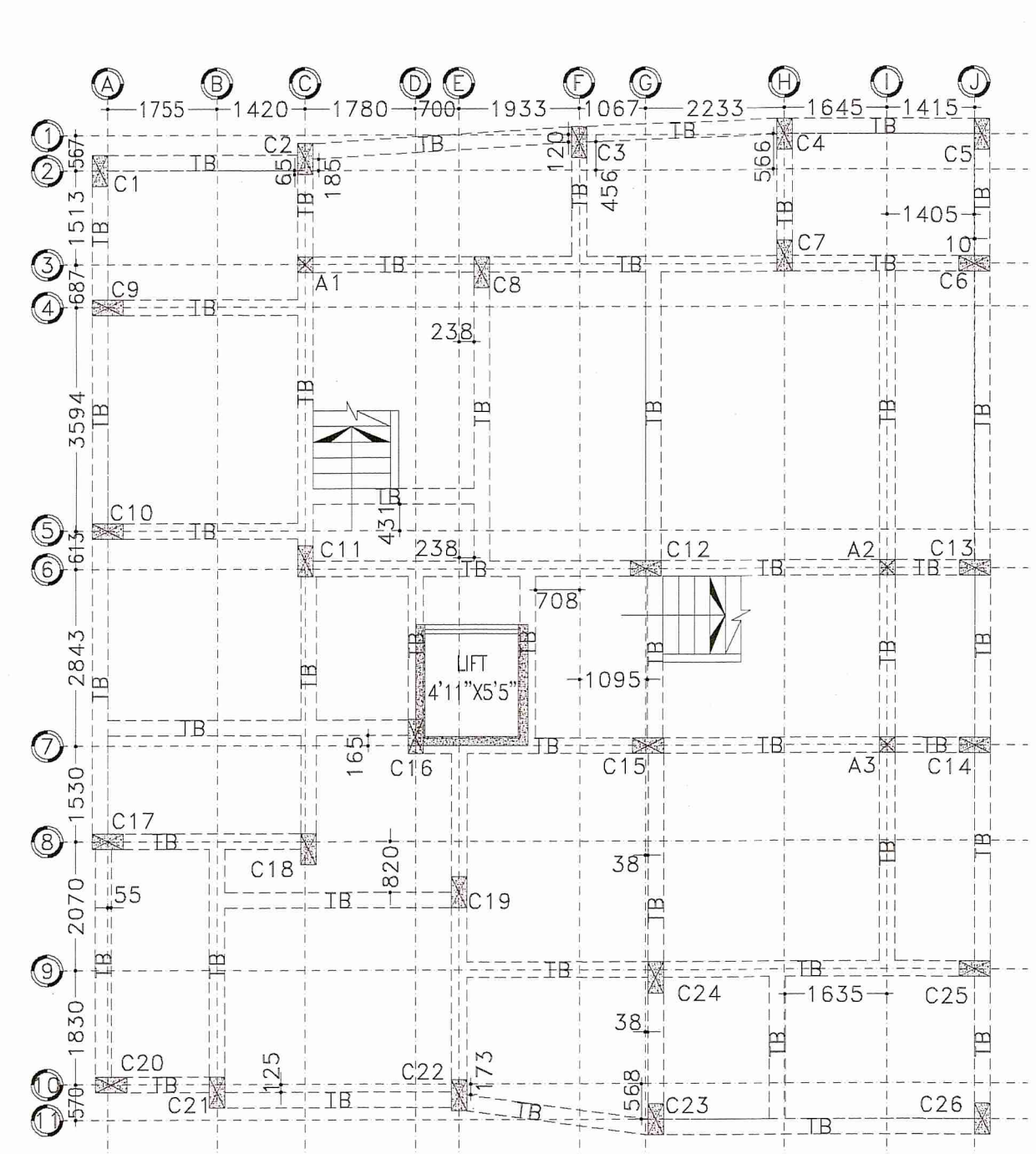
