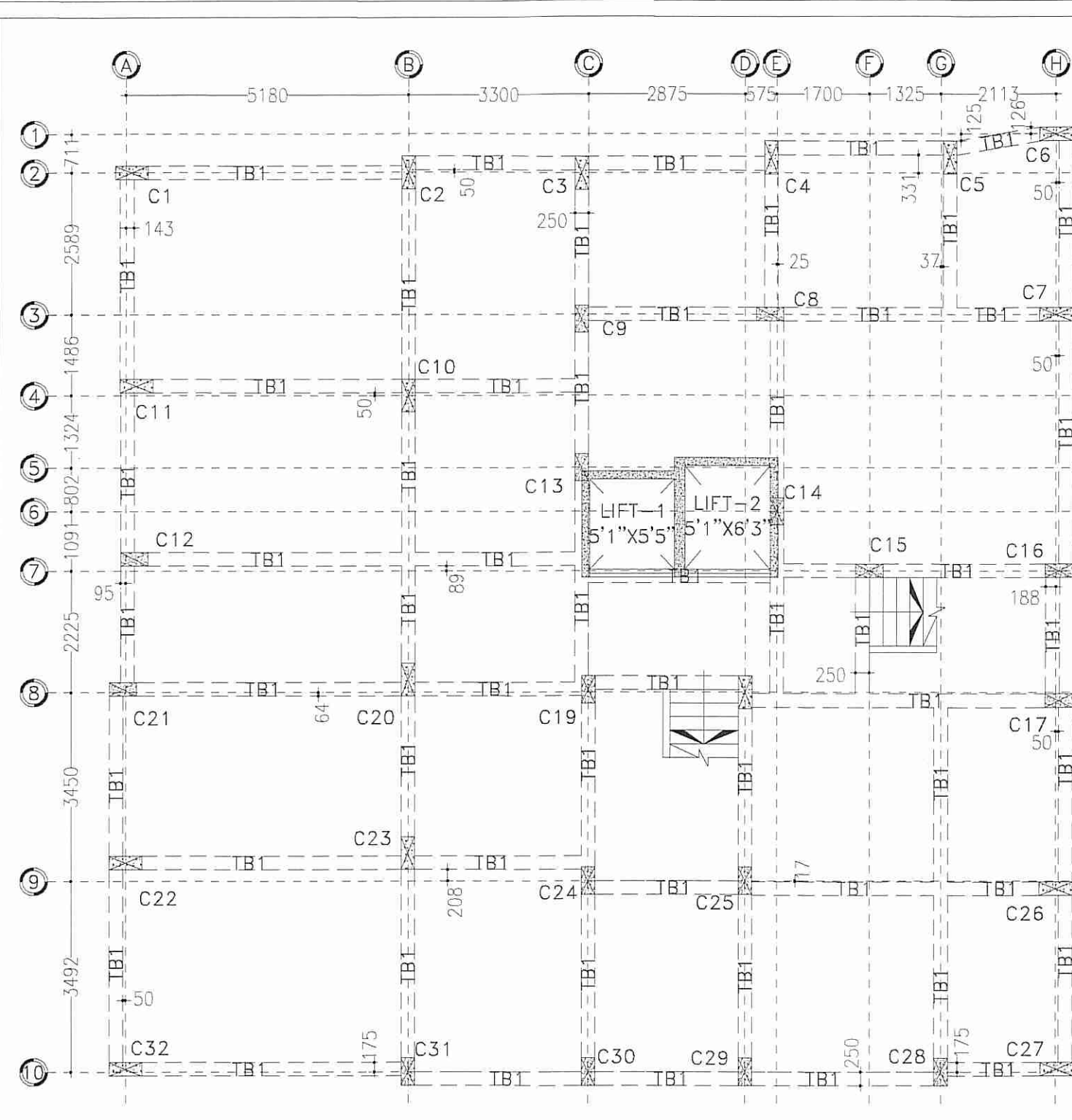
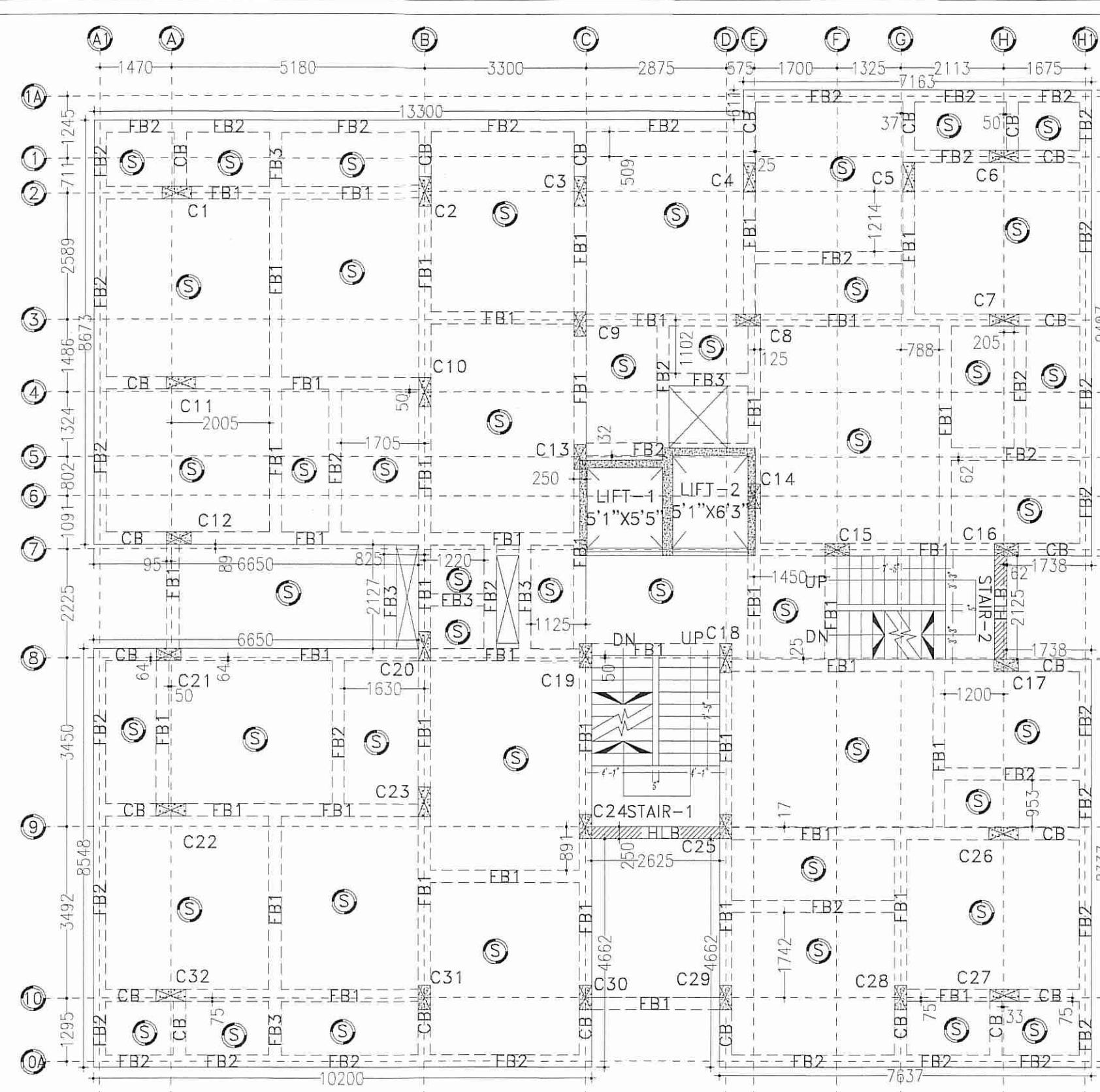


