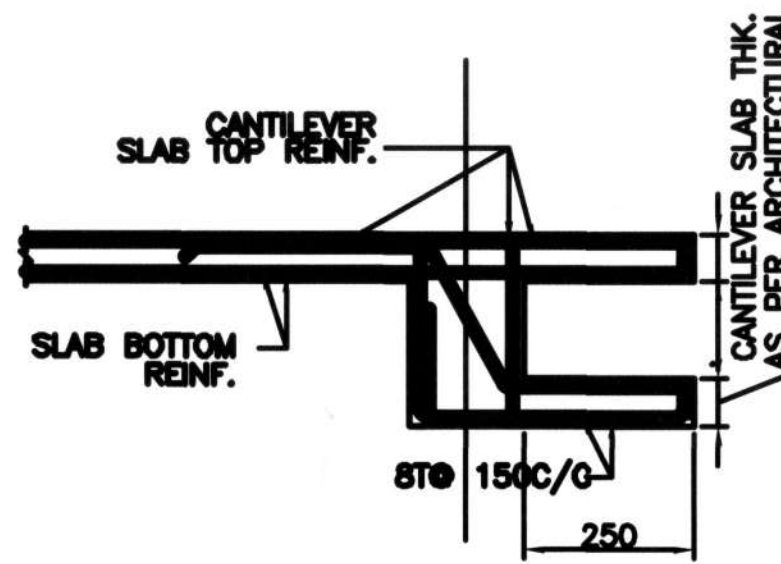


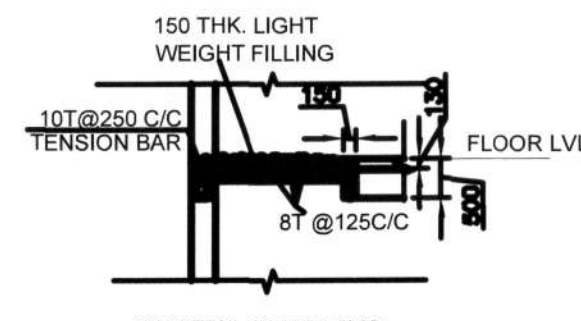
TYP. LONG SECTION OF BEAM

d= EFFECTIVE DEPTH OF BEAM



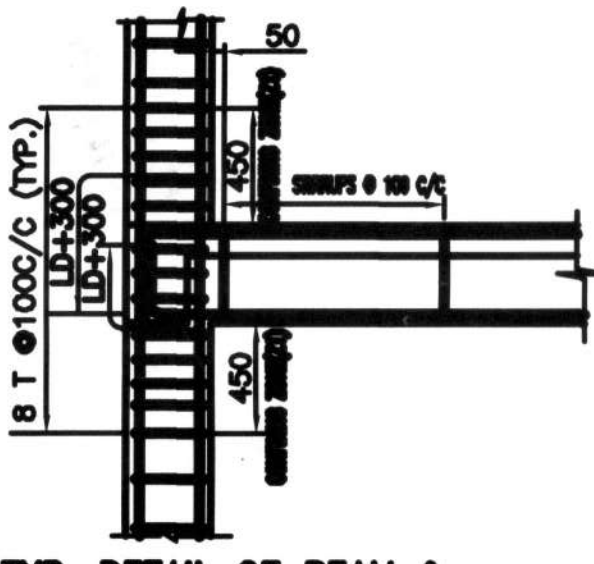
CANTILEVER SLAB REINF. DETAIL
SECTION A-A (AT 1ST FLOOR)

(FOR ACTUAL DIMENSION REF. ARCHITECTURAL DRAWINGS)

