

SCHEDULE OF COLUMN :-

CONC. GRADE	Col.Mkd	C1,C2,C4,C5,C6,C7,C10,C11,C13,C15,C16,C17,C19,C20	C3,C8,C9,C12,C14,C18
	Col.Size	250X450	250X450
M 20	FINO. TO 1ST. FL. ROOF	4-20# + 4-16# (2Nos/Set) 8# @150C/C	8-20# (2Nos/Set) 8# @150C/C
	Col.Size	250X450	250X450
M 20	2ND. FL. LVL. TO 3RD. FL. ROOF	8-16# (2Nos/Set) 8# @150C/C	4-20# + 4-16# (2Nos/Set) 8# @150C/C
	Col.Size	250X450	250X450
M 20	4TH. FL. LVL. TO REST	4-16# + 4-12# (2Nos/Set) 8# @150C/C	8-16# (2Nos/Set) 8# @150C/C

SCHEDULE OF FOUNDATION BEAM : (CONC. GRADE - M20)

BEAM MKD.	SIZE	ALTH. REINFORCEMENT		EXTRA REINFORCEMENT			STIRRUPS	
		TOP	BOTTOM	CONT. EDGE (B)	MID SPAN. (T)	DISCONT. EDGE. (B)	SUPPORT	MID SPAN
FB1	500X700	5-16#	5-16#	3-20#	---	5-20#	4L-10# @ 150 C/C	2L-10# @ 150 C/C
FB2	500X700	5-16#	5-16#	5-20#	2-20#	5-20#	4L-10# @ 150 C/C	2L-10# @ 150 C/C
FB3	500X700	5-16#	5-16#	5-20#	---	5-16#	4L-10# @ 150 C/C	2L-10# @ 150 C/C
FB4	500X700	5-16#	5-16#	5-20#	---	3-20#	4L-10# @ 150 C/C	2L-10# @ 150 C/C

SCHEDULE OF FLOOR BEAMS : (CONCRETE GRADE - M20)

BEAM MKD.	SIZE	ALTH. REINFORCEMENT		EXTRA REINFORCEMENT			STIRRUPS	
		TOP	BOTTOM	CONT.SUPP. (T)	MID SPAN. (B)	DISCONT. SUPP. (T)	SUPPORT	MID SPAN
B1	250x450	3-16#	3-16#	1-16# + 1-12#	---	1-16# + 1-12#	2L-8# @150 C/C	2L-8# @175 C/C
B2	250x450	3-16#	3-16#	2-12#	---	2-12#	2L-8# @150 C/C	2L-8# @175 C/C
B3	250x450	3-16#	3-16#	2-16#	2-12#	2-16#	2L-8# @150 C/C	2L-8# @175 C/C
B4	250x450	3-16#	3-16#	---	---	---	2L-8# @150 C/C	2L-8# @175 C/C
LB	250x450	3-16#	3-16#	---	---	2-16#	2L-8# @150 C/C	2L-8# @175 C/C

SCHEDULE OF TIE BEAM: (CONCRETE GRADE - M20)

