

SCHEDULE OF COLUMN (Fe-500, M=30)

GROUP MKD.	COLUMN MKD.	SIZE OF COLUMN WITH REINFORCEMENTS (MAIN BAR & LINKS)	C/S OF COLUMN	LINKS DETAILS
I	C1,C2,C3,C4,C5,C6,C9,C10,C15,C16,C18,C20,C21,C22,C23,C25,C27,C28,C30,C34,C37,C40,C41,C42,C43,C44 (26 NOS.)	SIZE : (300X450) MAIN BAR: 10-16Ø LINKS: 2L 8 Ø STIRRUPS (2NO)		NEAR JUNCTION (UPTO 10') LENGTH LINKS: 8 @75C/C (2 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 @150C/C (2 NOS. CLOSED LINK PER SET)
II	C7,C8,C11,C12,C13,C14,C19,C26,C31,C32,C33,C35,C36,C38,C39 (15 NOS.)	SIZE : (300X450) MAIN BAR: 12-16Ø LINKS: 2L 8 Ø STIRRUPS (2NO)		NEAR JUNCTION (UPTO 10') LENGTH LINKS: 8 @75C/C (2 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 @150C/C (2 NOS. CLOSED LINK PER SET)
III	C17 (1 NO)	SIZE : (300X450) MAIN BAR: 6-20Ø + 4-16Ø LINKS: 2L 8 Ø STIRRUPS (2NO)		NEAR JUNCTION (UPTO 10') LENGTH LINKS: 8 @75C/C (2 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 @150C/C (2 NOS. CLOSED LINK PER SET)
IV	C24,C29 (2 NOS)	SIZE : (300X700) MAIN BAR: 10-16Ø LINKS: 2L 8 Ø STIRRUPS (2NO)		NEAR JUNCTION (UPTO 10') LENGTH LINKS: 8 @75C/C (2 NOS. CLOSED LINK PER SET) AT REST PORTION LINKS: 8 @150C/C (2 NOS. CLOSED LINK PER SET)

SCHEDULE OF BEAM (Fe-500, M=30)