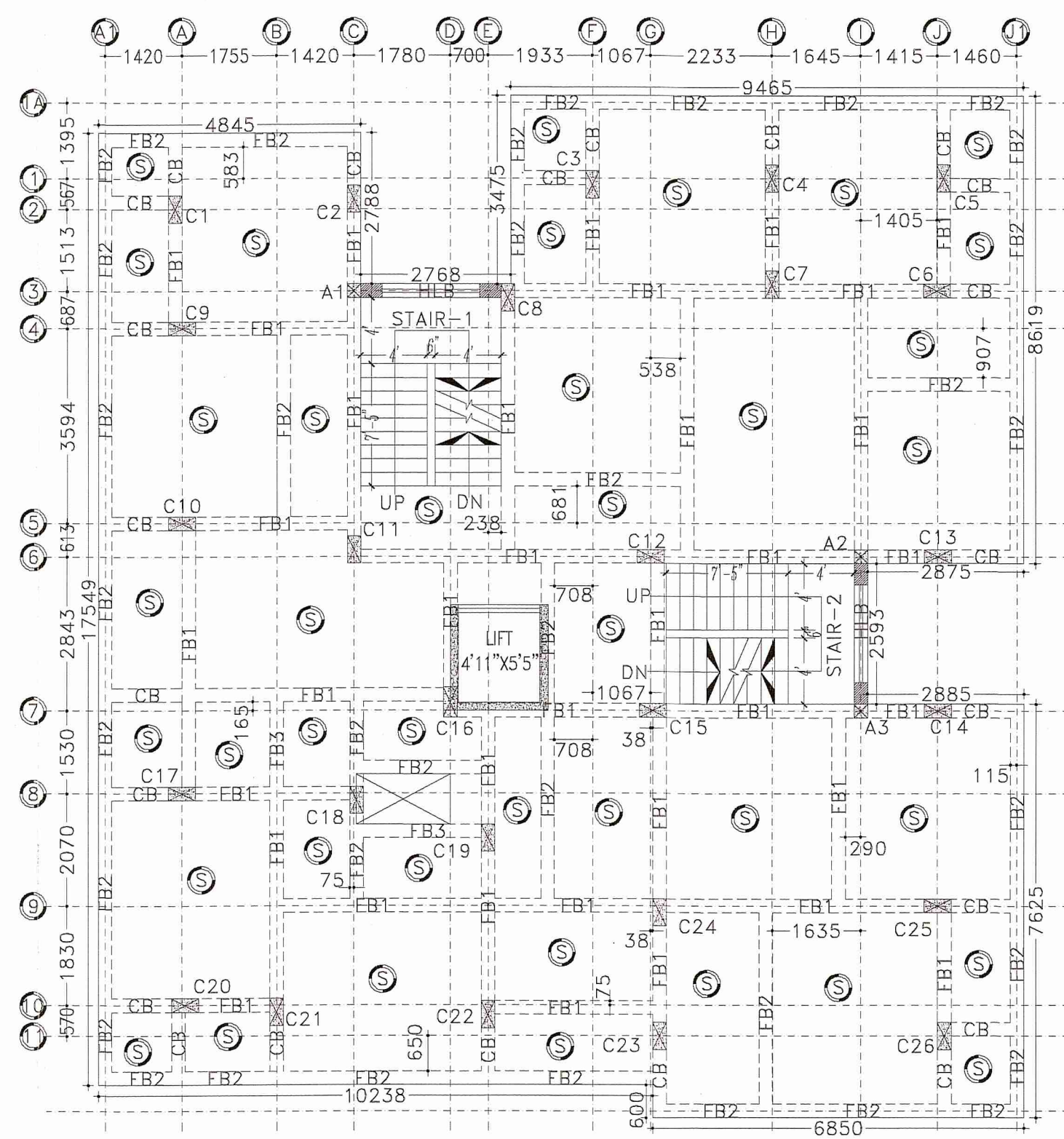


