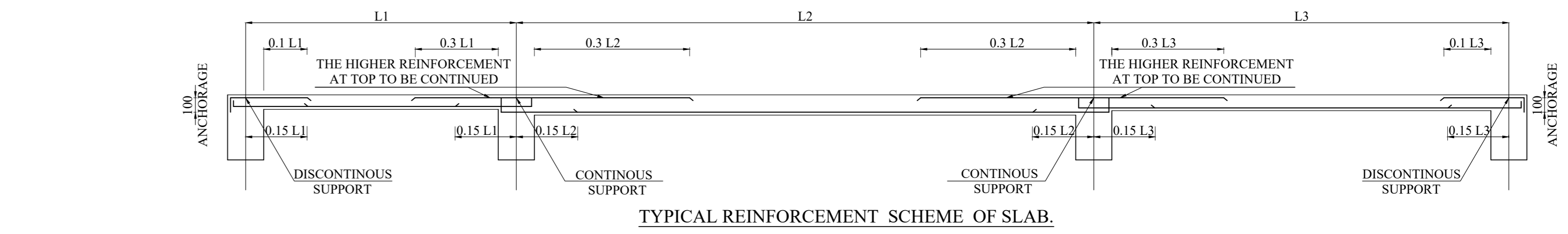
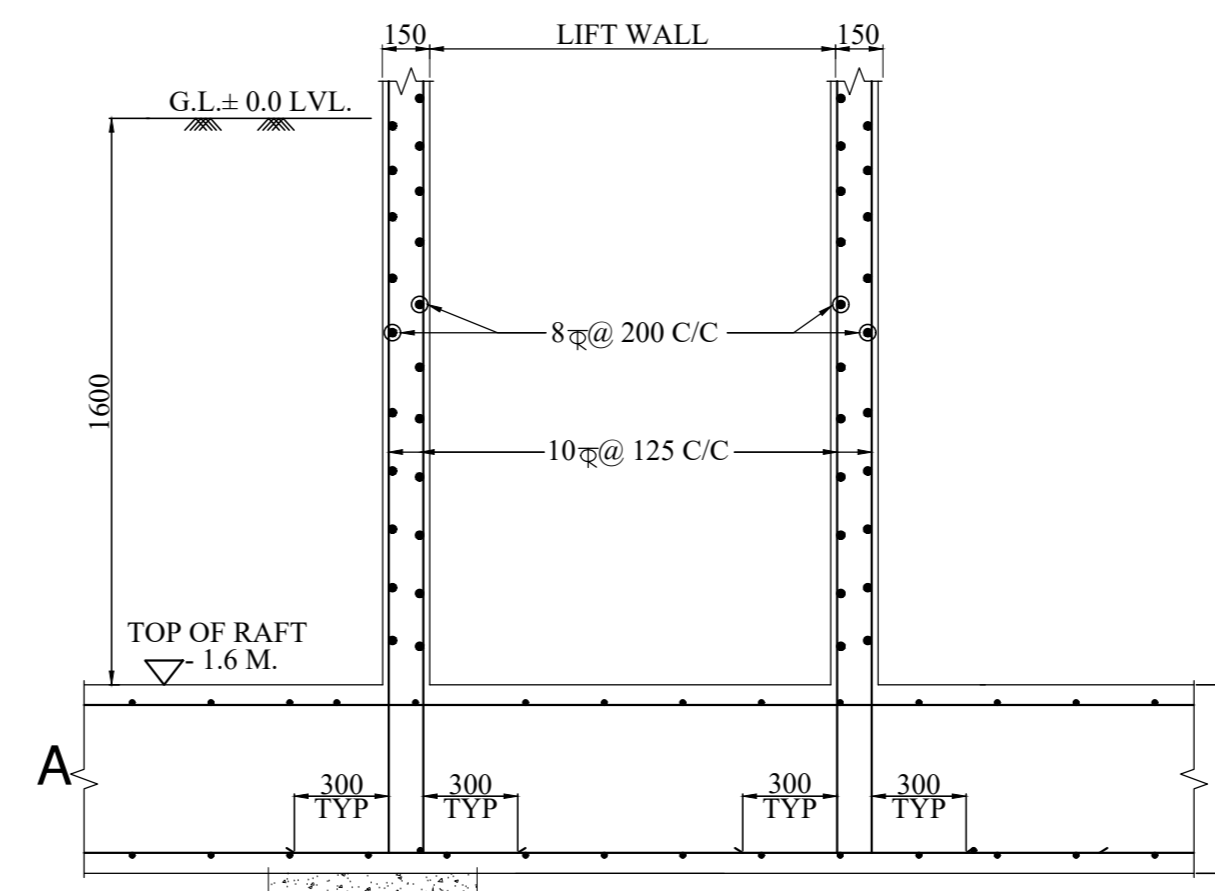


