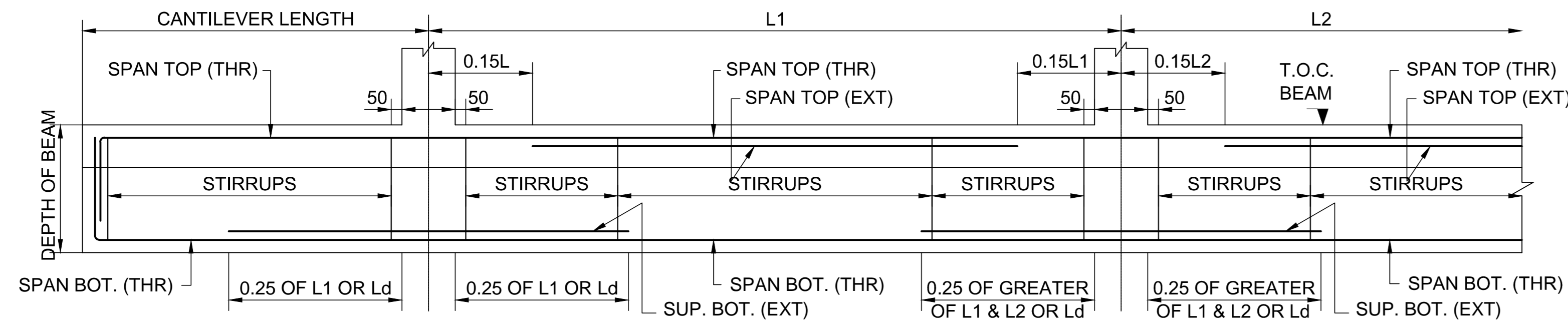
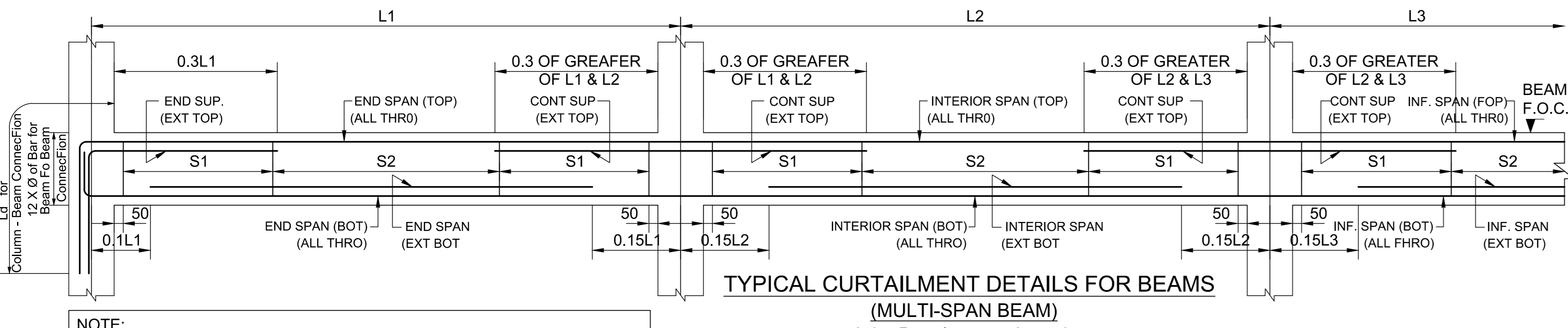


TYP. SECTION OF FLOOR SLAB ALONG SHORTER DIRECTION
(* DEVELOPMENT LENGTH, WHICHEVER IS GREATER)



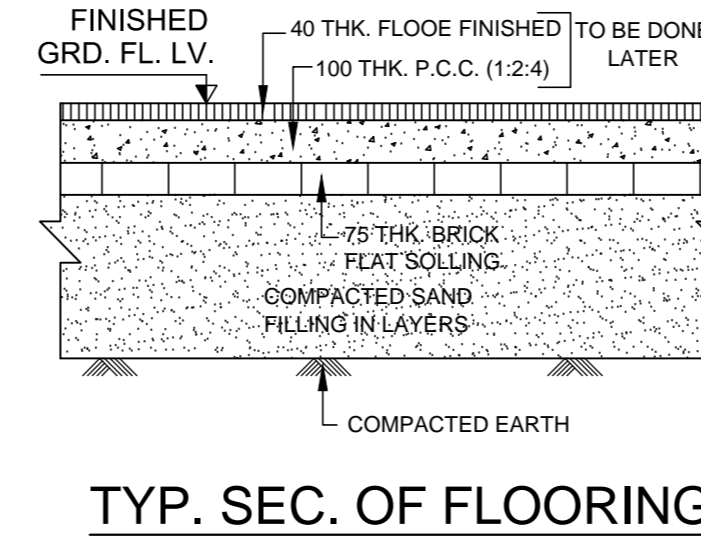
TYPICAL CURTAILMENT DETAILS FOR FOUNDATION BEAM
(MULTIPLE SPAN BEAM)



TYPICAL CURTAILMENT DETAILS FOR BEAMS
(MULTI-SPAN BEAM)
Ld = Development Length

NOTE:
AT TOP OF ALL CONTINUOUS SUPPORTS COMMON TO BEAMS OF TWO DIFFERENT MARKS, PROVIDE HIGHER AREA OF REINFORCEMENT BETWEEN THE TWO VALUES SHOWN FOR THE CONTINUOUS SUPPORTS FOR THE TWO DIFFERENTLY MARKED BEAMS.

