PILE SCHEDULE

GRADE OF CONCRETE - M25
MIN CEMENT CONTENT IN CONC. SHALL BE = 400Kg/m^3

TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY (TON)	CUT OFF LEVEL	TERMINATION DEPTH OF PILE
CIRCULAR	500	8 –16 TOR	34 TON	(–) 1.50 M.	(–) 19.5 M. FROM E.G.L.

FLOOR SLAB SCHEDULE:–

SLAB MKD.	SLAB THK.	SHORTER SPAN		LONGER SPAN	
		SUPPORT TOP	MID SPAN BOTTOM	SUPPORT TOP	MID SPAN BOTTOM
S1	165	10 T @ 150 C/C	10 T @ 175 C/C	10 T @ 150 C/C	10 T @ 200 C/C
S2	125	8 T @ 125 C/C	8 T @ 175 C/C	8 T @ 150 C/C	8 T @ 200 C/C
S3	115	8 T @ 150 C/C	8 T @ 175 C/C	8 T @ 150 C/C	8 T @ 200 C/C
S4	100	8 T @ 150 C/C	8 T @ 200 C/C	8 T @ 150 C/C	8 T @ 200 C/C

PILE CAP SCHEDULE

GRADE OF STEEL – MAIN STEEL = Fe 500, GRADE OF CONCRETE M25,

TYPE	NO. OF PILES	DEPTH	SIZE	REINFORCEMENT DETAILS		
				SHORTER DIRECTION	LONGER DIRECTION	BINDER
3P	3	900	AS SHOWN	16 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	16TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	12 TOR @150C\C
4P	4	1000	2300x2300	20 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	20 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	12 TOR @150C\C
6P	6	1200	2675x2550	25 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	25 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	12 TOR @150C\C
10P	10	1200	5800x2050	25 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	25 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	12 TOR @150C\C
17P	17	1500	13300x2050	25 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	25 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	12 TOR @150C\C
22P	22	1500	13300x2050	25 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	25 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	12 TOR @150C\C
30P	30	2000	13300x2050	25 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	25 TOR @ 150C\C (B) 12 TOR @ 150C\C (T)	12 TOR @150C\C

COLUMN SCHEDULE

GRADE OF CONCRETE M30, GRADE OF STEEL – Fe 500,

5TH FLOOR TO ROOF	10–16 TOR	10–16 TOR	12–16 TOR	10–16 TOR	10–16 TOR	VER.12 T@150C/C HOR.10 T@150C/C	VER.12 T@150C/C HOR.10 T@150C/C
3RD FLOOR TO 5TH FLOOR	6–20 TOR + 4–16 TOR	6–20 TOR + 4–16 TOR	12–16 TOR	6–20 TOR +	6–20 TOR + 4–16 TOR	VER.12 T@150C/C HOR.10 T@150C/C	VER.12 T@150C/C HOR.10 T@150C/C
FOUNDATION TO 3RD FLOOR	10–20 TOR	10–20 TOR	12–16 TOR	10–20 TOR	10–20 TOR	VER.12 T@150C/C HOR.10 T@150C/C	VER.12 T@150C/C HOR.10 T@150C/C
SIZE	300X500	300X525	300X975	300X600	800X300	5150X200	4150X200
LINKS	8 TOR STIRRUP @ 150 C/C						
COLUMN MKD	C1,C3,C5,C6, C7,C8,C12,C13 C14,C15,C16	C2	C4,C10	C9	C11	SW–1,SW–3,	SW–2,SW–4,

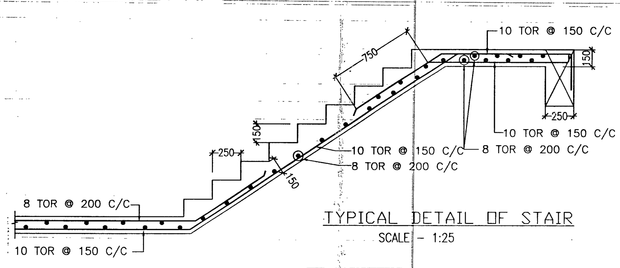
TYPICAL FLOOR BEAM SCHEDULE:-

BEAM MKD.	BEAM SIZE	SUPPORT REINFORCEMENT			SPAN REINFORCEMENT		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
BM–1	250X500	3–25T+ 3–16T	3–25T	8T@115 C/C	2–25T	3–25T	8T@200 C/C
BM–2	250X500	3–20T+ 3–16T	3–20T	8T@115 C/C	3–20T+ 3–16T	3–20T	8T@200 C/C
BM–3	250X500	3–20T	3–16T	8T@115 C/C	2–20T	3–20T	8T@200 C/C
BM–4	250X500	3–20T+ 3–16T	3–20T	8T@115 C/C	3–20T+ 3–16T	3–20T	8T@200 C/C
BM–5	200X500	3–25T+ 3–16T	3–20T	8T@150 C/C	2–20T	5–20T+ 2–16T	8T@250 C/C
HLB–1	200X400	3–20T	3–20T	8T@150 C/C	2–20T	3–20T	8T@250 C/C

