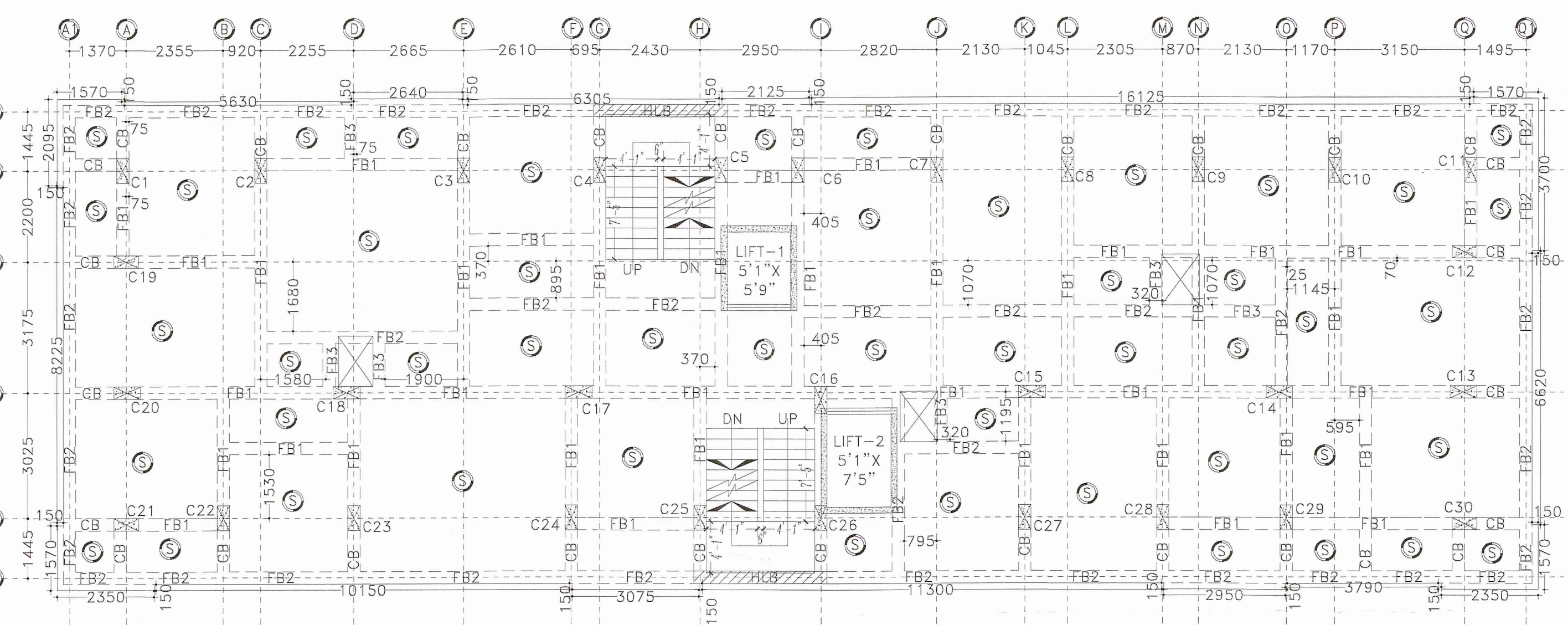


1 TIE BEAM LAYOUT PLAN
SCALE: 1:100



2 TYPICAL FLOOR BEAM LAYOUT PLAN
SCALE: 1:100

TABLE NO:-01 (SCHEDULE OF TIE BEAM)

