



APPROVED

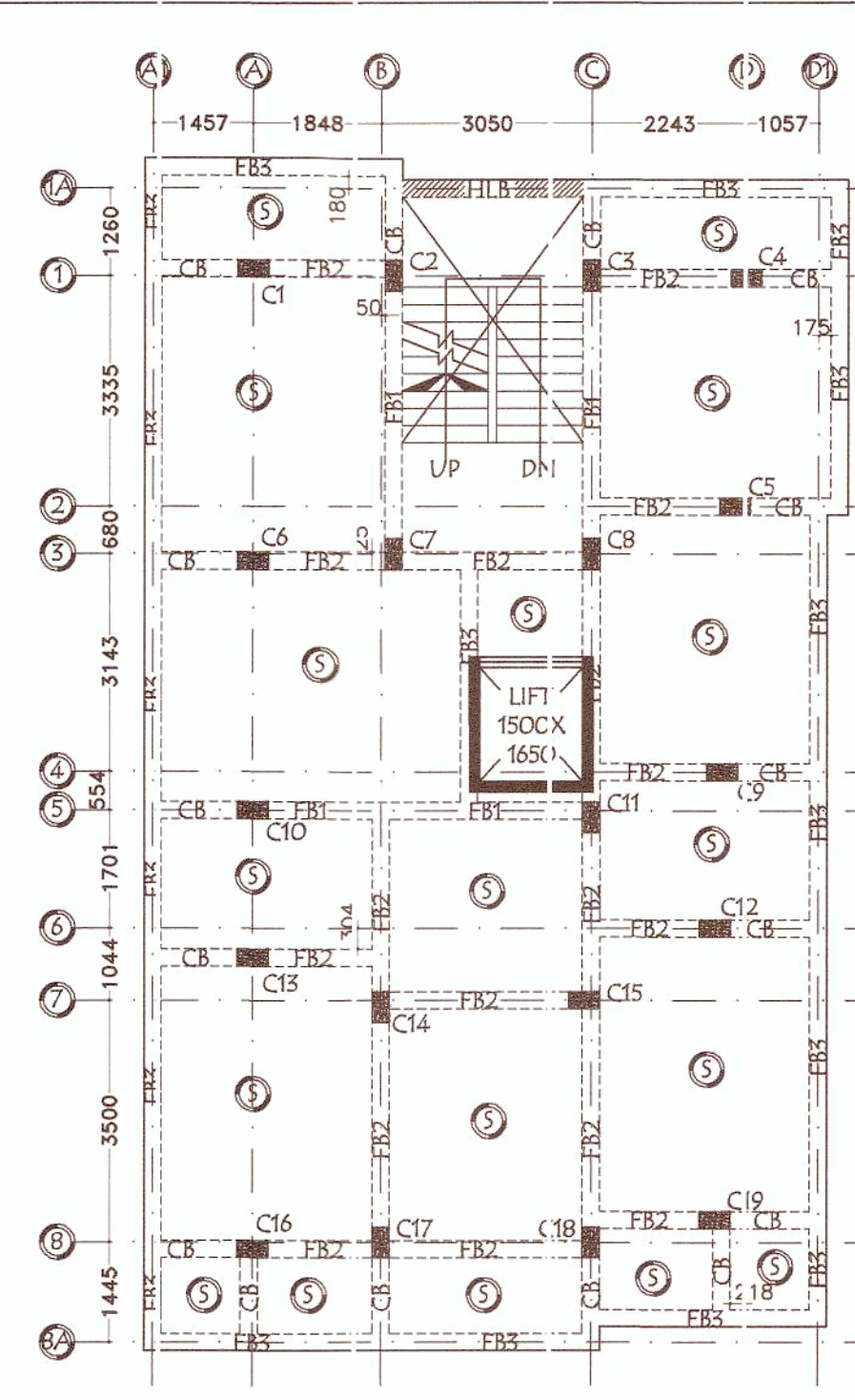
PLAN NO- CB/423/18
 RB/CB/18/BPB/HUT/1
 APN 19 20 20
 20 19 20 20
 DATE 05.08.20

Commissioner
 Durgapur Municipal Corporation

Mohani Lal Mallick
 Planner-in-Charge, Building Plan
 Durgapur Municipal Corporation

