

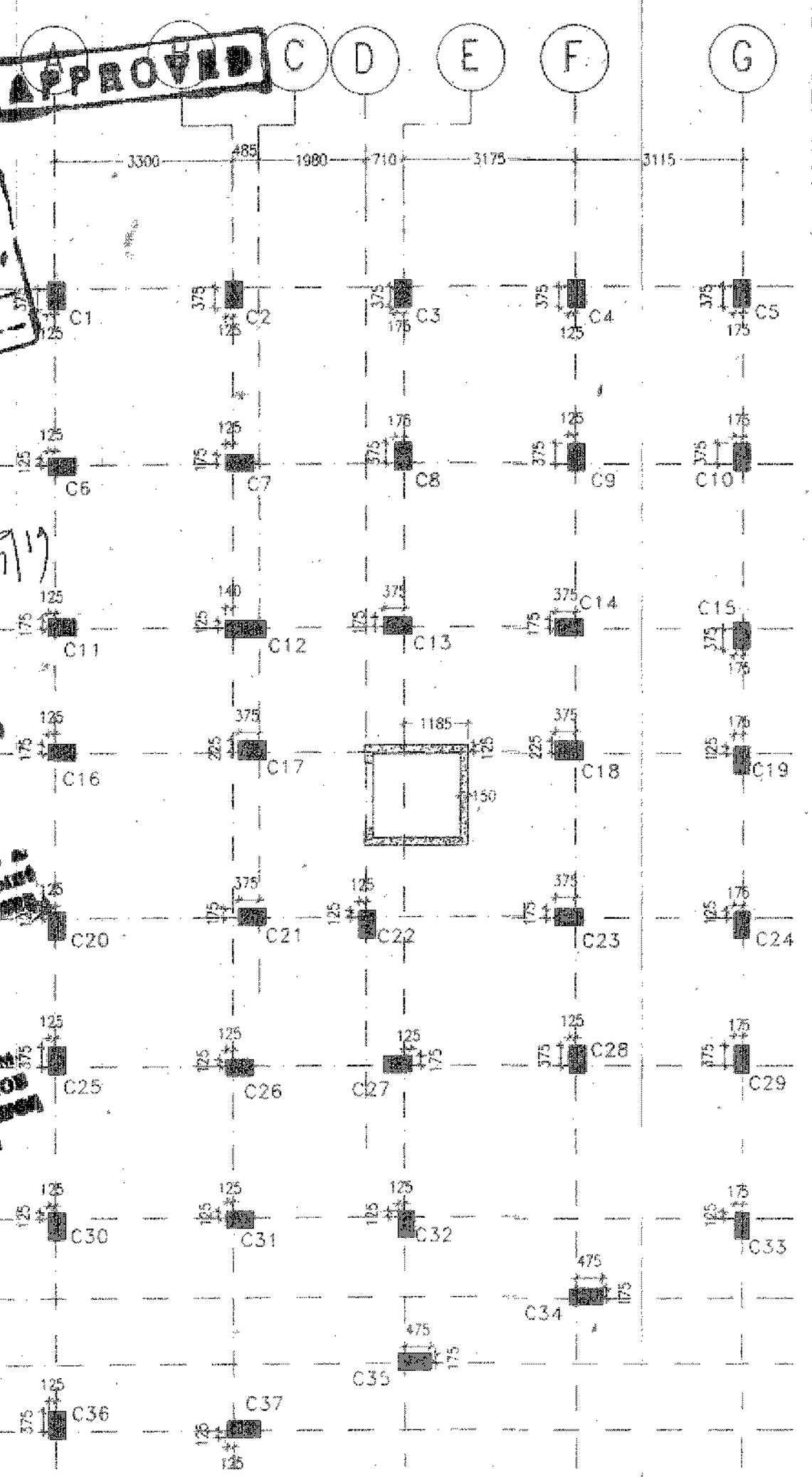
PLAN No. CD 516/18
 RB/CB/18/P/10/10/1
 APR 15 2019
 Date: 15.06.2019

Commissioner
 Durgapur Municipal Corporation
 Moulai Lal Majee,
 Planner in Charge, Building Plan,
 Durgapur Municipal Corporation