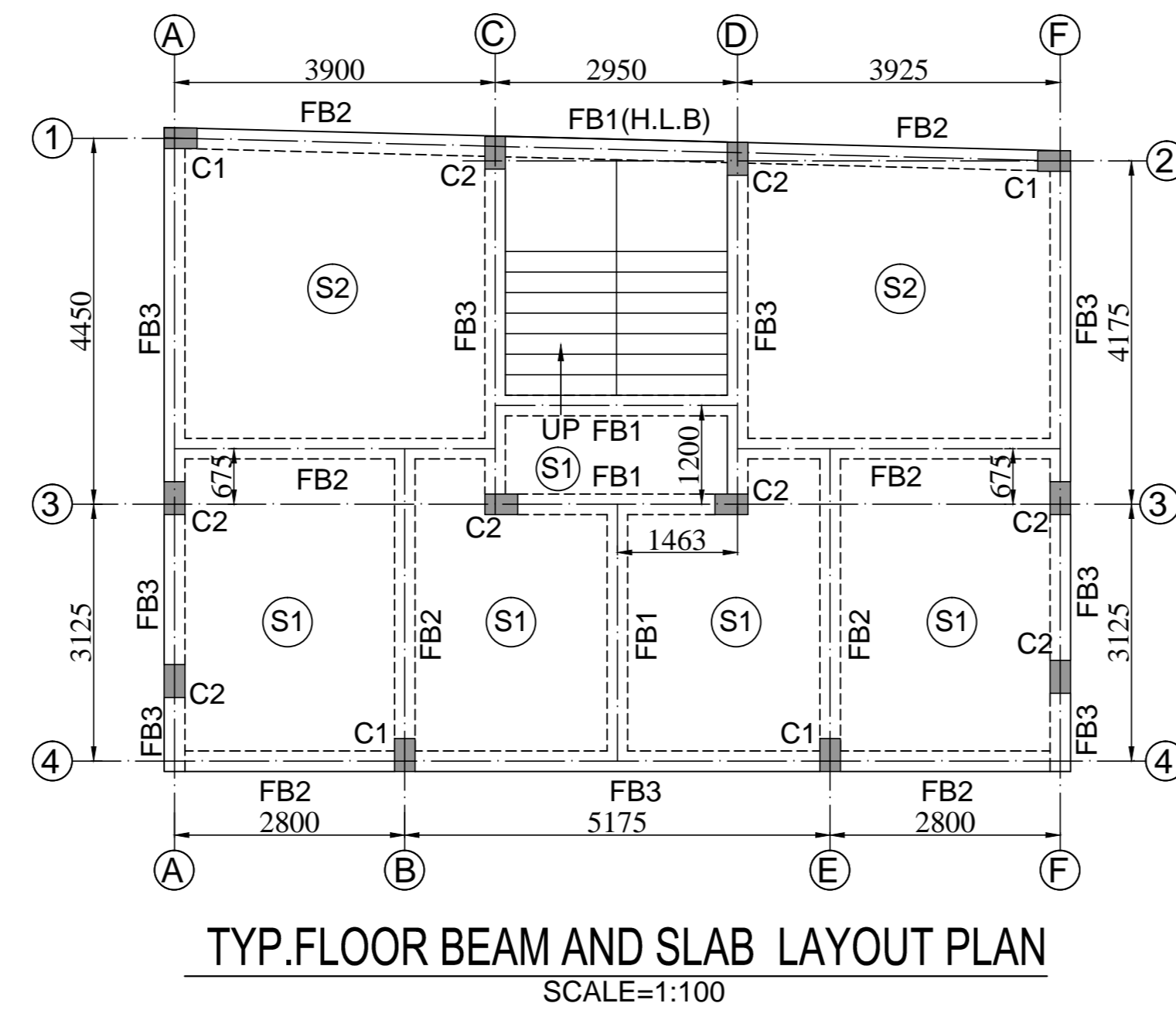
SCHEDULE OF FOOTINGS						
FFG. TYPE	FND. DEPTH	FOOTING SIZE		FFG. SLAB THK. (D1) (mm)	FOOTING REINFORCEMENT BOTTOM	
		L (mm)	B (mm)		(Along Short) b1	(Along Long) b2
F1	1500	2100X2100	400	10 φ @ 125 C/C	10 φ @ 125 C/C	
F2	1500	2400X2400	400	10 φ @ 125 C/C	10 φ @ 125 C/C	



