SCHEDULE OF FOUNDATION :-

GRADE	FOUNDATION UNDER COLUMN MKD.	TYPE AND SIZE sqmm	DEPTH		REINFORCEMENT	
			AT EDGE (D1)mm	AT COLUMN SUPPORT mm	ALONG LONGER DIRECTION	ALONG SHORTER DIRECTION
I	C1; C5; C11; C16; C20; C24;	2400 x 2400	250	250	12 Ø TOR @ 100 C/C	12 Ø TOR @ 100 C/C
II	C3; C4; C6; C23;	2550 x 2550	300	300	12 Ø TOR @ 100 C/C	12 Ø TOR @ 100 C/C
III	C2; C7; C12; C15; C17; C18;	2650 x 2650	350	350	12 Ø TOR @ 100 C/C	12 Ø TOR @ 100 C/C
IV	C8; C10; C13; C19; C21; C22;	2600 x 2950	350	350	12 Ø TOR @ 100 C/C	12 Ø TOR @ 100 C/C
V	C9; C14;	2850 x 2850	350	350	12 Ø TOR @ 100 C/C	12 Ø TOR @ 100 C/C

SCHEDULE OF COLUMN :-

COLUMN MARKED	REINFORCEMENT UPTO 2ND.ROOF			REINFORCEMENT FROM 2ND.ROOF		
	SIZE	LONGITUDINAL	TIES	SIZE	LONGITUDINAL	TIES
C1; C2; C3; C4; C5; C10; C11; C15; C20;	300 x 400	8 - 16 Ø TOR	2L- 8 TOR @ 200 C/C	300 x 400	4 - 16 Ø TOR + 4 - 12 Ø TOR	2L- 8 TOR @ 200 C/C
C6; C7; C8; C9; C12; C13; C14; C16; C17; C18; C19; C21; C22; C23; C24;	300 x 400	10 - 16 Ø TOR	2L- 8 TOR @ 200 C/C	300 x 400	6 - 16 Ø TOR + 4 - 12 Ø TOR	2L- 8 TOR @ 200 C/C

SCHEDULE OF BEAM :-

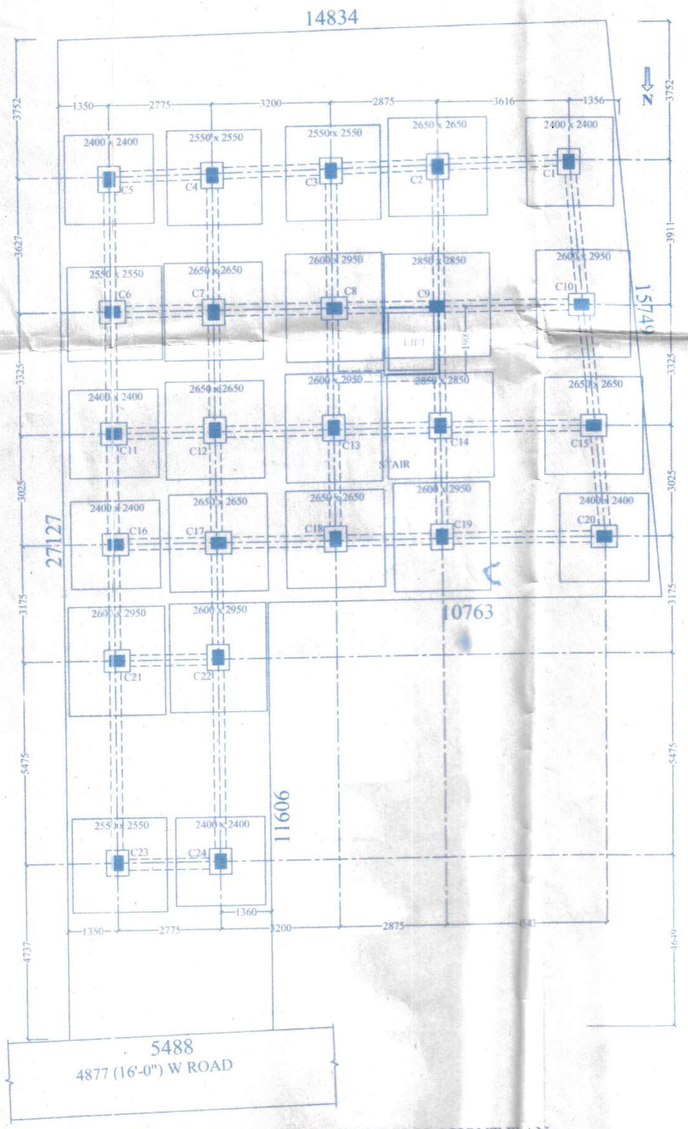
BEAM MARKED	SIZE OF BEAM	AT SUPPORT REINFORCEMENT			AT SPAN REINFORCEMENT		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
B	300 x 400	3 - 16 TOR + 3 - 16 TOR	3 - 16 TOR	2L- 8 TOR @150 C/C	3 - 16 TOR	3 - 16 TOR + 2 - 16 TOR	2L- 8 TOR @ 200 C/C
B1	300 x 400	2 - 16 TOR + 3 - 16 TOR	2 - 16 TOR	2L- 8 TOR @150 C/C	2 - 16 TOR	2 - 16 TOR + 1 - 16 TOR	2L- 8 TOR @ 200 C/C
B2	300 x 400	2 - 16 TOR + 1 - 16 TOR	2 - 16 TOR	2L- 8 TOR @150 C/C	2 - 16 TOR	2 - 16 TOR	2L- 8 TOR @ 200 C/C