PROJECT NAME:-
 STRUCTURAL DRAWING OF PROPOSED (G+7)
 EIGHT STORIED RESIDENTIAL BUILDING OF
 MR.GOLAM SAMIM,S/O HABIBUR RAHAMAN,
 PLOT NO-472 KHATIAN NO-1947, J.L
 NO-209, MOUZA-BANSOL P.S-DURGAPUR
 DIST-PASCHIM BARDHAMAN, WEST BENGAL.



1 TIE BEAM LAYOUT PLAN
 SCALE: 1:100



2 GROUND & TYPICAL FLOOR ROOF BEAM LAYOUT PLAN
 SCALE: 1:100

TABLE NO:-01 (SCHEDULE OF TIE BEAM)

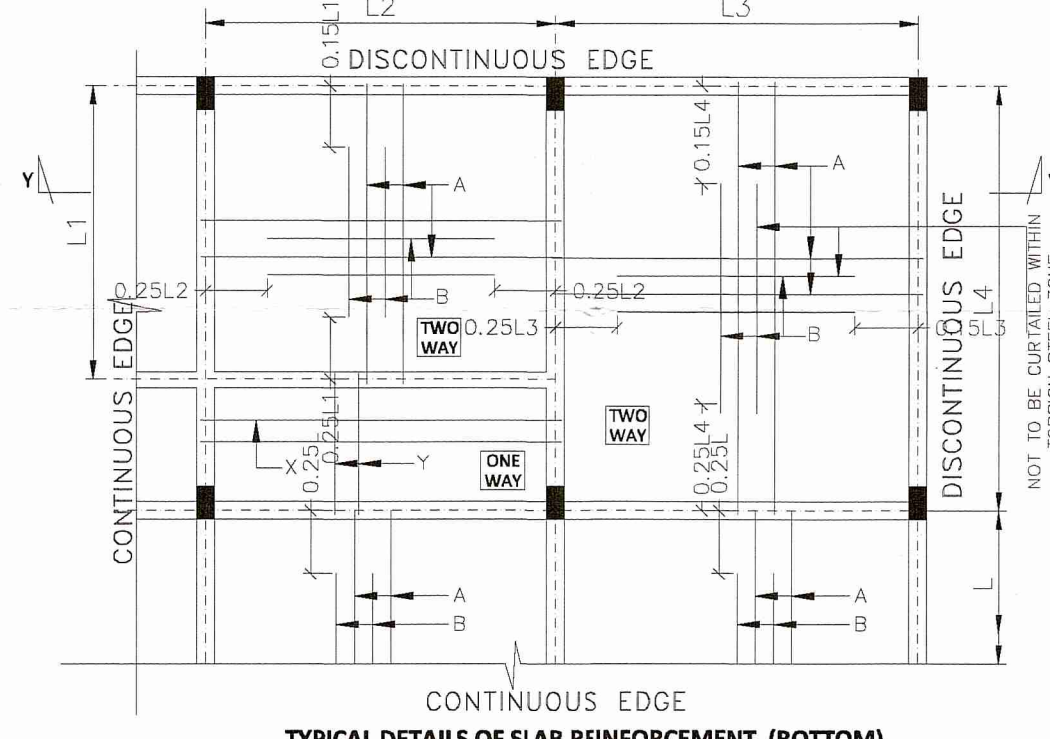
Beam Mkd	Size	All Through	Ext. at End Supp. Top	Ext. at End Supp. Bot	Ext. at Cont. Supp. Top	Ext. at Cont. Supp. Bot	STIRRUPS	Support	Span
TB	250x450	2-20R	2-20R	2-20R	2-20R	2-20R	2L-8R@125C/C	2L-8R@125C/C	

TABLE NO:-2 (SCHEDULE OF FLOOR BEAM)