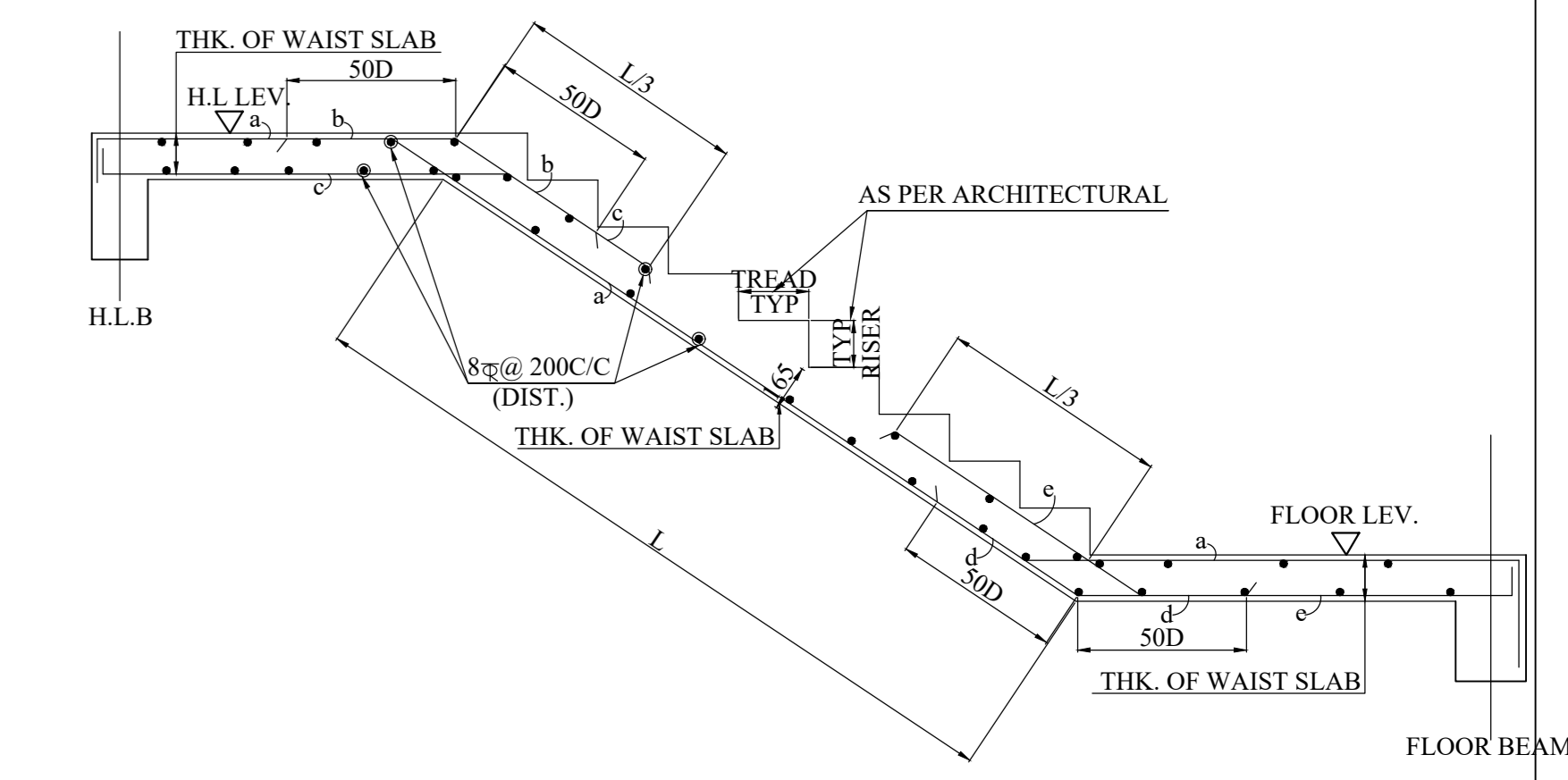
TYP. DETAIL OF RAFT FOUNDATION  
SECTION B-B



