

TYPICAL DETAILS OF R.C.C. ROOF SLAB (S)

2-16 Q+1-12Q

SUPPORT REINFORCEMENT SPAN REINFORCEMENT

mm C/C.

mm C/C.

3-16 Q 3-16 Q 8 Q - @ 150 3-16 Q 3-16 Q 8 Q - @ 150

2-12 Q 2-12 Q mm C/C. 2-12 Q 2-12 Q mm C/C.

- 8 Q @ 200 C/C

LONGITUDINAL SEC. OF BEAM B-2

SCHEDULE OF BEAM

REINFORCEMENT

2-16 ℚ

3-16 Q 1-12 Q

2-12 ℚ

BEAM SIZE (mm)

В-4 250 Х 350 2-16 Ф

B-5 | 250 X 400 | 3-16 Q | 2-16 Q

B-1 250 X 350

BEAM

MKD.

-2-16 Q+1-12Q

2-12 **Q**

LONGITUDINAL

REINFORCEMENT

TOP BOTTOM

STIRRUP

1-12 0 mm C/C.

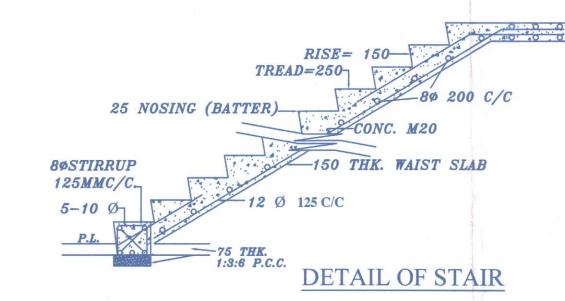
2-16 Q 2-16 Q mm C/C.

8 Q - @ 150 mm C/C. 2-16 Q 3-16 Q 8 Q - @ 200 mm C/C.

8Q-@140 2-16Q 4-16Q 8Q-@200

			SCHEDU	LE OF SLA	В		
PANNEL MKD.	THIKNESS OF SLAB	REINFORCEMENT ALONG SHORTS SPAN			REINFORCEMENT ALONG LONG SPAN		
		AT SUPPORT		A SPAN	AT SUPPORT A		A SPAN
	(m.m)	ТОР	BOTT	ВОТТ	ТОР	BOTT	ВОТТ
ALL PANNEL	115	8 Q - @ 150 mm C/C.	8 Q - @ 300 mm C/C.	8 Q - @ 150 mm C/C.	8 Q - @ 175 mm C/C.	8 Q - @ 350 mm C/C.	8 Q - @ 175 mm C/C.

SCHEDULE OF R.C.C.STAIRCASE REINFORCEMENT **THICKNESS THICKNESS** OF WAIST SLAB OF LANDING SLAB **DIST.-BARS** MAIN REINFORCEMENT (m.m) 12 Q - @ 125 C/C. 8 Q - @ 200 C/C. 150



	SCHEDULE OF FOUNDATION						
FDN. MKD.	FOUNDATION UNDER COLUMN	SIZE OF FOUNDATION	SIZE OF PEDESTAL	DEPTH AT		FOUNDATION	
				TOE	HEEL	REINFORCEMEN IN BOTH-WAY	
F1	C1, C4, C19	2000 X 2000	450 X 600 X 650	150	350	12 Ø @ 175 C/C	
F ₂	C2, C12, C13	2100 X 2100	450 X 600 X 700	200	400	12 Ø @ 150 C/C	
F3	C9	2400 X 2400	500 X 650 X 700	200	400	12 Ø @ 150 C/C	
F4	C15, C18	2600 X 2600	500 X 650 X 700	200	400	12 Ø @ 140 C/C	
F5	C11, C14	2800 X 2800	500 X 650 X 750	250	450	12 Ø @ 125 C/C	

