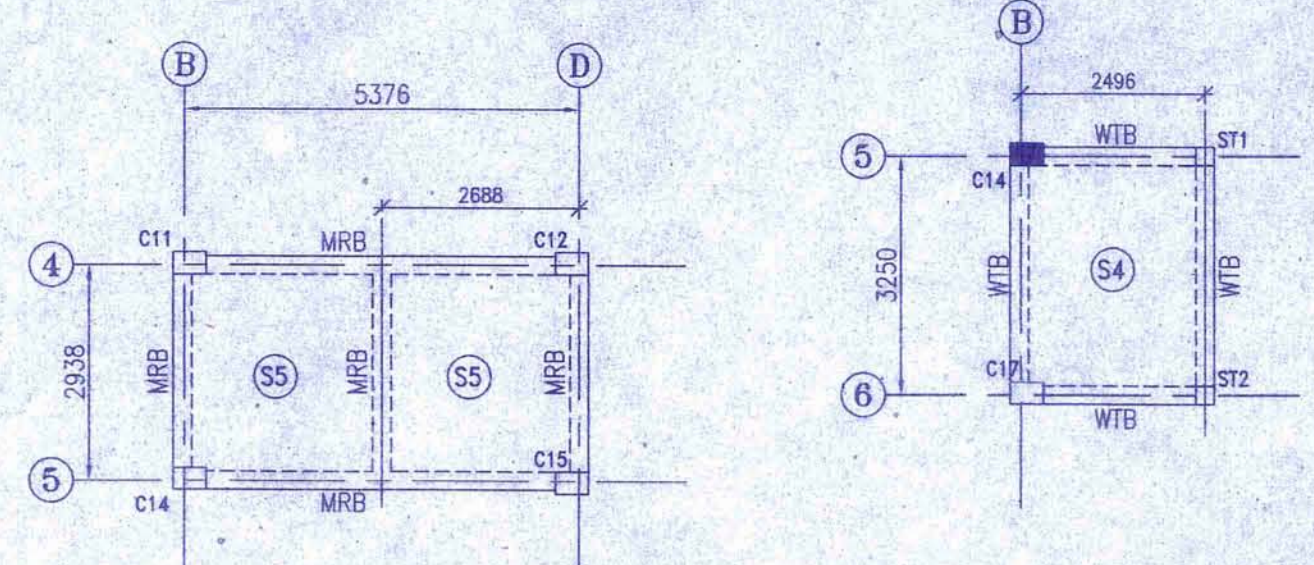
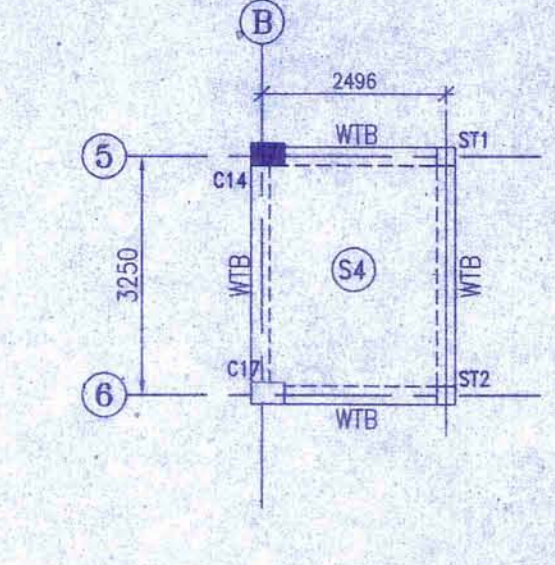


