

PARTY'S COPY

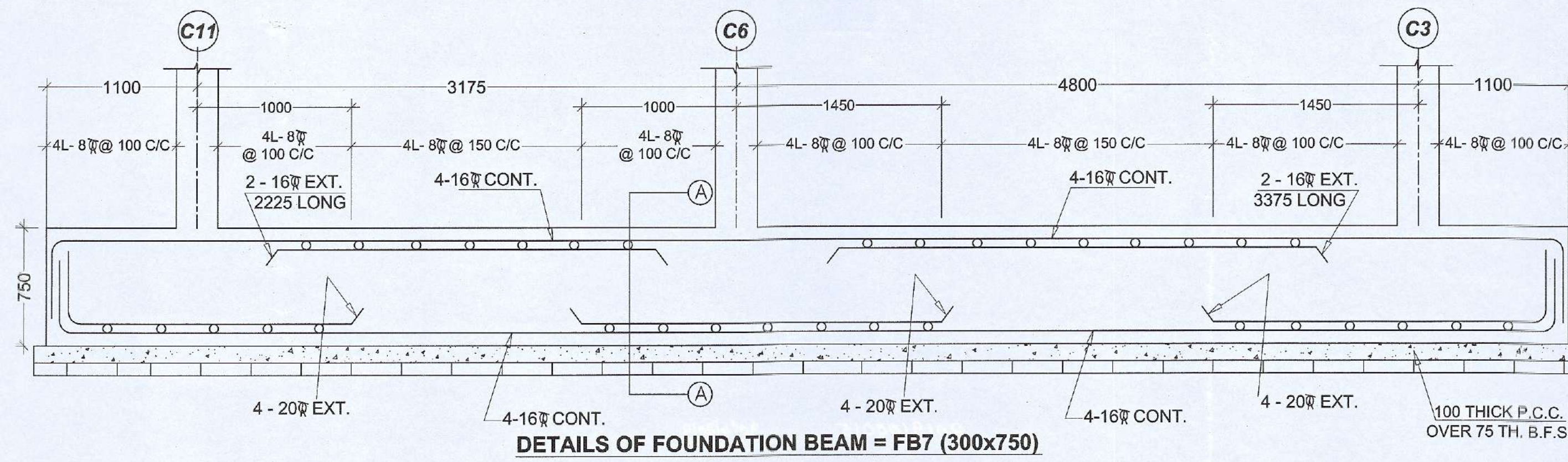
Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 220/2018/15.....Date 26/4/2019 for record of the Kolkata Municipal Corporation without verification No. deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form, necessary steps should be taken for the safety of the adjoining premises public and private properties and safety of human life during construction.



