COLUMN SCHEDULE

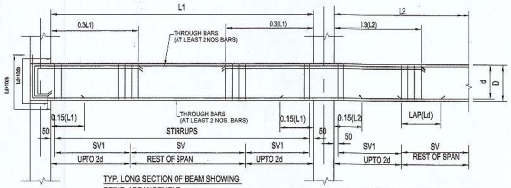
COL. MKD.	COL. SIZE	REINFORCEMENT	STIRRUP
C1,C10,C11,C12,C17,C18.	250X500	8–20TOR	8T LINKS @ 150 C/C
C3,C19,C16.	250X500	4–20TOR+4–16TOR	8T LINKS @ 150 C/C
C2,C13,C14,C15.	250X600	6–20TOR+4–16TOR	8T LINKS @ 150 C/C
C4,C6,C7.	250X600	10–20TOR	8T LINKS @ 150 C/C
C5.	250X825	12–20TOR	8T LINKS @ 150 C/C
C8.	250X1475	18–20TOR	8T LINKS @ 150 C/C
C9.	250X910	8–20TOR+6–16TOR	8T LINKS @ 150 C/C

SLAB SCHEDULE

SLAB MKD.	SLAB THICKNESS	REINFORCEMENT	
		ALONG SHORTER SPAN	ALONG LONGER SPAN
S1	140	8 TOR @ 125 C/C	8 TOR @ 125 C/C
S2	125	8 TOR @ 150 C/C	8 TOR @ 150 C/C
S3	140	8 TOR @ 125 C/C	8 TOR @ 175 C/C
S4	140	8 TOR @ 125 C/C	8 TOR @ 150 C/C
S5	115	8 TOR @ 175 C/C	8 TOR @ 200 C/C
S6	175	10 TOR @ 150 C/C	10 TOR @ 150 C/C

BEAM SCHEDULE

BEAM MKD.	BEAM SIZE	REINFORCEMENT			STIRRUPS
		L.H. SUPPORT	SPAN	R.H. SUPPORT	
B1	250X500	3–20TOR	2–20TOR	3–20TOR	2L 8TOR @ 125/175 C/C
		2–20TOR	3–20TOR	2–20TOR	
B2	250X500	5–20TOR	2–20TOR	5–20TOR	2L 8TOR @ 125/150 C/C
		2–20TOR	3–20TOR	2–20TOR	
B3	250X500	5–20TOR	2–20TOR	5–20TOR	2L 8TOR @ 125/150 C/C
		3–20TOR	5–20TOR	3–20TOR	
B4	250X500	3–20TOR	2–20TOR	3–20TOR	2L 8TOR @ 125/150 C/C
		2–20TOR	2–20TOR+ 1–16TOR	2–20TOR	
B5	250X500	2–16TOR+ 1–20TOR	2–16TOR	2–16TOR+ 1–20TOR	2L 8TOR @ 150/175 C/C
		2–16TOR	3–16TOR	2–16TOR	
B6	250X500	3–16TOR	2–16TOR	3–16TOR	2L 8TOR @ 150/175 C/C
		2–16TOR	2–16TOR+ 1–12TOR	2–16TOR	
B7	250X500	3–20TOR+ 2–16TOR	2–20TOR	3–20TOR+ 2–25TOR	2L 8TOR @ 125/175 C/C
		3–20TOR	3–20TOR	3–20TOR	
B8	250X500	3–20TOR	2–20TOR	3–20TOR	2L 8TOR @ 125/175 C/C
		3–20TOR	3–20TOR	3–20TOR	
B9	250X600	3–20TOR+ 2–25TOR	2–20TOR	3–20TOR+ 2–25TOR	2L 8TOR @ 125/150 C/C
		3–20TOR	3–20TOR	3–20TOR	
LB	250X450	3–20TOR	2–20TOR	3–20TOR	2L 8TOR @ 125/175 C/C
		2–20TOR	2–20TOR	2–20TOR	



TYP. LONG SECTION OF BEAM SHOWING REINF. ARRANGEMENT

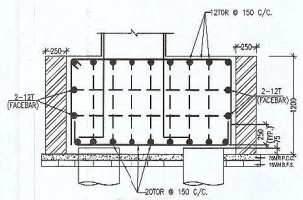
(LONGITUDINAL REINFORCEMENT & STIRRUPS SHALL BE AS SPECIFIED IN SCHEDULE)