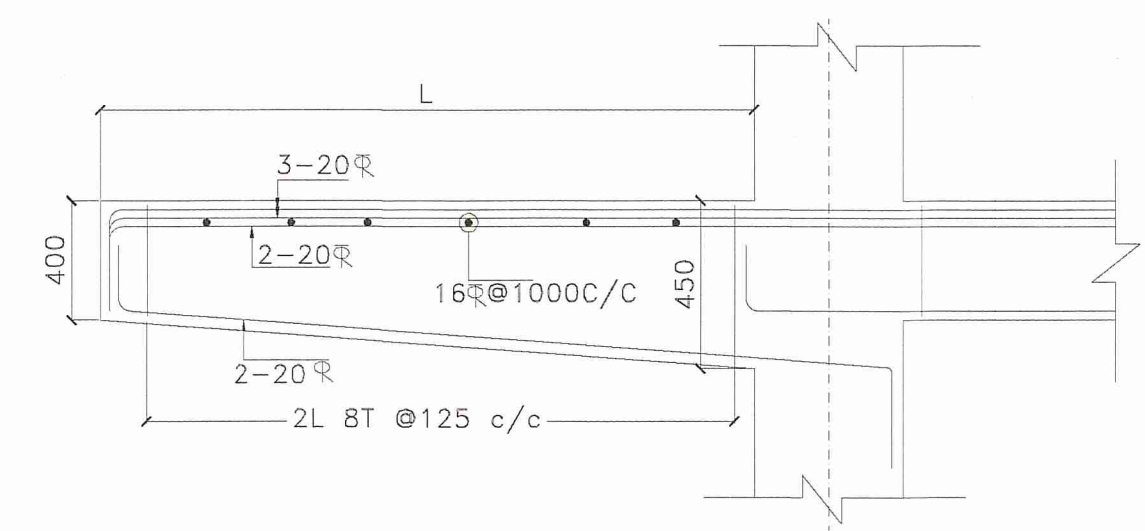
Beam Mkd	Size	All Through		Ext. at End Supp. Top	Ext. at End Supp. Bot	Ext. at Cont. Supp. Top	Ext. at Cont. Supp. Bot	S T I R R U P S	
		Top	Bot					Support	Span
TB	300 450	2-20R	2-20R	2-20R	2-20R	2-20R	2-20R	2L-8R@125C/C	2L-8R@125C/C

TABLE NO:-02 (SCHEDULE OF TYPICAL FLOOR BEAM)

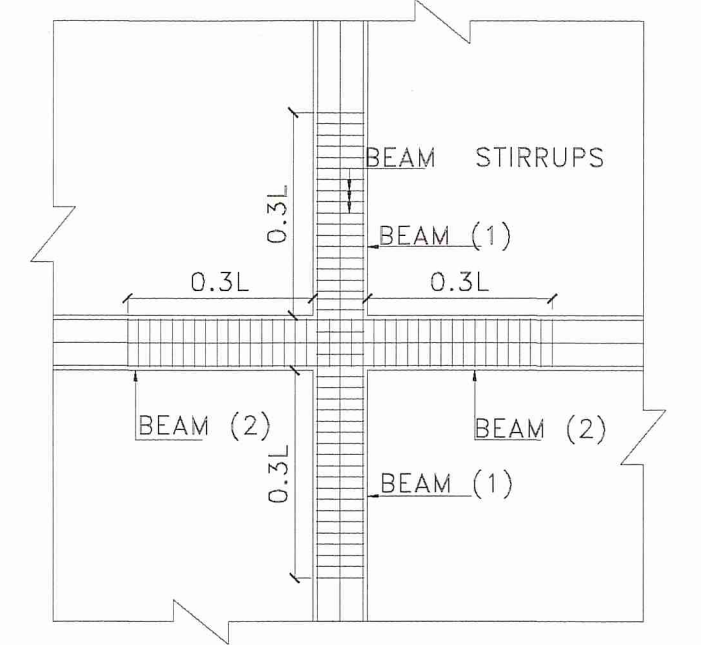
Beam Mkd	Size	All Through		Ext. at End Supp. Top	Ext. at End Supp. Bot	Ext. at Cont. Supp. Top	Ext. at Cont. Supp. Bot	S T I R R U P S	
		Top	Bot					Support	Span
FB1	300 450	2-20R	2-20R	2-20R	2-20R	2-20R	2-20R	2L-8R@125C/C	2L-8R@125C/C
FB2	300 400	2-20R	2-20R	1-20R	1-20R	1-20R	1-20R	2L-8R@125C/C	2L-8R@125C/C
FB3	300 350	2-20R	2-20R	1-16R	1-16R	1-16R	1-16R	2L-8R@125C/C	2L-8R@125C/C
CB	300 450	3-20R	2-20R	2-20R	2-20R	2-20R	2-20R	2L-8R@125C/C	2L-8R@125C/C
HLB	300 400	2-20R	2-20R	1-16R	1-16R	1-16R	1-16R	2L-8R@125C/C	2L-8R@125C/C

