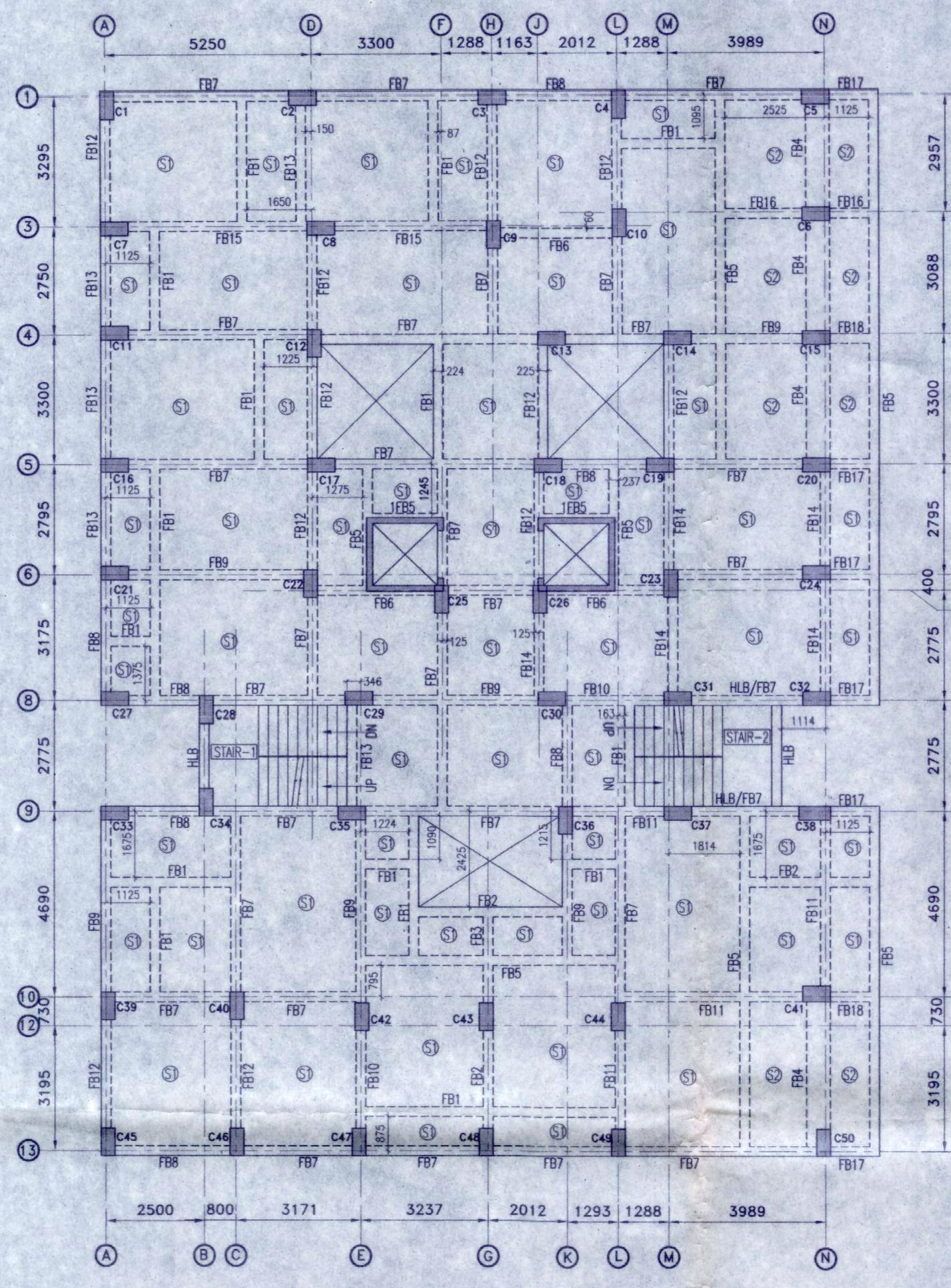
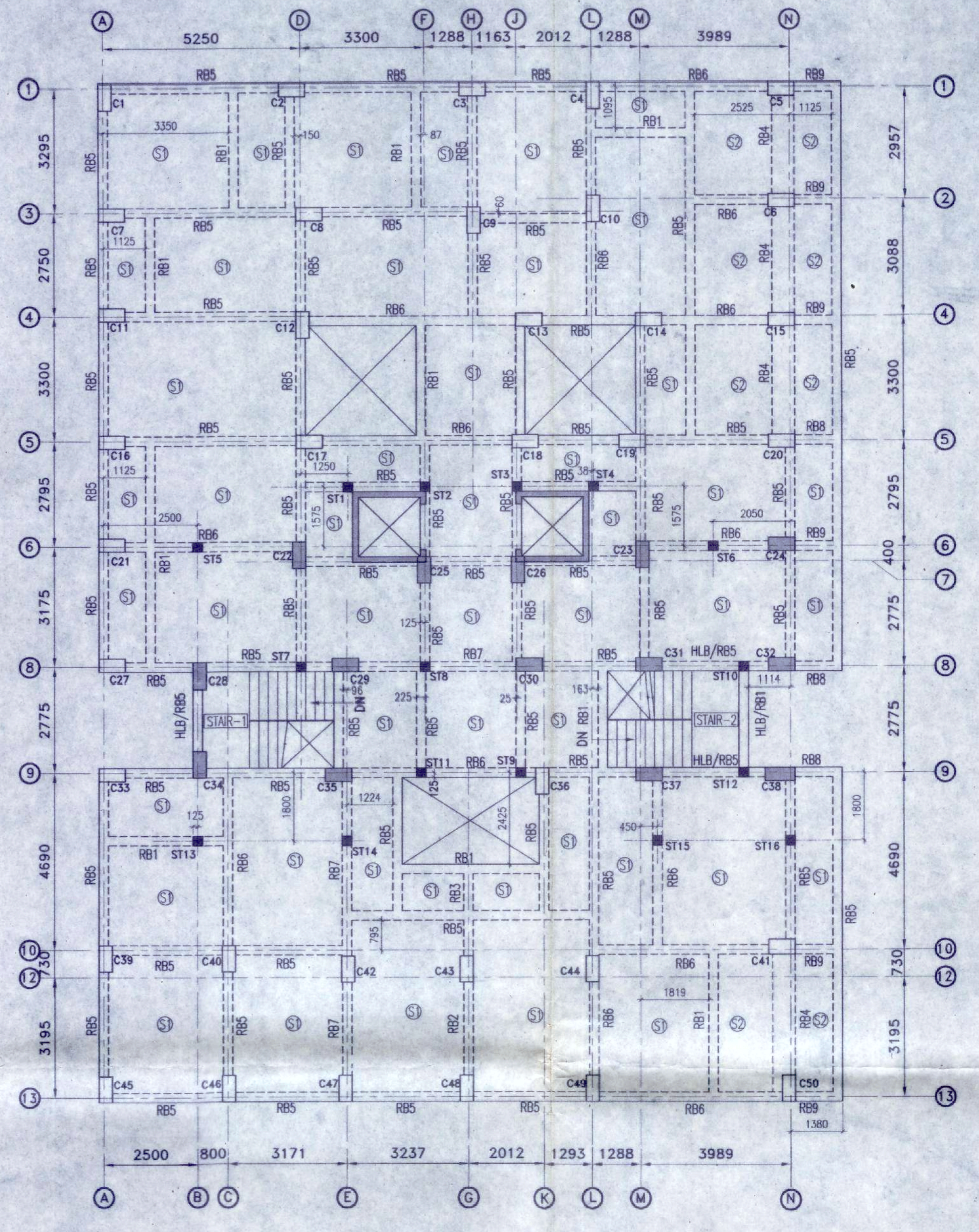
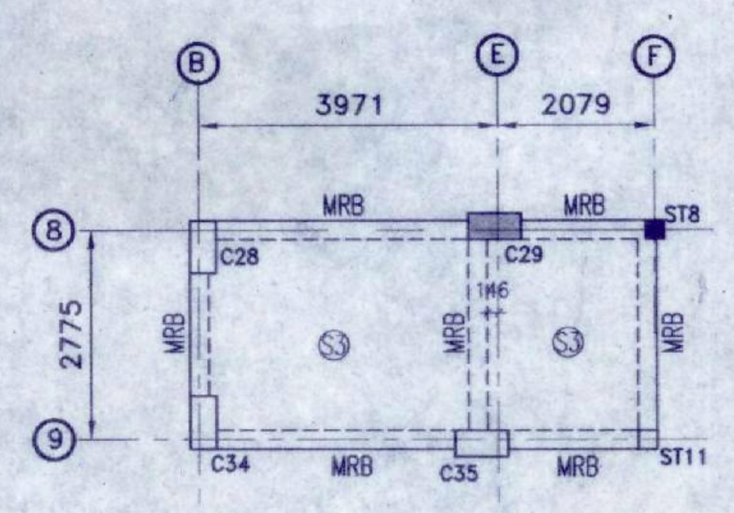


