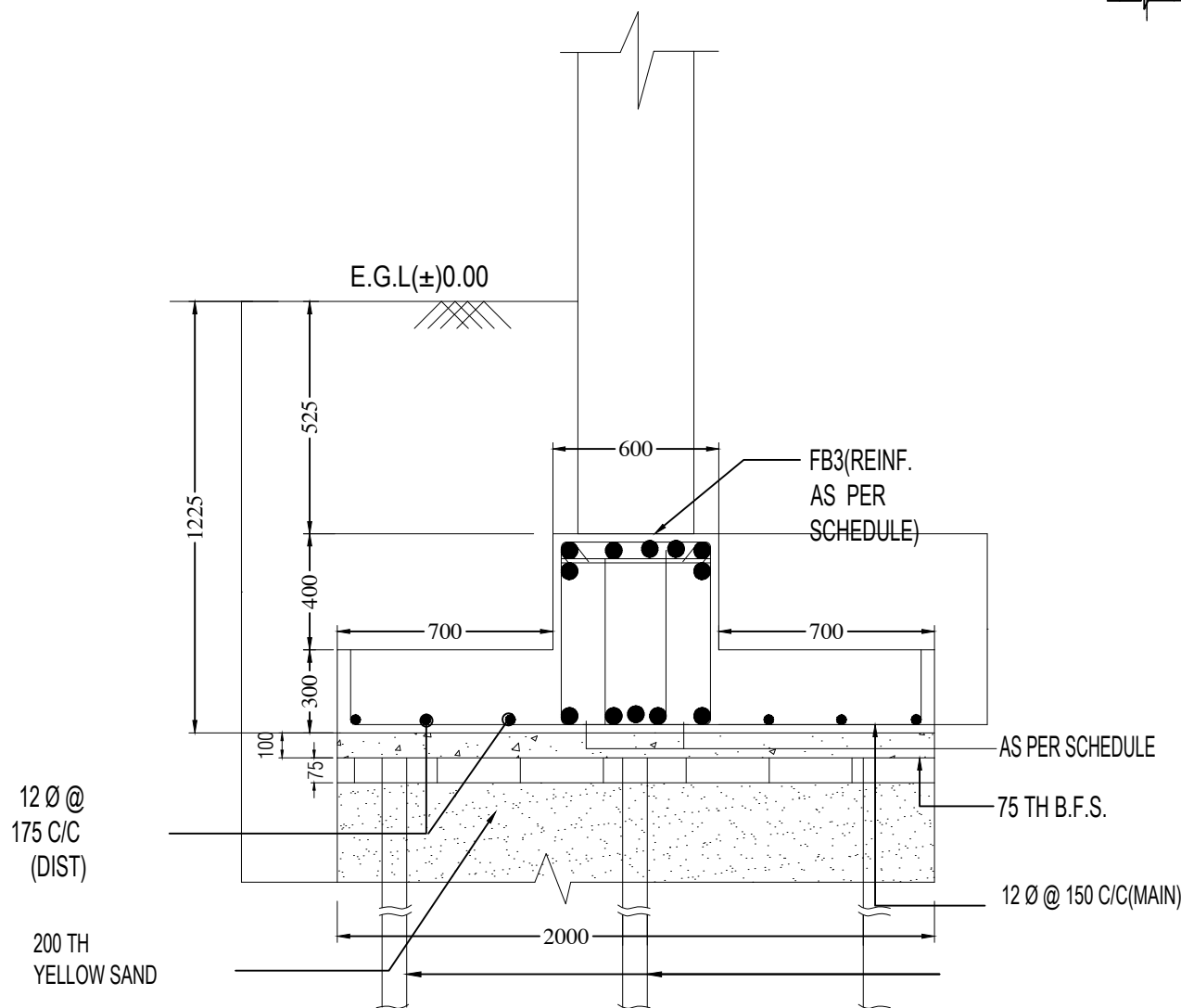




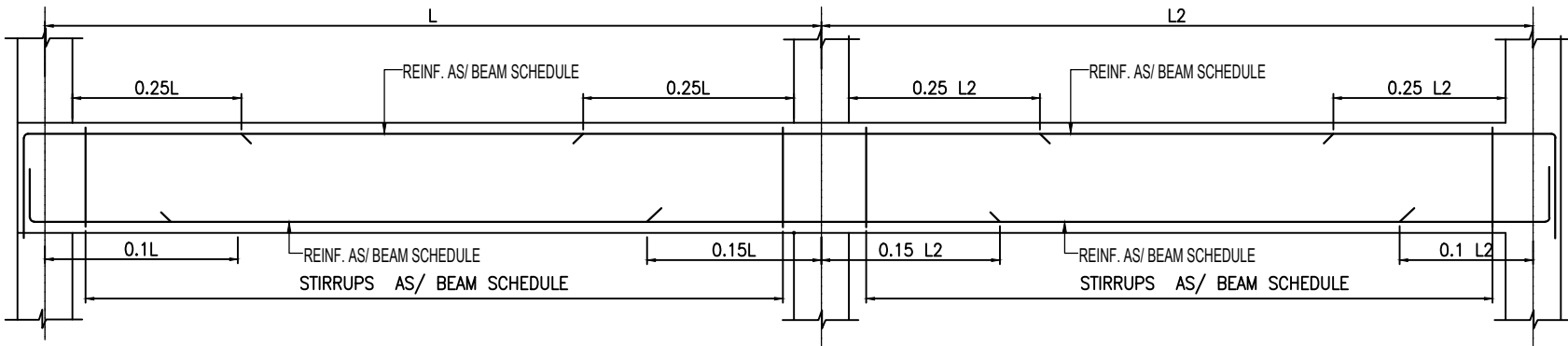
TIE-BEAM LAYOUT PLAN



SCHEDULE OF SLAB (Fe-500, M=25)

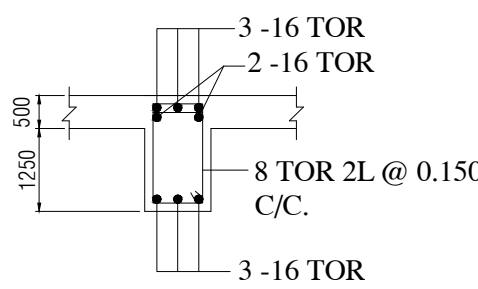
| SLAB MKD. | THICK. (mm.) | SHORT SPAN REINFORCEMENT DETAILS |                        | LONG SPAN REINFORCEMENT DETAILS |                                                |
|-----------|--------------|----------------------------------|------------------------|---------------------------------|------------------------------------------------|