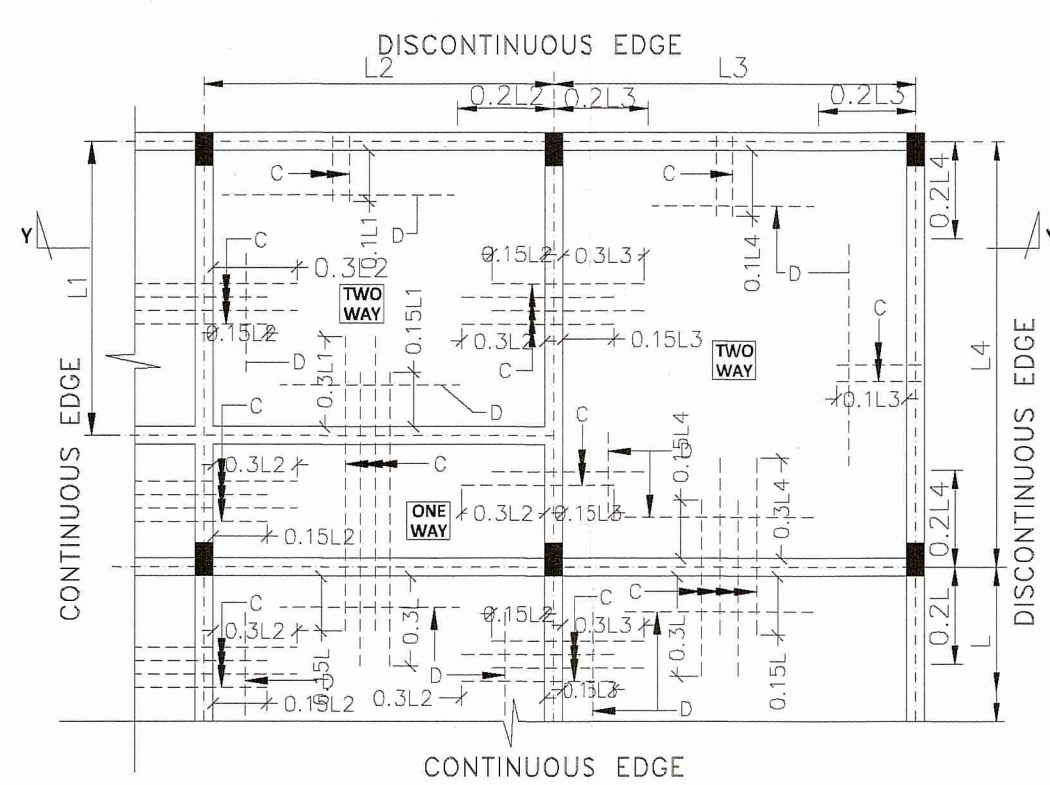
Beam Mkd	Size	All Through	Ext. at End Supp. Top	Ext. at End Supp. Bot	Ext. at Cont. Supp. Top	Ext. at Cont. Supp. Bot	STIRRUPS	Support	Span
FB1	250x450	2-20R	2-20R	2-20R	2-20R	2-20R	2L-8R@125C/C	2L-8R@125C/C	
FB2	250x400	2-20R	2-20R	1-20R	1-20R	1-20R	2L-8R@125C/C	2L-8R@125C/C	
FB3	250x350	2-16R	2-16R	1-16R	1-16R	1-16R	2L-8R@125C/C	2L-8R@125C/C	
CB	250x450	3-20R	2-20R				2L-8R@125C/C	2L-8R@125C/C	
HLB	250x400	2-20R	2-20R	1-16R	1-16R	1-16R	2L-8R@125C/C	2L-8R@125C/C	

TABLE NO:-3 (SCHEDULE OF SLAB)

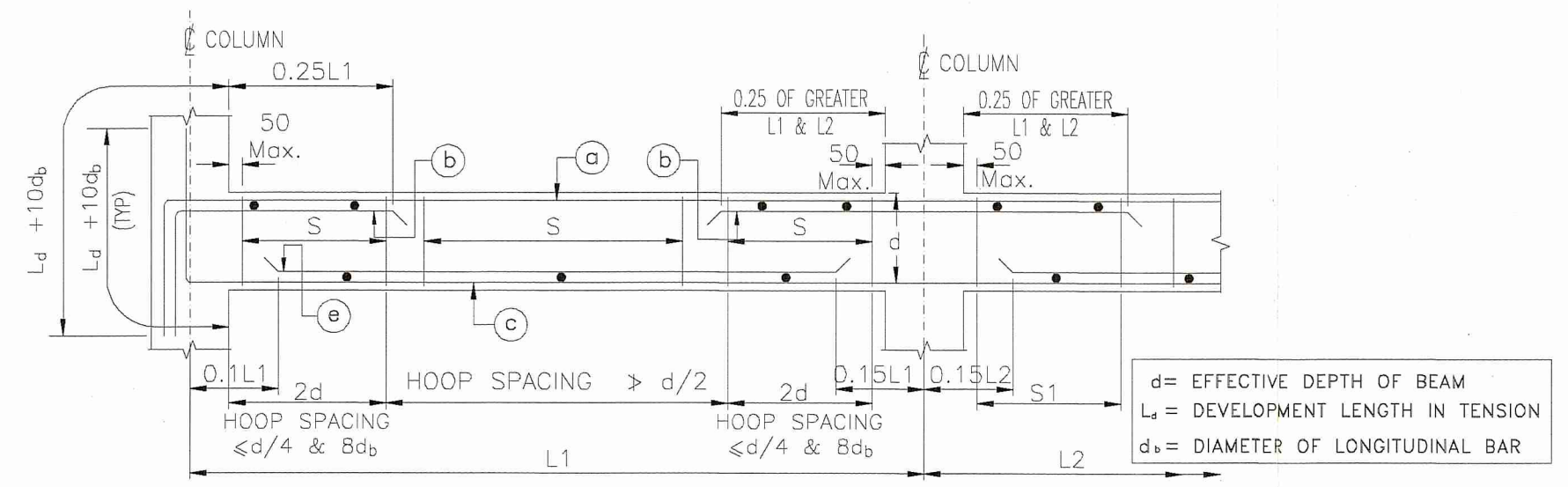
BAR MKD.	REINFORCEMENT	POSITION
A	10T @ 150 mm C/C (ALL THROUGH)	BOT.
B	10T @ 150 mm C/C (ALL THROUGH)	BOT.
C	10T @ 150 mm C/C (CURTAILMENT)	TOP
D	10T @ 150 mm C/C (ALL THROUGH)	TOP
X	10T @ 150 mm C/C (ALL THROUGH)	BOT.
Y	10T @ 150 mm C/C (ALL THROUGH)	BOT.