TABLE NO:-03 (SCHEDULE OF FLOOR SLAB)

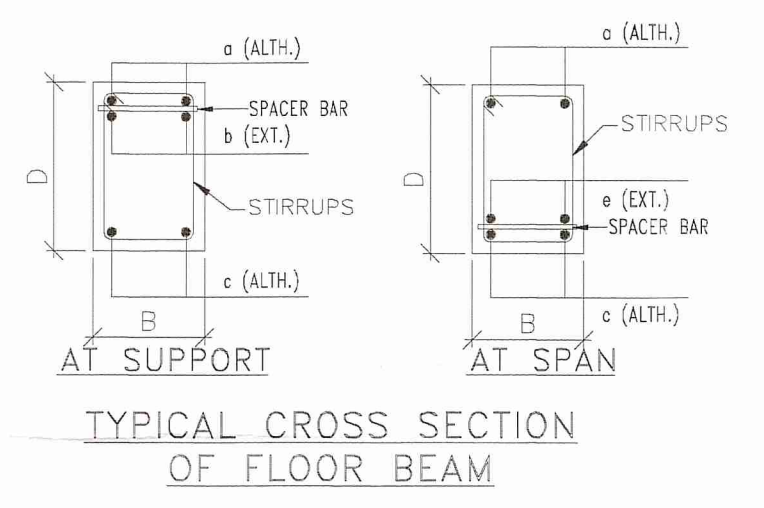
BAR MKD.	REINFORCEMENT	POSITION
A	10T @ 150 mm C/C (ALL THROUGH)	BOT.
B	10T @ 150 mm C/C (ALL THROUGH)	BOT.
C	10T @ 150 mm C/C (CURTAILMENT)	TOP
D	10T @ 150 mm C/C (ALL THROUGH)	TOP
X	10T @ 150 mm C/C (ALL THROUGH)	BOT.
Y	10T @ 150 mm C/C (ALL THROUGH)	BOT.



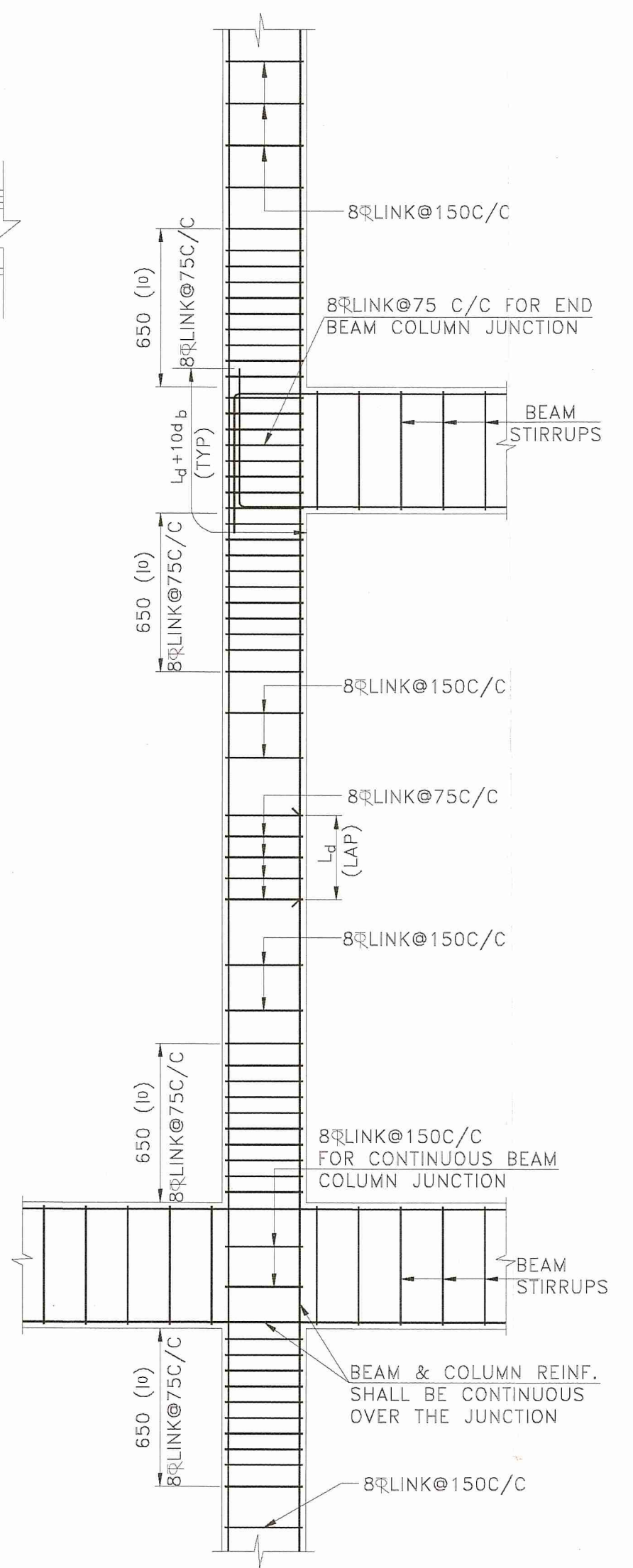
3 TYPICAL SECTION OF CANTILEVER BEAM
SCALE: N.T.S



