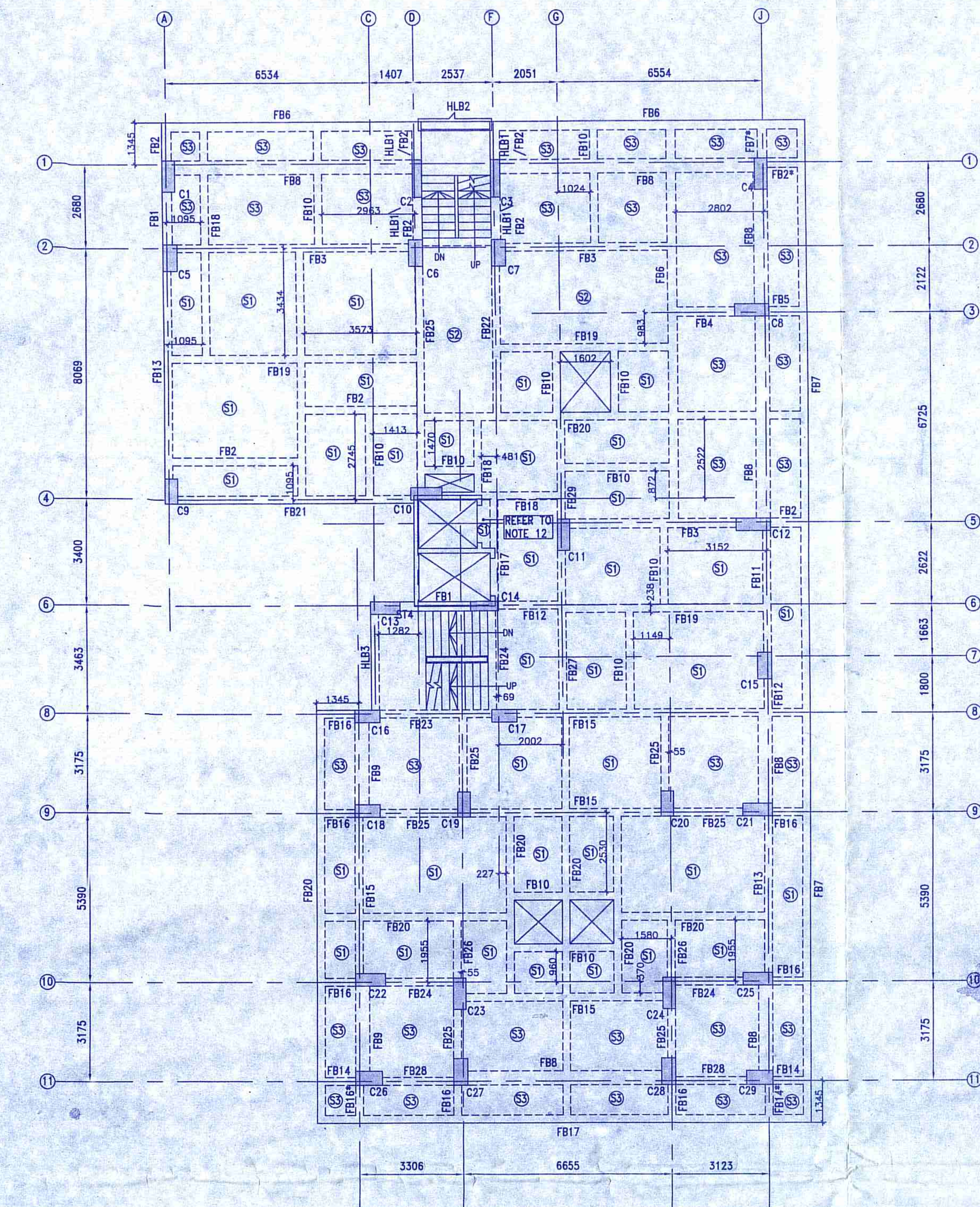
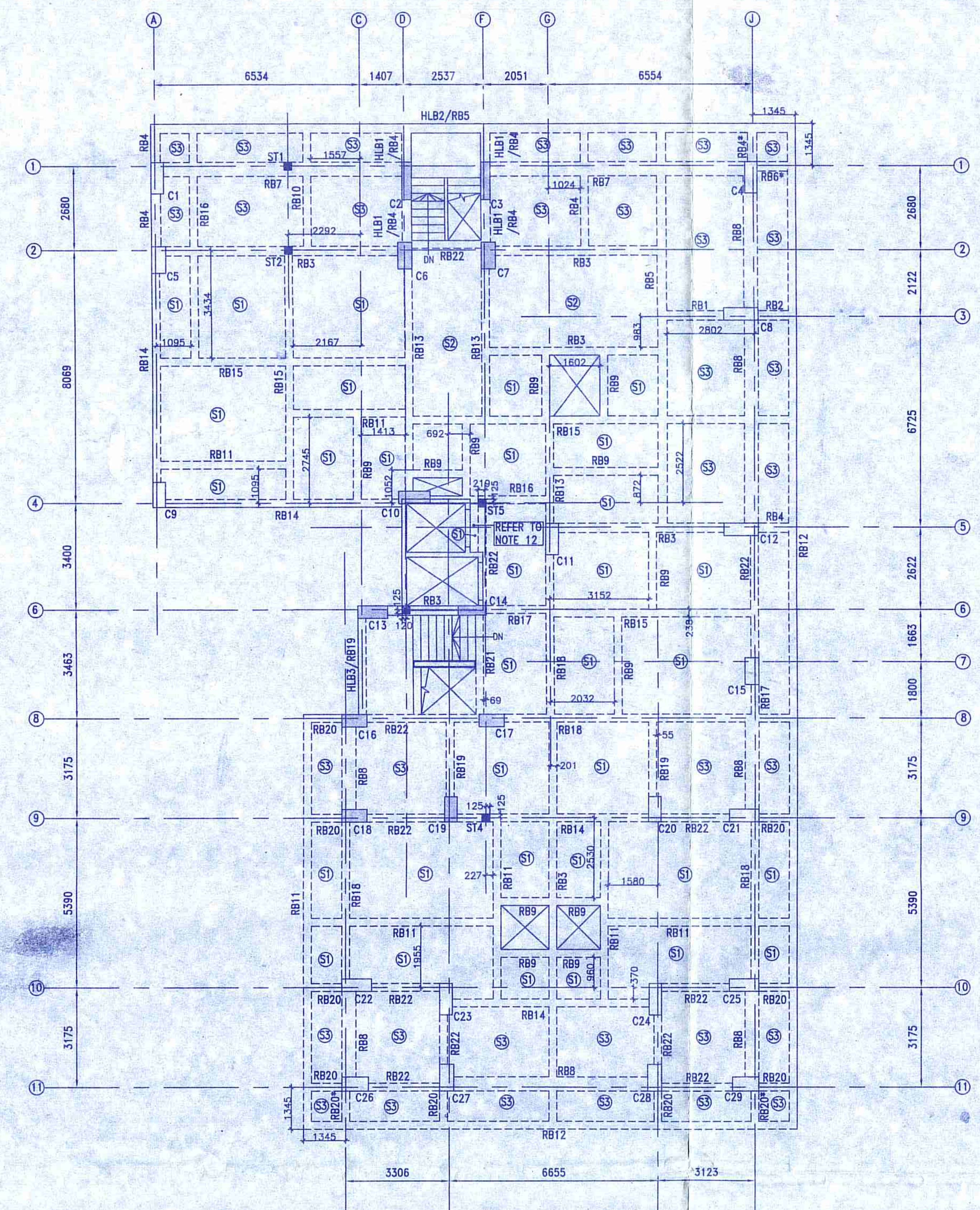
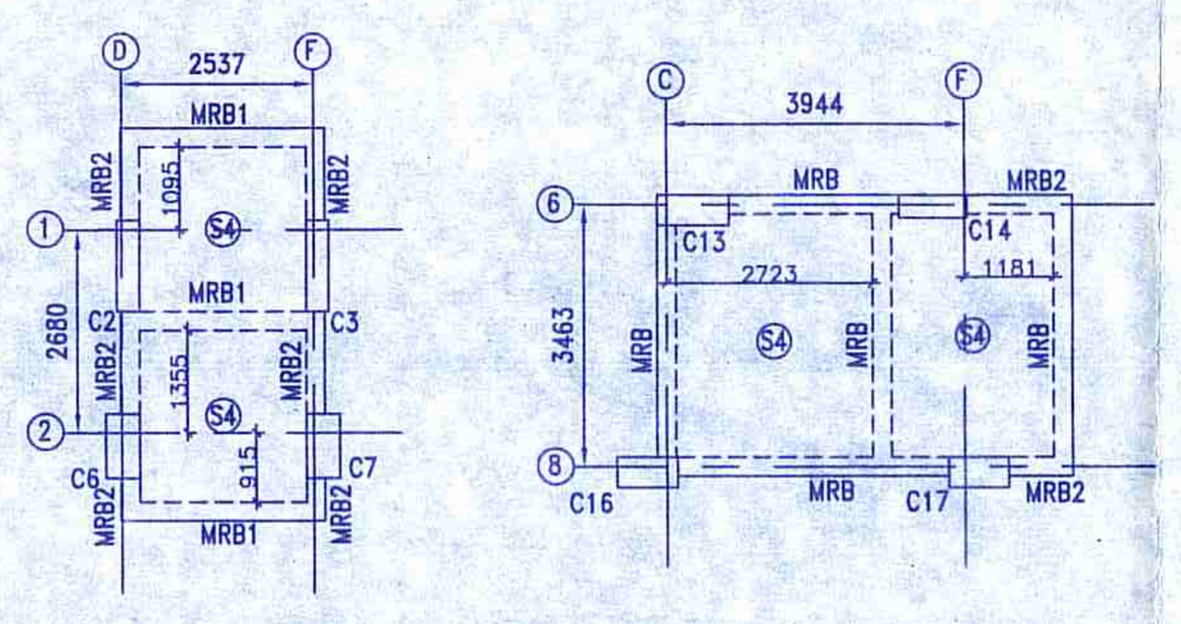