EXECUTIVE ENGINEER/ASST. ENGINEER
BOROUGH NO. 2

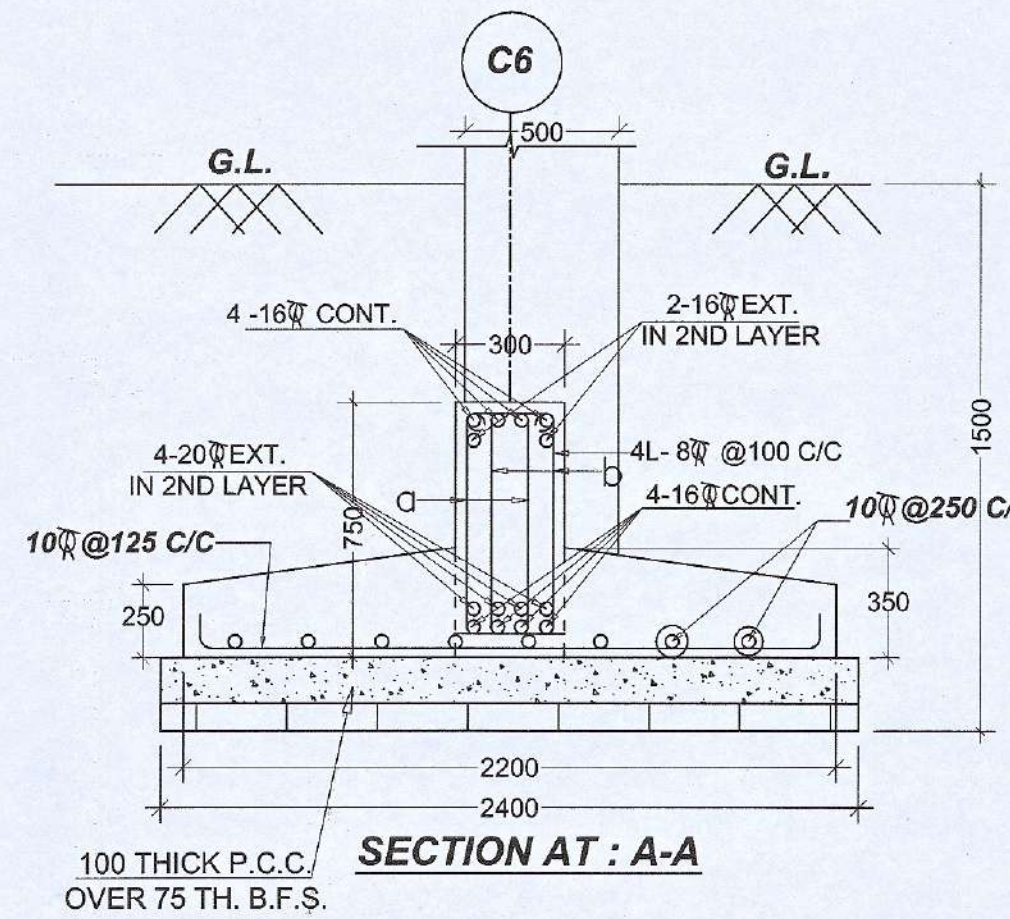
220/2018/15-19
26 APR 2019
Borough-X
KOLKATA MUNICIPAL CORPORATION

SPECIFICATIONS	
1	All dimensions are in mm unless otherwise mentioned.
2	This drawing shall be read in conjunction with relevant architectural drawing.
3	Depth of foundation = 1.50 m.
4	Grade of :-
5	Clear cover to reinforcement :-
	a) Steel - Fe-415/500 TMT O.U.M.
	b) Cement - Equivalent to 53.
	c) Concrete - M20 / M25 O.U.M.
	a) Tie beam = 25 mm.
	b) Column = 40 mm.
	c) Floor beam & slab = 25 mm.
	d) Slab = 15 mm (top & both) = 25 mm (end).