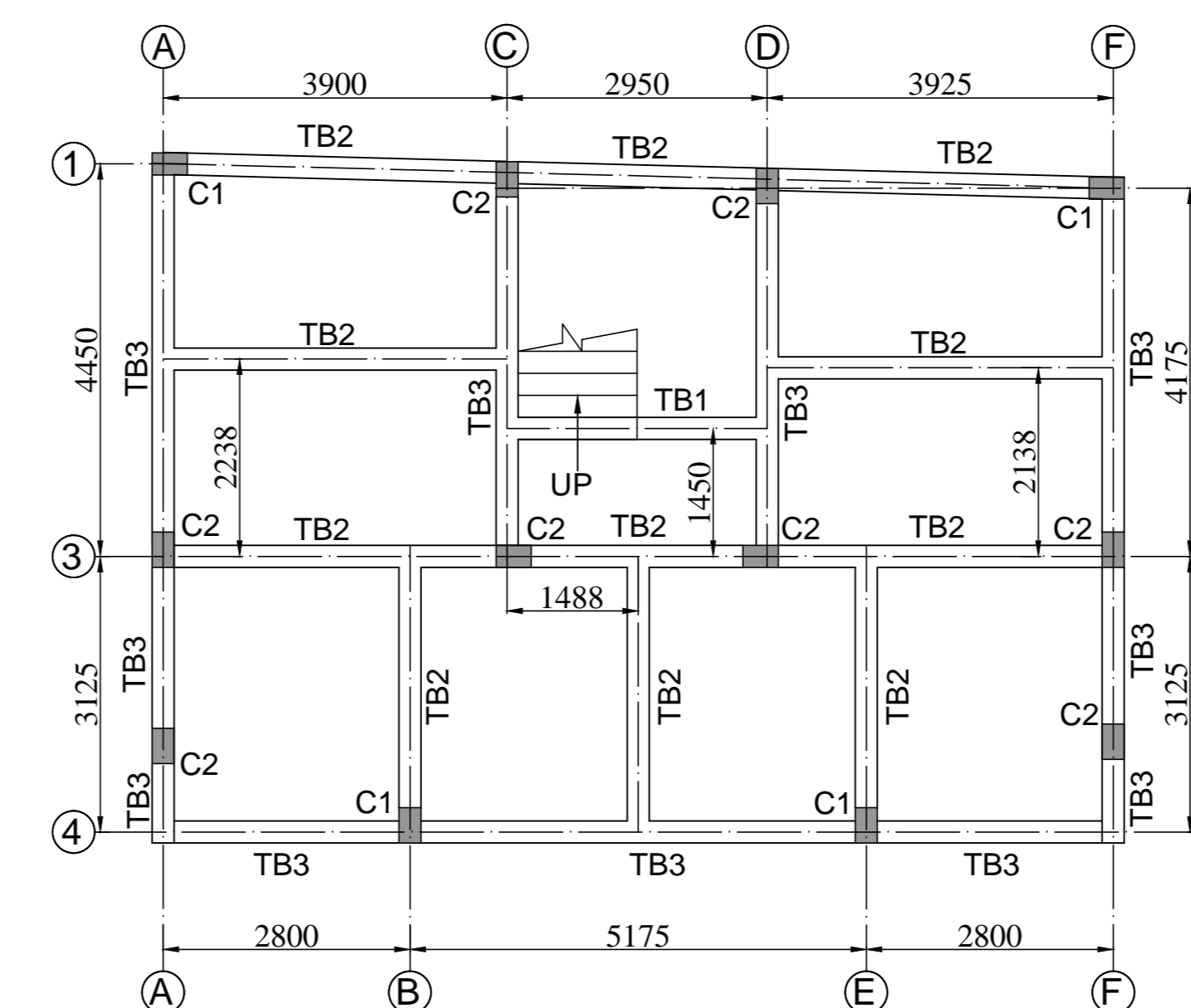
TYP. SEC. OF FLOORING

SLAB MKD.	SLAB THK. (mm)	REINFORCEMENT					
		ALONG SHORTER DIRECTION			ALONG LONGER DIRECTION		
		DISCON. SUP. (TOP)	SPAN (BOT.)	CONT. SUP. (TOP)	DISCON. SUP. (TOP)	SPAN (BOT.)	CONT. SUP. (TOP)
S1	125	8 φ @ 125 C/C	8 φ @ 125 C/C	8 φ @ 125 C/C	8 φ @ 125 C/C	8 φ @ 125 C/C	8 φ @ 125 C/C
S2	150	8 φ @ 125 C/C	8 φ @ 125 C/C	8 φ @ 125 C/C	8 φ @ 125 C/C	8 φ @ 125 C/C	8 φ @ 125 C/C