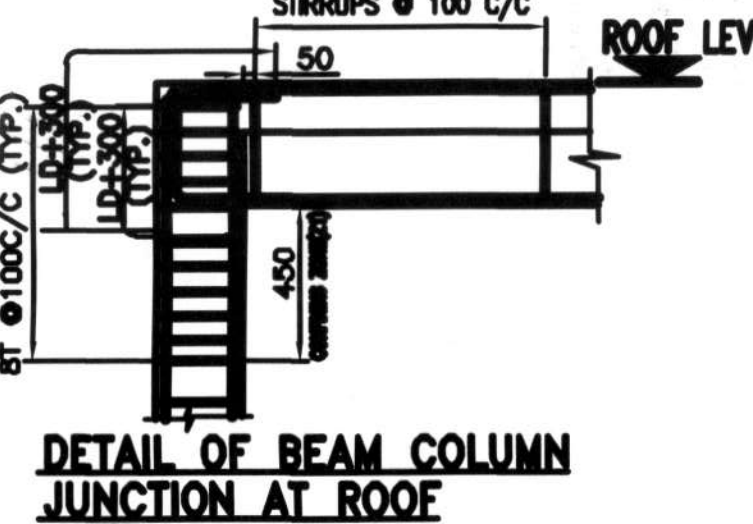


CANTILEVER SLAB REINF. DETAIL
SECTION E-E (AT 1ST FLOOR)

(FOR ACTUAL DIMENSION REF. ARCHITECTURAL DRAWINGS)



TYP. DETAIL OF BEAM &
COLUMN JUNCTION



DETAIL OF BEAM COLUMN
JUNCTION AT ROOF

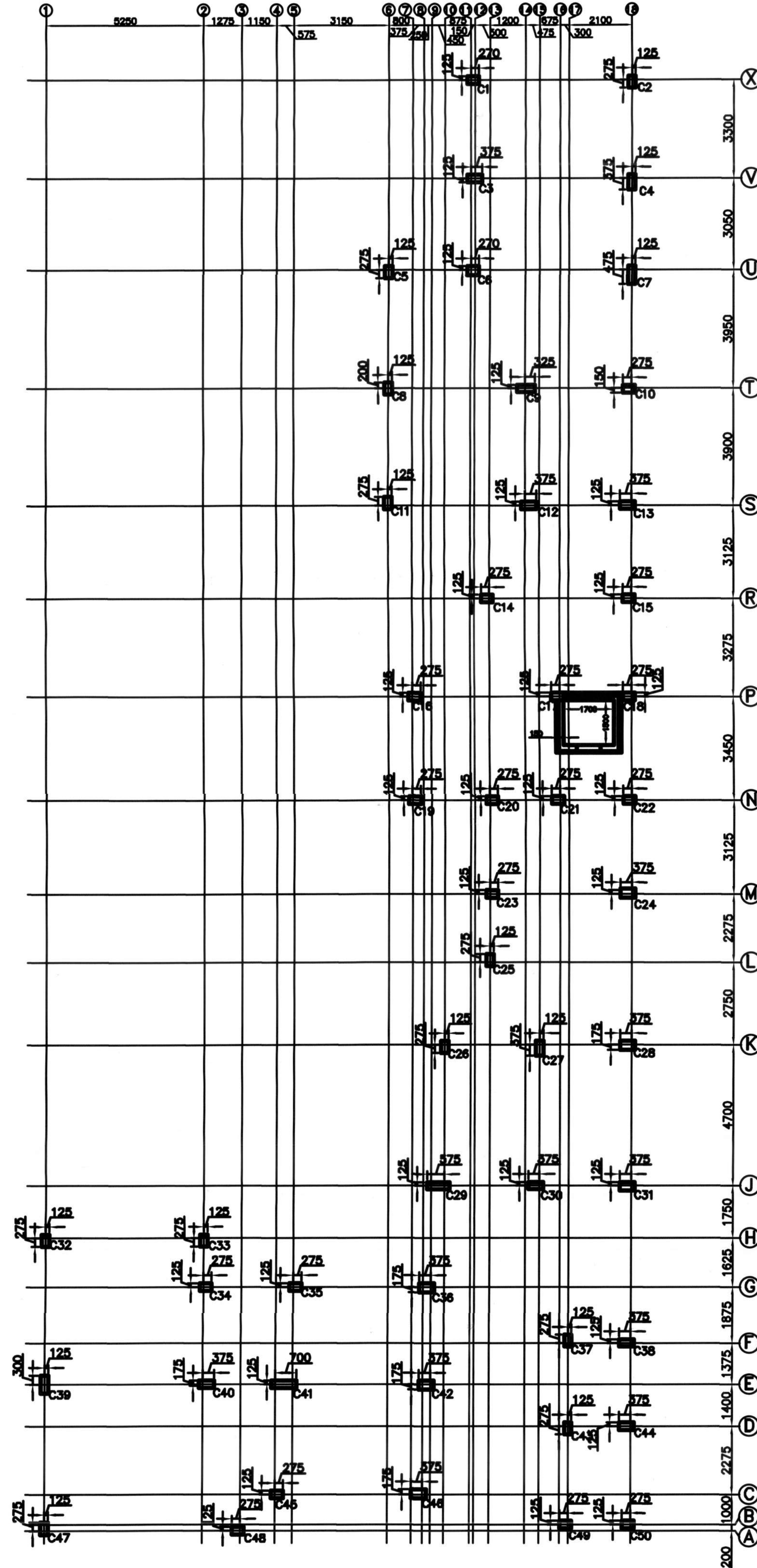
TIE BEAM SCHEDULE	GRADE OF CONCRETE M25	REINFORCEMENT									
		1	2	3	4	5	6	7	8	9	10
1											
2											

