

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 HABIB RAHAMAN, J.L. NO-41, L.R. KHATIAN NO-3357.3364, 3365, L.R. PLOT NO-2306, MOUZA:-PATSAORA, P.S.-DURGAPUR, DIST:-PASCHIM BARDHAMAN

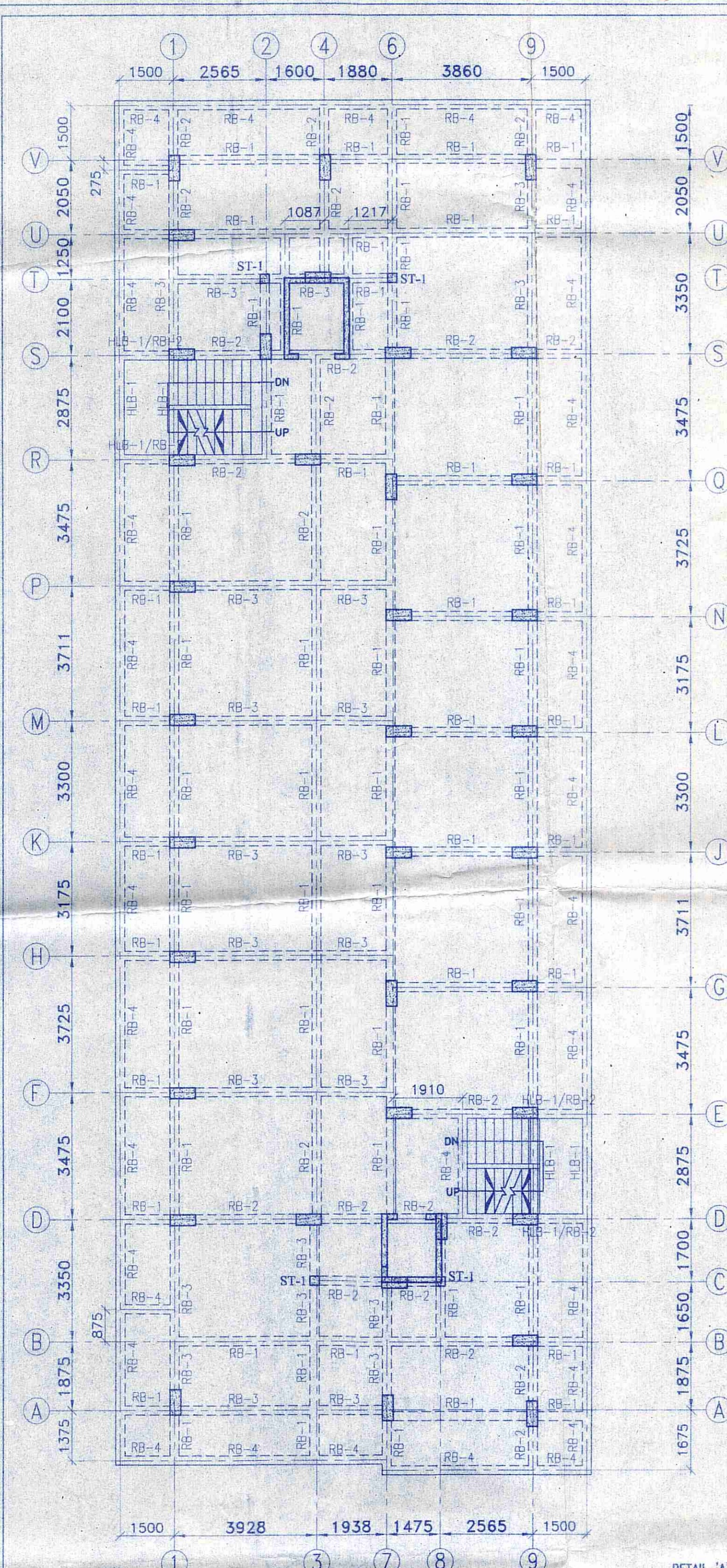
- NOTES :-**
- (±) 0.00 M. LEVEL REFERS TO E.G.L.
 - UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
 - ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER, EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL 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 1MT. 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=50*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
 Dhananjay Tewari
 Raju Singh.

