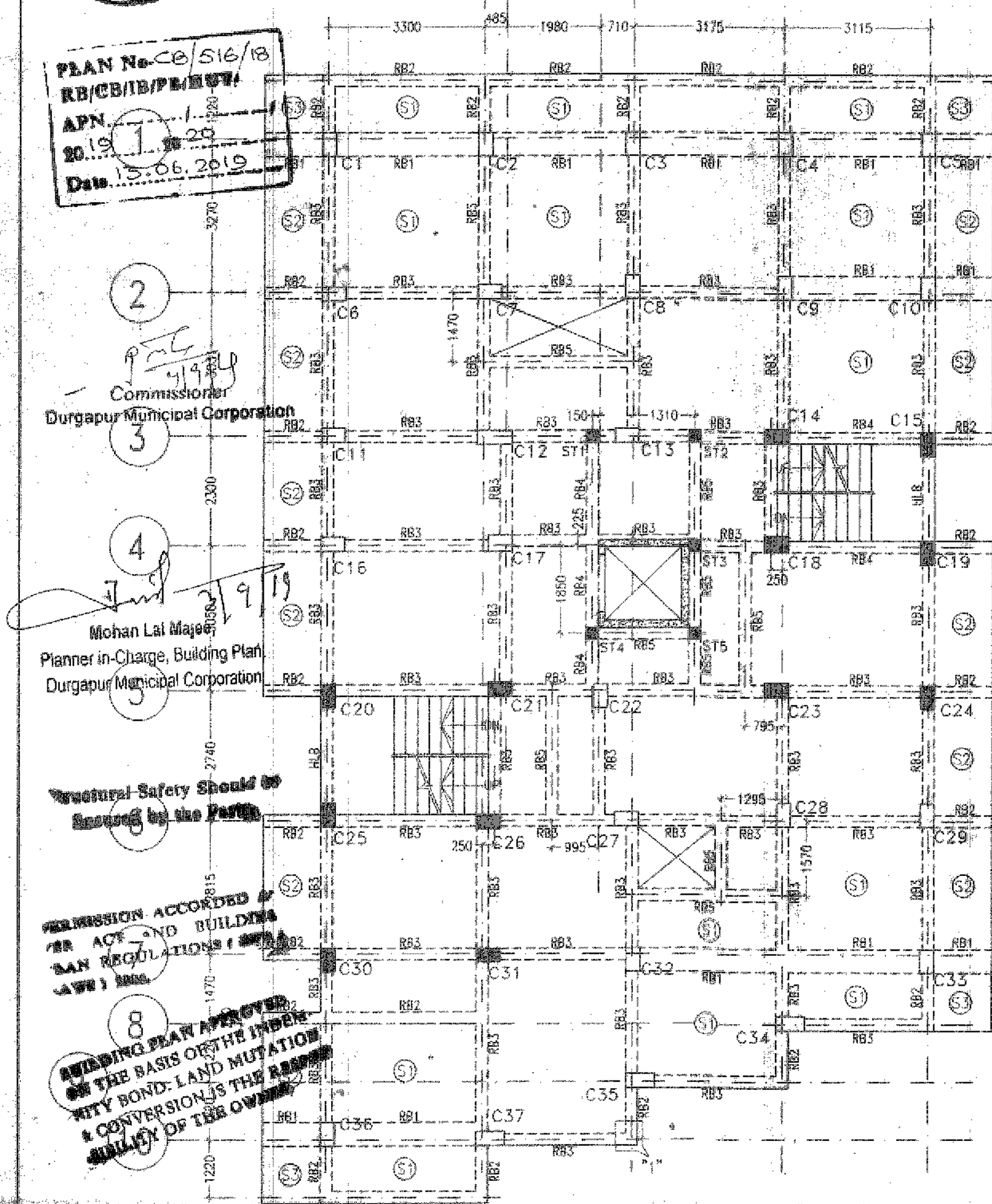
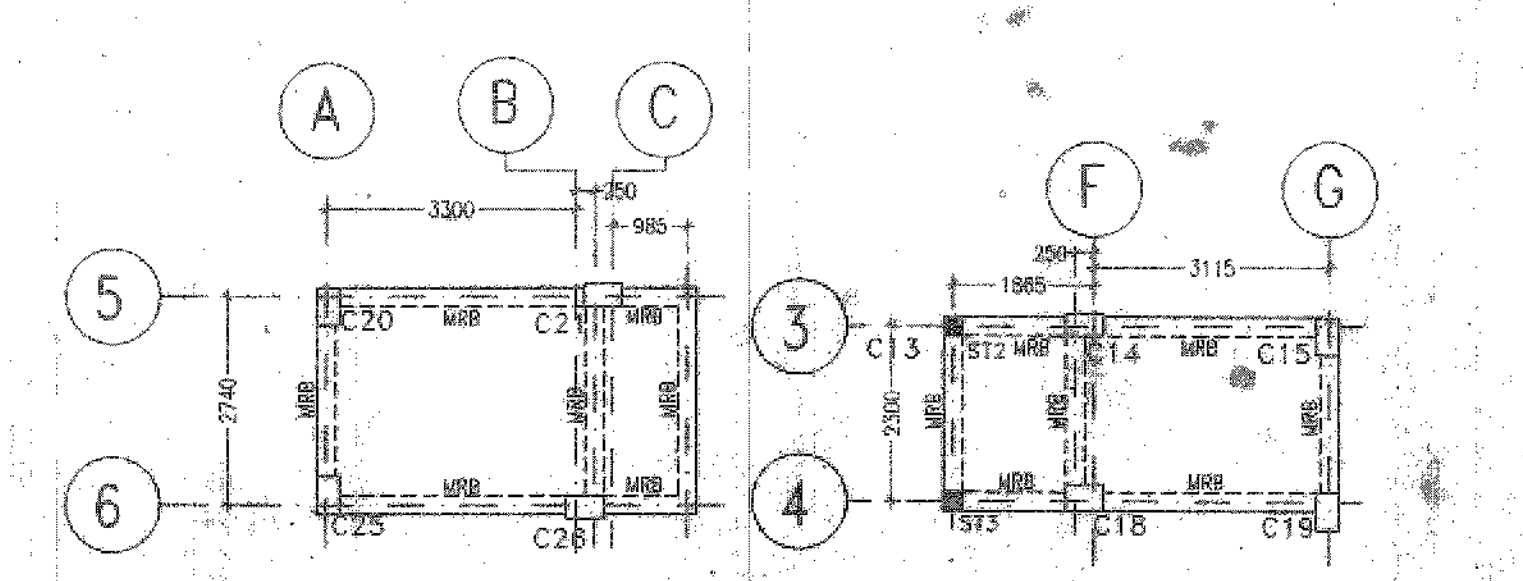


