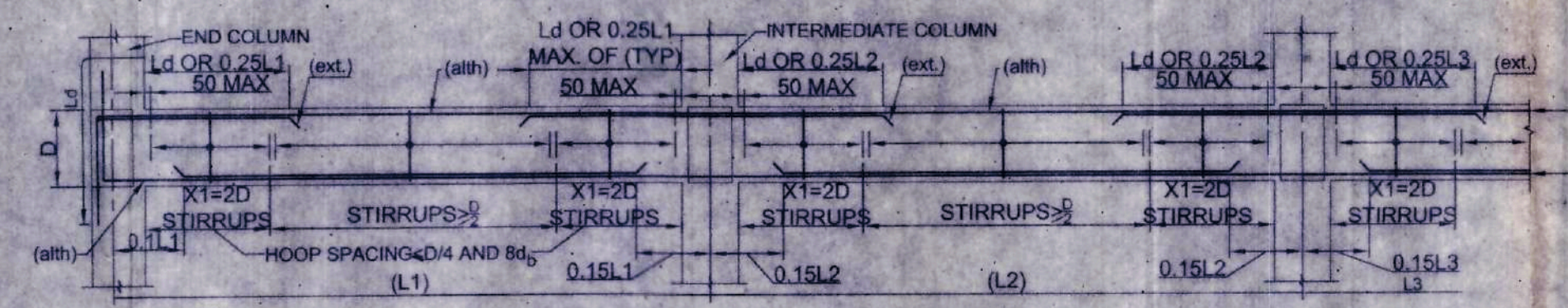


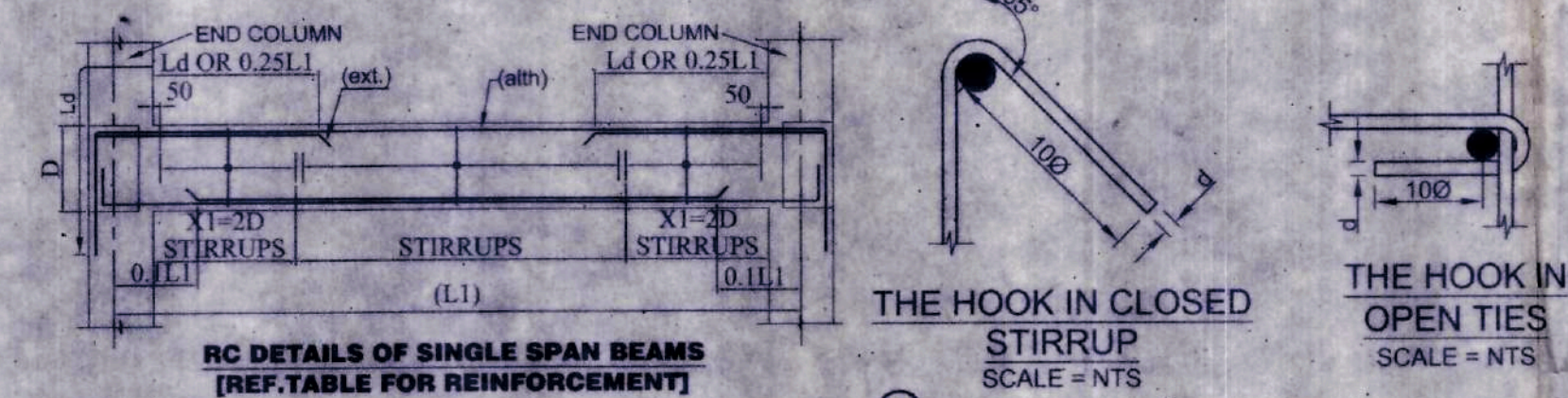
SCHEDULE OF SLAB

DEPTH (MM)	REINFORCEMENT		DISTRIBUTION BAR
	SHORTER DIRECTION	LONGER DIRECTION	
125	8ØT @ 150 MM C/C	8T @ 150 MM C/C	8T @ 200 MM C/C