APPROVED
 BUILDING PLAN REGULATIONS
 1974

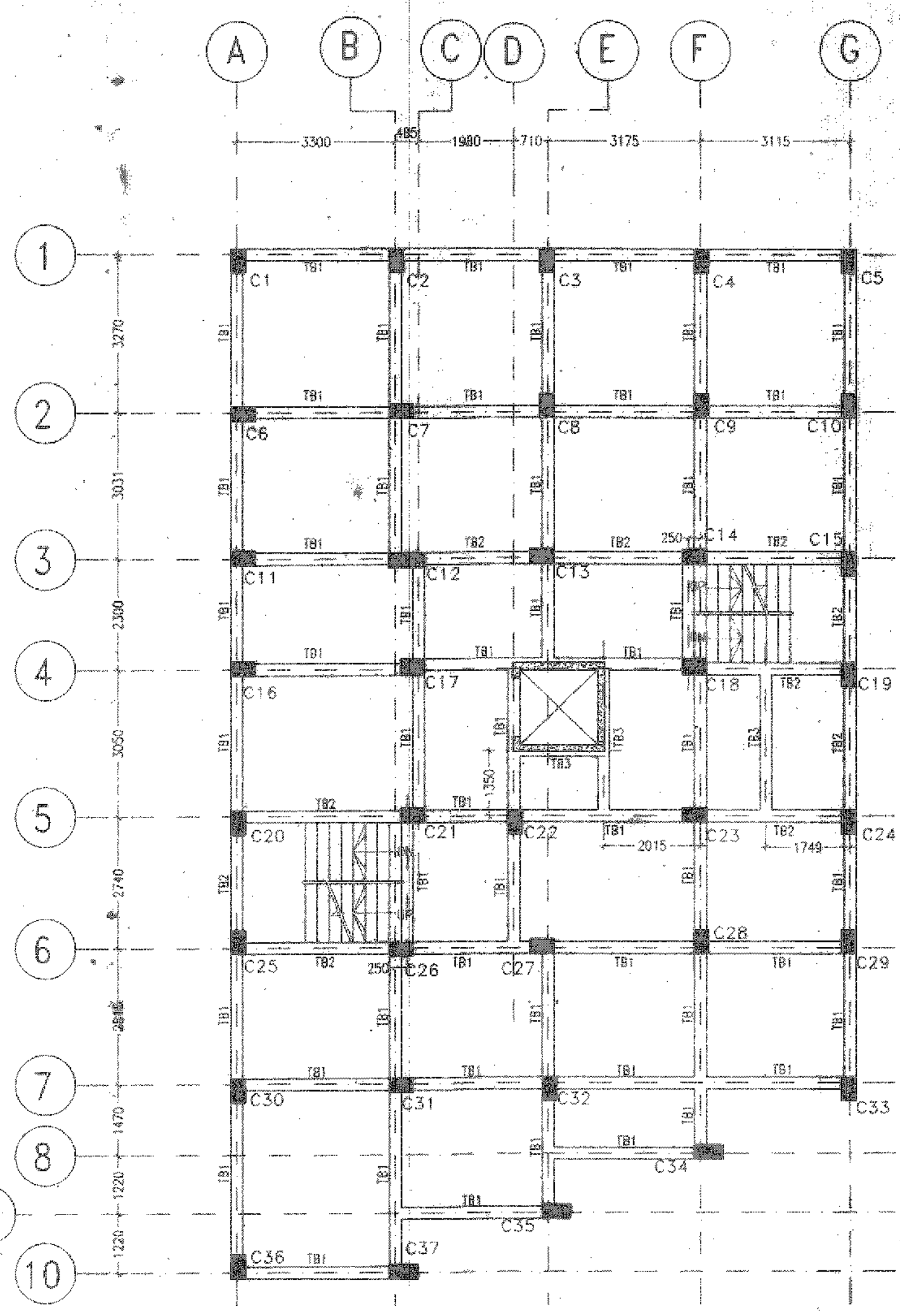
BUILDING PLAN APPROVED
 ON THE BASIS OF THE INDEMNITY
 ACTY BOARD, LAND MUTATION
 & CONVERSION UNDER
 SANCTION OF 22/03/2019