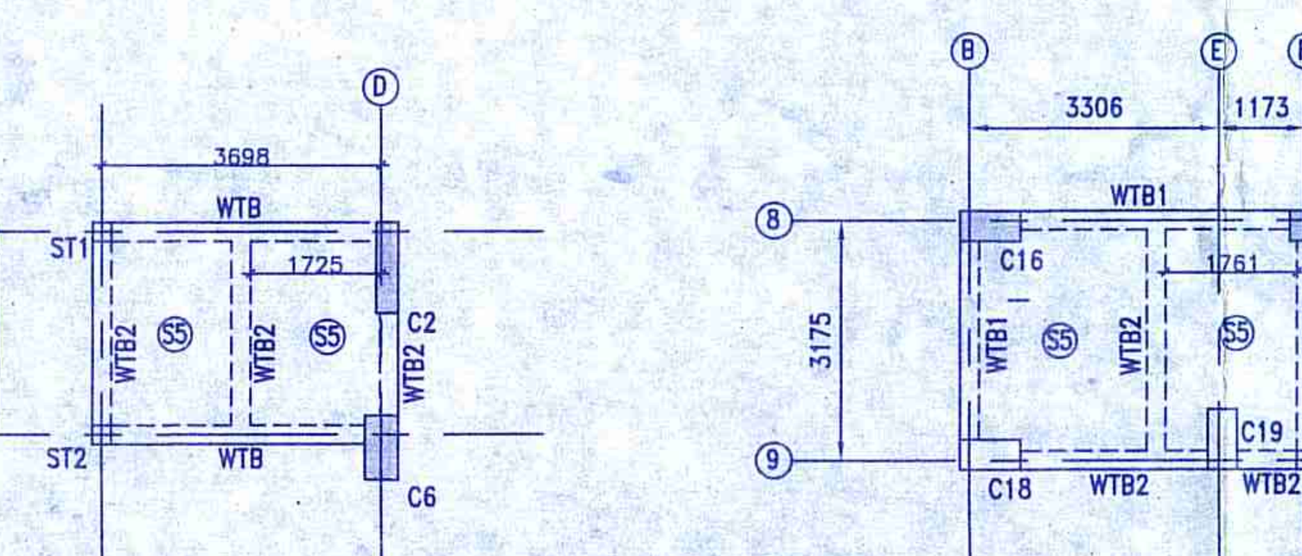
TYPICAL FLOOR BEAM AND SLAB LAYOUT PLAN
AT LEVELS(+)5.8m.,(+)8.7m.,(+)11.6m.,(+)14.5m.,(+)17.4m.,(+)20.3m.,
(+)23.2m.,(+)26.1m.,(+)29.0m.,(+)31.9m.,(+)34.8m.,(+)37.7m.
S1 MARKED SLABS ARE 115 mm. THICK.
S2 MARKED SLABS ARE 125 mm. THICK.
S3 MARKED SLABS ARE 150 mm. THICK.
FOR '*' MARKED BEAMS REFER DETAIL-1.
HLB REFERS TO HALF LANDING BEAM.
SCALE-1:100



