SCHEDULE OF COLUMN FOOTINGS (CONC.GR. M25)

FOOTING MKD.	SIZE	THICKNESS D	THICKNESS d	PEDESTAL/ FOUNDATION BEAM	REINFORCEMENT AT SHORTER DIRECTION (b)	REINFORCEMENT AT LONGER DIRECTION (a)
F1	2500x2500	500	250	–	12TOR@150C/C	12TOR@150C/C
F2	2750x2750	500	250	–	12TOR@125C/C	12TOR@125C/C
F3	3000x3000	600	300	–	12TOR@150C/C	12TOR@150C/C
F4	3250x3250	600	300	–	12TOR@125C/C	12TOR@125C/C
F5	3250X2750	600	300	–	12TOR@150C/C	12TOR@125C/C
L1	3325X5200	600	600	–	12TOR@150C/C(T) 12TOR@150C/C(B)	12TOR@125C/C(T) 12TOR@150C/C(B)

FLOOR BEAM SCHEDULE

GRADE OF CONCRETE - M25

BEAM MKD.	BEAM SIZE WIDE	BEAM SIZE DEPTH	REINFT. AT SUPPORT TOP	REINFT. AT SUPPORT BOTTOM	REINFT. AT MID SPAN TOP	REINFT. AT MID SPAN BOTTOM	STIRRUPS AT SUPPORT(0.3L)	STIRRUPS AT SPAN
B1	250	500	3–12TOR+2–16TOR	2–16TOR+1–12TOR	3–12TOR	2–16TOR+1–12TOR	8TOR@100C/C	8TOR@150C/C
B1A	250	500	6–16TOR	3–16TOR	———	———	4L–8TOR@100C/C	4L–8TOR@100C/C
B2	250	500	3–12TOR+2–16TOR	2–16TOR+1–12TOR	3–12TOR	2–16TOR+1–12TOR	8TOR@100C/C	8TOR@150C/C
B3	250	500	3–12TOR+2–16TOR	2–16TOR+1–12TOR	3–12TOR	2–16TOR+3–12TOR	8TOR@100C/C	8TOR@150C/C
B4	250	500	5–16TOR	3–16TOR	———	———	4L–8TOR@100C/C	4L–8TOR@100C/C
B5	250	500	3–16TOR+3–12TOR	2–16TOR+1–12TOR	3–12TOR	2–16TOR+1–12TOR	8TOR@100C/C	8TOR@150C/C
B6	250	500	3–16TOR+3–12TOR	2–16TOR+1–12TOR	3–12TOR	2–16TOR+3–12TOR	8TOR@100C/C	8TOR@150C/C
B7	250	500	2–16TOR+1–12TOR	2–16TOR+1–12TOR	2–16TOR+1–12TOR	2–16TOR+1–12TOR	8TOR@150C/C	8TOR@150C/C
B8	250	500	2–16TOR+1–12TOR	2–16TOR+1–12TOR	2–16TOR+1–12TOR	2–16TOR+1–12TOR	8TOR@150C/C	8TOR@150C/C
B9	250	500	3–12TOR	2–16TOR+1–12TOR	3–12TOR	2–16TOR+1–12TOR	8TOR@150C/C	8TOR@150C/C
B10	250	500	3–12TOR+2–16TOR	2–16TOR+1–12TOR	3–12TOR	2–16TOR+1–12TOR	8TOR@100C/C	8TOR@150C/C
B11	250	500	3–12TOR+2–16TOR	2–16TOR+1–12TOR	3–12TOR	2–16TOR+1–12TOR	8TOR@100C/C	8TOR@150C/C
B12	250	500	2–16TOR+1–12TOR	2–16TOR+1–12TOR	2–16TOR+1–12TOR	2–16TOR+1–12TOR	8TOR@100C/C	8TOR@100C/C
B13	125	500	2–16TOR	2–16TOR	2–16TOR	2–16TOR	8TOR@100C/C	8TOR@100C/C
B14	125	500	2–16TOR	2–16TOR	2–16TOR	2–16TOR	8TOR@100C/C	8TOR@100C/C
B15	250	500	3–12TOR	2–16TOR+1–12TOR	3–12TOR	2–16TOR+1–12TOR	8TOR@150C/C	8TOR@150C/C
B16	250	500	3–12TOR	2–16TOR+1–12TOR	3–12TOR	2–16TOR+1–12TOR	8TOR@150C/C	8TOR@150C/C
MB–1	250	500	2–16TOR+3–12TOR	2–16TOR+1–12TOR	2–16TOR+1–12TOR	2–16TOR+1–12TOR	8TOR@100C/C	8TOR@150C/C