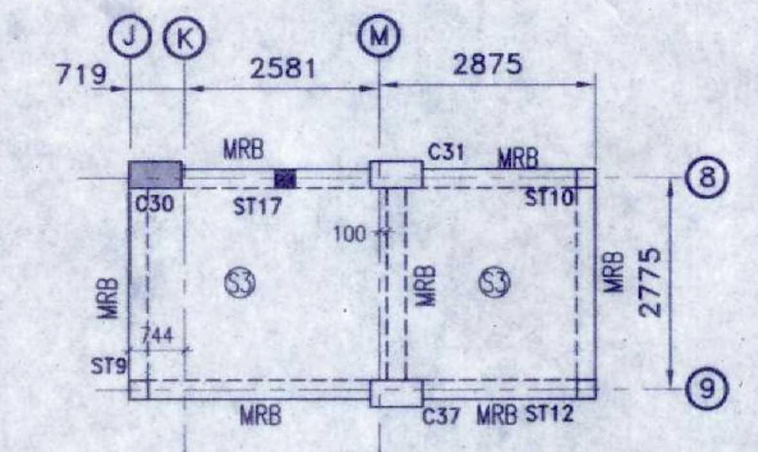
TYPICAL FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVELS (+)5.80m, (+)8.70m,(+)11.60m, (+)14.50m,(+)17.40m,(+)20.30m, (+)23.20m,(+)26.10m,(+)29.0m.
S1 MARKED SLABS ARE 115 mm THICK.
S2 MARKED SLABS ARE 150 mm THICK.
HLB REFERS TO HALF LANDING BEAM.
SCALE 1:100