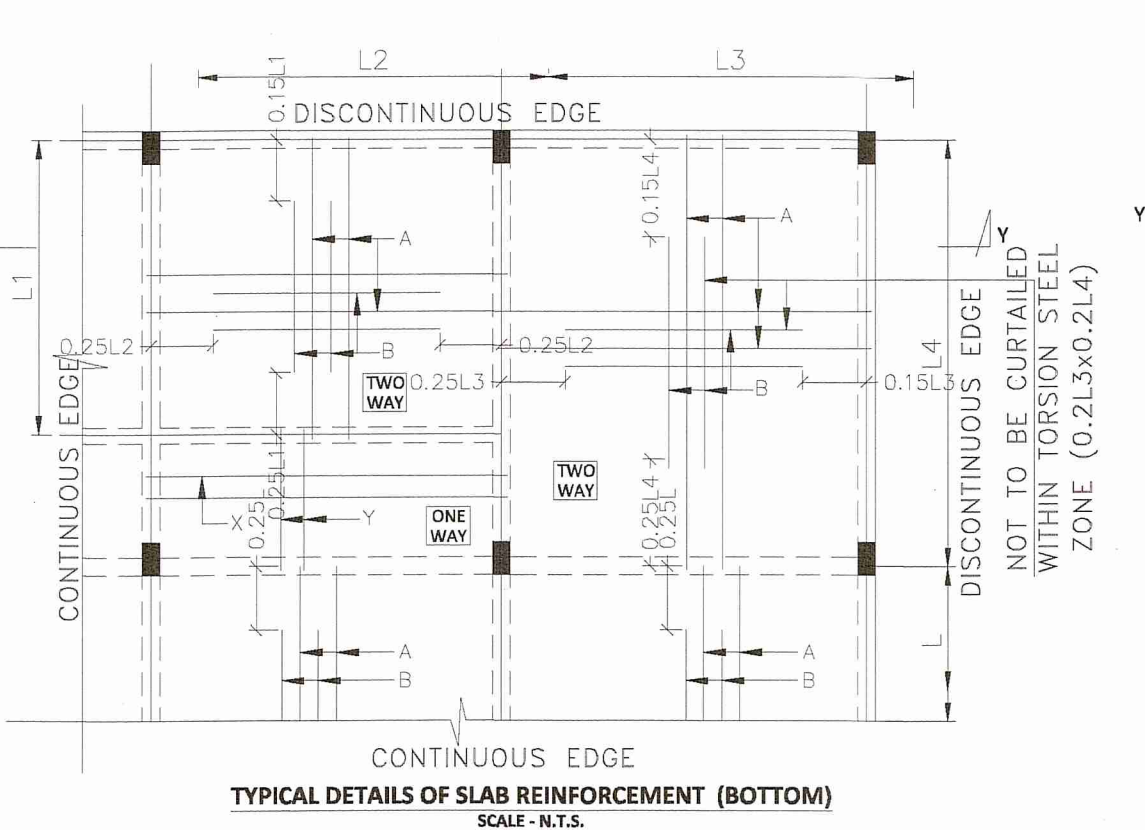
4 DETAILS OF CROSS BEAM JUNCTION
SCALE: 1:50