FLOOR SLAB SCHEDULE

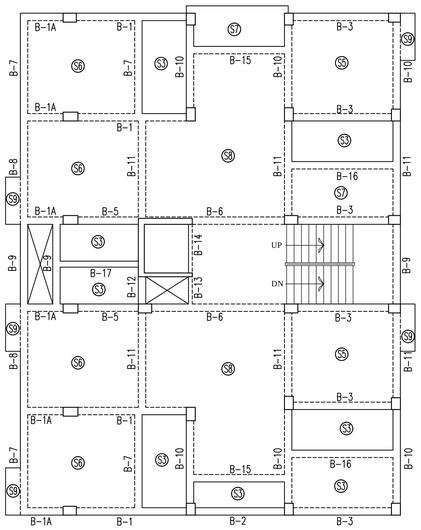
GRADE OF CONCRETE - M25

SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	125	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)
S2	115	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)
S3	125	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)	8TOR@225C/C (TOP) 8TOR@225C/C (BOTT.)
S4	115	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)
S5	115	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)
S6	125	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)
S7	125	10TOR@125C/C (TOP) 8TOR@200C/C (BOTT.)	8TOR@200C/C (TOP) 8TOR@200C/C (BOTT.)

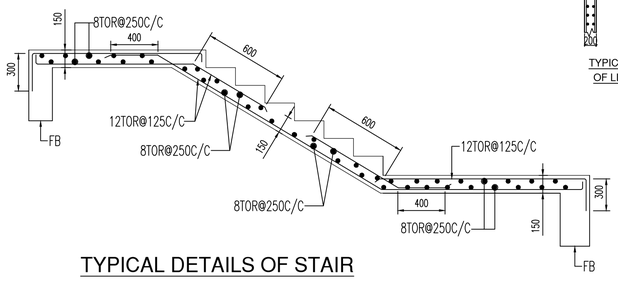
COLUMN SCHEDULE

GRADE OF CONCRETE - M25

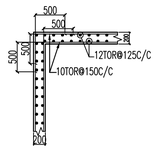
4TH FLOOR TO ROOF	12–12TOR	10–12TOR	14–12TOR
3RD FLOOR TO 4TH FLOOR	12–12TOR	10–12TOR	14–12TOR
2ND FLOOR TO 3RD FLOOR	6–16TOR+6–12TOR	6–16TOR+4–12TOR	6–16TOR+8–12TOR
FOUNDATION TO 2ND FL. LVL	12–16TOR	10–16TOR	14–16TOR
LINK DETAILS			
C/S OF COLOUMN			
COL SIZE	450x300	400x300	500x300
LINK			
COL MARKED	C1,C6,C7,C10,C11,C14, C17,C18,C20	C2,C3,C4,C8,C12,C15, C21,C22,C123	C5,C9,C13,C16



