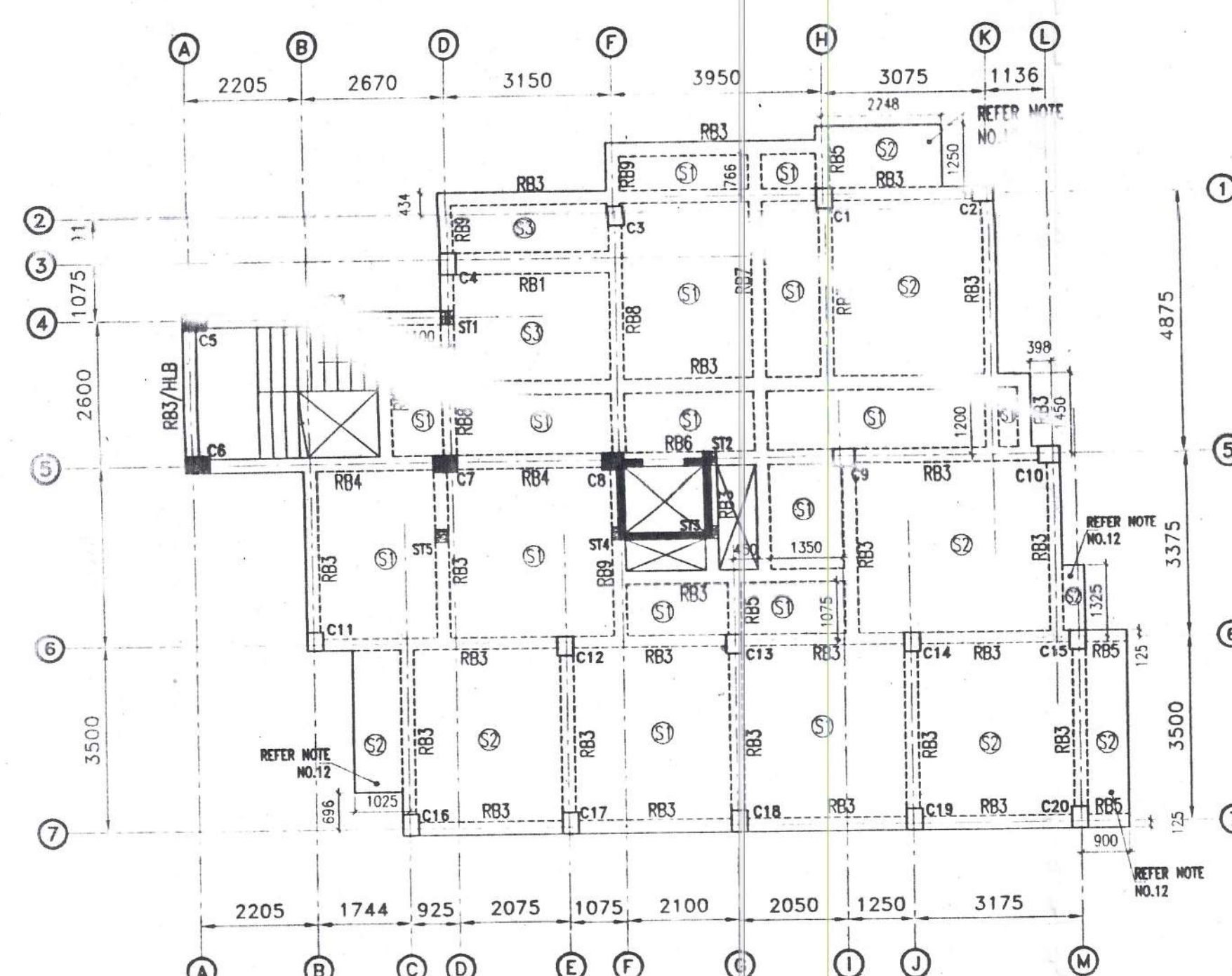
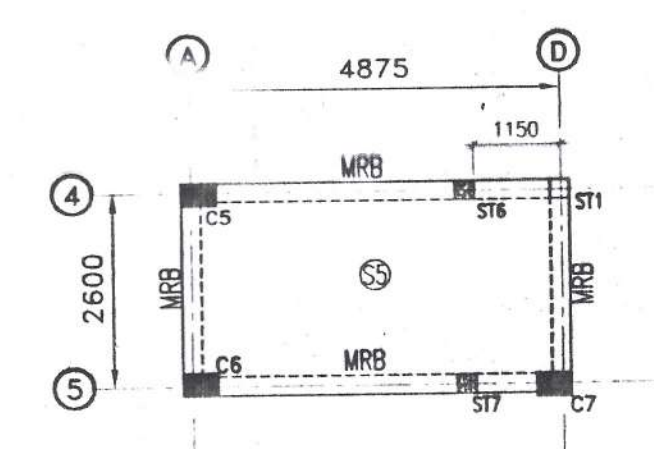


