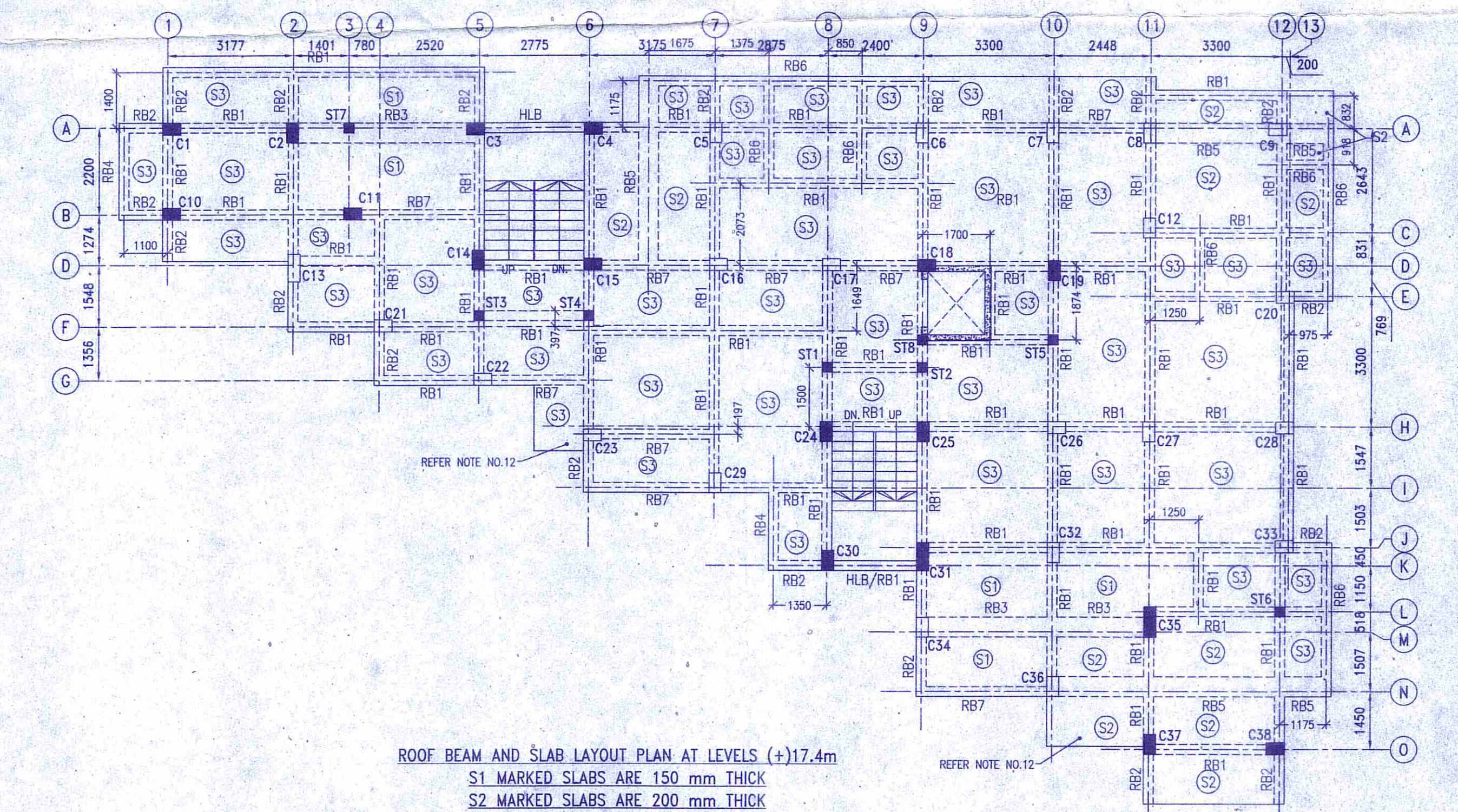


**TYPICAL (FIRST TO FIFTH) FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVELS (+)2.9m, (+)5.8m, (+)8.7m, (+)11.6m, (+)14.5m**  
 S1 MARKED SLABS ARE 150 mm THICK  
 S2 MARKED SLABS ARE 200 mm THICK  
 S3 MARKED SLABS ARE 115 mm THICK  
 HLB REFERS TO HALF LANDING BEAM  
 SCALE- 1:100