FOOTING

REINFORCEMENT

SHORTS LONGS

SPAN

12 **Q** @ 125 C/C

12 **Q** @

125 C/C

SPAN

12 0 @

150 C/C

12 @@

150 C/C

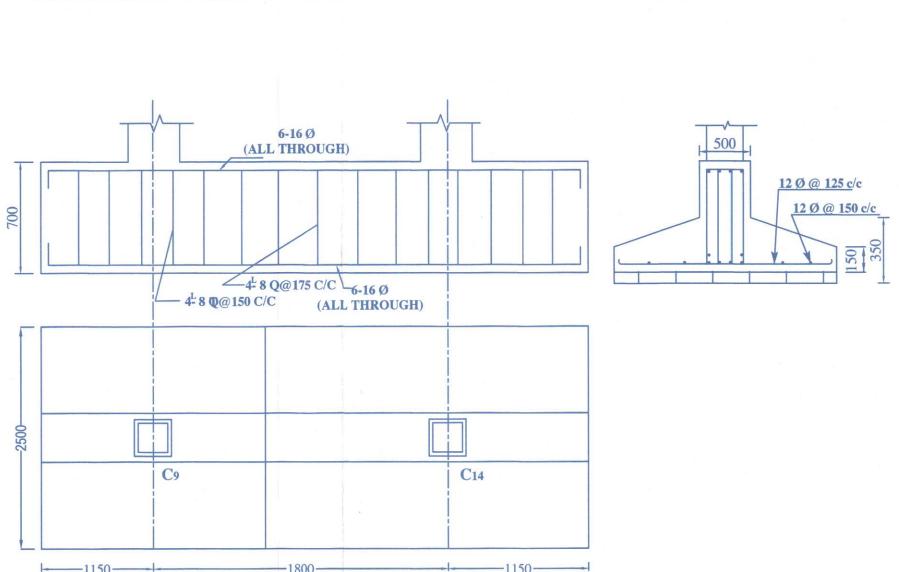
		SCHED	ULE OF FOUNDATION
COLUMN MKD.	FOUNDATION UNDER COLUMN	SIZE OF FOUNDATION	LONGITUDINAL BEAM REINFORCEMENT
F6	C3 - C5 & C20 - C21	2000 X 4300	RIB BEAM SIZE: 500 X 700 REINFORCEMENT: 6-16 Q AT TOP AND AT 6-16 Q AT BOTTOM THROUGH THE BEAM AND PROVIDE 4 ^L -8 Q STIRRUP @ 150 C/C AT SUPPORT @150 C/C AT MID SPAN.
	C6 - C7		RIB BEAM SIZE: 600 X 800 REINFORCEMENT: 8-16 Q AT TOP

C8 - C10

C16 - C17

2500 X 5000

	REINF			
COLUMN MKD.	SIZE OF MAIN REINFORCEMENT		STIRUUP	
C1, C4, C19, C21	250 X 350	6-16 Q + 2-12 Q	8 Ø @ 200 C/C	
C2, C3, C5, C12, C13, C16	250 X 400	8-16 Ф	8 Ø @ 200 C/C	
C7, C8, C9, C20	250 X 400	8-16 Q + 2-12 Q	8 Ø @ 200 C/C	
C6, C10, C15, C18	250 X 400	10-16 Ф	8 Ø @ 200 C/C	
C11, C14, C17	250 X 450	4-20 Q + 6-16 Q	8 Ø @ 200 C/C	



-FOUNDATION REINFORCEMENT (REF. SCHEDOLE OF FOUNDATION)

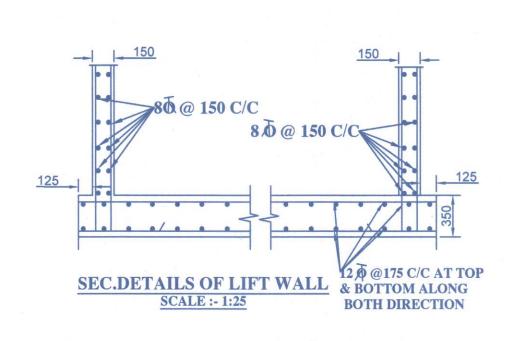
-COLUMN

REINFORCEMENT

-PEDESTAL

(REF. SCHEDULE OF COLUMN)

DETL. OF COLUMN



STRUCTURAL DESIGN FOR PROPOSED G+III STORIED APARTMENT RESIDENTIAL BUILDING (OTHER THAN SELF USE) OF 1). SMT. ARUNA GANGULY, 2). SRI GOUTAM GANGULY, 3). SRI UTTAM GANGULY, 4). SMT GOPA MUKHERJEE, & 5). SMT. RUPA BANERJEE, AT S.N. BANERJEE ROAD, MISTRYGHAT, MOUZA - MONIRAMPORE, P.S. - BARRACKPORE UNDER R.S.& L.R. DAG NO - 546, R.S. KHATIAN NO - 858, COMPRISING L.R. KHATIAN NO.- 909, J.L. NO -02, HOLDING NO -224, WARD NO - 23, UNDER NORTH BARRACKPORE MUNICIPALITY. DIST - 24 PARGANAS(N).

MORE THAN 0.5

ALL DIMENSIONS ARE IN m.m. # ALL STRUCTURAL CONC. ARE OF **GRADE M-20 WITH W/C RATIO NOT** # CLEAR COVER:-1. COLUMN 2. FOUNDATION :- 50 m.m. 3. FLOOR BEAM :- 25 m.m. 4. FLOOR SLAB :- 15 m.m.

ALL STEEL ARE OF HYSD FE-415 GRADE

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE ARCHITECHTURAL DRAWING OF THIS BUILDING.

ALLOWABLE BEARING CAPACITY OF SOIL IS CONSIDERED AS PER SOIL-INVESTIGATION REPORT SUBMITTED BY OWNER OF THE BUILDING.

CERTIFICATE OF OWNER

CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING RULES AND BYE LAW FOR THE WEST BENGAL MUNICIPAL [BUILDING] RUES 2007 AND ALSO UNDER TAKE TO ABIDE BY THOSE RULES DURING AND AFTER THE CONSTRUCTION OF THE BUILDING.