SIGNATURE OF STRUCTURAL ENGINEER:-
 HIROK GHOSH
 Structural Engineer
 Lic No. L.B.PM/183/AMC/DMC/BPD/165
 DCE, B.TECH, G.T.D.S., Durgapur, WB
 Contact No. 9333233351

CERTIFICATE & SIGNATURE OF ARCHITECT:-
 Fire Safety Recommendations of West Bengal Fire & Emergency services as stated in Memo no-TND/WB/FES/2018/2019/2018 Dated-12/11/2018 have been complied with the architectural drawing namely proposed (G+8) storied building
 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
 B.E. (Civil), M.T.E., M.I.G.S.
 L.B.S. Class-I (K.R.C.) ESE-II
 Consulting Chartered Engineer
 Structural & Geo-Technical
 ESE-II/399, LBS-II/1245



ROOF FLOOR BEAM AND SLAB LAYOUT PLAN

ALL SLAB THICKNESS = 150 mm (S1) THICK UNLESS OTHERWISE STATED
 PLEASE FIND THE SLAB REINFORCEMENT DETAILS IN THE SEPARATE SHEET
 SCALE 1:100

DETAILS OF COLUMN HOOP REINFORCEMENT

SLAB THICKNESS - 150 mm (S2)

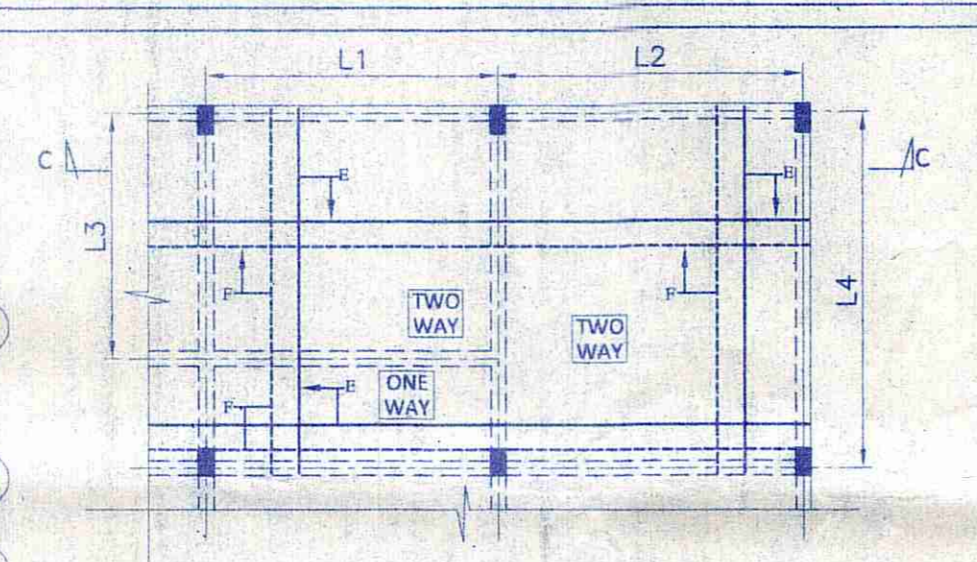
BAR MKD.	REINFORCEMENT	POSITION
E	10T @ 150 mm C/C (ALL THROUGH)	BOT.
F	10T @ 150 mm C/C (ALL THROUGH)	TOP

SLAB THICKNESS - 150 mm (S1)

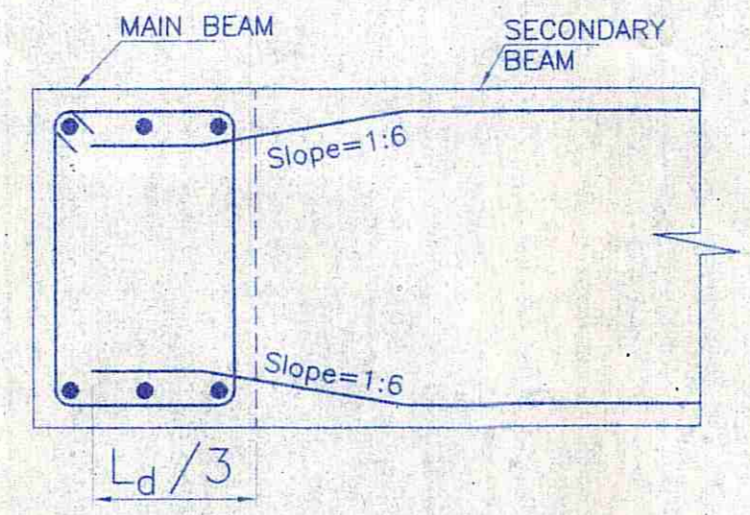
BAR MKD.	REINFORCEMENT	POSITION
A	10T @ 175 mm C/C (ALL THROUGH)	BOT.
B	10T @ 175 mm C/C (CURTAILMENT)	BOT.
C	10T @ 175 mm C/C (CURTAILMENT)	TOP
D	10T @ 250 mm C/C (ALL THROUGH)	TOP
X	10T @ 150 mm C/C (ALL THROUGH)	BOT.
Y	10T @ 150 mm C/C (ALL THROUGH)	BOT.