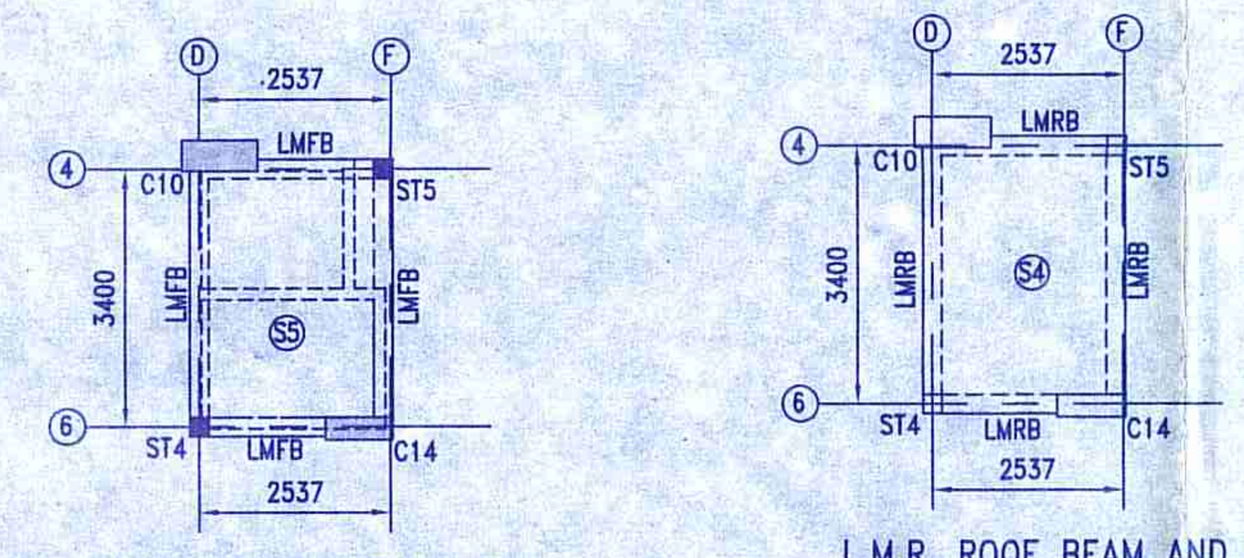
ROOF BEAM & SLAB LAYOUT PLAN AT LEVEL (+)40.6m.
S1 MARKED SLABS ARE 115 mm THICK.
S2 MARKED SLABS ARE 125 mm THICK.
S3 MARKED SLABS ARE 150 mm THICK.
FOR "*" MARKED BEAM REFER DETAIL -1.
HLB REFERS TO HALF LANDING BEAM.
SCALE 1:100