1
2
3
4
5
6
7
8
9
10

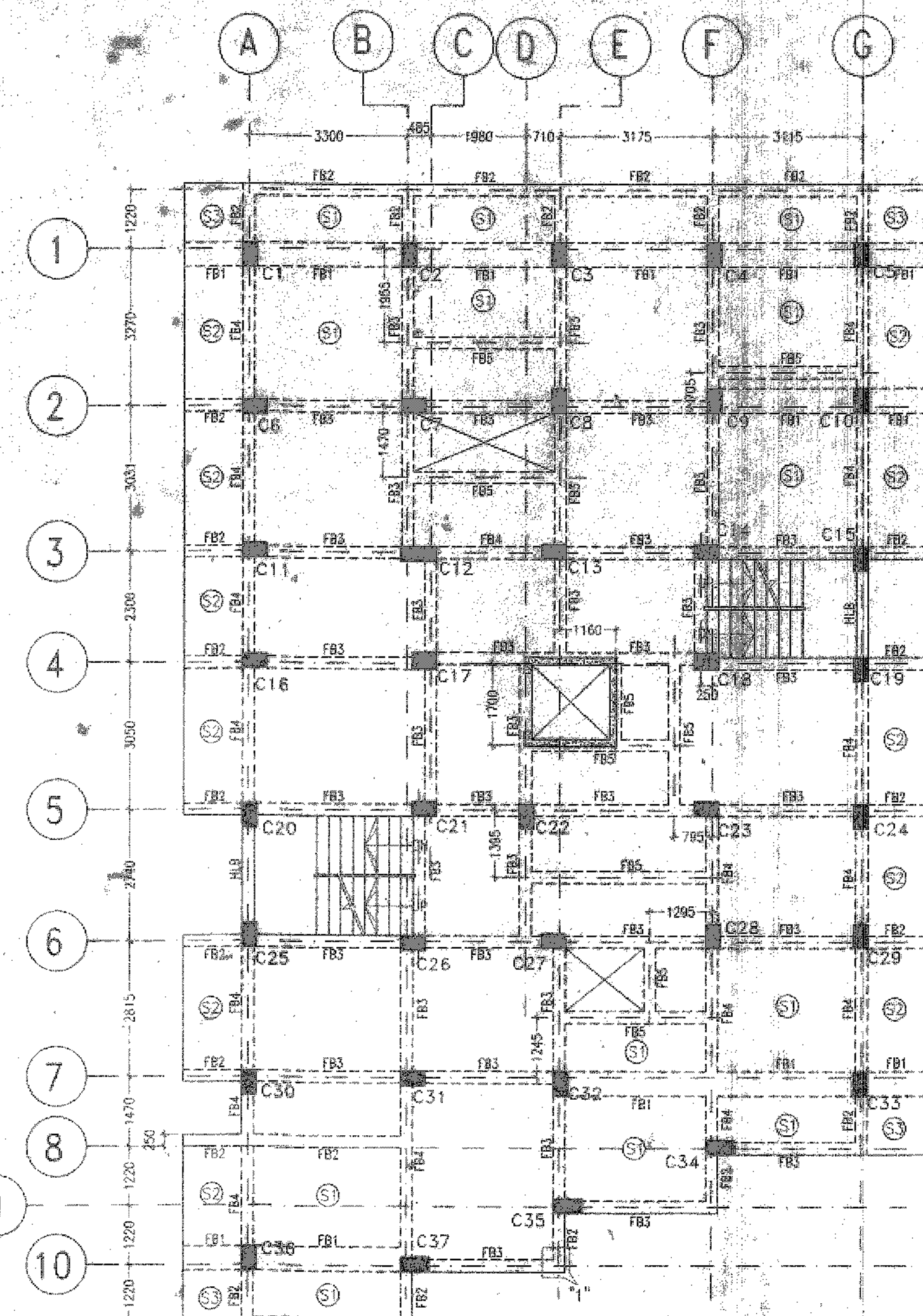
