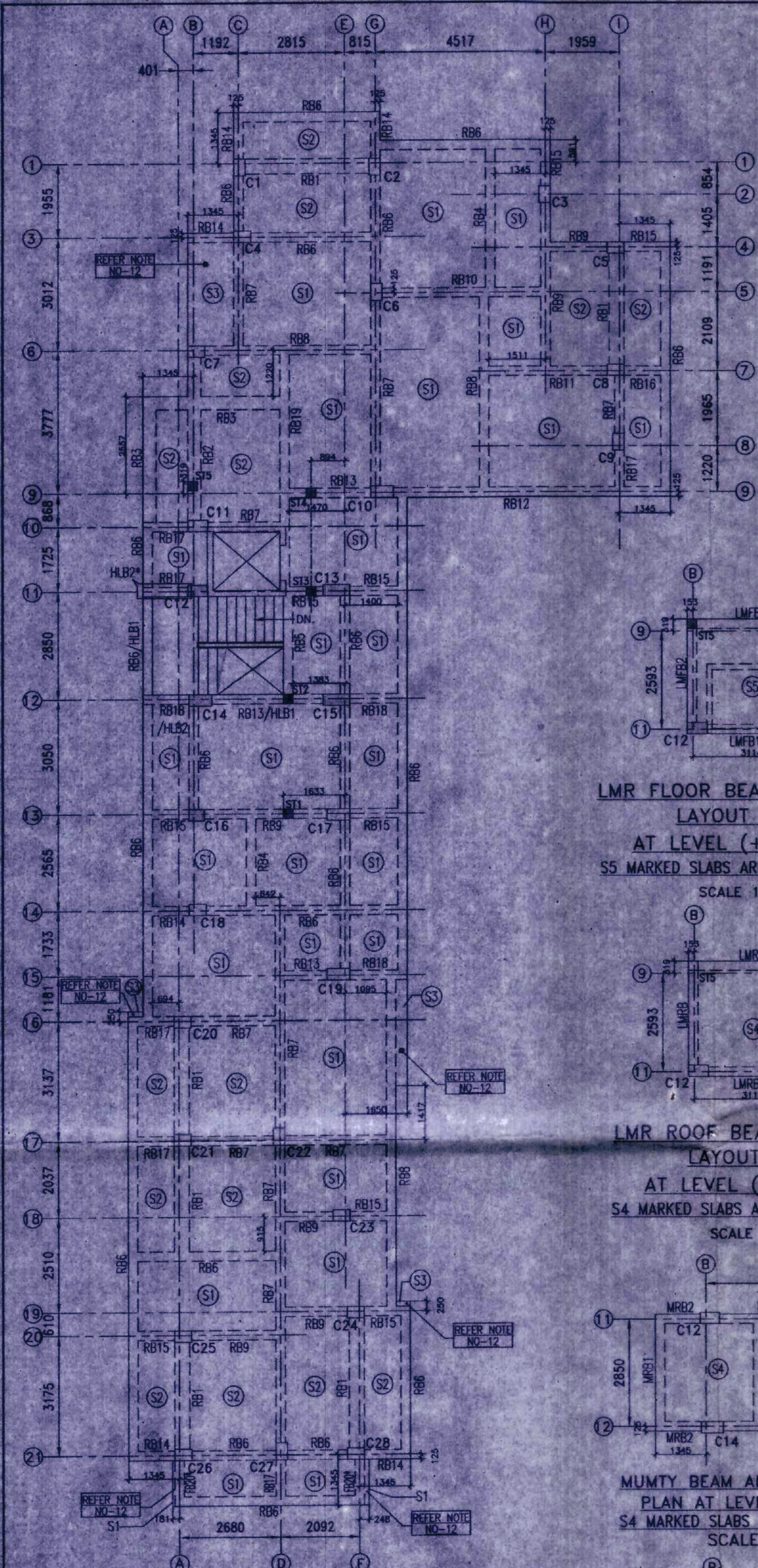
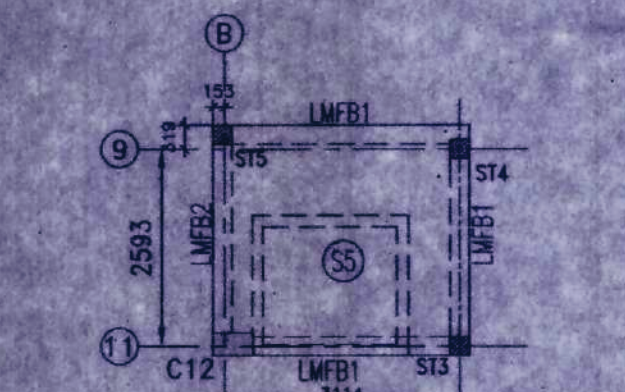
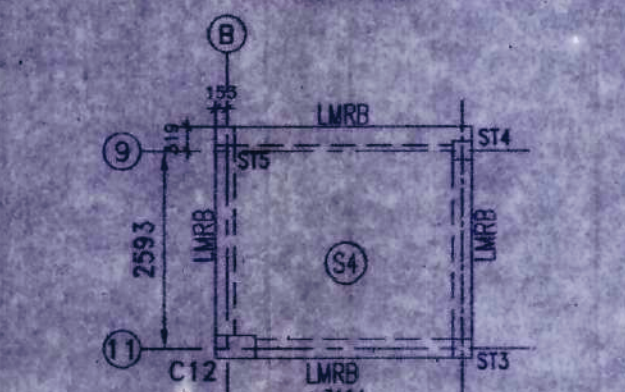