PROJECT NAME:-
 STRUCTURAL DRAWING OF PROPOSED (G+8) NINE STORED RESIDENTIAL BUILDING OF MR. UJJAL DUTTA, S/O BASUDEV DUTTA, MR. RABI SINGH S/O SAGAR SINGH, (R. K BUILDERS AND DEVELOPERS PVT LTD) PLOT NO-1205,1206, KHATIAN NO- 3670,3671, J. L NO-105, MOUZA-JEMUA, P. S - NEW TOWNSHIP, DIST-PASCHIM BARDHAMAN.WEST BANGAL-713206

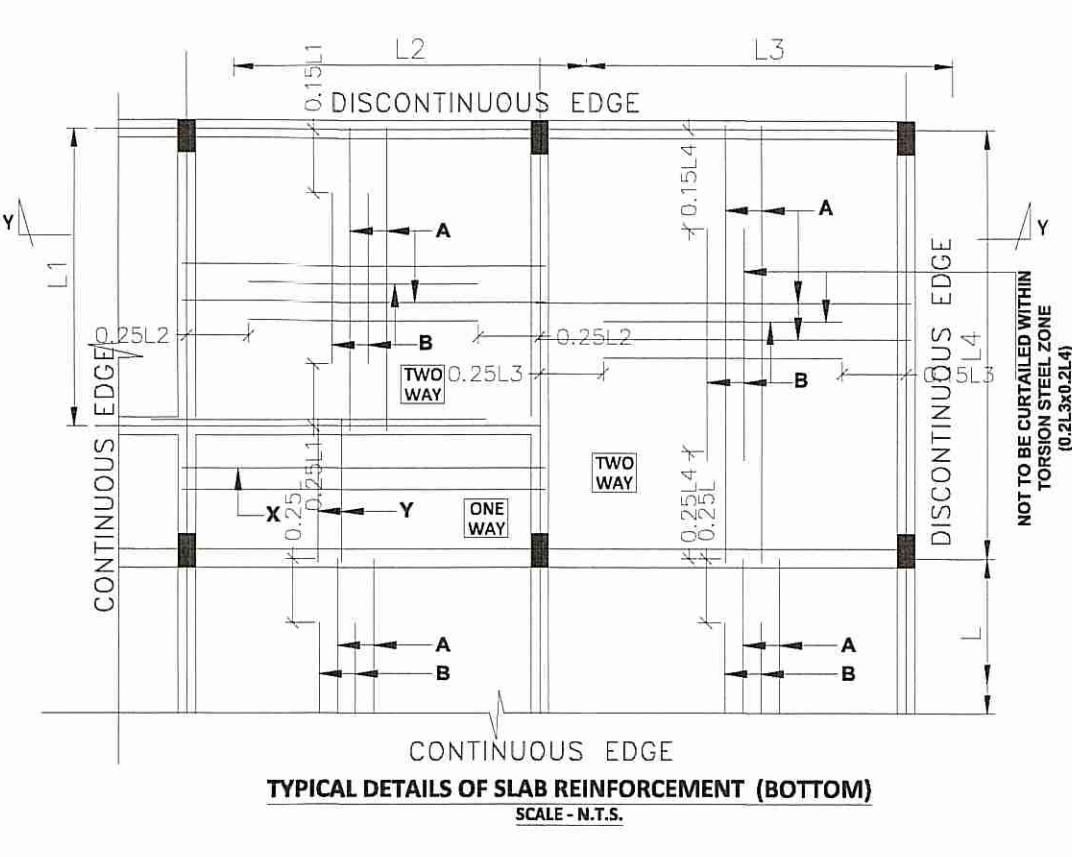
- NOTES :-
- All dimensions are in millimeters & levels are in meter. Except otherwise mentioned only written dimensions shall be followed. All levels given in structural drawings are in accordance with architectural drawings. And indicate architectural drawing to be coordinated for all levels. Structural level only (without finish). however architectural drawing to be coordinated for all levels.
 - Safe bearing capacity of soil taken As per soil testing report
 - Grade of steel Fe 500.
 - Depth of Pile 18.0 m.
 - The top layer of reinforcement shall be placed over bot layer of reinforcement with chair of 10Rbar. @ 900 c/c.
 - At a time of construction ductile detailing must be followed as per IS:13920.
 - 8R Binder @ 200 C/C binder for top & bot bar as required.
 - CONCRETE COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:-
 a) Beam:-25 mm, b) Column:-40mm, c) Slab:-15mm, d) Footing:-50mm, e) R.C.C Wall:-20 mm, 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