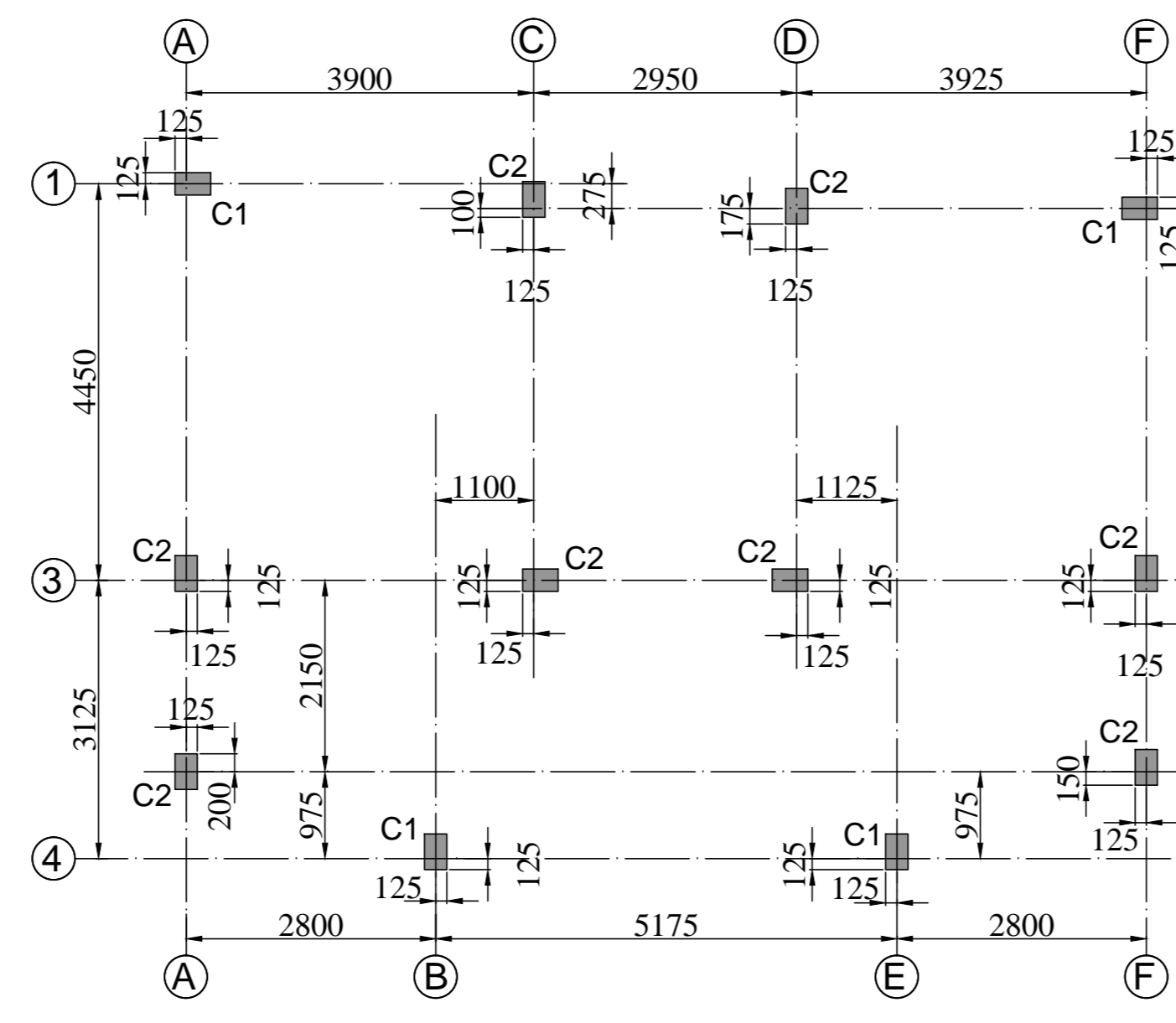
SCHEDULE OF BEAMS										
BEAM MKD.	SIZE	WIDTH (mm)	DEPTH (mm)	REINFORCEMENT				STIRRUPS		
				END SUPP. TOP	END SUPP. BOT.	SPAN TOP	SPAN BOT.		CONT. SUPP. TOP	CONT. SUPP. BOT.
TB1	FB1	250	400	2-16 φ	2-16 φ	2-16 φ	2-16 φ	2-16 φ	2L-8 φ @ 125 C/C	2L-8 φ @ 150 C/C
				1-12 φ	2-16 φ	2-16 φ	1-12 φ	2-16 φ	2-16 φ	
TB2	FB2	250	400	2-16 φ	2-16 φ	2-16 φ	2-16 φ	2-16 φ	2L-8 φ @ 125 C/C	2L-8 φ @ 150 C/C
				1-16 φ	2-16 φ	2-16 φ	1-16 φ	2-16 φ	2-16 φ	
TB3	FB3	250	400	2-16 φ	2-16 φ	2-16 φ	2-16 φ	2-16 φ	2L-8 φ @ 125 C/C	2L-8 φ @ 150 C/C
				2-16 φ	2-16 φ	2-16 φ	2-16 φ	2-16 φ	2-16 φ	