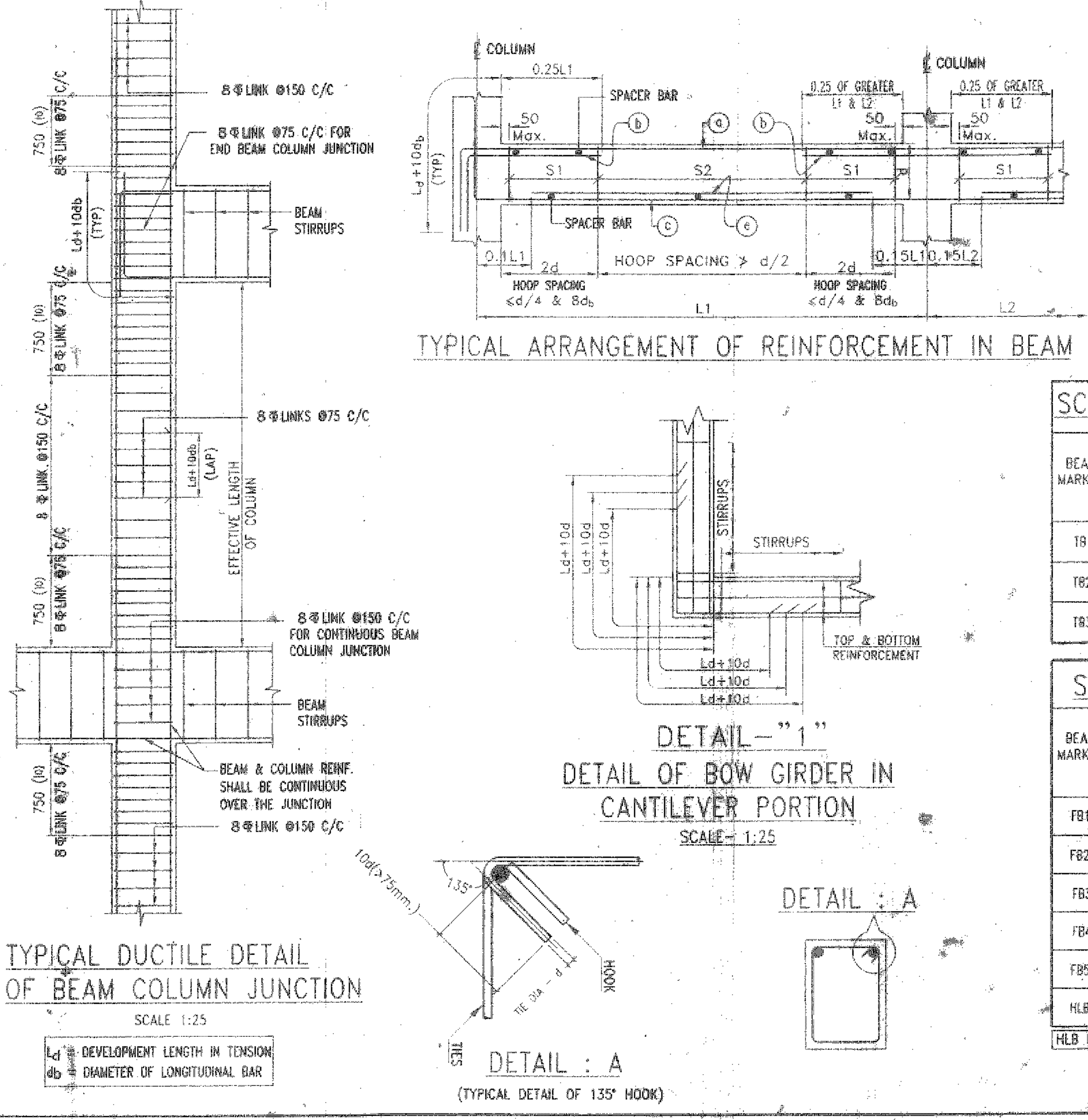