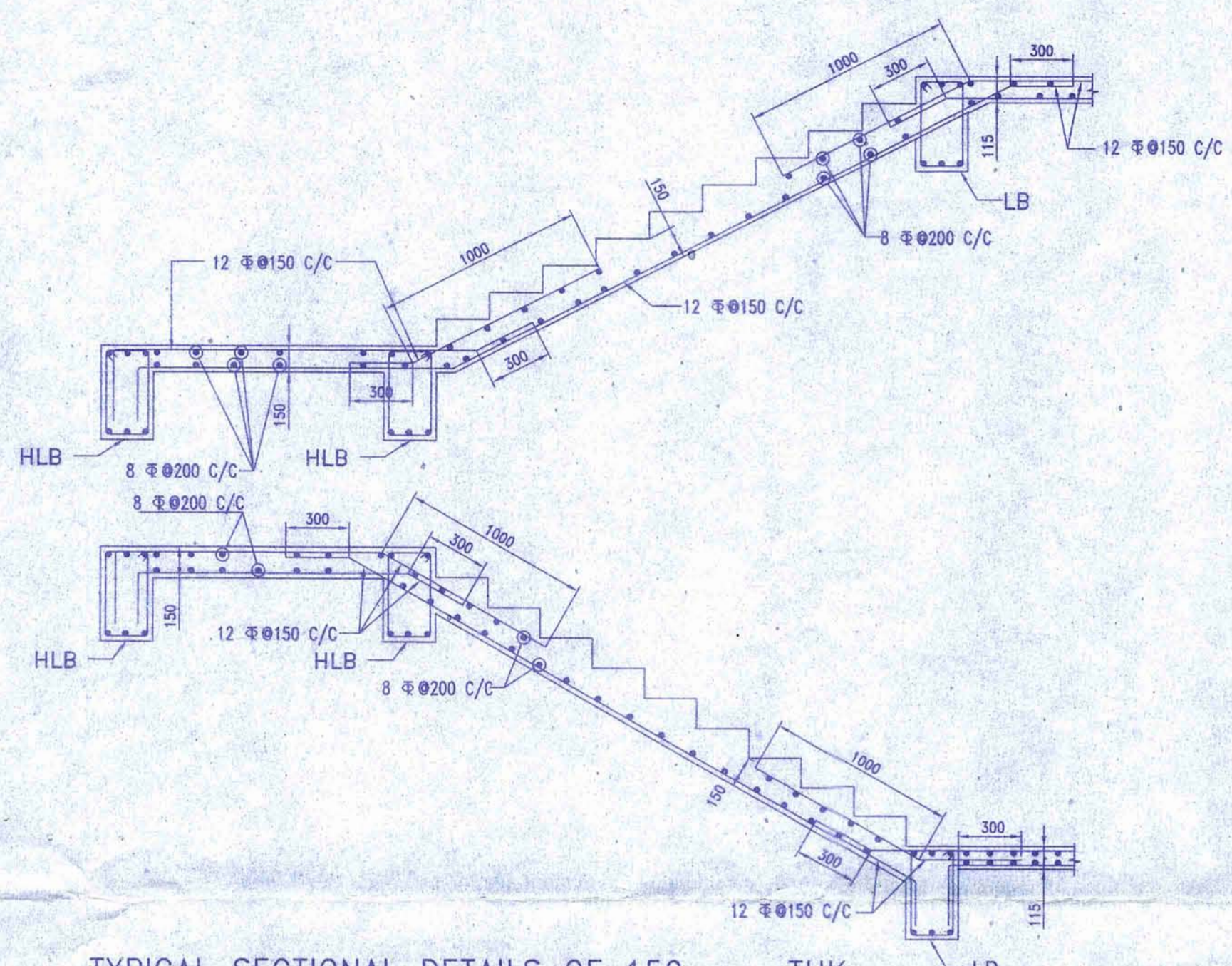
**ROOF SLAB AND BEAM LAYOUT PLAN**  
AT LEVEL (+)9.75m.  
S1 MARKED SLABS ARE 150 MM THICK  
S2 MARKED SLABS ARE 125MM THICK  
S3 MARKED SLABS ARE 115MM THICK  
SCALE 1:100