SLAB THICKNESS - 200 mm (S3)

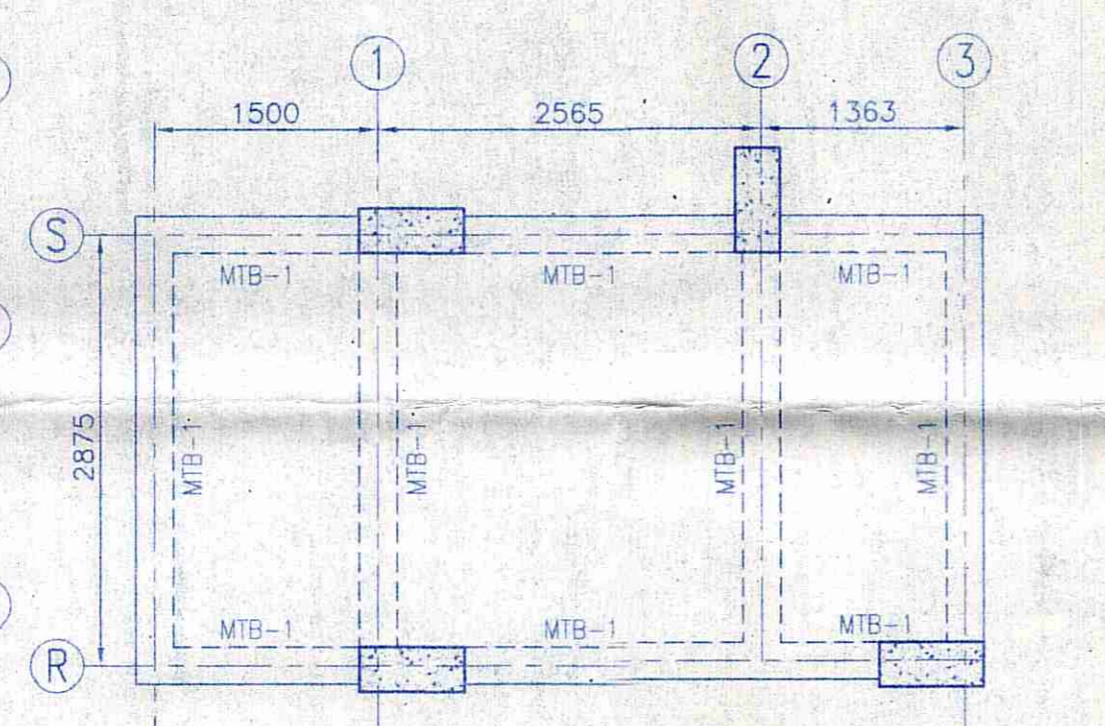
BAR MKD.	REINFORCEMENT	POSITION
E	10T @ 150 mm C/C (ALL THROUGH)	BOT.
F	10T @ 150 mm C/C (ALL THROUGH)	TOP



TYPICAL DETAILS OF SLAB REINFORCEMENT (S2)
 SCALE - N.T.S.

