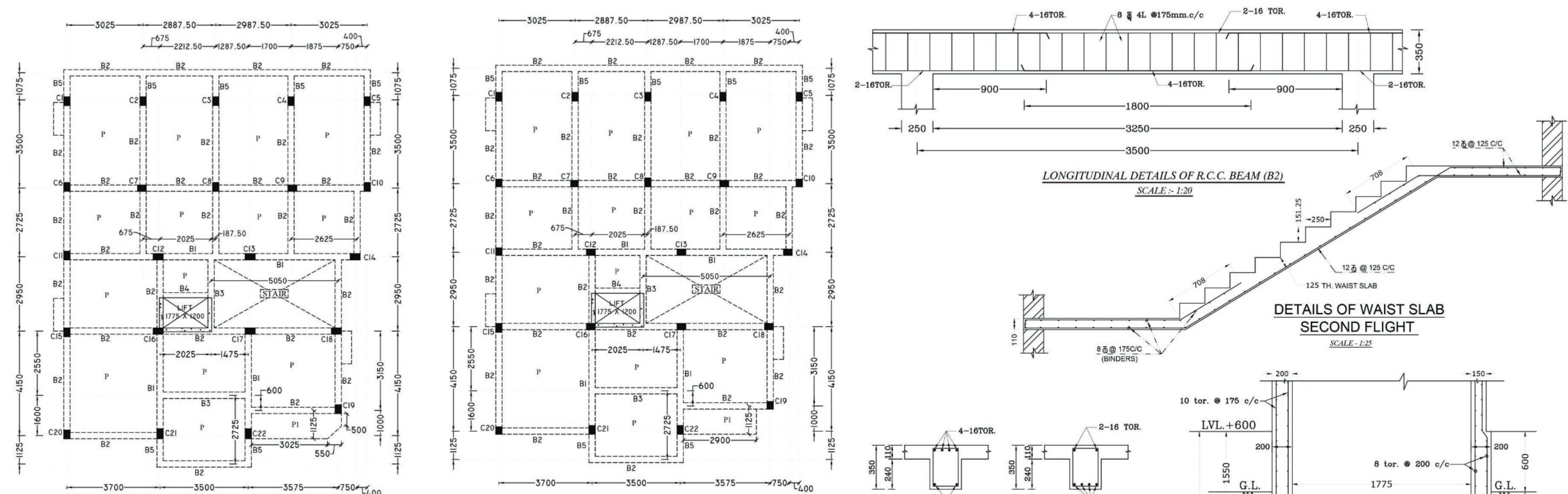