**ROOF BEAM AND SLAB LAYOUT PLAN AT LEVELS (+)17.4m**  
 S1 MARKED SLABS ARE 150 mm THICK  
 S2 MARKED SLABS ARE 200 mm THICK  
 S3 MARKED SLABS ARE 115 mm THICK  
 HLB REFERS TO HALF LANDING BEAM  
 SCALE- 1:100

APN No. CC/48/17  
 RB/SB/ST/HLB  
 APPROVED  
 18.08.2020  
 Date

Commissioner  
 Durgapur Municipal Corporation  
 Mohan Lal Majee  
 Planner in-Charge, Building Plan,  
 Durgapur Municipal Corporation

**BUILDING PLAN APPROVED ON THE BASIS OF THE INDENTED BOND, LAND MUTATION & CONVERSION IS THE RESPONSIBILITY OF THE OWNER**

**SCHEDULE OF TYPICAL FLOOR 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		
FB1	250	450	3-16	2-12	3-16	2-12	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
FB2	250	450	3-16	2-12	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
FB3	250	450	3-16	2-12	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
FB4	250	450	3-20	2-16	3-20	2-16	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
FB5	500	150	5-16	-	5-16	-	4L-10 $\phi$ 100 C/C	4L-10 $\phi$ 125 C/C
FB6	250	400	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
FB7	500	300	5-20	-	5-20	-	4L-10 $\phi$ 100 C/C	4L-10 $\phi$ 100 C/C
FB8	250	300	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 150 C/C
FB9	250	450	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
HLB	250	450	3-16	2-12	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C

**SCHEDULE OF ROOF & 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		
RB1	250	450	3-16	2-12	3-16	2-12	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
RB2	250	450	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 100 C/C
RB3	500	150	5-20	-	5-20	-	4L-10 $\phi$ 100 C/C	4L-10 $\phi$ 100 C/C
RB4	250	400	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
RB5	500	300	5-20	-	5-20	-	4L-10 $\phi$ 100 C/C	4L-10 $\phi$ 100 C/C
RB6	250	300	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 150 C/C
RB7	250	450	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
LMFB	250	450	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
LMRB	250	450	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
WTB	250	450	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 200 C/C
MRB	250	450	3-16	-	3-16	-	2L-8 $\phi$ 100 C/C	2L-8 $\phi$ 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-500/500D CONFORMING TO IS-1786-2008.
  - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 50x 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 & 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 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.

**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 DRAWING OF PROPOSED G+5 STORED RESIDENTIAL (APARTMENT) BUILDING OF AMANTRAN PROJECTS PVT. LTD. OVER L.R. PLOT NO.- 51(P), 292(P), 295(P), 297(P), L.R. KHATIAN NO. - 338, MOUZA - HARIBAZAR, J.L. NO.- 106 , P.S. - NEWTOWNSHIP , DIST.- BURDWAN  
 \* HOLDING NO.- 43/N  
 \* I D NO.- 66013  
 \* CIRCLE/WARD NO. - C/25  
 NAME OF STREET - ROAD-71, HARI BAZAR, DGP-06