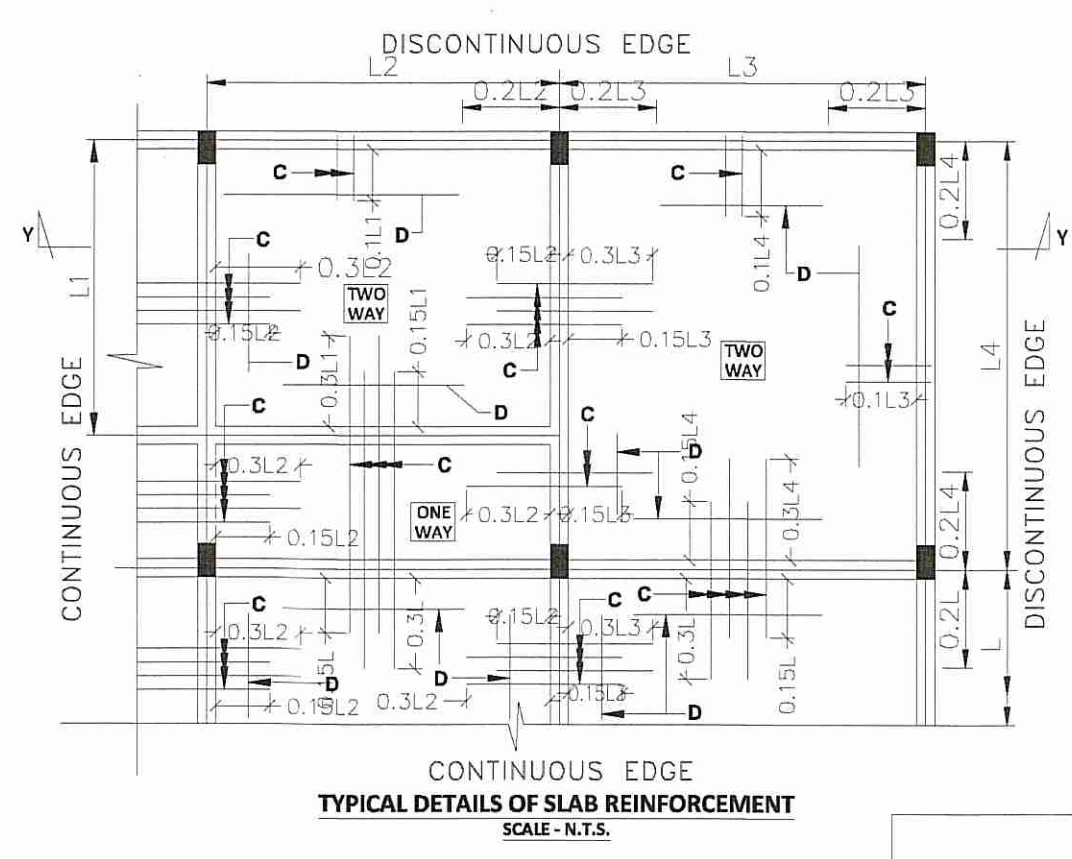
8 TIE BEAM LAYOUT PLAN
SCALE: 1:100



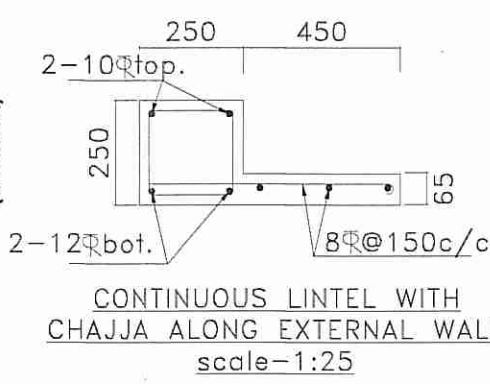
9 GROUND & TYPICAL FLOOR BEAM LAYOUT PLAN
SCALE: 1:100



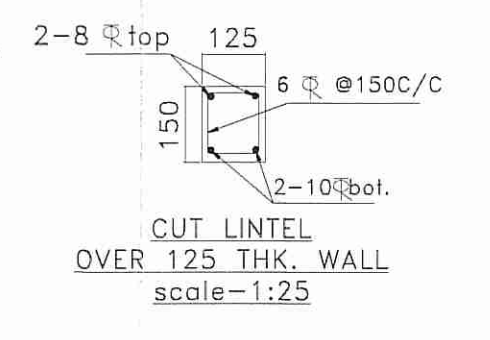
TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
SCALE: N.T.S.



