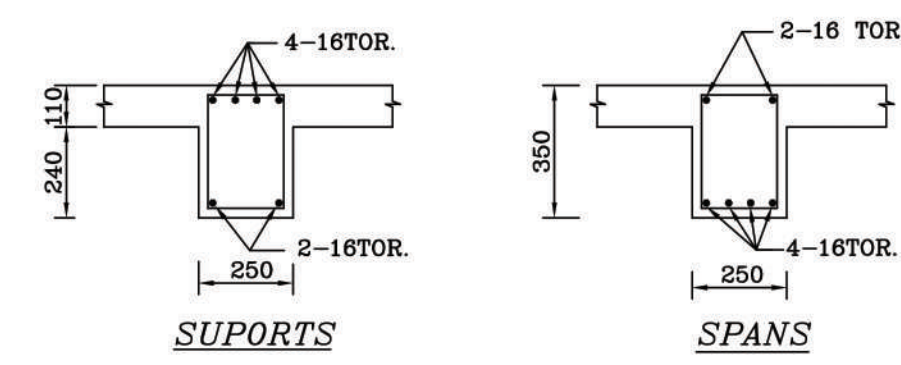
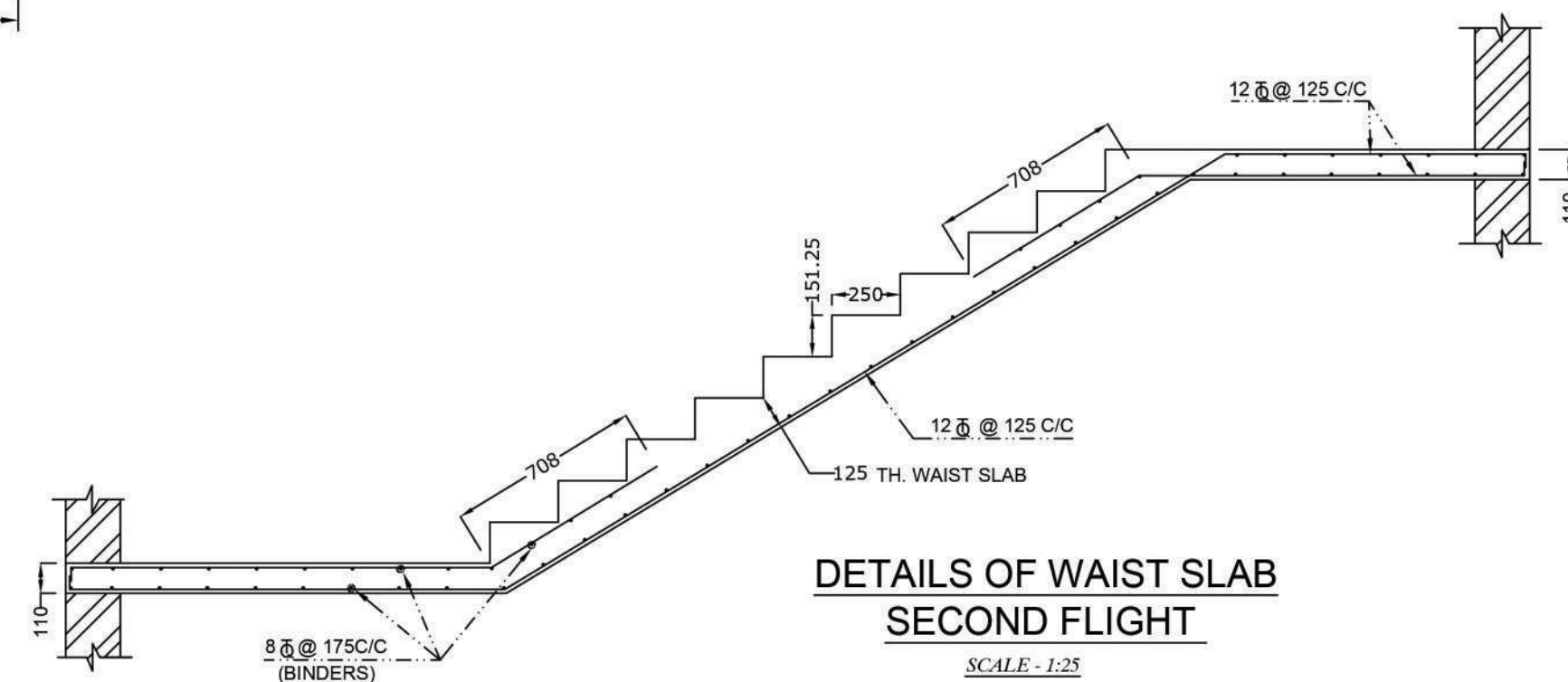