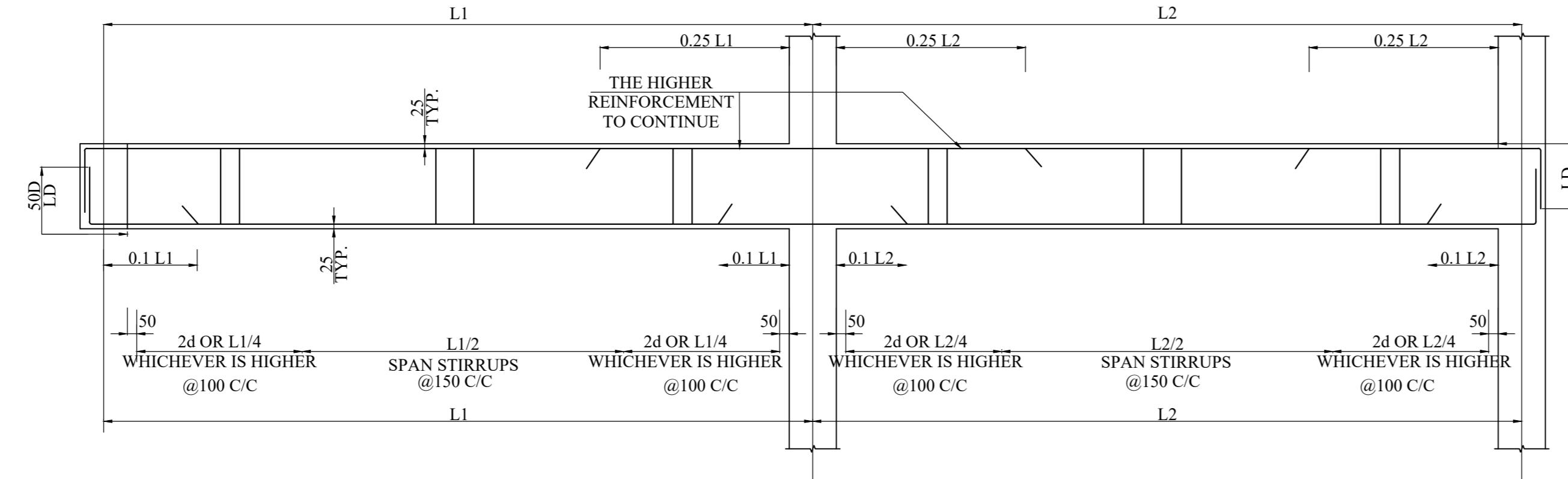
TYPICAL REINFORCEMENT SCHEME OF SLAB



REINFORCEMENT SHOWING IN  
SECTION ON - C-C



TYPICAL REINFORCEMENT ARRANGEMENT OF STAIR

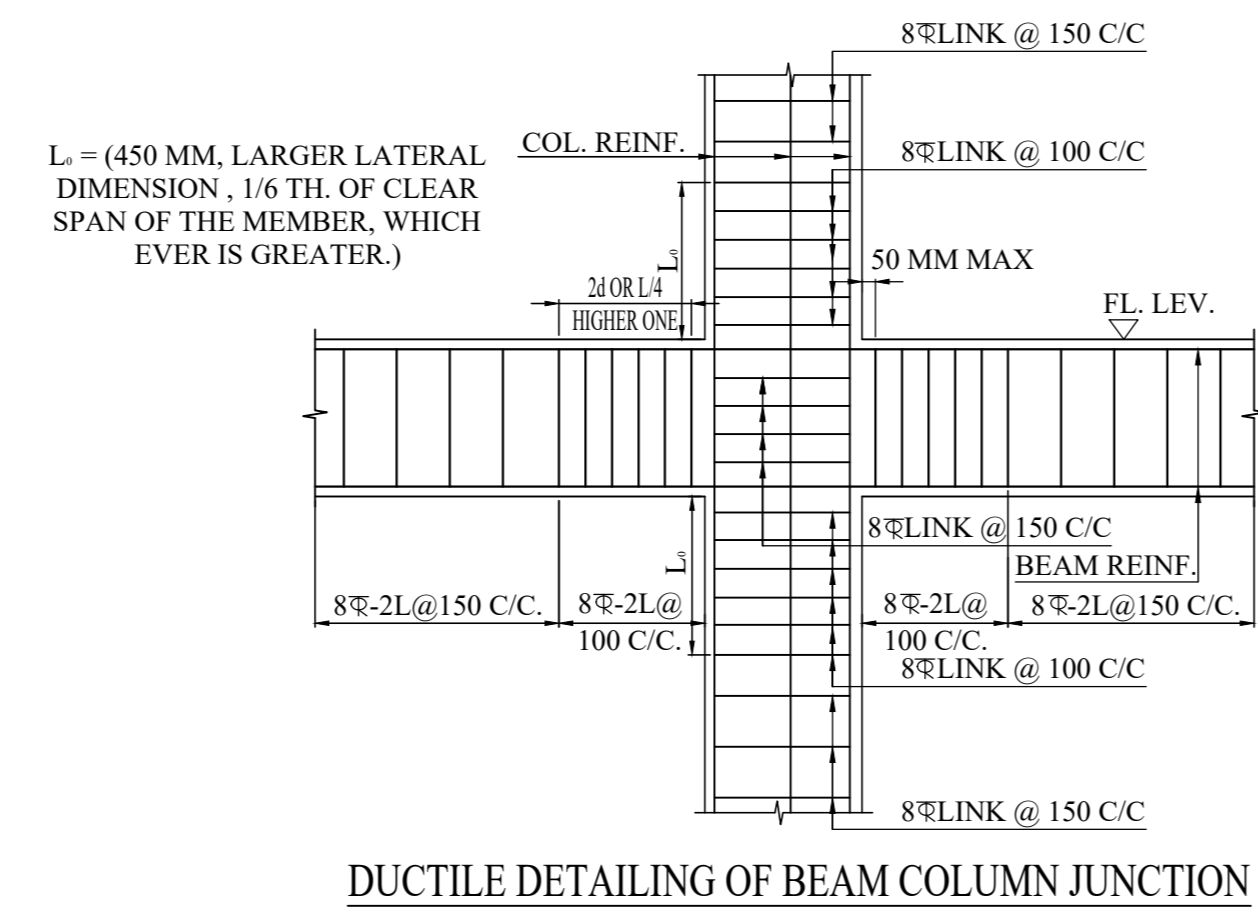


TYPICAL REINFORCEMENT SCHEME OF FLOOR BEAMS

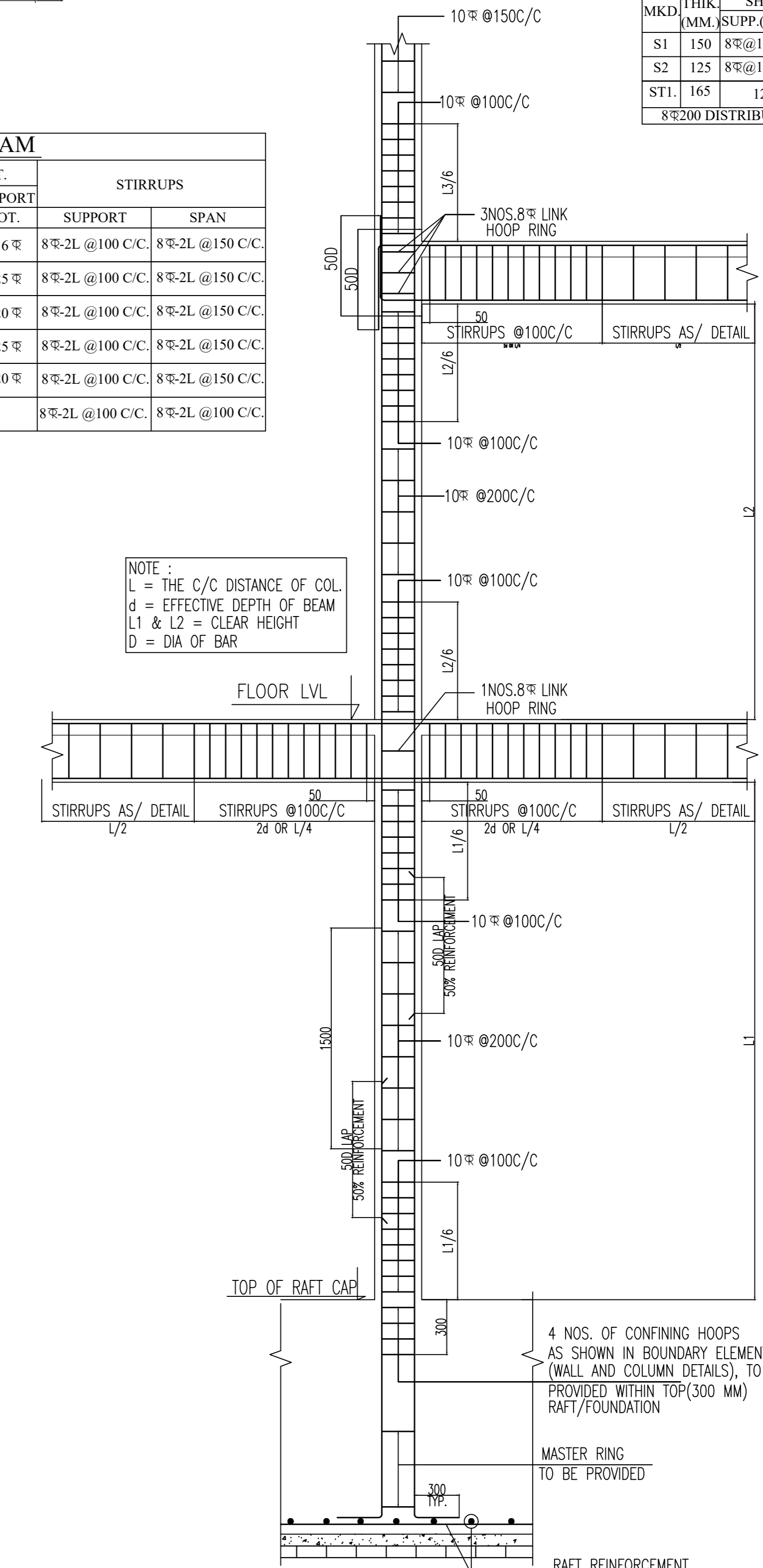
BEAM MKD.	BEAM SIZE	MAIN REINFORCEMENT						STIRRUPS	
		CONT. SUPPORT	SPAN	DISCONT. SUPPORT	TOP	BOT.	SUPPORT	SPAN	
B1	250X550	2-16 <sup>top</sup> 3-20 <sup>bot</sup>	2-16 <sup>top</sup> 2-16 <sup>bot</sup>	6-20 <sup>top</sup> 2-16 <sup>bot</sup>	2-16 <sup>top</sup> 2-16 <sup>bot</sup>	2-16 <sup>top</sup> 2-16 <sup>bot</sup>	8 <sup>top</sup> -2L @ 100 C/C	8 <sup>top</sup> -2L @ 150 C/C	