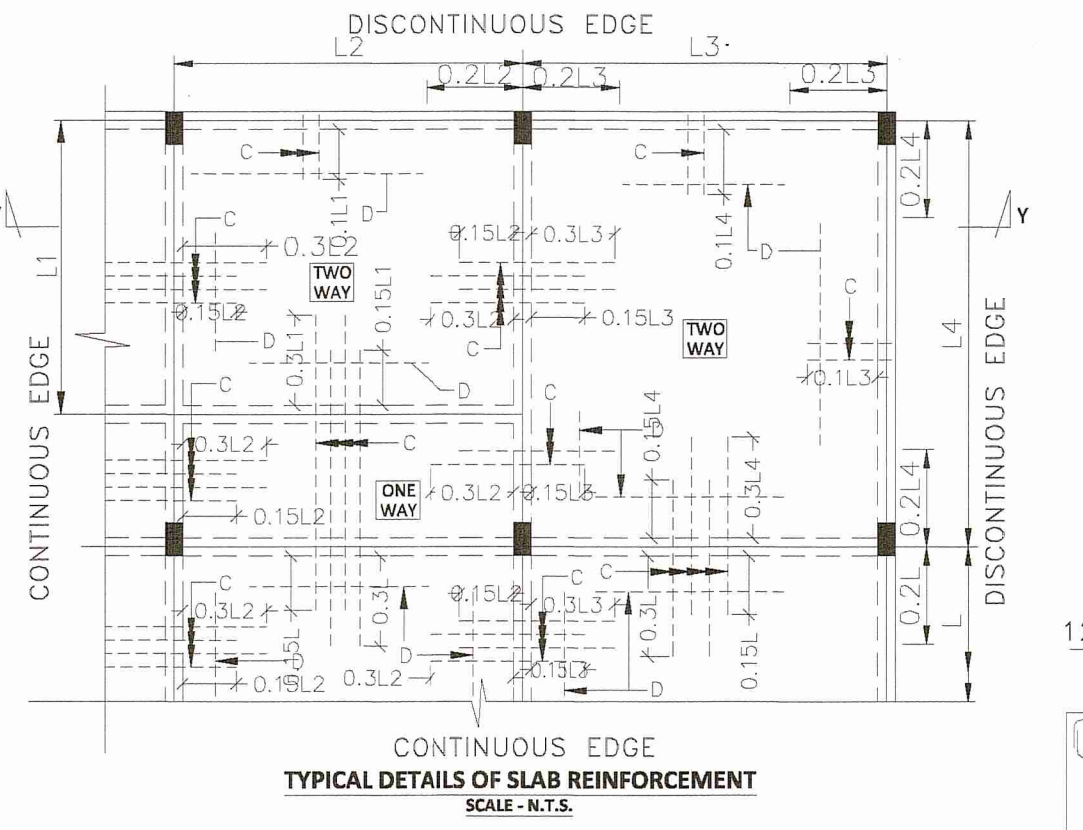
TYPICAL CROSS SECTION OF FLOOR BEAM



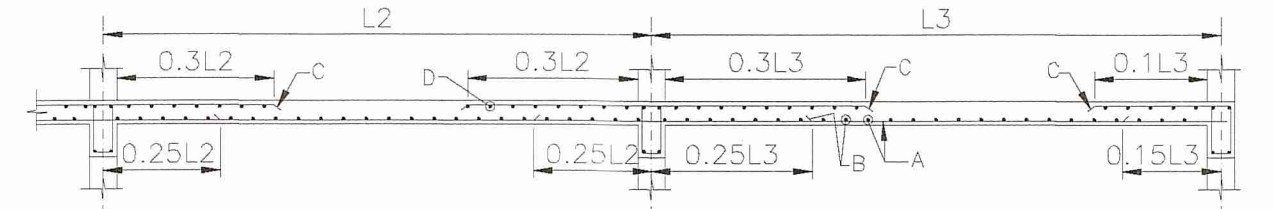
TYPICAL DETAIL OF BEAM COLUMN JUNCTION
SCALE:-N.T.S.