PERMISSION IS GRANTED AS PER
 ACT AND REGULATIONS (MIS) 2006
 (SECTION 13)

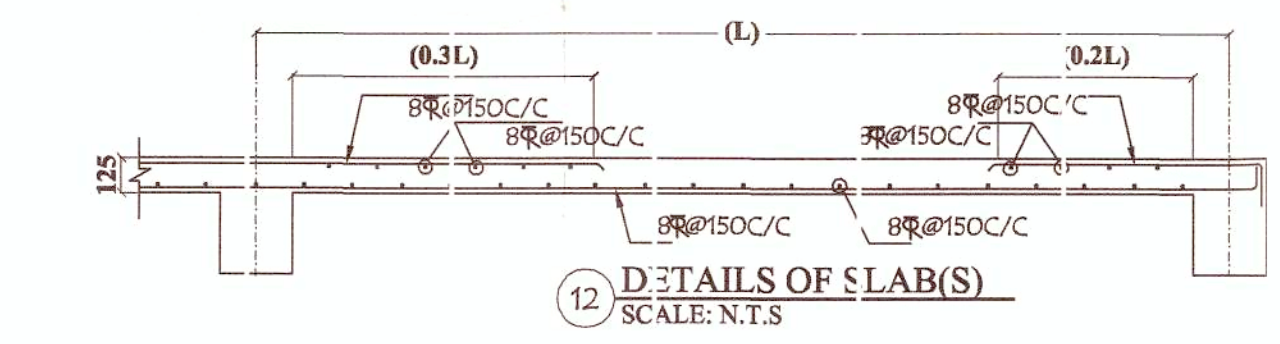
Structural Safety Should
 Be Assured By The Party



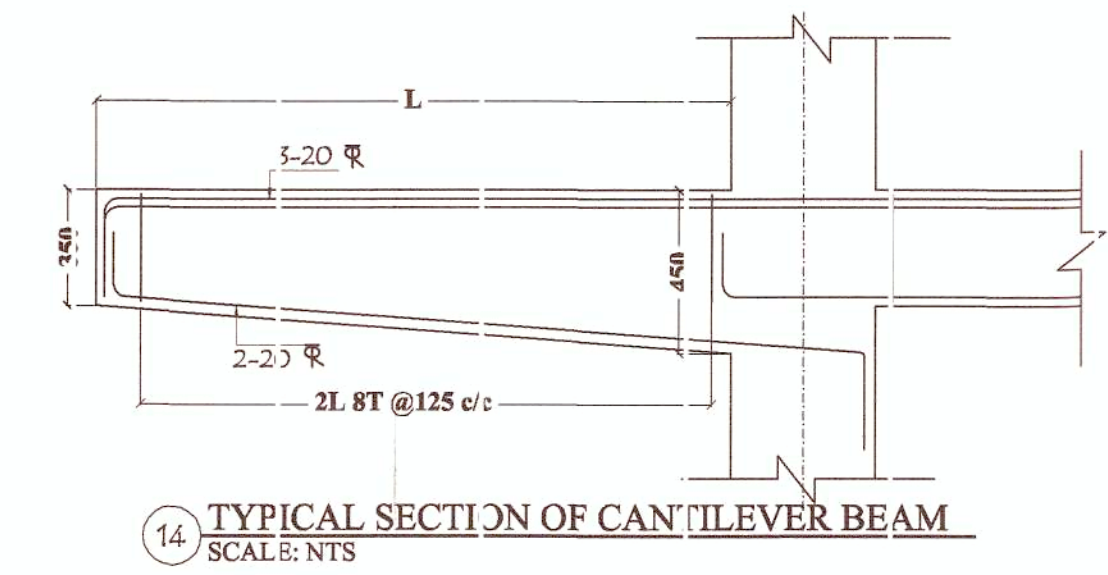
11 FLOOR BEAM LAYOUT PLAN
 SCALE: 1:50

TABLE NO:-01 (SCHEDULE OF BEAMS)