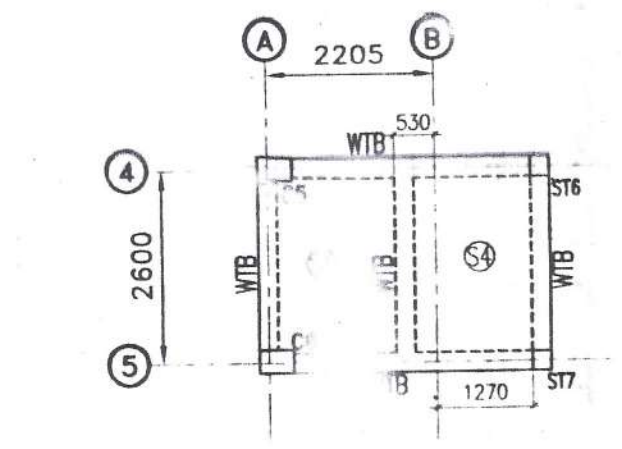


ROOF BEAM AND SLAB LAYOUT
PLAN AT LEVEL (+)15.10 m.
S1 MARKED SLABS ARE 115 mm THICK.
S2 MARKED SLABS ARE 125 mm THICK.
S3 MARKED SLABS ARE 150 mm THICK.
HLB REFERS TO HALF LANDING BEAM.
SCALE 1:100

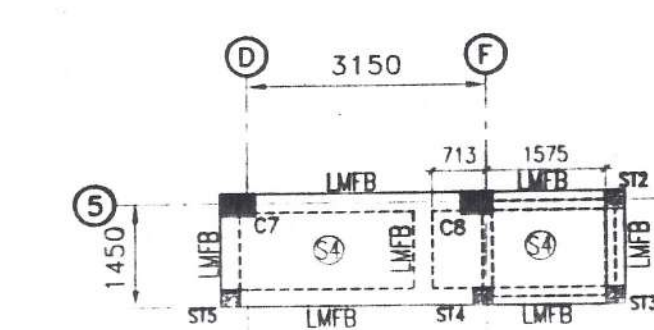
BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)
	WIDTH (mm)	DEPTH (mm)	THROUGH	EXTRA AT SUPPORT	THROUGH	EXTRA AT SPAN		
WTB	250	400	3-16	-	3-16	2-12	2L-8 @100 C/C	2L-8 @150 C/C
MRB	250	400	3-16	-	3-16	2-16	2L-8 @100 C/C	2L-8 @150 C/C
LMFB	250	400	-	-	3-16	-	2L-8 @100 C/C	2L-8 @150 C/C
LMRB	250	400	3-12	-	3-12	-	2L-8 @100 C/C	2L-8 @200 C/C



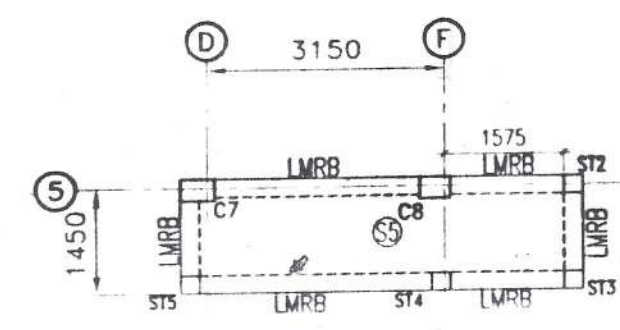
MUMTY BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)17.50 m.
S5 MARKED SLABS ARE 115 mm THICK.
SCALE 1:100



WATER TANK BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)18.50m.
WATER TANK CAPACITY- 13,000 LIT.
S4 MARKED SLABS ARE 150 mm THICK.
SCALE 1:100

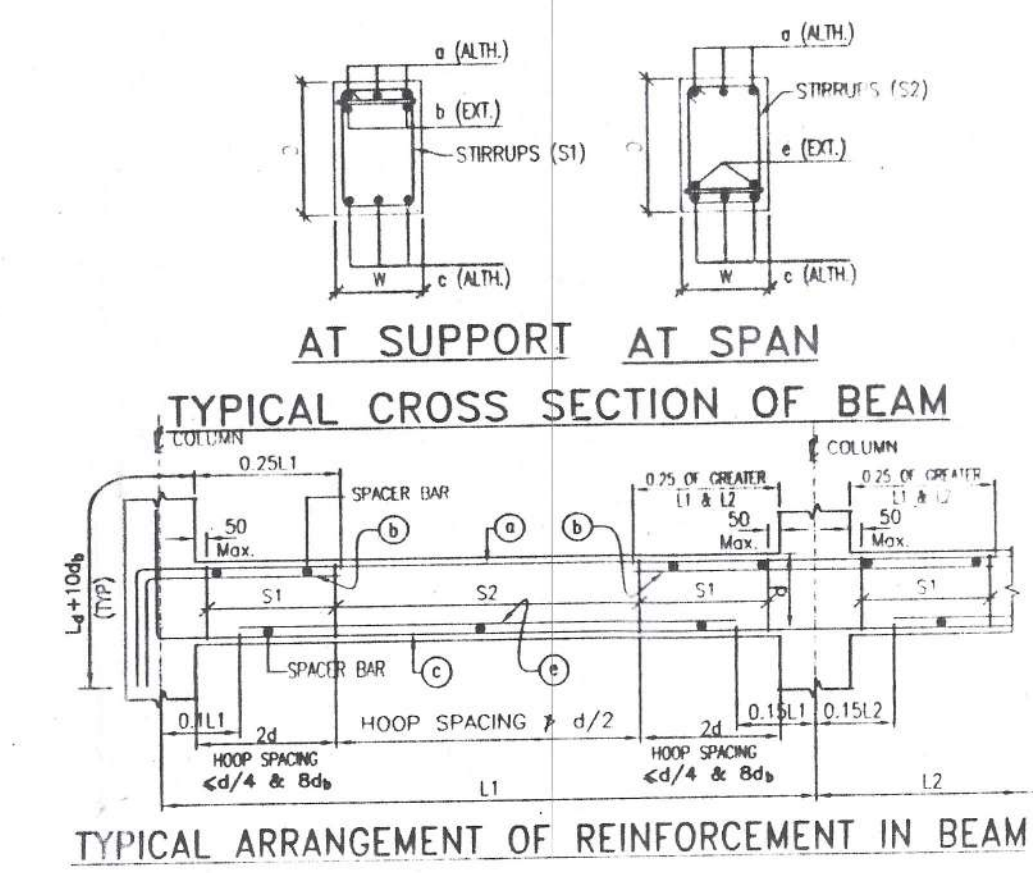


LMR FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)16.60 m.
S4 MARKED SLABS ARE 150 mm THICK.
SCALE 1:100



LMR ROOF BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)19.0m.
S5 MARKED SLABS ARE 115 mm THICK.
SCALE 1:100

BEAM MARKED	BEAM WIDTH (mm)	REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)
		THROUGH	EXTRA AT SUPPORT	THROUGH	EXTRA AT SPAN		
RB1	250	4-16	-	4-16	-	4L-8 @100	4L-8 @150 C/C
RB2	250	3-12	-	3-12	-	2L-8 @100 C/C	2L-8 @150 C/C
RB3	250	2-12	-	3-12	-	2L-8 @100 C/C	2L-8 @150 C/C
RB4	250	2-12	2-12	3-12	-	2L-8 @100 C/C	2L-8 @150 C/C
RB5	250	2-12	-	3-12	-	2L-8 @100 C/C	2L-8 @100 C/C
RB6	450	3-12	-	3-12	-	2L-8 @100 C/C	2L-8 @150 C/C
RB7	250	3-12	-	3-12	-	2L-8 @100 C/C	2L-8 @150 C/C
RB8	250	3-12	3-12	2-12	-	2L-8 @100 C/C	2L-8 @150 C/C
RB9	250	3-12	-	3-12	-	2L-8 @100 C/C	2L-8 @100 C/C
HLB	250	3-16	-	3-16	-	2L-8 @100 C/C	2L-8 @150 C/C