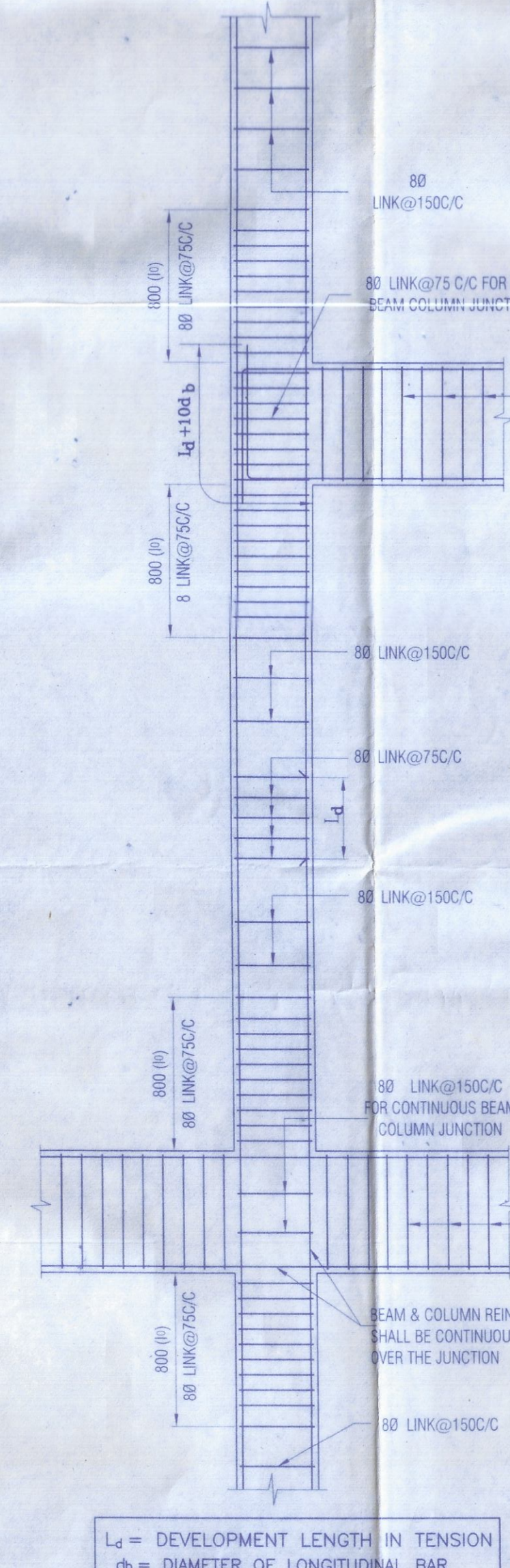
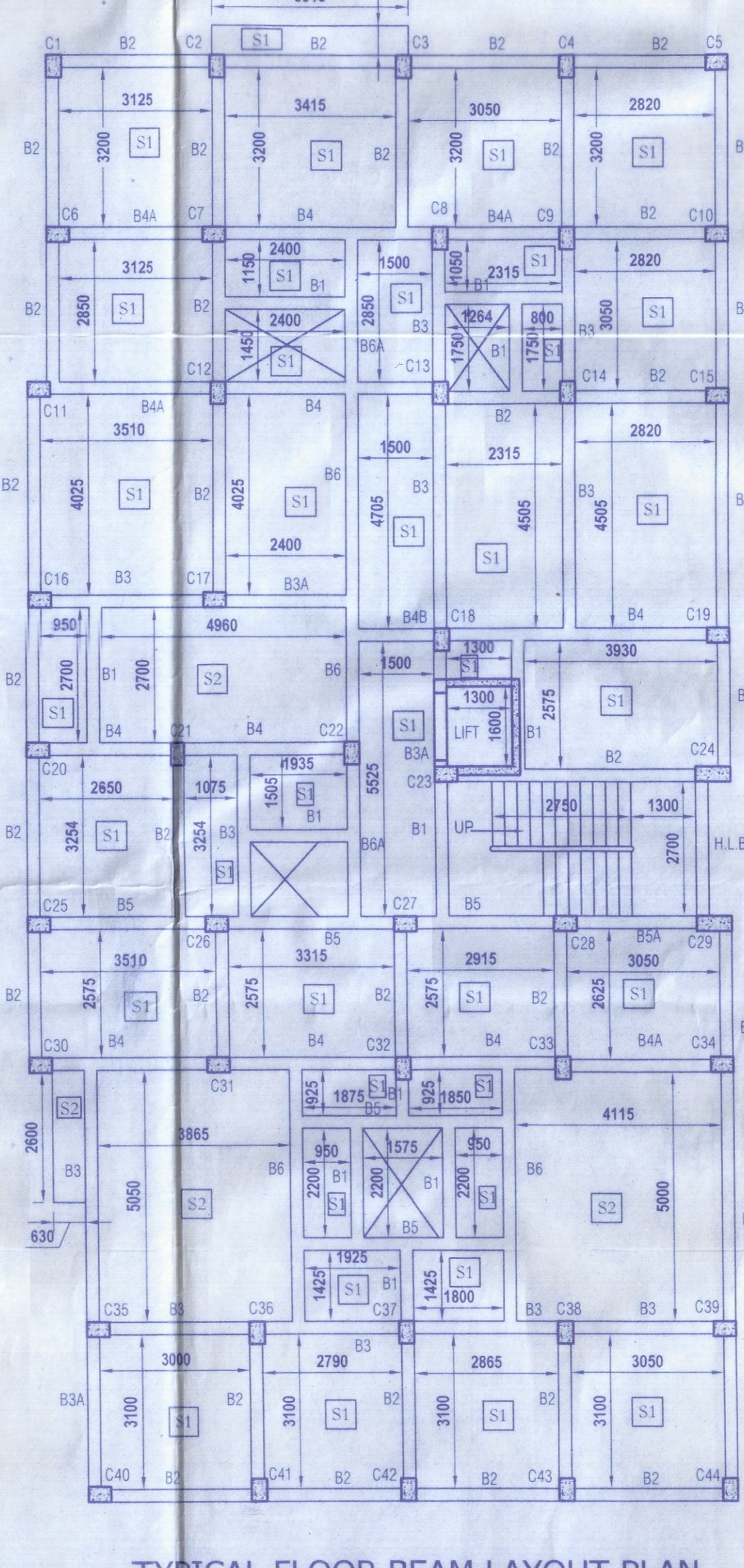
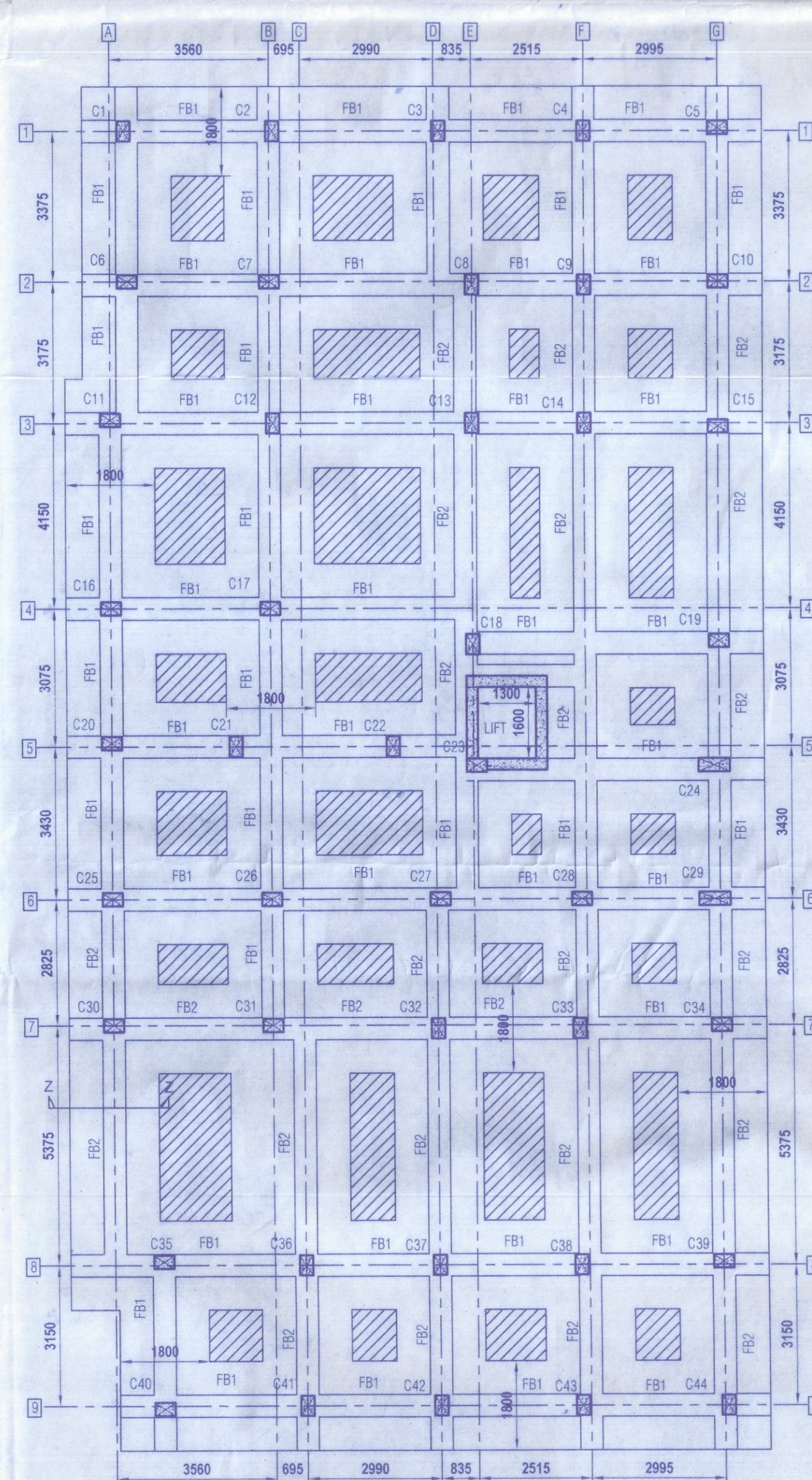
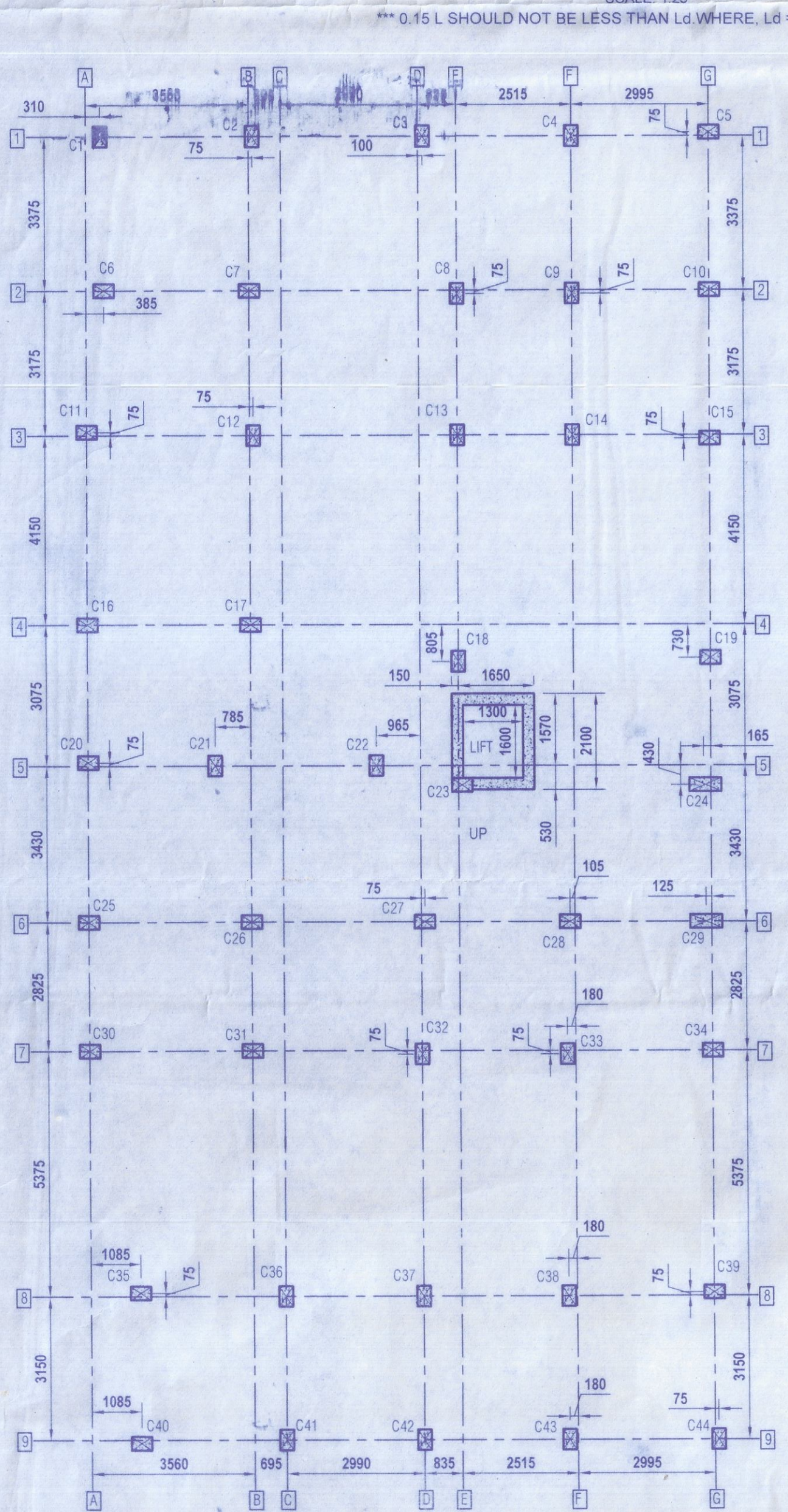
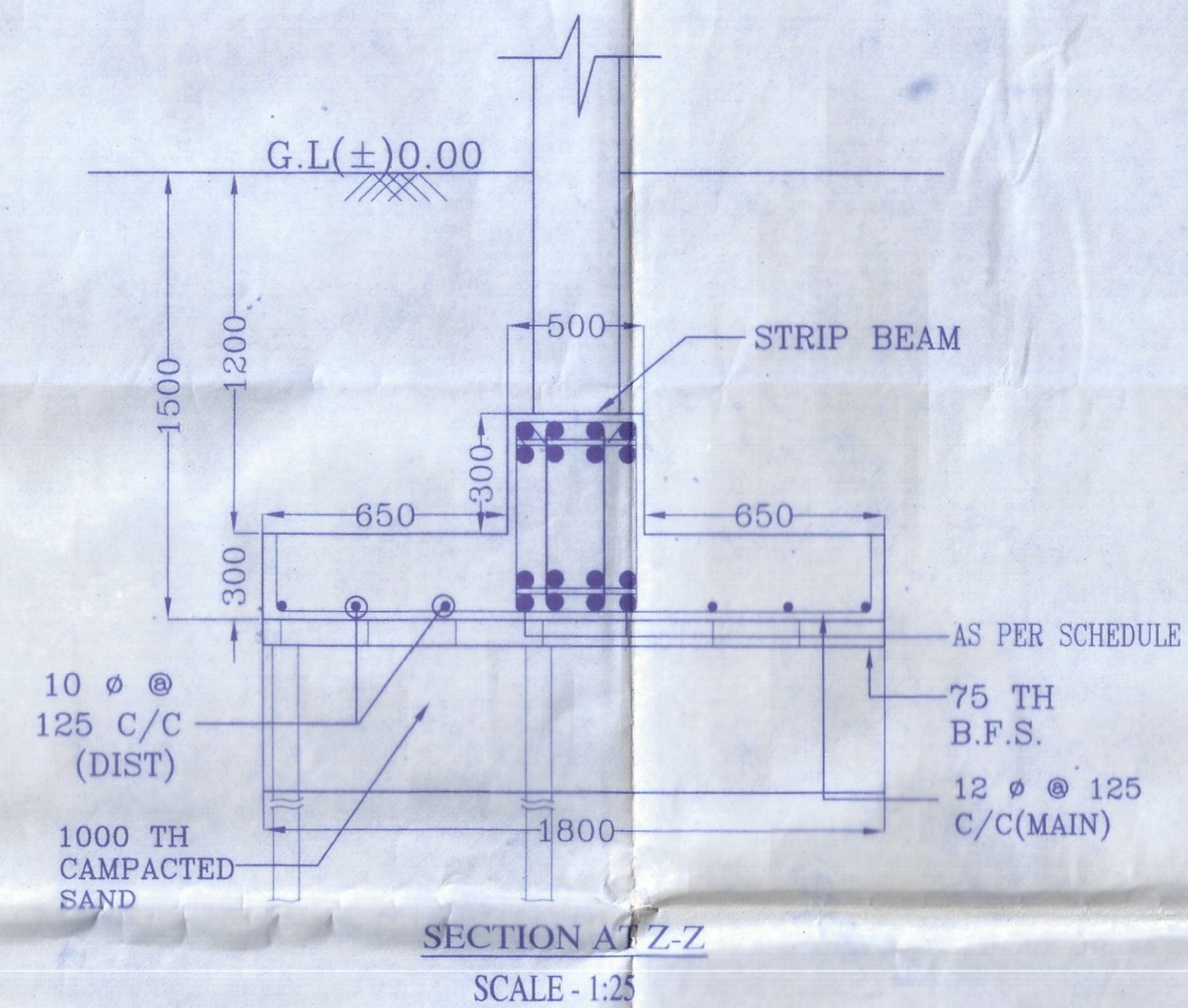
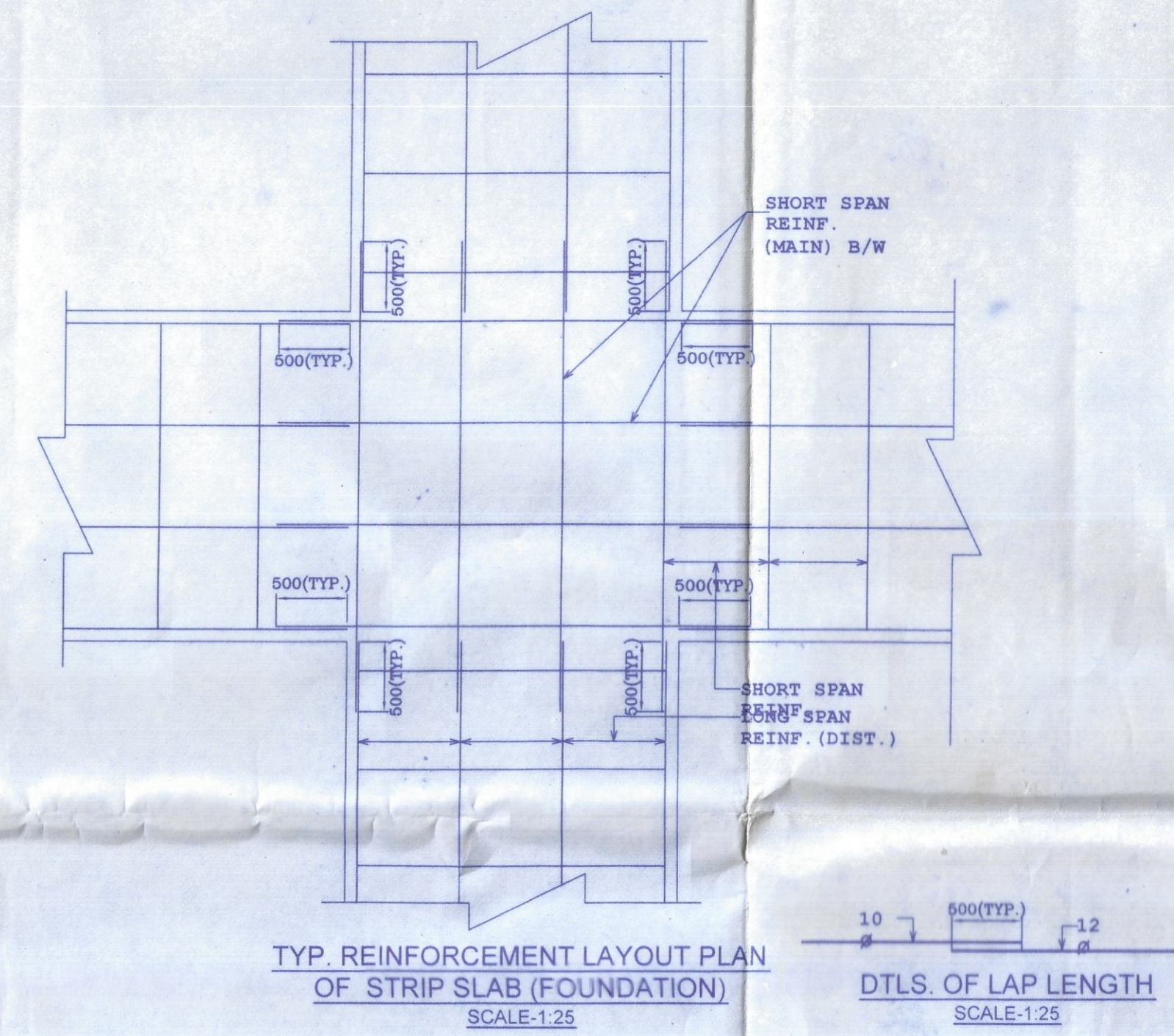
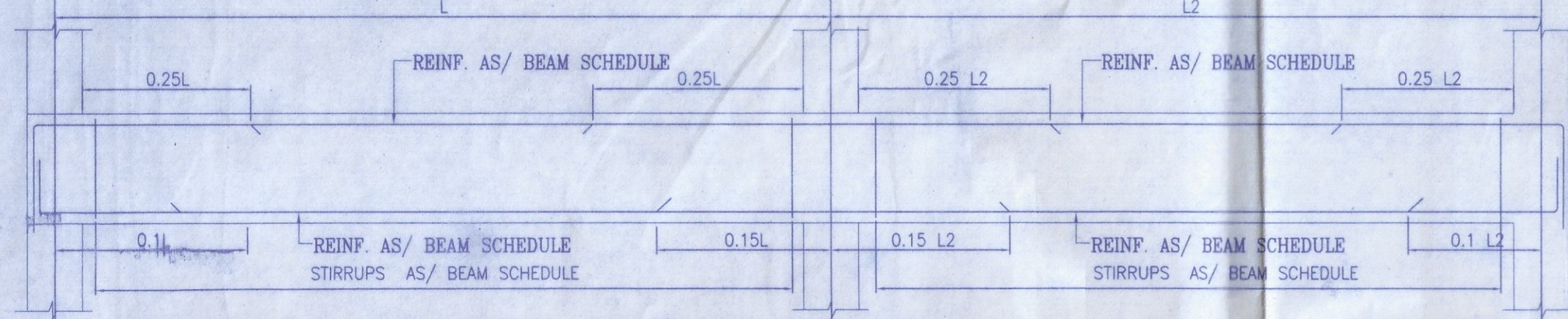