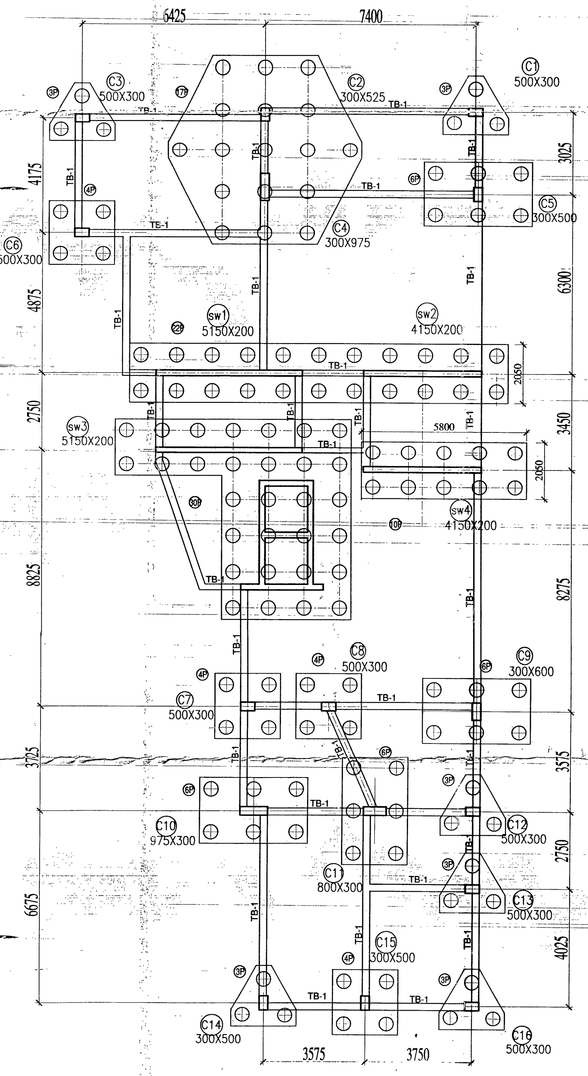
LIFT SCHEDULE

GRADE OF CONCRETE M–25

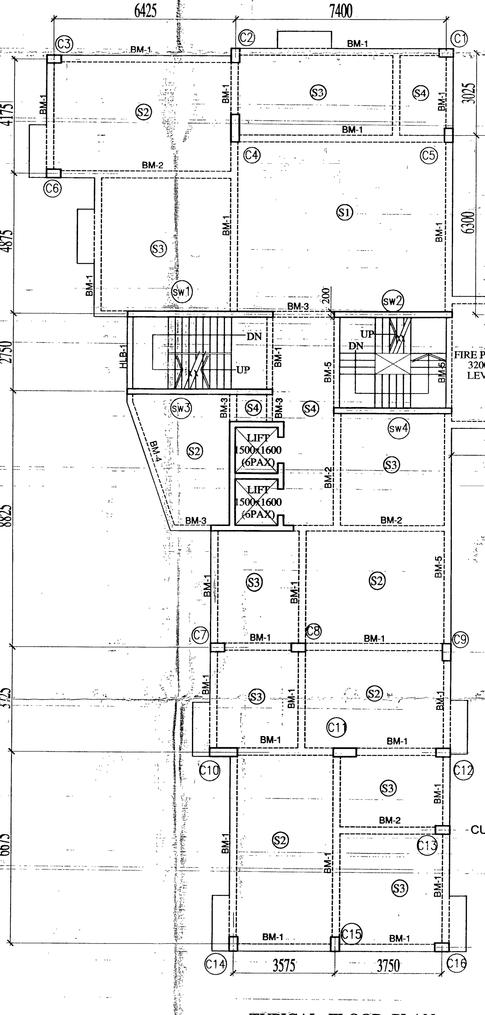
R.C.WALL THK.	REINFORCEMENT	
	VERTICAL	HORIZENTAL
200	12T@R150C/C B/F	10T@R200C/C B/F