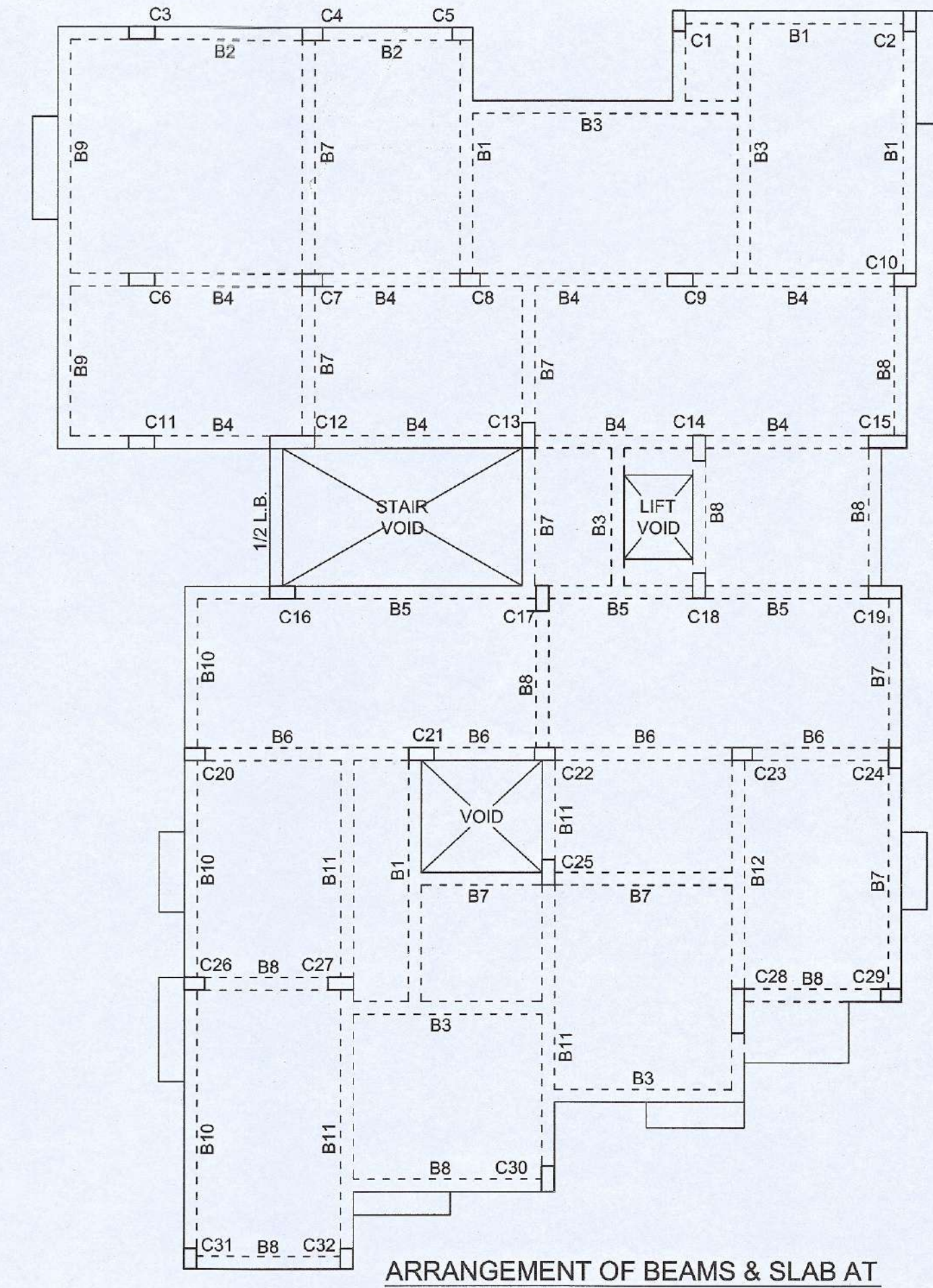
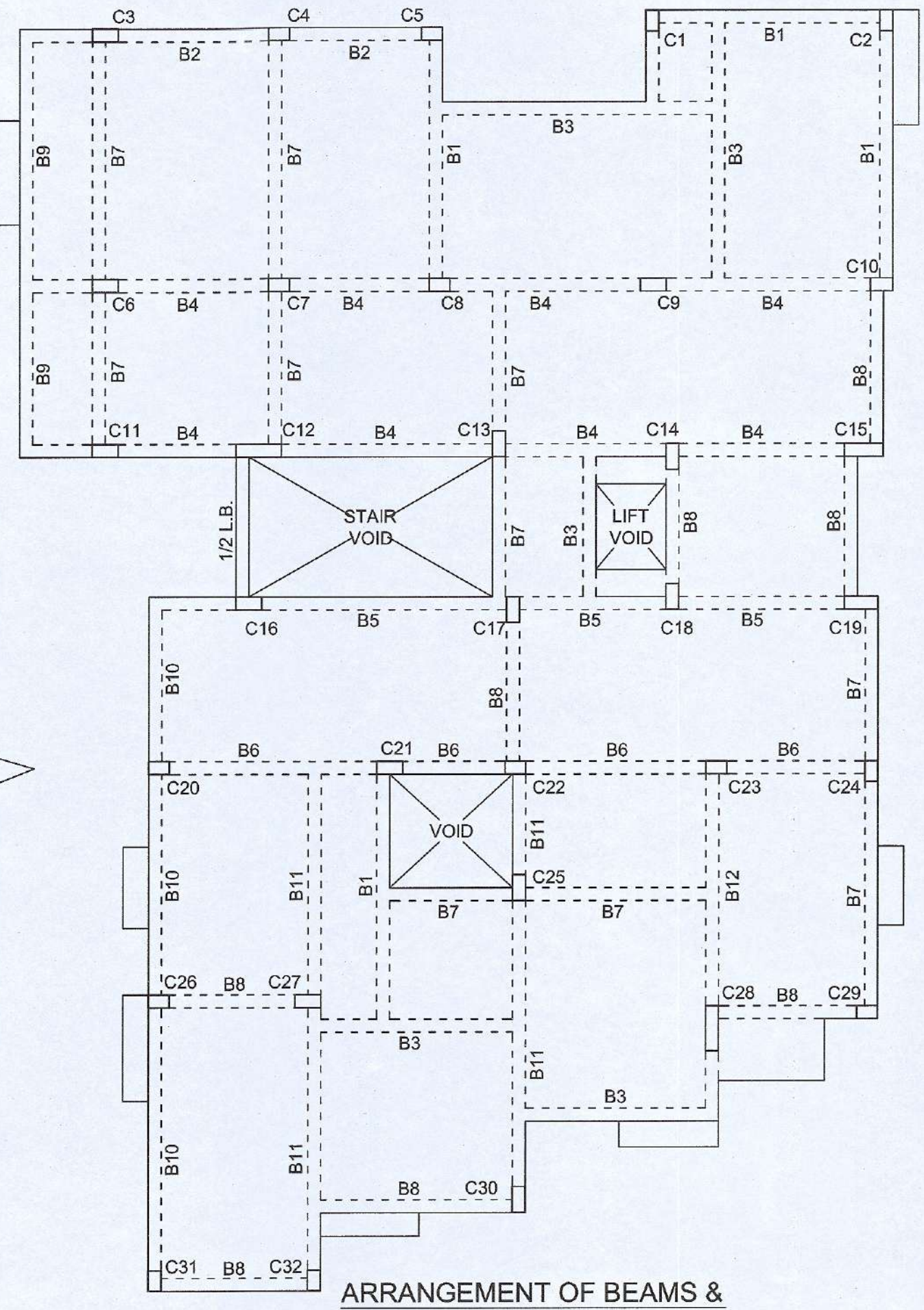
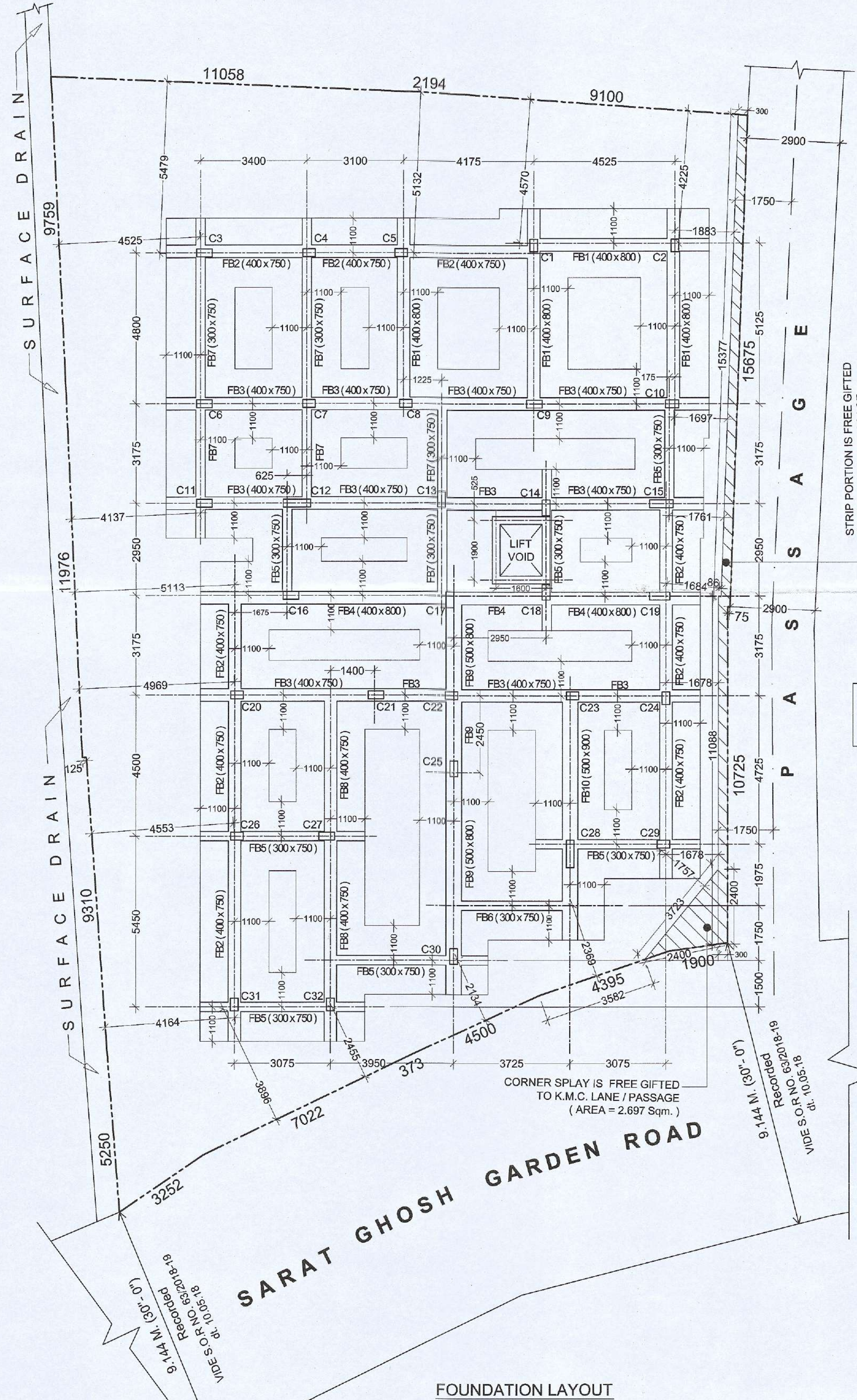