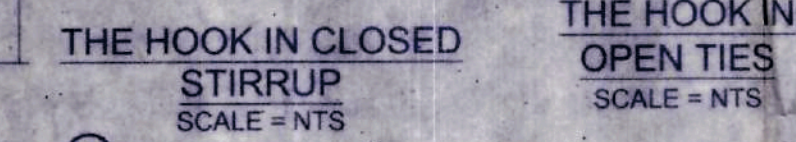
- NOTES:-**
- ALL SLAB ARE 125mm THK
 - ALL BOTTOM REINFORCEMENTS SHALL BE 8 Ø @ 150 C/C
 - ALL TOP REINFORCEMENTS SHALL BE 8 Ø @ 150 c/c
 - ALL DISTRIBUTION BAR SHALL BE 8Ø @ 200 c/c



TYPICAL RC DETAILS OF MULTI-SPAN BEAMS (REF. TABLE FOR REINFORCEMENT)

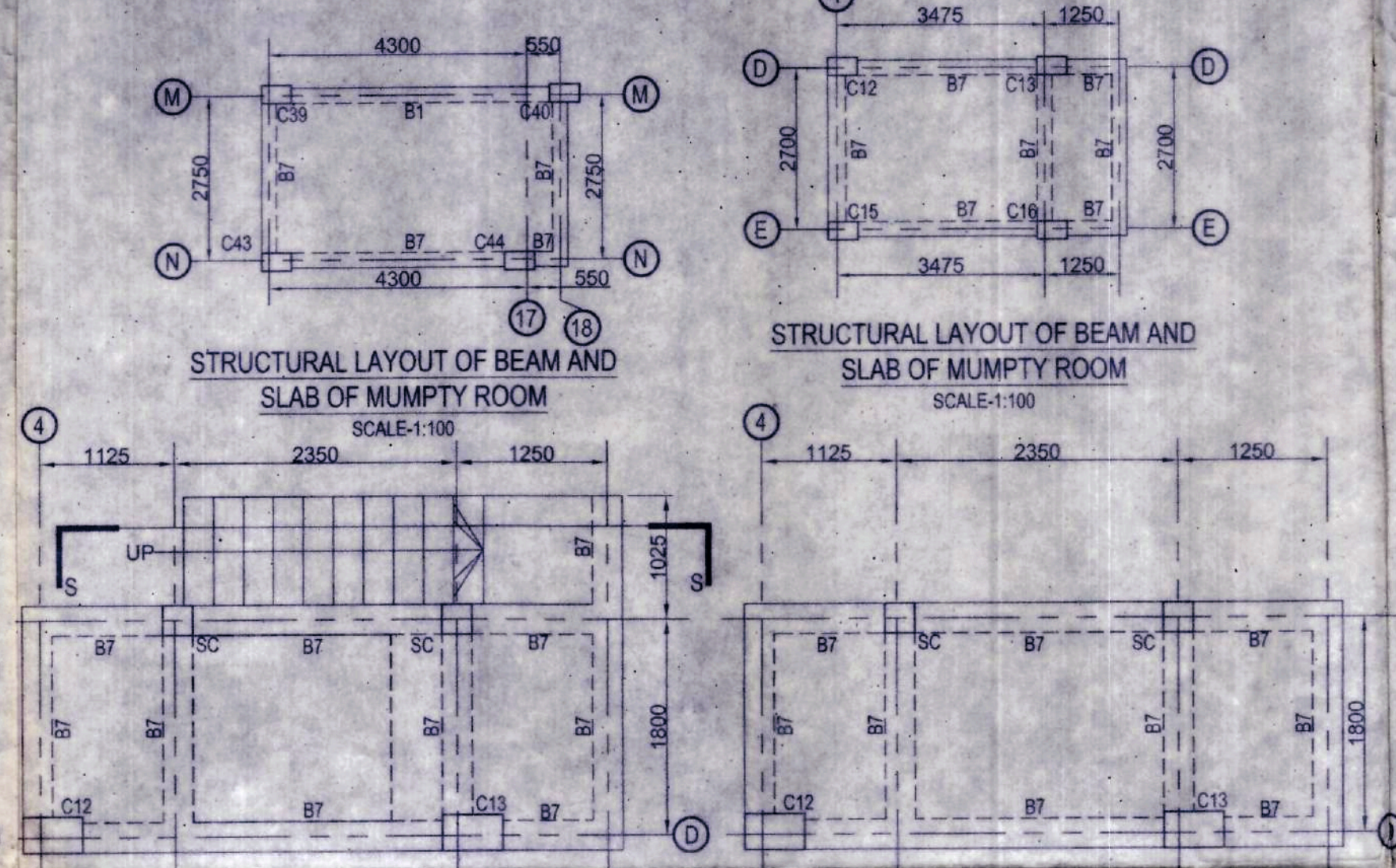


RC DETAILS OF SINGLE SPAN BEAMS (REF. TABLE FOR REINFORCEMENT)



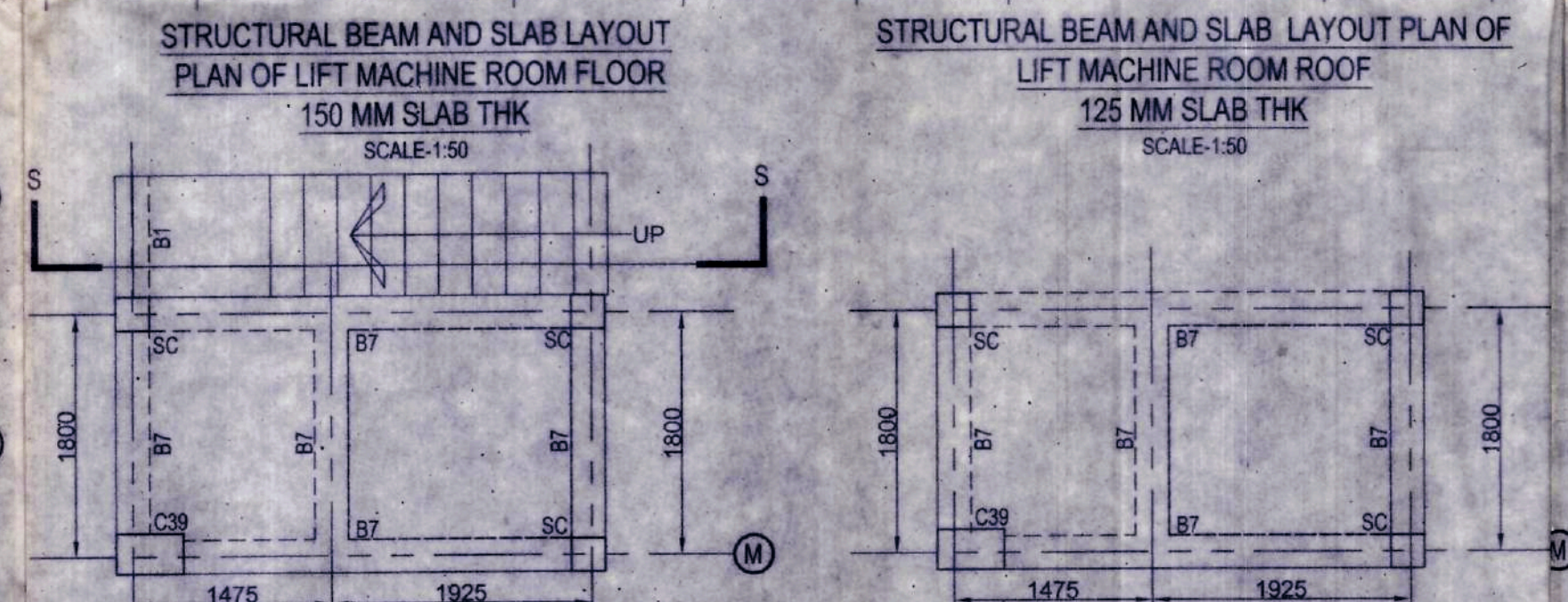
THE HOOK IN CLOSED STIRRUP SCALE = NTS

THE HOOK IN OPEN TIES SCALE = NTS