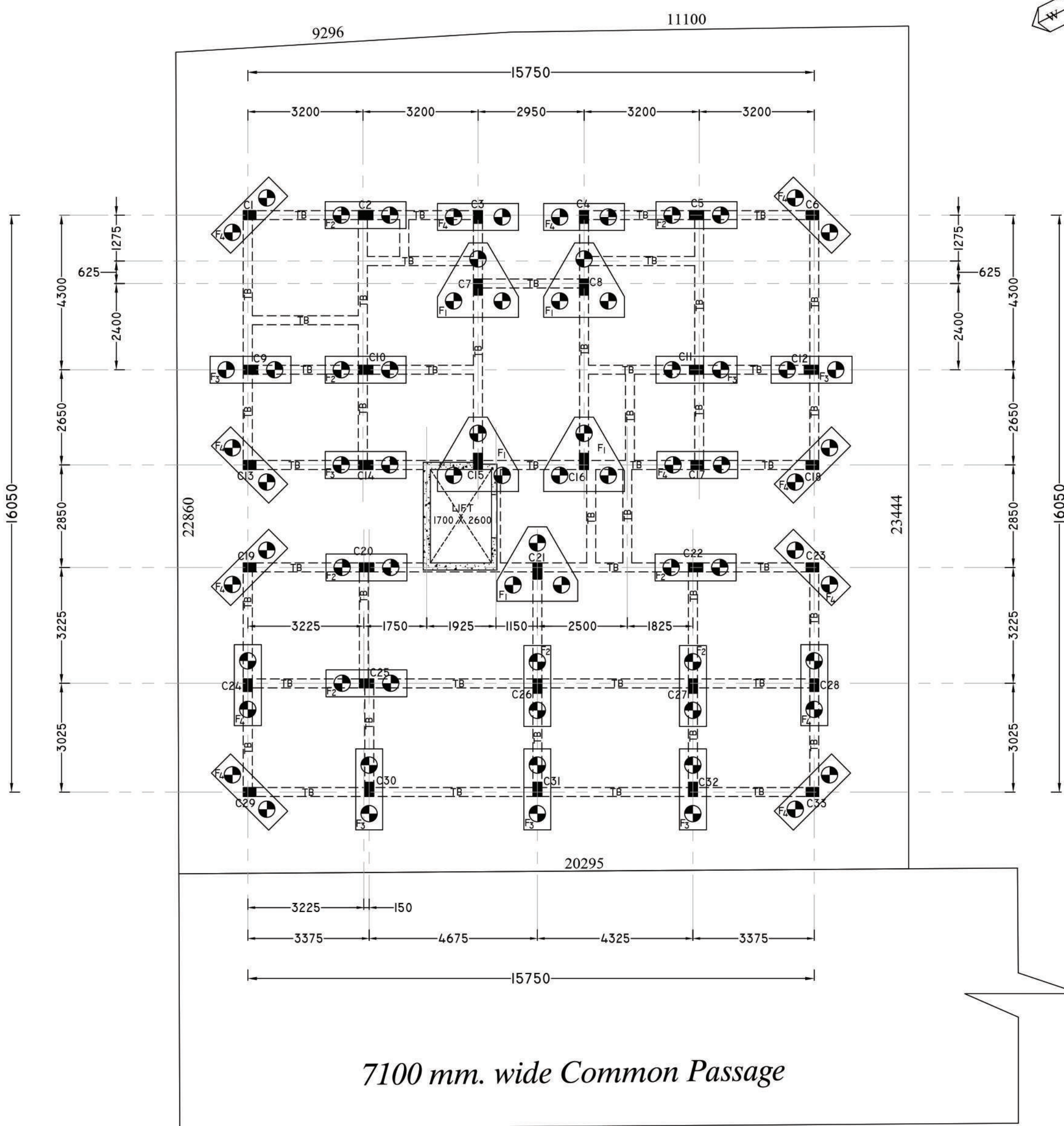
LONGITUDINAL DETAILS OF R.C.C. BEAM (B2)
SCALE:- 1:20