COLUMN LAYOUT PLAN
 SCALE - 1:100

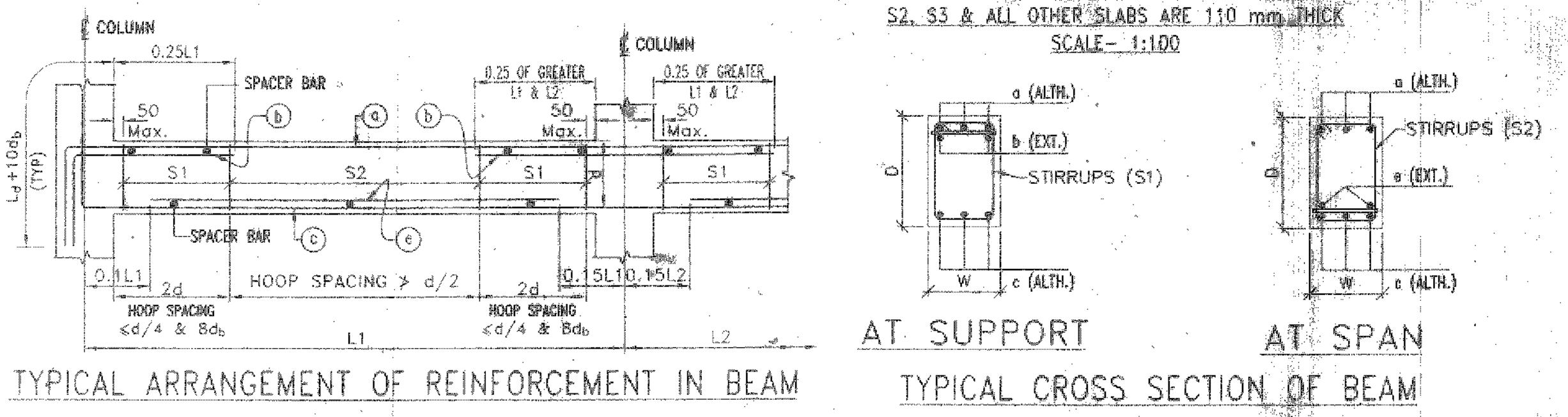
SCHEDULE OF COLUMNS				
COLUMN MARKED	NOS. OF COLUMNS	COLUMN SIZE (mm x mm)	FOUNDATION TO ROOF AND ABOVE ROOF	
			NEAR JUNCTION (10)	REST PORTION
C12	01	300x750	 MAIN RNF. :- 4-16 ϕ + 10-12 ϕ 8 ϕ 075 C/C (4 NOS. CLOSED LINK)	 8 ϕ 0150 C/C (4 NO. CLOSED LINK)
C17, C18	02	350x500	 MAIN RNF. :- 4-16 ϕ + 8-12 ϕ 8 ϕ 075 C/C (3 NOS. CLOSED LINK)	 8 ϕ 0150 C/C (3 NOS. CLOSED LINK)
C34, C35, C37	03	300x600	 MAIN RNF. :- 4-16 ϕ + 8-12 ϕ 8 ϕ 075 C/C (3 NOS. CLOSED LINK)	 8 ϕ 0150 C/C (3 NOS. CLOSED LINK)
C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C13, C14, C15, C16, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C36	31	300x500	 MAIN RNF. :- 4-16 ϕ + 8-12 ϕ 8 ϕ 075 C/C (3 NOS. CLOSED LINK)	 8 ϕ 0150 C/C (3 NOS. CLOSED LINK)
STOOL COLUMN S11, S12, S13, S14, S15 (ROOF TO L.W.R. ROOF SLAB)	05	250x250	 MAIN RNF. :- 4-16 ϕ 8 ϕ 0150 C/C (1 NO. CLOSED LINK)	 8 ϕ 0150 C/C (1 NO. CLOSED LINK)



TIE BEAM LAYOUT PLAN AT LEVEL (±) 0.0 m.
 SCALE - 1:100



TYPICAL FLOOR BEAM AND SLAB LAYOUT PLAN
 AT LEVEL (+) 2.90m, 5.80m, 8.70m, 11.60m, 14.50m
 S1 MARKED SLABS ARE 150 mm THICK
 S2, S3 & ALL OTHER SLABS ARE 110 mm THICK
 SCALE - 1:100



SCHEDULE OF TIE BEAMS						
BEAM MARKED	BEAM SIZE (mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)
		ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN	
TB1	250 x 450	2-16 ϕ	+	2-16 ϕ	+	2L-8 ϕ 0100 C/C
TB2	250 x 450	3-16 ϕ	-	3-16 ϕ	-	2L-8 ϕ 0100 C/C
TB3	250 x 400	2-16 ϕ	+	2-16 ϕ	+	2L-8 ϕ 0100 C/C

SCHEDULE OF TYPICAL FLOOR & HALF LANDING BEAMS						
BEAM MARKED	BEAM SIZE (mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)
		ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN	
FB1	500 x 300	4-16 ϕ	-	4-16 ϕ	-	2L-8 ϕ 0100 C/C
FB2	250 x 450	3-16 ϕ	-	3-16 ϕ	-	2L-8 ϕ 0100 C/C
FB3	250 x 450	3-16 ϕ	-	3-16 ϕ	-	2L-8 ϕ 0100 C/C
FB4	250 x 450	3-16 ϕ	2-12 ϕ	3-16 ϕ	-	2L-8 ϕ 0100 C/C
FB5	250 x 400	2-16 ϕ	+	2-16 ϕ	+	2L-8 ϕ 0100 C/C
HLB	250 x 450	3-16 ϕ	-	3-16 ϕ	-	2L-8 ϕ 0100 C/C

SPECIAL NOTES
 THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING ANG. BLOCS. FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.