TIE BEAM SCHEDULE	GRADE OF CONCRETE M25	REINFORCEMENT									
		1	2	3	4	5	6	7	8	9	10
1											
2											

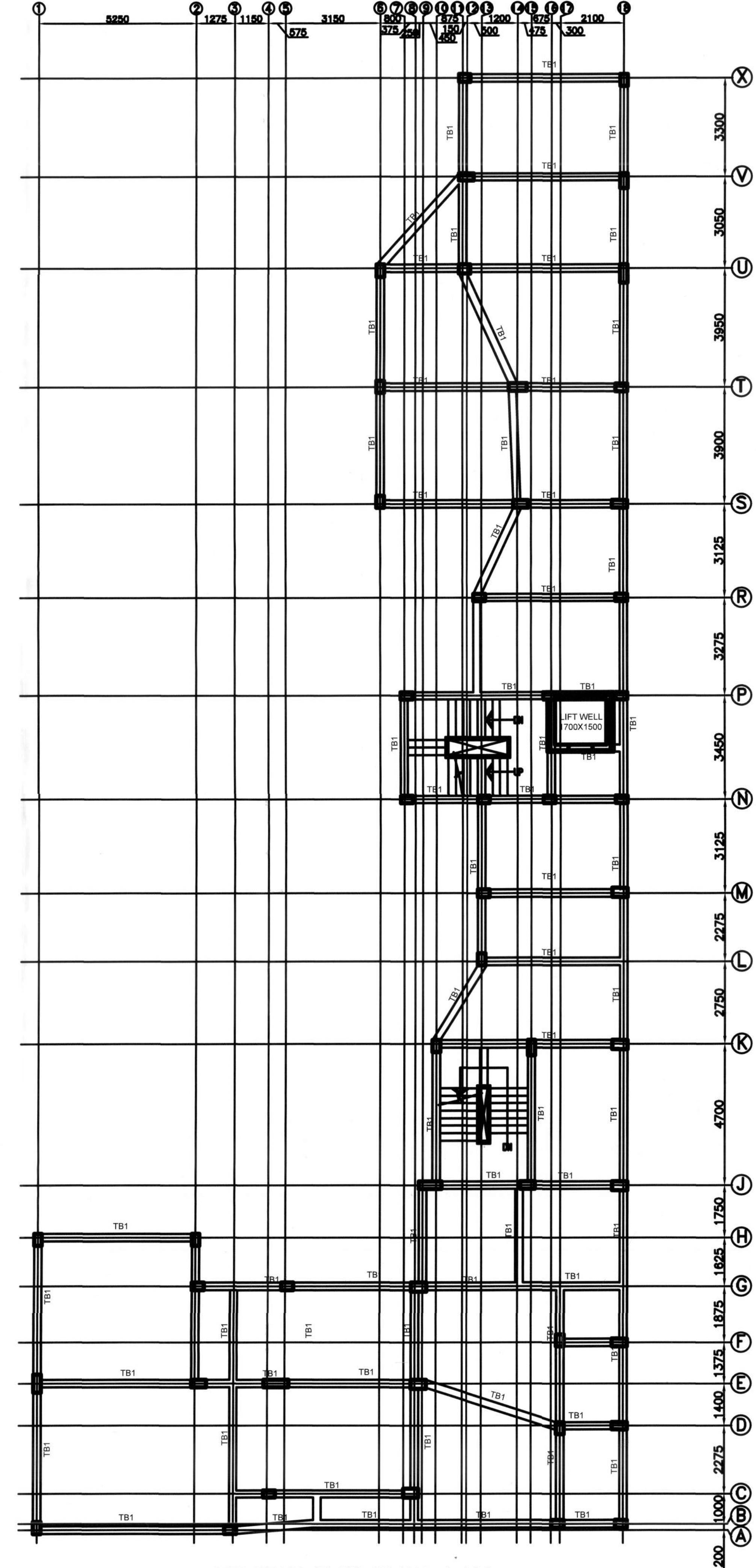
SCHEDULE OF FLOOR SLAB	SLAB THICKNESS (MM)	REINFORCEMENT									
		1	2	3	4	5	6	7	8	9	10
1											
2											