BEAM MKD.	SIZE (mm)	REINFORCEMENT DETAILS AT SUPPORT			REINFORCEMENT DETAILS AT MID SPAN		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
B1	250X450	3-16T (A.T)	3-16T (A.T)	2L - 8T @75 C/C	3-16T (A.T)	3-16T (A.T)	2L - 8T @150 C/C
B2	250X450	3-16T (A.T)	3-16T (A.T)	2L - 8T @75 C/C	3-16T (A.T)	3-16T (E.B)	2L - 8T @125 C/C
B2A	250X450	3-16T (A.T)	3-16T (A.T)	2L - 8T @75 C/C	3-16T (A.T)	3-16T (A.T)	2L - 8T @125 C/C
B3	250X450	3-16T (A.T)	3-16T (A.T)	2L - 8T @75 C/C	3-16T (A.T)	3-16T (E.B)	2L - 8T @125 C/C
B3A	250X450	3-16T (A.T)	3-16T (E.T)	2L - 8T @75 C/C	3-16T (A.T)	3-16T (E.B)	2L - 8T @125 C/C
B4	250X450	3-20T (A.T)	3-20T (A.T)	2L - 8T @75 C/C	3-20T (A.T)	3-16T (E.B)	2L - 8T @125 C/C
B4A	250X450	3-20T (A.T)	3-16T (E.T)	2L - 8T @75 C/C	3-20T (A.T)	3-20T (A.T)	2L - 8T @125 C/C
B4B	250X450	3-20T (A.T)	3-20T (A.T)	2L - 8T @75 C/C	3-20T (A.T)	3-16T (A.T)	2L - 8T @125 C/C
B5	250X450	3-20T (A.T)	3-20T (A.T)	2L - 8T @75 C/C	3-20T (A.T)	3-20T (A.T)	2L - 8T @125 C/C
B5A	250X450	3-20T (A.T)	2-16T (E.T)	2L - 8T @75 C/C	3-20T (A.T)	3-20T (A.T)	2L - 8T @125 C/C
B6	250X450	3-20T (A.T)	3-20T (A.T)	2L - 8T @75 C/C	3-20T (A.T)	3-20T (A.T)	2L - 8T @125 C/C
B6A	250X450	3-20T (A.T)	3-20T (A.T)	2L - 8T @75 C/C	3-20T (A.T)	3-20T (A.T)	2L - 8T @125 C/C
H.L.B	250X400	3-16T (A.T)	3-16T (A.T)	2L - 8T @150 C/C	3-16T (A.T)	3-16T (A.T)	2L - 8T @150 C/C