BEAM MKD.	COLN. MKD.	WIDTH OF FOOTING	SCHEDULE OF STRIP FOOTING						DETAILS OF FOOTING			
			SIZE	SUPP.		SPAN		STIRRUPS		DEPTH	SHORT SPAN	LONG SPAN
				TOP	BOTT.	TOP	BOTT.	SUPP.	SPAN			
FB1	C1-C2, C2-C10	2200	400 x 800	5-20 ϕ	5-20 ϕ	5-20 ϕ	5-20 ϕ	4L-8 ϕ 125 C/C	4L-8 ϕ 175 C/C	350	10 ϕ @ 125 C/C	10 ϕ @ 250 C/C
FB2	C3-C4-C5-C1, C31-C26-C20-FB4, C29-C24-C19-C15	2200	400 x 750	4-20 ϕ	4-16 ϕ	4-16 ϕ	4-16 ϕ	4L-8 ϕ 100 C/C	4L-8 ϕ 150 C/C	350	10 ϕ @ 125 C/C	10 ϕ @ 250 C/C
FB3	C6-C7-C8-C9-C10, C11-C12-C13-C14-C15, C20-C21-C22-C23-C24	2200	400 x 750	5-16 ϕ	5-16 ϕ	5-16 ϕ	5-16 ϕ	4L-8 ϕ 100 C/C	4L-8 ϕ 150 C/C	350	10 ϕ @ 125 C/C	10 ϕ @ 250 C/C
FB4	C16-C17-C18-C19	2200	400 x 800	5-16 ϕ	5-20 ϕ	5-16 ϕ	5-20 ϕ	4L-8 ϕ 100 C/C	4L-8 ϕ 150 C/C	350	10 ϕ @ 125 C/C	10 ϕ @ 250 C/C
FB5	C10-C15, C12-C16, C14-C18, C28-C27, C28-C29, FB8-C30, C31-C32	2200	300 x 750	4-16 ϕ	4-16 ϕ	4-16 ϕ	4-16 ϕ	4L-8 ϕ 150 C/C	4L-8 ϕ 200 C/C	350	10 ϕ @ 125 C/C	10 ϕ @ 250 C/C
FB6	FB9-FB10	2200	300 x 750	4-16 ϕ	4-16 ϕ	4-16 ϕ	4-16 ϕ	4L-8 ϕ 200 C/C	4L-8 ϕ 200 C/C	350	10 ϕ @ 125 C/C	10 ϕ @ 250 C/C
FB7	C3-C8-C11, C4-C7-C12, FB3-C13-FB4,	2200	300 x 750	4-16 ϕ	4-16 ϕ	4-16 ϕ	4-16 ϕ	4L-8 ϕ 100 C/C	4L-8 ϕ 150 C/C	350	10 ϕ @ 125 C/C	10 ϕ @ 250 C/C
FB8	FB3-C27-C32	2200	400 x 750	5-20 ϕ	5-20 ϕ	5-20 ϕ	5-20 ϕ	4L-8 ϕ 100 C/C	4L-8 ϕ 150 C/C	350	10 ϕ @ 125 C/C	10 ϕ @ 250 C/C
FB9	C17-C22-C25-C30	2200	500 x 800	6-20 ϕ	6-20 ϕ	6-20 ϕ	6-20 ϕ	6L-8 ϕ 125 C/C	6L-8 ϕ 175 C/C	350	10 ϕ @ 125 C/C	10 ϕ @ 250 C/C
FB10	C23-C28	2200	500 x 900	6-16 ϕ	6-20 ϕ	6-16 ϕ	6-20 ϕ	6L-8 ϕ 150 C/C	6L-8 ϕ 200 C/C	350	10 ϕ @ 125 C/C	10 ϕ @ 250 C/C

