SCHEDULE OF BEAMS

BEAM MKD.	SIZE (MM)	REINFORCEMENT AT SUPPORT			SPAN REINFORCEMENT		
		REINFORCEMENT		STIRRUPS	REINFORCEMENT		STIRRUPS
		TOP	BOTTOM		TOP	BOTTOM	
B1	250x400	2-16 T+2-12T	2-16 T	8T,2L @200C/C	2-16 T	2-16 T+2-12T	8T,2L @200C/C
B2	250x400	4-16 T	2-16 T	8T,2L @200C/C	2-16 T	4-16 T	8T,2L @200C/C
B3	250x400	4-16 T+2-12T	2-16 T+2-12T	8T,2L @200C/C	2-16 T+2-12T	4-16 T+2-12T	8T,2L @200C/C
B4	250x400	4-16 T+2-12T	2-16 T+2-12T	8T,2L @200C/C			

SCHEDULE OF FOUNDATIONS

UNDER COLUMN	SIZE mm	DEPTH		REINFORCEMENT IN SLAB	
		AT THE FACE OF PEDESTAL (D)	AT THE FREE EDGE (d)	ALONG SHORTER DIRECTION	ALONG LONGER DIRECTION
C1,C4	2500X2500	450	250	12 T @150 C/C	12 T @ 150 C/C
C5,C8,C9,C13, C14,C15,C16, C17,C18,	2750X2750	450	250	12 T @125 C/C	12 T @125 C/C
C2-C3-C6-C7--C10-C11-C12	AS PER PLAN	250	250	12 T @150 C/C TOP AND BOTTOM	12 T @150 C/C TOP AND BOTTOM

SCHEDULE OF TIE-BEAMS

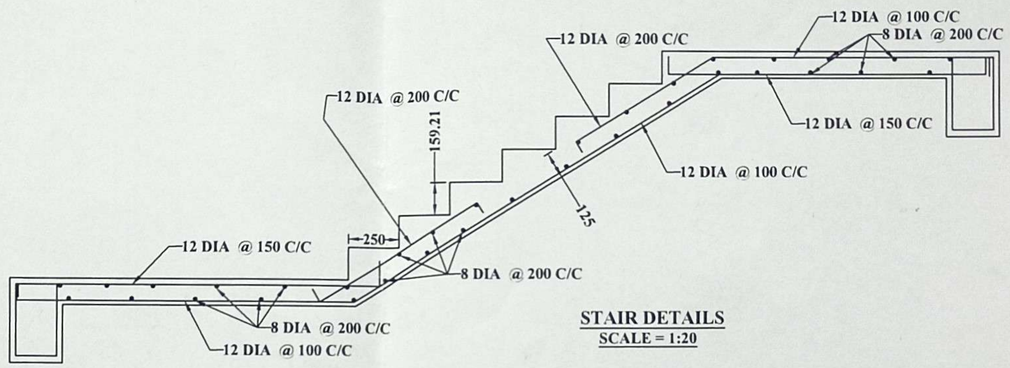
BEAM MKD.	SIZE (MM)	REINFORCEMENT AT SUPPORT			SPAN REINFORCEMENT		
		REINFORCEMENT		STIRRUPS	REINFORCEMENT		STIRRUPS
		TOP	BOTTOM		TOP	BOTTOM	
TB	250x400	4-16 T	2-16 T	2L 8 T @ 200 C/C	2-16 T	4-16 T	2L 8 T @ 200 C/C