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



CONTINUOUS LINTEL WITH CHAJJA ALONG EXTERNAL WALL
scale=1:25



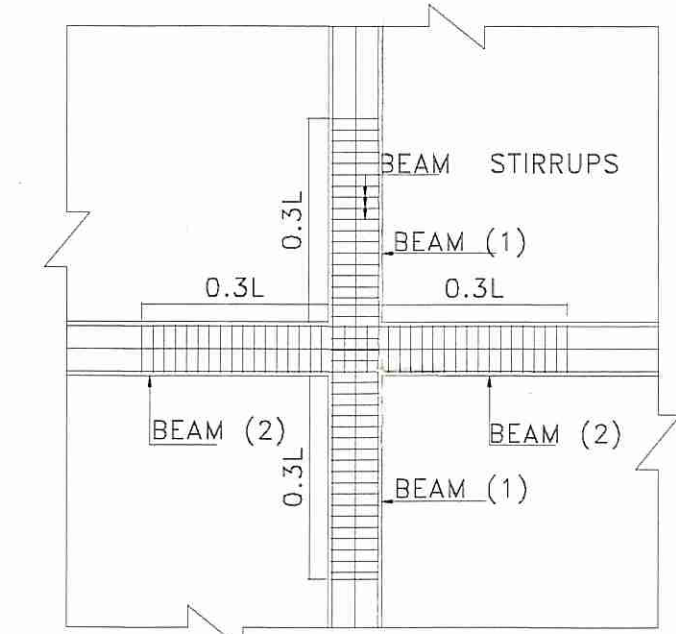
CUT LINTEL OVER 125 THK. WALL
scale=1:25

TABLE NO:-04 (SCHEDULE OF FLOOR BEAM)

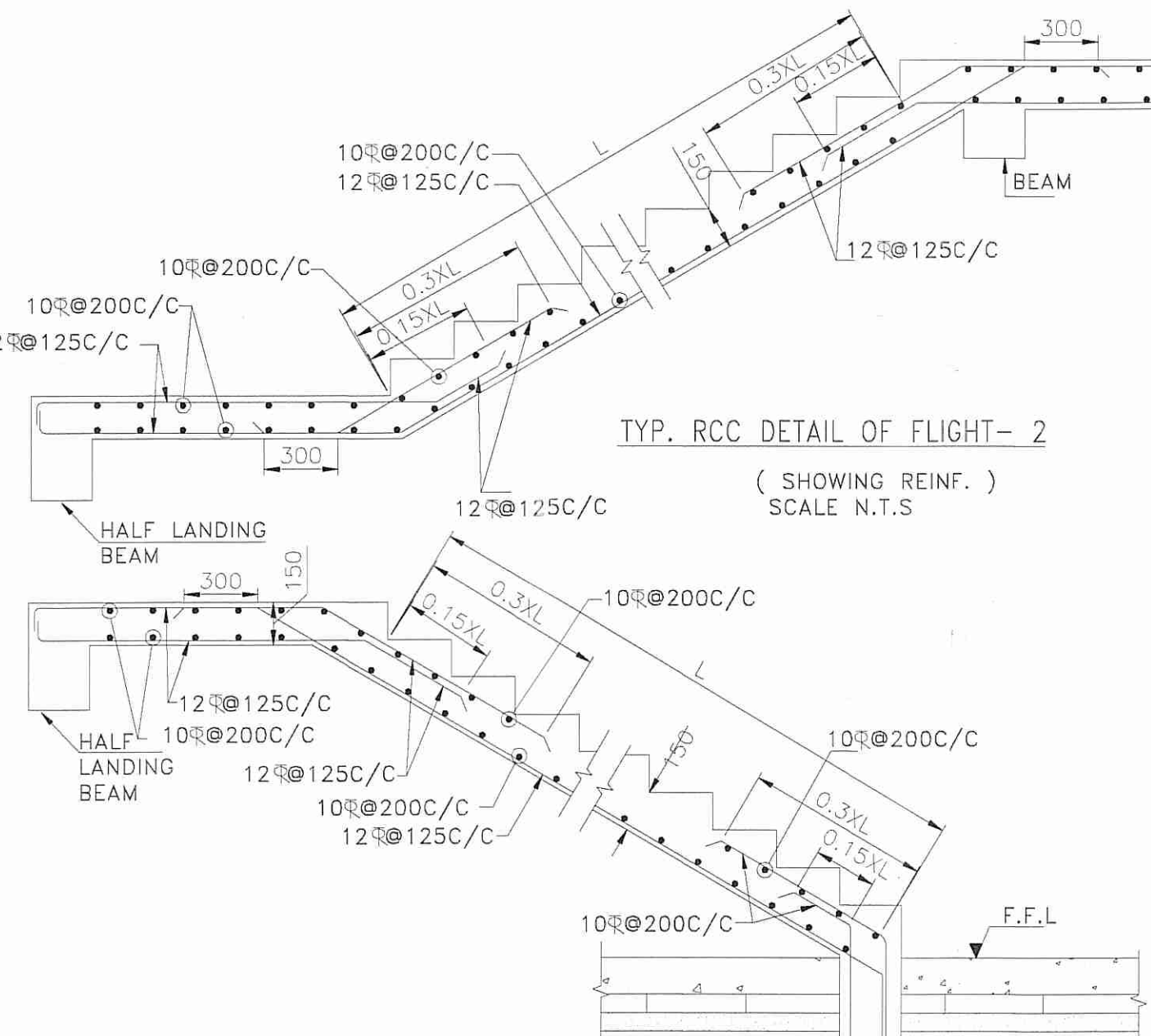
Beam Mkd	Size	All Through	Ext. at End Supp. Top	Ext. at End Span. Both	Ext. at Cont. Supp. Top	STIRRUPS Support	STIRRUPS Span
FB1	250 450	2-20R	2-20R	2-20R	2-20R	2L-8@125c/c	2L-8@150c/c
FB2	250 400	2-20R	2-20R	1-16R	1-16R	2L-8@125c/c	2L-8@150c/c
FB3	250 350	2-16R	2-16R	1-16R	1-16R	2L-8@125c/c	2L-8@150c/c
CB	250 400	4-20R	3-20R			2L-8@125c/c	2L-8@125c/c
HLB	250 350	2-16R	2-16R	1-16R	1-16R	2L-8@125c/c	2L-8@150c/c
TB1	250 450	2-20R	2-20R	2-20R	2-20R	2L-8@125c/c	2L-8@150c/c