TYP. BEAM SCHEDULE	BEAM NUMBERS	SIZE	BOTTOM REINFORCEMENT				TOP REINFORCEMENT				SHEAR STIRRUPS			
			B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
1	B1	250	500		3-16T	3-16T+2-16T	3-16T	3-16T+2-16T	3-16T	3-16T+2-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
2	B2	250	500		3-16T	3-16T	3-16T	5-16T	5-16T	5-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
3	B3	250	500		3-16T	3-16T+2-16T	3-16T	3-16T+3-16T	3-16T	3-16T+3-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
4	B4	250	500		3-16T	3-16T	3-16T	6-16T	6-16T	6-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
5	B5	250	500		3-16T	3-16T+2-12T	3-16T	3-16T+2-12T	3-16T	3-16T+3-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
6	B6	250	500		2-16T	2-16T+2-12T	2-16T	2-16T	2-16T	2-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
7	B7	250	500		3-16T	3-16T+2-12T	3-16T	3-16T+2-12T	3-16T	3-16T+2-12T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
8	B8	250	500		3-16T	3-16T	3-16T	3-16T+2-12T	3-16T+2-12T	3-16T+2-12T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
9	B9	250	500		2-16T	2-16T+1-16T	2-16T	2-16T+1-16T	2-16T	2-16T+1-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
10	B10	250	500		3-16T	3-16T	2-16T	3-16T	3-16T	3-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
11	B11	250	500		3-16T	3-16T+2-12T	3-16T	3-16T+3-16T	3-16T	3-16T+4-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
12	B12	250	500		3-16T	3-16T	3-16T	7-16T	7-16T	7-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
13	B13	160	300		2-12T	2-12T+2-12T	2-12T	2-12T	2-12T	2-12T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
14	B14	250	500		3-16T	3-16T+2-12T	3-16T	3-16T+2-12T	3-16T	3-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
15	B15	250	500		2-16T	2-16T+2-12T	2-16T	2-16T	2-16T	2-16T+1-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
16	B16	250	500		3-16T	3-16T+2-16T	3-16T	3-16T	3-16T	3-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
17	B17	250	500		3-16T	3-16T+3-16T	3-16T	3-16T+3-16T	3-16T	3-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
18	B18	250	500		3-16T	3-16T+2-12T	3-16T	3-16T+2-12T	3-16T	3-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
19	B19	250	500		2-16T	2-16T+2-16T	2-16T	2-16T+1-16T	2-16T	2-16T+1-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	
20	BR1	200	300		2-12T	2-12T	2-12T	2-12T	2-12T	2-12T	8T 2L@100 C/C	8T 2L@100 C/C	8T 2L@100 C/C	
21	BR2	125	200		2-12T	2-12T	2-12T	2-12T	2-12T	2-12T	8T 2L@100 C/C	8T 2L@100 C/C	8T 2L@100 C/C	