SCHEDULE OF COLUMNS

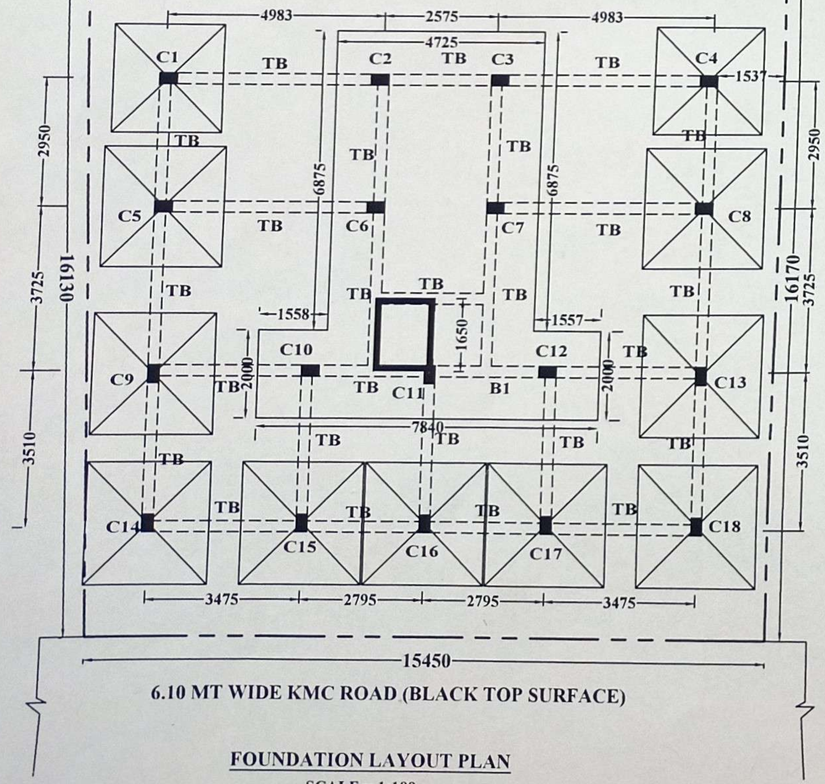
COLUMN MKD.	GROUND TO 2ND FLOOR		2ND TO ROOF	LATERAL TIES
	SIZE	REINFORCEMENT	REINFORCEMENT	
C1,C4,	250 X 400	6-16T+2-12T	6-16T	8 T @ 200 C/C
C6,C7,C10,C11,C12, C14,C15,C16,C17,C18,	250 X 400	8-16T+2-12T	6-16T+4-12T	8 T @ 200 C/C
C2,C3,C5,C8,C9,C13,	250X400	8-16T	6-16T+2-12T	8 T @ 200 C/C

SCHEDULE OF SLABS

SLAB MKD	DEPTH (MM.)	REINFORCEMENT ALONG SHORT SPAN		REINFORCEMENT ALONG LONG SPAN	
		SUPPORT	MID SPAN	SUPPORT	MID SPAN
S1	110	8 T @ 125 MM. C/C	8 T @ 125 MM. C/C	8 T @ 125 MM. C/C	8 T @ 125 MM. C/C