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

Vijaya Singh

VIJAYA SINGH  
 DMC REGISTERED  
 LIC NO. - DMC/BPD/60

SIGNATURE OF GEOTECHNICAL ENGINEER

ASIM SARKAR  
 B.C.E., M.E (SOIL), MIGS  
 EXPANDED GEOTECHNICAL ENGINEER  
 K.M.C. No. - CLASS -1/2

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

S. Choudhury 21/9/20  
 SUSMITA CHOUDHURY  
 B.TECH (WBUT)  
 CIVIL ENGINEER, NKDA  
 LICENCE NO.- EVER/NKDA/10/00175

Dona Chatterjee 21/9/20  
 DONA CHATTERJEE  
 Structural Consultant  
 B. E. CIVIL (First class. Hons.) J U  
 M. E. Structures (First class) J U  
 ESE- II (K. M. C.) Licence No. ESE/11818

SIGNATURE OF THE VETTING AUTHORITY

THE SOIL REPORT DOES NOT CONTAIN BEARING CAPACITY CORRESPONDING TO THE RAFT. THEREFORE IT IS EXTREMELY IMPORTANT TO GET A REPORT FROM A COMPETENT GEO-TECHNICAL ENGINEER, BEFORE EXECUTION OF THE WORK, TO VERIFY WHETHER A BEARING CAPACITY OF 11 TON/SQ.M. IS REALLY ACHIEVABLE AT SITE. SO THIS DRAWING IS PROVISIONALLY VETTED WITH THE ABOVE CONDITION.

CHECKED & VETTED  
 DR. DIPANKAR CHATTERJEE  
 STRUCTURAL ENGINEER (M. TECH)  
 JADAVPUR UNIVERSITY  
 WILD LIFE DEPARTMENT  
 M.TECH (STRUCTURE) & MEDICALIST  
 FIELD LIT. EXP.  
 (CIVIL) 023-2657-2889  
 (MOB) 9830386022 & 9830393143  
 EMAIL: prof.dipankar@gmail.com

CERTIFICATE OF OWNER

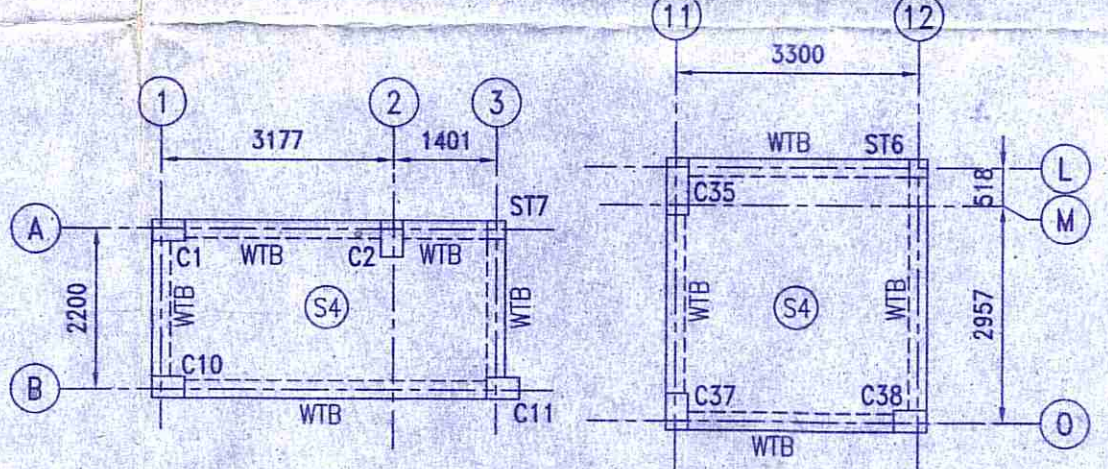
THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN. THIS IS CERTIFIED THAT I HAVE GONE THROUGH THE REPORT OF MEASUREMENT AND ALSO ABIDE BY THESE RULES DURING AND LATER CONSTRUCTION OF BUILDING.