NOTES :-

- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
- ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER. EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH).
- ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500D CONFORMING TO IS-1786-2008.
- UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 50xBAR DIA.
- CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
 - i) COLUMNS : 40 mm
 - ii) BEAMS : 30 mm
 - iii) SLABS : 20 mm
 - iv) WAIST SLAB : 20 mm
- GRADE OF CONCRETE FOR SUPERSTRUCTURE & SUBSTRUCTURE WILL BE M25 AS PER IS:456:2000.
- VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
- DEVELOPMENT LENGTH 50xD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
- WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 50D IN THE SUPPORTING MEMBER.
- WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDES.
- WHEN TWO SLAB PANELS MEET ALONG A COMMON BEAM THEN THE TOP REINFORCEMENT TO BE PROVIDED FOR BOTH THE PANELS SHOULD BE THE HIGHER ONE AMONG THE TABULATED VALUES FOR THE INDIVIDUAL PANELS.
- IN ALL CANTILEVER SLABS WITHOUT PERIPHERAL BEAMS THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UP TO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT SLAB.

TITLE
 STRUCTURAL DRAWING OF PROPOSED G+5 STORIED RESIDENTIAL (APARTMENT) BUILDING OF BLUE ONYX PVT. LTD., OVER R.S. PLOT NO.- 780, L.R. PLOT NO. - 726, KHATIAN NO.- 7276, MOUZA - FULJHORE, J.L. NO- 107, P.S. - NEW TOWNSHIP, DIST- PASCHIM BURDWAN.
 * HOLDING NO. - N/118
 * ASSESSMENT NO. - 3309401124129
 * CIRCLE/WARD NO. - 25
 * ADDRESS: - ROAD - 72, FULJHORE, DGP-06

CERTIFICATE OF STRUCTURAL ENGINEER
 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 THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS.
 Soumyadip Dutta
 SOUMYADIP DUTTA
 B.TECH.(W.BUT)
 CIVIL ENGINEER, NKDA
 REG. NO. - 0767/NKDA/10/00374
 Chartered Engineer

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT
 I DO HEREBY CONFIRM AND CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME KEEPING THE PROVISION OF NBC OF INDIA AND CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECTS.
 VIJAYA SINGH
 DMC REGISTERED
 LIC. NO. - DMC/BPD/88
 933282106, 9478426700

SIGNATURE OF GEOTECHNICAL ENGINEER
 THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT
 SUBRADEEP CHAKRABORTI
 BSC (U), AIE (I), MGS
 Project GEO-Technical Engineer of NKDA
 NO. - GTER/NKDA/10/0029

SIGNATURE OF CHECKER & VETTER
 DR. DIPANKAR BANERJEE
 STRUCTURAL ENGINEER
 PROFESSIONAL MEMBER OF THE INDIAN INSTITUTE OF STRUCTURAL ENGINEERS
 15, 1/11, GURU NANAK DEVI ROAD, NEW DELHI
 110 028 (INDIA)
 (M) 9899888888, 9899888888
 (E) mail: drbanerjee@gmail.com

CERTIFICATE OF OWNER
 THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN. THIS IS CERTIFIED THAT I HAVE GONE THROUGH THE NBC OF INDIA AND ALSO ABIDE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.
 BLUE ONYX PRIVATE LIMITED
 Manoj Kumar
 Director

DRAWING TITLE
 COLUMN LAYOUT PLAN & REINFORCEMENT DETAILS, TIE, TYPICAL FLOOR BEAM AND SLAB LAYOUT PLAN & REINFORCEMENT DETAILS.

SCALE - 1:100 OR AS SHOWN
 DATE - 16.05.2019
 SHEET NO. - 2 OF 3