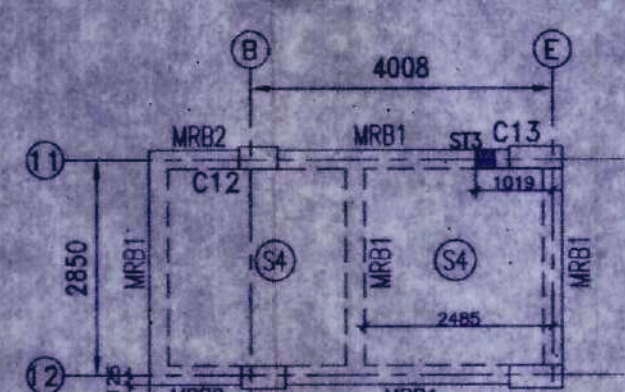
ROOF BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)21.35m.
S1 MARKED SLABS ARE 115 mm THICK.
S2 MARKED SLABS ARE 150 mm THICK.
S3 MARKED SLABS ARE 125 mm THICK.
HLB REFERS TO HALF LANDING BEAM.
FOR * MARKED BEAM REFER DETAIL-1.
SCALE 1:100



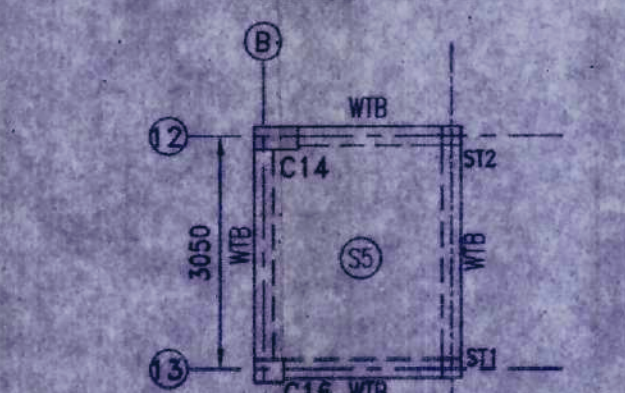
LMR FLOOR BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)23.10m.
S5 MARKED SLABS ARE 150 mm THICK.
SCALE 1:100



LMR ROOF BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)25.50m.
S4 MARKED SLABS ARE 115 mm THICK.
SCALE 1:100



MUMTY BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)23.75m.
S4 MARKED SLABS ARE 115 mm THICK.
SCALE 1:100



WATER TANK BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)22.35m.
WATER TANK CAPACITY-10000 LIT.
S5 MARKED SLABS ARE 150 mm THICK.
SCALE 1:100

SCHEDULE OF S1, S2 & S3 MARKED SLABS
(1ST, TYPICAL FLOORS & ROOF SLABS
THICKNESS-115mm, 150mm & 125mm.)