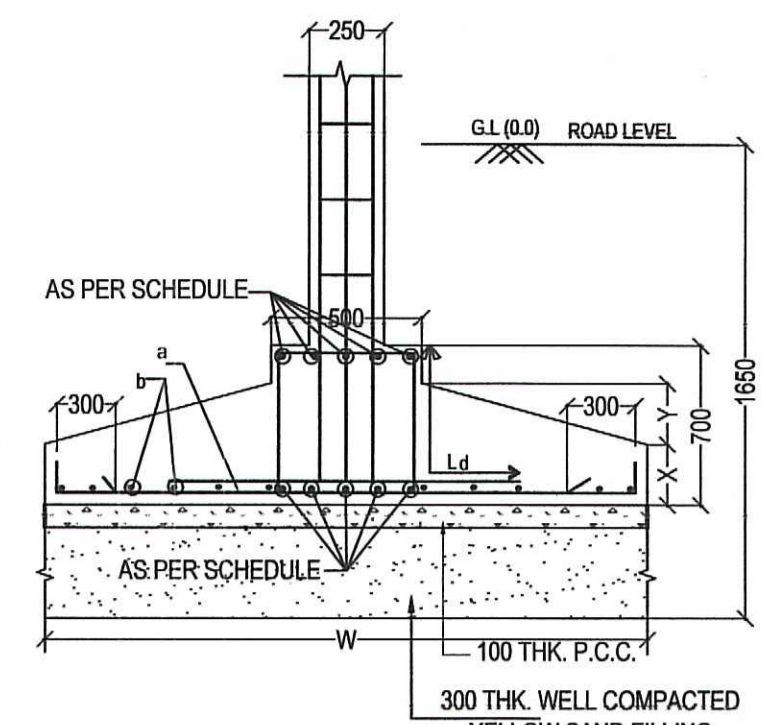
SL. NO.	BEAM MKD.	BEAM SIZE	ALTH. TOP	ALTH. BOTTOM	EXTRA REINFORCEMENT			STIRRUPS
					CONT.(T)	MID SPAN. (B)	DISCONT. EDGE.(T)	
1.	TB1	250 X 400	2-16#	2-16#	1-16#	---	1-16#	2L-8#@175C/C (SUPP) 2L-8#@200C/C (SPAN)
2.	TB2	250 X 400	2-16#	2-16#	1-16# + 1-12#	1-16#	1-16# + 1-12#	2L-8#@175C/C (SUPP) 2L-8#@200C/C (SPAN)

SCHEDULE OF SLABS: (CONCRETE GRADE - M20)

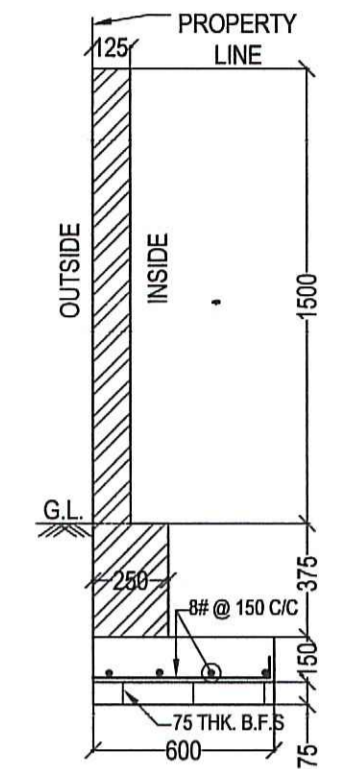
SLAB MKD.	SLAB THK	REINFORCEMENT		EXTRA TOP	
		ALONG SHORTER SPAN (B)	ALONG LONGER SPAN (B)	ALONG SHORTER SPAN	ALONG LONGER SPAN
S1	120	8 # @ 150 C/C	8 # @ 150 C/C	8 # @ 125 C/C	8 # @ 125 C/C
S2	120	8 # @ 150 C/C	8 # @ 150 C/C	8 # @ 150 C/C	8 # @ 150 C/C
WAIST SLAB	150	12 # @ 150C/C		BINDER - 8 # @ 150 C/C	
BINDER		8 # @ 200 C/C (AT TOP)			

SCHEDULE OF FOUNDATION SLAB : (CONC. GRADE - M20)

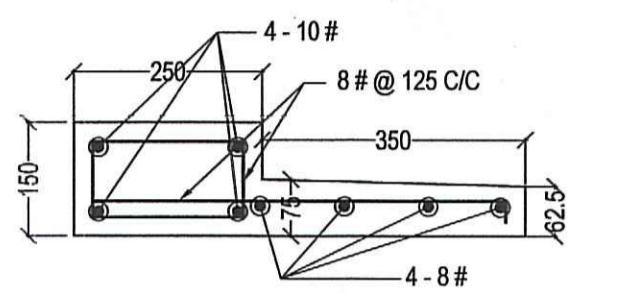
SL. NO.	FDN WIDTH(w)	(x)	(y)	REINFORCEMENT (a)	BINDER (b)
1.	1500	150	150	12 # @200 C/C	8 # @150 C/C
2.	2000	150	200	12 # @175 C/C	8 # @150 C/C
3.	2500	200	200	12 # @150 C/C	8 # @150 C/C