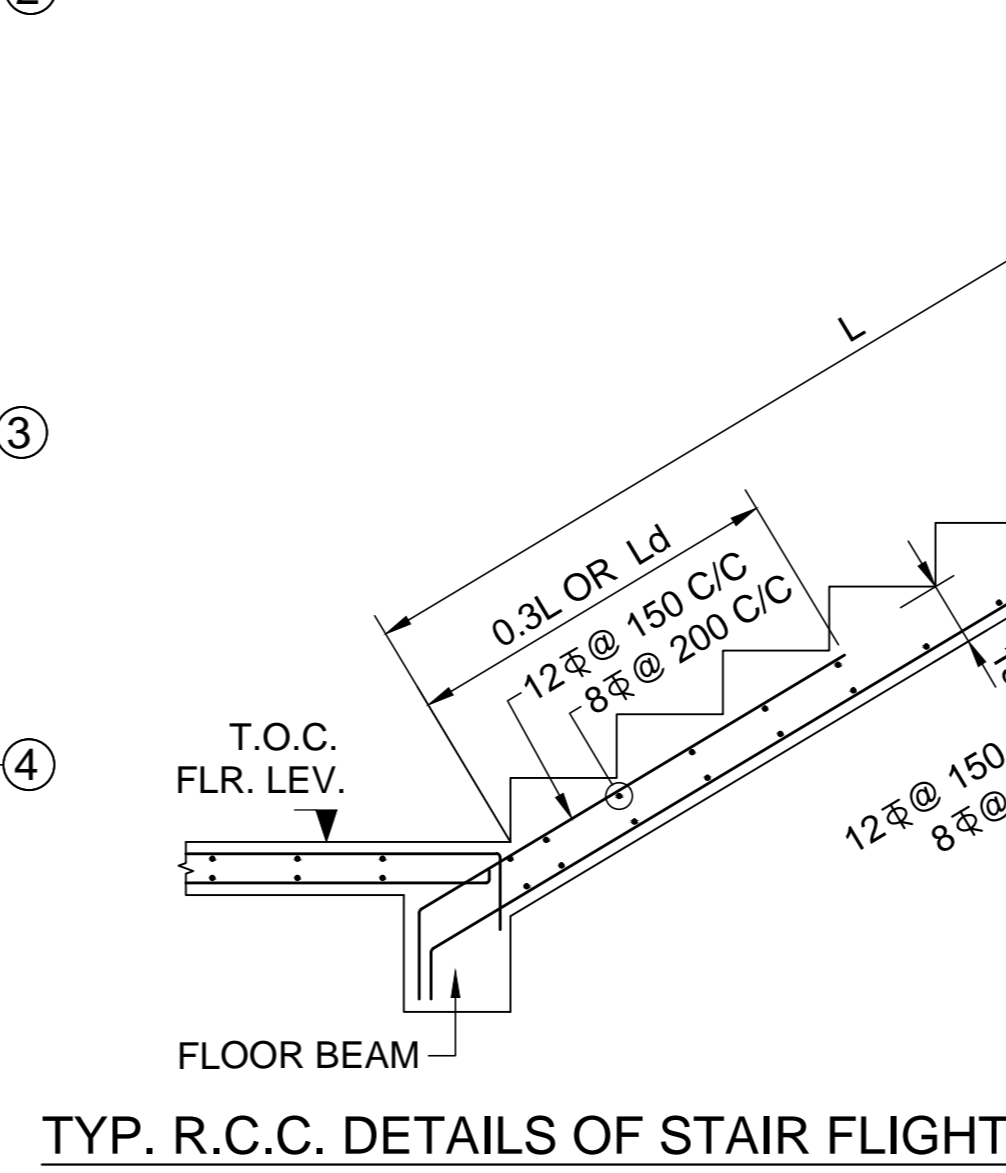
TYP. FLOOR BEAM AND SLAB LAYOUT PLAN
SCALE=1:100