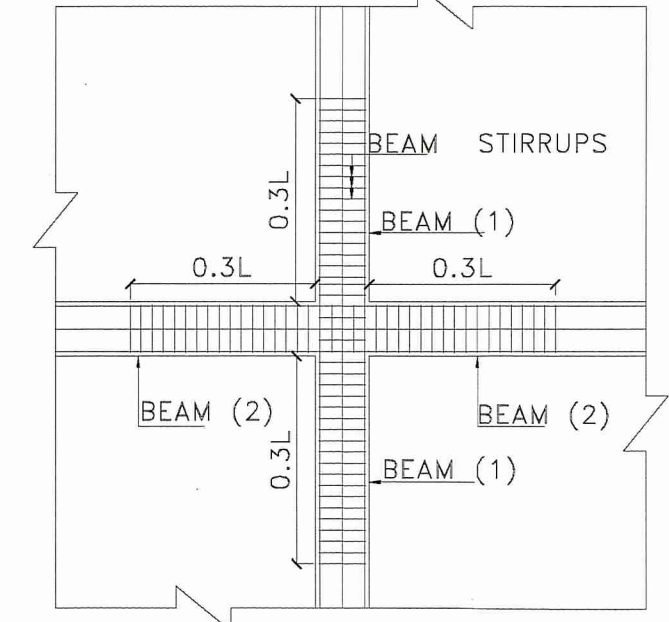
TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
 SCALE: N.T.S.



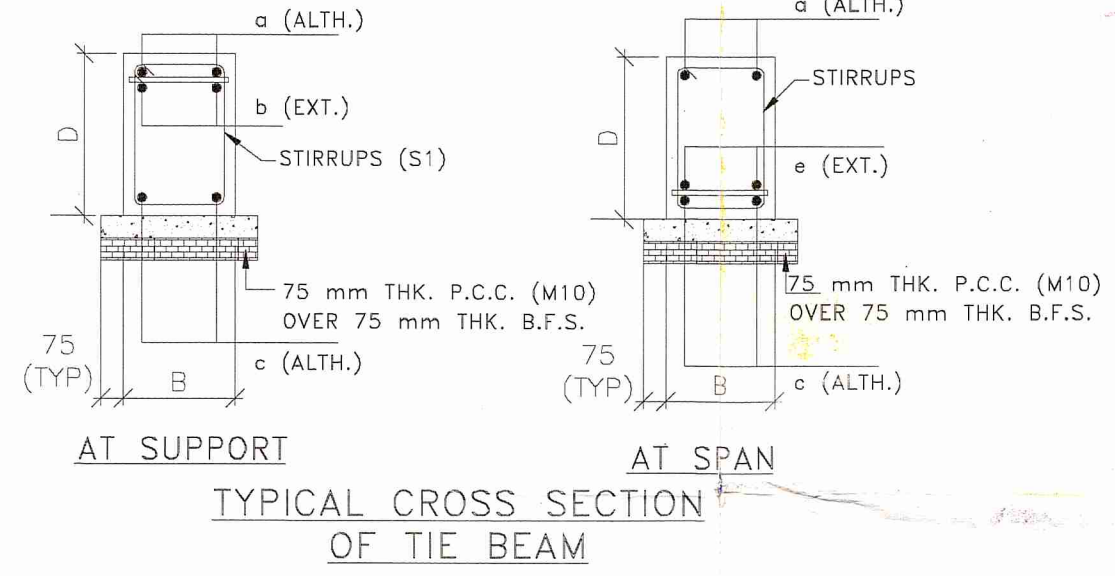
TYPICAL DETAILS OF SLAB REINFORCEMENT
 SCALE: N.T.S.