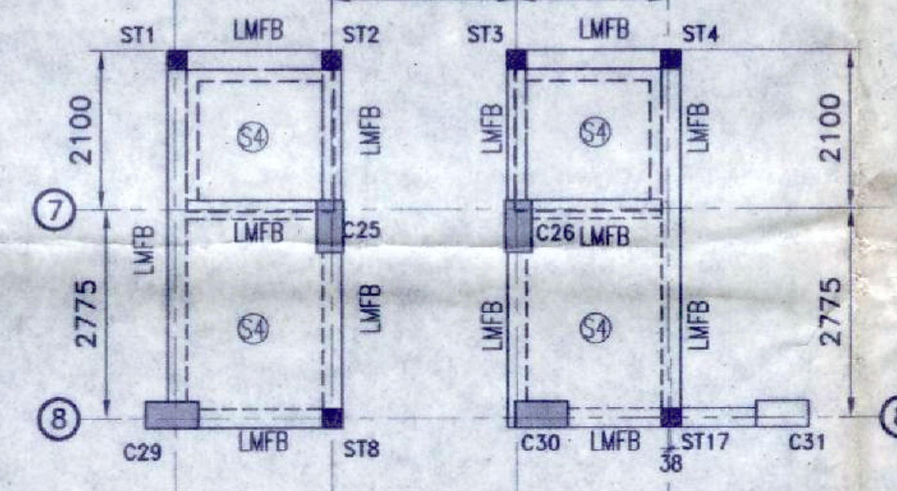
ROOF BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)31.90 m.
S1 MARKED SLABS ARE 115 mm THICK.
S2 MARKED SLABS ARE 150 mm THICK.
HLB REFERS TO HALF LANDING BEAM.
SCALE 1:100