|           |              | SPAN                             | SUPPORT                | SPAN                            | SUPPORT                                        |
| S1        | 112          | 8T @150 C/C (BOTTOM)             | 8T @150 C/C(EXTRA TOP) | 8T @150 C/C (BOTTOM)            | 8T @150 C/C(EXTRA TOP)<br>8T @300 C/C (BOTTOM) |

SLAB - 112 MM THICK, 8T - 150 C/C - BOTH WAY

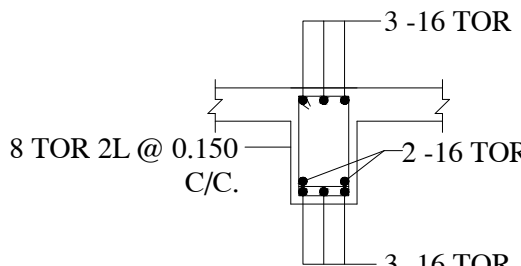


TYPICAL DETAILS OF BEAM (REINFORCEMENT CURTAILMENT)

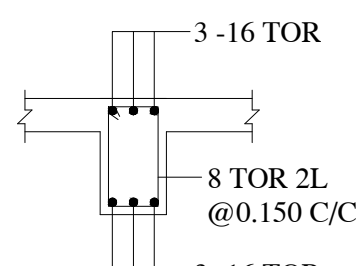
SCALE: 1:25  
\*\*\* 0.15 L SHOULD NOT BE LESS THAN Ld WHERE, Ld =50XDia OF BARS.