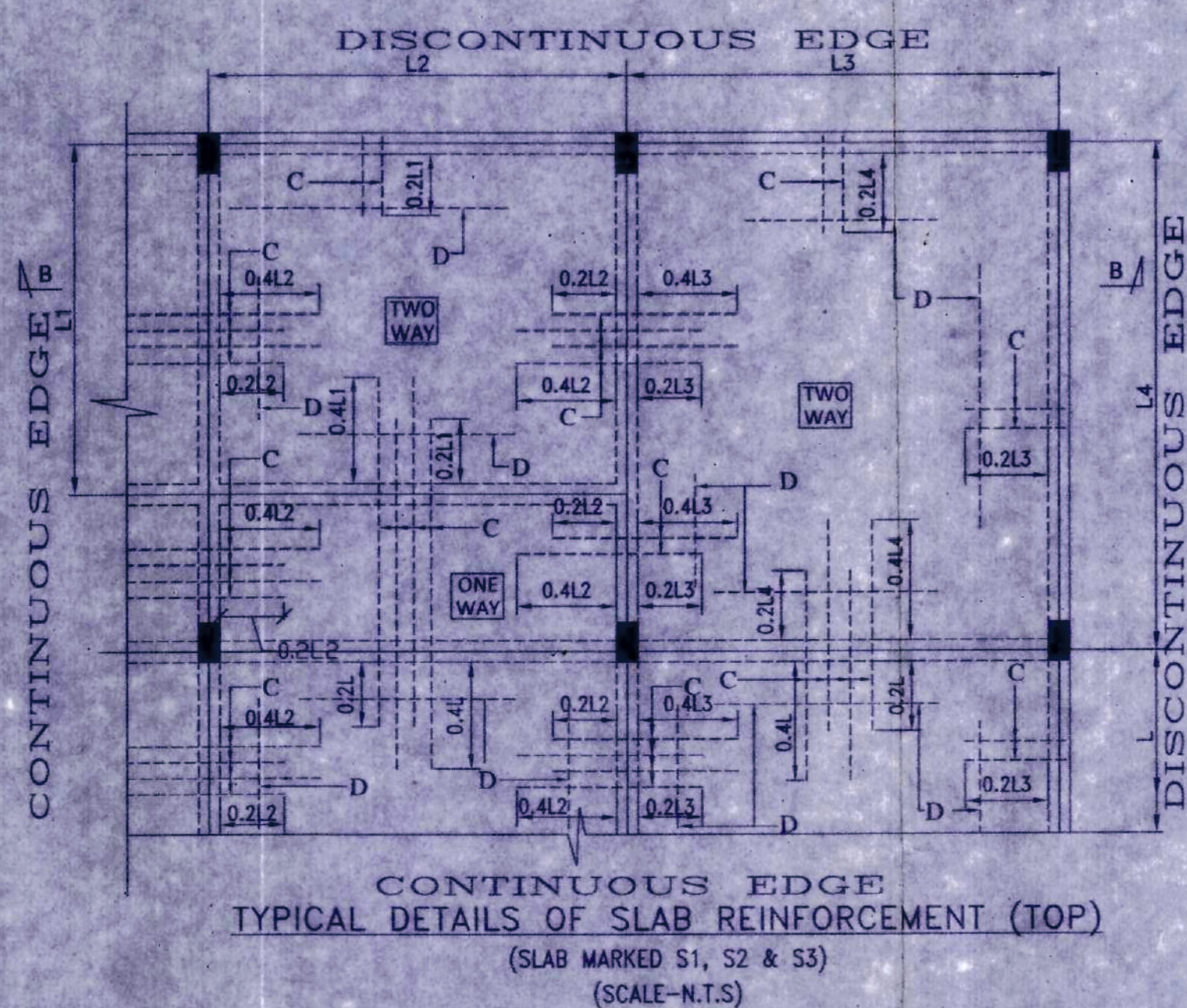
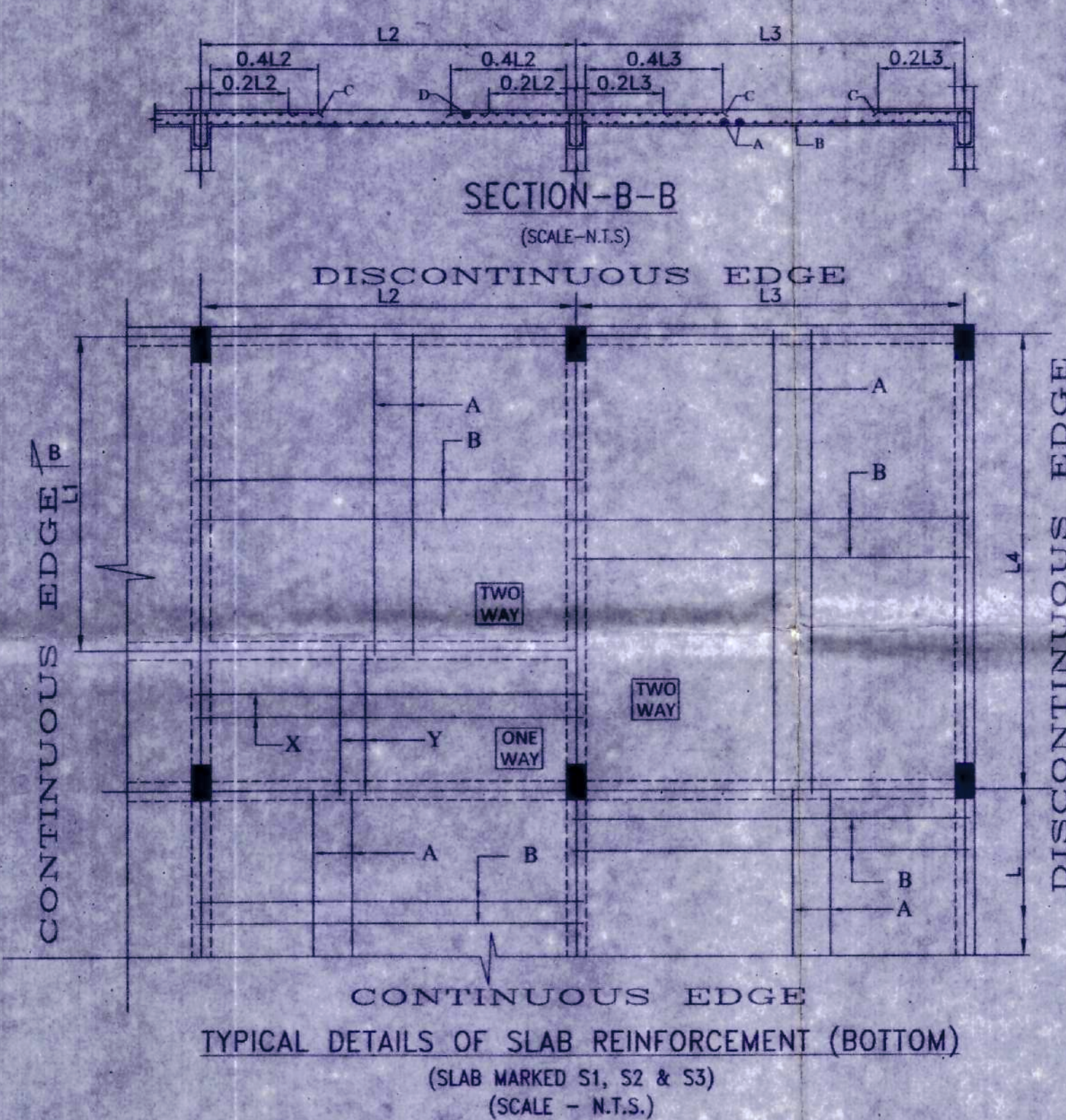
BAR MKD.	REINFORCEMENT	POSITION
A	8# @ 150 mm C/C (ALL THROUGH)	BOT.
B	8# @ 150 mm C/C (ALL THROUGH)	BOT.
X	8# @ 150 mm C/C (ALL THROUGH)	BOT.
Y	8# @ 150 mm C/C (ALL THROUGH)	BOT.
C	8# @ 150 mm C/C (CURTAILMENT)	TOP
D(BINDER)	8# @ 200 mm C/C (WHEREVER REQUIRED)	TOP