Ashok Majumdar, Debansh Mukherjee  
 Surenjit Maistri  
 Surendra Nath Chatterjee

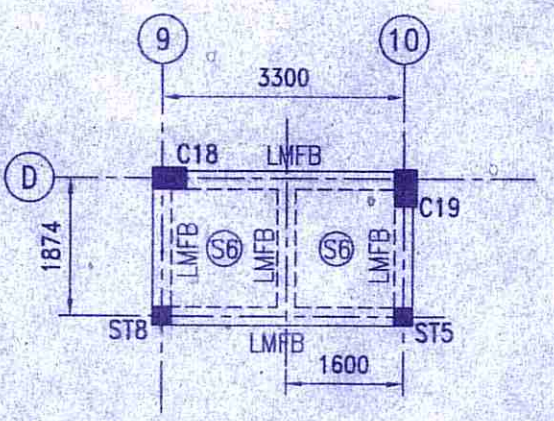
DRAWING TITLE

TYPICAL FLOOR & ROOF FLOOR BEAM AND SLAB LAYOUT PLAN & REINFORCEMENT DETAILS.

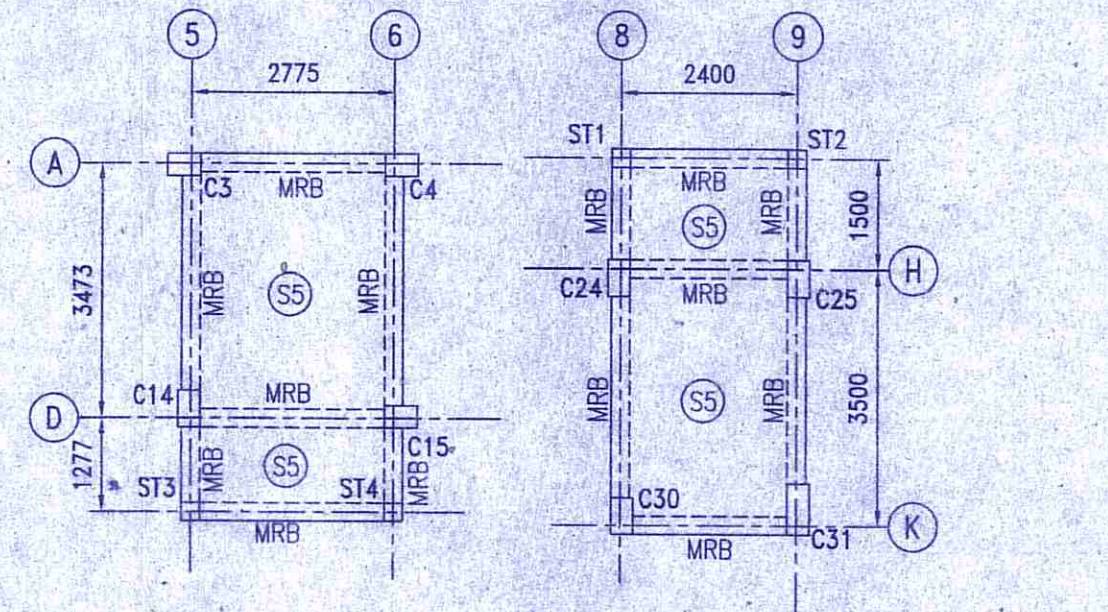
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 SHEET NO. - 3 OF 4



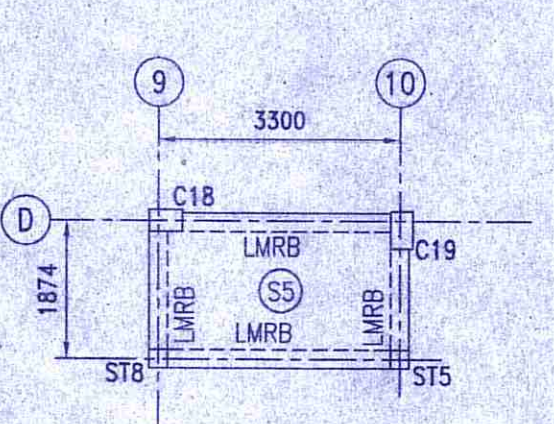
**WATER TANK ROOF BEAM & SLAB LAYOUT PLAN**  
 AT LVL. (+)18.4 m.  
 P.V.C. TANK CAPACITY OF EACH WATER TANK SHOULD NOT EXCEED 10000 LTR.  
 (S4 MARKED SLABS ARE 200 mm. THK.)  
 SCALE- 1:100