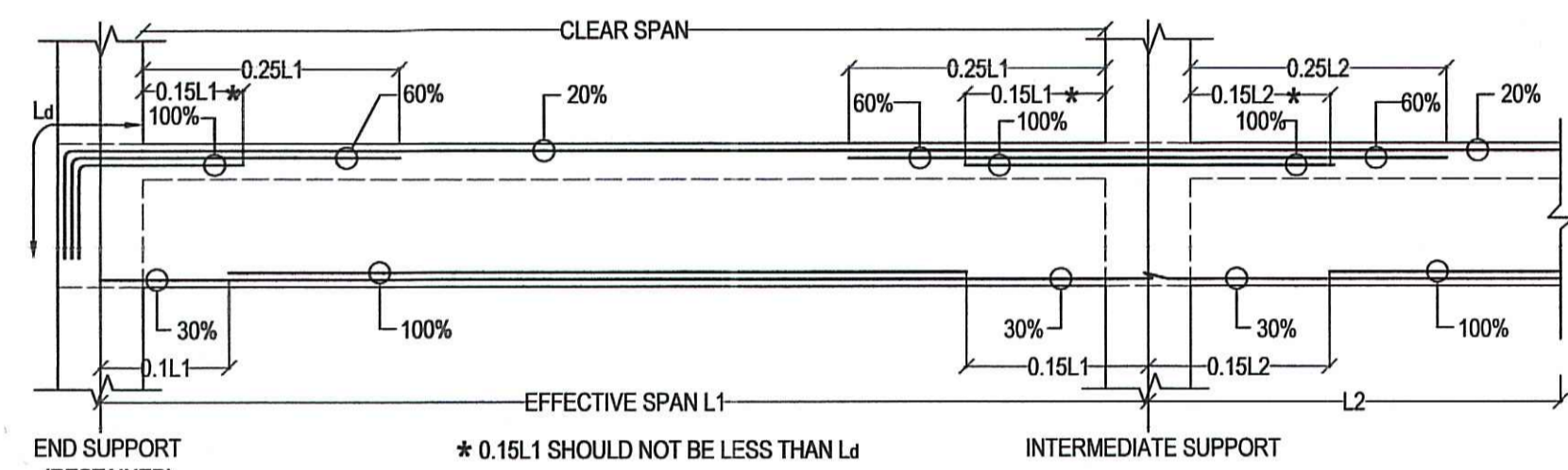
DETAIL OF FOUNDATION
SCALE: 1:25



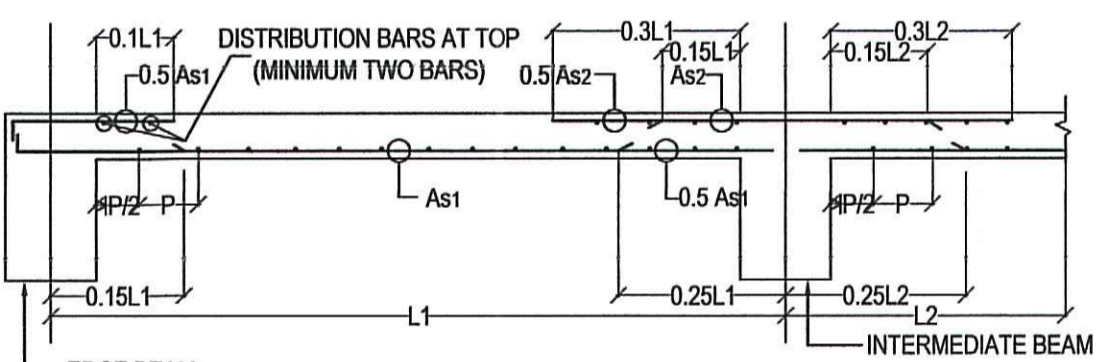
SECTION THROUGH 125 THK. BOUNDARY WALL
SCALE: 1:25