SCHEDULE OF S5 MARKED SLABS
(LMR FLOOR & WATER TANK SLAB
THICKNESS-150 mm.)

BAR MKD.	REINFORCEMENT	POSITION
E	10T @ 200 mm C/C (ALL THROUGH)	BOT.
F	10T @ 200 mm C/C (ALL THROUGH)	TOP

SCHEDULE OF S4 MARKED SLABS
(MUMTY & LMR ROOF SLAB
THICKNESS-115mm.)

BAR MKD.	REINFORCEMENT	POSITION
E	8T @ 150 mm C/C (ALL THROUGH)	BOT.
F	8T @ 150 mm C/C (ALL THROUGH)	TOP

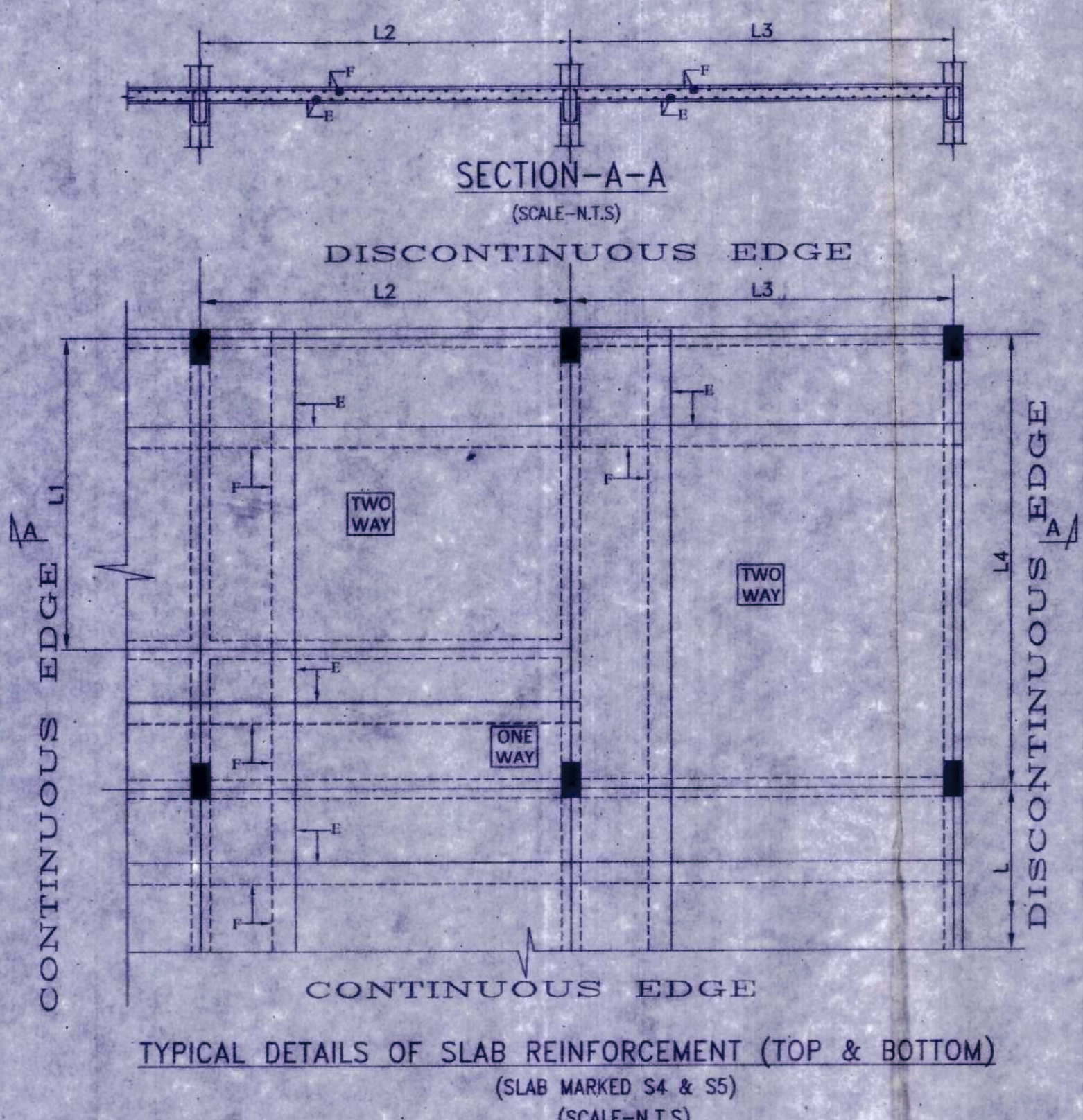


SCHEDULE OF ROOF BEAMS

BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)
	WIDTH (mm)	DEPTH (mm)	ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN		
RB1	600	150	5-16#	-	5-12#	-	4L-8#@100 C/C	4L-8#@150 C/C
RB2	350	250	5-20#	-	5-20#	-	4L-8#@100 C/C	4L-8#@200 C/C
RB3	350	250	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
RB4	250	400	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
RB5	250	400	2-12#	2-12#	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
RB6	250	450	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
RB7	250	450	2-12#	2-12#	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
RB8	250	450	2-12#	-	2-12#	3-12#	2L-8#@100 C/C	2L-8#@200 C/C
RB9	250	450	2-12#	3-12#	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
RB10	250	450	2-12#	3-12#	2-12#	3-16#	2L-8#@100 C/C	2L-8#@200 C/C
RB11	250	450	2-12#	3-20#	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
RB12	250	450	2-12#	3-16#	2-12#	3-12#	2L-8#@100 C/C	2L-8#@200 C/C
RB13	250	450	2-12#	3-16#	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
RB14	250	450	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@100 C/C
RB15	250	450	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@100 C/C
RB16	250	450	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@100 C/C
RB17	250	450	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@100 C/C
RB18	250	450	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@100 C/C
RB19	250	450	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
RB20	250	450	3-16#	-	3-16#	-	2L-8#@100 C/C	2L-8#@100 C/C
HLB1	250	450	3-16#	2-16#	3-16#	-	2L-8#@100 C/C	2L-8#@200 C/C
HLB2	250	450	3-16#	-	3-16#	-	2L-8#@100 C/C	2L-8#@100 C/C

SCHEDULE OF ABOVE ROOF BEAMS

BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)
	WIDTH (mm)	DEPTH (mm)	ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN		
WTB	250	400	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
LMF1	250	400	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