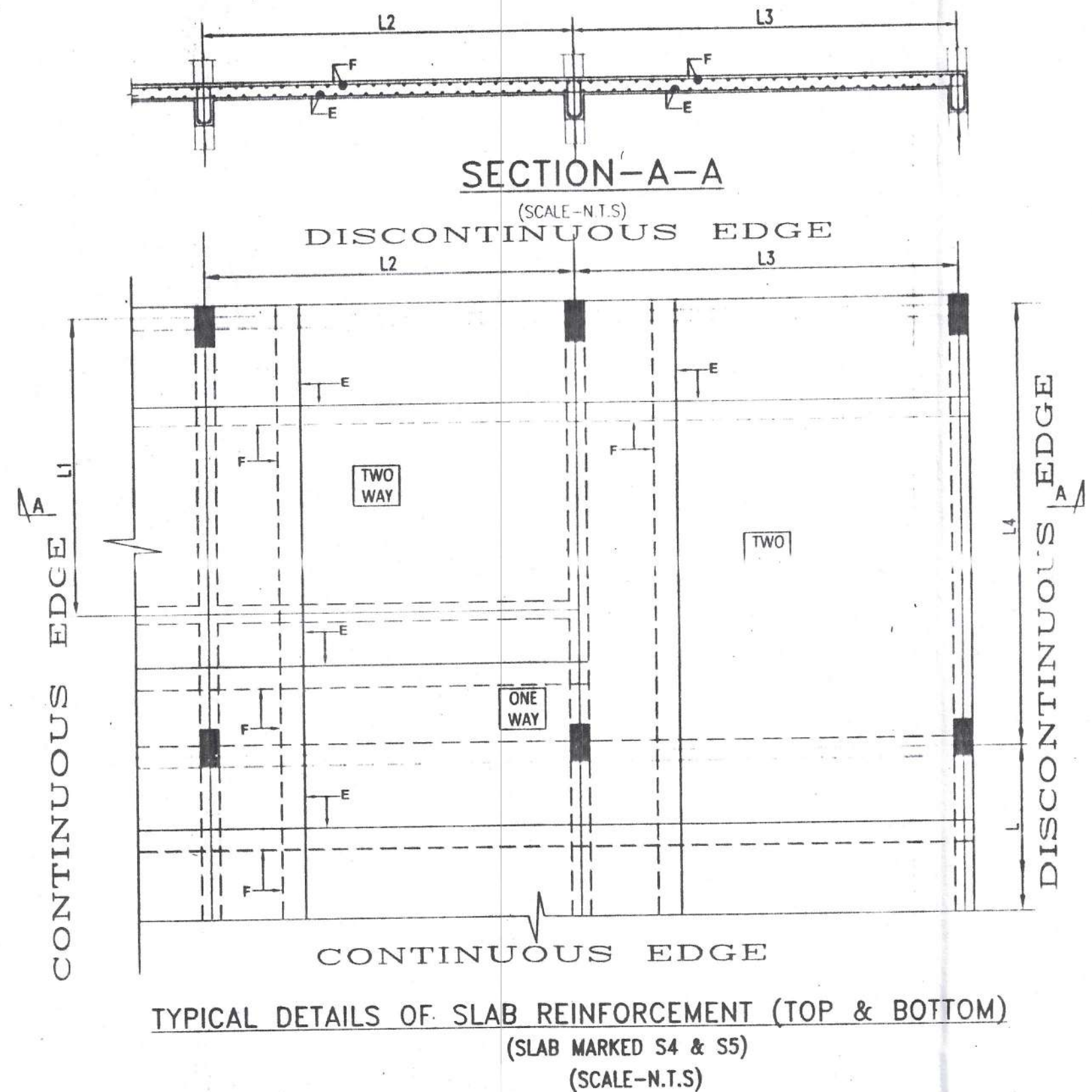
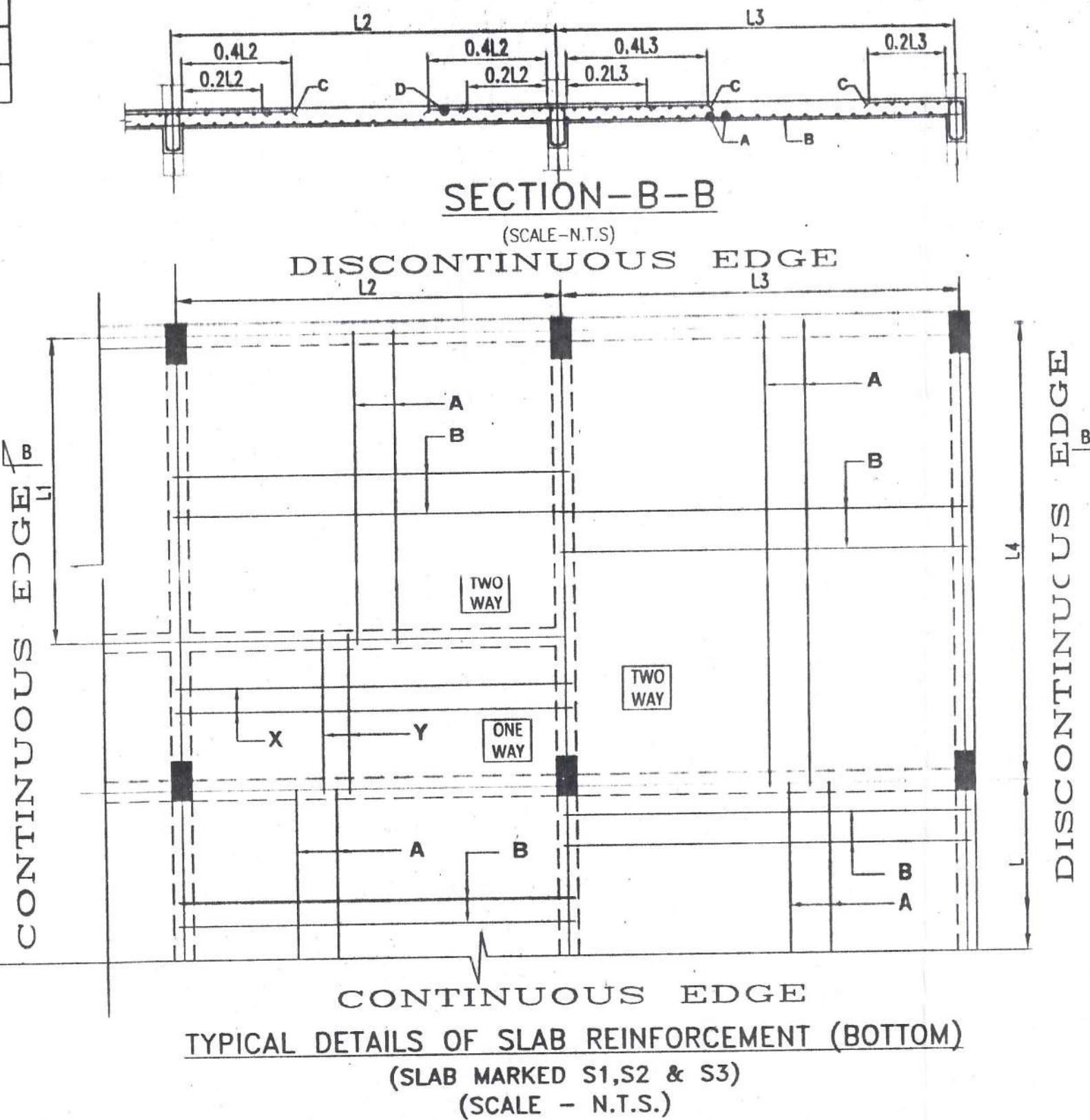