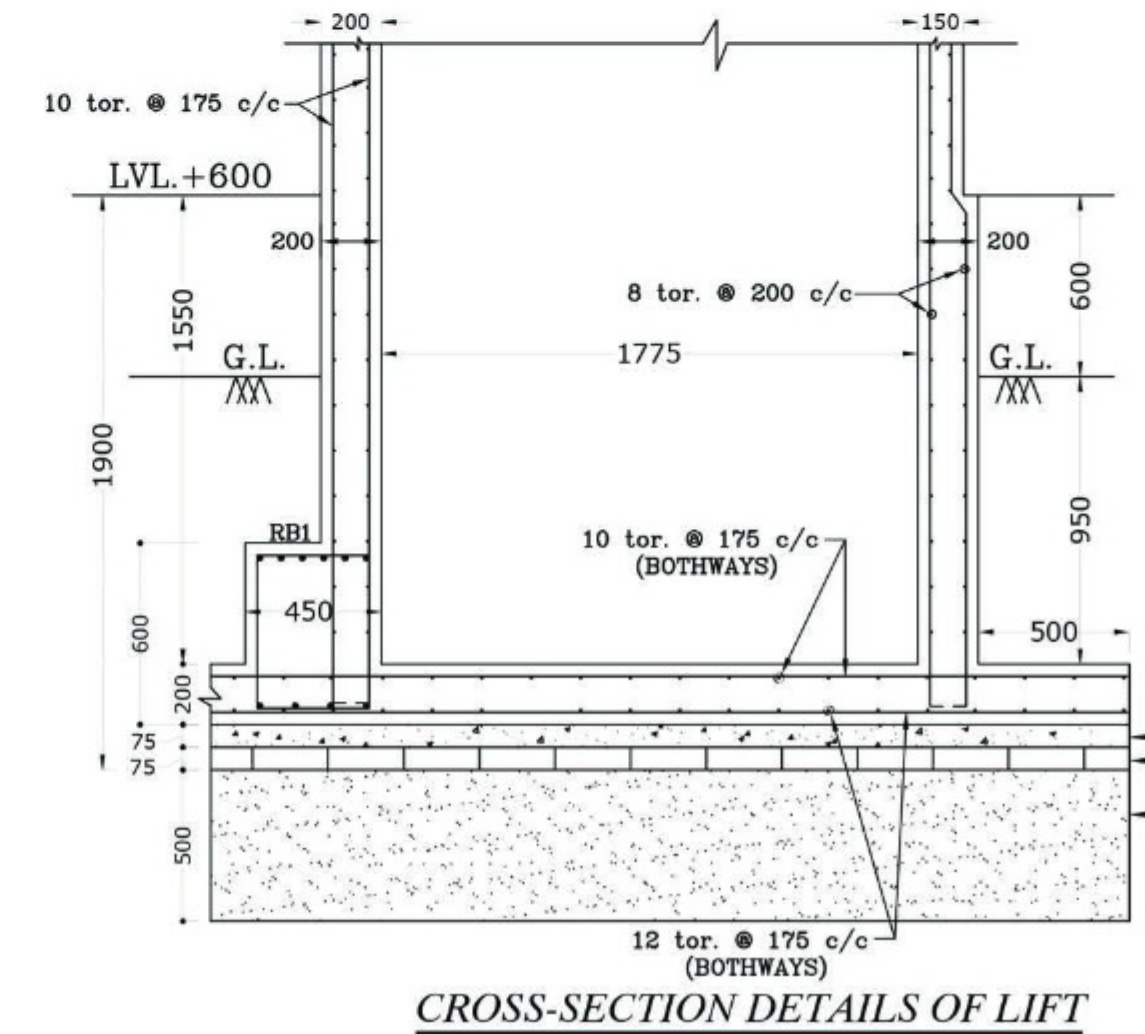