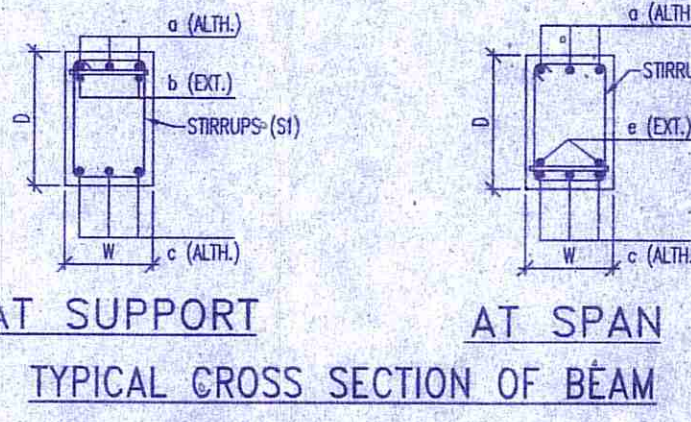
**LIFT MACHINE ROOM FLOOR BEAM & SLAB LAYOUT PLAN**  
 AT LVL. (+)19.25 m.  
 (S5 MARKED SLABS ARE 150 mm THICK)  
 SCALE- 1:100



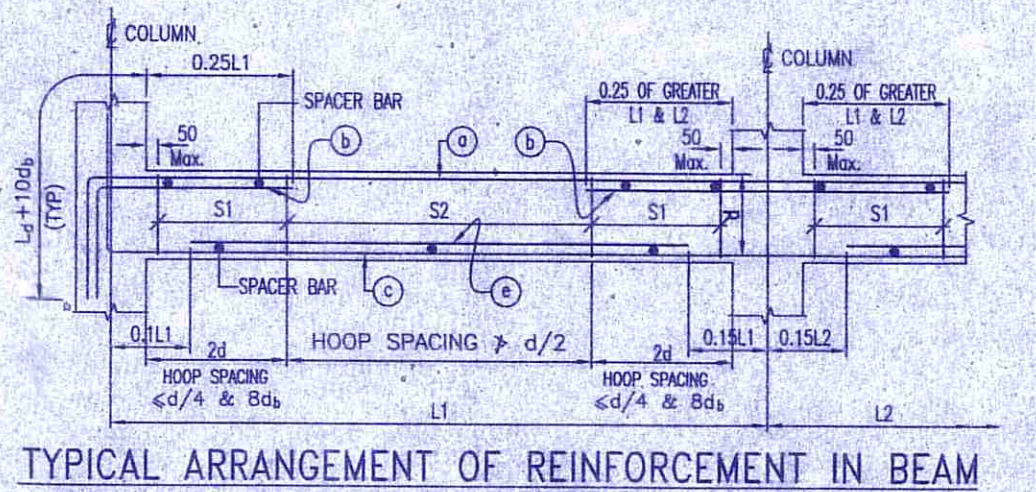
**MUMMY ROOF BEAM & SLAB LAYOUT PLAN**  
 AT LVL. (+)19.8 m.  
 (S5 MARKED SLABS ARE 110 mm. THK.)  
 SCALE- 1:100



**LIFT MACHINE ROOM ROOF BEAM & SLAB LAYOUT PLAN**  
 AT LVL. (+)22.00 m.  
 (S5 MARKED SLABS ARE 110 mm. THK.)  
 SCALE- 1:100



AT SUPPORT AT SPAN  
 TYPICAL CROSS SECTION OF BEAM



TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM