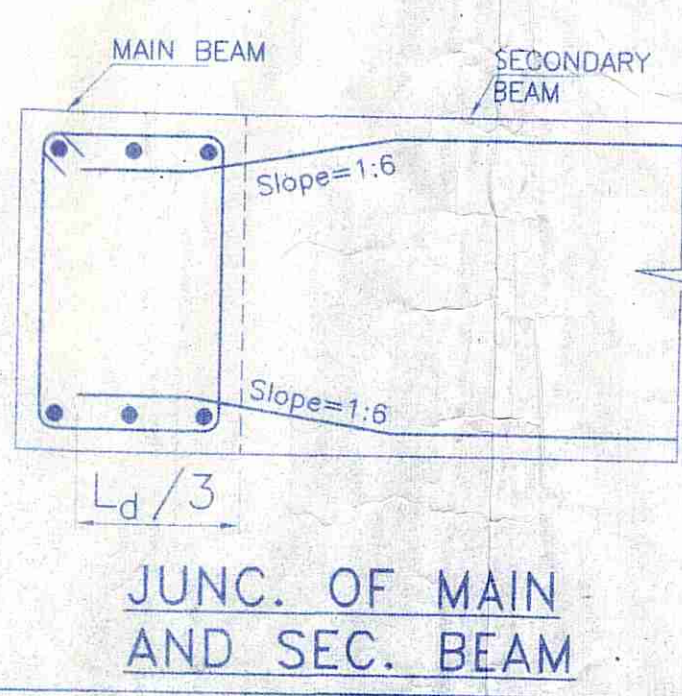
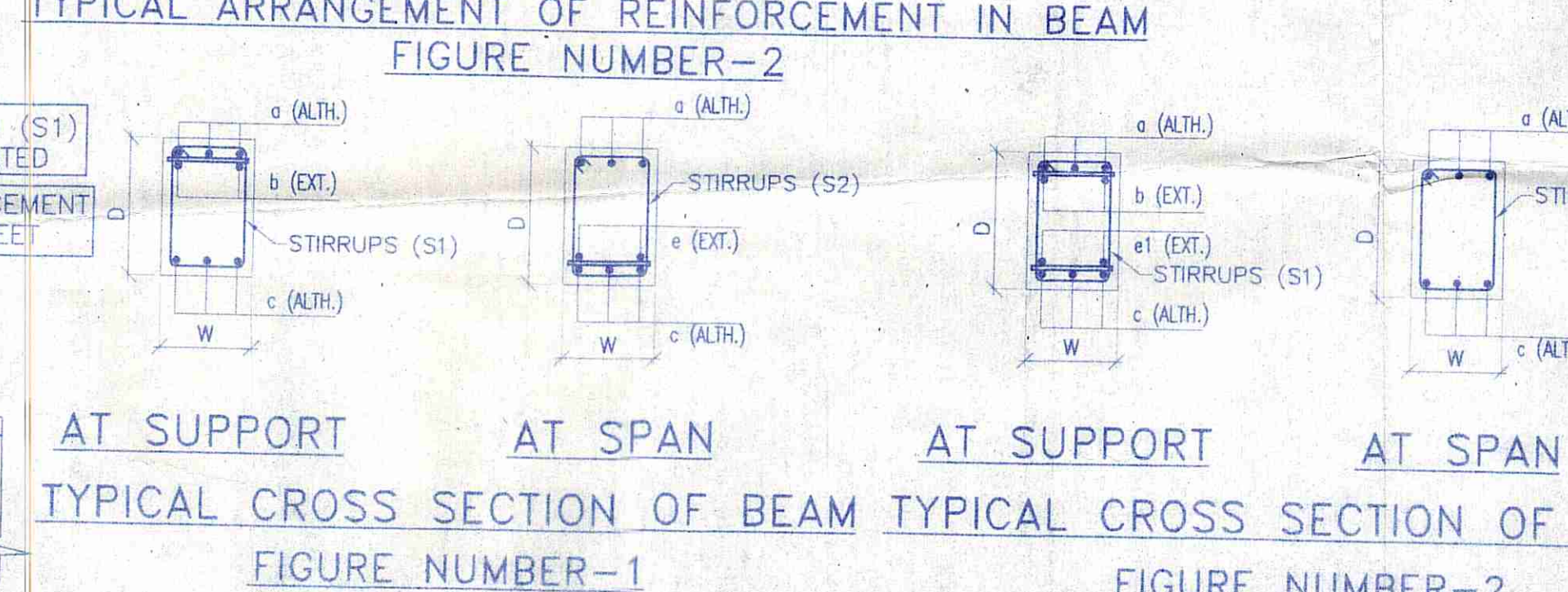