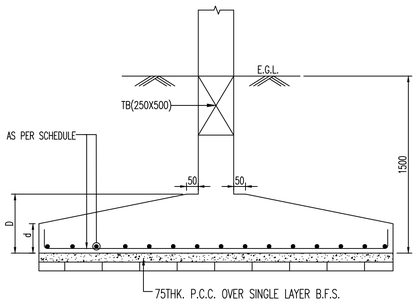
3RD & 4TH FLOOR BEAM LAYOUT



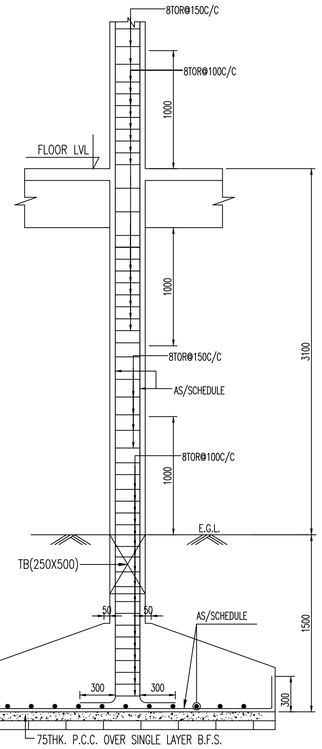
TYPICAL DETAILS OF STAIR



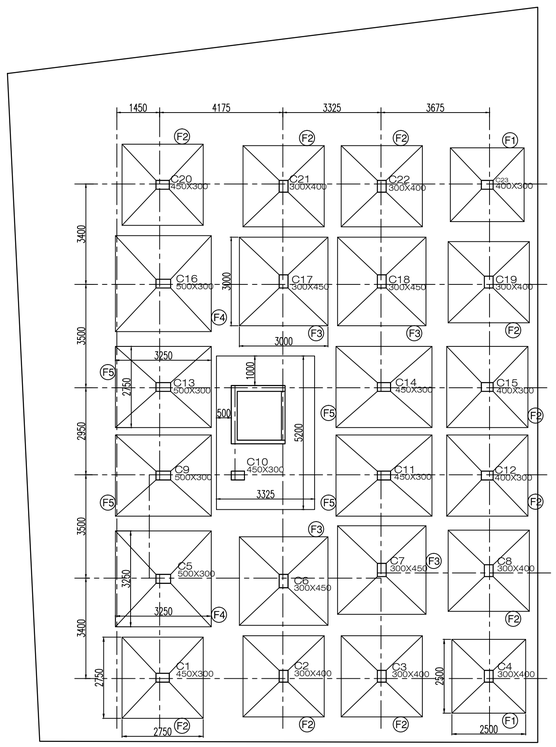
TYPICAL DETAILS OF LIFT WALL



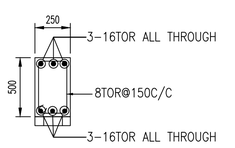
TYPICAL DETAILS OF COMBIND FOOTING & FB-(500x600)



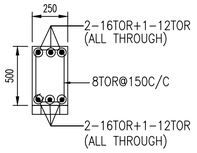
TYPICAL DETAIL OF COLUMN REINFT.



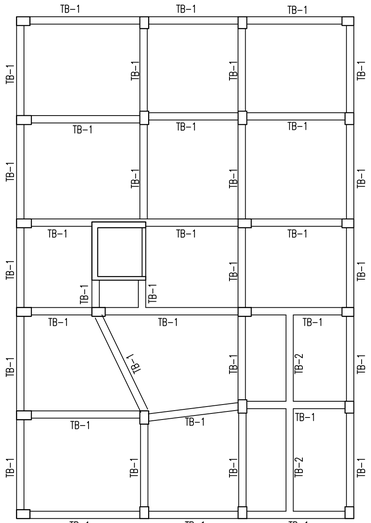
FOOTING LAYOUT



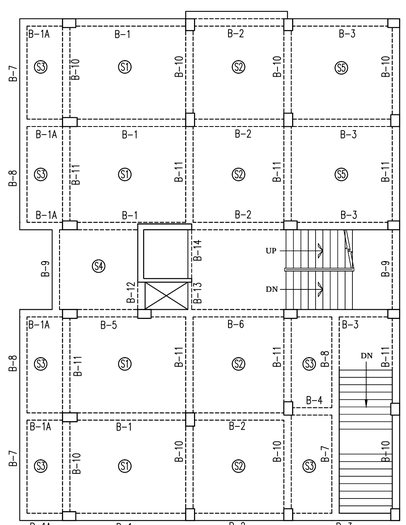
TYPICAL DETAILS TB1 - (250x500)