B2	250X550	2-16 <sup>top</sup> 3-25 <sup>bot</sup>	2-16 <sup>top</sup> 2-16 <sup>bot</sup>	3-25 <sup>top</sup> 2-16 <sup>bot</sup>	2-16 <sup>top</sup> 3-25 <sup>bot</sup>	3-25 <sup>top</sup> 2-16 <sup>bot</sup>	8 <sup>top</sup> -2L @ 100 C/C	8 <sup>top</sup> -2L @ 150 C/C	
B3	250X550	2-16 <sup>top</sup> 1-20 <sup>bot</sup>	2-16 <sup>top</sup> 2-16 <sup>bot</sup>	3-20 <sup>top</sup> 2-16 <sup>bot</sup>	2-16 <sup>top</sup> 3-20 <sup>bot</sup>	3-20 <sup>top</sup> 2-16 <sup>bot</sup>	8 <sup>top</sup> -2L @ 100 C/C	8 <sup>top</sup> -2L @ 150 C/C	
B4	250X550	2-16 <sup>top</sup> 3-25 <sup>bot</sup>	2-16 <sup>top</sup> 2-16 <sup>bot</sup>	3-25 <sup>top</sup> 2-16 <sup>bot</sup>	2-16 <sup>top</sup> 3-25 <sup>bot</sup>	3-25 <sup>top</sup> 2-16 <sup>bot</sup>	8 <sup>top</sup> -2L @ 100 C/C	8 <sup>top</sup> -2L @ 150 C/C	
B5	250X550	4-16 <sup>top</sup> 4-20 <sup>bot</sup>	4-16 <sup>top</sup> 4-20 <sup>bot</sup>	4-20 <sup>top</sup> 1-16 <sup>bot</sup>	2-16 <sup>top</sup> 2-20 <sup>bot</sup>	2-20 <sup>top</sup> 2-16 <sup>bot</sup>	8 <sup>top</sup> -2L @ 100 C/C	8 <sup>top</sup> -2L @ 150 C/C	
B6	250X550	6-16 <sup>top</sup> 6-16 <sup>bot</sup>	6-16 <sup>top</sup> 6-16 <sup>bot</sup>	ALTH.	ALTH.	ALTH.	8 <sup>top</sup> -2L @ 100 C/C	8 <sup>top</sup> -2L @ 100 C/C	