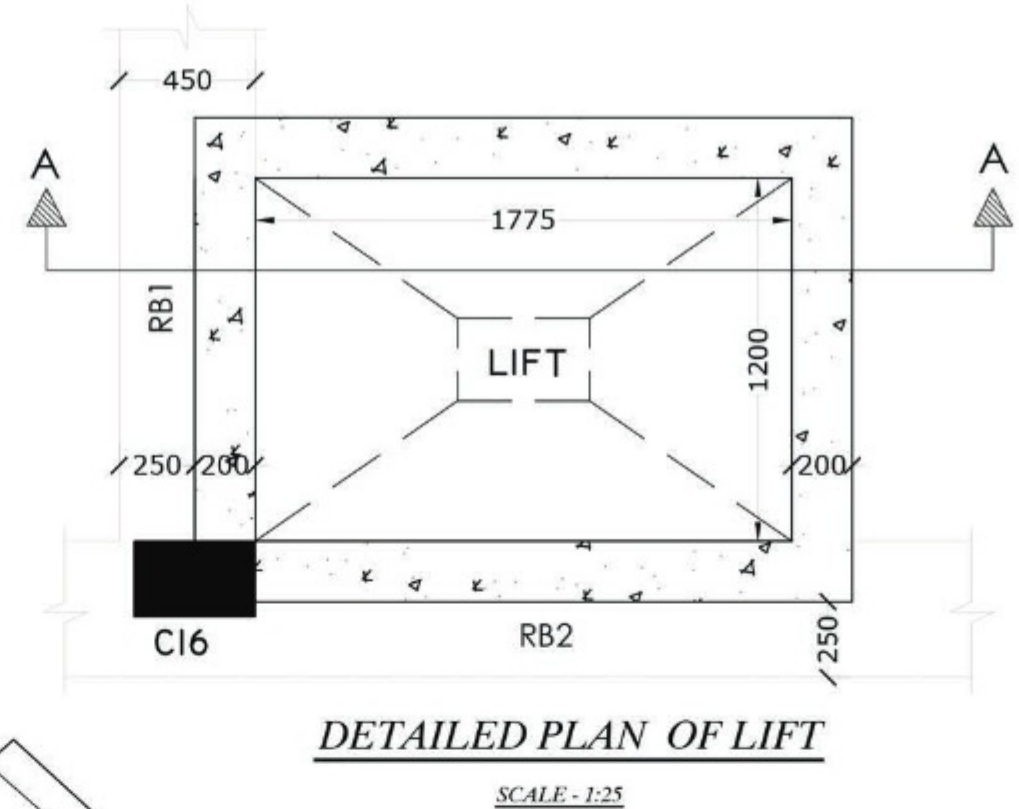
GENERAL ARRANGEMENT
FOR BEAM AND SLAB AT 1ST FLOOR LEVEL
SCALE - 1:100