TABLE NO:-05 (SCHEDULE OF FLOOR SLAB)

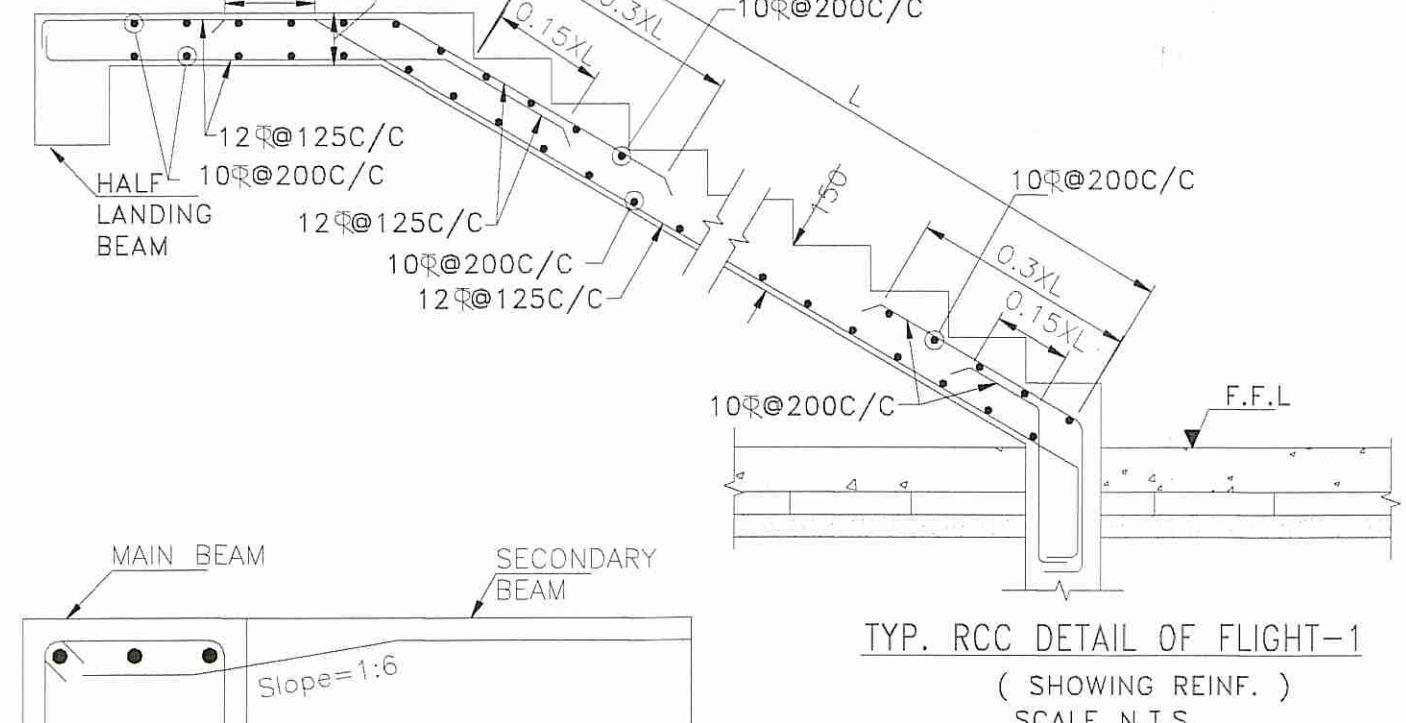
BAR MKD.	REINFORCEMENT	POSITION
A	10T @ 175 mm C/C (ALL THROUGH)	BOT.
B	10T @ 175 mm C/C (CURTAILMENT)	BOT.
C	10T @ 175 mm C/C (CURTAILMENT)	TOP
D	10T @ 250 mm C/C (CURTAILMENT)	TOP
X	10T @ 150 mm C/C (ALL THROUGH)	BOT.
Y	10T @ 150 mm C/C (ALL THROUGH)	BOT.



