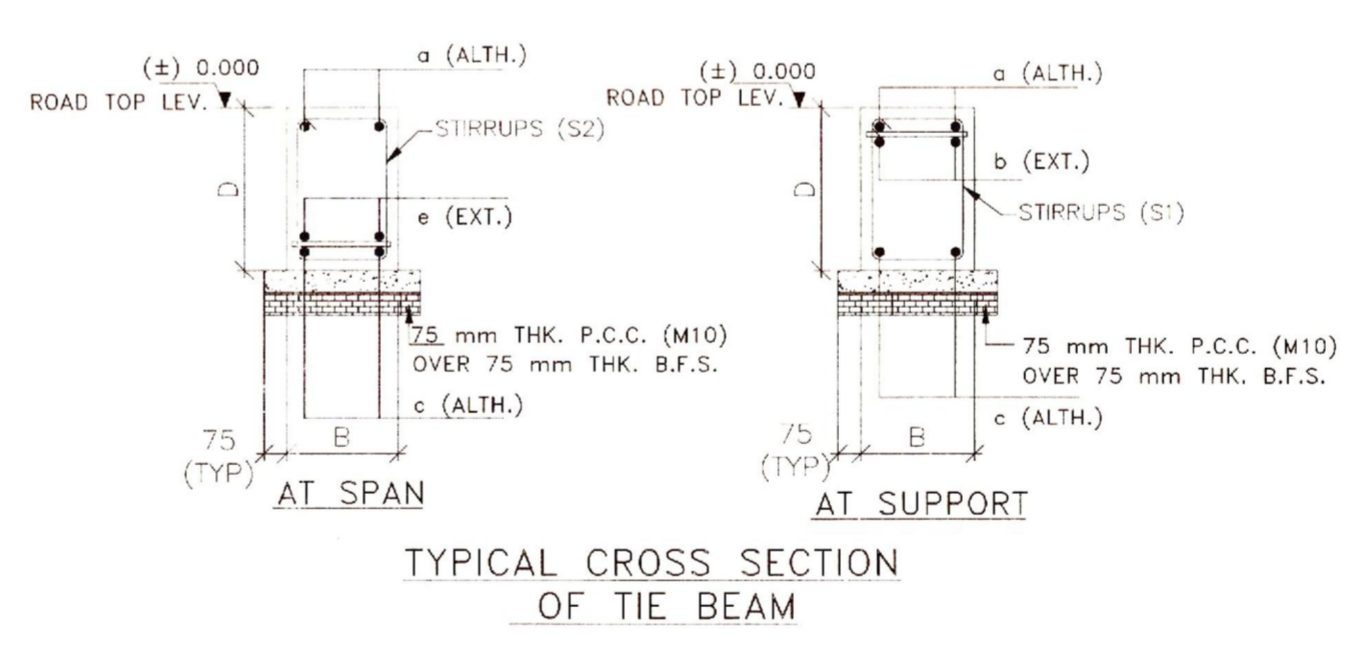
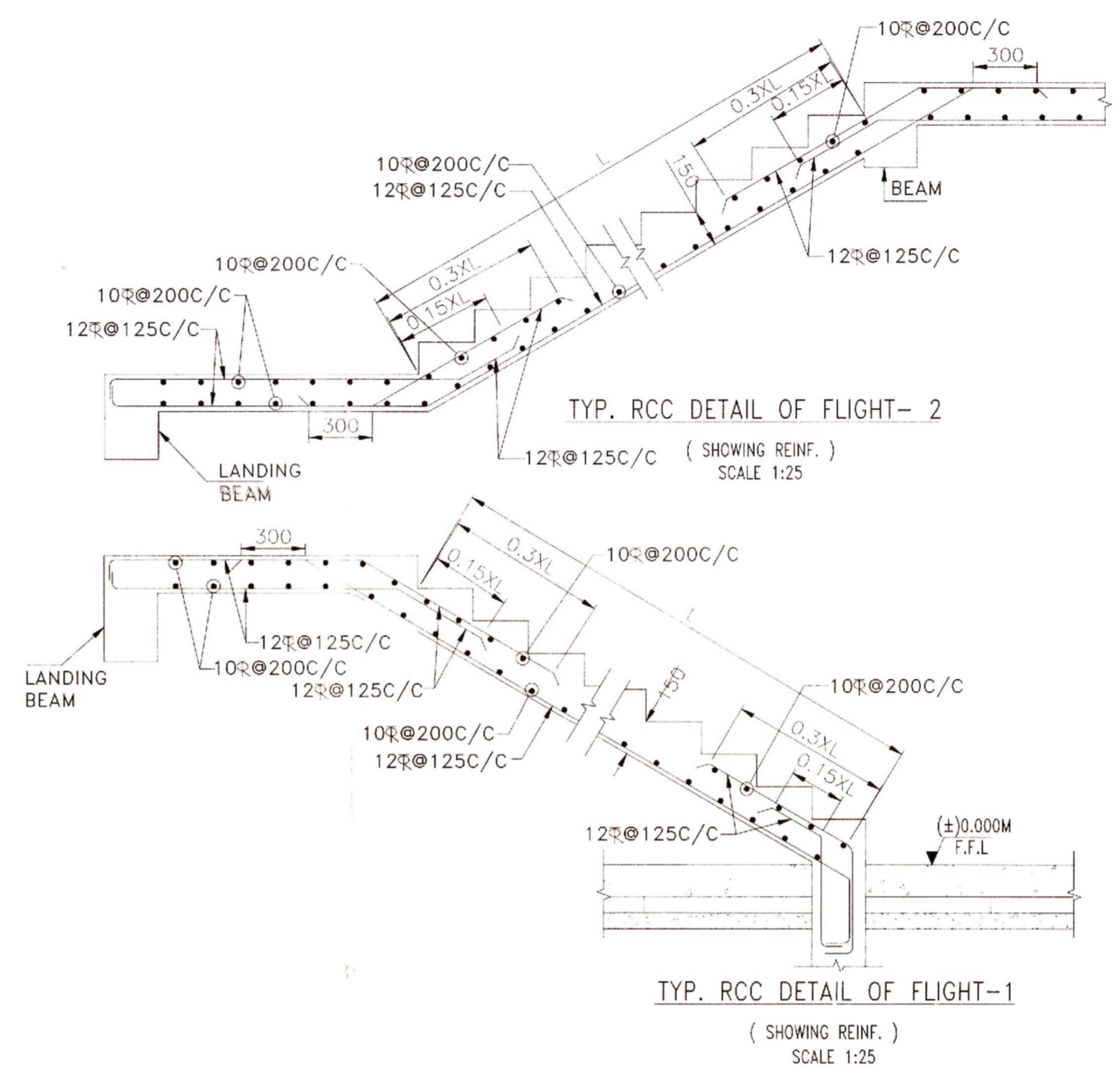