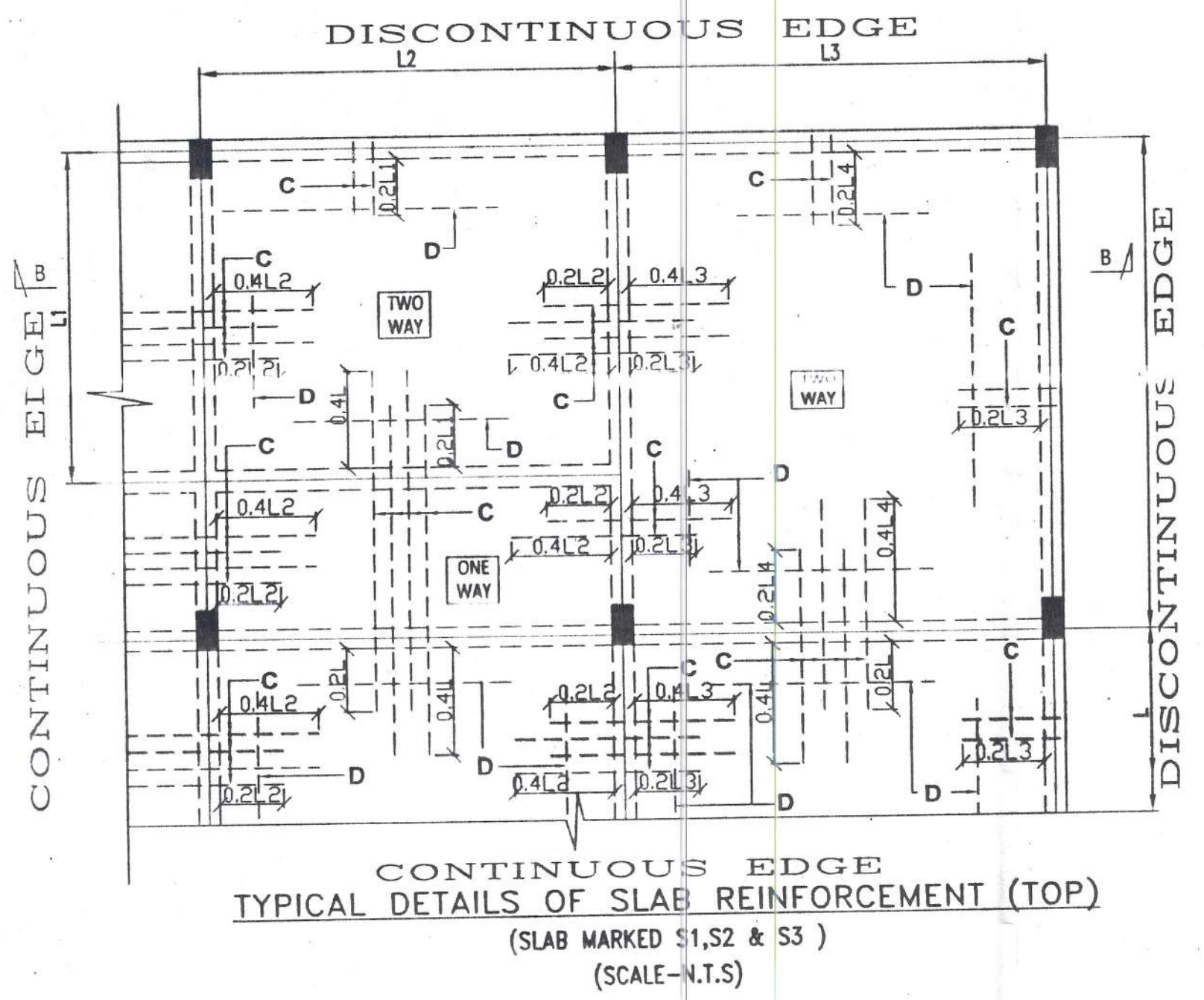