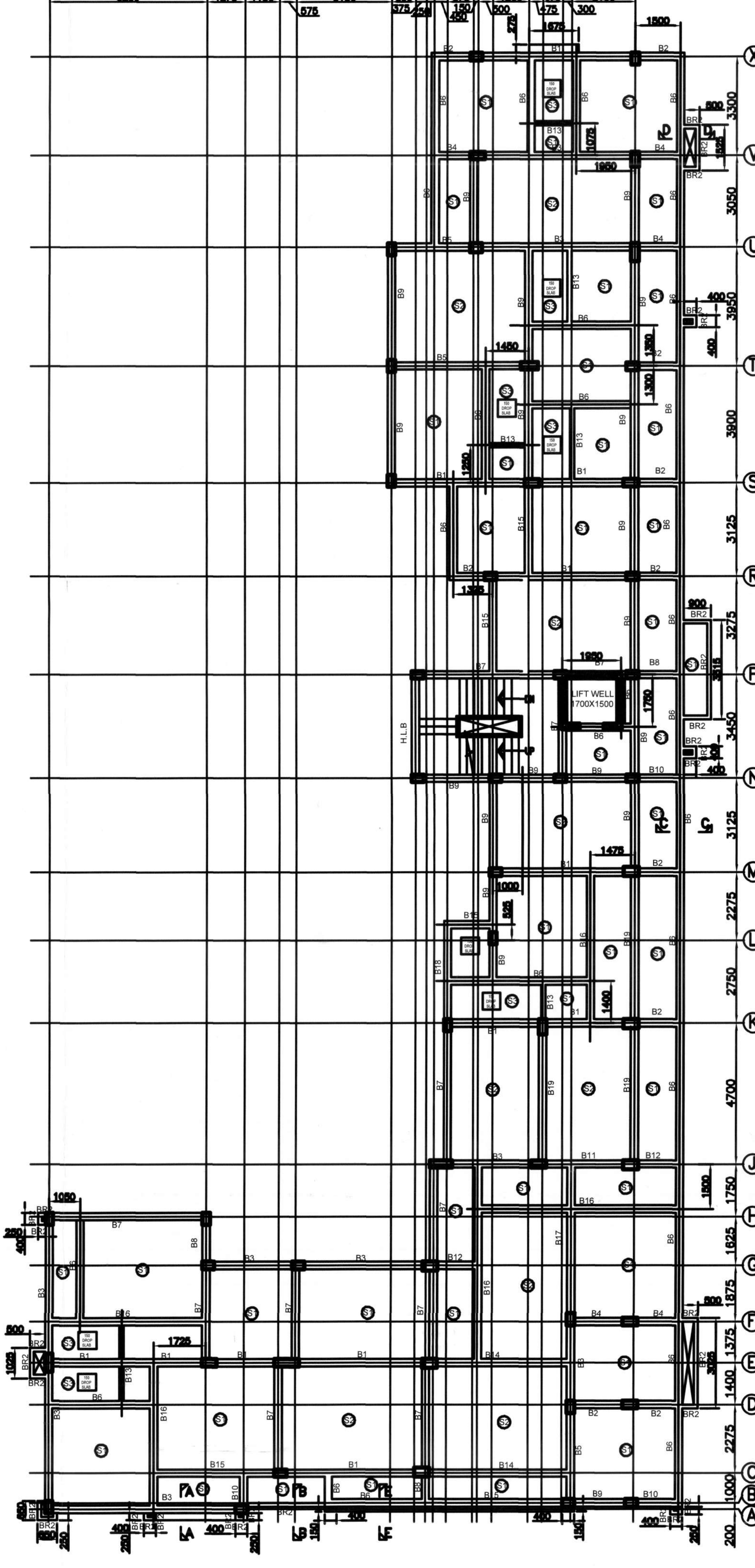
HALF LANDING BEAM SCHEDULE	BEAM	SIZE	BOTTOM REINFORCEMENT				TOP REINFORCEMENT				SHEAR STIRRUPS			
			B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
1	H.L.B	250	500		2-16T	2-16T+2-16T	2-16T	2-16T+2-16T	2-16T	2-16T+2-16T	8T 2L@100 C/C	8T 2L@150 C/C	8T 2L@100 C/C	



COLUMN LAYOUT PLAN
SCALE- 1:100



TIE BEAM PLAN SCALE-1:100
TIE BEAM LVL. AT -150



TYPICAL FLOOR BEAM PLAN SCALE-1:100

DRAWING TITLE
STRUCTURAL DETAILS
(SHEET 1 OF 6)

WINDOW SCHEDULE			
NO.	WELL	WELL	WELL
W1	0.6	0.6	0.6
W2	0.6	0.6	0.6
W3	0.6	0.6	0.6
W4	0.6	0.6	0.6
W5	1.05	0.6	0.6
W6	1.05	0.6	0.6
W7	0.75	0.6	0.6

DOOR SCHEDULE			
NO.	WELL	WELL	WELL
D1	0.6	0.6	0.6
D2	0.6	0.6	0.6
D3	0.6	0.6	0.6
D4	0.6	0.6	0.6
D5	0.6	0.6	0.6
D6	0.6	0.6	0.6