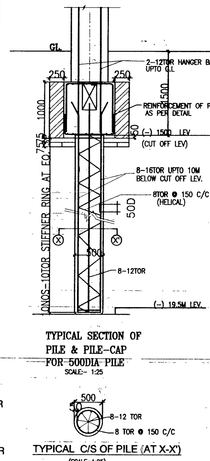
TYPICAL DETAIL OF STAIR
SCALE – 1:25



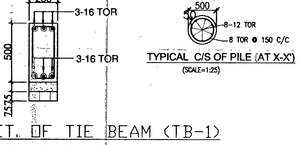
FOUNDATION LAYOUT PLAN
SCALE 1:100



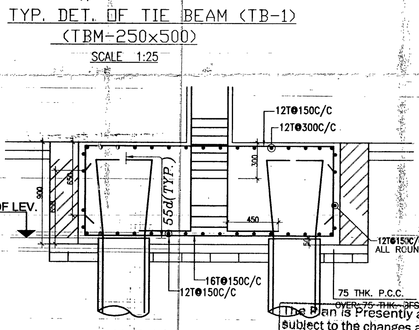
TYPICAL FLOOR PLAN
(1ST TO 7TH)
SCALE 1:100



TYPICAL SECTION OF PILE & PILE–CAP FOR 500DIA PILE
SCALE– 1:25



TYPICAL C/S OF PILE (AT X-X')
(SCALE=1:25)



TYP. DET. OF TIE BEAM (TB-1)
(TBM-250x500)
SCALE 1:25

TYPICAL DETAIL OF PILE CAP
SCALE 1:25

CHECKED BY: T. C.

The Plan is Presently approved subject to the changes as marked in accordance of recomendation issued.
Director-in Charge
Fire prevention wing
W.B. Fire & Emergency Services
Govt. of West Bengal

CERTIFICATE OF STRUCTURAL STABILITY
I HEREBY DECLARE THAT THE FOUNDATION & SUPER-STRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION FOR THE RESIDENTIAL BUILDING SITUATED IN KOLKATA HAVE BEEN SO DESIGNED BY ME THAT IT WILL MAKE SUCH FOUNDATION AND SUPERSTRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY OF SOIL ETC.

SIGNATURE OF ENGINEER
BIBEK BIKASH MULLICK
BACHELOR OF CIVIL ENGINEER (B.C.E)
EMPANELMENT NO.- ESE-1775

SAUGATA MITRA
B. ARCH., AIIA
CA/2002/29849

SIGNATURE OF ARCHITECT
SAUGATA MITTRA
B.ARCH.,AIIA
CA/2002/29849

CERTIFICATION :
ALL TECHNICAL DATA AND INFORMATION ABOUT LAND PROPERTY AREA GIVEN BY US.

SIGNATURE OF CLIENT/OWNER

PROPOSED G+VII (HT.-25.5M) RESIDENTIAL BUILDING AT PREMISES N0.- 125A,MOTILAL NEHRU ROAD, WARD NO.-85, BOROUGH NO.- VIII,POLICE STATION -LAKE, KOLKATA- 700029.

PROJECT CLIENT
MONARK DEALCOM PRIVATE LIMITED
Kamalaya Centre, Room No. G-50, 156A, Lenin Sarani, Police Station - Bowbazar, Post Office - Dharamtala, Kolkata - 700 013

REVISIONS	DATE
	DD MM YY

DRAWN BY : SUMITA
CHECKED BY : BBM
DATE : 29. 05. 2018
DWG NO: 125A MNR/FIRE/STR/01

SCALE: 1:100,1:25
TITLE: STRUCTURAL DETAIL

NOTE :
ALL NECESSARY INFORMATIONS ARE PROVIDED BY THE OWNER ONLY. LIABILITY OF ARCHITECT/ENGINEER RESTRICTED.

CONSULTANTS FOR HUMAN SETTLEMENT
FLAT-3B, 7TH FLoor, 105 Park Street, Kolka a-700016
Tel.:+91-33-22651263/64
E- mail : saugata.shelter@gmail.com
164/B Becharam Chatterjee Street, Kolkata-700061
566/Anna Salai, Teynapet, Chennai- 600018

STRUCTURAL SHEET NO : 1 OF 1 | TOTAL SHEET NO : 6 OF 6

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