

SCHEDULE OF BEAM						
BEAM MARKED	SIZE OF BEAM ie WIDTH(mm) x DEPTH(mm)	SUPPORT REINFORCEMENT LONGITUDANAL REINFORCEMENT		SPAN REINFORCEMENT LONGITUDANAL REINFORCEMENT		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
B-1	250 X 350	2 - 16 Φ (ALTH) + 2 - 12 Φ (EXTRA)	2 - 12 Φ (ALTH)	2 - 16 Φ (ALTH)	2 - 12 Φ (ALTH) + 2 - 12 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C
B-2	250 X 350	2 - 16 Φ (ALTH) + 2 - 16 Φ (EXTRA)	2 - 16 Φ (ALTH)	2 - 16 Φ (ALTH)	2 - 16 Φ (ALTH) + 2 - 12 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C
B-3	250 X 400	3 - 16 Φ (ALTH) + 2 - 16 Φ (EXTRA) (2ND LAYER)	2 - 16 Φ (ALTH)	3 - 16 Φ (ALTH)	2 - 16 Φ (ALTH) + 2 - 12 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C

SCHEDULE OF COLUMN		
COLUMN MARKED	COLUMN SIZE & REINFORCEMENT FROM FOUNDATION TO 2ND FLOOR LEVEL	COLUMN SIZE & REINFORCEMENT FROM 2ND FLOOR LEVEL TO ROOF LEVEL
C-1, C-2, C-3, C-4, C-6, C-13, C-14, C-15, C-16, C-18	250 X 400 8 NOS. 16 Φ	250 X 400 4 NOS. 16 Φ + 4 NOS. 12 Φ
C-5, C-7, C-8, C-9, C-10, C-11, C-12, C-17	250 X 450 8 NOS. 16 Φ + 2 NOS. 12 Φ	250 X 450 4 NOS. 16 Φ + 4 NOS. 12 Φ
USE 8 Φ STIRRUPS @ 200 MM C/C		

SCHEDULE OF PILE & PILE CAP				
PILE CAP MARKED	COLUMN MARKED	DIA OF PILE	NO. OF PILES UNDER EACH CAP (NOS.)	TOTAL NOS OF PILE (NOS.)
PC - 1	C-1, C-2, C-3, C-4, C-6, C-13, C-15, C-16, C-18	450	2	18
PC - 2	C-5, C-7, C-8, C-9, C-10, C-11, C-12, C-14, C-17	450	3	27
TOTAL NO. OF PILES			45	

BAR MRD.	SHAPE OF BAR	DIA. OF BAR (MM)	NOS./ SPACING
1		12 Φ	6 NOS.
2		16 Φ	6 NOS.
3		12 Φ	3 NOS.
4		10 Φ @ 150 MM C/C	

BAR MRD.	SHAPE OF BAR	DIA. OF BAR (MM)	NOS./ SPACING
1		12 Φ	@150 MM C/C IN BOTH WAYS
2		16 Φ	@125 MM C/C IN BOTH WAYS
3		12 Φ	3 NOS.

SCHEDULE OF TIE-BEAM				
SIZE OF BEAM ie WIDTH(MM) x DEPTH (MM)	SUPPORT REINFORCEMENT		SPAN REINFORCEMENT	
	LONGITUDANAL REINF.		LONGITUDANAL REINF.	
	TOP	BOTTOM	TOP	BOTTOM
250 X 350	2 - 12 Φ (ALTH) + 2 - 12 Φ (EXTRA)	2 - 12 Φ	2 - 12 Φ	2 - 12 Φ (ALTH) + 2 - 12 Φ (EXTRA)
				8 Φ @ 150MM C/C

STRUCTURAL DRAWING OF A PROPOSED

G+III STORIED RESIDENTIAL BUILDING

AT PREMISES NO. - 78/1E, BRAHMA SAMAJ

ROAD, WARD NO. - 130, BOROUGH - XIV,

SPECIFICATIONS:-

- DEPTH OF FOUNDATION IS AT 1.50 M. BELOW EX. G.L.
- SAFE BEARING CAPACITY OF SOIL IS AS PER SOIL TEST REPORT.
- GRADE OF CONC. IS M-20 AND GRADE OF STEEL IS Fe-500.
- CLEAR COVER TO MAIN REIN. IS AS PER BELOW :-
a). FOUNDATION - 75 MM. b). COLUMN - 40 MM.
c). BEAM - 25 MM. d). SLAB - 20 MM.
- ALL SLABS MUST BE CAST MONOLYTHIC WITH SUPPORTING BEAM.
- ALL OTHER SPECIFICATIONS ARE AS PER NATIONAL BUILDING CODE OF INDIA.

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER-STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME ON THE BASIS OF SOIL INVESTIGATION REPORT MADE BY SOIL - TECH 51/1H, PRINCE GOLAM HOSSAIN SHAH ROAD, JADAVPUR, KOLKATA. SIGNED BY BHASKAR ROY, CONSIDERING THAT ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AS PER THE NATIONAL BUILDING CODE OF INDIA LATEST REVISION & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECT.

Debabrata Ghosh

DEBABRATA GHOSH
E.S.E. NO.-II/228

SIG. OF STRUCTURAL ENGINEER

DECLARATION OF GEO - TECHNICAL 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 FROM THE PROPOSED CONSTRUCTION & THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE & STABLE IN ALL RESPECT FROM GEO - TECHNICAL POINT OF VIEW.

Bhaskar Roy

BHASKAR ROY (G.T.-II/2)
SIGNATURE GEO - TECHNICAL ENGINEER

Krishnendu Ray

KRISHNENDU RAY
L.B.S. OF K.M.C.
L.B.S. NO. 1085, CLASS-I
SIGNATURE OF L.B.S./ARCHITECT

LNB Realty
Dr. Anil Kumar
Sanjay Choudhary
Partner
As Constituted Attorney of
BAPI PAL
SHRABANI CHATTERJEE

SRI BAPI PAL &
SMT. SHRABANI CHATTERJEE
SIGNATURE OF OWNERS