APPROVED

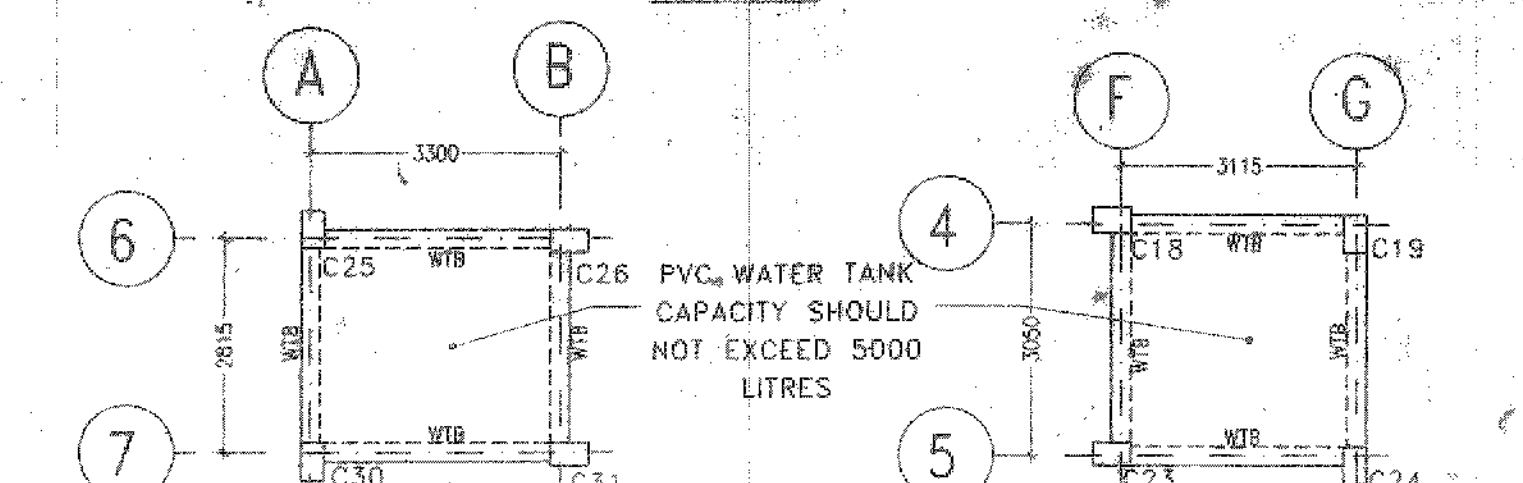
PLAN No. CE/S16/18
 RB/CB/IB/P/MB/W/
 APN 30.19
 Date 15.06.2019