MUMTY BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)43m.
S4 MARKED SLABS ARE 115 mm. THICK.
SCALE-1:100



WATER TANK BEAM AND
SLAB LAYOUT PLAN
AT LEVEL (+)41.6m.
WATER TANK CAPACITY- 10,000LIT.
S5 MARKED SLABS ARE 150 mm THICK.
SCALE 1:100



L.M.R. FLOOR BEAM AND
SLAB LAYOUT PLAN
AT LEVEL (+)42.35m
S5 MARKED SLABS ARE 150 mm THICK.
SCALE- 1:100

L.M.R. ROOF BEAM AND
SLAB LAYOUT PLAN
AT LEVEL (+)44.75m
S4 MARKED SLABS ARE 115 mm THICK.
SCALE- 1:100

SCHEDULE OF S1, S2 & S3 MARKED SLABS (GROUND,FIRST,TYPICAL FLOORS & ROOF SLABS THICKNESS-115mm.,125mm. & 150mm.)

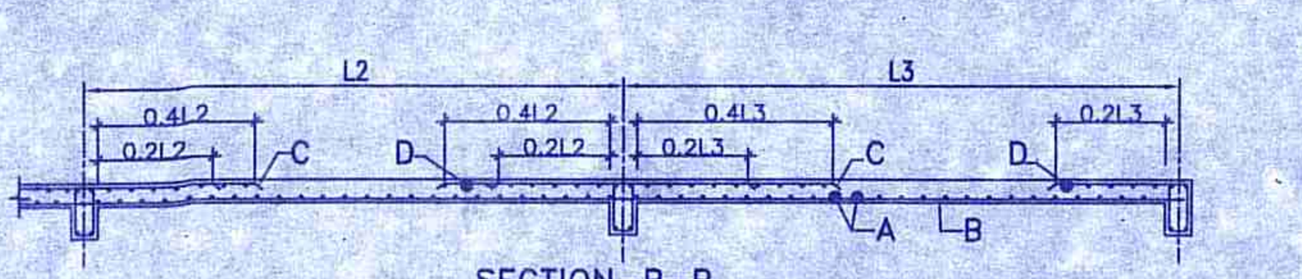
BAR MKD.	REINFORCEMENT	POSITION
A	8ø @ 150 mm C/C (ALL THROUGH)	BOT.
B	8ø @ 150 mm C/C (ALL THROUGH)	BOT.
X	8ø @ 150 mm C/C (ALL THROUGH)	BOT.
Y	8ø @ 150 mm C/C (ALL THROUGH)	BOT.
C	8ø @ 150mm C/C (CURTAILMENT)	TOP
D(BINDER)	8ø @ 200 mm C/C (WHEREVER REQUIRED)	TOP

SCHEDULE OF S5 MARKED SLABS (LMR FLOOR & WATER TANK SLAB THICKNESS-150mm.)