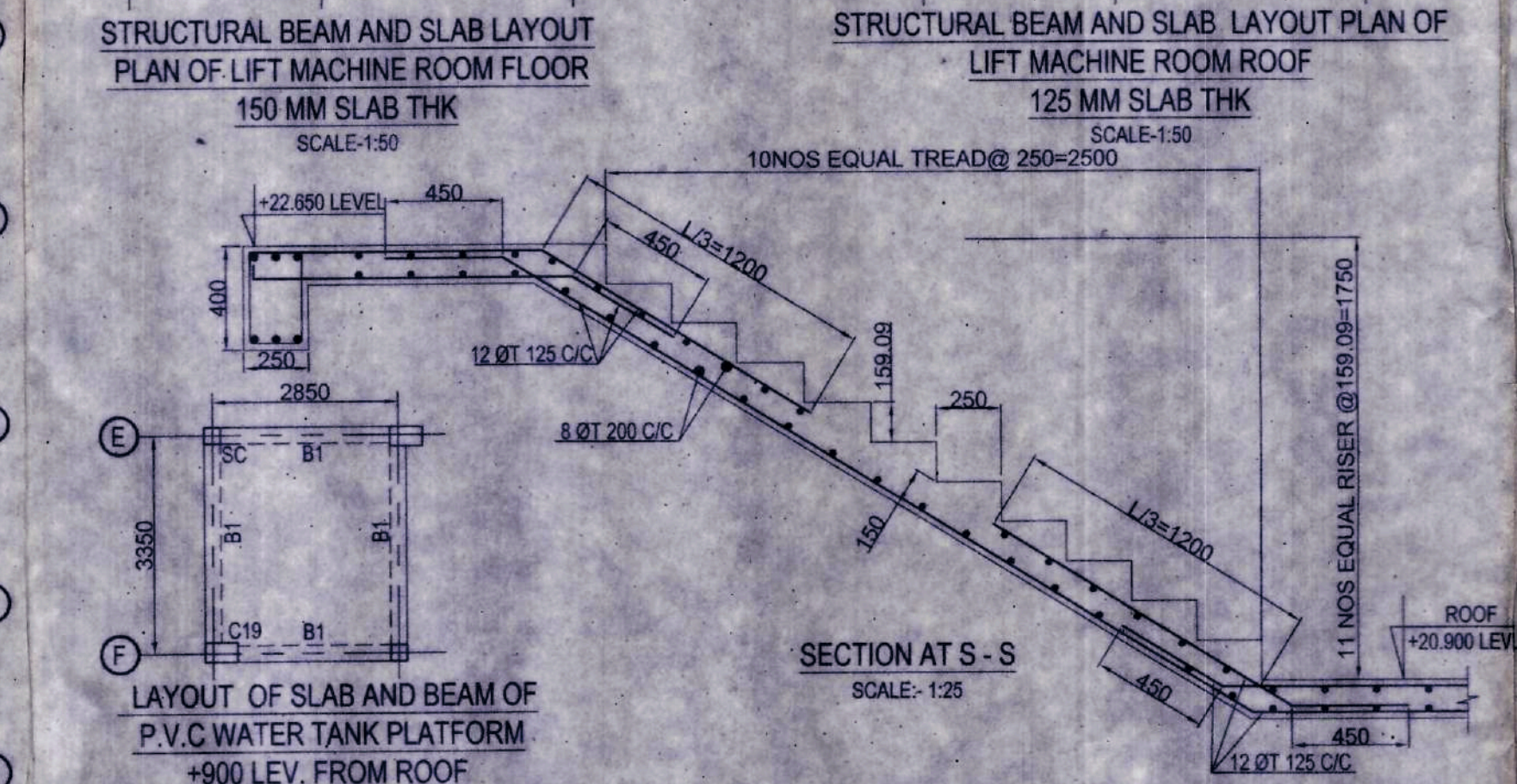
STRUCTURAL LAYOUT OF BEAM AND SLAB OF MUMMY ROOM SCALE:1:100