TIE BEAM LAYOUT PLAN
SCALE=1:100



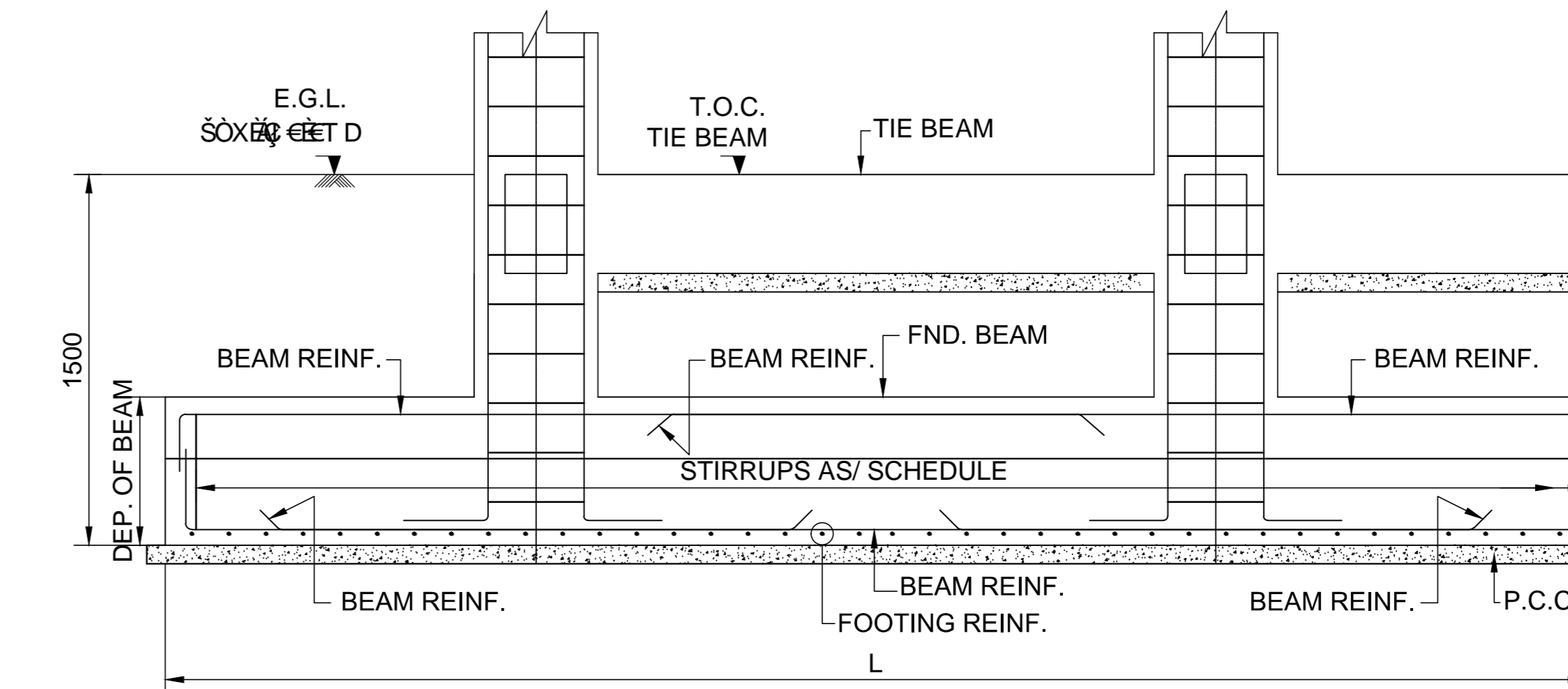
COLUMN LAYOUT PLAN
SCALE=1:100



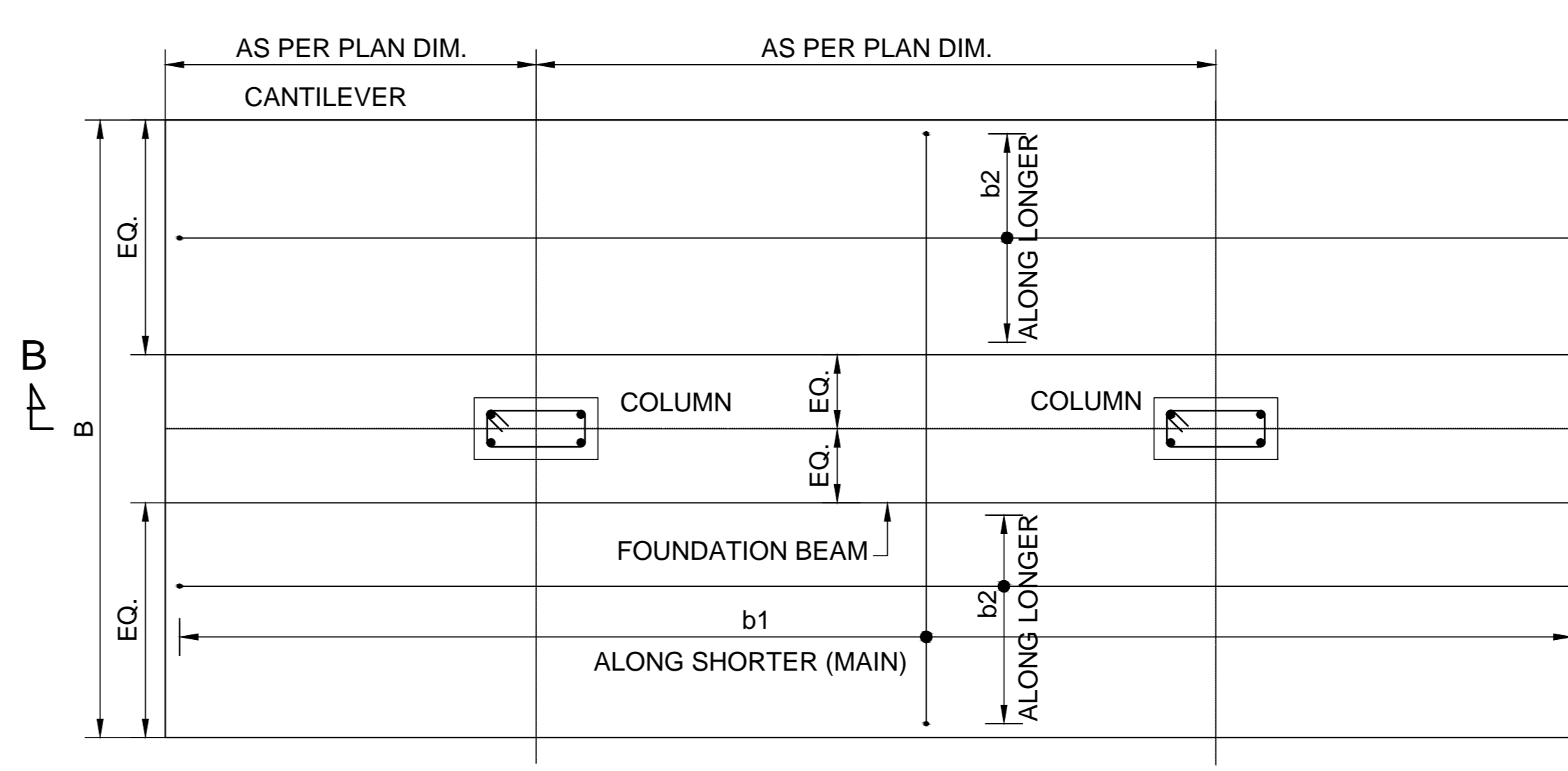
TYP. R.C.C. DETAILS OF STAIR FLIGHT

SCHEDULE OF STAIR			
WAIST SLAB	MAIN REINF. TOP	MAIN REINF. BOTTOM	BINDERS
150 THK.	12 φ @ 150 C/C	12 φ @ 150 C/C	8 φ @ 200 C/C