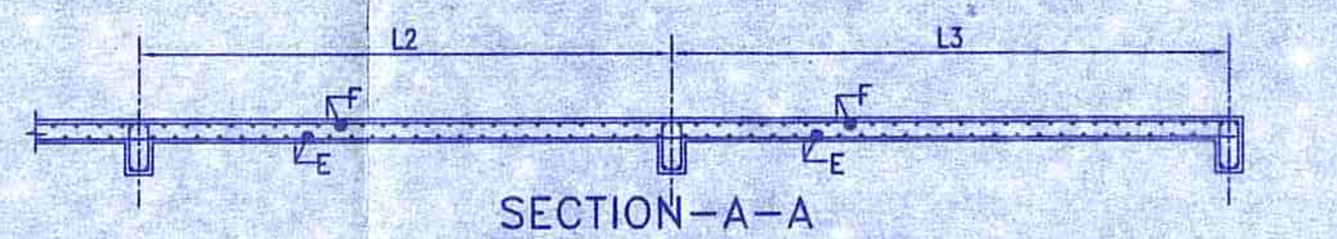
BAR MKD.	REINFORCEMENT	POSITION
E	10T @ 200 mm C/C (ALL THROUGH)	BOT.
F	10T @ 200 mm C/C (ALL THROUGH)	TOP

SCHEDULE OF S4 MARKED SLABS (MUMTY & LMR ROOF SLAB THICKNESS-115mm.)

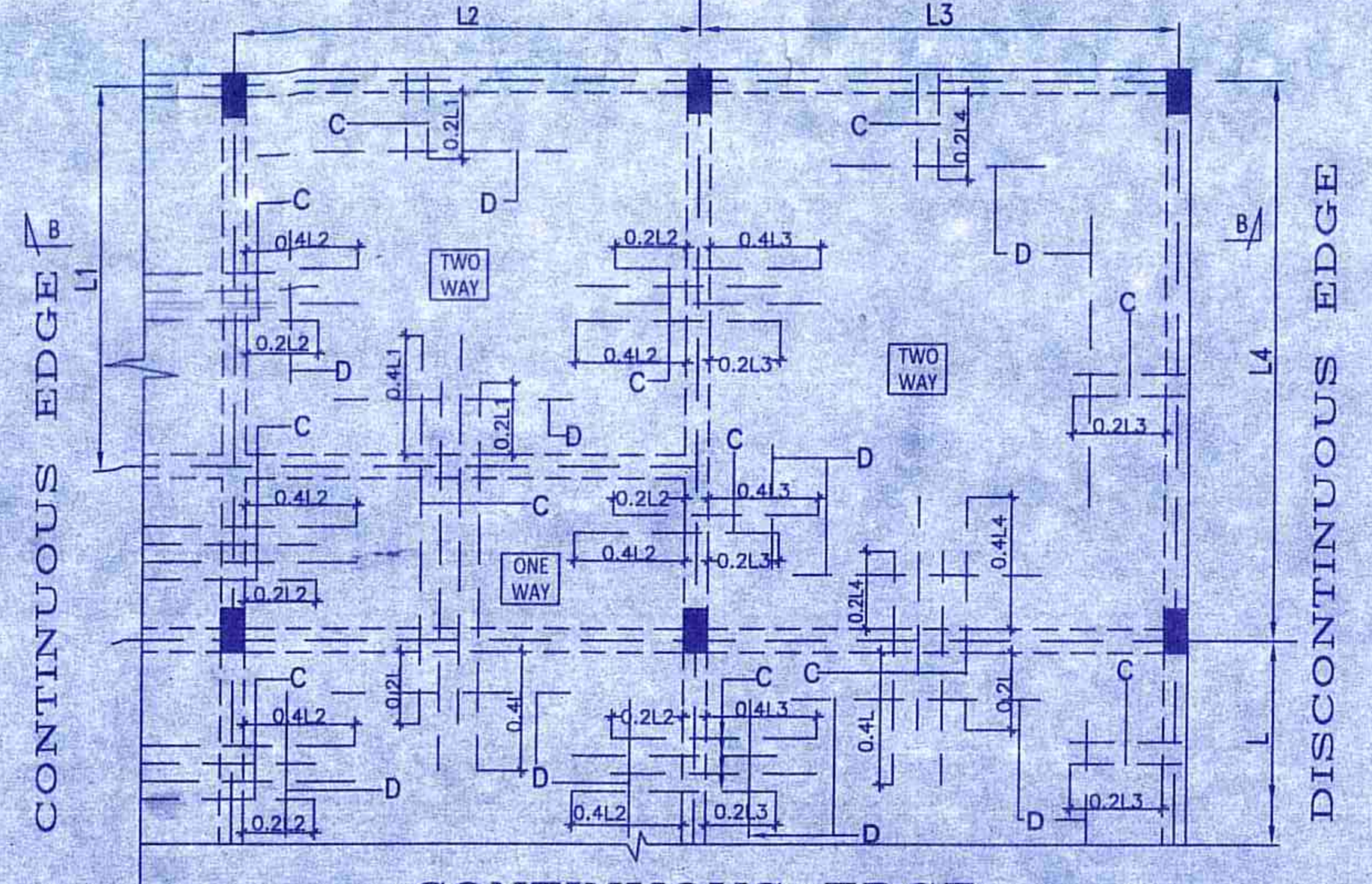
BAR MKD.	REINFORCEMENT	POSITION
E	8T @ 150 mm C/C (ALL THROUGH)	BOT.
F	8T @ 150 mm C/C (ALL THROUGH)	TOP