STRUCTURAL LAYOUT OF BEAM AND SLAB OF MUMMY ROOM SCALE:1:100



STRUCTURAL BEAM AND SLAB LAYOUT PLAN OF LIFT MACHINE ROOM FLOOR 150 MM SLAB THK SCALE:1:50

STRUCTURAL BEAM AND SLAB LAYOUT PLAN OF LIFT MACHINE ROOM ROOF 125 MM SLAB THK SCALE:1:50

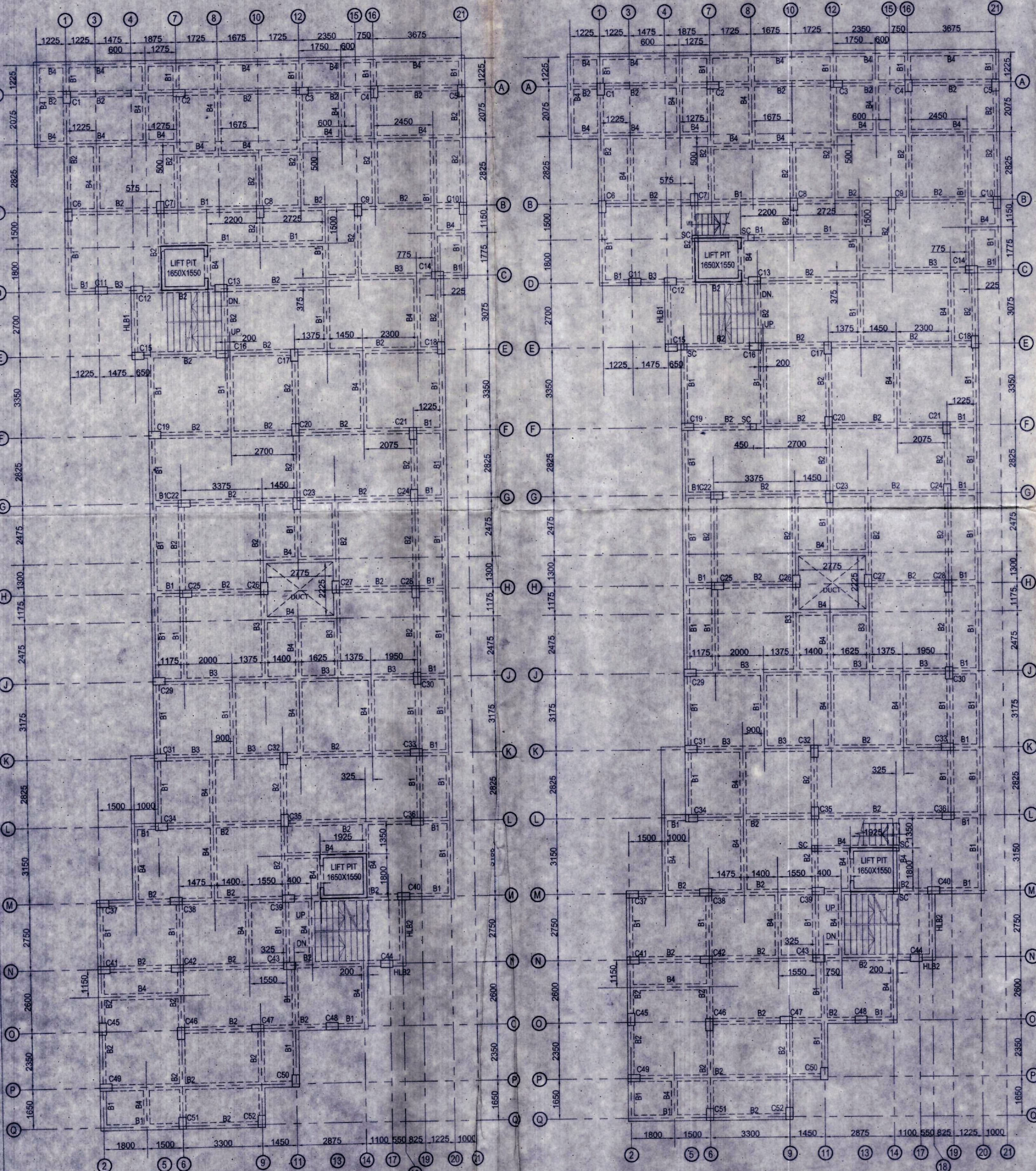


LAYOUT OF SLAB AND BEAM OF P.V.C WATER TANK PLATFORM +900 LEV. FROM ROOF SCALE:1:100

SECTION AT S-S SCALE: 1:25

SCHEDULE OF FLOOR BEAM

BEAM MKD.	BEAM SIZE	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS	
		ALL THROUGH	EXTRA AT SUPPORT	ALL THROUGH	EXTRA AT SPAN	AT SUPPORTS	AT SPANS