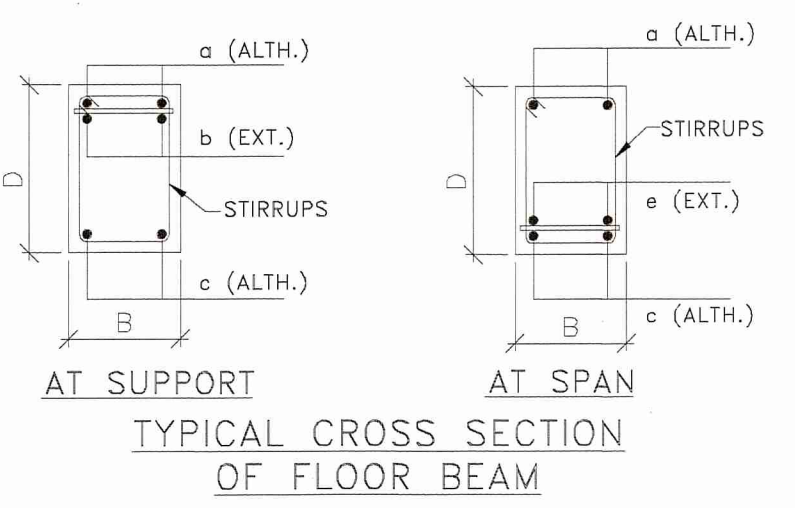
TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM
 FIGURE NUMBER-1



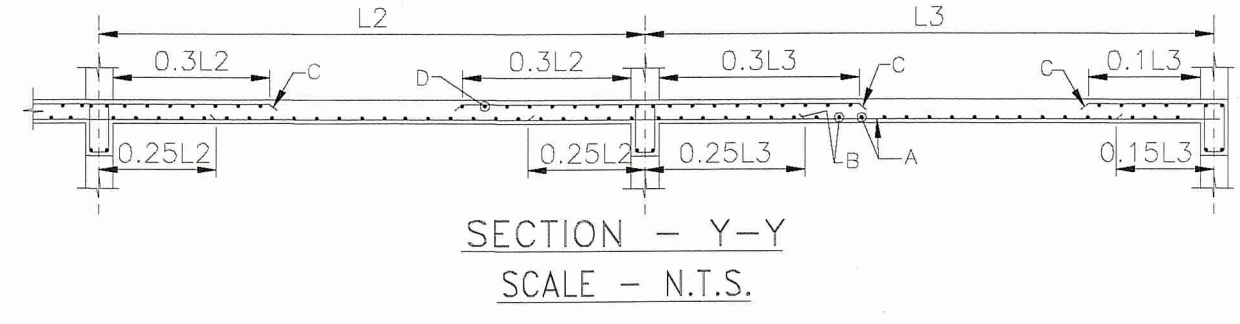
4 DETAILS OF CROSS BEAM JUNCTION
 SCALE: 1:50