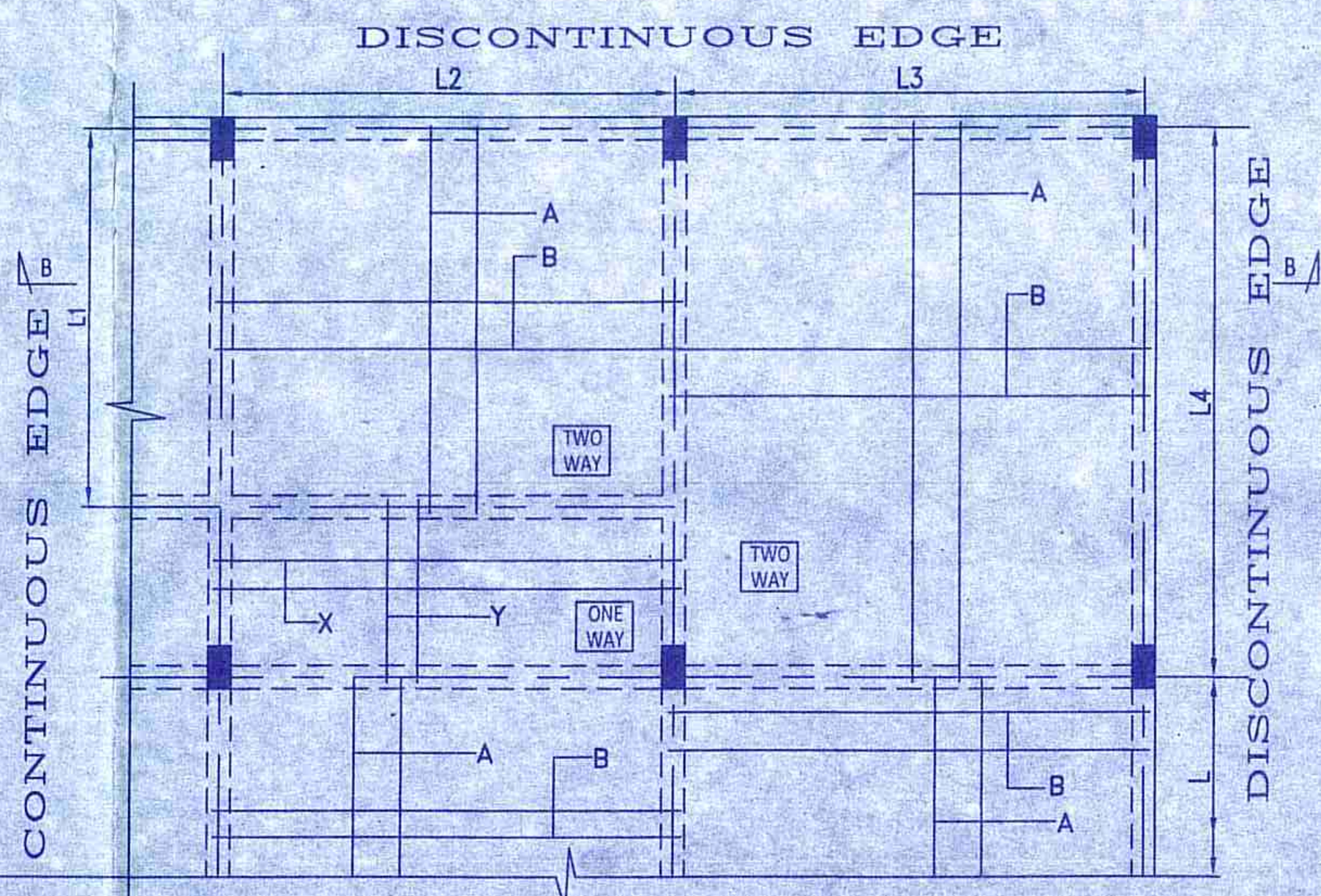
SECTION-B-B
(SCALE-N.T.S.)