8 TIE BEAM LAYOUT
SCALE: 1:100

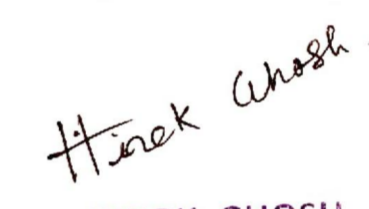
TABLE NO:-01(SCHEDULE OF BEAMS)


Beam	Size	All Through	Ext. at End Supp. Top (e)	Ext. at Span, Bott (e)	Ext. of Cont. Supp. Top (b)	S	T	I	R	R	U	P	S
Mkd	B	D	Top(a)	Bott.(c)		Support(S1)	Span(S2)						
TB1	300	500	2-20	2-20	2-20	2-20	2-20	2L-8	8	125C/C	2L-8	8	150C/C
TB2	300	450	2-16	2-16	2-16	2-16	2-16	2L-8	8	125C/C	2L-8	8	150C/C
TB3	300	400	2-16	2-16	1-16	1-16	1-16	2L-8	8	125C/C	2L-8	8	150C/C





PROJECT NAME:-
 PLAN OF PROPOSED (B+G+5+1) STORIED RESIDENTIAL CUM COMMERCIAL APARTMENT BUILDING OF PITAMBAR DAS, S/O TARAK NATH DAS & MR.SHYMAL DUTTA R.S PLOT NO- 489,486 L.R PLOT NO- 3188/3189,KHATIAN NO.-2371,7332 J.L.NO.-107, MOUZA-FULJHORE, P.S-NEWTOWNSHIP, DIST-PASCHIM BARDHAMAN.
 HOLDING NO:- 113/N & 114/N
 WORD:-25
 DURGAPUR-6


- 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.
 - 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)Footling:-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

SIGNATURE OF STRUCTURAL ENGINEER:-

HIROK GHOSH
 Structural Engineer
 Lic No. LBP/M/153/AMC/OPD/155
 DCE, B.TECH, G.I.D.S, Durgapur - 15
 Contact No. 9332333331

SIGNATURE OF ENGINEER/L.B.S.:-

HIROK GHOSH
 Consultant Civil Engineer - (Class-A)
 Lic No. LBP/M/153/AMC/OPD/155
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 Contact No. 9332333331

CERTIFICATE OF GEO-TECHNICAL ENGINEER:-

MANOJ MAITY
 Civil/Geotechnical Engineer
 CE, MIGS - LM4278
 Lic No. LBP/M/152/AMC
 G.I.D.S, Durgapur - 16

SIGNATURE OF OWNER:-

 Shyaml Dutta
 Pitambar Das.

VETTED BY:-

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

TITLE:-
 TIE BEAM LAYOUT PLAN, SCHEDULE OF TIE BEAM, DETAILS OF STAIRCASE.

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CHECKED BY : H.GHOSH SCALE : 1:100, 1:25.
 DATE : 16.12.2019 REV-00
 SHEET NO:- GIDS/STRU03-05