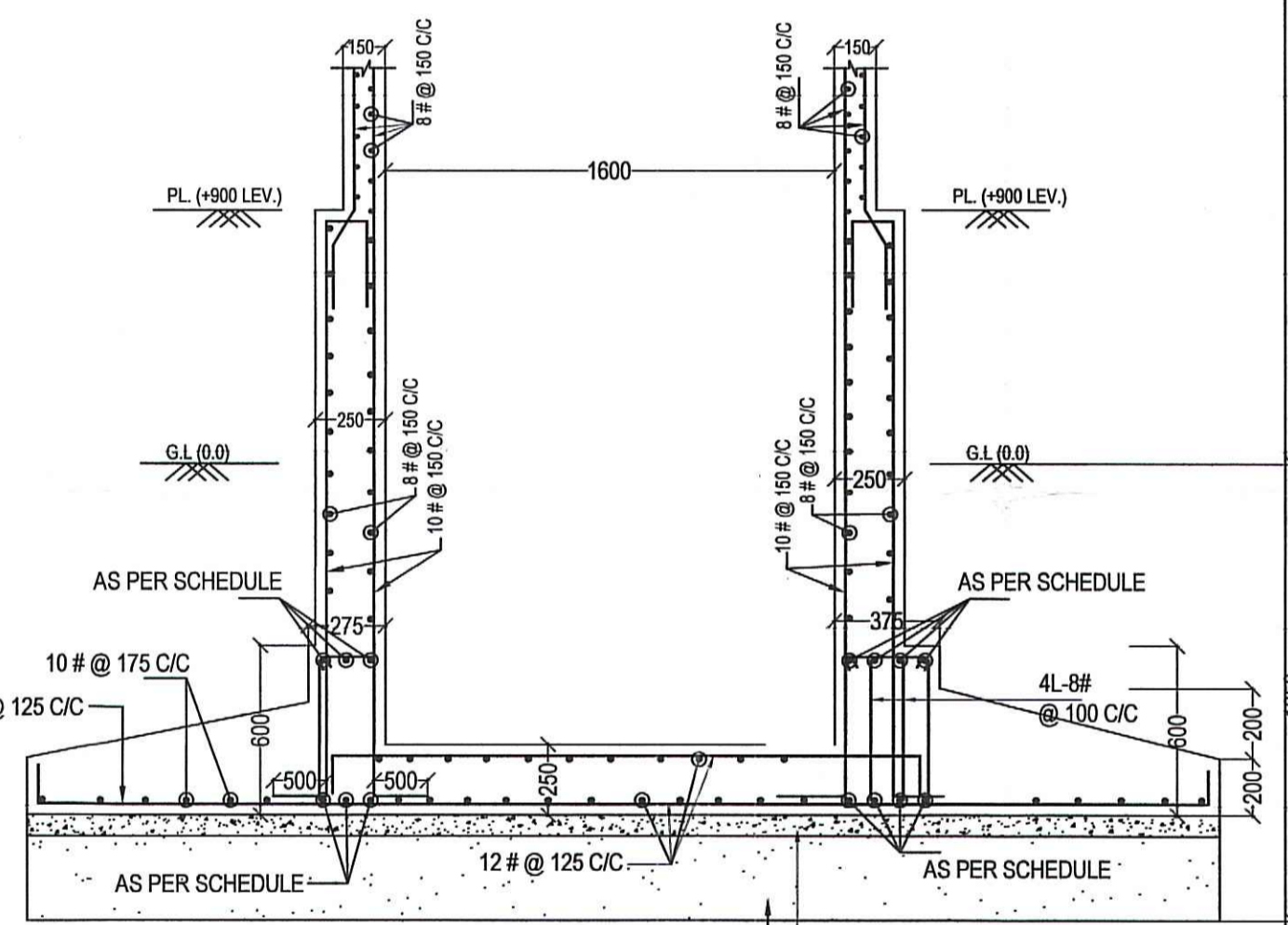
DETAIL OF LINTEL WITH CHAJJA
SCALE: 1:10