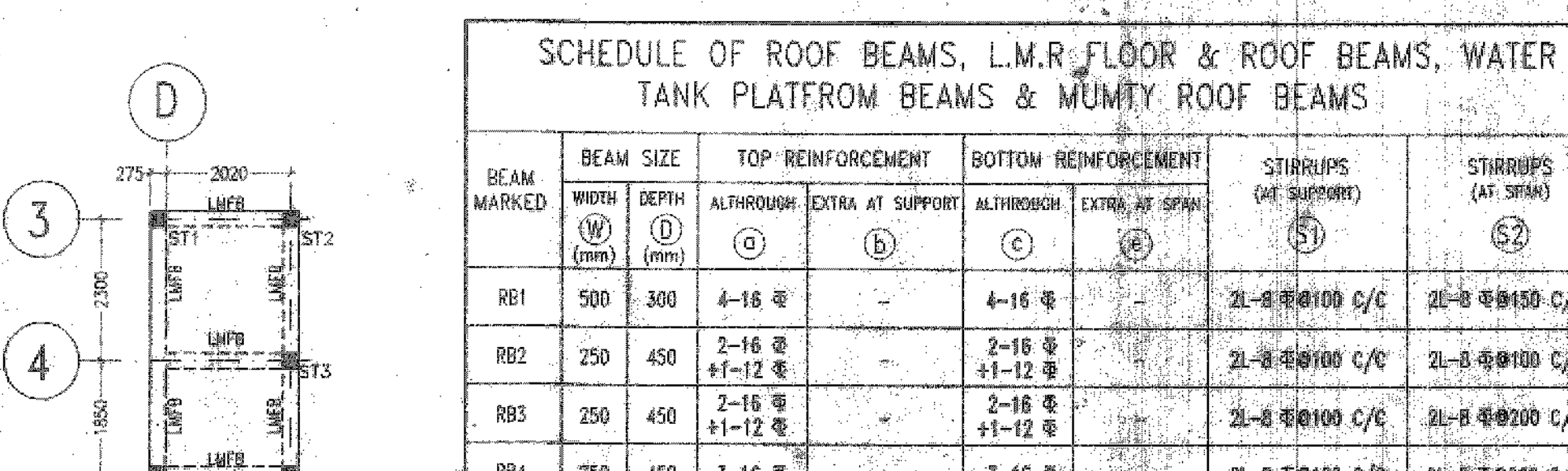
ROOF BEAM AND SLAB LAYOUT PLAN
 AT LEVEL (+)17.40m.
 S1 MARKED SLABS ARE 150 mm THICK
 S2, S3 & ALL OTHER SLABS ARE 110 mm THICK
 SCALE- 1:100



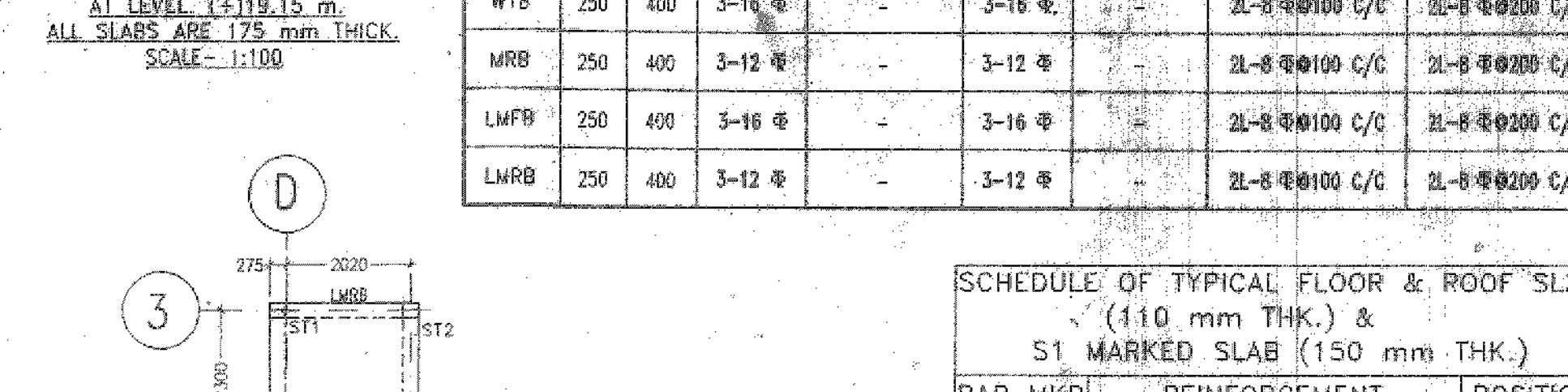
MUMMY ROOF BEAM & SLAB LAYOUT PLAN
 AT LEVEL (+)19.8m.
 ALL SLABS ARE 110 mm THICK.
 SCALE- 1:100