GENERAL ARRANGEMENT FOR BEAM AND SLAB
AT 2ND, 3RD, 4TH FLOOR LEVEL
SCALE - 1:100

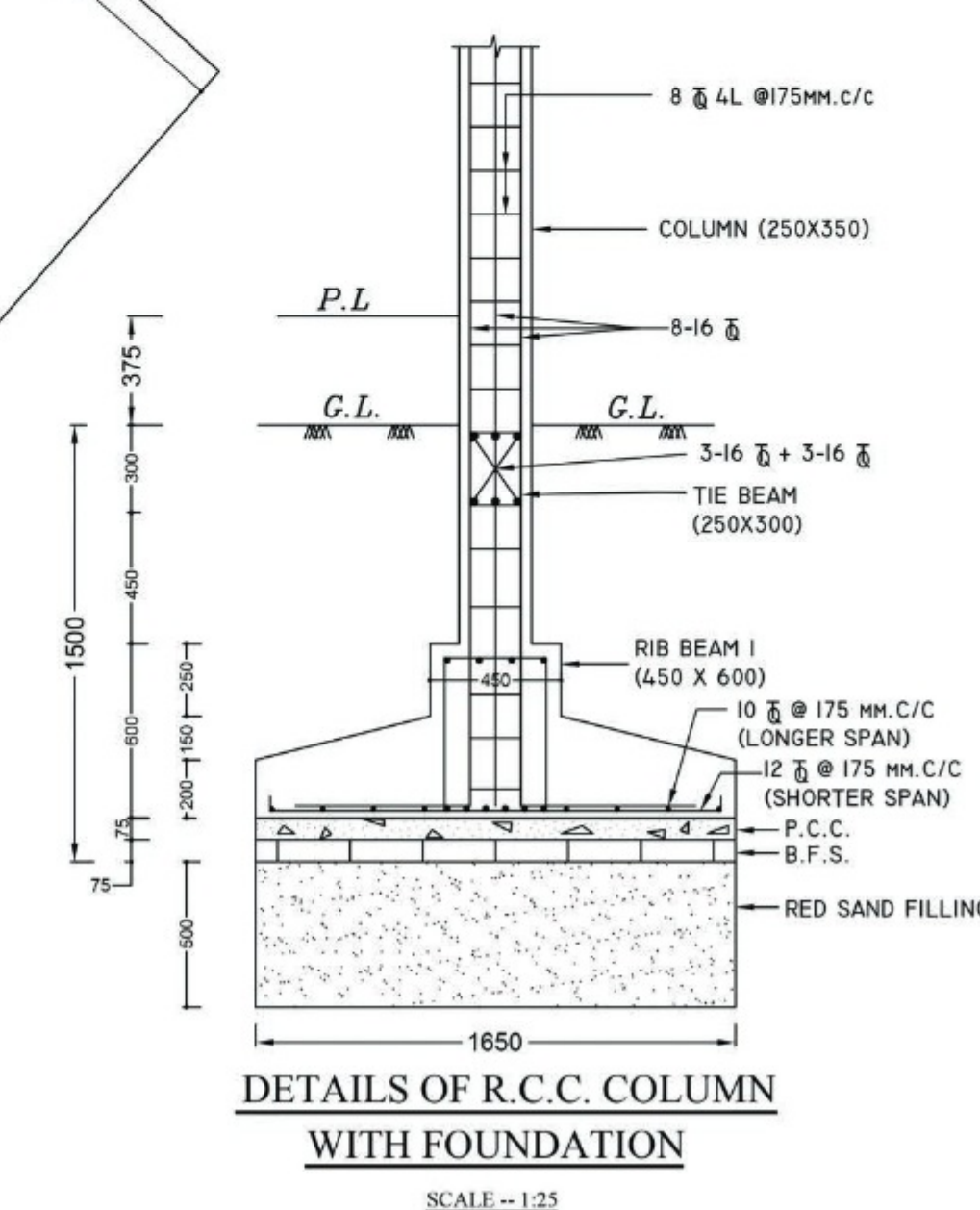
CROSS-SECTION DETAILS OF R.C.C. BEAM (B2)
SCALE - 1:20