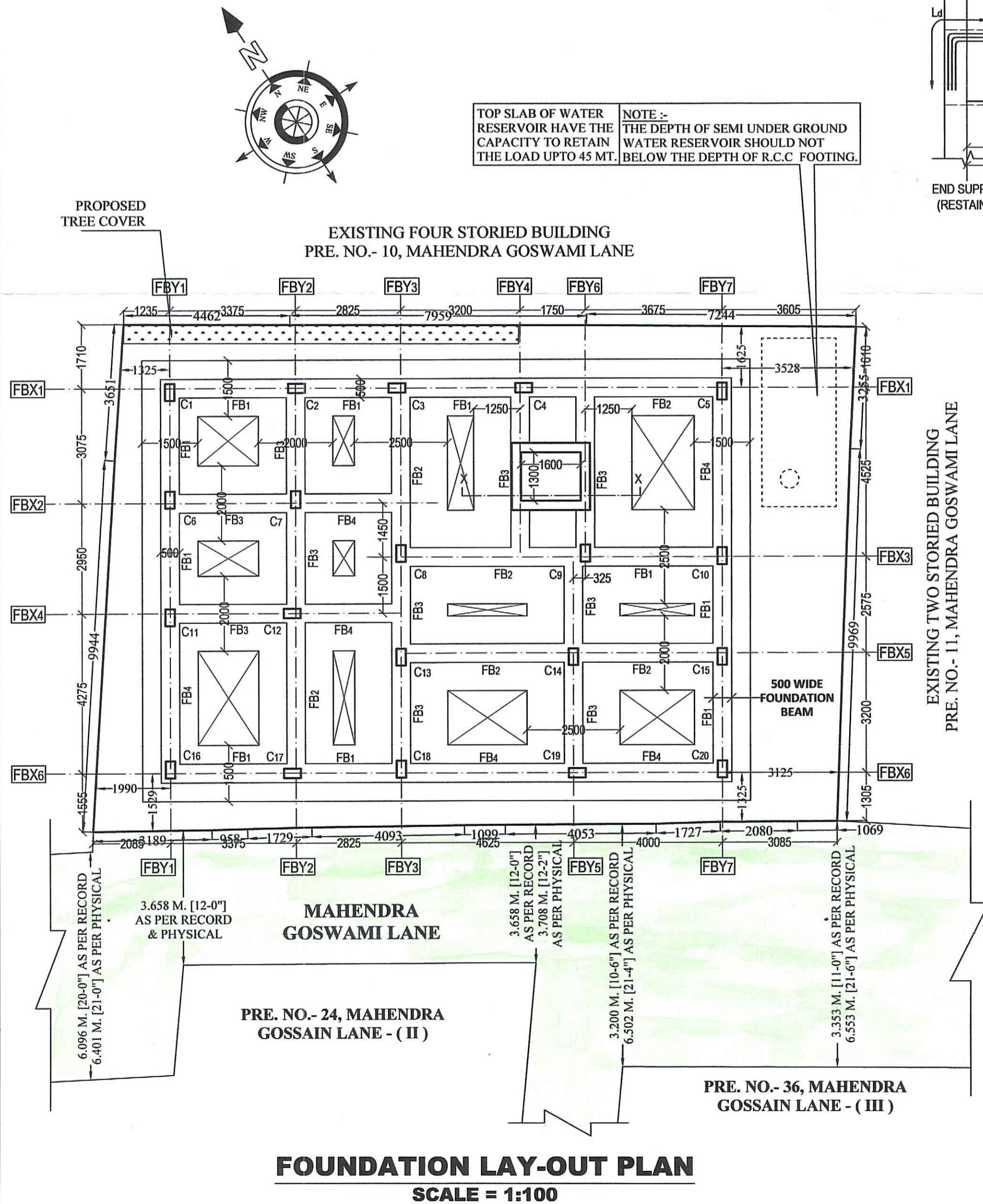
TYPICAL LONGITUDINAL SECTION OF BEAM
SCALE: 1:25