**MUMTY ROOF SLAB AND BEAM LAYOUT PLAN**  
AT LEVEL (+)12.15m.  
S3 MARKED SLABS ARE 110 MM THICK  
SCALE 1:100



**WATER TANK SLAB BEAM & SLAB LAYOUT PLAN**  
AT LVL. (+)10.75m.  
(S4 MARKED SLABS ARE 150 mm. THK.)  
SCALE- 1:100



**TYPICAL SECTIONAL DETAILS OF 150 mm THK. STAIR WAIST SLAB**  
SCALE 1:25

**SCHEDULE OF ROOF BEAMS, L.M.R FLOOR & ROOF BEAMS, WATER TANK FLOOR BEAMS & MUMTY ROOF BEAMS**

BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
	WIDTH (mm)	DEPTH (mm)	ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN		
RB1	250	450	3-16 #	-	3-16 #	-	2L-8 #100 C/C	2L-8 #200 C/C
RB2	250	450	3-16 #	2-16 #	3-16 #	-	2L-8 #100 C/C	2L-8 #200 C/C
RB3	250	450	3-16 #	2-16 #	3-16 #	2-12 #	2L-8 #100 C/C	2L-8 #200 C/C
RB4	250	400	3-16 #	-	3-16 #	-	2L-8 #100 C/C	2L-8 #200 C/C
RB5 (HIDDEN BEAM)	500	250	5-20 #	-	5-20 #	-	4L-10 #100 C/C	4L-10 #100 C/C
WTR	250	450	3-16 #	-	3-16 #	-	2L-8 #100 C/C	2L-8 #200 C/C
MRB	250	400	3-16 #	-	3-16 #	-	2L-8 #100 C/C	2L-8 #200 C/C

**SCHEDULE OF S1, S2 & S3 MARKED SLAB (THICKNESS- 150 , 125 & 115 mm. RESPECTIVELY)**

BAR MKD.	REINFORCEMENT	POSITION
A	8# # 150 mm C/C (ALL THROUGH)	BOT.
B	8# # 150 mm C/C (ALL THROUGH)	BOT.
X	8# # 150 mm C/C (ALL THROUGH)	BOT.
Y	8# # 150 mm C/C (ALL THROUGH)	BOT.
C	8# # 150mm C/C (CURTAILMENT)	TOP
D(BINDER)	8# # 150 mm C/C (WHEREVER REQUIRED)	TOP

**SCHEDULE OF S4 AND S5 MARKED SLAB (THICKNESS- 115 & 150 mm.)**

BAR MKD.	REINFORCEMENT	POSITION
E	10T # 125 mm C/C (ALL THROUGH)	BOT.
F	10T # 125 mm C/C (ALL THROUGH)	TOP

- NOTES :**
- 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).
  - 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-500/500D CONFORMING TO IS-1786-2008.
  - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 60xBAR DIA.
  - CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
    - i) COLUMNS : 40 mm
    - ii) BEAMS : 30 mm
    - iii) SLABS : 20 mm
    - iv) WAIST SLAB : 20 mm
  - GRADE OF CONCRETE FOR SUPERSTRUCTURE & SUBSTRUCTURE WILL BE M25 AS PER IS-456:2000.
  - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
  - DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
  - WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 50D IN THE SUPPORTING MEMBER.
  - WHEN TWO BEAMS MEET AT A COLUMN TOP ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDES.
  - IN ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAMS THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UPTO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT SLAB.
- SPECIAL NOTES:**  
THIS STRUCTURAL DRAWING IS VALID IF THE ARCHITECTURAL DRAWING IS FOLLOWED USING 250 mm THICK AAC BLOCKS IN EXTERNAL WALLS & 125 mm THICK AAC BLOCKS IN INTERNAL WALLS

**TITLE**  
STRUCTURAL DRAWINGS OF PROPOSED G+2 STORIED RESIDENTIAL (APARTMENT) BUILDING OF SRI KALO BARAN MONDAL AND SRI TARUN KARAK OVER R.S. PLOT NO. - 1102, MOUZA - BHADUR, J.L. NO- 42, P.S. ANDAL, DIST- PASCHIM BARDHAMAN.