B1	250 400	3-16ØT		3-16ØT		2L 8Ø @ 75C/C	2L 8Ø @ 150C
B2	250 400	3-16ØT	2-16ØT	3-16ØT		2L 8Ø @ 75 C/C	2L 8Ø @ 150C
B3	250 400	3-16ØT		3-16ØT		2L 8Ø @ 75 C/C	2L 8Ø @ 150C
B4	250 400	3-12ØT		3-12ØT		2L 8Ø @ 75 C/C	2L 8Ø @ 150C
B5	250 400	3-16ØT	3-16ØT	3-16ØT	3-16ØT	2L 8Ø @ 75 C/C	2L 8Ø @ 150C
B6	250 400	3-16ØT	3-20ØT	3-16ØT	3-16ØT	2L 8Ø @ 75 C/C	2L 8Ø @ 150C
B7	250 400	3-12ØT		3-12ØT		2L 8Ø @ 75 C/C	2L 8Ø @ 150C
H.L.B1	250 400	3-16ØT	3-16ØT	3-16ØT	3-16ØT	2L 8Ø @ 75 C/C	2L 8Ø @ 150C
H.L.B2	250 400	3-16ØT	2-16ØT	3-16ØT		2L 8Ø @ 75 C/C	2L 8Ø @ 150C