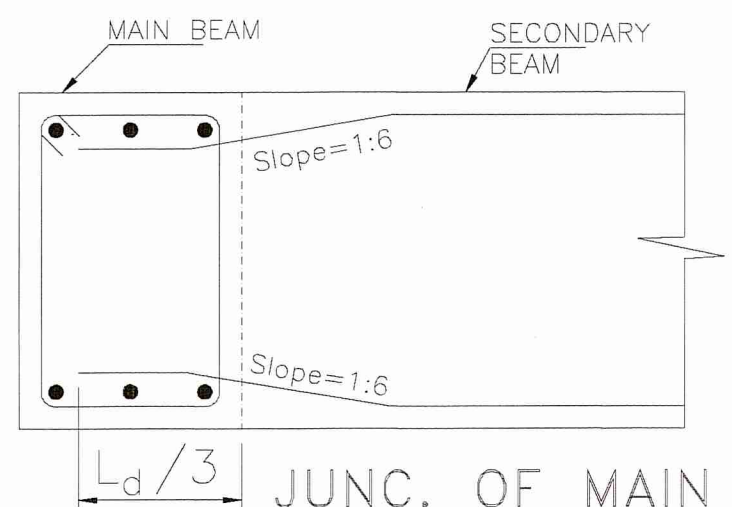
TYPICAL CROSS SECTION OF TIE BEAM



TYPICAL CROSS SECTION OF FLOOR BEAM

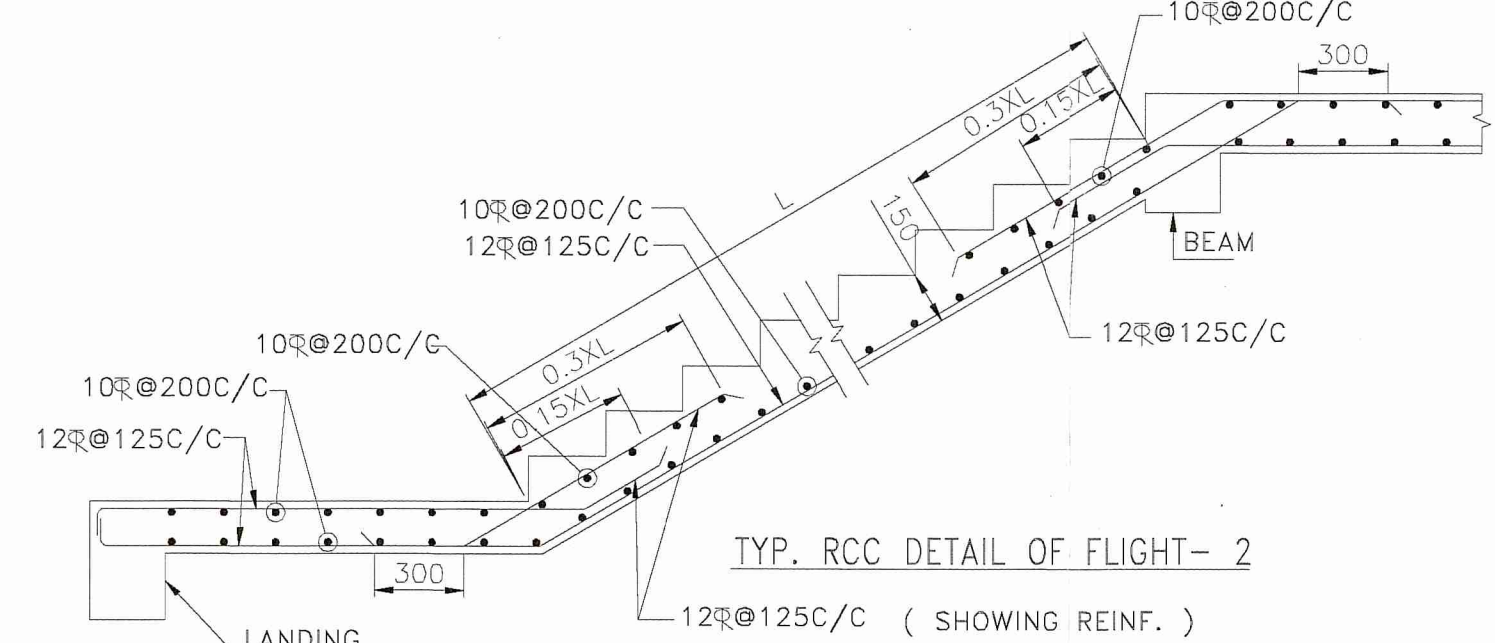


SECTION - Y-Y
 SCALE - N.T.S.