**SIGNATURE OF OWNER**  
Tarun Karak  
Kalo Baran Mondal

**SIGNATURE OF L.B.S./ENGINEER/ARCHITECT**

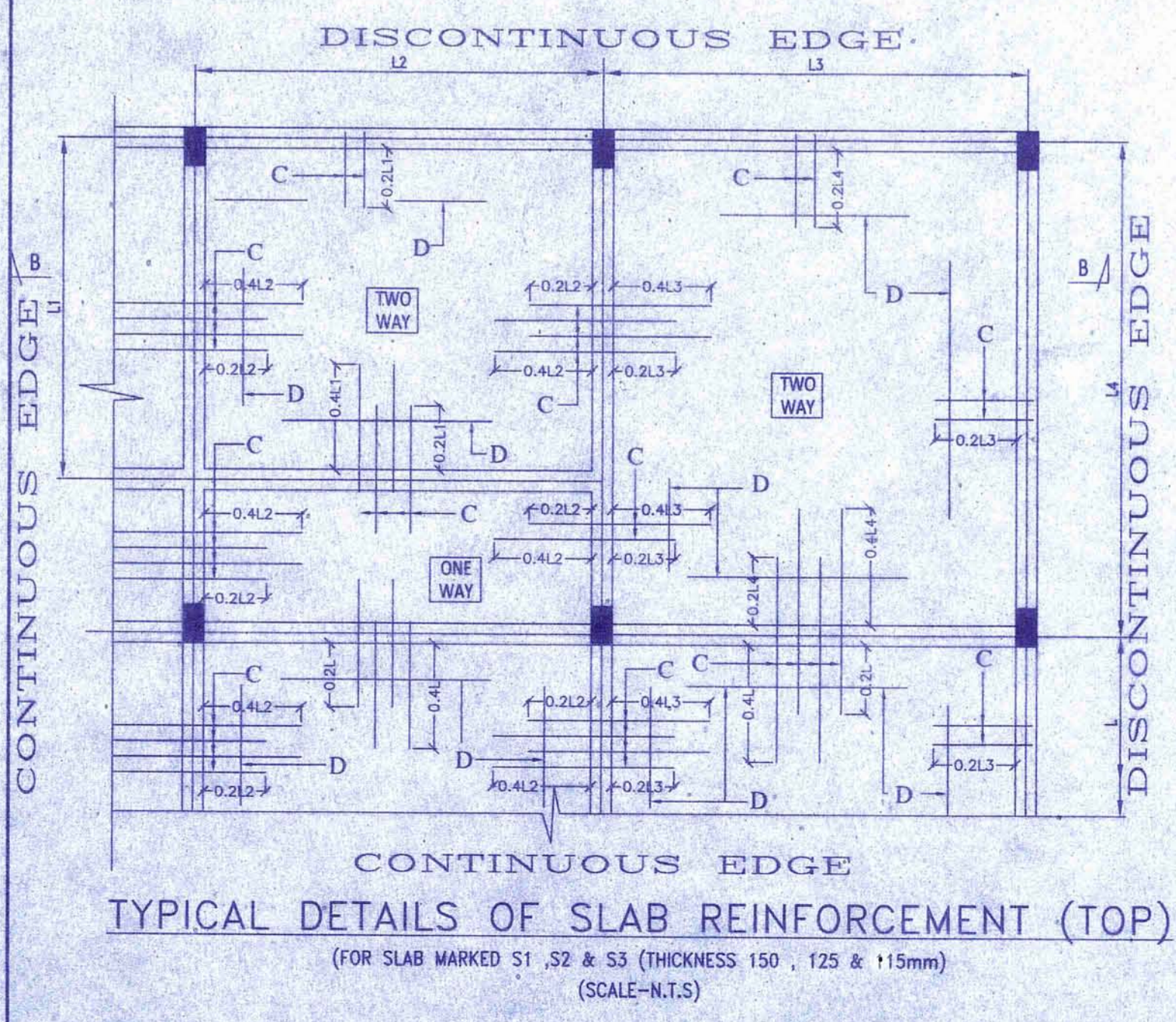
**SIGNATURE OF STRUCTURAL ENGINEER**  
VIJAY SINGH  
DMC REGISTERED  
LIC NO. - DMC/BPD/60  
VIJAY SINGH AZUMDER  
Civil Engineer  
DMC Registered (DMC/BPD/60)  
9332812155, 9476420166

**SIGNATURE OF VETTING AUTHORITY**  
S. Choudhury 21/9/2020.  
SUSMITA CHOUDHURY  
B.TECH (WBUT)  
CIVIL ENGINEER, NKDA  
LICENCE NO.- CVER/NKDA/10/00175

