SLAB SCHEDULE

SLAB MKD.	THICK-NESS	REINFORCEMENT		
		MAIN REINF.	DISTRIBUTION	
S1	110 MM	8 T @ 125 c/c	8 T 150 c/c	PROVIDE 8T 150 c/c at EDGES AS EXTRA TOP
S2	120 MM	8 T @ 125 c/c	8 T 125 c/c	PROVIDE 8T 150 c/c at EDGES AS EXTRA TOP

BEAM SCHEDULE

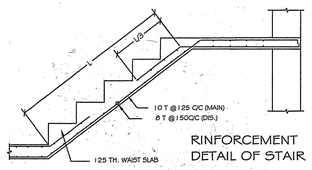
BEAM MKD.	SECTION	REINF.(SUPPORT)		REINF.(SPAN)		STIRRUP
		TOP	BOTTOM	TOP	BOTTOM	
B1	250X350	3- 12Ø + 2- 16Ø	3-16Ø	3-12Ø	5-16Ø	2L -8T@150 c/c
B2	250X350	2- 12Ø + 2- 16Ø	2-16Ø	2-12Ø	4-16Ø	2L -8T@150 c/c
B3	250X400	3- 16Ø + 2- 16Ø	3-16Ø	3-16Ø	5-16Ø	2L -8T@150 c/c
ALL TIE BEAMS	250X350	3- 12Ø + 2- 12Ø	3-12Ø	3-12Ø	5- 12Ø	2L -8T@150 c/c

FOUNDATION SCHEDULE

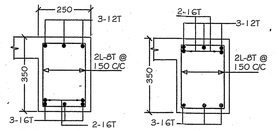
FDN MKD.	F.D.N UNDER COLUMN	FOUND SIZE L1XL2(mmxmm)	d (mm)	D (mm)	REINFORCEMENT
F1	C1,C22	1950X1950	200	350	12 T @150 c/c(BW)
F2	C2,C12,C16,C23	2600X2600	200	400	12 T @125 c/c(BW)
F3	C3,C24	2850X2850	200	450	12 T @110 c/c(BW)
F4	C4,C8,C13,C20,C25	2350X2350	200	350	12 T @150 c/c(BW)
F5	C5,C9,C17,C21	2250X2250	200	350	12 T @150 c/c(BW)
F6	C6+C7	5700X2850		450	12 T @150 c/c(BW) IN TWO LAYERS
F7	C18+C19	5700X2850		450	12 T @150 c/c(BW) IN TWO LAYERS
F8	C10+C11+C14+C15	5540X5865		450	12 T @150 c/c(BW) IN TWO LAYERS

COLUMN SCHEDULE

COLUMN MKD.	SECTION	REINFORCEMENT	TIE
C1,C22	250X300	4 - 16T + 8-12T	2L-8T@150 c/c
C5,C9,C17,C21	250X350	6 - 16T	2L-8T@150 c/c
C11,C15	250X450	8 - 16T + 2-12T	2L-8T@150 c/c
C2,C4,C8,C12,C13, C16,C20,C23,C25	250X400	6 - 16T + 2-12T	2L-8T@150 c/c
ALL OTHERS	250X400	8 - 16T	2L-8T@150 c/c