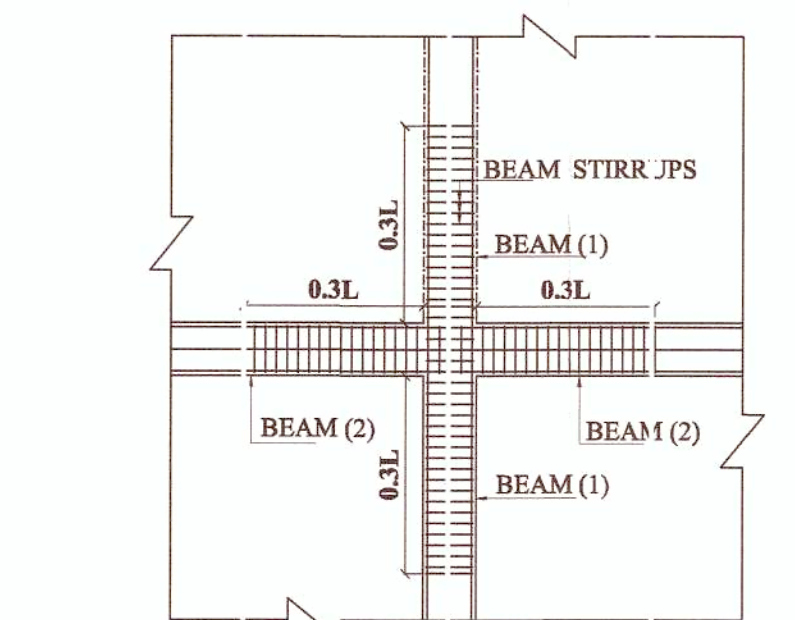
| Beam Mkd | Size | All Through | Ext. at End Supp. Top (b) | Ext. at Span, Bott (e) | Ext. at Cont. Supp. Top (b) | STIRRUPS | |
|----------|---------|-------------|---------------------------|------------------------|-----------------------------|----------|-------------|
| | | | | | | Support | Span |
| FB1 | 250 400 | 2-20R | 2-2C | 2-16R | 2-16R | 2-16R | 2L-8@125C/C |
| FB2 | 250 350 | 2-16R | 2-16R | 2-16R | 2-16R | 2-16R | 2L-8@125C/C |
| FB3 | 250 300 | 2-16R | 2-16R | 2-16R | 2-16R | 2-16R | 2L-8@125C/C |
| CB | 250 450 | 3-20R | 2-2C | | | | 2L-8@125C/C |
| TB1 | 250 400 | 2-20R | 2-2C | 2-16R | 2-16R | 2-16R | 2L-8@125C/C |