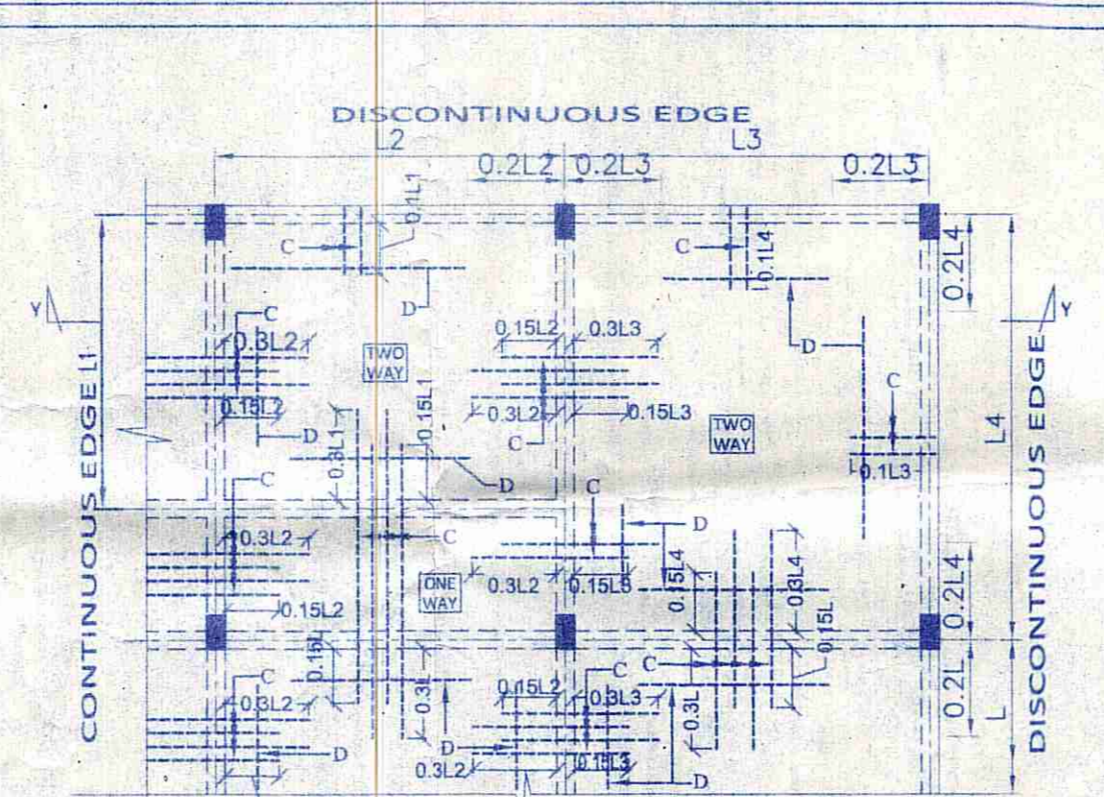


JUNC. OF MAIN AND SEC. BEAM

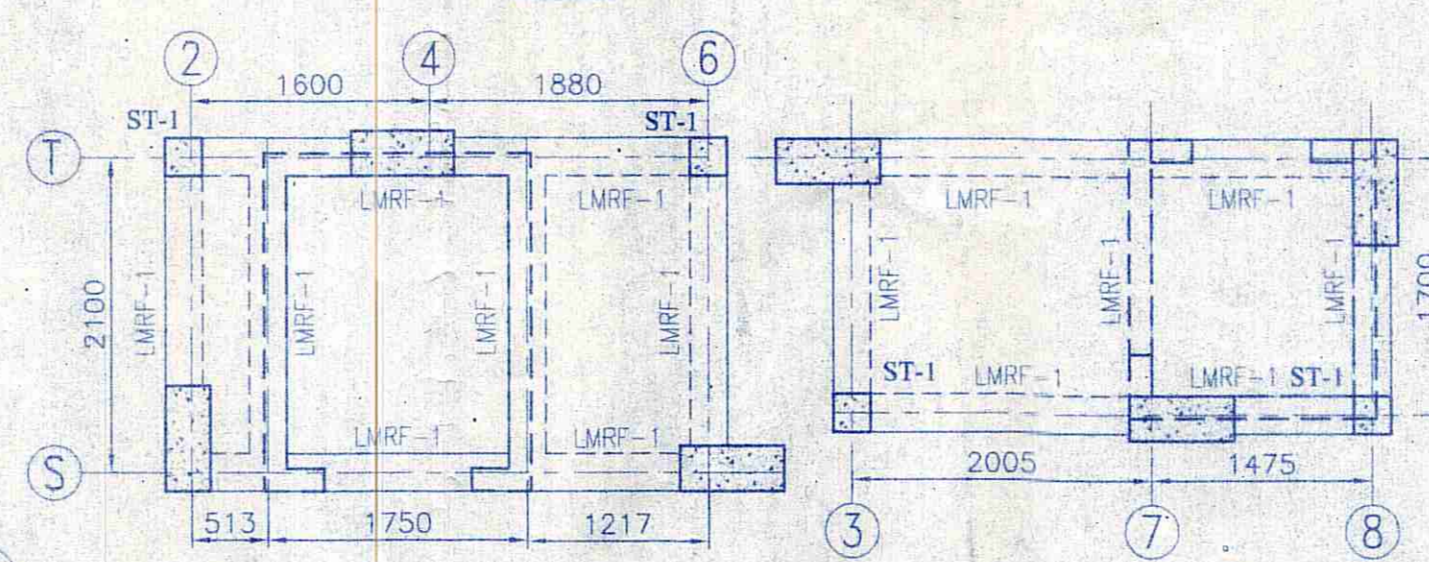


MUMTY BEAM & SLAB LAYOUT PLAN