AT SUPPORT

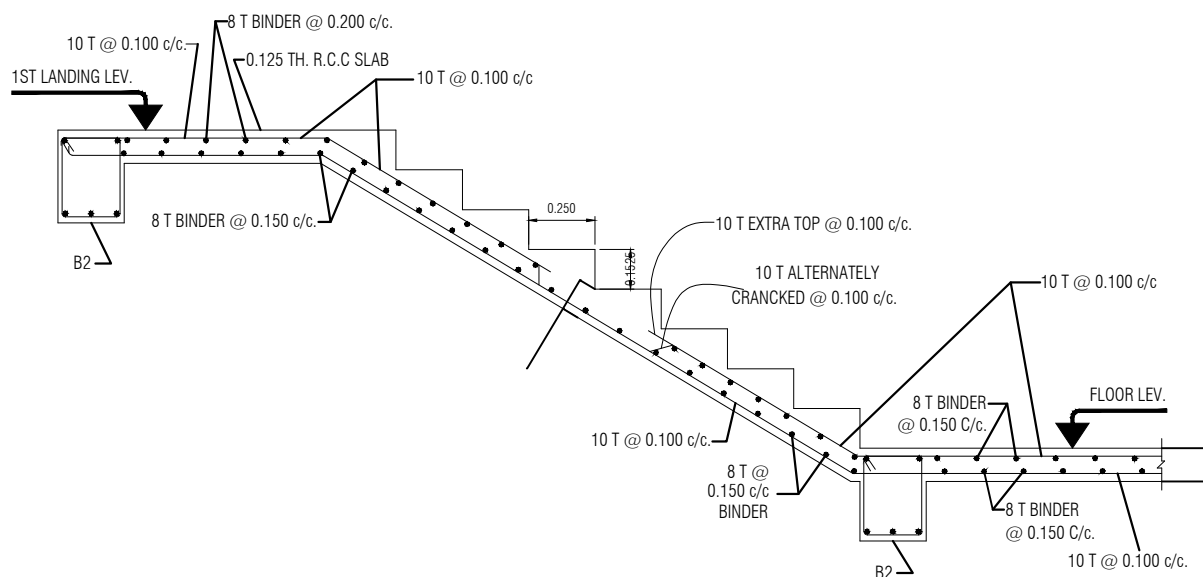


AT MID SPAN



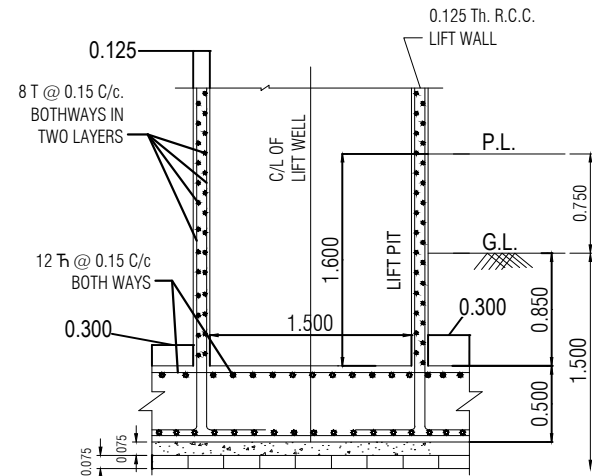
AT SUPPORT & MID SPAN

DETS. OF FLOOR BEAM SEC.