MKD	SIZE	SCHEDULE OF BEAM				STIRRUPS	
		SUPPORT		SPAN		SUPP.	SPAN
		TOP	BOTT.	TOP	BOTT.		
B1	250 X 500	5-20 ϕ	2-16 ϕ	2-20 ϕ	2-16 ϕ	2L-8 ϕ 150 C/C	2L-8 ϕ 200 C/C
B2	250 X 500	5-20 ϕ	2-16 ϕ	2-20 ϕ	2-16 ϕ	2L-8 ϕ 150 C/C	2L-8 ϕ 200 C/C
B3	250 X 500	2-16 ϕ	2-16 ϕ	2-16 ϕ	5-16 ϕ	2L-8 ϕ 200 C/C	2L-8 ϕ 200 C/C
B4	250 X 500	3-20 ϕ	2-16 ϕ	2-20 ϕ	2-16 ϕ	2L-8 ϕ 150 C/C	2L-8 ϕ 200 C/C
B5	250 X 500	3-20 ϕ	2-16 ϕ	2-20 ϕ	2-16 ϕ	2L-8 ϕ 150 C/C	2L-8 ϕ 200 C/C
B6	250 X 500	6-16 ϕ	2-16 ϕ	2-16 ϕ	2-16 ϕ	2L-8 ϕ 150 C/C	2L-8 ϕ 200 C/C
B7	250 X 500	3-20 ϕ	2-16 ϕ	2-20 ϕ	2-16 ϕ	2L-8 ϕ 150 C/C	2L-8 ϕ 200 C/C
B8	250 X 500	4-16 ϕ	2-16 ϕ	2-16 ϕ	2-16 ϕ	2L-8 ϕ 150 C/C	2L-8 ϕ 200 C/C
B9	250 X 500	3-16 ϕ	2-16 ϕ	2-16 ϕ	3-16 ϕ	2L-8 ϕ 150 C/C	2L-8 ϕ 200 C/C
B10	250 X 500	6-16 ϕ	2-16 ϕ	2-16 ϕ	2-16 ϕ	2L-8 ϕ 150 C/C	2L-8 ϕ 200 C/C
B11	250 X 500	6-20 ϕ	2-16 ϕ	2-20 ϕ	3-16 ϕ	2L-8 ϕ 125 C/C	2L-8 ϕ 175 C/C
B12	250 X 500	5-20 ϕ	2-16 ϕ	2-20 ϕ	2-16 ϕ	2L-8 ϕ 150 C/C	2L-8 ϕ 200 C/C