PVC WATER TANK CAPACITY SHOULD NOT EXCEED 5000 LITRES
 AT LEVEL (+)18.4 m.
 ALL SLABS ARE 175 mm THICK.
 SCALE- 1:100



L.M.R FLOOR BEAM & SLAB LAYOUT PLAN
 AT LEVEL (+)19.15 m.
 ALL SLABS ARE 175 mm THICK.
 SCALE- 1:100



L.M.R ROOF BEAM & SLAB LAYOUT PLAN
 AT LEVEL (+)21.25 m.
 ALL SLABS ARE 110 mm THICK.
 SCALE- 1:100

SCHEDULE OF ROOF BEAMS, L.M.R FLOOR & ROOF BEAMS, WATER TANK PLATFORM BEAMS & MUMMY ROOF BEAMS

BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)
	WIDTH (mm)	DEPTH (mm)	(a)	(b)	(c)	(d)		
RB1	500	300	4-16	-	4-16	-	2L-8 @ 100 C/C	2L-8 @ 150 C/C
RB2	250	450	2-16	-	2-16	-	2L-8 @ 100 C/C	2L-8 @ 100 C/C
RB3	250	450	2-16	-	2-16	-	2L-8 @ 100 C/C	2L-8 @ 200 C/C
RB4	250	450	3-16	-	3-16	-	2L-8 @ 100 C/C	2L-8 @ 200 C/C
RB5	250	400	2-16	-	2-16	-	2L-8 @ 100 C/C	2L-8 @ 200 C/C
WTB	250	400	3-16	-	3-16	-	2L-8 @ 100 C/C	2L-8 @ 200 C/C
MRB	250	400	3-12	-	3-12	-	2L-8 @ 100 C/C	2L-8 @ 200 C/C
LMB1	250	400	3-16	-	3-16	-	2L-8 @ 100 C/C	2L-8 @ 200 C/C
LMB2	250	400	3-12	-	3-12	-	2L-8 @ 100 C/C	2L-8 @ 200 C/C

SCHEDULE OF TYPICAL FLOOR & ROOF SLAB (110 mm THK.) & S1 MARKED SLAB (150 mm THK.)

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 @ 150 mm C/C (WHEREVER REQUIRED)	TOP

SCHEDULE OF S3 MARKED SLAB (THICKNESS- 110 mm.)

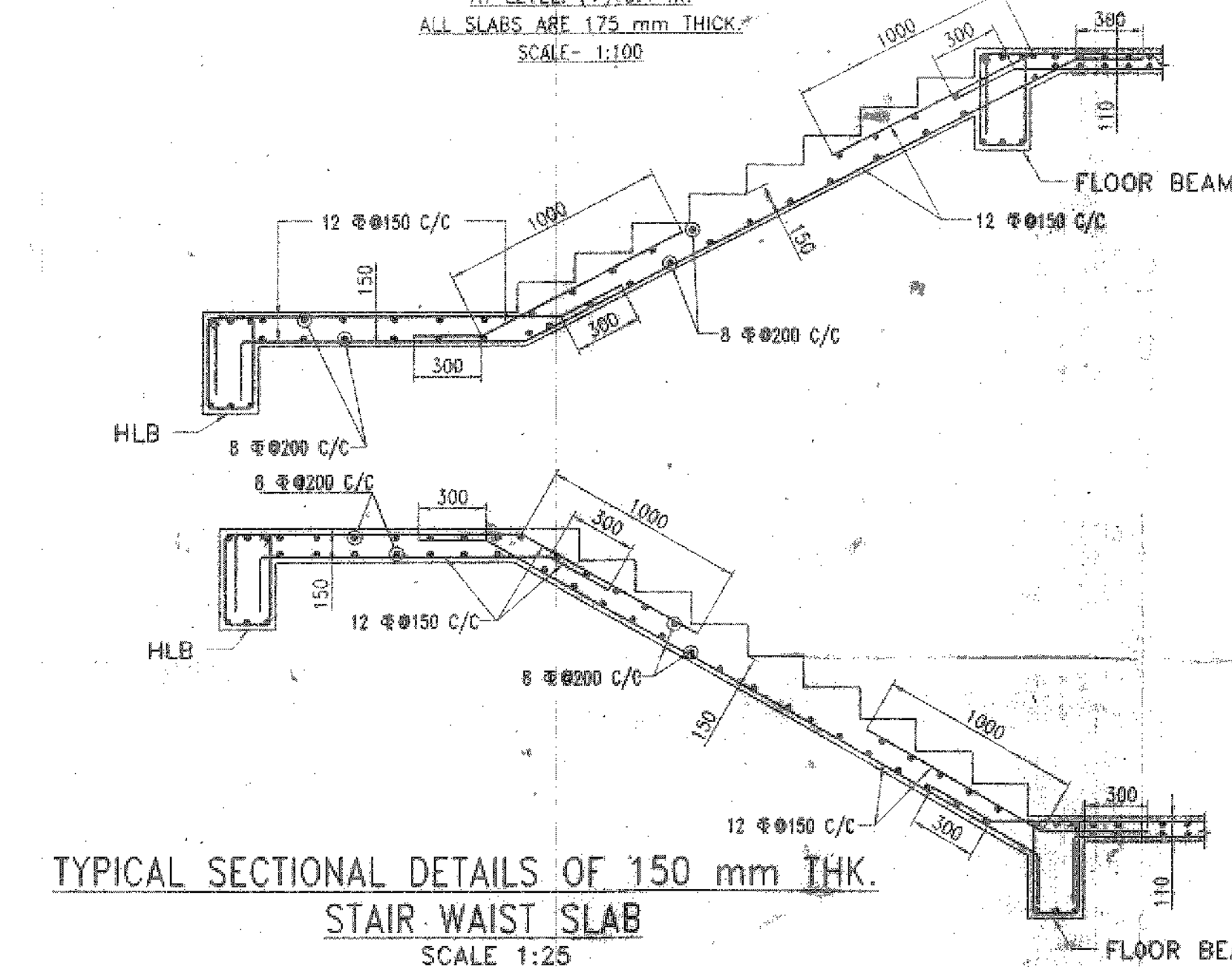
TOP REINFORCEMENT	BOTTOM REINFORCEMENT
10 @ 200 mm C/C (BOTH DIRECTION)	8 @ 150 mm C/C (BOTH DIRECTION)