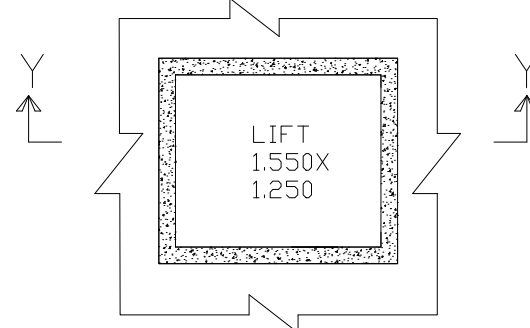
TYPICAL DETAILS OF STAIR CASE

SCALE = 4 : 1



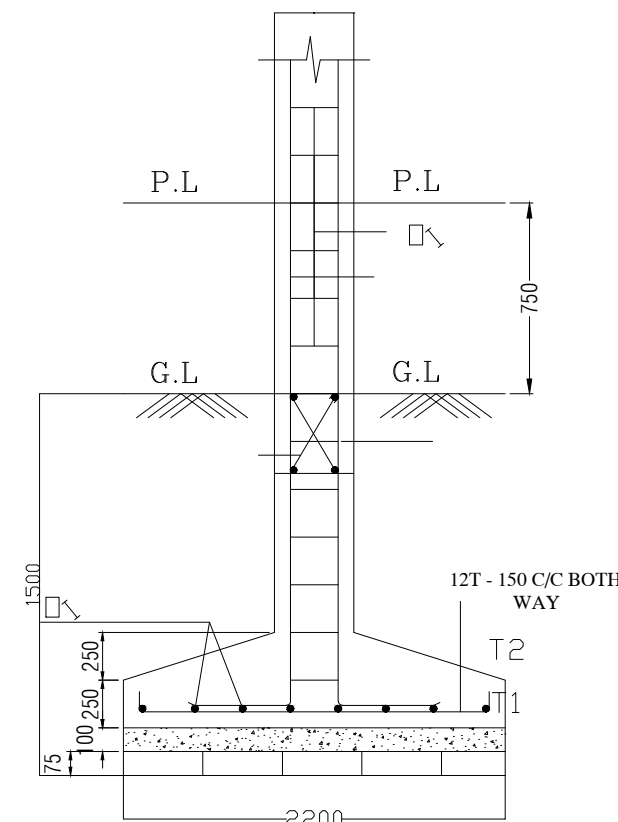
SECTION Y - Y

SCALE = 2 : 1

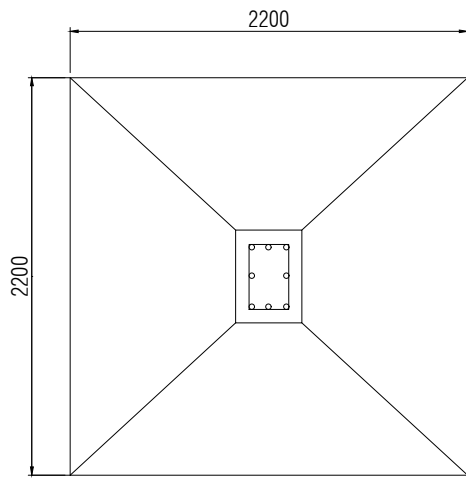


DETAILS OF LIFT FOUNDATION

SCALE = 2 : 1



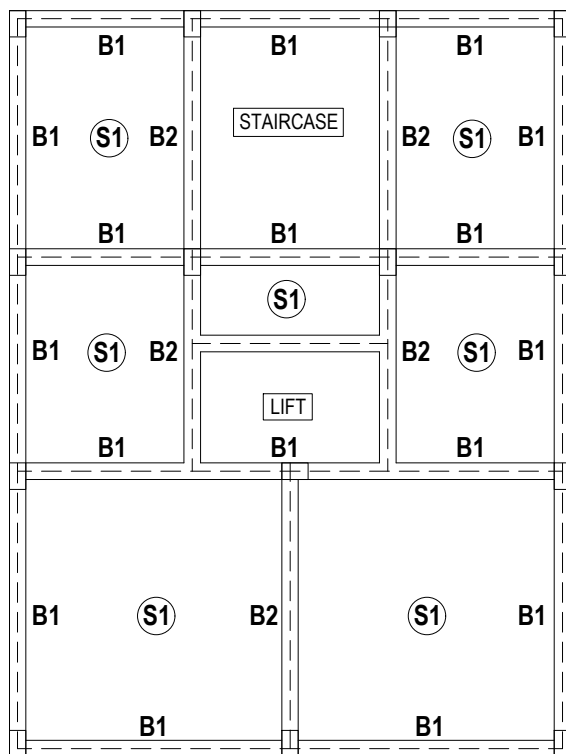
SECTION



DTLS. OF COLUMN FOUNDATION

SCHEDULE OF BEAM (Fe-500, M=25)

| BEAM MKD. | SIZE (mm) | REINFORCEMENT DETAILS AT SUPPORT |             |                 | REINFORCEMENT DETAILS AT MID SPAN |                             |                  |
|-----------|-----------|----------------------------------|-------------|-----------------|-----------------------------------|-----------------------------|------------------|
|           |           | TOP                              | BOTTOM      | STIRRUPS        | TOP                               | BOTTOM                      | STIRRUPS         |
| B1        | 250X400   | 3-16T (A.T)+ 1-16T (EXTRA)       | 3-16T (A.T) | 2L - 8T @75 C/C | 3-16T (A.T)                       | 3-16T (A.T) + 1-16T (EXTRA) | 2L - 8T @175 C/C |