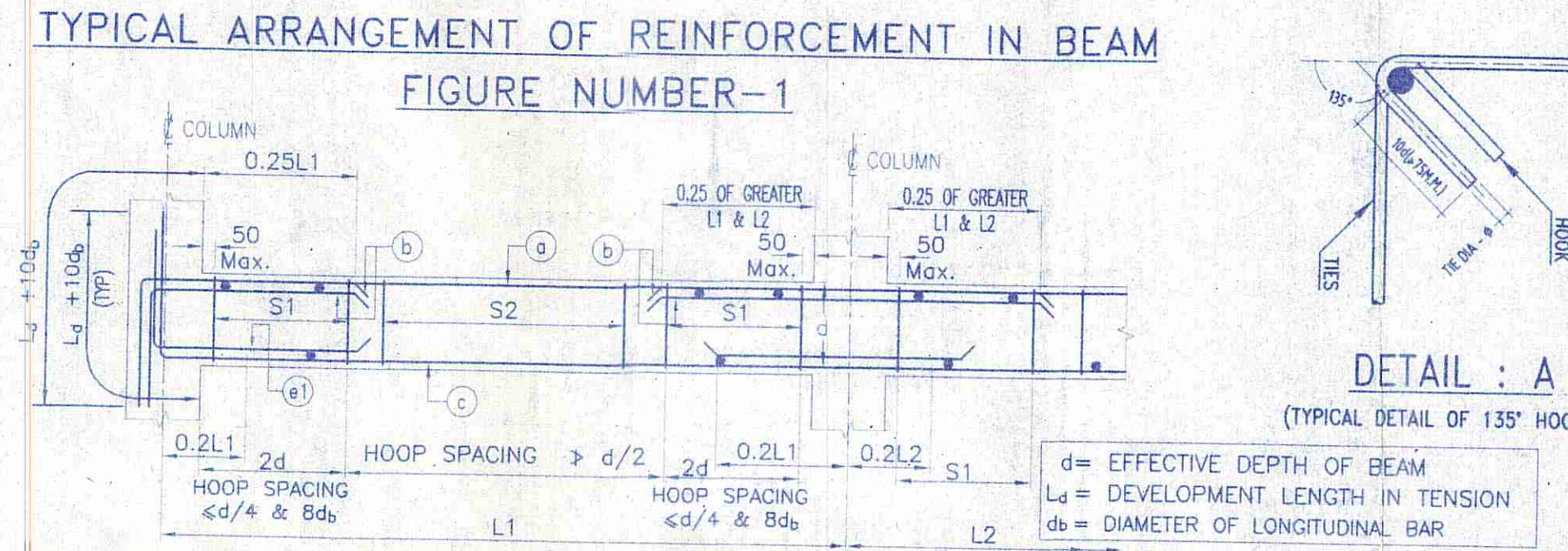
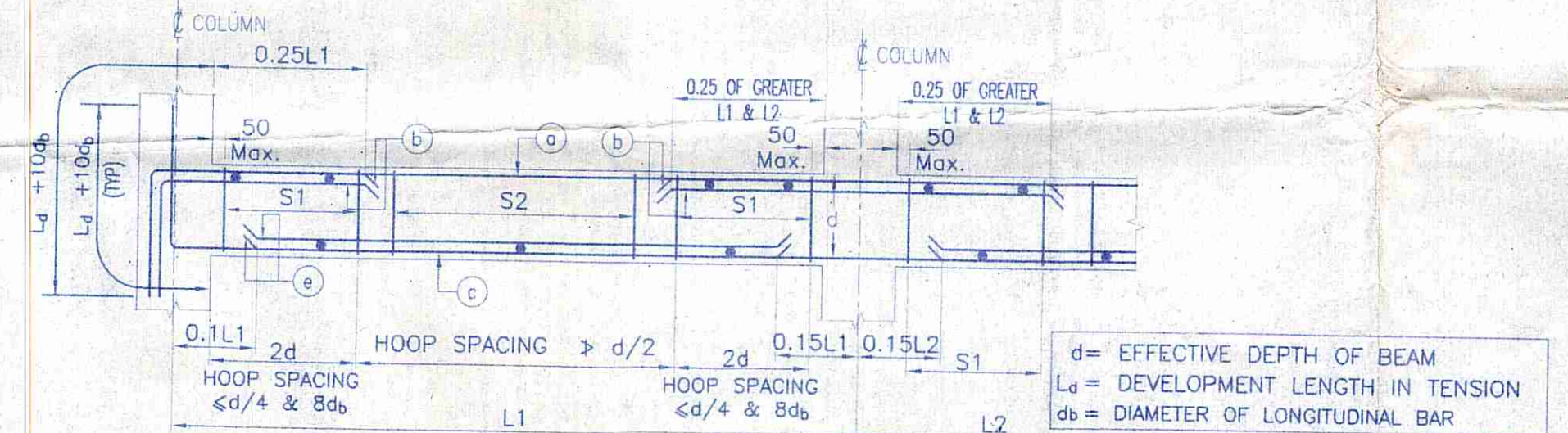