ALL SLAB THICKNESS = 150 mm (S1) THICK UNLESS OTHERWISE STATED
 SCALE 1:50

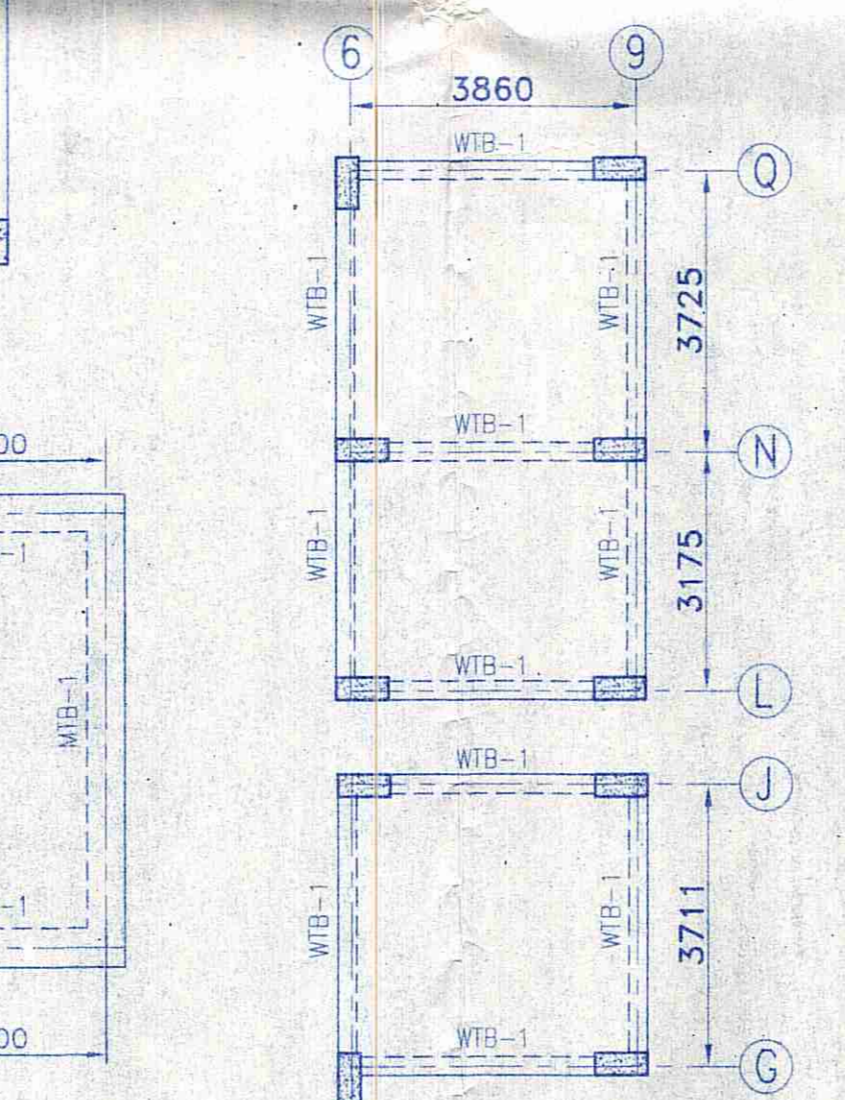


TYPICAL DETAILS OF SLAB REINFORCEMENT
 SCALE - N.T.S.