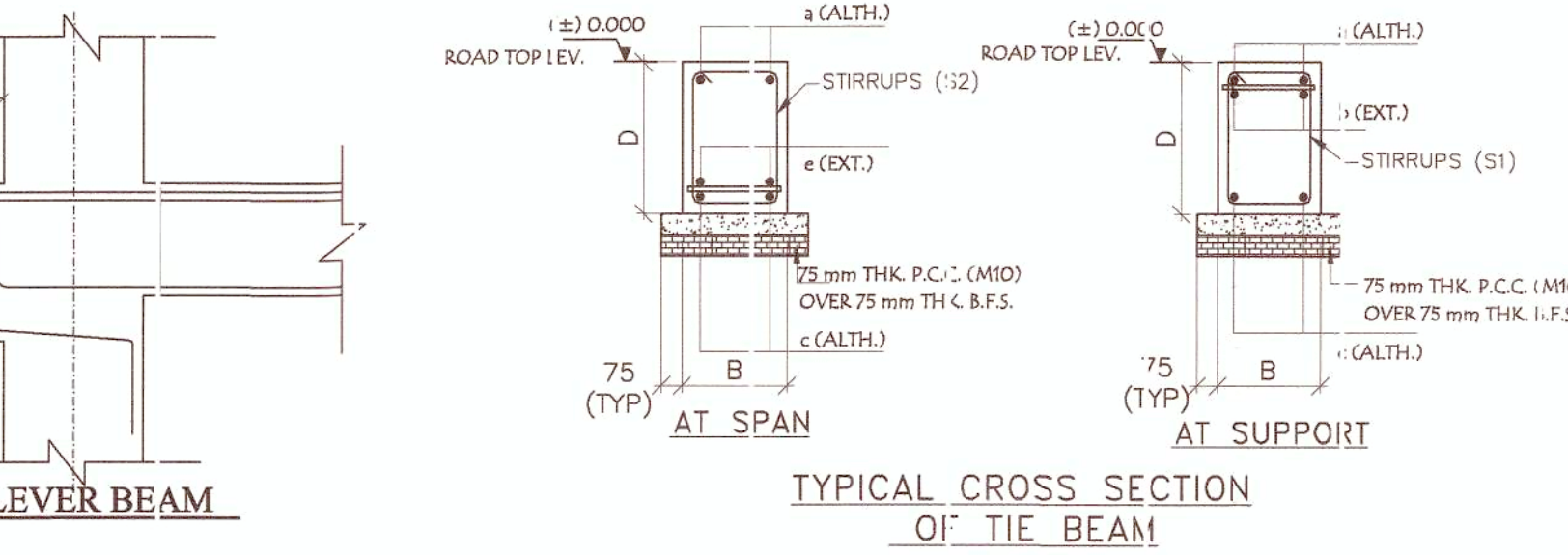
12 DETAILS OF SLAB(S)
 SCALE: N.T.S



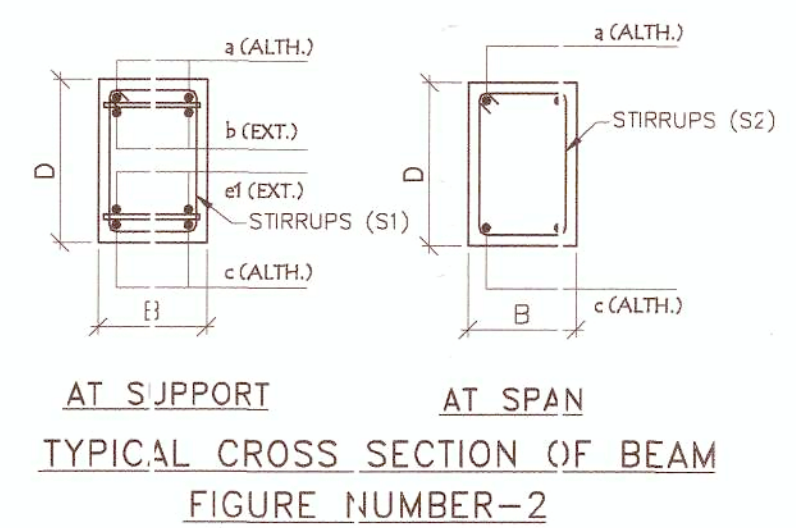