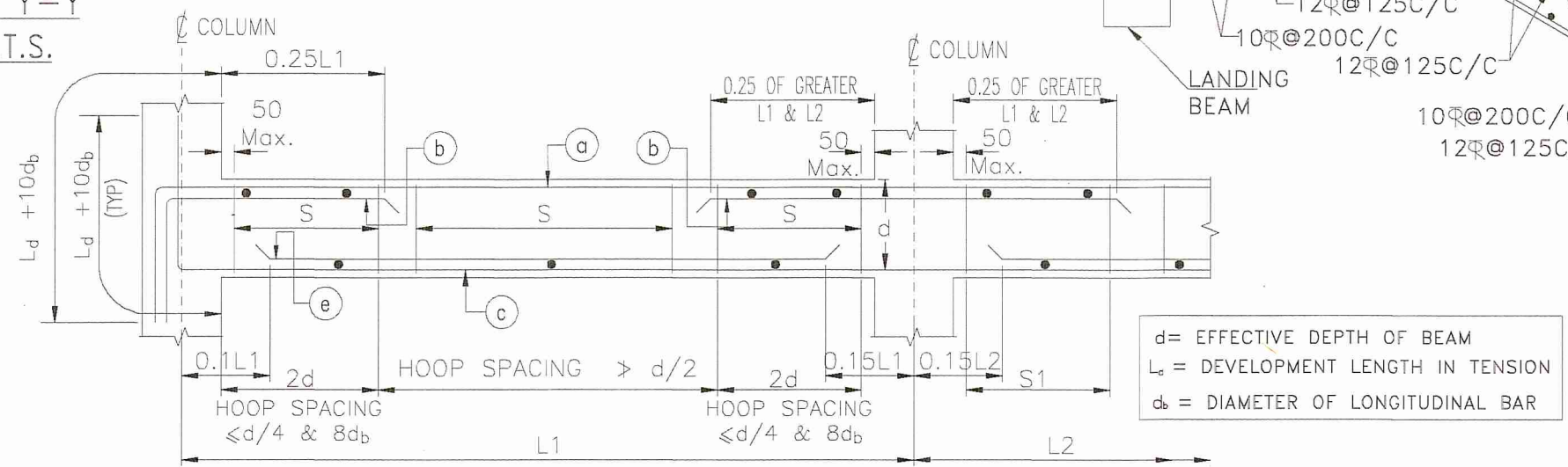
TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
SCALE: N.T.S.



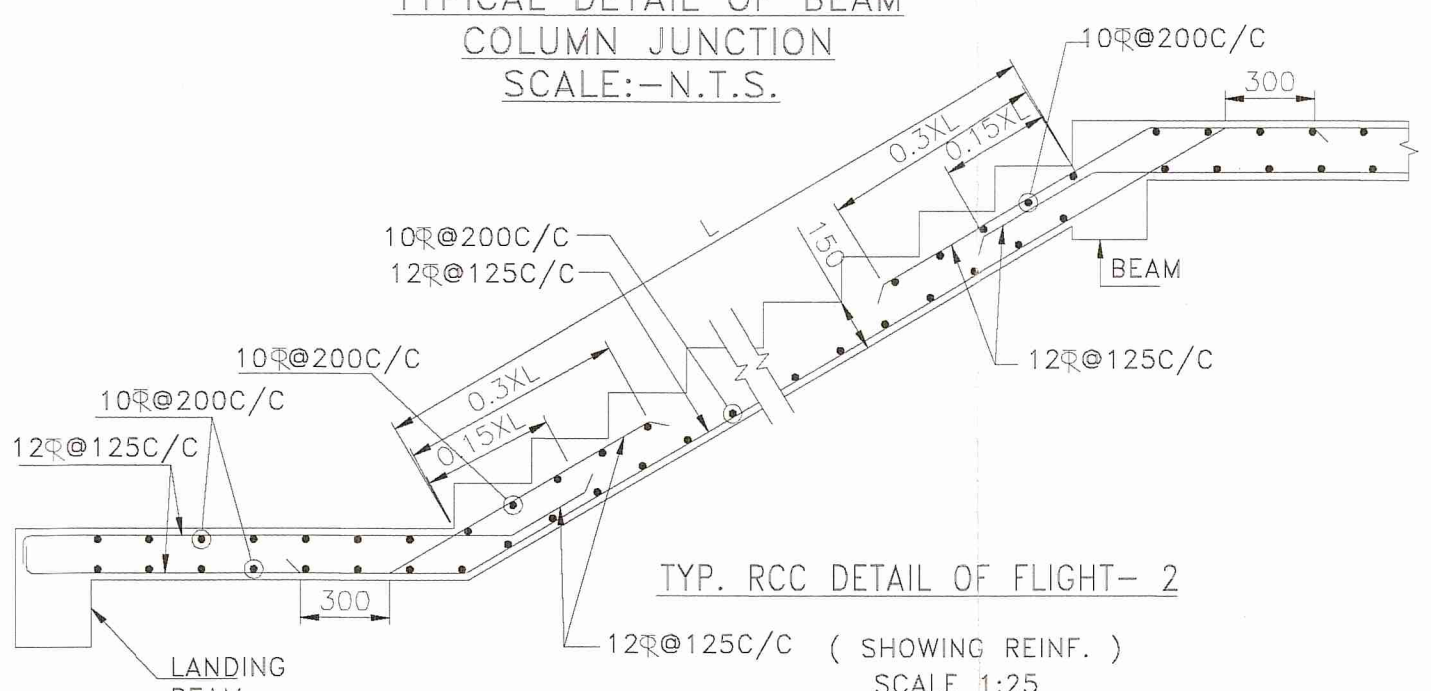
TYPICAL DETAILS OF SLAB REINFORCEMENT
SCALE: N.T.S.