SCHEDULE OF SLAB (Fe-500, M=30)

SLAB MKD.	THICK. (mm.)	SHORT SPAN REINFORCEMENT DETAILS		LONG SPAN REINFORCEMENT DETAILS	
		TOP	BOTTOM	TOP	BOTTOM
S1	125	8T @150 C/C (T&B)		8T @175 C/C (T&B)	
S2	140	8T @150 C/C (T&B)		8T @175 C/C (T&B)	

SCHEDULE OF FOUNDATION BEAM (Fe-500, M=30)

FOUND MKD.	SIZE (mm)	REINFORCEMENT DETAILS AT SUPPORT			REINFORCEMENT DETAILS AT MID SPAN		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
FB1	500X600	4-16T (A.T) 2-16T (A.T)	4-16T (A.T) 2-16T (A.T)	4L 10T @125 C/C	4-16T (A.T) 2Ø 2-16T (A.T) 2Ø	4-16T (A.T) 2Ø 2-16T (A.T) 2Ø	4L 10T @125 C/C
FB2	500X600	4-16T (A.T) 4-16T (A.T)	4-16T (A.T) 4-16T (A.T)	4L 10T @125 C/C	4-16T (A.T) 2Ø 4-16T (A.T) 2Ø	4-16T (A.T) 2Ø 4-16T (A.T) 2Ø	4L 10T @125 C/C



