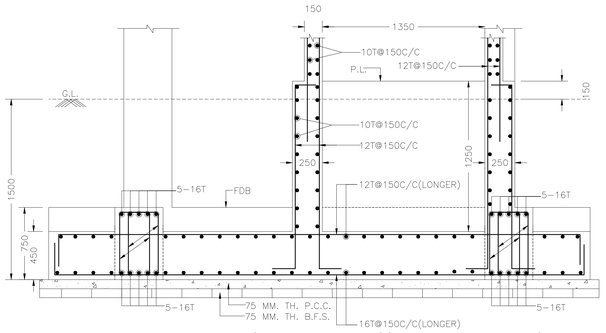
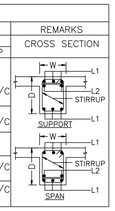
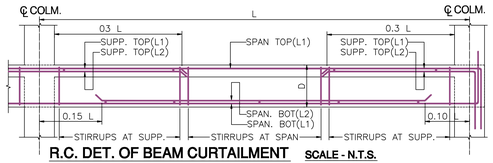


SECTION X-X (RAFT FOUNDATION)(RAFT-1 AND RAFT-2)

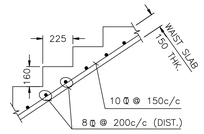
SCALE 1:25

SCHEDULE OF TIE BEAM , FLOOR BEAM AND ROOF BEAM														
MKD.	SIZE		REINFORCEMENT											REMARKS CROSS SECTION
	(W)	(D)	SUPPORT					SPAN						
			TOP		BOTTOM		STIRRUP	TOP		BOTTOM		STIRRUP		
			(L1)	(L2)	(L1)	(L2)		(L1)	(L2)	(L1)	(L2)			
FB	250	400	3-16ϕ	2-16ϕ	3-16ϕ	--	8ϕ@125C/C	3-16ϕ	--	3-16ϕ	2-16 ϕ	8ϕ@150C/C		
FB1	250	350	3-16ϕ	2-12ϕ	3-16ϕ	--	8ϕ@125C/C	3-16ϕ	--	3-16ϕ	2-12 ϕ	8ϕ@150C/C		
HLB	250	400	3-16ϕ	2-16ϕ	3-16ϕ	--	8ϕ@125C/C	3-16ϕ	--	3-16ϕ	2-16 ϕ	8ϕ@150C/C		
TB	250	350	3-16ϕ	--	3-16ϕ	--	8ϕ@125C/C	3-16ϕ	--	3-16ϕ	--	8ϕ@150C/C		





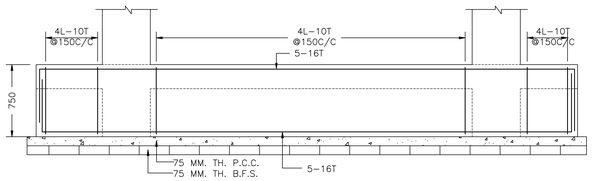
R.C. DET. OF BEAM CURTAILMENT SCALE - N.T.S.



DET. OF WAIST SLAB
(MID SPAN)
SCALE - 1 : 25

NOTES

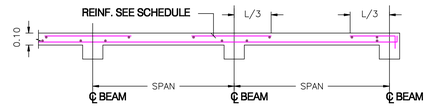
1. ALL DIMENSIONS ARE IN METER AND SCHEDULES ARE IN MILLIMETER.
2. ALL BRICK WORK TO BE DONE IN CEMENT MORTER (1:6)&125TH.(1:4)
3. ALL R.C.C. WORK TO BE DONE IN M-20 GRADE OF CONCRETE
4. GRADE OF STEEL FE500.
5. ALL R.C.C. WORK SHALL BE DONE AS PER IS: CODE
6. ALL OUTER WALLS 0.2 MTR. THK UNLESS OTHERWISE SPECIFIED. & ALL PARTITIONS WALL 0.125 MTR. & 0.075 MTR. THK.