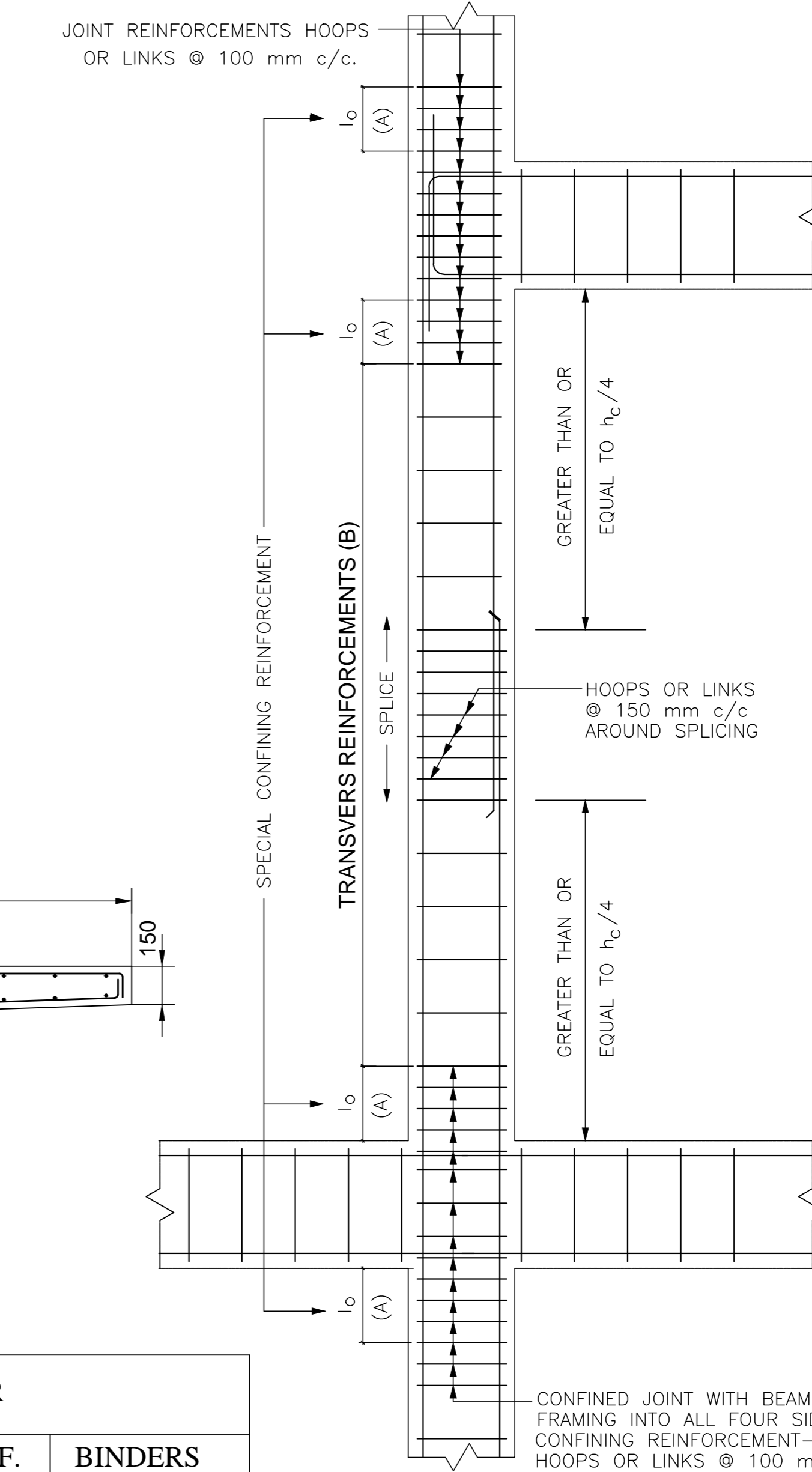
SCHEDULE OF COLUMNS				
SIZES AND REINFORCEMENT	2ND. FLOOR LEV. TO 2ND. FLR. LEV.		2ND. FLOOR LEV. TO ROOF LEV.	
	COL. MKD.	C1	COL. MKD.	C2
250 X 250	4-16 φ + 2-12 φ 8 φ LINKS @ 150/200 C/C (2 LINKS PER SET)	250 X 250	4-16 φ + 4-12 φ 8 φ LINKS @ 150/200 C/C (3 LINKS PER SET)	
250 X 250	6-16 φ 8 φ LINKS @ 150/200 C/C (2 LINKS PER SET)	250 X 250	6-16 φ + 2-12 φ 8 φ LINKS @ 150/200 C/C (3 LINKS PER SET)	