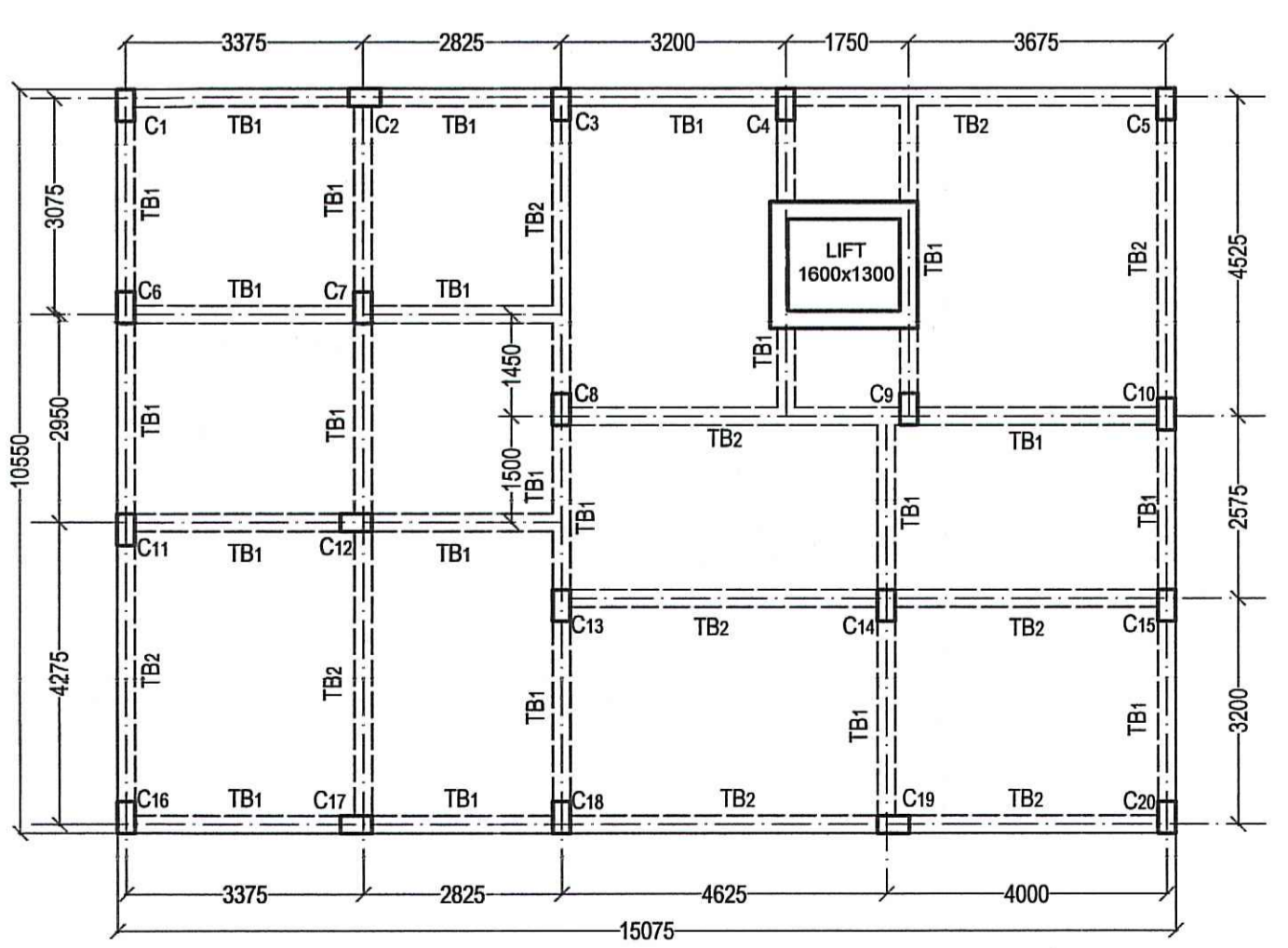
LONGITUDINAL SECTION OF SLAB (TYPICAL)
SCALE: 1:25