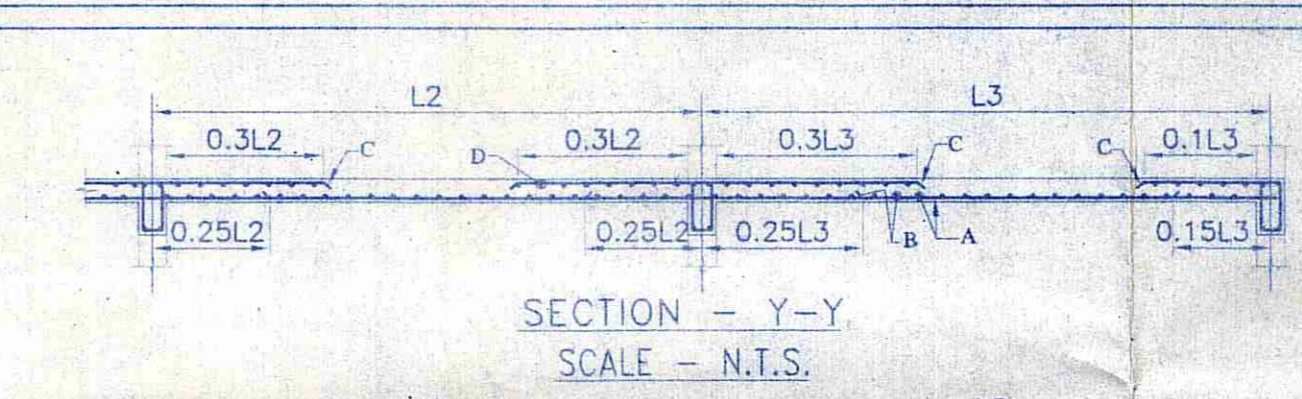
LMR FLOOR BEAM & SLAB LAYOUT PLAN

ALL SLAB THICKNESS = 150 mm (S2) THICK UNLESS OTHERWISE STATED
 SCALE 1:50



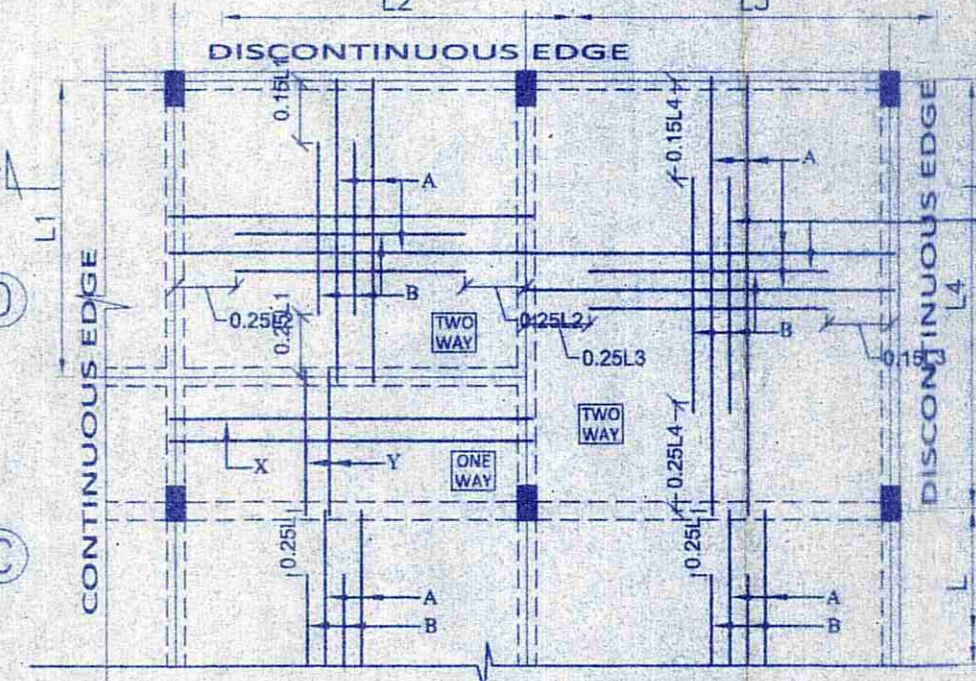
WATER TANK PLATFORM BEAM AND SLAB LAYOUT PLAN