SCEDULE OF COLUMN				
COLUMN MKD.	FOUND. to 2ND FL.	2ND. FL. to ROOF	LINKS	
SIZE	REINF.	SIZE	REINF.	
C19	250 X 650	12-16 ϕ	250 X 650	6-16 ϕ 8 ϕ @ 190 C/C
C15	250 X 750	16-16 ϕ	250 X 750	8-16 ϕ 8 ϕ @ 190 C/C
C3,C11	250 X 500	10-16 ϕ	250 X 500	4-16 ϕ 8 ϕ @ 190 C/C
C2,C4,C5,C7,C20, C24,C29,C31,C32	250 X 400	8-16 ϕ	250 X 400	4-16 ϕ 8 ϕ @ 190 C/C
C10	250 X 425	8-16 ϕ	250 X 425	4-16 ϕ 8 ϕ @ 190 C/C
C1,C8,C22, C23,C26	250 X 400	8-20 ϕ	250 X 400	8-16 ϕ 8 ϕ @ 190 C/C
C6,C30	250 X 500	10-16 ϕ	250 X 500	4-16 ϕ 8 ϕ @ 190 C/C
C12,C28	250 X 875	18-16 ϕ	250 X 875	8-16 ϕ 10-12 ϕ
C9,C13,C14,C16,C17, C18,C21,C25,C27	250 X 500	10-20 ϕ	250 X 500	8 ϕ @ 190 C/C