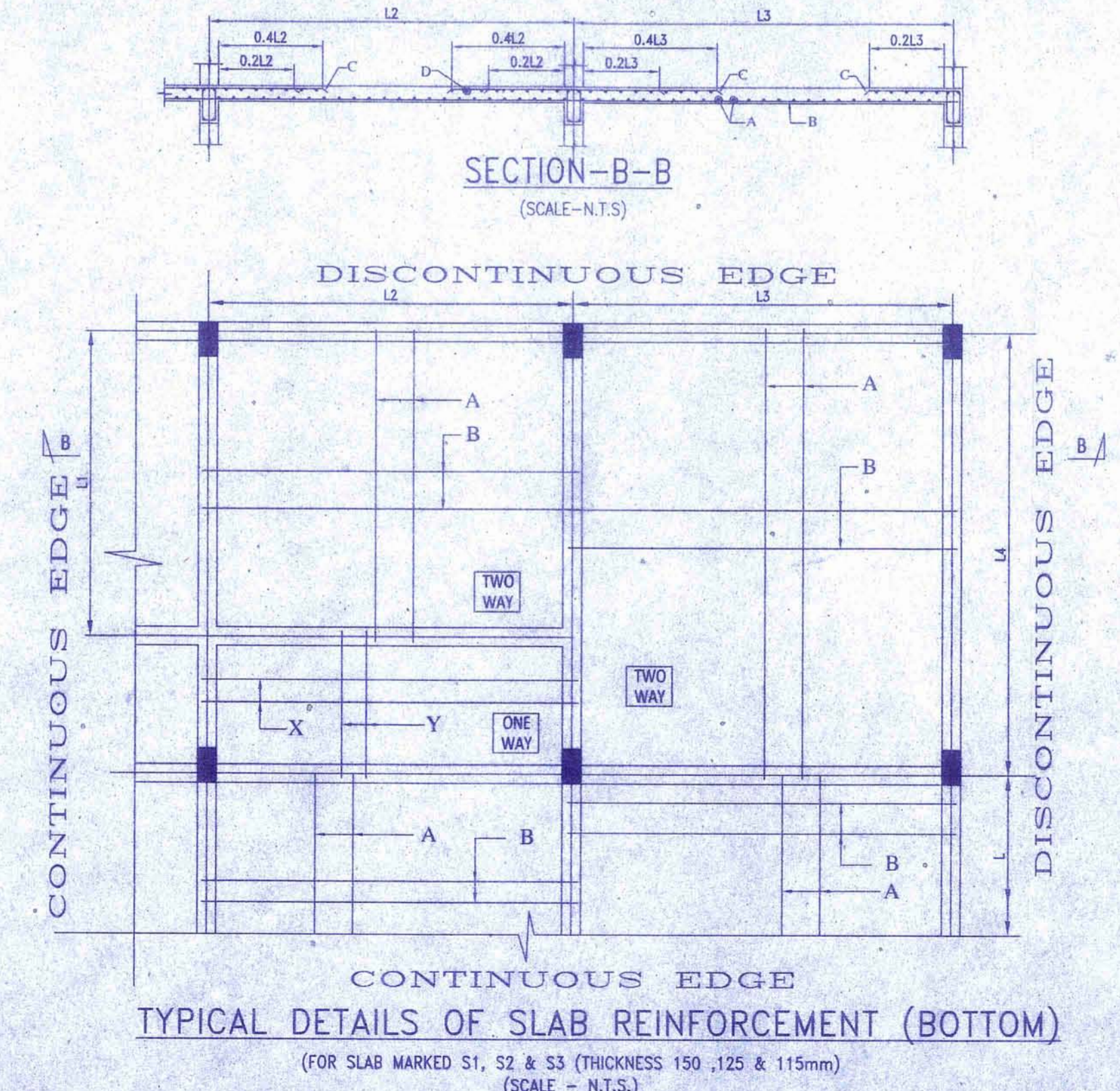
**SIGNATURE OF EXECUTIVE OFFICER PANCHAYAT SAMITY**  
Checked & Vetted  
DR. DIPANKAR CHAKRABORTY  
STRUCTURAL ENGINEER  
PROFESSIONAL MEMBER  
B. TECH (WBUT)  
JADAVPUR UNIVERSITY  
B. TECH (WBUT) SPECIALIST  
M. TECH (WBUT) MEDICAL  
M. PH.D (IIT KGP)  
M. PH.D (IIT KGP)  
(M) 9830 88502 & 983093 143  
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**SIGNATURE OF EXECUTIVE OFFICER PANCHAYAT SAMITY**  
Approved  
Executive Officer  
Andal Panchayat Samity  
Paschim Bardhaman  
M. J. Bhattacharya  
Junior Engineer (W.R.D.)  
Andal Development Block  
Paschim Bardhaman