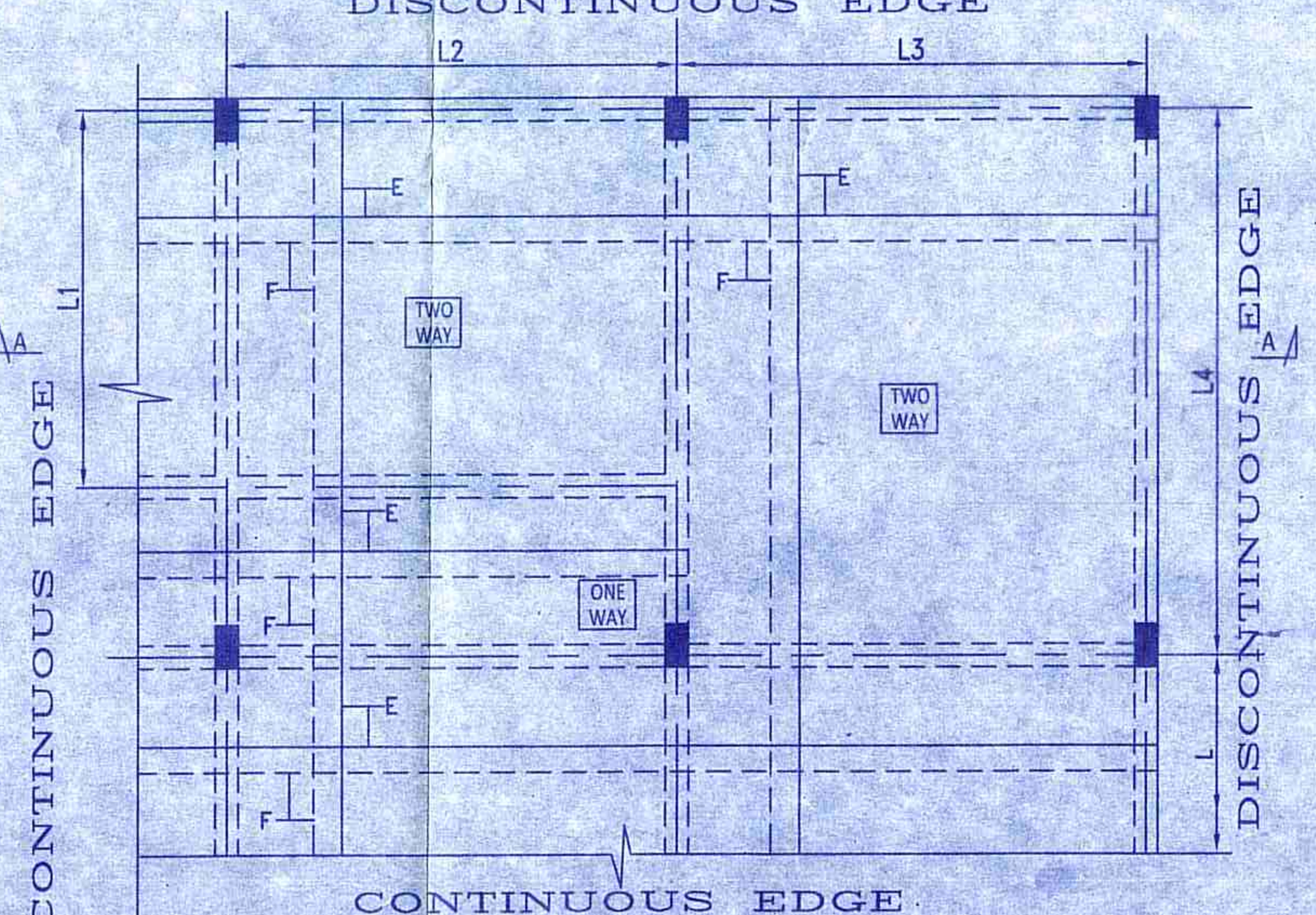
SECTION-A-A
(SCALE-N.T.S.)



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP)
(SLAB MARKED S1,S2,&S3)
(SCALE-N.T.S.)



TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
(SLAB MARKED S1, S2 & S3)
(SCALE - N.T.S.)



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP & BOTTOM)
(SLAB MARKED S4 & S5)
(SCALE-N.T.S.)