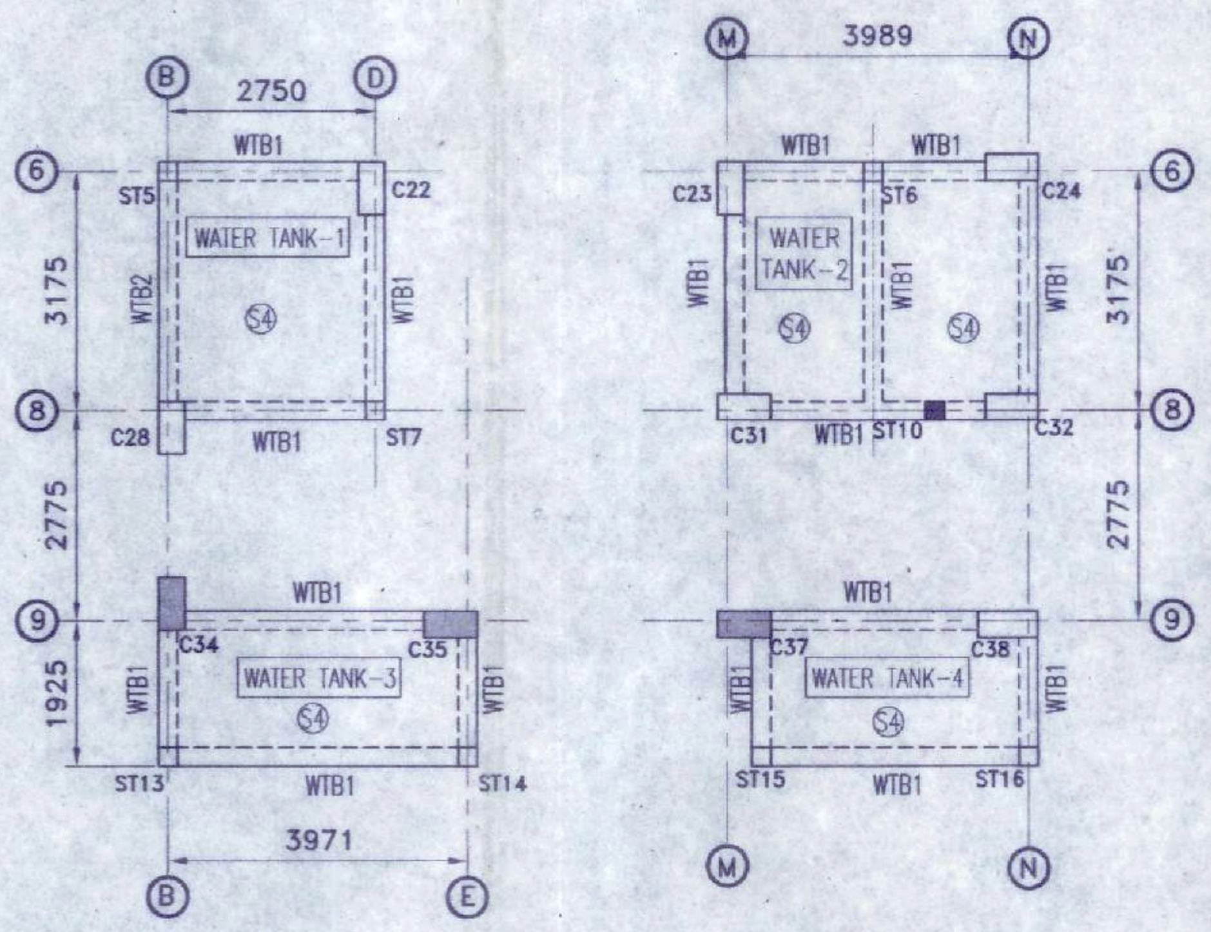
MUMTY-1 BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)34.30 m.
S3 MARKED SLABS ARE 115 mm THICK.
SCALE 1:100