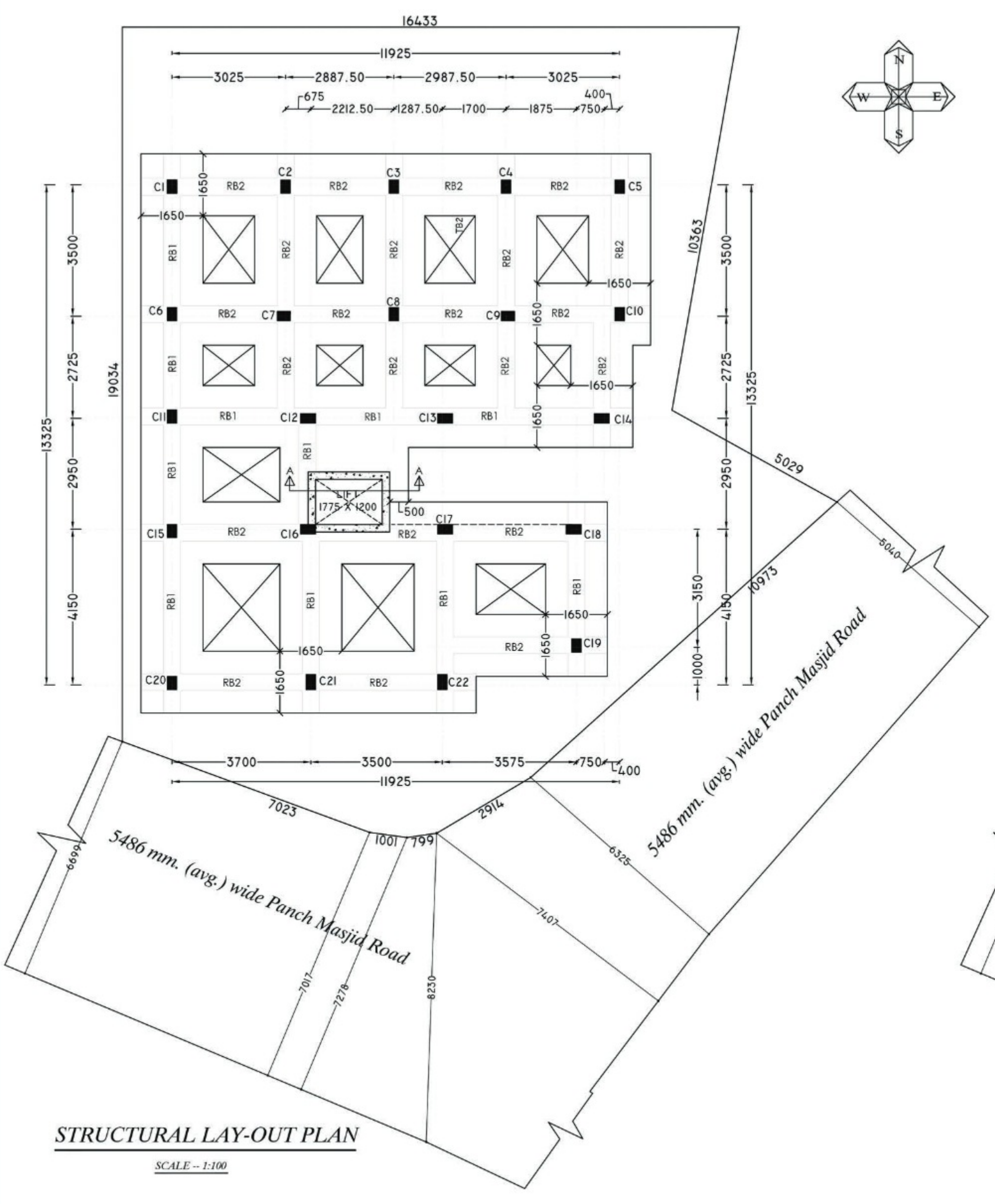
CROSS-SECTION DETAILS OF LIFT
SECTION A-A
SCALE - 1:25