SPECIAL NOTES:-
1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

REINFORCEMENT	POSITION
8@150 mm C/C (ALL THROUGH)	BOT.
8@150 mm C/C (ALL THROUGH)	BOT.
8@150 mm C/C (ALL THROUGH)	BOT.
8@150 mm C/C (ALL THROUGH)	BOT.
8@150 mm C/C (ALL THROUGH)	BOT.
8@150 mm C/C (CURTAILMENT)	TOP
8@150 mm C/C (WHEREVER REQUIRED)	TOP

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

BAR MKD.	REINFORCEMENT	POSITION
E	10T @ 200 mm C/C (ALL THROUGH)	BOT.
F	10T @ 200 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 = 50xBAR 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 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.
 - 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.

TITLE
STRUCTURAL DRAWING OF PROPOSED G+4 STORIED RESIDENTIAL BUILDING AT MOUZA :- CHAKPACHURIA; J. L. NO.:-33 TOUZI NO. :-145, R. S. & L.R DAG NOS. 413; L. R. KHATIAN NOS. :- 4132. UNDER PATHARGHATA GRAM PANCHAYET P. S. RAJARHAT, DIST. 24-PGS.(N)

SIGNATURE OF OWNER
Vent Realtors LLP
Rinku Singh
Rinku Singh

SIGNATURE OF L.B.S./ARCHITECT

SIGNATURE OF STRUCTURAL ENGINEER
S. Choudhury 22/4/22
SUSMITA CHOUDHURY
B.TECH (CIVIL)-WBUTU
MR. CONSTRUCTION-JU
ESE-I/RJPSON/130
ESE-I/RKNC/664
STER/NKDA/21/00010
CVER/NKDA/10/00175
(M)-8697517321/7003201735

SIGNATURE OF THE VETTING AUTHORITY

DRAWING TITLE
ROOF AND ABOVE ROOF BEAM AND SLAB LAYOUT PLAN AND REINFORCEMENT DETAILS OF BEAMS AND ALL SLABS.
SCALE:-1:100 OR AS SHOWN
DATE:-29.04.2022
SHEET NO. - 3 OF 3