- GENERAL NOTES:
1. All dimensions are in mm UNO.
 2. Do not scale the drawing, follow written dimension only.
 3. All dimensions are to be checked at site before commencement of work.
 4. Walls are 200 & 125 thick (1/4). Floor to floor height is 2.85 m.
 5. This drawing shall be read in conjunction with relevant Architectural & Structural drawing.
 6. All bars shall be HYSD / TMT bars of grade Fe500 and conforming to IS 1786:1985.
 7. All concrete shall be M25 UNO.
 8. Proper mixing of different ingredients of concrete should be ensured with desired compaction after laying.
 9. Clear cover to be kept as follows:- Footing & Pedestal: 50 mm, Column: 40 mm, Beam: 20 mm & Slab: 20 mm.
 10. All main reinforcement shall be embedded in support with suitable development length.
 11. 300 mm and filling to be done below Foundation with proper compaction.
 12. All columns should be extended up to 1.5 m with lean concrete (M10) for future extension if construction of column stop before completion.

PROJECT TITLE

COMPLETION G+5 STORED RESIDENTIAL APARTMENT BUILDING SITUATED AT S.K. SAHANA ROAD, KENDUADIHI on Plot No - 244 /1409 (R.S) , Khatian No - 9442 ,DAG NO -1568,1569,1570, WARD NO -22 Mouza- KENDUADIHI , Holding No - 105/A J.L.No - 213 Under Bankura Municipality, P.S + DIST. - Bankura.

CERTIFICATE THAT I HAVE BEEN EMPLOYED AS ARCHITECT/ LICENSED BUILDING SURVEYOR -I/A/ STRUCTURAL ENGINEER -I/A/ STRUCTURAL ENGINEER AND TECHNICAL ENGINEER -I/A FOR THE PROPOSED G+5 STORED RESIDENTIAL APARTMENT BUILDING SITUATED AT S.K. SAHANA ROAD, KENDUADIHI ON PLOT NO. 244/1409 (R.S.) Khatian No. 9442, DAG NO. 1568, 1569, 1570, WARD NO. 22, SAHANA ROAD, KENDUADIHI, DIST. - BANKURA, JALPAIGURI, WEST BENGAL, INDIA. AS PER THE WEST BENGAL MUNICIPAL BUILDING RULES, 2007 (AMENDED). WE UNDERTAKE TO WORK IN CLOSE ASSOCIATION WITH EACH OTHER AND WILL BE INDIVIDUALLY AND/OR COLLECTIVELY RESPONSIBLE FOR ENSURING THE SAFETY OF THE BUILDING AS A WHOLE. CERTIFIED THAT THE SITE HAS BEEN PERSONALLY INSPECTED WHILE PLANNING THE BUILDING AND FOR ENSURING THE STRUCTURAL INTEGRITY OF FOUNDATION AND SUPER STRUCTURE, AS WELL AS HAS TAKEN INTO ACCOUNT THE PRESENCE OF AN RECOMMENDATION OF STABILITY ANALYSIS, SOIL TEST REPORT, LAND TEST RESULTS AND OTHER CONDITIONS, P. AND, AS AND WHEN NECESSARY UNDER THESE RULES INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL. CONFORMING TO SPECIFICATIONS OF ALL LATEST RELEVANT IS CODES OF PRACTICE AND NATIONAL BUILDING CODE.

Avik Kr. Haldar
Empowered Geo-Technical Engineer
License No. 0917722023040
Bankura Municipality

Avik Kr. Haldar
Empowered Structural Engineer
License No. 0917P485123043
Bankura Municipality

Good Chakraborty

SIGNATURE OF OWNER(S)

Shirindu Patra
ARCHITECT
LIC NO. CA/2018/80460
Newelife Engineering

SIGNATURE OF ARCHITECT

Nabin Chandra Das
B.E. (Civil), M.Tech
Structure Engineer
Empowered under 400
Empowered No. 2241

SIGNATURE OF STRUCTURAL ENGINEER

Copy of order passed the Chairperson
of Bankura Municipality on
Application No. 21186
of 20.24/20.25 Dated 11.09.24
Presented by. Gombab Choudhury
of ward No. 22 Supplying
for permission to. Approve of 6+5 storied commercial
A Residential Apartment building.

Approved

22/11/24
Chairperson
Bankura Municipality


22/10/2024