SCHEDULE OF SLAB :-

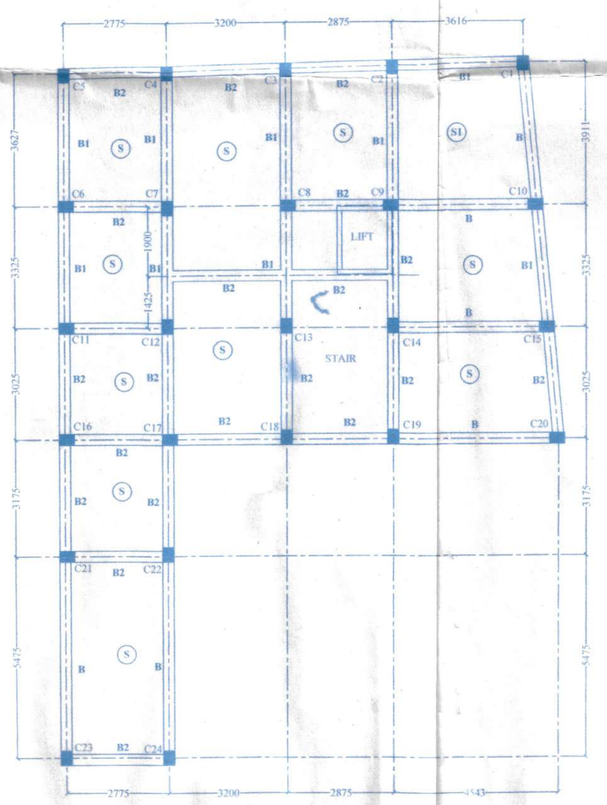
SLAB MKD	THICKNESS (mm)	REINFORCEMENT AT SUPPORT				REINFORCEMENT AT SPAN			
		ALONG LONGER DIR.		ALONG SHORTER DIR.		ALONG LONGER DIR.		ALONG SHORTER DIR.	
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM
S	100	8 TOR @ 125 C/C	8 TOR @ 250 C/C	8 TOR @ 125 C/C	8 TOR @ 250 C/C	—	8 TOR @ 125 C/C	—	8 TOR @ 125 C/C
S1	125	8 TOR @ 125 C/C	8 TOR @ 250 C/C	8 TOR @ 125 C/C	8 TOR @ 250 C/C	—	8 TOR @ 125 C/C	—	8 TOR @ 125 C/C

Note :

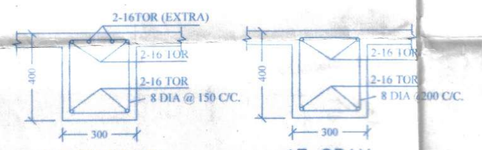
1. All dimensions are in MM. Levels are in Meter.
2. Written dimensions are to be followed.
3. This drawing is to be read in conjunction with relevant architectural drawing.
4. Grade of concrete is M20 (mix not leaner than 1:1.5:3)
5. Grade of reinforcement is Tor Steel, Grade - Fe-415 .
6. Clear cover to main reinforcement
   a) Footing = 50 mm
   b) Column = 40 mm
   c) Tie Beam = 25 mm
   d) Beam = 25 mm
   e) Slab = 20 mm
7. Lap length = 50 X Diameter of bar
8. All distribution bar is 8 tor @ 250 C/C
9. Used IS Codes :
   i) IS:456-2000
   ii) IS:875 (Part II & III -1987)
   iii) IS:1893 - 2002
   iv) SP-16 & SP-34