WE DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN AS PER PROVISION OF K.M.C. BUILDING RULES 2009 AS AMENDED FROM TIME TO TIME. THE MEASUREMENT OF SITE AGREES WITH THE BOUNDARY DECLARATION AND WIDTH OF THE COMMON PASSAGE IS CONFIRMED WITH THE PLAN. THE SITE IS A BUILDABLE SITE AND NOT A FILLED UP TANK. PLOT WITH EXISTING STRUCTURE IS BOUNDED BY BOUNDARY WALL.

Jayati Paul
 M/s DEEPAJ CONSTRUCTION PVT. LTD.
 represented by its Director SMT. JAYATI PAUL
 as Constituted Attorney on behalf of SMT. NIBEDITA GHOSH & SMT. NABANITA GHOSH

MADHAB CH. PAUL, L.B.S. No.- 526 / (Class-I) SIGNATURE OF L.B.S.

THE STRUCTURAL DESIGNS AND DRAWINGS OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

SOIL TESTING HAS BEEN DONE BY DR. S. K. CHAKRABORTY, LMIGS (LM-12) GEOTECHNICAL CONSULTANT, OF J. B. ASSOCIATES OF (ADDRESS) 26B, AHIRI PUKUR ROAD, KOLKATA - 700 019 . THE RECOMMENDATIONS OF SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATIONS.

MADHAB CH. PAUL, E.S.E. NO.- 229 / II. SIGNATURE OF E.S.E.

UNDERSIGNED HAS INSPECTED THE SITE & CARRIED OUT THE SOIL INVESTIGATION THEREIN. IT IS CERTIFIED THAT EXISTING SOIL OF THE SITE IS ABLE TO CARRY OUT THE LOAD FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM THEREIN IS SAFE & STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

Dr. S. K. Chakraborty
 M.E. (Soils, Kolkata) Ph.D. (Foundation Engg.)
 LMIGS (LM-12), G.T.E.-1874 OF K.M.C.
 Geotechnical Consultant

DR. S. K. CHAKRABORTY / K.M.C. G.T.E. NO.- 16 (Class - I)
 SIG. OF GEO-TECHNICAL ENGINEER.

PROPOSED FIVE (G + IV) STORIED (Height of the Building is 15.450 m.)
RESIDENTIAL BUILDING U / S 393A OF KMC ACT 1980 & K.M.C. Building Rules 2009, AT PRE. No. - 8, SARAT GHOSH GARDEN ROAD, P. S. - KASBA, KOLKATA - 700 031, WARD NO. - 91, BOROUGH - X.

*** DETAILS OF STRUCTURAL DRAWING ***

ARCHITECTS & ENGINEERS
 Deepa Construction Pvt. Ltd.
 48/1A, Dr. Suresh Sarkar Road, Kolkata - 700 014.
 E-mail : dpc@deepacon.com

"DRAWN BY" MAINAK
 "Checked BY" M.C. Paul
 "Date" 09.04.2019.