SCHEDULE OF L.M.R ROOF & MUMMY ROOF SLAB (THICKNESS- 110mm.)

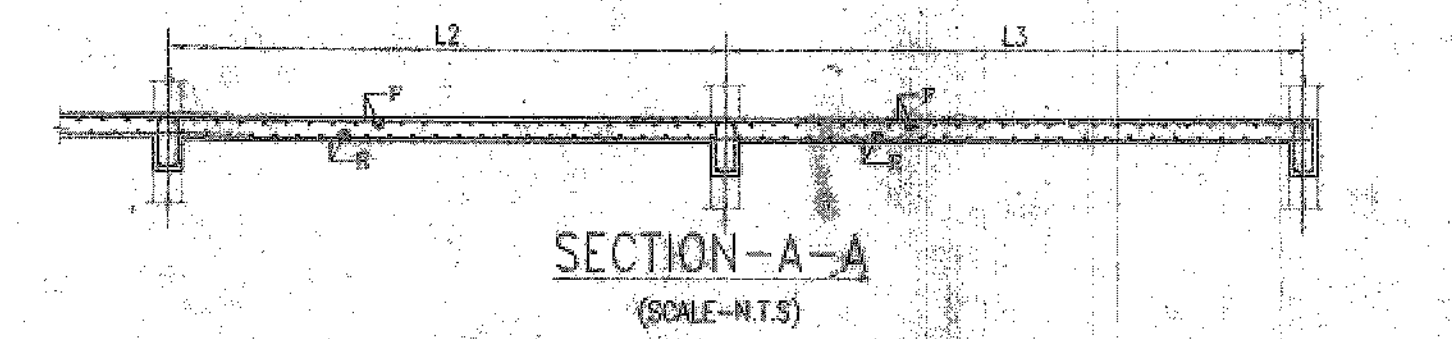
BAR MKD.	REINFORCEMENT	POSITION
E	8 @ 200 mm C/C (ALL THROUGH)	BOT.
F	8 @ 200 mm C/C (ALL THROUGH)	TOP

SCHEDULE OF L.M.R FLOOR & WATER TANK FLOOR SLAB (THICKNESS- 175mm.)

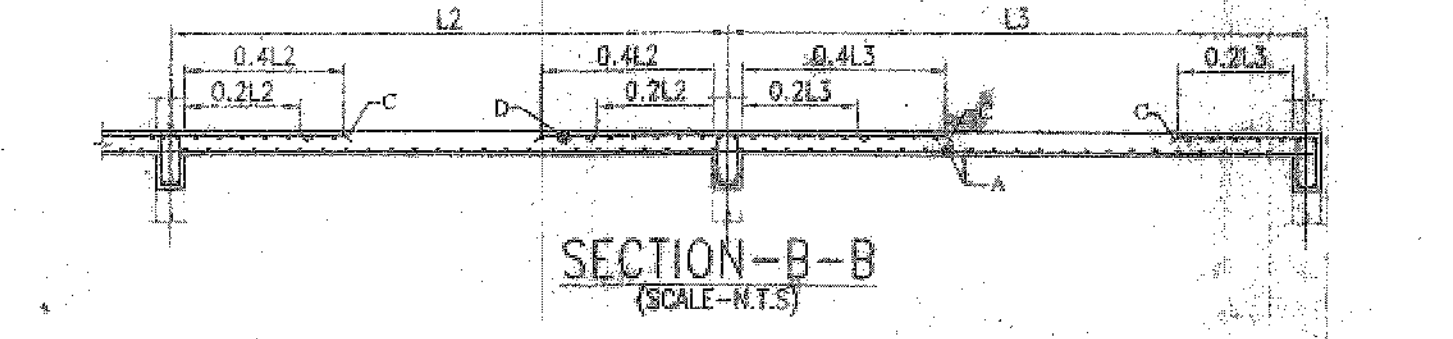
BAR MKD.	REINFORCEMENT	POSITION
E	10 @ 200 mm C/C (ALL THROUGH)	BOT.
F	10 @ 200 mm C/C (ALL THROUGH)	TOP