LMF2	250	400	2-12#	2-12#	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
MRB1	250	400	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C
MRB2	250	400	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@100 C/C
LMR3	250	400	2-12#	-	2-12#	-	2L-8#@100 C/C	2L-8#@200 C/C



- 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-500/5000 CONFORMING TO IS-1786-2008.
 - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 50#BAR 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 WILL BE OF 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 60D IN THE SUPPORTING MEMBER.
 - WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDE.
 - 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.

TITLE
STRUCTURAL DRAWING OF PROPOSED G+6 STORIED RESIDENTIAL APARTMENT BUILDING OF DUTTA & CO. OVER R.S PLOT NO- 1471, L.R PLOT NO-1545, KHATIAN L.R NO- 385, 059, 483, 5413, 5414, 5415, 2717, MOUZA-ARRAH, J.L NO- 091, P.S.- KANKSA.

1) BUDDHADEB MONDAL 2) UTTAM MONDAL
3) JAMINI MONDAL 4) TAPATI MONDAL
5) SADHIN MONDAL 6) CHIROSHREE MONDAL
7) CHANDI BAURI

SIGNATURE OF OWNER

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

[Signature]
Ar. VIJAYA SINGH MAZUMDER
COA Registered
CA/2021/134278
9332802166 / 9476428108

SIGNATURE OF GEOTECHNICAL ENGINEER

[Signature]
ASIM SARKAR
BCE, ME (SOIL), MIGS
EMPLOYED GEOTECHNICAL ENGINEER
K.M.C. NO. : CLASS -I/2

SIGNATURE OF STRUCTURAL ENGINEER

[Signature]
SUSMITA CHOUDHURY
B.TECH (CIVIL) - WBUT
ME (CONSTRUCTION) - JO
ESE-11/KMPC/664
ESE-11/KMPC/664
STER/NKDA/21/00010
CYBER/NKDA/10/00075
(M)- 8697517321/7003201735

SIGNATURE OF THE VETTING AUTHORITY

[Signature]
DR. DIPANKAR K. SARKAR
B.TECH (CIVIL) - WBUT
ME (CONSTRUCTION) - JO
ESE-11/KMPC/664
ESE-11/KMPC/664
STER/NKDA/21/00010
CYBER/NKDA/10/00075
(M)- 8697517321/7003201735

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Email-structconenterprise@gmail.com
Ph.-8697517321, 7003201735

DRAWING TITLE
1. ROOF AND ABOVE ROOF BEAM AND SLAB LAYOUT PLAN WITH REINF. DETAILS.
2. DETAILS OF SLAB.

SCALE-1:100 OR AS SHOWN
DATE-02.08.2022
SHEET NO. - 4 OF 4 SHEET SIZE - A1

APPROVED *[Signature]* 20/08/2022 02/06/2023
Vide Memo No. 2051/P.S.B.P. D.
OF PASCHIM BARDHAMAN ZILA PARISHAD
Additional Executive Officer
[Signature]
Pradhan
Malandighi Gram Panchayat

SPECIAL NOTE:-
1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

IMPORTANT NOTE:-
1. ALL CANTILEVER BEAMS MUST BE CAST WITH AN UPWARD PRECAMBER OF 6MM AT THE TIP.