TYPICAL SECTION OF FOUNDATION BEAM(FBD-500X750)

SCALE 1:25

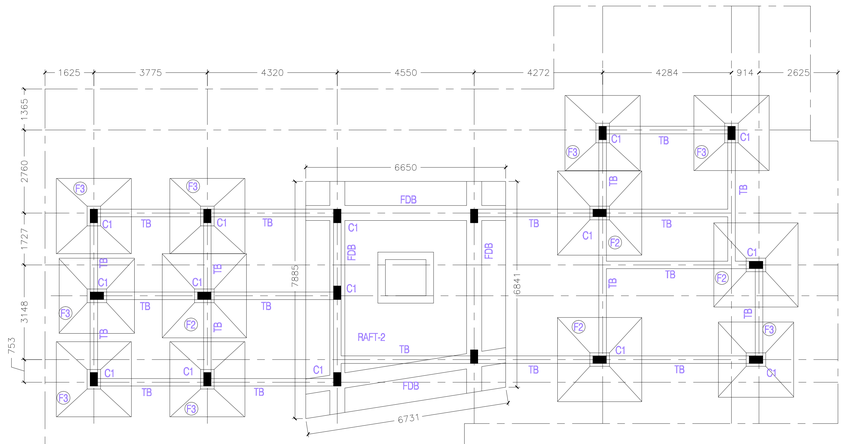
SCHEDULE OF COLUMN			
COLUMN MARK	SIZE	LONGITUDINAL BAR	LATERAL TIES
C1	250X450	10-16ϕ	8ϕ @ 150 C/C

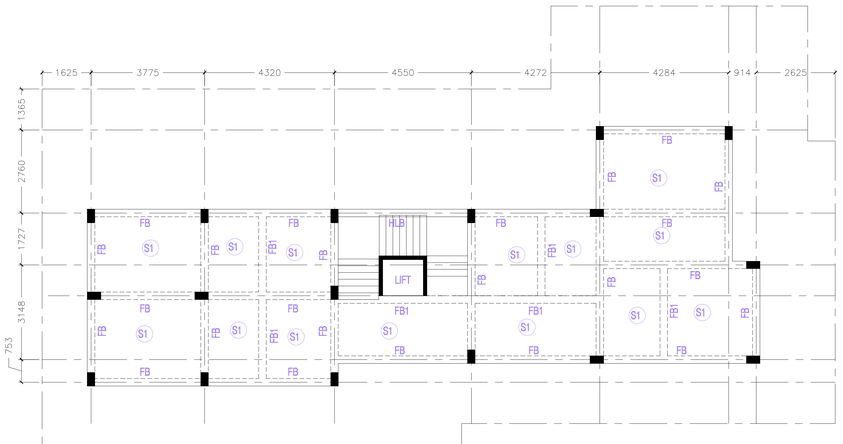


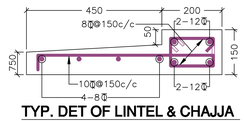
SECTION F-F
SCALE - N.T.S.

PROPOSED G+4 STORIED STRUCTURAL PLAN AT PREMISE NO.- 348, MAHARAJA NANDA KUMAR ROAD (NORTH), KOLKATA - 700035, MOUZA- BARANAGAR, J.L. NO.- 5, R.S. NO.- 6, TOUZI NO.- 1068/2833, C.S. KHATIAN NO.- 8606 & 281, R.S. KHATIAN NO.- 8606 & 9183, R.S. DAG NO.- 2869 & 2869/9404, L.R. DAG NO.- 4520 & 4523, UNDER BARANAGAR MUNICIPALITY, WARD NO.- 30, HOLDING NO.- 434, P.O & P.S - BARANAGAR, DIST.-24 PGS (N).