BEAM LAYOUT PLAN

SCHEDULE OF COLUMN (Fe-500, M=25)

| GROUP MKD. | COLUMN MKD.   | SIZE OF COLUMN WITH REINFORCEMENTS (MAIN BAR & LINKS)               | C/S OF COLUMN | LINKS DETAILS                                                                                                                                      |
|------------|---------------|---------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| I          | REST OF STAIR | SIZE : (250 X 400)<br>MAIN BAR: 8-16Ø<br>LINKS: 2L 8 Ø STIRRUPS     |               | NEAR JUNCTION (UPTO 10') LENGTH<br>8 @75C/C<br>(2 NOS. CLOSED LINK PER SET)<br>AT REST PORTION<br>LINKS: 8 @150C/C<br>(2 NOS. CLOSED LINK PER SET) |
| II         | STAIR & LIFT  | SIZE : (250 X 450)<br>MAIN BAR: 10 - 16 Ø<br>LINKS: 2L 8 Ø STIRRUPS |               |                                                                                                                                                    |

G + 3 STORIED RESIDENTIAL BUILDING IS AT  
MOUZA - KAIKHALI, J.L.NO. - 05, C.S. DAG NO.- 346,  
R.S. & L.R.DAG NO.- 390, C.S. KHATIAN NO.- 243 &  
284, R.S. KHATIAN NO.- 535, L.R. KHATIAN NO.-3037  
& 3339, P.S.- AIRPORT, DIST - N24PGS, WARD NO.-06,  
UNDER BIDHANNAGAR MUNICIPAL CORPORATION.

SPECIFICATION :

- 1) ALL DIMENSIONS ARE IN MM. UNLESS SPECIFIED
  - 2) GRADE OF CONCRETE - M30
  - 3) GRADE OF STEEL - H.Y.S.D. (Fe 500)
  - 4) ALL OTHER STRUCTURAL DETAILS SUCH AS LAPPING, COVER, ETC. AS PER IS: 456-2000
  - 5) THE DRAWING IS TO BE READ IN CONNECTION WITH ARCHITECTURAL DRAWING
  - 6) DO NOT SCALE THE DRAWING. WRITTEN DIMENSIONS ARE TO BE FOLLOWED
  - 7) BASIS OF DESIGN ARE BOTH WORKING STRESS & LIMITING STRESS METHOD
  - 8) ALL DIMENSIONS SHOULD BE CHECKED AT SITE
  - 9) DRAWING SCALES - 1 : 100, 1:50, 1 : 25
  - 10) THIS DRAWING IS A PRIVATE & CONFIDENTIAL
- NOT BE COPIED OR CHANGED WITHOUT THEIR CONSENT  
A.T - ALL THROUGH E.T - EXTRA TOP

CERTIFICATE OF OWNER

I SHALL NOT CONSTRUCT THE BUILDING IN DEVIATION OF THE SUBMITTED PLANS AND DRAWINGS.

SIGNATURE OF OWNER

CERTIFICATE OF ARCHITECT

I CERTIFY THAT ALL THE ARCHITECTURAL DRAWINGS OF THE PROJECT HAVE BEEN PREPARED BY ME COMPLYING WITH THE PROVISION OF NEW TOWN DEVELOPMENT AUTHORITY ACT (BUILDING RULES) i.e. FOR THE PROJECTS WITHIN NEW TOWN KOLKATA PLANNING AREA RAJARHAT. NO SUCH WRONG & INCORRECT INFORMATION HAS BEEN FURNISHED BY ME INCLUDING AREA CALCULATION CHARTS IN THIS DRAWING & NO VIOLATION OF THE PROVISION OF THESE RULES WILL BE FOUND IN ANY OF THE DRAWINGS & DOCUMENTS SUBMITTED TO THE SANCTIONING AUTHORITY FOR OBTAINING SANCTION.

SIGNATURE OF L.B.S.

CERTIFICATE OF ENGINEER

CERTIFIED 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 THE REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL POSSIBLE LOADS, SEISMIC LOAD AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER THE BUREAU OF INDIAN STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.

SIGNATURE