14 TYPICAL SECTION OF CANTILEVER BEAM
 SCALE: N.T.S



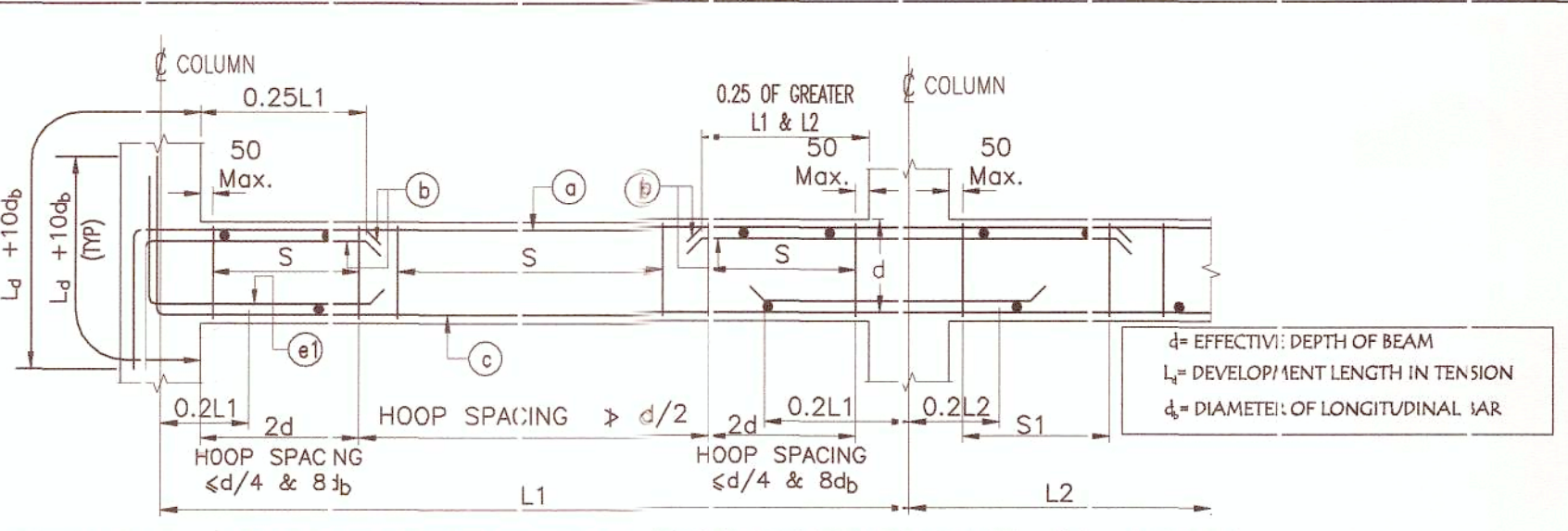
15 DETAILS OF CROSS BEAM JUNCTION
 SCALE: 1:50