STRUCTURAL LAYOUT PLAN OF TYPICAL FLOOR (1ST TO 6TH) SLAB AND BEAM ALL SLABS ARE 125 MM THK SCALE:1:100

STRUCTURAL LAYOUT PLAN OF ROOF SLAB AND BEAM ALL SLABS ARE 125 MM THK SCALE:1:100

- NOTES:**
- ALL DIMENSIONS ARE IN MM. AND LEVELS ARE IN M. UNLESS OTHERWISE MENTIONED.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING NO.-MN/APT(DMC)-16/2021-04/RUDIA-1 TO A-3.
 - NO DIMENSION ARE TO BE SCALED OUT FROM THE DRAWING, ONLY FIGURE WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 - DIMENSIONS SHOULD BE VERIFIED AT SITE BEFORE EXECUTION OF WORK.
 - PROVISIONS OF I.S. 456-2000 SHALL BE FOLLOWED FOR R.C.C. WORK.
 - GRADE OF CONCRETE SHALL BE M25 FOR SUB STRUCTURE & SUPERSTRUCTURE.
 - ALL REINFORCEMENT SHALL BE T.M.T BARS FE-500D
 - REINFORCEMENT SHALL HAVE NOMINAL COVER EXCLUDING PLASTER OR OTHER DECORATIVE FINISH AS FOLLOWS:
 - 50MM IN FOUNDATION, 40MM IN COLUMN, 25MM IN BEAM, 20MM IN SLAB
 - NOT MORE THAN ONE THIRD OF TOTAL NOS OF MAIN BARS SHALL BE PLACED OVER LAPPED AT ANY SECTION OF COLUMN OR BEAMS.
 - DEVELOPMENT LENGTH, LAP LENGTH, ANCHORAGE LENGTH (LD) FOR REINFORCEMENT BARS SHALL BE 50 TIMES DIAMETER OF BARS AT TENSION ZONES & 40 TIMES DIAMETER OF BARS AT COMPRESSION ZONES.
 - LAP SHALL BE STAGGERED AND AVOIDED AT THE POINTS OF MAXIMUM BENDING
 - NOT MORE THAN 50% OF BARS SHALL BE SPLICED AT ONE SECTION IN COLUMN AND BEAMS.
 - LAP SPLICED SHALL BE IN CENTRAL HALF OF COLUMN LENGTH AND SHALL PROPORTIONED AS TENSION SPLICE.
 - IN COLUMN REINFORCEMENT, LONGER DIAMETER REINFORCEMENT BAR SHALL BE PLACED AT CORNER WHENEVER TWO DIFFERENT DIAMETER OF BAR ARE USED.
 - SLAB SHALL BE CAST MONOLITHICALLY WITH BEAM UNLESS SPECIFIED.
 - ALL REINFORCEMENT ARRANGEMENT CONFORM TO SP 34: 1987
 - USE R.C.C. IN A RATIO OF 1:3:6
 - USE 100 MM THK P.C.C IN THE BEAM BOTTOM.
 - HIGHER SIDE DIA. SHALL BE USED AS SPACER BAR WHENEVER REQUIRED.
 - ALL WORKS ARE TO BE CARRIED OUT AS PER TECHNICAL SPECIFICATIONS, NIT STIPULATION & RELEVANT IS CODES.
 - THE NET SAFE BEARING CAPACITY TAKEN 11.3 T/M² ACCORDING TO SOIL INVESTIGATION REPORT PREPARED BY MR. ASIM SARKAR THIS MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING.

PROJECT:-

PROPOSED STRUCTURAL PLAN OF BG+G+6 STORIED COMMERCIAL CUM RESIDENTIAL (APARTMENT) BUILDING OF 1. BLOCK BUSTER UNITED SERVICES PRIVATE LTD., 2. SRI. TUSAR KANTI SINGHA, 3. SRI. RAJESH PRASAD OVER KHATIAN NO. 1221, 1181, 1182, L.R. PLOT NO. 129, L.R. KHATIAN NO. 998, R.S PLOT NO. 200(P) OF MOUZA-KHATPUKUR, J.L. NO. -59, P.S.- KANKSA, DIST - PASCHIM BARDHAMAN.

- HOLDING NO.- 390/N
- I D NO.-3309402868813,
- WARD NO.-28,
- ADDRESS.- ROAD 75, KHATPUKUR, DGP -12

DRAWING TITLE

LAYOUT AND DETAILS OF TYPICAL FLOOR BEAM(1ST TO 6TH) & ROOF BEAM MUMMY ROOM, LIFT MACHINE ROOM.

Wajay Singh
Ar. WAJAY SINGH MAZUMDER
C&A Registered
CA 2023/134278
332302486/8475426106
SIGNATURE OF ARCHITECT

THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT.

Asim Sarkar
ASIM SARKAR
BCE, M.E (SOIL), AMCS
REGISTERED GEO-TECHNICAL ENGINEER
K.M.C. No. : CLASS -12
SIGNATURE OF GEO-TECHNICAL 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 LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

Subhadeep Chakraborty
Subhadeep Chakraborty
BCE (I.U.), MIE
CHARTERED ENGINEER
ESE NO.- 204 (I) of KMC
SIGNATURE OF STRUCTURAL ENGINEER

Gokul Mondal, PhD
Gokul Mondal, PhD
Professor
Department of Construction Engg.
Kolkata University, Kolkata-700
SIGNATURE OF VETTING AUTHORITY

Tusarkanti Singha
Pomal Prasad
Rajesh Prasad
SIGNATURE OF OWNER

DRAWING STATUS:- GOOD FOR CONSTRUCTION

CHECKED BY- SUBHADEEP CHAKRABORTY

DRAWN BY- INDRANIL CHAKRABORTY

DATE: 28.08.2021 SHEET NO. 3 OF 3

REV-0 SHEET SIZE A1