ALL SLAB THICKNESS = 200 mm (S3) THICK UNLESS OTHERWISE STATED
 SCALE 1:100

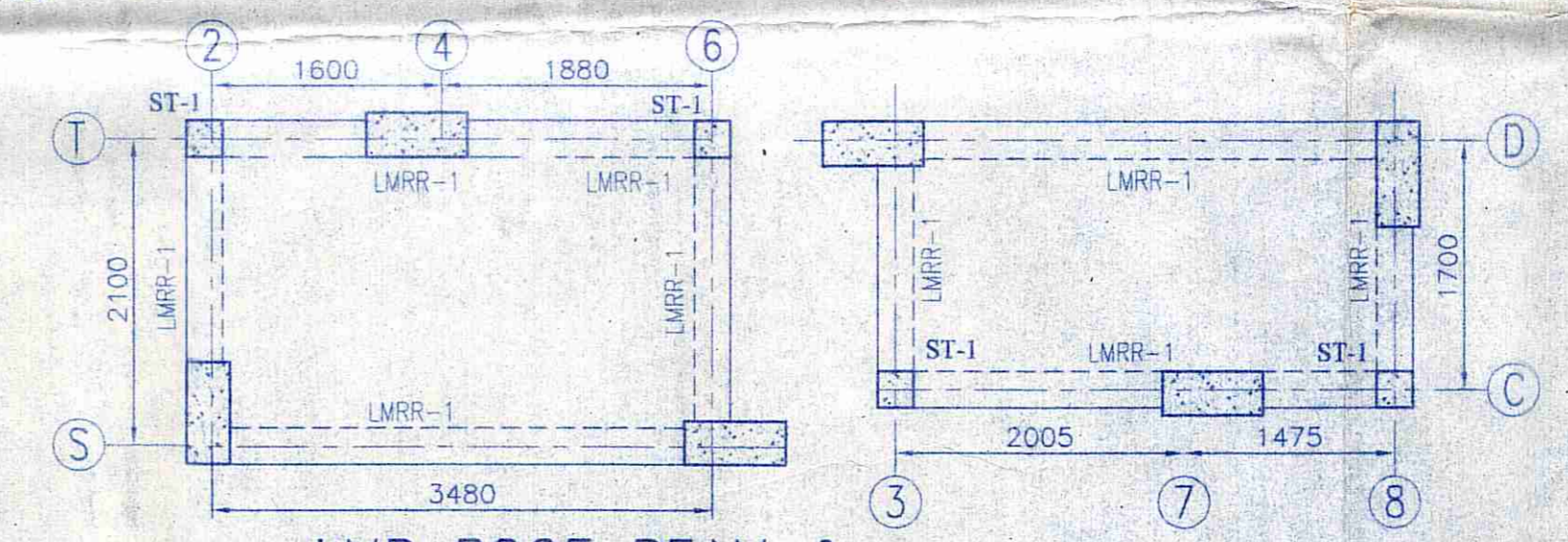


SECTION - Y-Y
 SCALE - N.T.S.

SECTION - C-C
 SCALE - N.T.S.