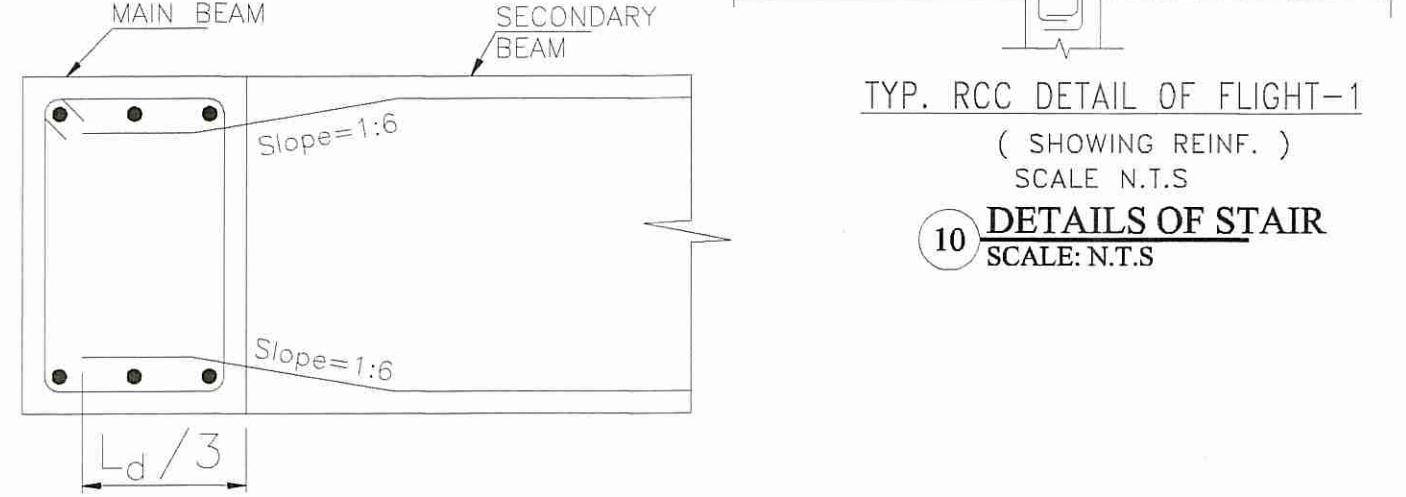
12 DETAILS OF CROSS BEAM JUNCTION
SCALE: 1:50



TYP. RCC DETAIL OF FLIGHT-2
(SHOWING REINF.)
SCALE N.T.S.



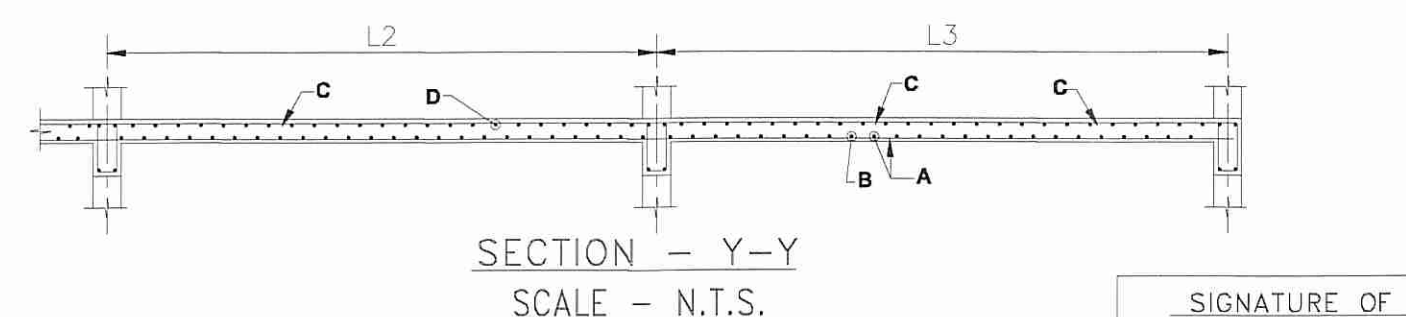
TYP. RCC DETAIL OF FLIGHT-1
(SHOWING REINF.)
SCALE N.T.S.