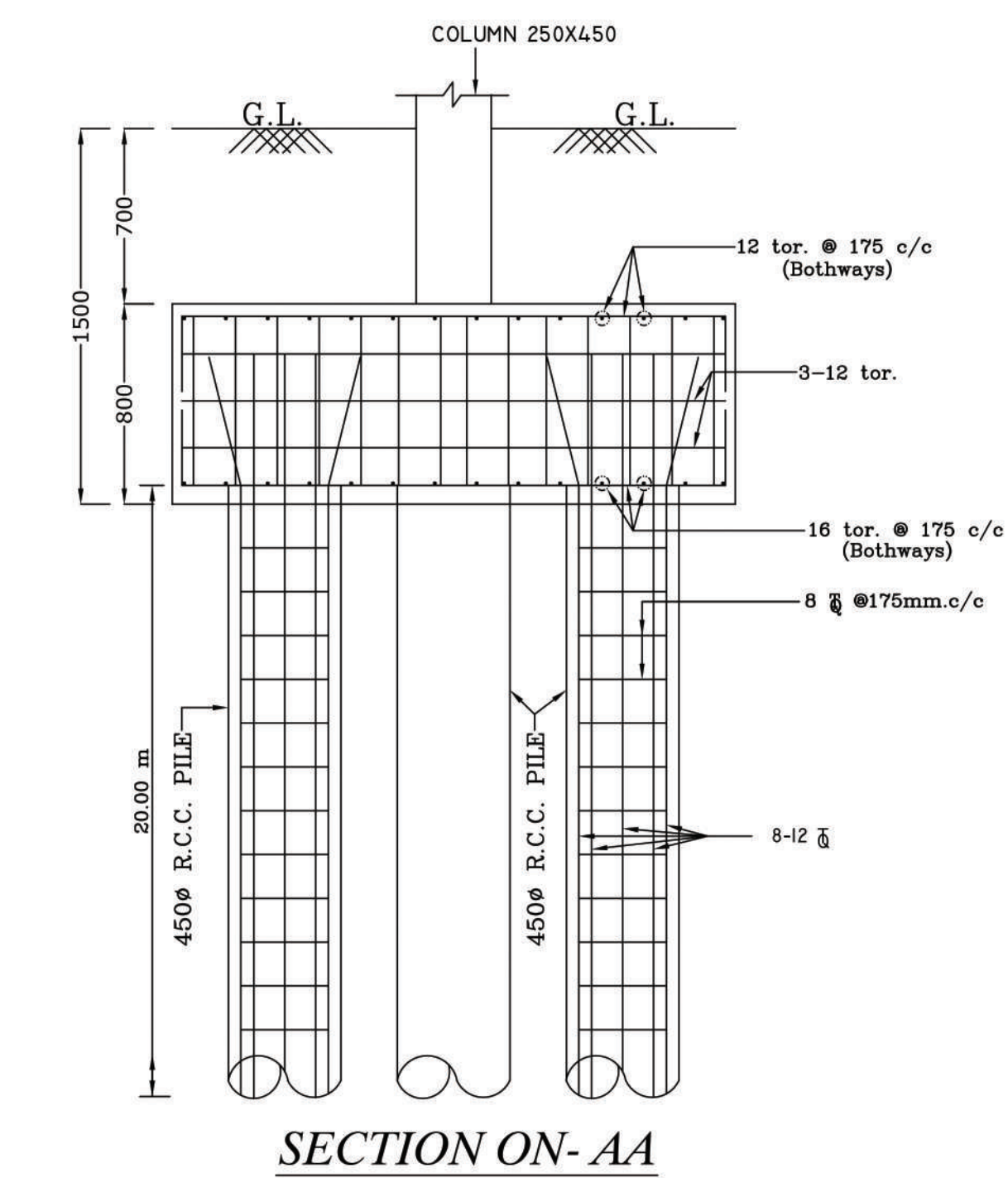
CROSS-SECTION DETAILS OF R.C.C. BEAM (B2)
SCALE:- 1:20



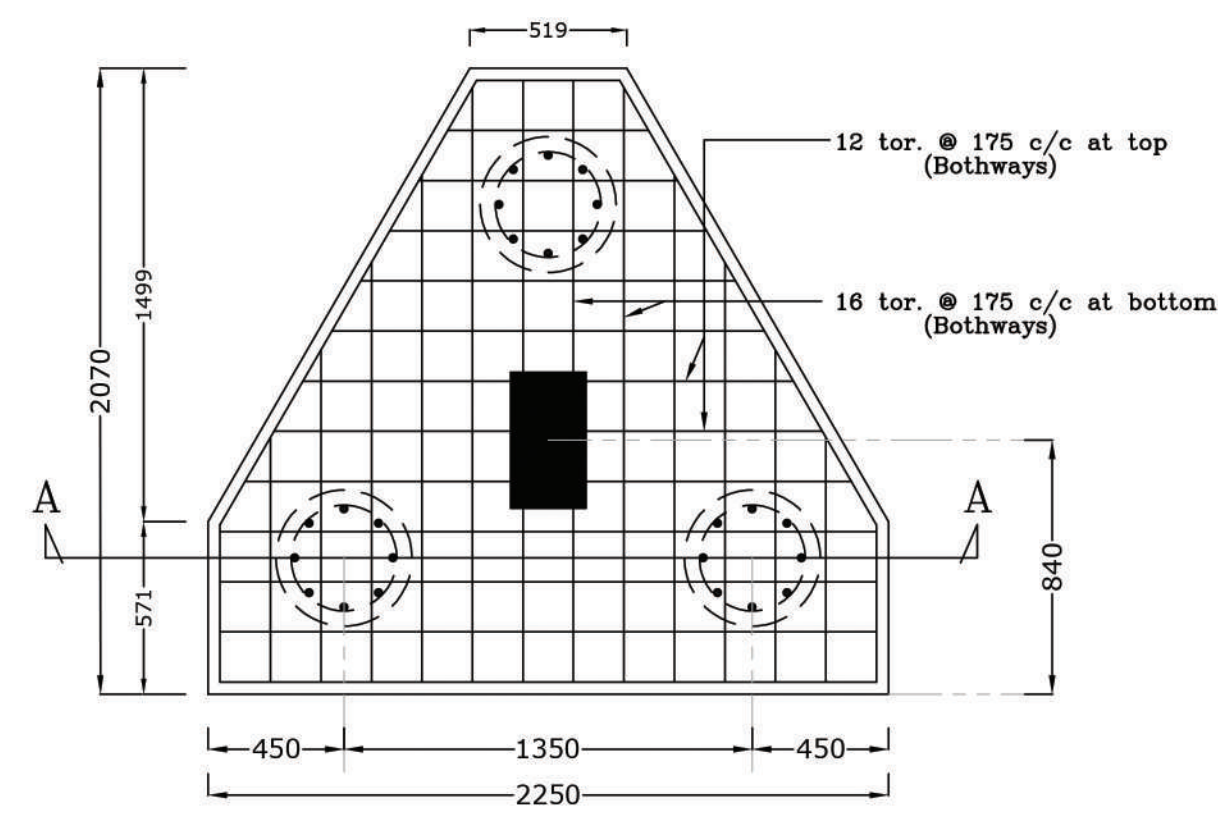
DETAILS OF WAIST SLAB
SECOND FLIGHT
SCALE:- 1:25