SCHEDULE OF SLAB							
MKD.	THK.	REINFORCEMENT					
		ALONG SHORTER DIRECTION			ALONG LONGER DIRECTION		
		SUPPORT		SPAN			
		TOP	BOTTOM	TOP	TOP	BOTTOM	TOP
S1	125	8ϕ@150C/C	8ϕ@150C/C	8ϕ@150C/C	8ϕ@150C/C	8ϕ@150C/C	8ϕ@150C/C







TYP. DET OF LINTEL & CHAJJA
SCALE - 1 : 10

AREA STATEMENT:-

AREA OF THE LAND = 10K - 03 CH - 00 SFT.=681.44 SQ.M.
(AS PER DEED)

AREA OF THE LAND = 10K - 02CH. - 44 SFT. = 681.31 SQ.M.
(AS PER PHYSICAL)

GIFTED AREA OF THE LAND = 0K - 07CH. - 36 SFT. = 32.58 SQ.M.

AREA OF THE LAND AFTER GIFTED = 9K - 11CH. - 08 SFT. = 648.73 SQ.M.

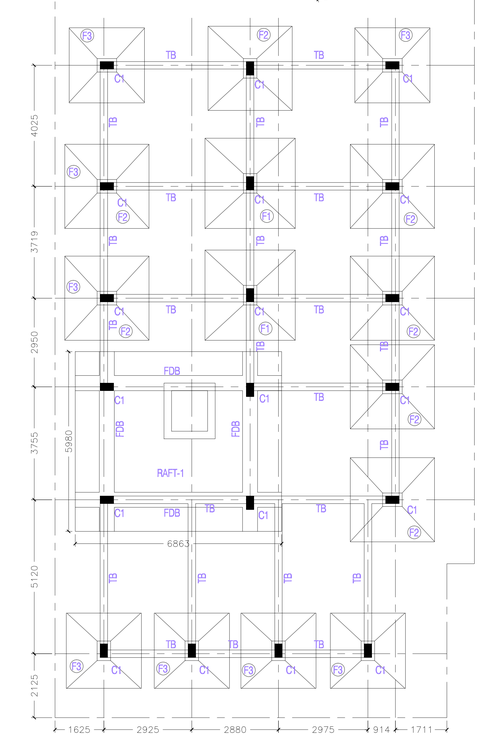
PERMISSIBLE COVER AREA OF GROUND FLOOR = 324.365 SQ.M. (50%)

PROPOSED COVERED AREA STATEMENT:

COVER AREA	BLOCK01	BLOCK02	(BLOCK01+BLOCK02)
GROUND FLOOR	192.92 SQ.M.	131.85 SQ.M.	324.26 SQ.M.
FIRST FLOOR	192.92 SQ.M.	131.85 SQ.M.	324.26 SQ.M.
SECOND FLOOR	192.92 SQ.M.	131.85 SQ.M.	324.26 SQ.M.
THIRD FLOOR	192.92 SQ.M.	131.85 SQ.M.	324.26 SQ.M.
FOURTH FLOOR	192.92 SQ.M.	131.85 SQ.M.	324.26 SQ.M.

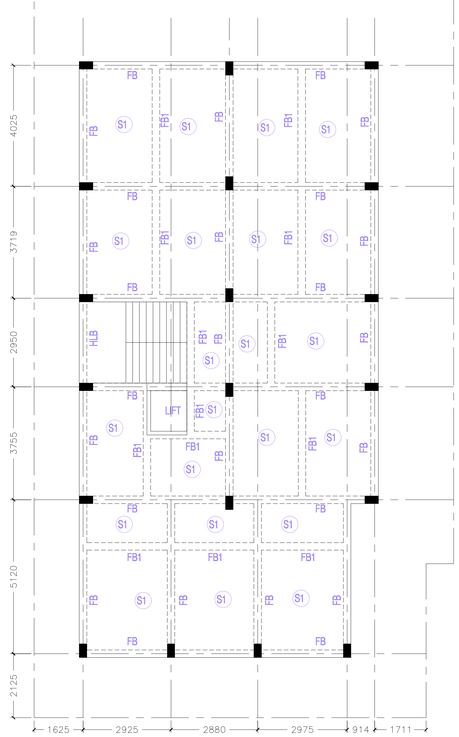
TOTAL PROPOSED COVERED AREA(BLOCK01+BLOCK02)= 1621.30 SQ.M.