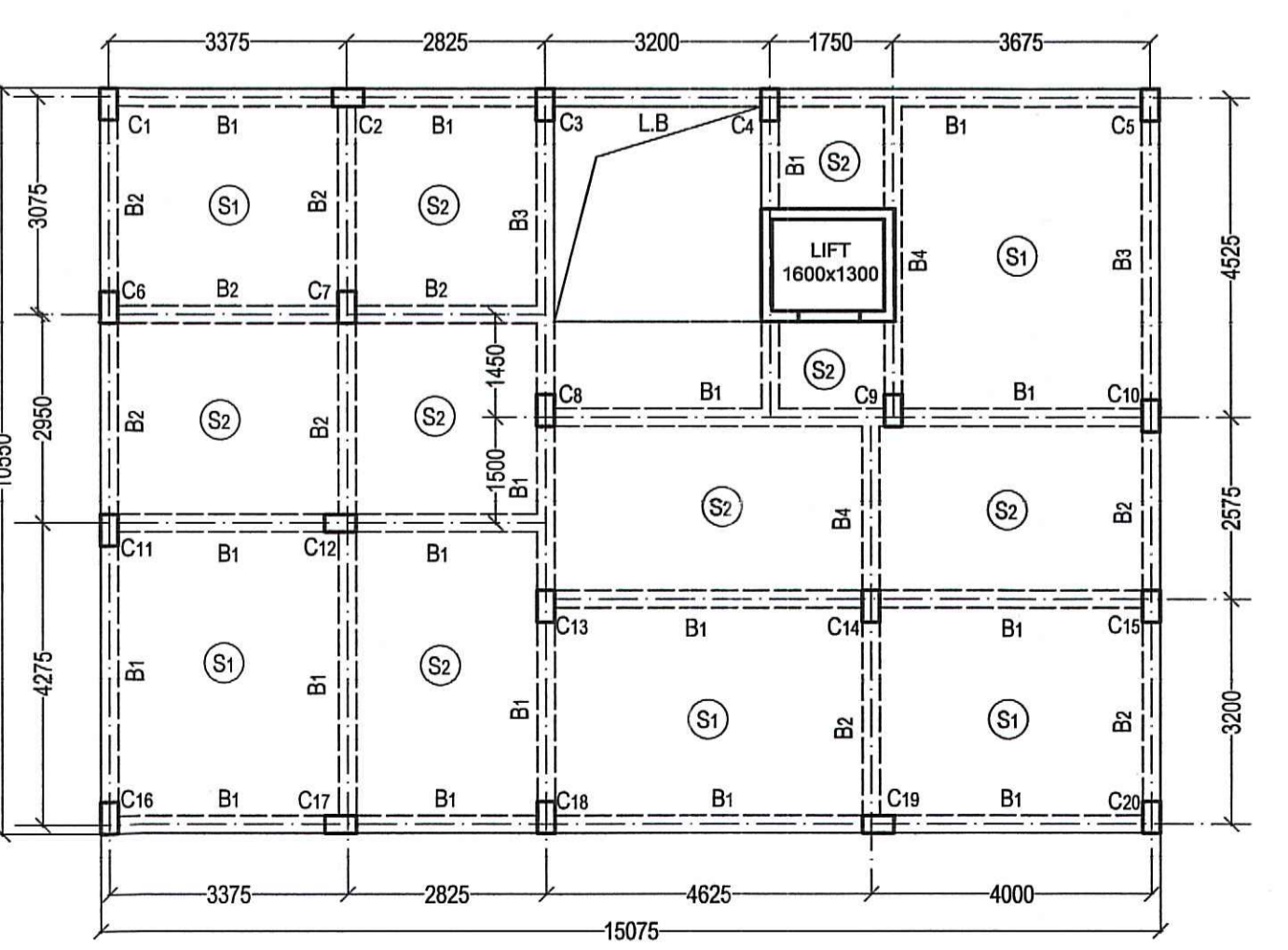
SEC. AT X-X'
SCALE: 1:25



FOUNDATION LAY-OUT PLAN
SCALE = 1:100



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



FLOOR BEAM LAY-OUT PLAN
SCALE = 1:100

STRUCTURAL PLAN OF FIVE STORIED RESIDENTIAL BUILDING AT PRE. NO.- 10/1, MAHENDRA GOSSAIN LANE, UNDER KMC WARD NO.- 026, BOROUGH - IV, KOLKATA - 700006, P.S.- GIRISH PARK.

U/R 142 OF KMC BLDG. RULE 2009 & U/S 393 OF K.M.C. ACT, 1980.

NOTE :- ALL DIMENSIONS ARE IN MM.
SCALE = 1:100 (UNLESS OTHERWISE MENTIONED)
HEIGHT OF THE BUILDING = 15.475 MTRS.