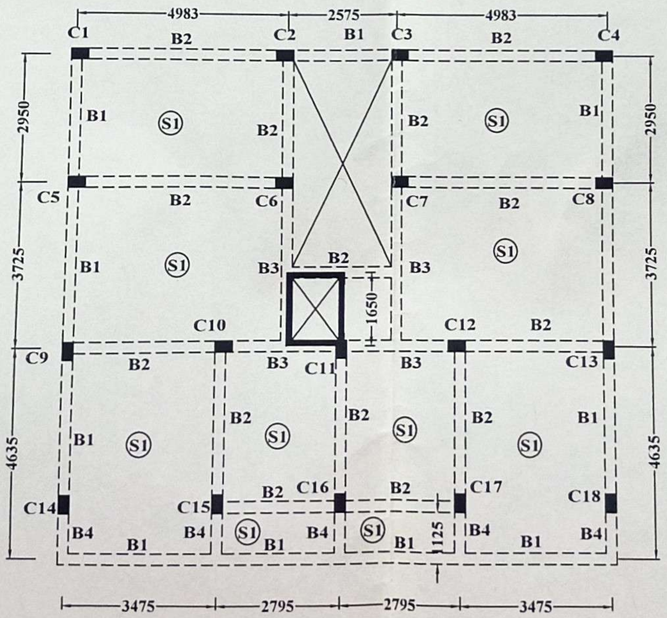


STAIR DETAILS
SCALE = 1:20

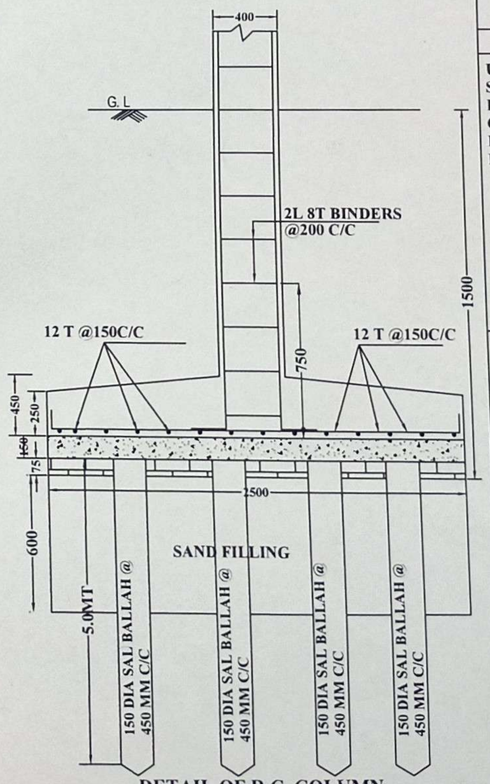


6.10 MT WIDE KMC ROAD (BLACK TOP SURFACE)

FOUNDATION LAYOUT PLAN
SCALE = 1:100



LAYOUT PLAN (BEAM & SLAB)
SCALE = 1:100



DETAIL OF R.C. COLUMN FOOTING FOR C1
SCALE = 1:20

CERTIFICATE OF L.B.S.:

CERTIFIED WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER THE PROVISIONS OF THE KMC BUILDING RULES 2009, AS AMENDED FROM TIME TO TIME, THAT THE SITE CONDITIONS, INCLUDING THE ABUTTING ROAD CONFORMS WITH THE PLAN, WHICH HAS BEEN MEASURED AND VERIFIED BY ME. THE EX. ST. ALREADY DEMOLISHED NOW IT IS A VACANT LAND. IT IS ALSO A BUILD ABLE SITE AND NOT A TANK OR FILLED UP TANK. THE LAND IS DEMARCED BY BOUNDARY WALL. THE CONSTRUCTION OF U.G WATER RESERVOIR AND SEPTIC TANK WILL BE COMPLETED BEFORE STARTING OF BUILDING FOUNDATION WORK.

Sneha Pradhan
Architect
Sneha Pradhan
Registration No.:
CA/2021/139322

(SNEHA PRADHAN-CA/2021/139322)

STRUCTURAL CERTIFICATE

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION & SUPERSTRUCTURE OF THE BUILDING PLAN HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IS SAFE AND STABLE IN ALL RESPECT. THE RECOMMENDATIONS OF SOIL TEST REPORT PREPARED BY "UNDERBUILT" OF 12/A, HAZRA BAGAN LANE, KOLKATA -700015 AND SIGNED BY TAPAN KUMAR PRADHAN, G.T.E. NO. G.T/II/29, HAS BEEN BE CONSIDERED DURING STRUCTURAL CALCULATION.

TAPAN KUMAR PRADHAN
(M-TECH / Structure)
Member of IEI No. AM1704721
Chartered Engineer
Member of ICE(I) No.30255
LBS of KMC No. 688(II)
ESE of KMC No. 523(II)

(TAPAN KUMAR PRADHAN-ESE/II/523)

CERTIFICATE OF GEO-TECH ENGINEER:

UNDERSIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL 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 Kr Ghosal
Kallol Kr. Ghosal, B.E.(Civil), MIE
Geo Technical Engineer
KMC Empanelment No. G.T./II/1-1

Geo Tech. Engg.:(Kallol Kumar Ghosal-G.T/II/14)

Salil Kumar Seth

(Sri Salil Kumar Seth)
OWNER/APPLICANT-

PROPOSED STRUCTURAL PLAN OF G+I STORIED RESIDENTIAL BUILDING U/S 39 OF KMC ACT. 1980, AND COMPLYIN BUILDING RULES 2009 AT OF PREMISES N 3768, NAYABAD, P.S.-PURBA JADAVPU WARD NO. 109, BOROUGH-Y KOLKATA-700099 UNDER DAG NO. MOUJA- NAYABAD, J.L. NO. 25, KHATIAN 78, SOUTH 24- PARGANAS.

ECONOMIC CIVIL CONSTRUCTOR
96/5, K. N. SEN ROAD
KASBA, KOLKATA- 700042.

CHECK BY- T. K. PRADHAN | DRAWING NO. -ECC/ST/3768/20