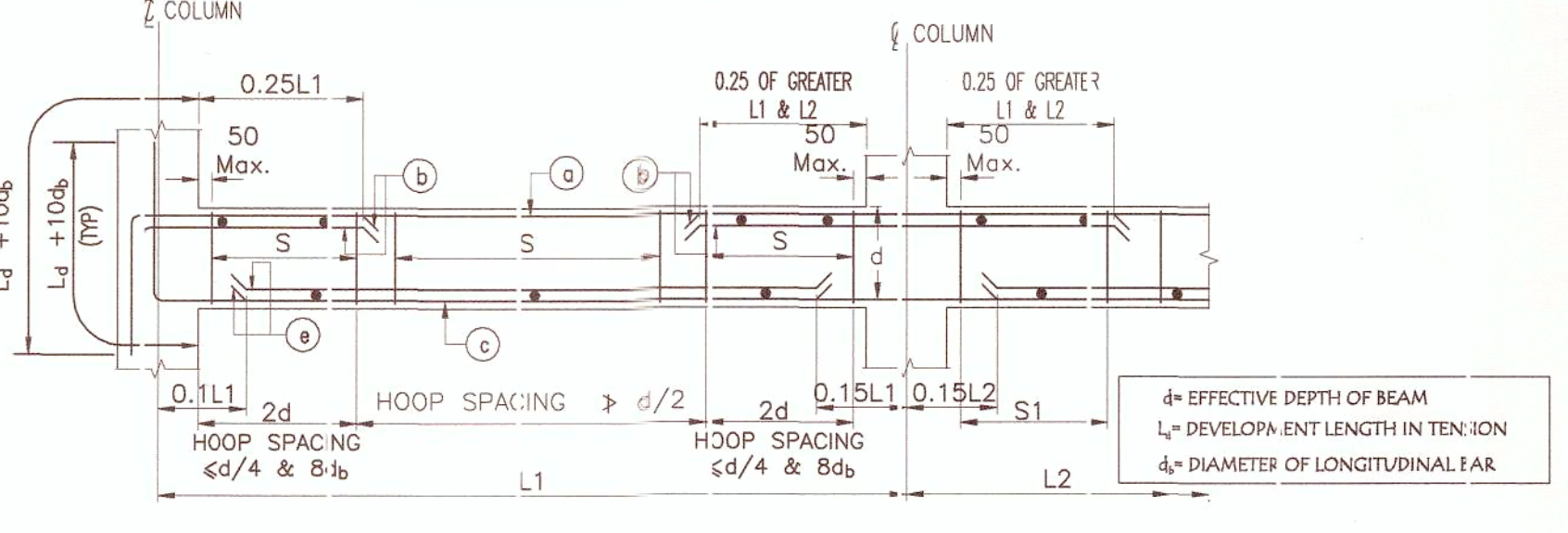
TYPICAL CROSS SECTION OF TIE BEAM



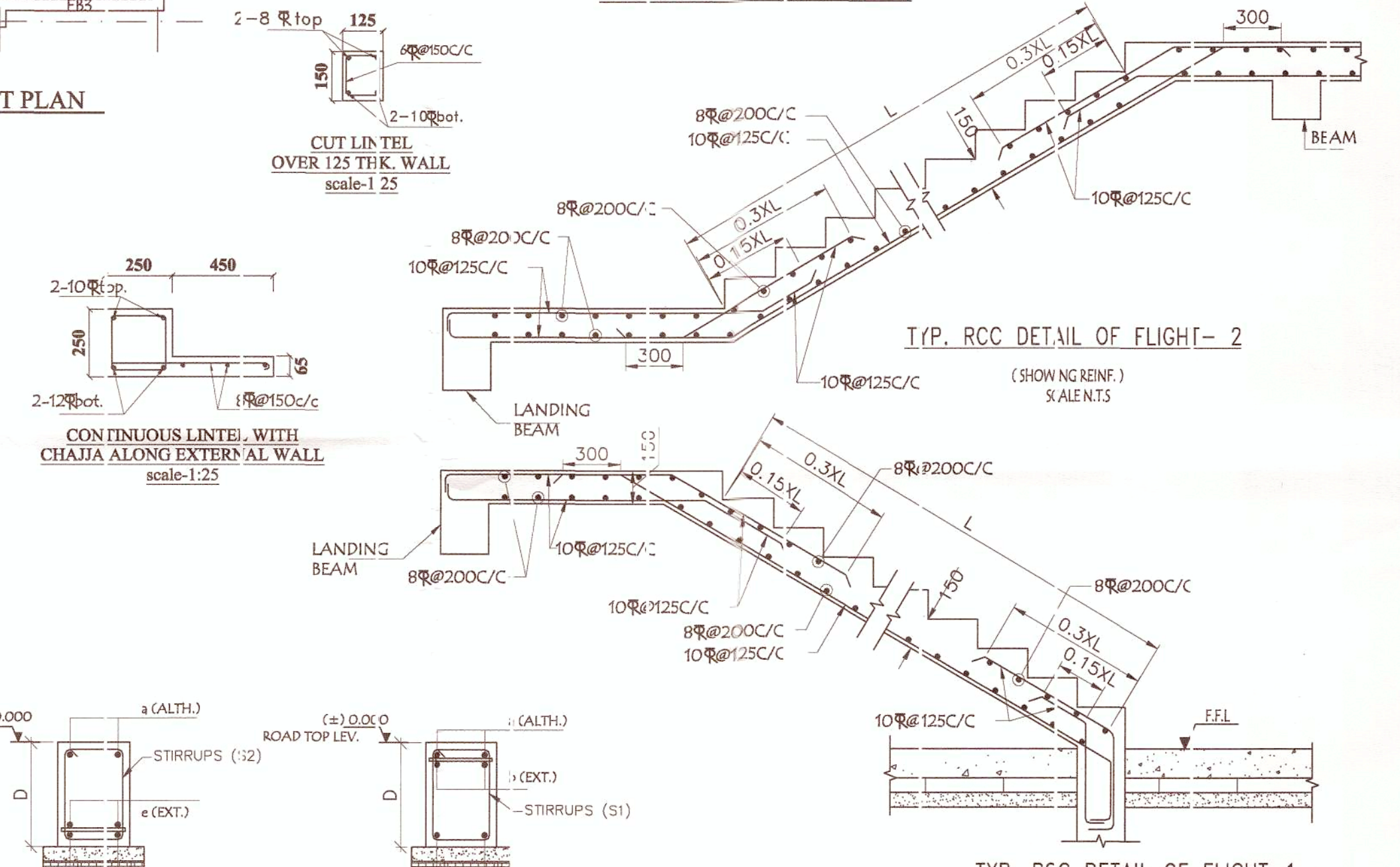
TYPICAL CROSS SECTION OF BEAM
 FIGURE NUMBER-2