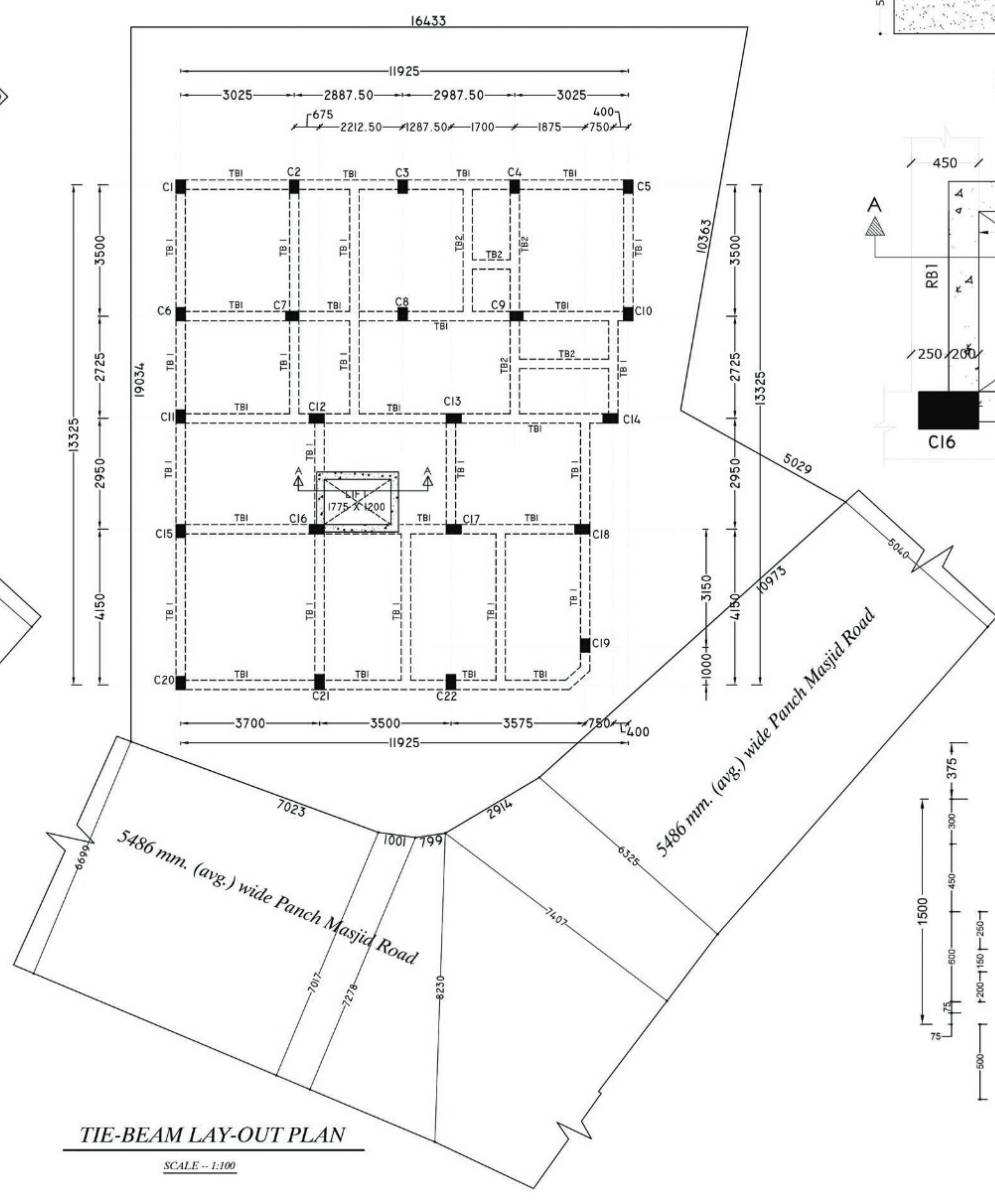
DETAILED PLAN OF LIFT
SCALE - 1:25



DETAILS OF R.C.C. COLUMN
WITH FOUNDATION
SCALE - 1:25



STRUCTURAL LAY-OUT PLAN
SCALE - 1:100



TIE-BEAM LAY-OUT PLAN
SCALE - 1:100

STRUCTURAL PLAN OF PROPOSED G+III STORIED RESIDENTIAL BUILDING FOR EJAZ HUSSAIN AT PREMISES NO - 31A, PANCH MASJID ROAD, WARD NO. - 125, BOROUGH NO. - XVI, UNDER KOLKATA MUNICIPAL CORPORATION.

SCHEDULE OF R.C.C. BEAMS :-									
BEAM MKD.	SIZE (MMxMM)	REINF. AT SUPPORT			REINF. AT MID SPAN				REMARKS
		TOP	BOT	STRPS	TOP	BOT	STRPS		
B1	250x400	3-16 100	2-16 150	8 2L 175 C/C	2-16 150	2-16 150	8 2L 175 C/C		FLOOR BEAM
B2	250x350	2-16 100	2-16 150	8 2L 175 C/C	2-16 150	2-16 150	8 2L 175 C/C		FLOOR BEAM
B3	250x350	2-12 100	2-16 150	8 2L 175 C/C	2-12 150	2-16 150	8 2L 175 C/C		FLOOR BEAM
B4	200x250	2-12 100	1-12 150	8 2L 175 C/C	2-12 150	2-16 150	8 2L 175 C/C		FLOOR BEAM
B5	250x350	2-16 100	2-16 150	8 2L 175 C/C	---	---	---		CANTILEVER BEAM

SCHEDULE OF R.C.C. SLABS :-									
SLAB MKD.	THICK. (mm)	AT SHORTER DIRECTION				AT LONGER DIRECTION			
		SUPPORT		SPAN		SUPPORT		SPAN	
P	110	8 2L 150 C/C	8 2L 300 C/C	---	8 2L 150 C/C	8 2L 150 C/C	8 2L 300 C/C	---	8 2L 150 C/C
PI	110	8 2L 150 C/C	8 2L 300 C/C	---	---	8 2L 150 C/C	8 2L 300 C/C	---	---