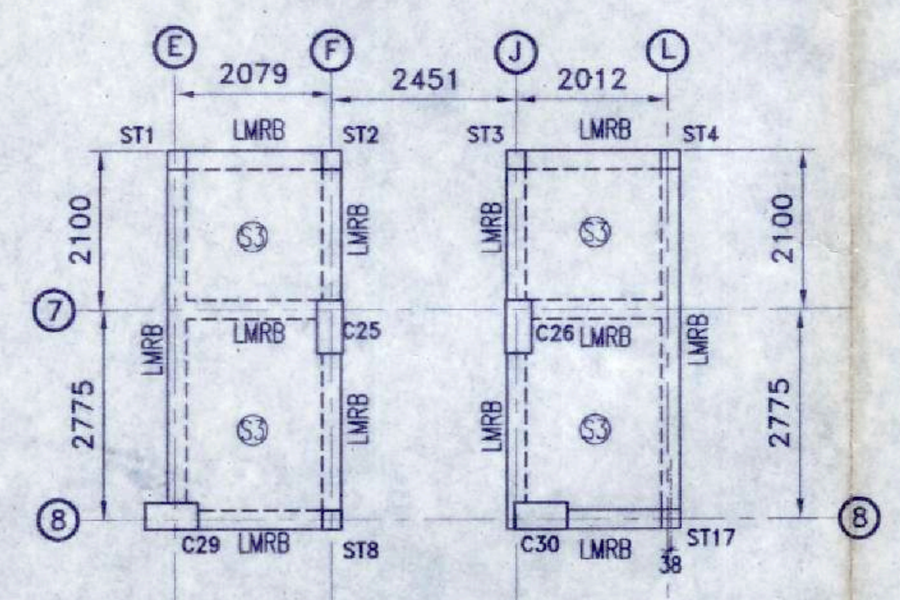
MUMTY-2 BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)34.30 m.
S3 MARKED SLABS ARE 115 mm THICK.
SCALE 1:100



LMR FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)33.65 m.
S4 MARKED SLABS ARE 150 mm THICK.
SCALE 1:100



WATER TANK BEAM AND SLAB LAYOUT PLAN AT LEVEL (+) 32.90m.
WATER TANK CAPACITY– 40,000 LIT.
S4 MARKED SLABS ARE 150 mm THICK.
SCALE 1:100



LMR ROOF BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)36.050 m.
S4 MARKED SLABS ARE 150 mm THICK.
SCALE 1:100

SCHEDULE OF TYPICAL FLOOR BEAMS

BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
FB1	250	400	2-16Φ	–	2-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
FB2	250	400	3-20Φ	2-20Φ	3-20Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB3	250	400	3-20Φ +2-20Φ	–	3-20Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
FB4	600	150	6-16Φ	–	6-16Φ	–	4L-8 Φ@100 C/C	4L-8 Φ@150 C/C
FB5	250	450	3-16Φ	–	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB6	250	450	3-20Φ	–	3-20Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB7	250	450	3-20Φ	3-12Φ	3-20Φ	2-12Φ	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB8	250	450	3-20Φ	2-16Φ	3-20Φ +2-12Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB9	250	450	3-20Φ	2-20Φ	3-20Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB10	250	450	3-20Φ	2-20Φ	3-20Φ +3-12Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB11	250	450	3-20Φ	3-20Φ	3-20Φ +2-12Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB12	250	450	3-20Φ +2-20Φ	–	3-20Φ +2-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB13	250	450	3-20Φ +2-16Φ	–	3-20Φ +2-12Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB14	250	450	3-20Φ +3-20Φ	–	3-20Φ +2-20Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB15	250	450	3-16Φ	3-16Φ	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB16	250	450	3-16Φ +3-16Φ	–	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
FB17	250	450	3-20Φ +3-12Φ	–	3-20Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
FB18	250	450	3-20Φ +2-20Φ	–	3-20Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
HLB1	250	400	3-16Φ	–	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
HLB2	250	450	3-20Φ	2-16Φ	3-20Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
HLB3	250	450	3-20Φ +3-20Φ	–	3-20Φ +3-16Φ	–	2L-10 Φ@100 C/C	2L-10 Φ@150 C/C