SV1= NOT LESS THAN 100 MM NOT MORE THAN d/4
SV= NOT MORE THAN d/2 MM

GRADE OF CONCRETE	Ld= DEVELOPMENT LENGTH.
M20	56.6 X db
M25	49.5 X db
M30	45.3 X db

D= DEPTH OF OVER ALL BEAM.
d= EFFECTIVE DEPTH OF BEAM.
db= DIA. OF BAR.
Ld= DEVELOPMENT LENGTH OF BAR

UNLESS OTHERWISE SPECIFIED LAP LENGTH OF BARS SHALL BE NOT LESS THAN DEVELOPMENT LENGTH (Ld)



SECTION:- A-A

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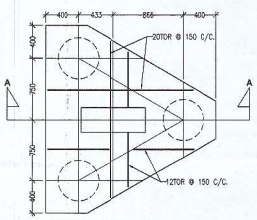

DETAIL OF 3 PILE CAP

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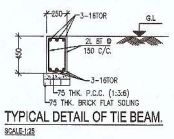
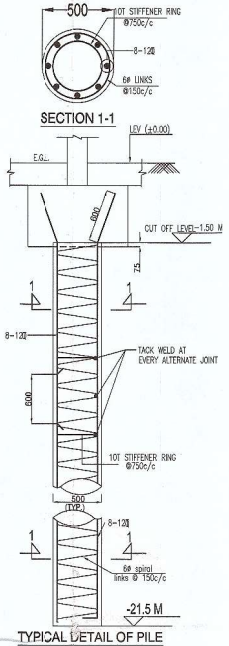
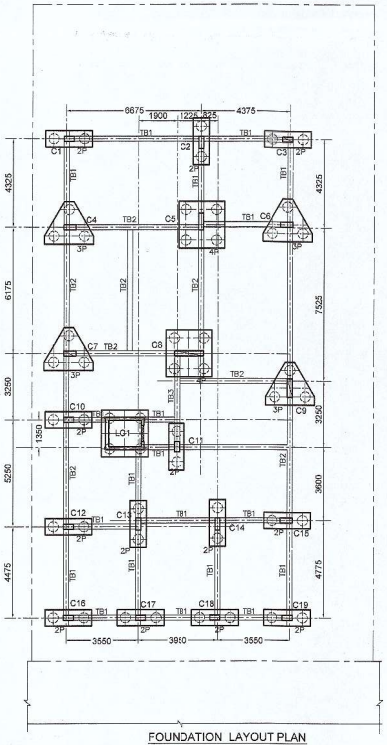


TYPICAL DETAIL OF TIE BEAM.