SCHEDULE OF R.C.C. COL. FOOTINGS :-						
FDN. MKD.	COL. MKD.	PEDESTAL SIZE	FOOTING SIZE	FOOTING DEPTH	FOUNDATION DEPTH	REINFORCEMENT
F1	C1 TO C22	---	152.228 SQ.M	200 TO 350	1500	12 2L 175 C/C (SHORTER SPAN) 10 2L 175 C/C (LONGER SPAN)

SCHEDULE OF R.C.C. RIB BEAMS						
BEAM MKD.	SIZE	AT SUPPORT		AT MID SPAN		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
RB 1	450x900	4-16 100	2-16 150	4-16 100	2-12 150	8 2L 4L 175mm. C/C
RB 2	450x900	3-16 100	3-16 150	3-16 100	2-12 150	8 2L 4L 175mm. C/C

SCHEDULE OF R.C.C. COLUMNS :-					
COL. MKD.	SIZE & REINFORCEMENT				LINKS
	Ground Floor	First Floor	Second Floor	Third Floor	
C12,C13,C14,C16, C17,C18,C21,C22	250 x 400 10-16 100	250 x 400 10-16 100	250 x 350 8-16 100	250 x 350 8-16 100	8 2L 4L 175mm. C/C
C1,C2,C3,C4,C5, C8,C9,C15	250 x 350 8-16 100	250 x 350 8-16 100	250 x 350 8-16 100	250 x 300 6-16 100	8 2L 4L 175mm. C/C
C6,C7,C10,C11, C19,C20	250 x 350 8-16 100	250 x 350 8-16 100	250 x 300 4-16 100 + 2-12 150	250 x 300 4-16 100 + 2-12 150	8 2L 4L 175mm. C/C

SCHEDULE OF R.C.C. TIE BEAMS							
BEAM MKD.	SIZE (MMxMM)	REINF. AT SUPPORT			REINF. AT SPAN		
		TOP	BOT	STRPS	TOP	BOT	STRPS
TB1	250x350	3-16 100	3-16 150	8 2L 175 C/C	3-16 100	3-16 150	8 2L 175 C/C
TB2	250x250	2-12 100	1-12 150	8 2L 175 C/C	2-12 100	2-16 150	8 2L 175 C/C

STRUCTURAL ENGINEER DECLARATION

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA & I.S. CODE AND ALSO FOLLOW THE SOIL TEST RESULT AND CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECT. SOIL TEST DONE BY CALCUTTA TEST CENTRE.

PRANAB KUMAR DAS B.E.(CIVIL)
K.M.C. E.S.E.No.-1/131
Pranab Kumar Das
E.S.E.-1/131
Signature of Structural Engineer

ARCHITECT DECLARATION

I HEREBY UNDER TAKE MY FULL RESPONSIBILITY TO CERTIFY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES 2009 AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITIONS I/C THE WIDTH OF THE ADJUTING PANCH MASJID ROAD CONFORM WITH THE PLAN, WHICH HAS BEEN MEASURED AND VERIFIED BY ME. IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK. THE LAND IS DEMARCATED BY BOUNDARY WALL.

AKASH MONDAL
REGISTERED WITH COUNCIL OF ARCHITECTURE
REGD. NO. CA/19/111545
AR. Akash Mondal
Regd. with Council of Architecture
Reg. no.: CA/19/111545
Signature of Architect

GEO-TECH. ENGINEER DECLARATION			
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.			
Gopal Chandra Das B. E (Civ), CE, M.Tech, MGS - LM4111 (Soil Mech & Foundation Engg. IT Kgp.) Regn. No. - GTER/NKDA/10/00046 KMC Empanelled No. 177/j. Class-I		Gopal Chandra Das G.T. - 1/17 Signature of Geo- Technical Engineer	
TITLE: SANCTION DRAWING		N	
DRG. NO.	ADS/0116/KMC/STR-01	JOB NO.	ADS/0116
SCALE	1:100	DRAWN BY	SAYONI
DATE	28/09/2024	CHECKED BY	A.MONDAL
ISSUE STATUS		SANCTION	

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