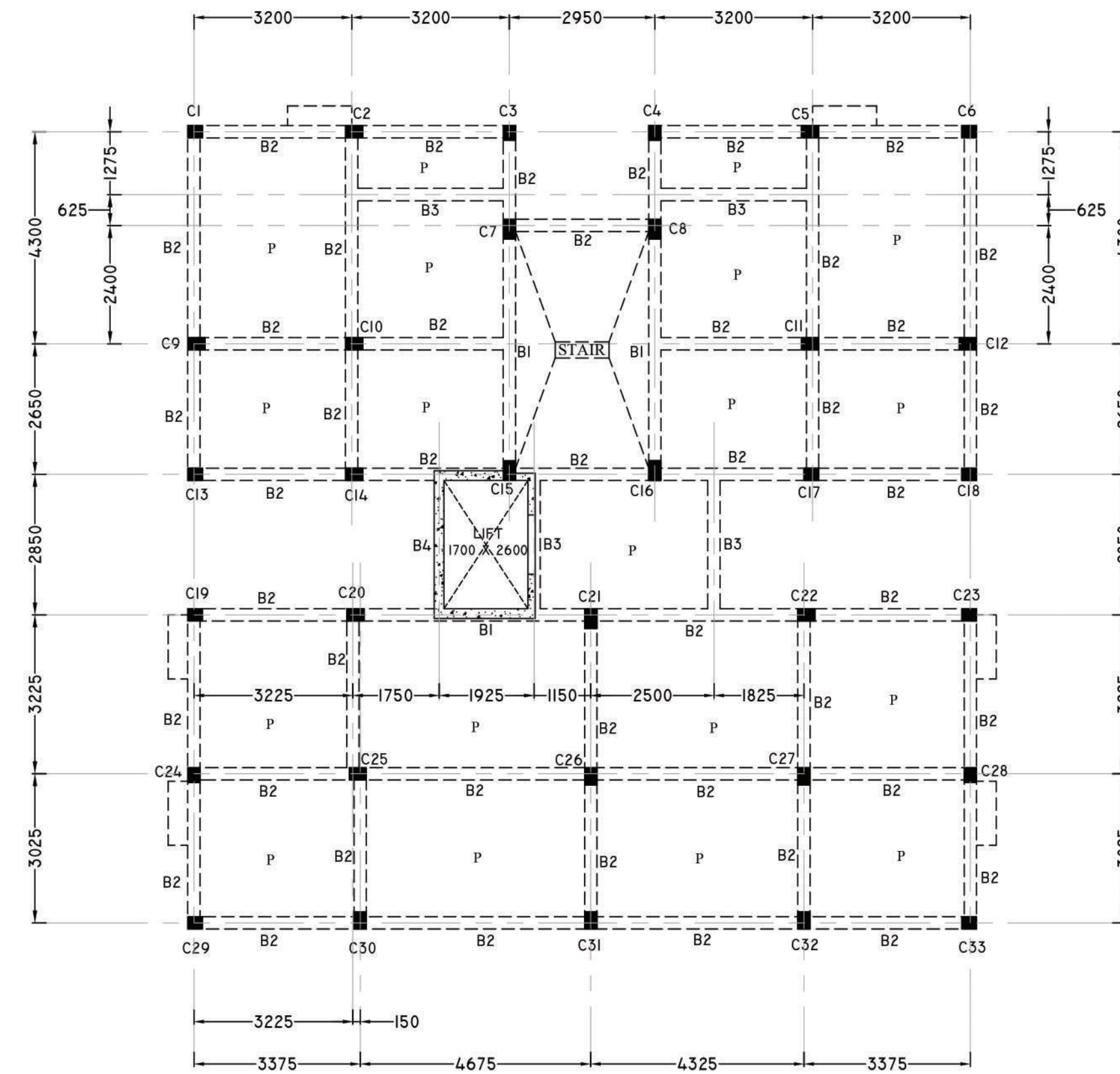
STRUCTURAL LAY-OUT PLAN
SCALE:- 1:100



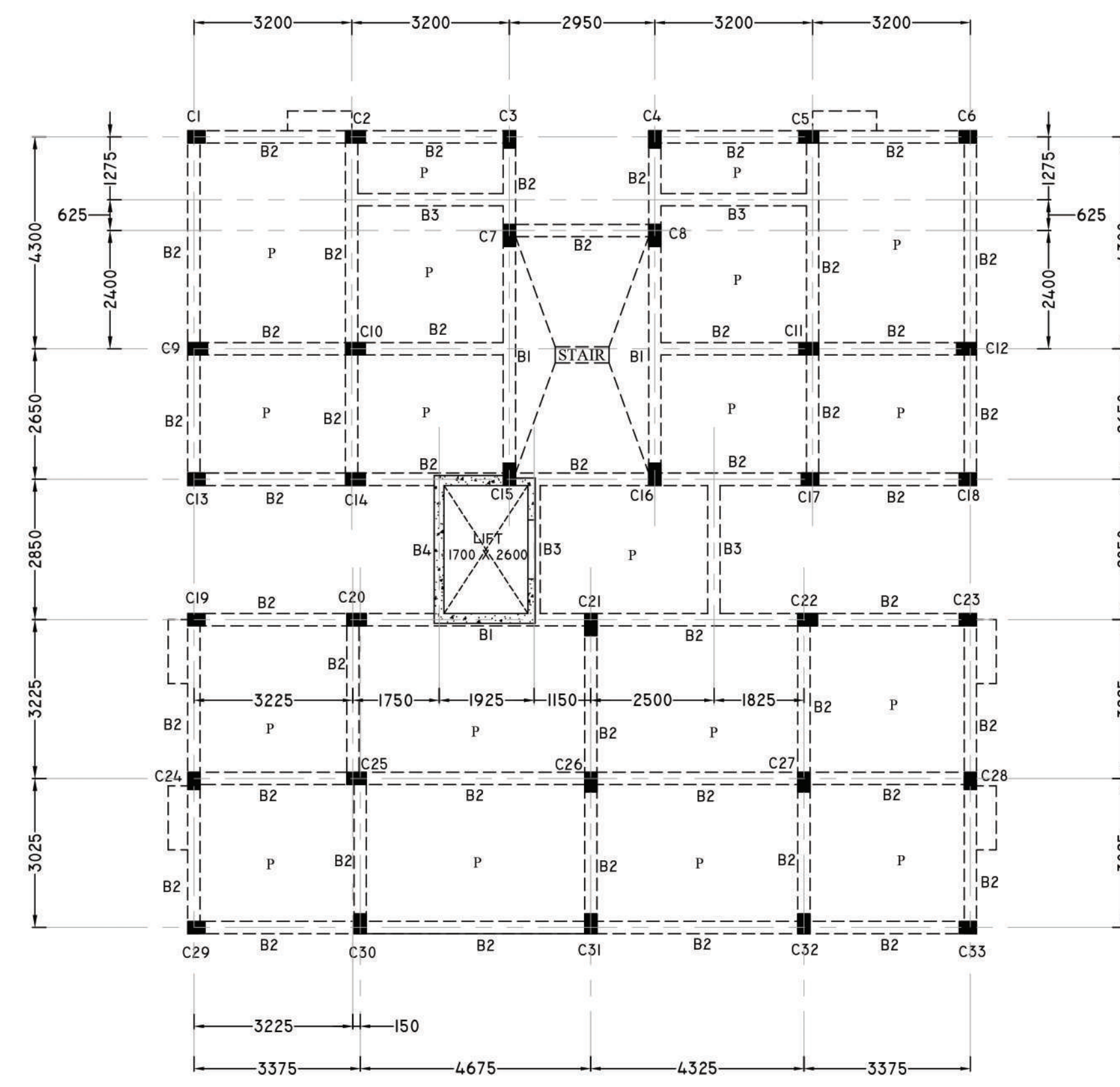
SECTION ON-AA



SECTIONAL PLAN OF PILE CAP [F1]
SCALE:- 1:25



GENERAL ARRANGEMENT
FOR BEAM AND SLAB (AT 5TH FLOOR LEVEL)
SCALE:- 1:100



GENERAL ARRANGEMENT
FOR BEAM AND SLAB (AT 1ST TO 4TH FLOOR LEVEL)
SCALE:- 1:100

STRUCTURAL PLAN OF PROPOSED G+IV STORIED RESIDENTIAL BUILDING FOR SRI SAURAV KHANDELWAL AT PREMISES NO - 131/2B, BAKRAHAT ROAD, WARD NO - 144, 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 #	2-16 #	8 # 2L #	2-16 #	2-16 #	8 # 2L #	FLOOR BEAM
B2	250x350	2-16 #	2-16 #	8 # 2L #	2-16 #	2-16 #	8 # 2L #	FLOOR BEAM
B3	250x350	2-12 #	2-16 #	8 # 2L #	2-12 #	2-16 #	8 # 2L #	FLOOR BEAM
B4	200x350	2-12 #	2-16 #	8 # 2L #	2-12 #	2-12 #	8 # 2L #	FLOOR BEAM