TYPICAL FLOOR BEAMS

BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT			STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)	REMARKS (REFERENCE FIGURE)
	WIDTH (W)	DEPTH (D)	ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SUPPORT	EXTRA AT SPAN			
FB-1	250	500	3-16 Φ	3-16 Φ	3-16 Φ	2-16 Φ	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-2
FB-2	250	500	3-20 Φ	3-20 Φ	2-16 Φ +1-20 Φ	-	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-1
FB-3	250	500	3-20 Φ	2-16 Φ +1-20 Φ	2-16 Φ +1-20 Φ	3-16 Φ	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-1
FB-4	250	450	3-16 Φ	-	3-16 Φ	-	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-1
FB-5	250	500	3-20 Φ	3-20 Φ	3-20 Φ	3-16 Φ	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-2
FB-6	250	500	2-16 Φ +1-20 Φ	2-16 Φ +1-20 Φ	3-16 Φ	-	2-16 Φ	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-1
FB-7	250	500	3-20 Φ	3-20 Φ	3-20 Φ	2-16 Φ +1-20 Φ	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-1
FB-8	250	500	3-16 Φ	-	3-16 Φ	-	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-1
HLB-1	250	500	3-20 Φ	3-20 Φ	3-20 Φ +3-20 Φ	-	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-1

TIE BEAMS SCHEDULE

BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT			STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)	REMARKS (REFERENCE FIGURE)
	WIDTH (W)	DEPTH (D)	ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SUPPORT	EXTRA AT SPAN			
TB-1	250	500	3-16 Φ	3-12 Φ	3-16 Φ	-	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-1
TB-2	250	500	3-16 Φ	-	3-16 Φ	-	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-1
TB-3	250	500	3-16 Φ	3-16 Φ	3-16 Φ	-	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-1
TB-4	250	500	3-16 Φ	3-16 Φ	3-16 Φ	3-16 Φ	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-2
TB-5	250	500	3-20 Φ	3-16 Φ	3-20 Φ	3-16 Φ	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-2
TB-6	250	500	3-16 Φ	3-12 Φ	3-16 Φ	3-12 Φ	-	2L-8 Φ 75 C/C	2L-8 Φ 150 C/C	FIGURE-2



PROJECT NAME:-
 STRUCTURAL DRAWING OF PROPOSED G+8 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF MR. RAJU SINGH S/O LATE KEDAR SINGH, MR. DHANANJOY TEWARI S/O BINDHYACHAL TEWARI, MR. GOLAM SAMIM S/O HABIBUR RAHMAN, J.L. NO-41, L.R. KHATIAN NO-3357, 3354, 3355, L.R. PLOT NO-2306, MOUZA:-PATSAORA, P.S.-DURGAPUR, DIST.-PASCHIM BARDHAMAN

- 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 @ 200 C/C.
 - CONCRETE COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
 - i) BEAM : 25 MM
 - ii) COLUMNS : 40 MM
 - iii) SLAB : 20 MM
 - iv) STAIR : 20 MM
 - v) R.C.C. WALL : 20 MM
 - 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 & SPICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987

SIGNATURE OF OWNER:-
 Golam Samim
 Dhananjoy Tewari
 Raju Singh

SIGNATURE OF STRUCTURAL ENGINEER:-
 HIRAK GHOSH
 Structural Engineer
 Lic. No. L.B.P/M/TECH/MC/DC/BD/165
 DCE, B-TECH, G.L.B.S. Durgapur-713009
 Contact No. - 9303833331

CERTIFICATE & SIGNATURE OF ARCHITECT:-
 Fire Safety Recommendations of West Bengal Fire & Emergency services as stated in Memo no. TN D1/331/FC/S/12/18/2-19/218/19 Dated-19/11/2019 have been complied with the architectural drawing namely proposed G+8 storied building.

Saikat Sarkar
 SAIKAT SARKAR
 Architect & Urban Planner
 CA/2011/52469

CERTIFICATE OF GEO-TECHNICAL ENGINEER:-
 THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT.

S.K. Mandal
 S. K. Mandal
 B.E. (CIVIL), M.I.E., M.I.G.S.
 L.B.S.-Class-I (K.M.C.) ESE-II
 Consulting Chartered Engineer
 Structural & Geo-Technical
 ESE-1199, LBS-11245

VETTED BY:-
 Approved in the G.P. Meeting
 on 21.07.2018
 Pradhan
 Ichhapur Gram Panchayat
 Paschim Bardhaman

TITLE:-
 THE BEAM LAYOUT PLAN, FLOOR BEAM LAYOUT PLAN, SCHEDULE OF TIE BEAMS, SCHEDULE OF FLOOR BEAMS, CROSS SECTIONAL DETAIL OF THE BEAM & FLOOR BEAMS, REINFORCEMENT DETAILS IN BEAMS.

CHECKED BY : H.GHOSH **SCALE :** 1:100, 1:50, 1:25, N.T.S.
DATE : 21.07.2018 **REV:-00**
SHEET NO:- GIDS/ST04-05
 Approved in the G.P. Meeting on 21.07.2018
 Pradhan
 Ichhapur Gram Panchayat
 Paschim Bardhaman
 13.11.2021

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