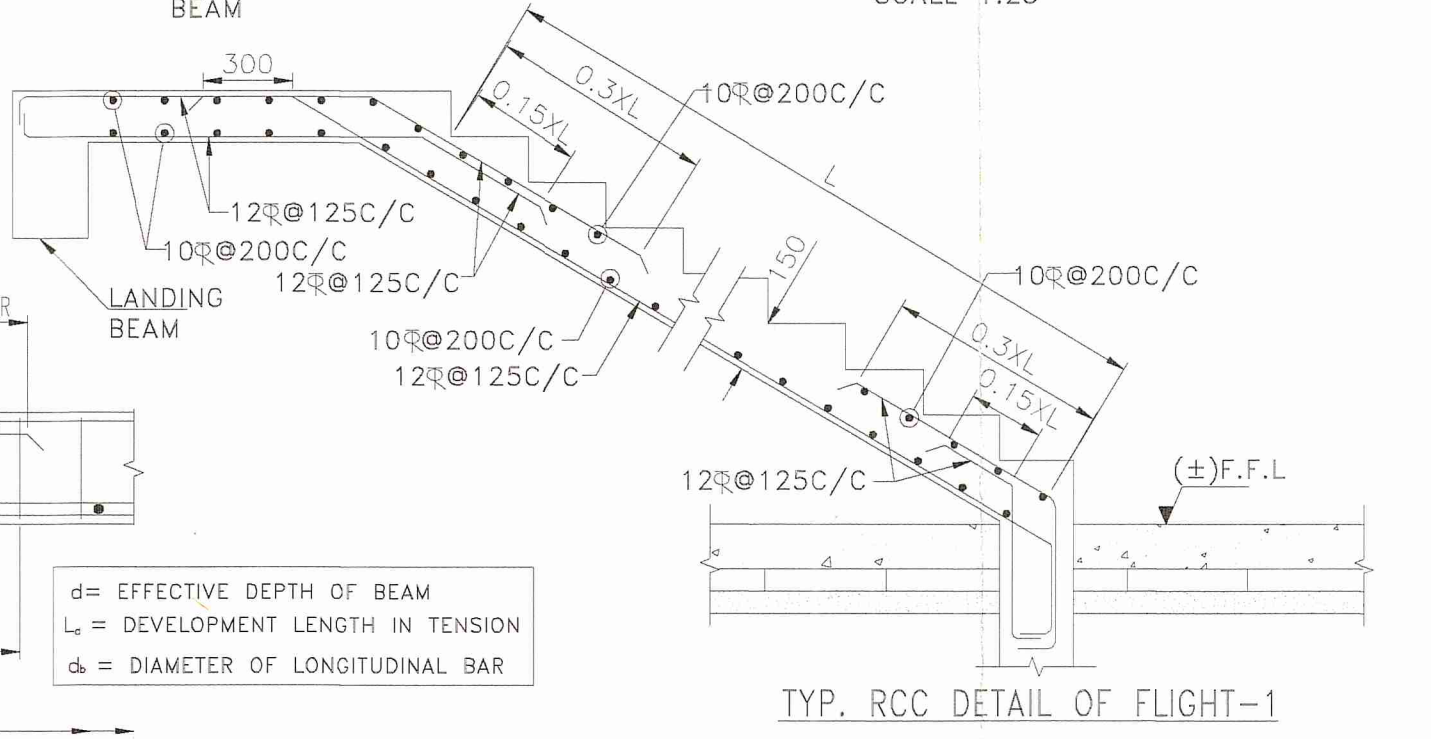
SECTION - Y-Y
SCALE - N.T.S.



TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM
FIGURE NUMBER-1



TYP. RCC DETAIL OF FLIGHT-2
SCALE 1:25



TYP. RCC DETAIL OF FLIGHT-1
(SHOWING REINF.)
SCALE 1:25

6 DETAILS OF STAIR
SCALE: N.T.S

PROJECT NAME:-
STRUCTURAL DRAWING OF PROPOSED (G+9) TEN STORED RESIDENTIAL BUILDING OF SRI. KALYAN SARKAR S/O BHABANI SARKAR, SMT. KULVINDER KAUR, W/O SRI. RABI SINGH, SRI DEBASIS MONDAL S/O BASANTA KUMAR MONDAL, SMT. SAMPA DUTTA W/O UJJAL DUTTA, PLOT NO-1204, KHATIAN NO-3988,3989,3985,3986, J.L NO-105 MOUZA-JEMUA, P.S-NTPS, DIST-PASCHIM BARDHAMAN, WEST BENGAL.

- NOTES :-
- (±) 0.00 m LEVEL REFERS TO E.G.L.
 - 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). HOWEVER ARCHITECTURAL DRAWING TO BE COORDINATED FOR ALL LEVELS.
 - ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
 - 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-500/500 D CONFORMING TO IS-1786-2008.
 - ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
 - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE DEVELOPMENT LENGTH=50x BAR DIA.
 - UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T @ 250 C/C
 - CONCRETE COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:- a) Beam:-25mm, b) Column:-40mm, c) Slab:-15mm, d) Footing:-50mm, e) R.C.C Wall:-20mm, f) Stair:- 20mm.
 - Grade of concrete will be M30 for column and M25 for beam and sub structure as per is: 456:2000.
 - Development length 50xD for lap & splices should be provided as per the provisions laid down in SP34:1987

SIGNATURE OF DEVELOPER/OWNER:-

- Kalyan Sarkar
- Kulvinder Kaur
- Debasis Mondal
- Sampa Dutta

VETTED BY:-

DR. S. N. MUKHERJEE
Professor
CIVIL ENGINEERING DEPT.
UNIVERSITY OF WEST BENGAL
Kharagpur, (WB)
Approved Plan No. 141 on Meeting No. 1/2022-23 Date 25/01/2022 Valid upto 10/07/2022
Mallika Saha
Pradhan
Jemua Gram Panchayat

TITLE:-
TIE BEAM LAYOUT PLAN, TYPICAL FLOOR BEAM LAYOUT PLAN, SCHEDULE OF THE BEAM, SCHEDULE OF FLOOR BEAM, DETAIL OF CROSS BEAM JUNCTION, TYPICAL CROSS SECTION OF THE BEAM, TYPICAL CROSS SECTION OF FLOOR BEAM, DETAILS OF STAIR, DETAILS OF FLOOR SLAB, TYP. SECTION OF CANTILEVER BEAM.

DRAWN BY: A BHATTACHARJEE
CHECKED BY: S AKHTAR
SCALE : 1:100, 1:50, 1:25, N.T.S
REV-00
DATE : 30.08.2022
SHEET NO:- GIDS/STRUC--02-02

SIGNATURE OF ARCHITECT:-
SIGNATURE OF GEO-TECHNICAL ENGINEER:-
SIGNATURE OF STRUCTURAL ENGINEER:-

VAISHNAVI MAKARAND HALYE
CONSULTING ARCHITECT
CA/2018/101108

MAHMOJ MATHY
Civil & Geotechnical Engineer
GEMINS - 144278
Lic. No. - 15071/1521AMC
G.D.S., Durgapur - 16

Hirak Ghosh
Structural Engineer
Lic No. - L.B.PMM167
DCE, B.TECH, P.S. Durgapur-18
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