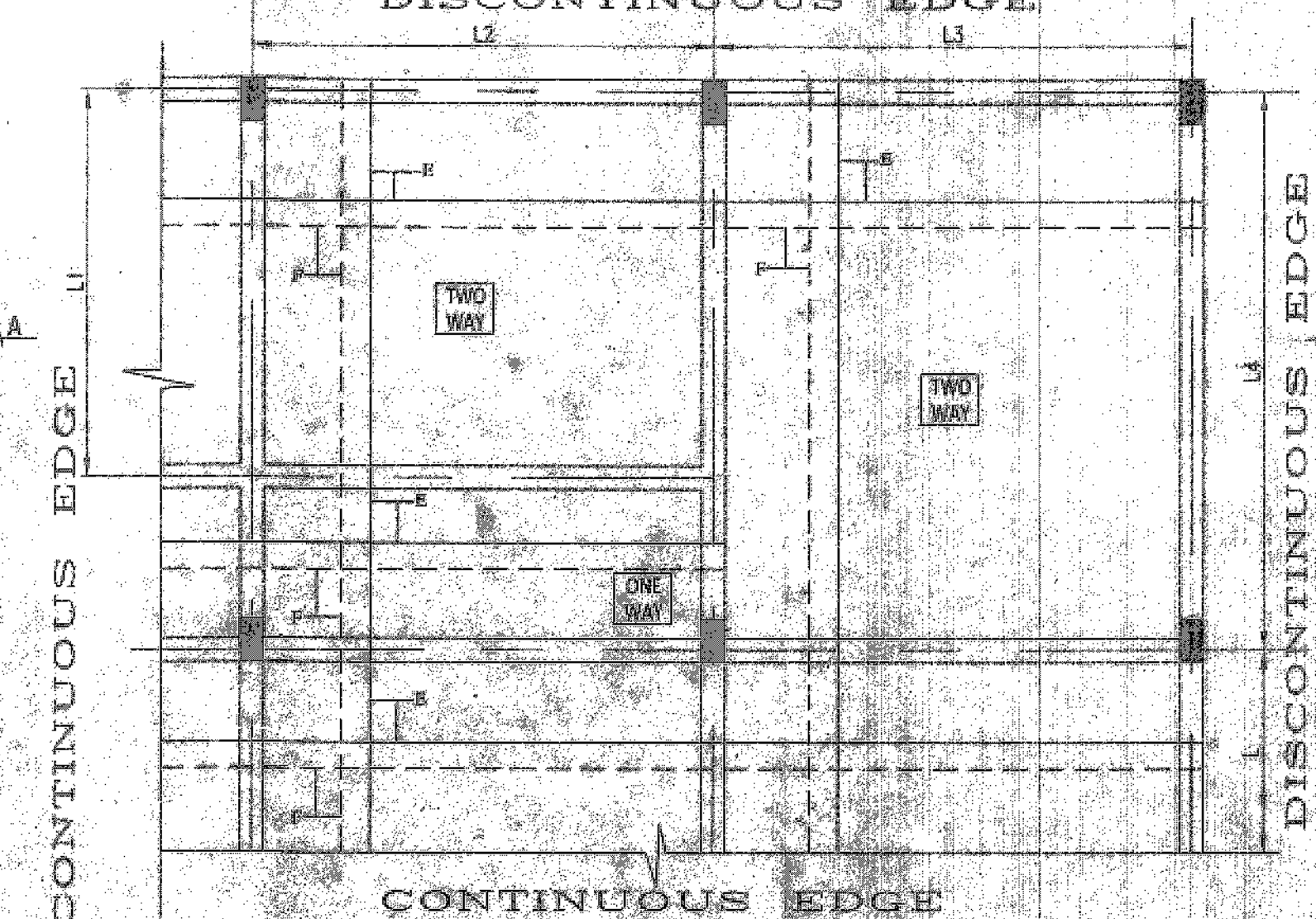
TYPICAL SECTIONAL DETAILS OF 150 mm THK. STAIR WAIST SLAB
 SCALE 1:25