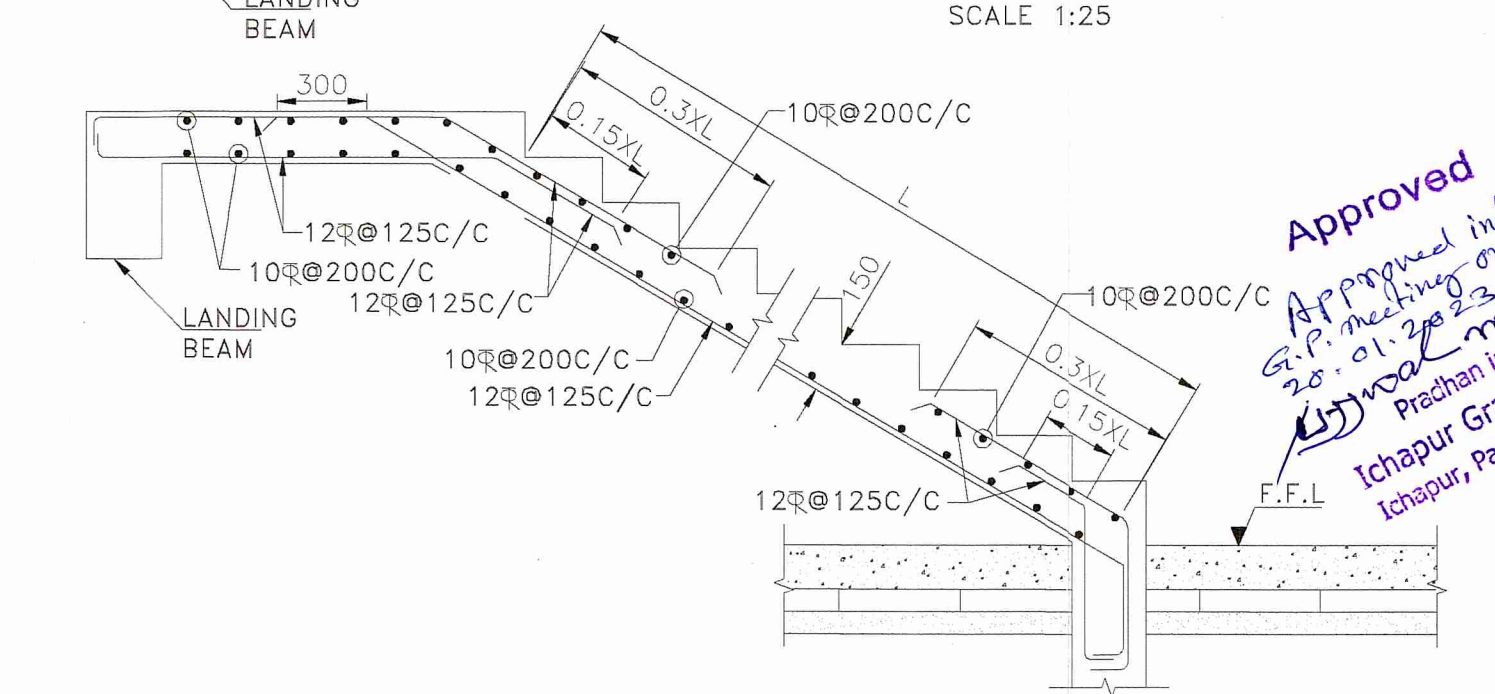


JUNC. OF MAIN AND SEC. BEAM

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



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.

- 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=50xBAR 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:-

Golam Samim
 DURGAPUR BIDISUA NIKETAN
 Partner

VETTED BY:-

Approved in the
 G.P. Meeting on
 20.01.2023
 Prachin in Charge
 Tchapur Gram Panchayat
 Tchapur, Paschim Bardhaman

DR. S. N. MUKHERJEE
 Professor
 CIVIL ENGINEERING DEPT.
 JADAVPUR UNIVERSITY
 KOLKATA-700032, (WB)

TITLE:-

GROUND & TYPICAL FLOOR ROOF BEAM LAYOUT PLAN, SCHEDULE OF ROOF FLOOR BEAM, TIE BEAM LAYOUT PLAN, SCHEDULE OF TIE BEAM, DETAIL OF CROSS BEAM JUNCTION, TYPICAL CROSS SECTION OF FLOOR BEAM, TYPICAL SECTION OF CANTILEVER BEAM, JUNCTION OF MAIN AND SECONDARY BEAM, DETAILS OF STAIR.

SIGNATURE OF ARCHITECT:-

HIRAK GHOSH
 Consultant Civil Engineer - (Class: A)
 Lic. No. - L.B.PM/163/AMC-DMC/IBPO/35
 DCE, B-TECH, G.I.D.S., Durgapur - 3
 Contact No. - 9333233351

SIGNATURE OF GEO-TECHNICAL ENGINEER:-

HIRAK GHOSH
 Civil Engineer
 Lic. No. - L.B.PM/163/AMC-DMC/IBPO/35
 G.I.D.S., Durgapur - 16

SIGNATURE OF STRUCTURAL ENGINEER:-

HIRAK GHOSH
 Structural Engineer
 Lic. No. - L.B.PM/163/AMC-DMC/IBPO/35
 DCE, B-TECH, G.I.D.S., Durgapur - 16
 Contact No. - 9333233351

SCALE : 1:100, 1:50, 1:25, N.T.S

REV-00

DATE : 09.08.2022

SHEET NO:- GIDS/STRUC:-02-02