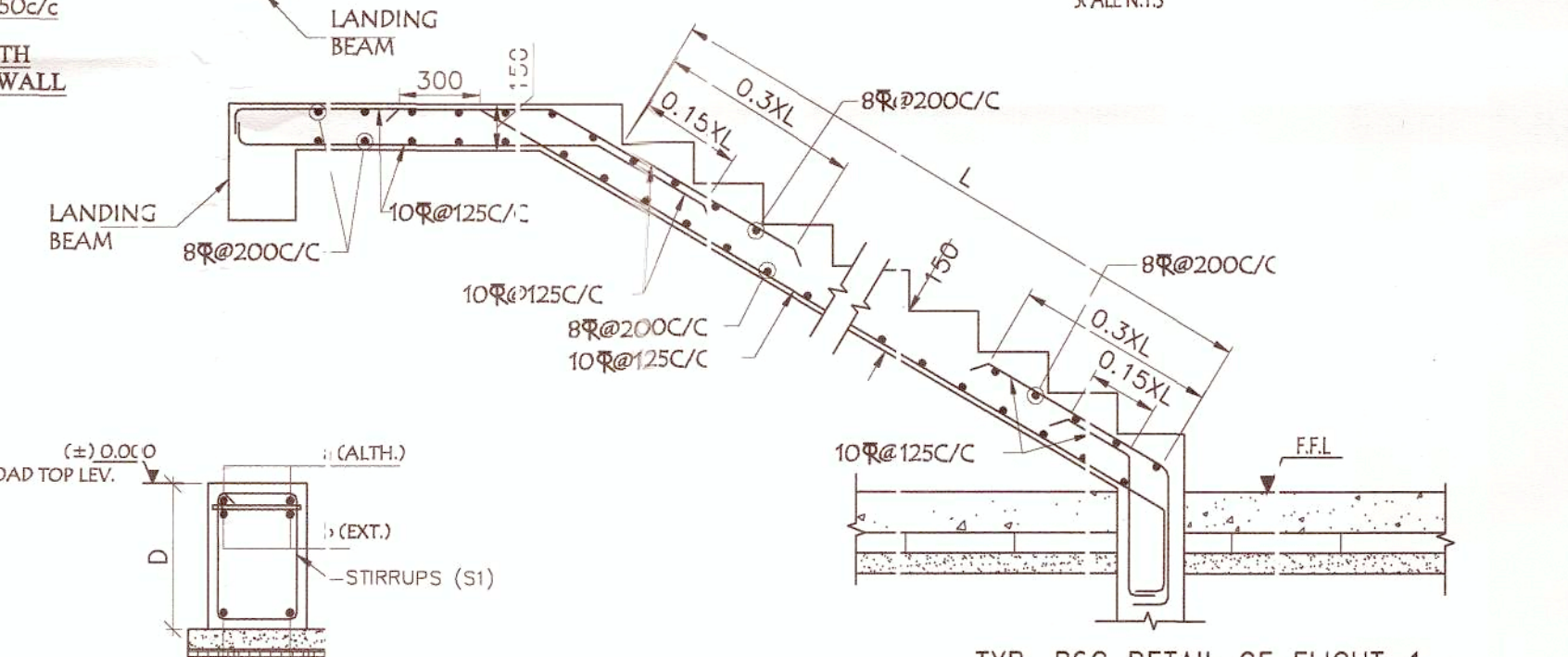
TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM
 FIGURE NUMBER-2



TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM
 FIGURE NUMBER-1

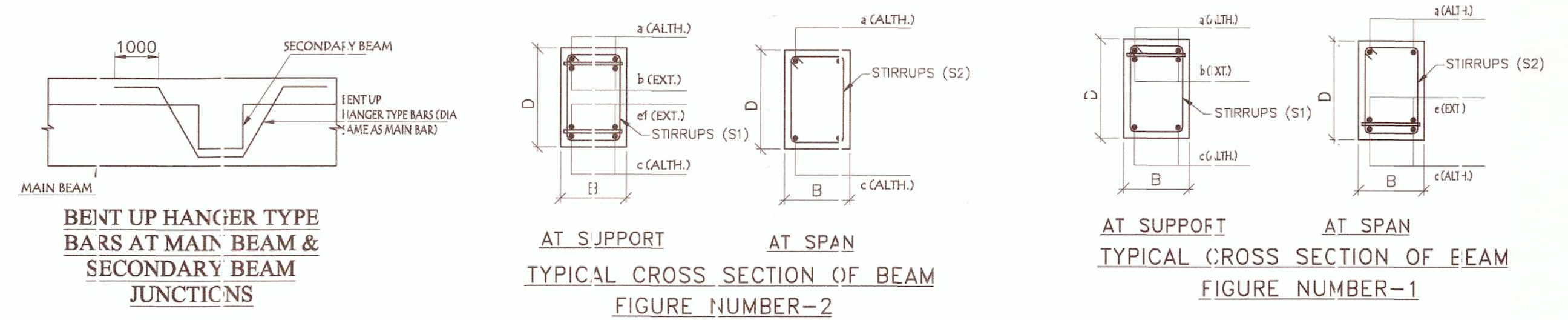


TYP. RCC DETAIL OF FLIGHT-2
 (SHOWING REINF.)
 SCALE: N.T.S



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

13 DETAILS OF STAIR
 SCALE: N.T.S



TYPICAL CROSS SECTION OF BEAM
 FIGURE NUMBER-1

PROJECT NAME:-
 STRUCTURAL DRAWING OF PLAN OF PROPOSED (G+3+1) FIVE STORIED RESIDENTIAL BUILDING OF MR. RAJIB CHAKRABORTY S/O MR. DEHA PRASAD CHAKRABORTY, MR. MANAS CHAKRABORTY S/O MR. DEHA PRASAD CHAKRABORTY, & MRS. MINA CHAKRABORTY W/O MR. DEHA PRASAD CHAKRABORTY, I.R. PLOT NO.-361, KHATIAN NO.-2750,2751,2752, J.L. NO.-074, MOUZA- FARIDPUR, P.S- FARIDPUR, DIST-PASCHIM BARDHAMAN.
 WARD NO.-21
 HOLDING NO.-207

- 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 in locate architectural drawing to be coordinated for all levels. Structural level only (without finish), however architectural drawing to be coordinated for all level.
 - Safe bearing capacity of soil taken -14.6T/SQM
 - Grade of steel F-500.
 - Depth of foundation 1.65 m.
 - The top layer of reinforcement shall be placed over bot layer of reinforcement with chair of 10mm @ 900 c/c.
 - At a time of construction ductile detailing must be followed as per IS:13920.
 - Reinforcement @ 200 C/C binder for top & bot bar as required.
 - CONCRETE COVER TO MAIN REINFORCEMENTS SHALL BE AS FOLLOWS:- a) Beam-25 mm, b) Column-50mm, 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 50d for lap & splices should be provided as per the provisions laid down in SP34:1987

SIGNATURE OF STRUCTURAL ENGINEER:-

Hem Ghosh
 HIROK GHOSH
 Structural Engineer
 Lic No. L.B.PMI/13/AMC/DMC/CPD/165
 DCE, B.TECH, G.I.D.S. Durgapur-16
 Contact No. 933233331

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

Hem Ghosh
 HIROK GHOSH
 Consultant Civil Engineer - (Class-A)
 Lic No. L.B.PMI/13/AMC/DMC/CPD/165
 DCE, B.TECH, G.I.D.S. Durgapur-16
 Contact No. 933233331

VITTED BY:-

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

TITLE:-
 TIE & FLOOR BEAM LAYOUT PLAN,
 DETAILS OF STAIR, SCHEDULE OF BEAM, CROSS SECTION OF TIE BEAM, CANTILEVER BEAM, LINTEL CHAJJA DETAILS.

CERTIFICATE OF GEO-TECHNICAL ENGINEER:-

MAHOMATI
 Geotechnical Engineer
 Lic No. L.B.PMI/13/AMC/DMC/CPD/165
 DCE, B.TECH, G.I.D.S. Durgapur-16
 Contact No. 933233331

SIGNATURE OF OWNER:-

Mina Chakraborty
 Mones Chakraborty
 Rajib Chakraborty



GIDS Engineering Pvt.Ltd.
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 SPECIALIST IN CONSULTING STRUCTURAL DESIGN, SURVEYING & SOIL INVESTIGATING
 OFFICE: C-29, 4th floor, Doctor's Colony, City Centre Durgapur-71216
 Contact No. -9193333333, 917699998140

CHECKED BY: H.GHOSH
 DATE: 25.06.2020
 SCALE: 1:100, 1:50, 1:25, N.T.S.
 REV-00
 SHEET NO:- GIDS/STRU/D.M.C/03-03