SCHEDULE OF ROOF BEAMS

BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
RB1	250	400	2-16Φ	–	2-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB2	250	400	3-16Φ	2-16Φ	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB3	250	400	3-16Φ +2-16Φ	–	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
RB4	600	150	6-16Φ	–	6-16Φ	–	4L-8 Φ@100 C/C	4L-8 Φ@150 C/C
RB5	250	450	3-16Φ	–	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
RB6	250	450	3-16Φ	3-12Φ	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB7	250	450	3-16Φ	3-16Φ	3-16Φ	2-16Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB8	250	450	3-16Φ	–	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
RB9	250	450	3-16Φ +3-12Φ	–	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
HLB1	250	400	3-16Φ	–	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
HLB2	250	450	3-20Φ	2-16Φ	3-20Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
HLB3	250	450	3-20Φ +3-20Φ	–	3-20Φ +3-16Φ	–	2L-10 Φ@100 C/C	2L-10 Φ@150 C/C

SCHEDULE OF ABOVE ROOF BEAMS

BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
LMFB	250	450	3-16Φ	–	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
LMRB	250	400	2-16Φ +1-12Φ	–	2-16Φ +1-12Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
MRB	250	400	2-16Φ +1-12Φ	–	2-16Φ +1-12Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
WTB1	250	450	3-16Φ	–	3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
WTB2	250	450	3-16Φ	3-16Φ	2-16Φ +3-16Φ	–	2L-8 Φ@100 C/C	2L-8 Φ@200 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.

NOTES :

1. UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
2. 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).
3. ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500D CONFORMING TO IS-1786-2008.
5. UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 50xBAR DIA.
6. 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
7. GRADE OF CONCRETE FOR SUPERSTRUCTURE UPTO AND INCLUDING 4TH FLOOR WILL BE M30, ABOVE THAT WILL BE M25 AS PER IS:456:2000.
8. VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
9 DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
10. 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.
11. WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDE.

TITLE (BLOCK-3)

STRUCTURAL DRAWING OF PROPOSED G+10 STORIED (BLOCK -3) APARTMENT BUILDING OF 'SAMPRITHI HEALTHCARE INTERNATIONAL PVT. LTD.' OVER L.R. PLOT NO. - 431, 432, 433, 434 & 437, R.S. PLOT NO. - 433, 434, 435, 437 & 512, KHATIAN NO. - 974, MOUZA - GOPALMATH, J.L. NO- 003, P.S. - DURGAPUR, DIST- PASCHIM BARDHAMAN. HOLDING NO.- N/9, I D NO.- 3309401132148, CIRCLE/ WARD NO.- 35, ADDRESS. - G.T. ROAD , GOPALMATH, DGP - 17

SIGNATURE OF OWNER

SAMPRITHI HEALTHCARE INTERNATIONAL PVT. LTD.
Falguni Chatt
Authorised Signatory

SIGNATURE OF ARCHITECT

Vijaya Singh
Ar. VIJAYA SINGH MAZUMDER
COA REGISTERED
CA/2021/134276

Ar. VIJAYA SINGH MAZUMDER
COA Registered
CA/2021/134276
9332802166 / 9476426106

SIGNATURE OF GEOTECHNICAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER

20/5/22
SUSMITA CHOUDHURY
B.TECH (CIVIL) - WBUT
ME (CONSTRUCTION) - JU
ESE-I/RJPSON/130
ESE-II/KMC/664
STER/NKDA/21/00010
CVER/NKDA/10/00175
(M)- 8697517321/7003201735

SIGNATURE OF THE VETTING AUTHORITY

CHECKED & VETTED
DR. DIPANKAR CHAKRAVORTY
STRUCTURAL ENGINEERING DIVISION
PROFESSOR & FORMER HEAD
CIVIL ENGINEERING DEPARTMENT
JADAVPUR UNIVERSITY
B.E (J.U.) GOLD MEDALIST
M.TECH (IITKGP) GOLD MEDALIST
PH.D (IIT KGP)
(OFF) 033-2457 2589
(M) 9830188502 & 9433993143
EMAIL : Prof.dipankar@gmail.com

STRUCTURAL CONSULTANT:

STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY APARTMENT,
GROUND FLOOR,
968, KALIKAPUR ROAD,
KOLKATA- 700 099,
EMAIL- structconenterprise@gmail.com

DRAWING TITLE

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

SCALE.-1:100 OR AS SHOWN
DATE.-18.05.2022
SHEET NO. - 4 OF 5 | SHEET SIZE. - A1