STRUCTURAL PLAN OF G + 3 STORIED RESIDENTIAL BUILDING IS AT MOUZA - KRISHNAPUR, J.L.NO. - 17, R.S. NO. - 180, TOUZI NO.- 228/ 229, R.S. DAG NO.- 3344,3345 L.R.DAG NO.- 5757, R.S.KHATIAN NO.- 166, L.R.KHATIAN NO.-1742,1743,1855, 1856, 1744, 1745,1898, P.S. - BAGUIATI DIST - N24PGS, WARD NO. - 25, UNDER BIDHANNAGAR MUNICIPAL CORPORATION.

OWNERS NAME :- 1) PRIYANKA MALAKAR, 2) PAYEL MALAKAR, 3) SAMIR MONDAL, 4) NIRMAL MONDAL, 5) TAPASI MONDAL, 6) SUBHASHIS MONDAL, 7) MAHADEB MONDAL.

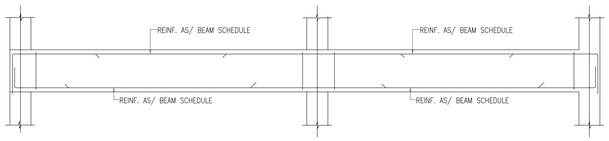
SCHEDULE OF COLUMN (Fe-500, M=25)

GROUP MKD.	COLUMN MKD.	SIZE OF COLUMN WITH REINFORCEMENTS (MAIN BAR & LINKS)	C/S OF COLUMN	LINKS DETAILS
I	REST OF STAIR C1 , C2 , C3 , C4 , C5 C6 , C7 , C8 , C9 , C11 C16 , C17 , C18 , C19 C20 , C21 , C22 , C23 C24	SIZE : (250X450) MAIN BAR: 10-16Ø LINKS: 2L 8 Ø STIRRUPS		NEAR JUNCTION (UPTO 'lo') LENGTH 8 @75C/C (2 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 @150C/C (2 NOS. CLOSED LINK PER SET)
II	STAIR & LIFT C10 , C11 , C12 , C13 , C14 , C15	SIZE : (250X450) MAIN BAR: 12-16Ø LINKS: 2L 8 Ø STIRRUPS		

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

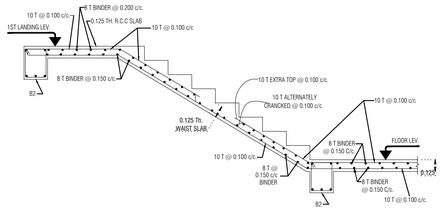
SLAB MKD.	THICK. (mm.)	SHORT SPAN REINFORCEMENT DETAILS		LONG SPAN REINFORCEMENT DETAILS	
		SPAN	SUPPORT	SPAN	SUPPORT
S1	112	8T @150 C/C (BOTTOM)	8T @150 C/C(EXTRA TOP)	8T @150 C/C (BOTTOM)	8T @150 C/C(EXTRA TOP) 8T @300 C/C (BOTTOM)

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

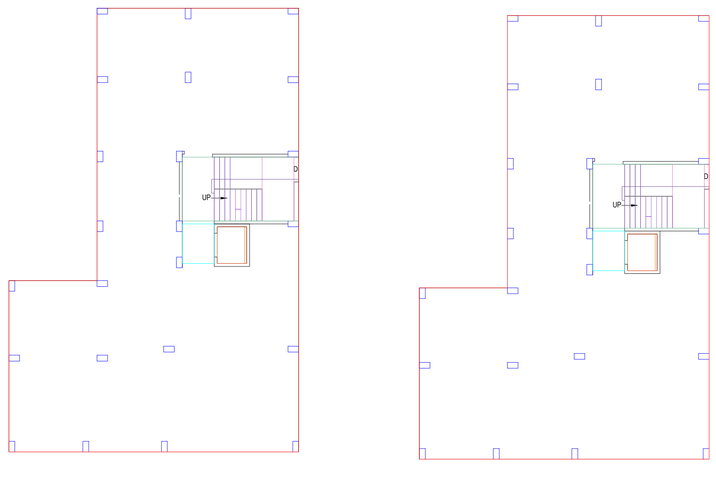


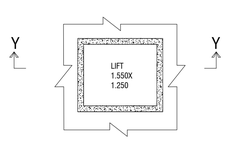
TYPICAL DETAILS OF BEAM
(REINFORCEMENT CURTAILMENT)
SCALE: 1:25

*** 0.15 L SHOULD NOT BE LESS THAN Ld.WHERE, Ld =50XDia.OF BARS.

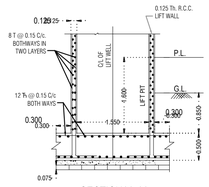


TYPICAL DETAILS OF STAIR CASE
SCALE = 4 : 1





DETAILS OF LIFT FOUNDATION
SCALE = 2 : 1



SECTION Y - Y
SCALE = 2 : 1

AT SUPPORT

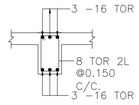
AT MID SPAN

DETS. OF FLOOR BEAM SEC.