LEFT OPEN AREA AT GROUND FLOOR = 324.47 SQ.M.



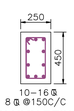
PROPOSED FOUNDATION LAYOUT PLAN

SCALE 1:100

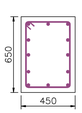


PROPOSED BEAM PLAN

SCALE 1:100



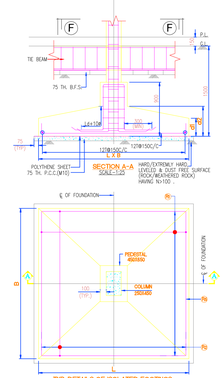
COLUMN REINF.
SECTION F-F
SCALE - 1 : 25



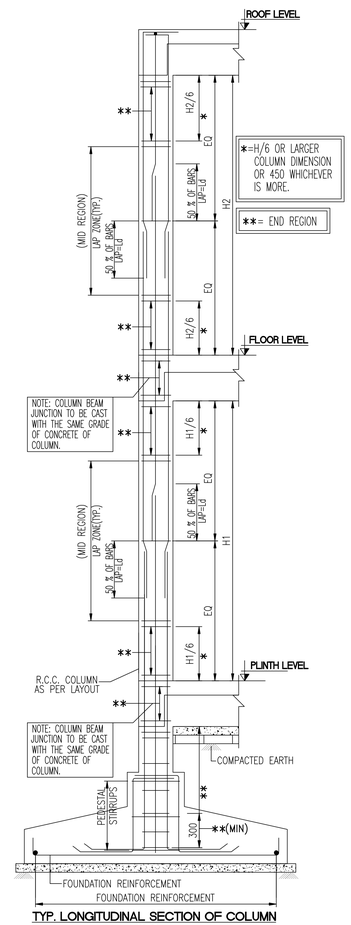
PEDESTAL REINF.
SECTION E-E
SCALE - 1 : 25

SCHEDULE OF FOUNDATIONS

FDN MKD	LENGTH (L)	WIDTH (B)	THICKNESS d1	d2	FOUNDATION REINFORCEMENT LONGER DIRECTION(PD)	SHORTER DIRECTION(PD)
F1	2500	2500	250	450	12ϕ@150C/C	12ϕ@150C/C
F2	2800	2800	250	450	12ϕ@150C/C	12ϕ@150C/C
F3	3000	3000	300	500	12ϕ@150C/C	12ϕ@150C/C



TYP. DETAILS OF ISOLATED FOOTINGS
SCALE-1:25



TYP. LONGITUDINAL SECTION OF COLUMN
N.T.S.

STRUCTURAL STABILITY CERTIFICATE

WE DO HEREBY CERTIFY THAT THE FOUNDATION & SUPER STRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PREM. NO. 348, MAHARAJA NANDA KUMAR ROAD (N), KOLKATA - 700035, WARD NO.- 30, HAVE BEEN SO DESIGNED & CHECKED BY US WILL SUCH FOUNDATION & SUPER STRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY & SETTLEMENT OF THE SOIL.

REETABRATA GHOSH
Structural Engineer
Baranagar Municipality
BM/SE- II / 002

NAME OF STRUCTURAL ENGINEER

LAXMI KUNJ REALTY PVT. LTD.

NAME OF THE OWNER

SAJAL DAS
Planner, Estimator & Supervisor
Licence No. BM/LBS-1/033
40, A.K. Banerjee Lane, Kol-36

NAME OF THE L.B.S.

Signature valid
Digitally Signed
Name: [illegible] MUKHERJEE
Date: [illegible] 2026 13:54:55 IST
Reason: Building Permit
Location: Baranagar