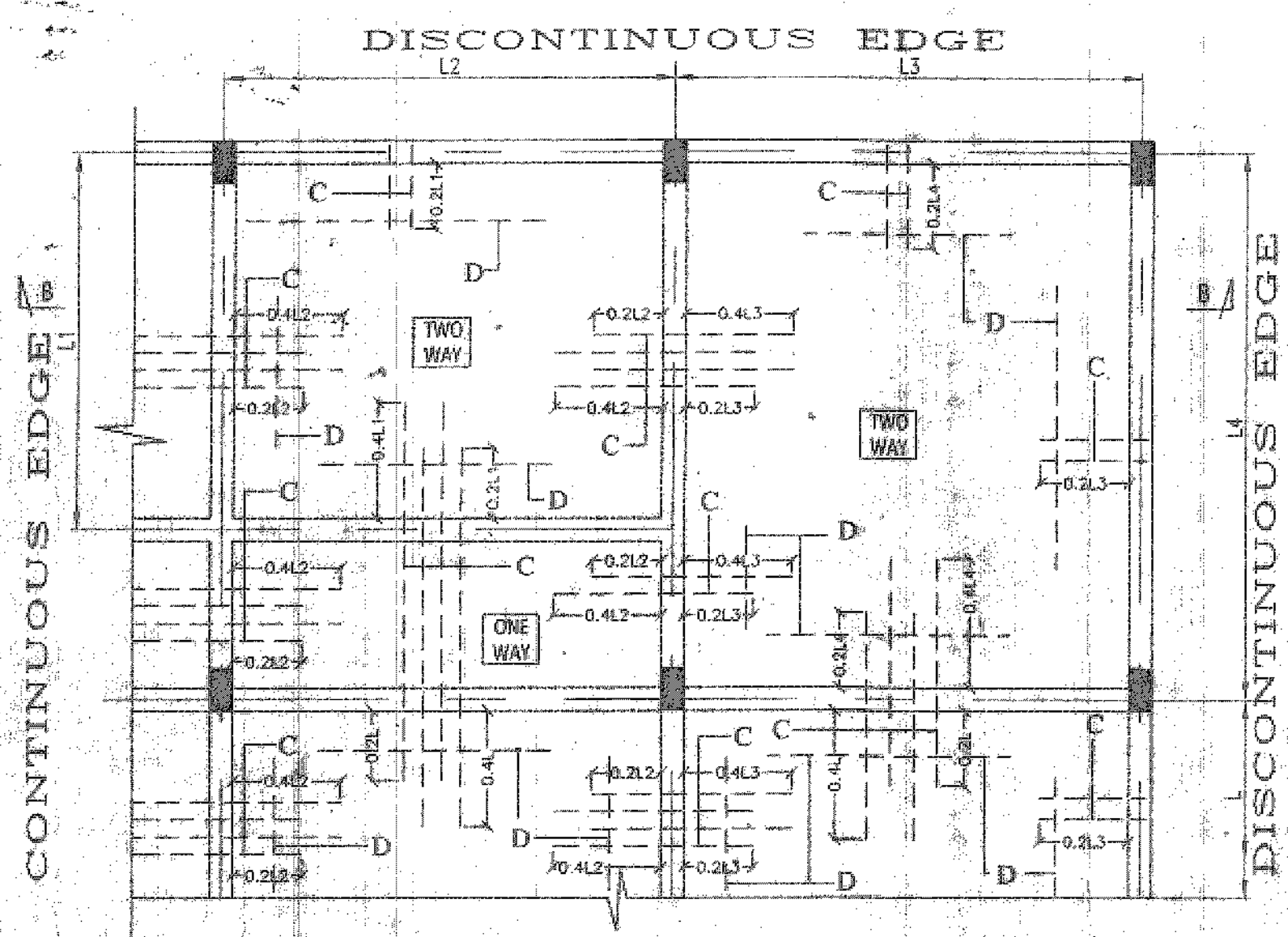
SECTION-A-A
 (SCALE-N.T.S)



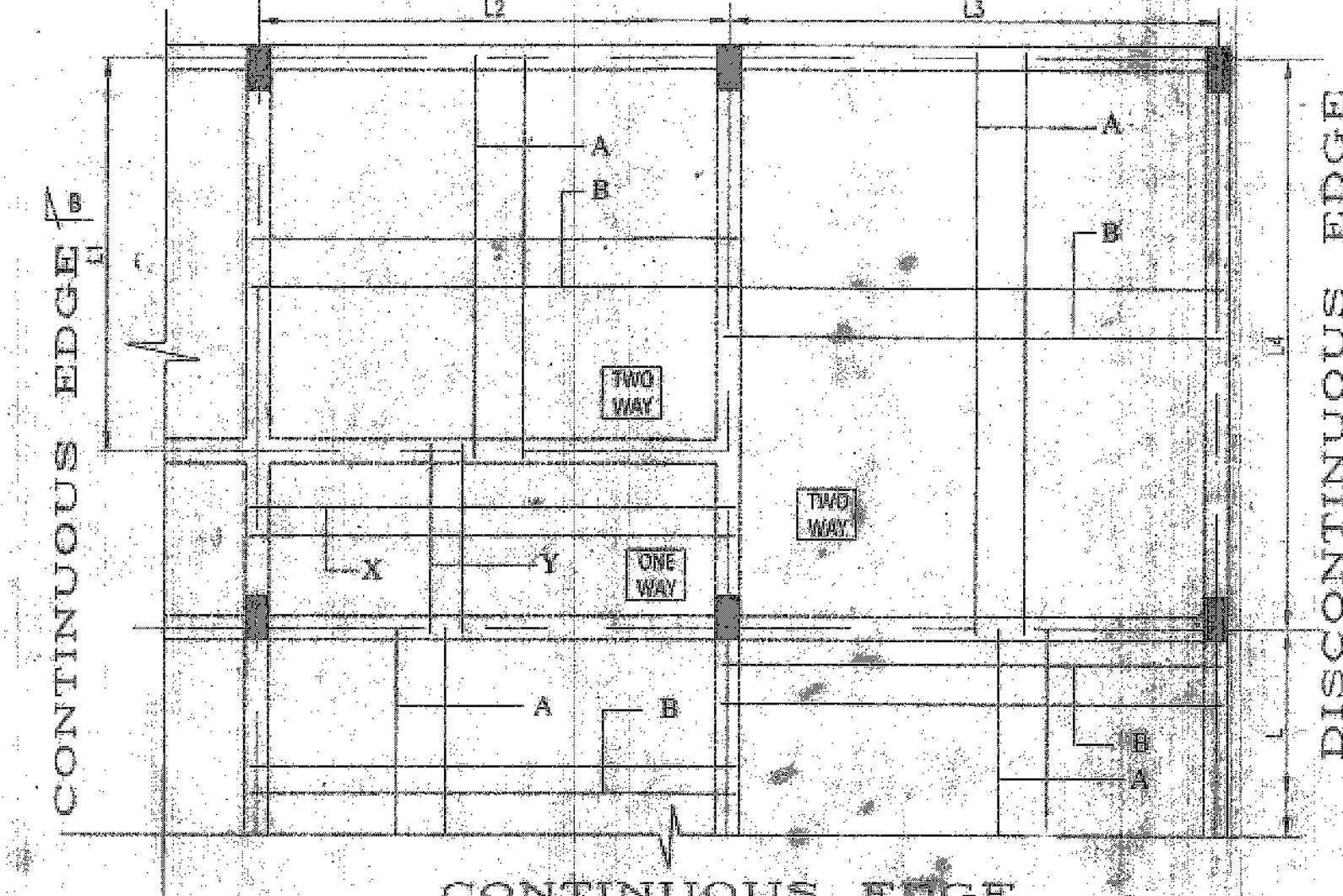
SECTION-B-B
 (SCALE-N.T.S)