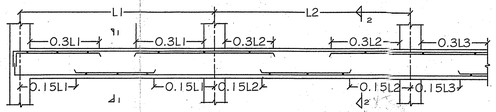
RINFORCEMENT DETAIL OF STAIR



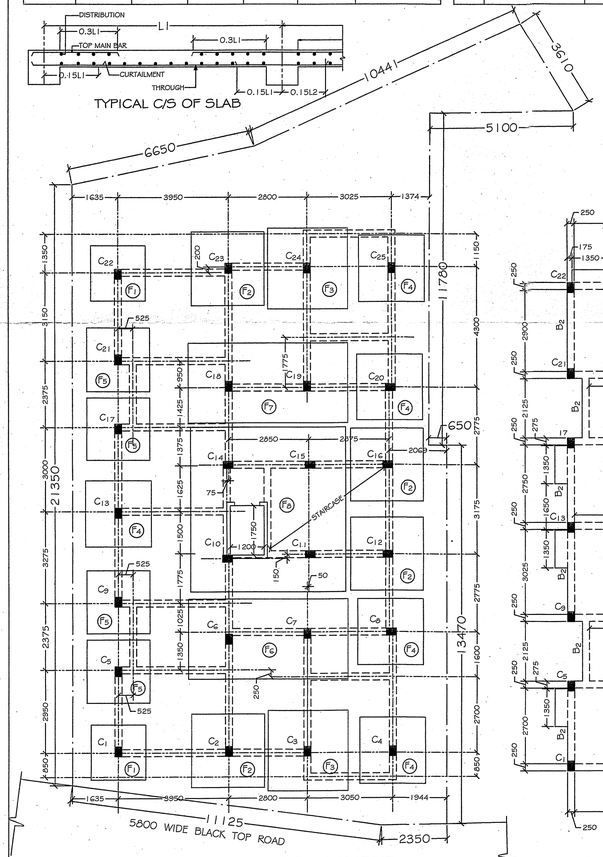
AT SPAN-SEC-1:1

AT SUP.-SEC-2:2

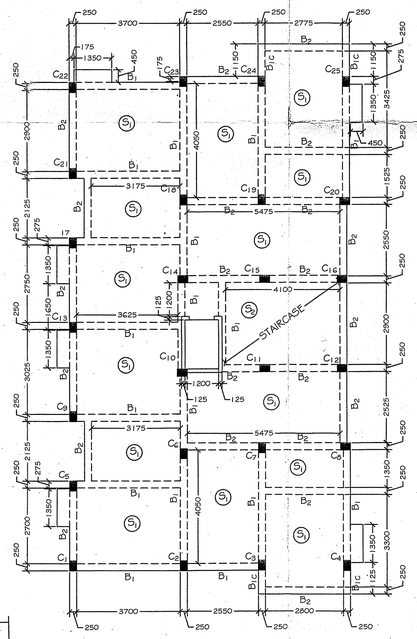
TYPICAL C/S OF SLAB



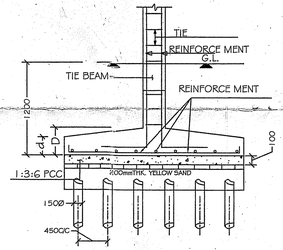
TYPICAL LONG SECTION OF BEAM



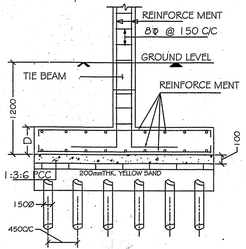
FOUNDATION LAYOUT



SLAB, BEAM & COL LAYOUT



150Ø SAL BALLAH @ 450C/C
SPACING 16ft.DEPTH SAL BALLAH
DETAIL OF ISOLATED FOOTING



150Ø SAL BALLAH @ 450C/C
SPACING 16ft.DEPTH SAL BALLAH
DETAIL OF ISOLATED FOOTING

NOTES & SPECIFICATIONS

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED
GRADE OF CONCRETE M20 AND GRADE OF STEEL FE 415
CENTER LINE GIVEN HERE ARE BEAM CL ONLY.
IN CASE OF ANY DISCRIPANCY IN DWG. REFER TO ARCHITECT.
FOUNDATION :- 1) BOTTOM COVER-50MM SHOULD BE MAINTAINED.
2) SIDE COVER -75MM. COLUMN:- CLEAR COVER 40 MM
BEAM:- 1) TOP-25MM, 2) BOTTOM-25MM, 3) SIDE-15MM.
SLAB :- 1) BOTTOM-15MM 2) SIDE-15MM.
BOND/LAP LENGTH FOR REINFORCEMENT-50D.
FOUNDATION DEPTH SHOULD BE MAINTAINED 1200MM FROM ORIGINAL SOIL.

DECLERATION OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

SAKTI BRATA BHATTACHARYYA
E.S.E. NO - 116/1
SIGNATURE OF E.S.E.

DECLERATION OF GEO TECHNICAL

UNDERSIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTINGSOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE & STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

KALLOL KUMAR GHOSHAL
G.T./11/14 (K.M.C.)
SIGNATURE OF GEO-TECHNICAL

PROPOSED G+3 STORIED RESIDENTIAL BUILDING PLAN AT R. S. DAG NO 127 R. S. KHATIAN NO -298, 303 & 294 MOUZA -KALIKAPUR, J.L.-20, AT PREM NO 1206 PURBACHAL MAIN ROAD , WARD NO -106, BOROUGH - XII, P. S.-GARFA, KOLKATA - 700078.

U/S 393A OF KMC BUILD.ACT 1980 & COMPLYING KMC BUILDING RULE 2009

W
S N
E

STRUCTURAL SHEET

SCALE = 1 : 100

AVIK SAHA
SIGNATURE OF OWNERS

AMITAVA DEBNATH
L.B.S. NO 312/1
SIGNATURE OF L.B.S.