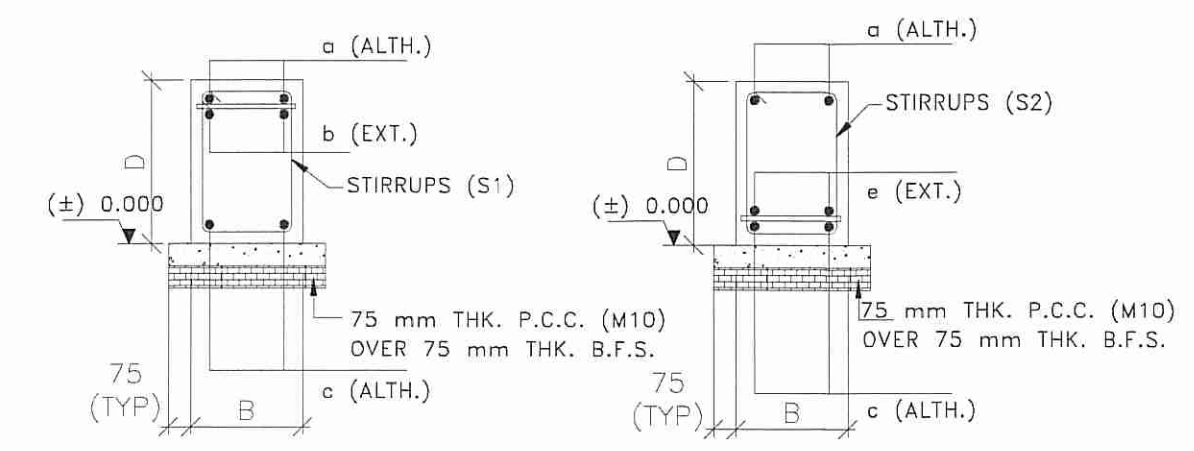
10 DETAILS OF STAIR
SCALE: N.T.S.



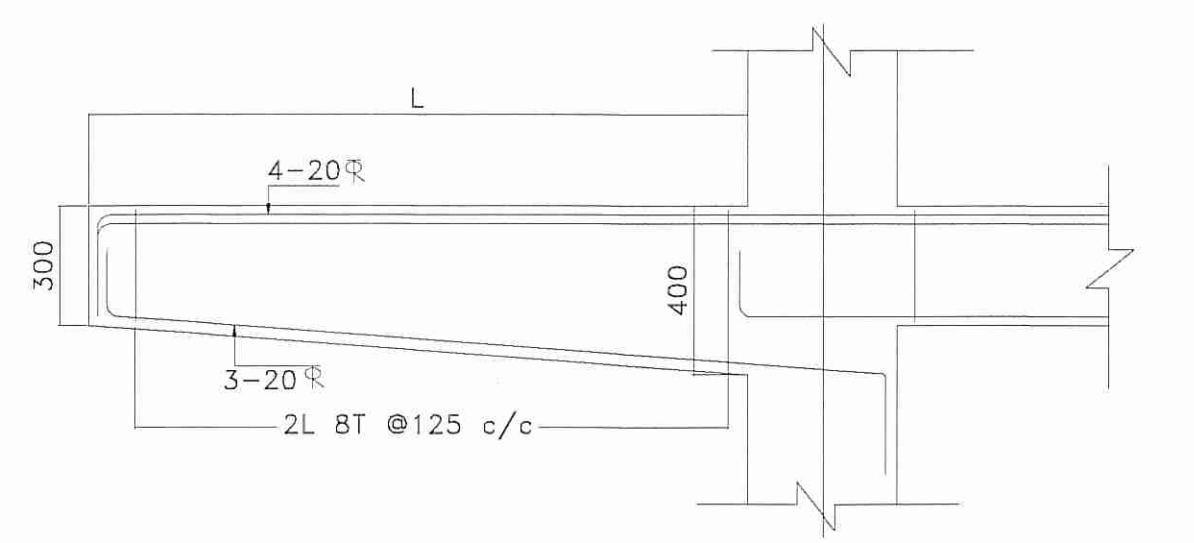
JUNC. OF MAIN AND SEC. BEAM



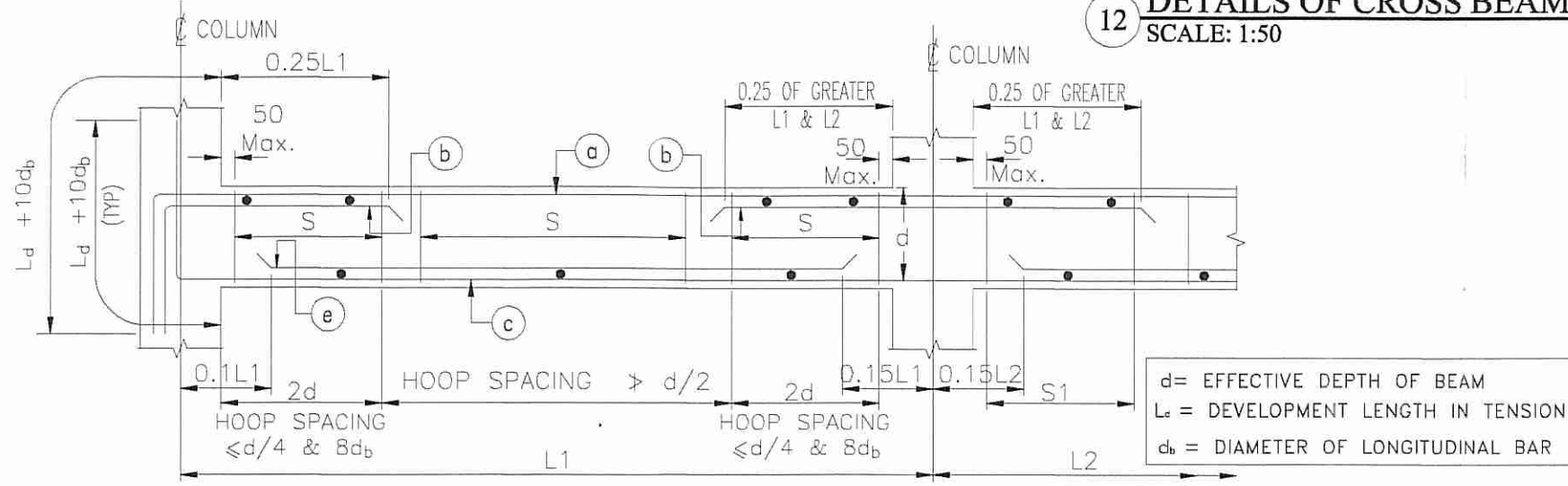
SECTION - Y-Y
SCALE - N.T.S.