- NOTES :-
1. ALL DIMENSIONS ARE IN MILLIMETRE (UNLESS OTHERWISE STATED).
 2. SCALE = 1:100 (UNLESS OTHERWISE STATED).
 3. ALL OUTER WALLS ARE 200 THK. & PARTITION WALLS 125 OR 75 THK.
 4. WALL 200 THK. IN 1:6 MORTAR & 75 THK. & 125 THK. IN 1:4 MORTAR.
 5. ALL BUILDING MATERIALS SHOULD CONFORM TO I.S. & N.B. CODES OR AS SPECIFIED BY THE ENGINEER IN CHARGE.

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

Umesh Mishra
UMESH MISHRA
B.E. (CIVIL), M.E. (STR), MBA (S'Y)
CHARTERED ENGINEER
KMC-LBS1/1176, ESE1/182

SIG. OF STRUCTURAL ENGINEER

CERTIFICATE OF GEO-TECHNICAL ENGINEER
UNDERSIGNED HAS INSPECTED THE SITE. SOIL EXPLORATION WILL BE CARRIED OUT AT SITE AFTER DEMOLITION OF EXISTING STRUCTURE. SOIL EXPLORATION REPORT WITH RECOMMENDATION WILL BE SUBMITTED ACCORDINGLY. NOW IT IS CERTIFIED THAT SOIL EXPLORATION AND RECOMMENDATION REPORT WILL BE COMPARED AND VERIFIED BY ME WITH PROPOSED CONSTRUCTION SO THAT THE SITE WILL BE ABLE TO CARRY THE LOAD COMING FROM PROPOSED CONSTRUCTION TO THE FOUNDATION. CERTIFIED THAT THE RECOMMENDATION FOLLOWED WITH SOIL EXPLORATION WILL BE MADE IN SUCH A WAY TO MAKE THE PROPOSED CONSTRUCTION SAFE AND STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

Mr. Bhaskarjyoti Roy
Mr. Bhaskarjyoti Roy
B.C.E., M.I.E., M.I.G.S.
Chartered Engineer
Empalment No.-GT/11/4/(K.M.C.)

SIGN. OF GEO-TECHNICAL ENGINEER

Sudhasil Bhaumik
SUDDHASIL BHAUMIK
B.Tech.(Civil), M.L.E., M.I.G.S.(LM-4023)
Chartered Engineer (162340/7)
KMC-LBS-1/1544

SIGNATURE OF L.B.S.

Dhanaklash Vintrade Private Limited
Dhanaklash Vintrade Private Limited
Director

SIGN. OF OWNER/ APPLICANT

- SPECIFICATIONS**
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE NOTED.
 2. CONCRETE GRADE M-20 & STEEL GRADE Fe-415 SHOULD BE USED.
 3. CLEAR COVER TO MAIN REINFORCEMENT:-
FOUNDATION - 50 mm., COLUMN - 40 mm., BEAM - 25 mm.,
SLAB & STAIR CASE - 15 mm.
 4. ALL P.C.C. WORK TO BE (1:3:6) WITH STONE CHIPS.
 5. ALL DIMENSIONS SHOULD BE CHECKED AT SITE BEFORE CONSTRUCTION.

SPECIFICATION OF R.C.C. CONCRETE

CONCRETE GRADE COL. & BEAM	-	M-20
CONCRETE GRADE SLAB	-	M-20
STEEL GRADE F.E.	-	415
CON. COVER IN FOUNDATION STEEL	-	50 M.M.
CON. COVER IN SUPER STRUCTURE	-	25 M.M.
MORTAR FOR 250 TH. C.B. WALL	-	1 : 6
MORTAR FOR 125 TH. C.B. WALL	-	1 : 4

PARTY'S COPY

o Sl. No. 079 / Br. IV / Rldg / 2023-24 / dt. 03.11.2023
o Approved by Dy.C.E (C) / Rldg / North / dt. 04.10.2023

KOLKATA MUNICIPAL CORPORATION
BUILDING DEPTT.
PLANS APPROVED U/R 26 (2a) & (2b) of
C.M.C. BUILDING RULES 1999
B.P. No. 2872/2023 Br. No. IV Dt. 28.7.2022
Assistant Engineer Ex. Engr. (Civil)
Br. No. : IV Br. No. : IV

RECEIVED
CONTENT
Date: 12/11/23
Signature
Borough No.
IV & V

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