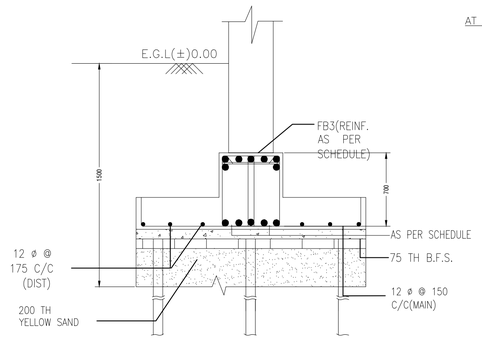
	SIZE (mm)	REINFORCEMENT DETAILS AT SUPPORT			REINFORCEMENT DETAILS AT MID SPAN		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
B1	250X400	3-16T (A.T)+ 2-16T (EXTRA)	3-16T (A.T)	2L - 8T @150 C/C	3-16T (A.T)	3-16T (A.T) + 2-16T (EXTRA)	2L - 8T @150 C/C

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

BEAM MKD.	SIZE (mm)	REINFORCEMENT DETAILS AT SUPPORT			REINFORCEMENT DETAILS AT MID SPAN		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
TB1	250X400	3-16T (A.T)	3-16T (A.T)	2L - 8T @150 C/C	3-16T (A.T)	3-16T (A.T)	2L - 8T @150 C/C



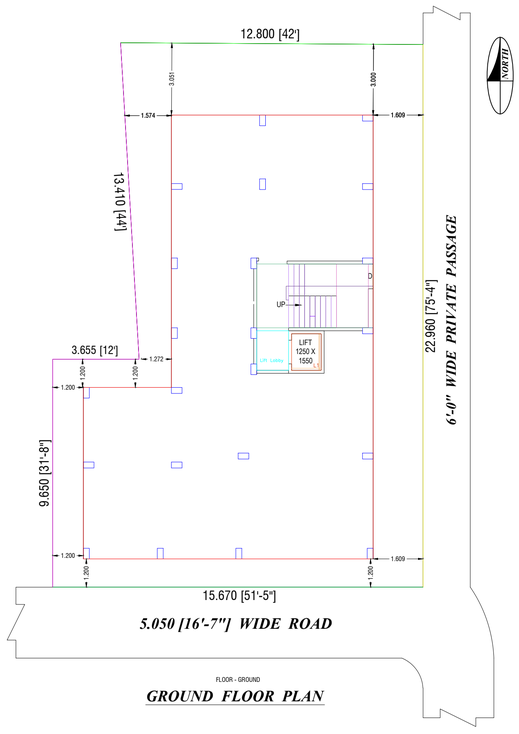
AT SUPPORT & MID SPAN



FOUNDATION BEAM SECTION

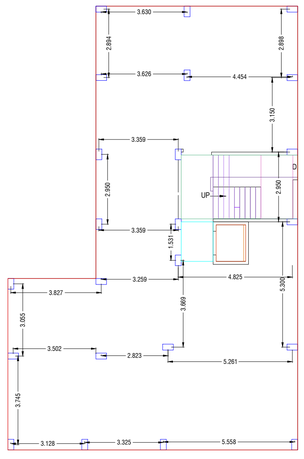
SCHEDULE OF FOUNDATION BEAM (Fe-500, M=25)

BEAM MKD.	SIZE (mm)	REINFORCEMENT DETAILS AT SUPPORT			REINFORCEMENT DETAILS AT MID SPAN		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
FB	600X700	5-16T (A.T)	5-16T (A.T) + 2-16T (EXTRA)	4L - 10T @150 C/C	5-16T (A.T) + 2-16T (EXTRA)	5-16T (A.T)	4L - 10T @150 C/C



FLOOR - GROUND

GROUND FLOOR PLAN



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 OF ENGINEER