SCALE-1:25

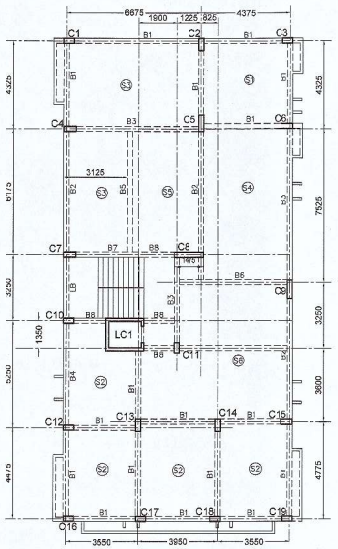


TYPICAL DETAIL OF PILE



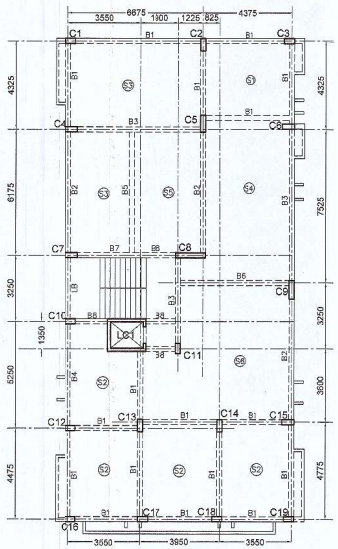
FOUNDATION LAYOUT PLAN

SCALE - 1:100



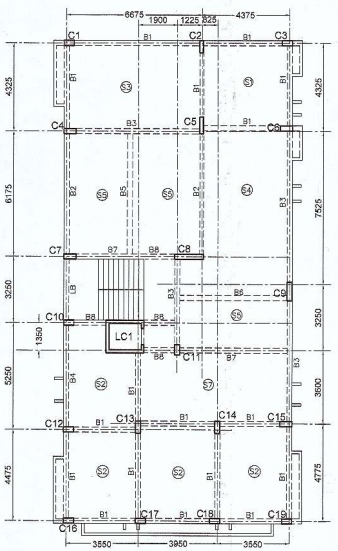
GENERAL ARRANGEMENT PLAN OF FIRST FLOOR

SCALE - 1:100



GENERAL ARRANGEMENT PLAN OF SECOND FLOOR

SCALE - 1:100



GENERAL ARRANGEMENT PLAN OF THIRD FLOOR

SCALE - 1:100

NOTES:-

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT ARCH. DRAWINGS.
2. ALL DIMENSIONS ARE IN MM.
3. GRADE OF CONC.
   a) PILES :- M25
   b) COLUMNS :- M30
   c) FLOOR BEAMS & SLABS :- M25
4. GRADE OF STEEL Fe-415
5. CLEAR COVER (FROM MAIN REINFORCEMENT)
   a) PILES: 63 mm
   b) PILE CAP:75 mm
   c) COLUMN : 40 mm
   d) FLOOR BEAMS :25 mm
   e) FLOOR SLAB : 15 mm
6. LAP LENGTH AS PER I.S: 456: 2000
7. BENTONITE SPECIFICATION AS PER IS 2911(PART-II)
8. CAPACITY OF PILE - 44.0 M.T.

CERTIFICATE OF ARCHITECT :
I SUPRATIM CHOUDHURY, CA/2002/28856 ,CERTIFIED ON THE PLAN IT SELF WITH FULL RESPONSIBILITY THATTHE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C BUILDING RULE - 2009 AS AMENDED FROM TIME TO TIME & THAT THE SITE CONDITION INCLUDING THE WIDTH OF ABUTTING ROAD CONFORM WITH THE PLAN & THAT IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK. THE PLOT IS BOUNDED BY BOUNDARY WALL & THE BOUNDARY MEASUREMENT AGREED WITH THE REG. DEED.

SIGNATURE OF URCHITECT

CERTIFICATE OF STRUCTURAL ENGINEER :
THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC & WIND LOAD AND AS PER THE SOIL INVESTIGATION REPORT SUBMITTED HEREWITH AND THE NATIONAL BUILDING CODE OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECTS.
SUPRATIM CHOUDHURY
CA/2002/28856

SIGNATURE OF STRUCTURAL ENGINEER
SUVRA NARAYAN SIL
B.S.E. - 063

CERTIFICATE OF GEO-TECHNICAL ENGINEER :
THE 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 COMING FROM THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE AND STABLE IN ALL RESPECTS FROM THE GEO-TECHNICAL POINT OF VIEW.

SIGNATURE OF GEO-TECHNICAL ENGINEER
RUPAK KUMAR BANERJEE
GTI/M/(M.C.)

DECLARATION OF OWNERS :
WE DO HERE BY UNDERTAKE WITH FULL RESPONSIBILITY THAT:
1. WE SHALL ENGAGE ARCHITECT & E.S.E. DURING CONSTRUCTION AND FOLLOW THEIR INSTRUCTION AND NOT DEVIATE FROM SANCTION PLAN WITHOUT PRIOR INTIMATION.
2. K.M.C. AUTHORITIES WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURES.
3. IF THE SUBMITTED DOCUMENTS ARE FOUND FAKE THE K.M.C. AUTHORITY MIGHT REVOKE THE SANCTION PLAN
4. D.G. SET & TRANSFORMER SHALL BE INSTALLED AFTER TAKING NECESSARY PERMISSION

SIGNATURE OF OWNER

PROJECT :
PROPOSED G+IV STORIED (HEIGHT: 15.125M) RESIDENTIAL BUILDING PLAN U/S 393(A) AT PRE. NO. - 1, TILAK ROAD, WARD NO. - 85, BOROUGH - VIII, KOLKATA - 700029, P.S. - RABINDRA SAROBAR, P.O. - SARAT BOSE ROAD

NORTH

ARCHITECTS:
NEXUS
SURYANARAYEE PALLY, KOLKATA-700030
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STRUCTURAL COBSULTANT
SUVRA NARAYAN SIL
M.E. CHARTERED ENGINEER
5, RUSSEL STREET
KOLKATA 700 071

SCALE	DATE	REV. DATE	DRAWN BY	CHECKED BY	SHEET NO.
1:25,1:100	21.03.2022.		D.S.	S.N.S.	