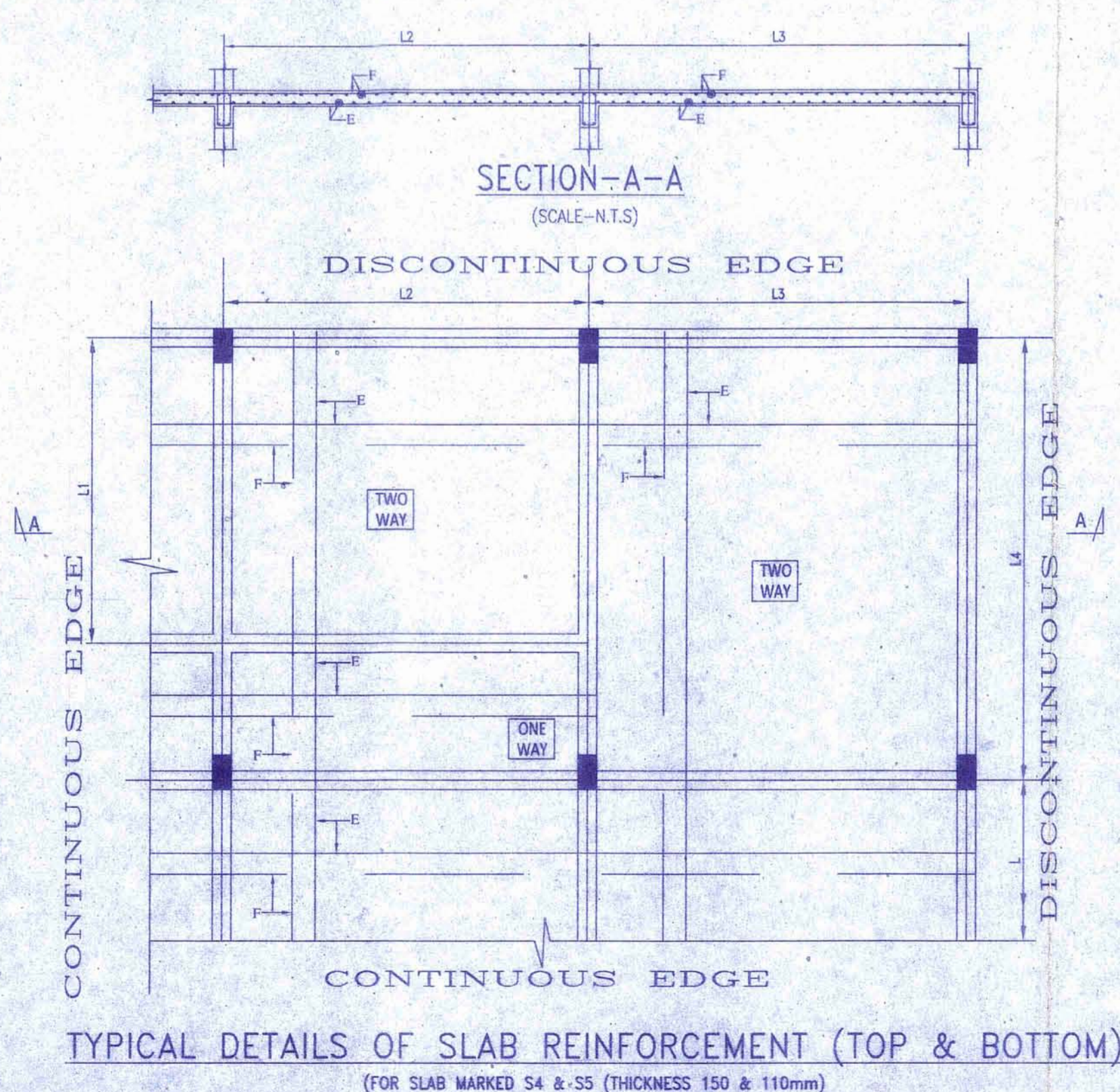
**DRAWING DETAILS**  
ROOF AND ABOVE ROOF BEAM AND SLAB LAYOUT PLAN AND REINFORCEMENT DETAIL. DETAIL OF STAIR AND SLAB  
SCALE-1:100 OR AS SHOWN  
DATE- 21.09.2020  
SHEET 3 OF 3



**TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP)**  
(FOR SLAB MARKED S1, S2 & S3 (THICKNESS 150 , 125 & 115mm))  
SCALE-N.T.S.



**TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)**  
(FOR SLAB MARKED S1, S2 & S3 (THICKNESS 150 , 125 & 115mm))  
SCALE - N.T.S.



**TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP & BOTTOM)**  
(FOR SLAB MARKED S4 & S5 (THICKNESS 150 & 110mm))  
SCALE-N.T.S.