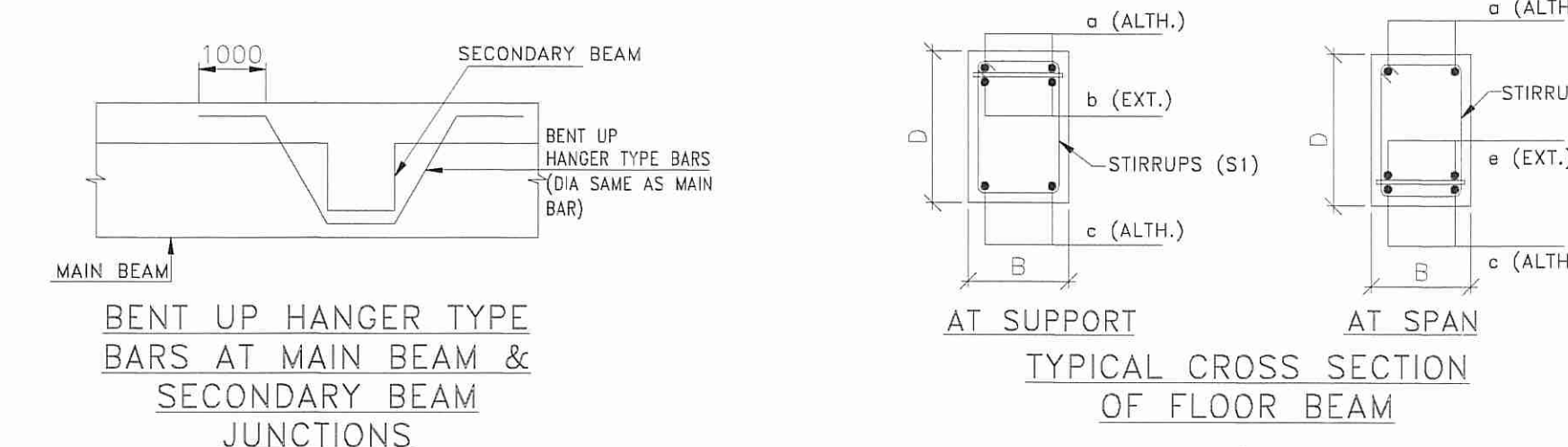
AT SUPPORT AT SPAN
TYPICAL CROSS SECTION OF TIE BEAM



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



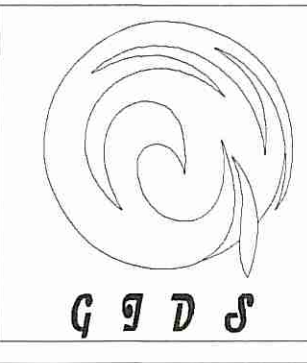
TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM
FIGURE NUMBER-1



AT SUPPORT AT SPAN
TYPICAL CROSS SECTION OF FLOOR BEAM

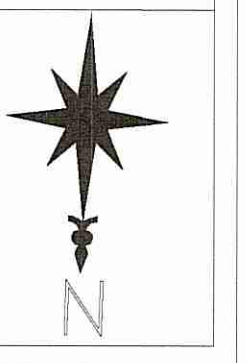
SIGNATURE OF GEO-TECHNICAL ENGINEER:-
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 Civil & Geotechnical Engineer
 Lic No. L.B.F.M/1631/AMC/DMCI/BD/165
 DCE, B-TECH, G.I.D.S., Durgapur-16
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 Contact No:- +919333233331,+917699998140

DATE : 04.03.2022
 REV-00
 SCALE : 1:100, 1:50 1:25, N.T.S.
 SHEET NO:- GDS/STRU 02-02



SIGNATURE OF STRUCTURAL ENGINEER:-
 HIRAK BHADRAJ
 Structural Engineer
 Lic No. L.B.F.M/1631/AMC/DMCI/BD/165
 DCE, B-TECH, G.I.D.S., Durgapur-16
 Contact No. 933233331

SIGNATURE OF DEVELOPER/OWNER:-
 R. K. BUILDERS AND DEVELOPERS PVT. LTD.
 Rabi Singh
 Director

VETTED BY:-
 Dr. S. JAYAKRISHNAN
 Professor
 CIVIL ENGINEERING DEPT.
 JAYAPUR UNIVERSITY
 KOLKATA-700022, (W.B.)
 Approved Plan No. 50 on Meeting No. 21/2022-23, Date 22/03/2022 Valid upto 31/12/2024
 Malika Lohar
 Pradhan
 Jemua Gram Panchayat

TITLE:-
 TIE & FLOOR BEAM LAYOUT PLAN, SCHEDULE OF BEAMS, SECTIONAL DETAILS OF FLOOR BEAM, SCHEDULE OF SLAB, SECTIONAL DETAILS OF SLAB, DETAILS OF CROSS BEAM JUNCTION, DETAILS OF CB, DETAILS OF STAIR.