SECTION B-B



TYPICAL DETAIL OF STRIP FOOTING & FOUNDATION BEAM



TYP. R.C.C. DETAILS OF STAIR FLIGHT

PROJECT :- BUILDING PLAN
 PROPOSED G+III STORED PRINCIPALLY RESIDENTIAL PARTLY COMMERCIAL BUILDING AT MORAN ROAD ; R.S. DAG NO. - 354(P), R.S. KHATIAN NO. - 222; L.R. DAG NO. - 459; L.R. KHATIAN NOS. - 2045, 5122; J.L. NO.-1; SHEET NO. - 25; WARD NO. - 23; HOLDING NO. - 560; BOROUGH NO. - IV; P.S. - MOUZA - CHANDANNAGAR, UNDER CHANDERNAGORE MUNICIPAL CORPORATION; DISTRICT. - HOOGHLY.

OWNER'S NAME :-
 1. MR. PRADIP KUMAR BANERJEE; S/O- LATE BUJOY BANERJEE
 2. MR. DIPAK KUMAR BANDYAPADHYAY; O/O- LATE BUJOY KUMAR BANERJEE

TITLE :- STRUCTURAL PLAN

DRG. NO. PK/2022/37/CORP/AR-01
 SCALE
 DATE 05.11.2022
 JOB NO. PK/01

DRAWN BY R.K.
 CHKD BY P.K.
 APVD BY

DESIGNED BY STRAIGHT LINE CORPORATION
 ISSUE STATUS

AREA STATEMENT
 LAND AREA:- (AS PER PHYSICAL) 1/16.043 ACRE.
 GROUND FLOOR COVERED AREA :- 84.82 SQ.MT. (913 SQ.FT.)
 TYPICAL (1ST - 3RD.) FLOOR COVERED AREA :- 84.82 SQ.MT. (913 SQ.FT.) EACH (RESIDENTIAL)
 TOTAL COVERED AREA :- 339.28 SQ.MT. (3652 SQ.FT.)
 SERVICE AREA AT GROUND FLOOR :- 11.71 SQ.MT. (126 SQ.FT.) [INCLUDING STAIR]
 COMMERCIAL AREA AT GROUND FLOOR :- 73.11 SQ.MT. (787 SQ.FT.)
 STAIR COVER ROOM AREA :- 14.59 SQ.MT. (157 SQ.FT.)
 OFF-STREET CAR PARKING AREA :- 25.00 SQ.MT. (269 SQ.FT.) (2 NOS.)
 PROPOSED HEIGHT OF THE BUILDING - 12.50 M. FROM G.L.

SPECIFICATIONS
NOTES.
 1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M. & FIGURED DIMENSIONS ARE TO BE FOLLOWED.
 2. THIS DRG. SHALL BE READ IN CONJUNCTION WITH LATEST ARCH. DWG.
 3. GRADE FOR REINFORCEMENT CONCRETE SHALL BE M-25 FOR FOUNDATION AND SUPER STRUCTURE.
 4. ALL REINFORCEMENT SHALL BE OF H.Y.S.D. BARS Fe-500 CONFORMING TO IS:1786 - 2008.
 5. UNLESS SPECIFIED OTHERWISE, NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED / SPLICED AT ANY SECTION.
 6. UNLESS SPECIFIED OTHERWISE, THE MINIMUM CLEAR CONCRETE COVER FOR PROTECTION OF REINFORCEMENT SHALL BE AS FOLLOWS:-

ITEMS	TOP
FOUNDATION	50
TIE / FLOOR BEAM	30
COLUMN	-
FLOOR / WAIST SLAB	20

7. UNLESS SPECIFIED OTHERWISE, ALL HOOKS, BENDS, LAPS, SPLICES ETC. SHALL BE AS PER LATEST IS:456 AND OTHER RELEVANT INDIAN STAND.
 8. ANY DISCREPANCY OBSERVED BETWEEN THIS STRUC. DWG. AND RELEVANT ARCH. DWG. SHALL BE BROUGHT TO THE NOTICE AND GET RECONCILED BEFORE EXECUTION.
 9. THE NET BEARING PRESSURE FOR FOUNDATION DESIGN HAS BEEN KEPT WITHIN 8.0 T/M² AT 1.5 M. BELOW E.G.L.

DECLARATION OF STRUCTURAL ENGINEER.
 I CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE G+III STORED BUILDING HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT AS PER THE RULES AND REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL POSSIBLE LOADS (SEISMIC LOAD AND MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER THE BUREAU OF INDIAN STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.

SIGNATURE OF STRUCTURAL ENGINEER.

DECLARATION OF ARCHITECT
 I CERTIFY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF W.B. MUNICIPAL (BUILDING) RULE 2007 AS AMENDED FROM TIME TO TIME AND AS PER THE SITE CONDITION WHEREIN THE PLOT IS BOUNDED BY BOUNDARY WALLS AND PILLARS AND IT CONFIRMS WITH THE PLAN. IT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP TANK.

SIGNATURE OF ARCHITECT

SIGNATURE OF OWNER

SHEET NO. 1