MKD.	THK. MM.	SLAB		
		SHORTER SPAN	SPAN/BOT.	LONGER SPAN
S1	150	8 <sup>top</sup> @100C/C	8 <sup>top</sup> @125C/C	8 <sup>top</sup> @150C/C
S2	125	8 <sup>top</sup> @125C/C	8 <sup>top</sup> @125C/C	8 <sup>top</sup> @125C/C
ST1	165	12 <sup>top</sup> @100C/C (MAIN) WITH 8 <sup>top</sup> @200C/C (DIST)	8 <sup>top</sup> @125C/C	8 <sup>top</sup> @125C/C

COLUMN MKD.	COLUMN SIZE	REINFORCEMENT		
		GR. FLOOR TO 2ND. FLOOR	2ND. FLOOR TO ROOF	LINKS
C1,C2,C3,C4,C5,C6,C7,C8,C9,C10, C11,C12,C13,C14,C16,C17,C18, C19,C20,C22,C23,C25, C27, C28,C29,C30,C31,C32,C33,C34,C35, C36,C37,C38,C39A,C35A,C28A, C22A,C20A,C16A,C8A,C6A,C11A, C2A	300 X 600	18-20 <sup>top</sup>	18-16 <sup>top</sup>	8 <sup>top</sup> -LINK @ 100 150 C/C VERT. BAR.
LIFT		12 <sup>top</sup> @ 150 C/C(MAIN VER.) & 10 <sup>top</sup> @150 C/C(HOR.)		



DUCTILE DETAILING OF BEAM COLUMN JUNCTION



TYPICAL DETAILS OF  
COLUMN REINFORCEMENT

- NOTES:-**
1. ALL DIMENSIONS ARE IN MILLIMETRES.
  2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
  3. ROAD CREST LEVEL IS TAKEN AS +0.00 LEV.
  4. CLEAR COVER TO MAIN REINFORCEMENT-  
a) FOUNDATION-50 MM. b) COLUMN-40 MM.  
c) THE BEAM- 50 MM. d) SLAB - 20 MM. e) BEAM- 25 MM.
  5. LAP ANCHORAGE LENGTH SHOULD BE GENERALLY 50D,  
(D = DIA OF BAR).
  6.  $\phi$  - INDICATES COLD TWISTED DEFORMED BAR AS PER IS 1786.
  7. GRADE OF CONCRETE - M-25.
  8. GRADE OF STEEL - Fe-500.
  9. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING.
  10. ALL SORTS OF PRECAUTIONARY MEASURES WILL BE TAKEN AT THE TIME OF CONSTRUCTION.

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FDN. AND SUPERSTRUCTURE OF THE BLDG. HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER THE NBC OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

Signature of Geotechnical engineer : \_\_\_\_\_  
Signature of Structural engineer : \_\_\_\_\_

OWNER'S NAME \_\_\_\_\_

Signature of Owner : \_\_\_\_\_

THIS IS TO CERTIFY THAT THE BUILDING PLAN HAS BEEN DRAWN UP WITH FULL RESPONSIBILITY AS PER PROVISIONS OF BUILDING RULES & AS AMENDED FROM TIME TO TIME & SITE CONDITION CONFORM WITH THE PLAN & THAT IT IS A BUILDABLE SITE & NOT A TANK OR TANK FILLED LAND.

Signature of Architect : \_\_\_\_\_

PROJECT :  
PROPOSED B+G+4 RESIDENTIAL APARTMENT OF SMT. BASUMATI PAL W/O SRI MANAS PA ON R.S. PLOT NO. 1375(P), L.R.- 2351(P), MOUZA PANCH BERIA MILK, J.L. NO - 233, P.S.-KHARAGPUR(T), WARD NO.-1, DIST.- PASCCHIM MEDINIPUR WITHIN KHARAGPUR MUNICIPAL AREA.

DR. NO.	TITLE	DATE
ST01	RAFT FOUNDATION, BEAM & SLAB LAYOUT PLAN WITH TYPICAL DETAILS & SCHEDULES.	13.03.2020

ARCHITECTURAL  
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