SCHEDULE OF R.C.C. SLABS :-

SLAB MKD.	THICK. (mm)	AT SHORTER DIRECTION				AT LONGER DIRECTION			
		SUPPORT		SPAN		SUPPORT		SPAN	
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM
P	110	8 # @ 150 C/C	8 # @ 300 C/C	8 # @ 150 C/C	8 # @ 300 C/C	8 # @ 150 C/C	8 # @ 300 C/C	8 # @ 150 C/C	8 # @ 150 C/C

SCHEDULE OF R.C.C. PILE FOUNDATIONS :-

COLUMN MKD.	PILE CAP MKD.	SHAPE	PILE CAP SIZE			REINFORCEMENT		REMARKS
			LENGTH (L)	BREADTH (B)	HEIGHT (H)	TOP	BOT	
C7,C8,C15, C16,C21	F1	Triangular	2250	2070	800	12 # @ 175 C/C (on both ways)	16 # @ 175 C/C (on both ways)	10 tor-4L @ 175 C/C
C2,C5,C10, C20,C22, C25,C26,C27	F2	Rectangular	2250	750	750	6-12 tor	6-20 tor	10 tor-4L @ 175 C/C
C9,C11,C12, C14,C30,C31, C32	F3	Rectangular	2250	750	750	5-12 tor	5-20 tor	8 tor-4L @ 175 C/C
C1,C3,C4,C6, C13,C17,C18, C19,C23,C24, C28,C29,C33	F4	Rectangular	2250	750	700	6-12 tor	6-16 tor	8 tor-4L @ 175 C/C

Remarks: Dia of Pile = 450 mm. Cut-off depth of Pile = 1500 mm.

SCHEDULE OF R.C.C. COLUMNS :-

COL. MKD.	SIZE & REINFORCEMENT			LINKS
	Gr. & 1st Floor	2nd & 3rd Floor	4th Floor	
C7,C8,C15, C16,C21	250 x 450 14-16 #	250 x 450 12-16 #	250 x 400 10-16 #	10 # 4L @ 175mm. C/C
C2,C5,C10,C20,C22, C25,C26,C27	250 x 400 10-16 #	250 x 400 8-16 #	250 x 350 8-16 #	8 # 4L @ 175mm. C/C
C9,C11,C12,C14, C30,C31,C32	250 x 400 8-16 #	250 x 400 8-16 #	250 x 350 8-16 #	8 # 4L @ 175mm. C/C
C1,C3,C4,C6, C13,C17,C18,C19, C23,C24, C28,C29,C33	250 x 350 8-16 #	250 x 350 8-16 #	250 x 300 6-16 #	8 # 4L @ 175mm. C/C

STRUCTURAL ENGINEER 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 ABUTTING COMMON PASSAGE 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.

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

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 - IIM4111
(Soil Mech & Foundation Engg. IIT Kgp.)
Regn. No. - GTER/NKDA/10/00046
K.M.C. E.S.E.No. - 1/117, Class-I
Gopal Chandra Das
G.T.-1/117
Signature of Geo-Technical Engineer

For SANGITAA CONSTRUCTION
Proprietor
Sri Bapi Chatterjee Proprietor of Sangitaa Construction as C.A. of Sri Saurav Khandelwal
Signature of Owner / Applicant

TITLE: SANCTION DRAWING

DRG. NO.	ADS/0082/KMC/STR-01	JOB NO.	ADS/0082
SCALE	1:100	DRAWN BY	SAYONI
DATE	20/09/2023	CHECKED BY	A.MONDAL
ISSUE STATUS	SANCTION		

AKASHDEEP DESIGN STUDIO
ARCHITECTS . ENGINEERS . PLANNERS . DESIGNERS
85/2, James Long Sarani, near Joka Metro Station, Kolkata-700104, India
akashdeepdesignstudio@gmail.com
8017522633/7488400480

THIS DRAWING IS A PRIVATE AND CONFIDENTIAL DOCUMENT AND THE PROPERTY OF AKASHDEEP DESIGN STUDIO. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF AKASHDEEP DESIGN STUDIO.