SCHEDULE OF ROOF 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)
RB1	300	650	4-25 Φ	4-25 Φ	4-25 Φ	-	4L-8 Φ@100 C/C	4L-8 Φ@200 C/C
RB2	300	650	4-25 Φ	-	4-25 Φ	-	4L-8 Φ@100 C/C	4L-8 Φ@100 C/C
RB3	300	650	3-20 Φ	3-25 Φ	3-20 Φ	3-16 Φ	2L-10 Φ@100 C/C	2L-10 Φ@200 C/C
RB4	300	650	3-20 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
RB5	300	650	3-20 Φ +3-16 Φ	-	3-20 Φ +3-16 Φ	3-12 Φ	4L-8 Φ@100 C/C	4L-8 Φ@200 C/C
RB6	300	650	3-25 Φ		3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
RB7	450	250	4-25 Φ	-	4-20 Φ	-	4L-8 Φ@100 C/C	4L-8 Φ@150 C/C
RB8	450	250	5-20 Φ	-	5-20 Φ	-	4L-8 Φ@100 C/C	4L-8 Φ@150 C/C
RB9	250	400	2-12 Φ +1-16 Φ	-	2-12 Φ +1-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
RB10	250	400	2-12 Φ +1-16 Φ	-	2-12 Φ +1-16 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB11	250	550	3-16 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB12	250	550	3-16 Φ +3-12 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB13	250	550	3-20 Φ	3-25 Φ	3-20 Φ +3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
RB14	250	550	3-20 Φ	3-25 Φ	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB15	250	550	3-16 Φ	-	3-16 Φ	3-20 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB16	250	550	3-16 Φ +3-20 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB17	250	550	3-20 Φ +3-25 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
RB18	250	550	3-20 Φ	3-16 Φ	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB19	250	550	3-20 Φ	3-16 Φ	3-20 Φ +3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB20	250	550	3-20 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
RB21	250	550	3-20 Φ	3-20 Φ	3-20 Φ +3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
RB22	250	550	3-20 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
HLB1	250	450	3-16 Φ +3-16 Φ	-	3-16 Φ +3-20 Φ	-	2L-10 Φ@100 C/C	2L-10 Φ@100 C/C
HLB2	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
HLB3	250	450	3-25 Φ +3-25 Φ	-	3-25 Φ +3-20 Φ	-	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)
WTB1	250	450	3-20 Φ	2-16 Φ	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
WTB2	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
LMFB	250	400	2-16 Φ +1-12 Φ	-	2-16 Φ +1-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
MRB1	250	400	2-12 Φ +1-16 Φ	-	2-12 Φ +1-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
MRB2	250	400	2-12 Φ +1-16 Φ	-	2-12 Φ +1-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
LMRB	250	400	3-12 Φ	-	3-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C

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
   COLUMNS - M40
   BEAMS UPTO AND INCLUDING 6TH FLOOR - M35
   AND ABOVE 6TH FLOOR- M30
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.
12. 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 B+G+13 STORIED RESIDENTIAL APARTMENT BUILDING OF SRI ANATH BANDHU MAJI, SRI SUMAN RABABI, SMT SABITA RABABI, SRI GOUTAM KUMAR MUKHERJEE, SRI SAMIR CHATTERJEE, DEVELOPED BY - "BIJOY DEVELOPER" PROPREITOR - GOUR SUNDAR PAUL, L.R. PLOT NO. - 379,388. KHATIAN NO.- 1205, 2871, 2870, 803, 1031. MOUZA - SANKARPUR, J.L. NO- 109, P.S. - NEW TOWNSHIP, DIST- PASCHIM BARDHAMAN.

SIGNATURE OF OWNER

Goutam Kumar Mukherjee
Anath Bandhu Maji
Samir Chatterjee
Sabita Rababi

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

Ar. VIJAYA SINGH MAZUMDER
COA Registered
CA/2021/134276
9332802166 / 9476426106
14/4/23

SIGNATURE OF GEO-TECHNICAL ENGINEER

ASIM SARKAR
BCE, ME (SOIL), M.TECH (STRUCTURE), MIGS MIE
EMPANELLED GEOTECHNICAL ENGINEER
K.M.C. No.: CLASS-1/2

SIGNATURE OF PANCHAYET PRADHAN

Approved Plan No.
Valid upto

SIGNATURE OF STRUCTURAL ENGINEER

SUSMITA CHOUDHURY

SIGNATURE OF 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)
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DRAWING TITLE

1. TYPICAL,ROOF & ABOVE ROOF FLOOR BEAM AND SLAB LAYOUT PLAN WITH REINF. DETAILS.
2. DETAILS OF SLAB.

SCALE.-1:100 OR AS SHOWN
DATE.- 06.04.2023
SHEET NO.- 4 OF 4 | SHEET SIZE- A0