CERTIFI THAT I SHALL NOT ON A LATER DATE MAKE ANY ADDITION AND ALTER- ATION TO THISPLAN DURING CONSTRUCTION. I SHALL BE FULLY RESPONSIBLE FOR ANY VIOLATION OF THE BUILDING RULES AS WELL AS SANCTIONED BUILDING PLAN.

SIGNATURE OF THE OWNER'S:

CERTIFICATE OF ENGG.

CERTIFIED THAT THE FOUNDATION AND THE SUPER STRUCTURE OF THE BUILDING HAVE BEEN SO DESIGNED BY ME SAFE IN RESPECT INCLUDING THE BEARING CAPACITY AND SETTLEMENT, OF SUB-SOIL ETC. AS PER ISI STANDERED

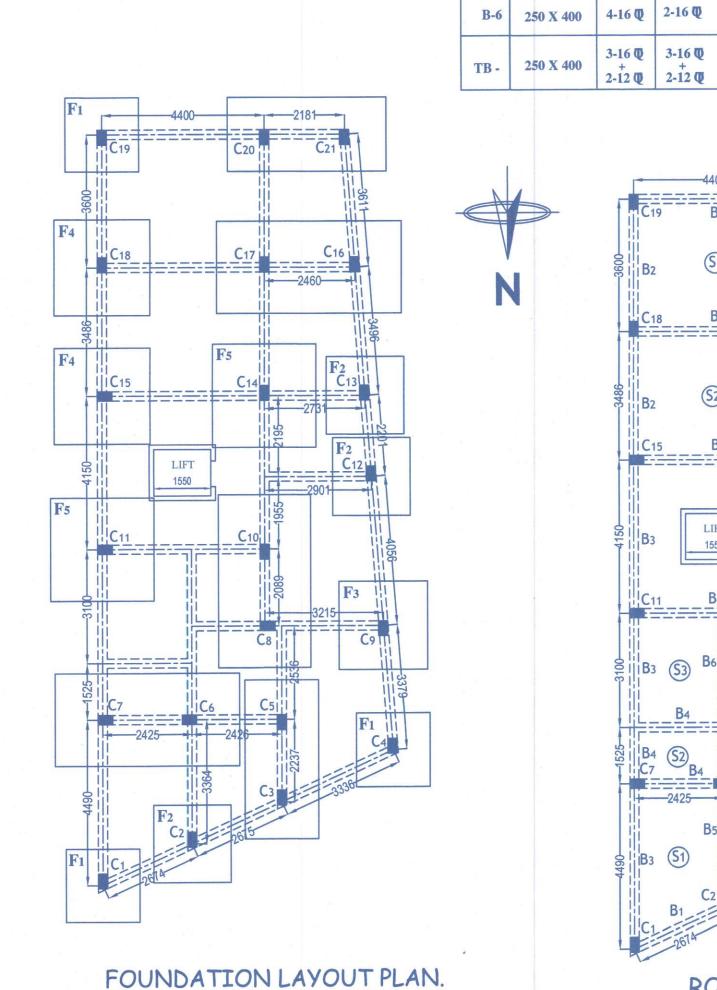
CERTIFIED THAT THE PLAN HAS BEEN DESIGNED AND DRAWN-UP STRICTLYACCORDING TO THE BUILDING RULES OF THE WEST BENGAL MUNICIPAL

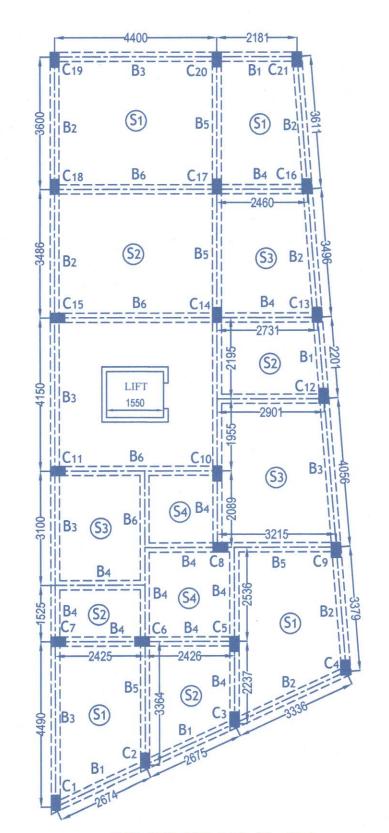
Areenable Drlindly

ARUNABHA DEBNATH Chartered Engineer (CIVIL) **Empanelled Structural Engineer** Lic. No.- ESE/II/569 Kolkata Municipal Corporation Mob.- 9830028976

SIGNATURE OF THE ENGG .:

Arunabha Debnath CHARTERED ENGINEER (CIVIL) KALYANGRAM, PALTA, 24 PGS(N) M:- 9830028976





AND AT 8-16 TO AT BOTTOM

THROUGH THE BEAM AND

PROVIDE 4^L-8**Q** STIRRUP @ 150 C/C

AT SUPPORT @150 C/C AT MID

DETL. OF COMBINED COLUMN

ROOF BEAM PLAN.