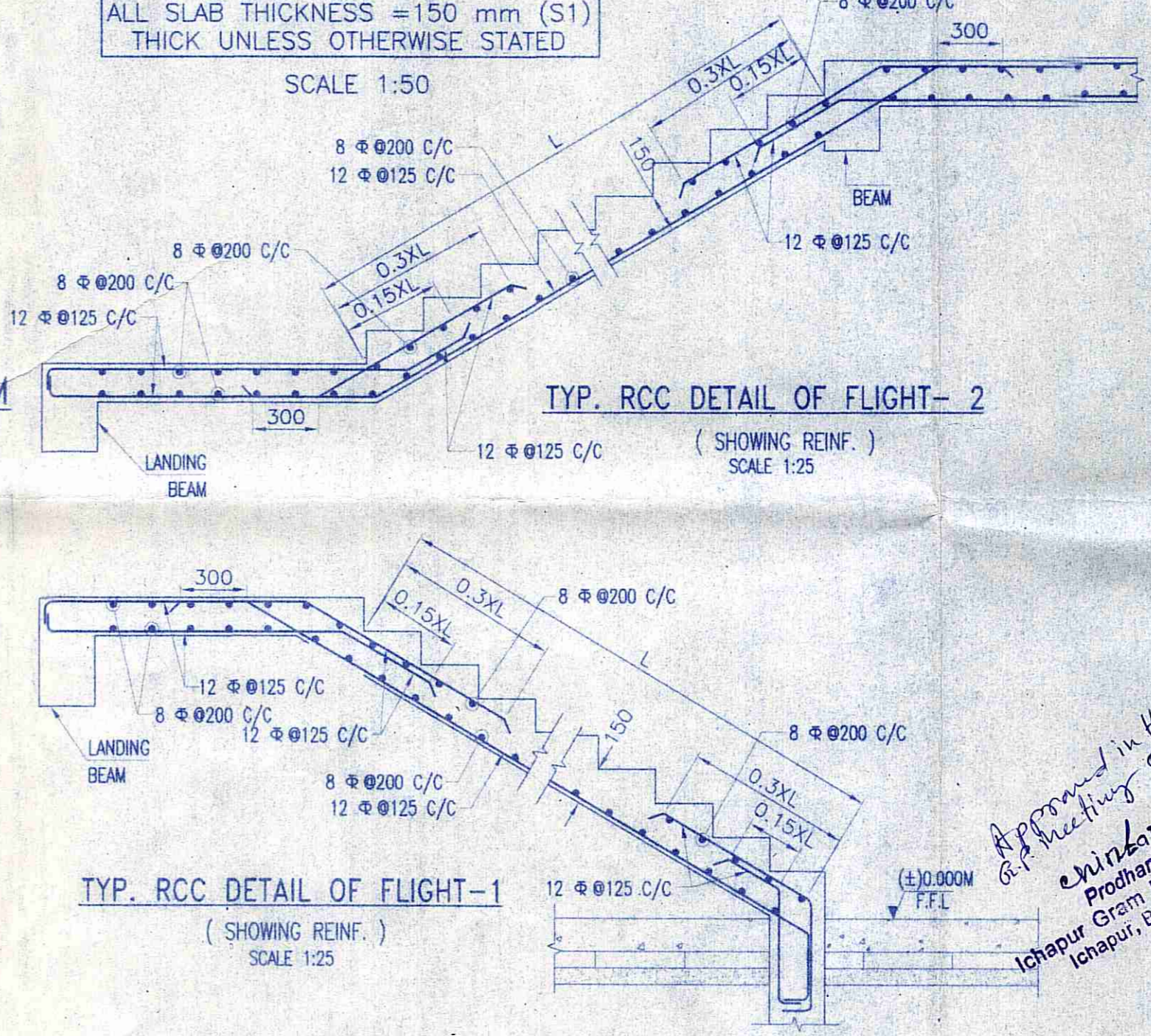


TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
 SCALE - N.T.S.



LMR ROOF BEAM & SLAB LAYOUT PLAN

ALL SLAB THICKNESS = 150 mm (S1) THICK UNLESS OTHERWISE STATED
 SCALE 1:50



TYP. RCC DETAIL OF FLIGHT-2
 (SHOWING REINF.)
 SCALE 1:25

TYP. RCC DETAIL OF FLIGHT-1
 (SHOWING REINF.)
 SCALE 1:25

ROOF AND ABOVE ROOF BEAMS SCHEDULE

BEAM MARKED	BEAM SIZE (mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)
		ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN		
RB-1	250 x 500	2-16φ +1-12φ	-	2-16φ +1-12φ	-	2L-8φ@75 C/C	2L-8φ@150 C/C
RB-2	250 x 500	2-16φ +1-12φ	3-12φ	2-16φ +1-12φ	-	2L-8φ@75 C/C	2L-8φ@150 C/C
RB-3	250 x 900	2-16φ +1-12φ	3-12φ	2-16φ +1-12φ	3-12φ	2L-8φ@75 C/C	2L-8φ@150 C/C
RB-4	250 x 450	2-16φ +1-12φ	-	2-16φ +1-12φ	-	2L-8φ@75 C/C	2L-8φ@150 C/C
HLB-1	250 x 500	3-20φ	-	3-20φ	-	2L-8φ@75 C/C	2L-8φ@150 C/C
LMRF-1	250 x 500	3-16φ	3-16φ	3-16φ	3-12φ	2L-8φ@75 C/C	2L-8φ@150 C/C
LMRR-1	250 x 500	3-16φ	-	3-16φ	-	2L-8φ@75 C/C	2L-8φ@150 C/C
WTB-1	250 x 500	3-16φ	3-20φ	3-20φ	3-16φ	2L-8φ@75 C/C	2L-8φ@150 C/C

GENESIS INFRASTRUCTURE DEVELOPMENT SERVICES
 (AN ORGANIZATION OF CONSULTANT ENGINEERS)
 E-mail id:- gidsbengal@gmail.com & gidsbengal.project@gmail.com
 SPECIALIST IN CONSULTING, STRUCTURAL DESIGN, SURVEYING & SOIL INVESTIGATING
 OFFICE:- C-29, 4TH STREET, Doctor's Colony, City Centre, Durgapur-713216.
 Contact No:- +919335323333, +917699998140

CHECKED BY : H.GHOSH SCALE : 1:100, 1:50, 1:25, N.T.S.
 DATE : 21.07.2018 REV-00
 SHEET NO:- GIDS/STRO5-05
 Approved in the G.P. Meeting on 21.07.2019 (Meeting no. 9/2018-19)
 Ichapur Gram Panchayat, Paschim Bardhaman
 13/4/2021