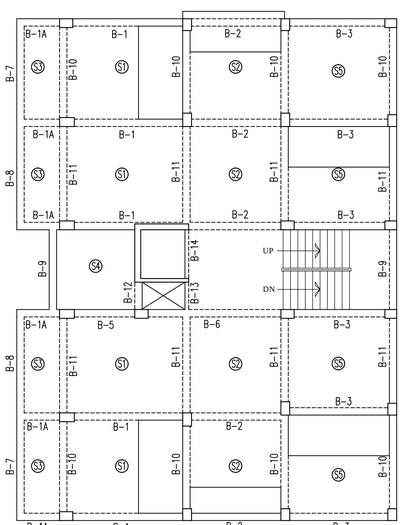
TYPICAL DETAILS TB2 - (250x500)



TIE-BEAM LAYOUT



1ST FLOOR BEAM LAYOUT



2ND FLOOR BEAM LAYOUT

NOTES:-

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
3. ALL GRADE OF CONCRETE M25.
4. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
5. FOR STEEL GRADE Fe 500 AS PER I.S 1786–2008.
6. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
7. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF AAC BLOCK IN CEMENT MORTAR.
8. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. FOUNDATION BEAM & SLAB	50	50	50
b. COLUMN			40
c. TIE BEAM.	30	30	30
d. FLOOR BEAM.	30	30	30
e. FLOOR SLAB.	20	20	20

NAME OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER

I WE DO HEREBY CERTIFY THAT THE FOUNDATION AND SUPER STRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION AT MOUZA–KENDUADIHI , J.L NO–213 , PLOT HOLDING NO–1137,1137/1671(R.S) ,3013 ,3014(L.R) K,H NO–9163(L.R) P.S+DIST– BANKURA.WARD NO–22, BANKURA MUNICIPALITY , HAVE BEEN PERSONALLY INSPECTED AND SO DESIGN BY ME/US WILL MAKE SUCH FOUNDATION AND SUPERSTRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL AND OTHER CONDITIONS. IF ANY, CONFIRMING TO ALL STIPULATIONS OF ALL RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

NAME OF STRUCTURAL ENGINEER

CERTIFICATE OF CONSULTANT

I/WE DO HEREBY CERTIFY THAT PLANS , ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED MOUZA–KENDUADIHI , J.L NO–213 , PLOT BUILDINGS ON HOLDING NO–1137,1137/1671(R.S) ,3013 ,3014(L.R) K,H NO–9163(L.R) P.S+DIST– BANKURA.WARD NO–22, BANKURA MUNICIPALITY HAVE BEEN , PREPARED IN CONFIRMING WITH ALL RELEVANT PROVISIONS UNDER THE WEST BENGAL MUNICIPAL (BUILDING) RULES 2007. THIS ALSO TO CERTIFY THAT RELEVANT NO OBJECTION CERTIFICATES FROM THE RESPECTIVE AUTHORITIES SUCH AS, FIRE AND EMERGENCY SERVICE DEPARTMENT, AIRPORT AUTHORITY, POLLUTION CONTROL BOARD, TELECOMMUNICATION DEPARTMENT ETC. AS APPLICABLE IN THIS REGARD, ARE ALSO ENCLOSED WITH THE APPLICATIONS FOR SEEKING APPROVAL OF THE PLAN TO CONSTRUCT/RECONSTRUCT/ADDITION TO ALTERATION OF THE BUILDING ON THE SAID HOLDING.

NAME OF CONSULTANT

CERTIFICATE OF GEO-TECHNICAL ENGINEER

SIGNATURE OF GEO-TECHNICAL ENGINEER

PROJECT

PROPOSED G+IV (15.5 M. HT.)PREDOMINANT RESIDENTIAL AND PARTLY COMMERCIAL (BELLOW 25%) BUILDING AT MOUZA–KENDUADIHI, J.L NO–213, R.S. PLOT NO–1137, 1137/1671, L.R. PLOT NO.–3013, 3014, L.R. KHATIAN NO–9163, P.S+DIST– BANKURA, WARD NO–22, UNDER BANKURA MUNICIPALITY.