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP & BOTTOM)
 (SLAB THICKNESS 110 mm & 175 mm)
 (SCALE-N.T.S)



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP)
 (SLAB THICKNESS 110 mm & 150 mm)
 (SCALE-N.T.S)



TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
 (SLAB THICKNESS 110 mm & 150 mm)
 (SCALE - N.T.S.)

SPECIAL NOTES:
 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.

- 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 HOT 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 & 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 LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDES.
 - WHEN TWO SLAB PANELS MEET ALONG A COMMON BEAM THEN THE TOP REINFORCEMENT TO BE PROVIDED FOR BOTH THE PANELS SHOULD BE THE HIGHER ONE AMONG THE TABULATED VALUES FOR THE INDIVIDUAL PANELS.
 - IN ALL CANTILEVER SLABS WITHOUT PERIPHERAL BEAMS THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UP AT LEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT SLAB.

TITLE
 STRUCTURAL DRAWING OF PROPOSED G+5 STORED RESIDENTIAL (APARTMENT) BUILDING OF BLUE ONYX PVT. LTD., OVER R.S. PLOT NO.- 780, L.R. PLOT NO. - 726, KHATIAN NO.- 7276, MOUZA - FULJHOR, J.L. NO- 107, P.S. - NEW TOWNSHIP, DIST- PASCHIM BURWAN. * HOLDING NO. - N/118 * ASSESSMENT NO. - 3309401124129 * CIRCLE/WARD NO. - 25 * ADDRESS. - ROAD -72, FULJHORE, DGP-06

CERTIFICATE OF STRUCTURAL ENGINEER
 THE STRUCTURAL DESIGN AND DESIGN OF SOIL FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME, CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS.

Soumyadip Dutta
 B.TECH (WBUT)
 CIVIL ENGINEER
 LICENCE NO. - 15112351 KMC
 Chartered Engineer

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT
 I DO HEREBY CONFIRM AND CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME KEEPING THE PROVISION OF NBC OF INDIA AND CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECTS.

Vijaya Singh
 DMC REGISTERED
 LIC NO. - 0102/PP/06

SIGNATURE OF GEOTECHNICAL ENGINEER
 THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT

Subhradeep Chakraborty
 B.CE (I.U.), A.E (I), M.I.G.S
 Enrollee: GEO-Technical Engineer Of NKDA
 NO. - CTER/NKDA/10/00029

SIGNATURE OF

SIGNATURE OF VETTING AUTHORITY

CERTIFICATE OF OWNER
 THIS IS TO CERTIFY THAT I SHALL TAKE ON A WATER DATE, MAKE AMENDMENT OR ALTERATION TO THIS PLAN. THIS IS CERTIFIED THAT I HAVE DONE THROUGH THE USE OF ROAD AND ALSO MADE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.

Blue Onyx Private Limited
 Director

DRAWING TITLE
 ROOF & ABOVE ROOF BEAM AND SLAB LAYOUT PLAN & REINFORCEMENT DETAILS, TYPICAL DETAIL OF STAIRCASE.

SCALE-1:100 OR AS SHOWN
 DATE- 16.05.2019
 SHEET NO. - 3 OF 3