COLUMN FOUNDATION & TIE BEAM LAYOUT PLAN
SCALE - 1:100

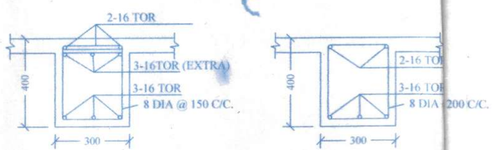


ROOF BEAM & SLAB LAYOUT PLAN
SCALE - 1:100



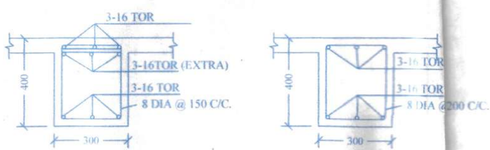
AT SUPPORT AT SPAN

DETAILS OF BEAM (B2)
(SCALE : 1:25)



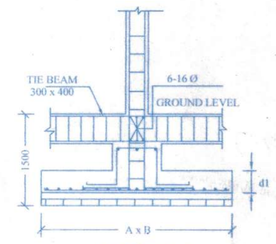
AT SUPPORT AT SPAN

DETAILS OF BEAM (B1)
(SCALE : 1:25)

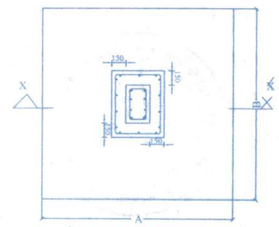


AT SUPPORT AT SPAN

DETAILS OF BEAM (B)



SECTION X - X'



DETAILS OF COLUMN
SCALE : - 1:40

PROPOSED G + IV STORIED STRUCTURAL PLAN OF SMT. GITA MITRA & SMT. GAYATRI SARKAR HOLDING NO.- 69/2 , NALTA SCHOOL ROAD, KOLKATA -700028 , MOUZA SULTANPUR, J.L. NO. -10 , R.S. 89, TOUZI NO. 172, R.S DAG NO. 493, R.S KHATAIN NO. 122, WARD NO. -7 , P.S. - DUM DUM , UNDER DUM DUM MUNICIPALITYY

CERTIFICATE OF OWNERS :-

CERTIFIED THAT I SHALL NOT A LATER DATE MAKE ANY ADDITION OR ANY ALTERATION TO THIS PLAN.
CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING RULES FOR THE DUM DUM MUNICIPALITY AND ALSO UNDERTAKE TO ABIDE BY THOSE RULES DURING & AFTER CONSTRUCTION OF THE BUILDING.
I/WE AS LAND OWNER HEREBY CERTIFIED THAT I/WE INDEMNIFY DUM DUM MUNICIPALITY REGARDING TITLE OF LAND ie. DUM DUM MUNICIPALITY WILL NOT BE HELD RESPONSIBLE, IF ANY DISPUTE ARISES IN FUTURE REGARDING THE TITLE OF THE LAND.

Joy Gopal Nannaz

(AS CONSTITUTE ATTORNEY OF
SMT. GITA MITRA &
SMT. GAYATRI SARKAR

CERTIFICATE OF ENGINEER :-

CERTIFIED THAT THE FOUNDATION & SUPERSTRUCTURE OF THE BUILDING HAVE BEEN SO DESIGNED BY ME IS SAFE IN ALL RESPECT INVOLVING THE CONSIDERATION OF BEARING CAPACITY & SETTLEMENT OF SOIL ETC.
AS PER I.S. STANDARD & N.B CODE. CERTIFIED THAT THE PLAN HAS BEEN DESIGNED & DRAWN UP STRICTLY ACCORDING TO THE BUILDING RULES FOR DUM DUM MUNICIPALITY.
I AS STRUCTURAL ENGINEER HEREBY CERTIFIED THAT I INDEMNITY DUM DUM MUNICIPALITY FROM ANY STRUCTURAL DEFECT & FOR FAILURE OF THE PROPOSED PART OF THE BUILDING AFTER OR DURING THE CONSTRUCTION.

Ashim Kumar Saha
ASHIM KUMAR SAHA
Civil Engineer (M.E.)
PWD 116/A/M.E.
Dum Dum Municipality

SIGNATURE OF ENGINEER