PROPOSED G+IV STORIED RESIDENTIAL BUILDING OF MOHAMMAD MIRAN AT MOUZA- CHAPNA, J.L. NO.- 35, R.S. NO.- 162, TOUZI NO.-10, R.S. & L.R. DAG NO.- 169(P), L.R. KHATIAN NO.- 1108, P.S.- NEW TOWN, DIST.- 24 PGS. (NORTH), UNDER PATHARGHATA GRAM PANCHAYAT.

- SPECIFICATIONS :
- 1) ALL DIMENSIONS ARE IN MM. UNLESS SPECIFIED
 - 2) GRADE OF CONCRETE - M25
 - 3) GRADE OF STEEL - H.Y.S.D. (Fe 500)
 - 4) ALL OTHER STRUCTURAL DETAILS SUCH AS LAPPING, COVER, ETC. AS PER IS: 456-2000
 - 5) THE DRAWING IS TO BE READ IN CONNECTION WITH ARCHITECTURAL DRAWING
 - 6) DO NOT SCALE THE DRAWING.
 - 7) WRITTEN DIMENSIONS ARE TO BE FOLLOWED
 - 8) BASIS OF DESIGN ARE BOTH WORKING STRESS & LIMITING STRESS METHOD
 - 9) ALL DIMENSIONS SHOULD BE CHECKED AT SITE
 - 10) DRAWING SCALES: 1:100, 1:50, 1:25
 - 11) THIS DRAWING IS A PRIVATE & CONFIDENTIAL DOCUMENT OF THE ABOVE CONSULTANT. IT MUST NOT BE COPIED OR CHANGED WITHOUT THEIR CONSENT
 - 12) A.T. - ALL THROUGH E.T. - EXTRA TOP

CERTIFICATE OF OWNER

I SHALL NOT CONSTRUCT THE BUILDING IN DEVIATION OF THE SUBMITTED PLANS AND DRAWINGS.

(Signature)
SIGNATURE OF OWNER

CERTIFICATE OF ARCHITECT

I CERTIFY THAT ALL THE ARCHITECTURAL DRAWINGS OF THE PROJECT HAVE BEEN PREPARED BY ME COMPLYING WITH THE PROVISION OF NEW TOWN DEVELOPMENT AUTHORITY ACT (BUILDING RULES) & FOR THE PROJECTS WITHIN NEW TOWN KOLKATA PLANNING AREA RAJARHAT. NO SUCH WRONG & INCORRECT INFORMATION HAS BEEN FURNISHED BY ME INCLUDING AREA CALCULATION CHARTS IN THE DRAWING & NO VIOLATION OF THE PROVISION OF THESE RULES WILL BE FOUND IN ANY OF THE DRAWINGS & DOCUMENTS SUBMITTED TO THE SANCTIONING AUTHORITY FOR OBTAINING SANCTION.

(Signature)
Architect:
Saptak Pramanick
CoA Reg. No. CA/2018/94506
B.Arch.(JU)

SIGNATURE OF ARCHITECT

CERTIFICATE OF ENGINEER

I CERTIFY THAT THE STRUCTURAL DRAWING & DESIGN OF BOTH THE FOUNDATION & SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT AS PER THESE RULES, REGULATIONS & CODES MADE & ALSO CONSIDERING ALL POSSIBLE LOADS, SEISMIC LOAD & THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER CURRENT CODES OF BUREAU OF INDIA STANDARDS & NATIONAL BUILDING CODE OF INDIA & CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECT OF TO G+IV STORIES & THESE PROVISION SHALL BE ADHERED TO DURING THE CONSTRUCTION.

(Signature)
Abhratnu Dhar
Structural Engineer
M.Tech (Struct. & Tech) (IIT)
Reg. Under NKDA
STER/KNKA/10/00177
C/E (Struct. & Tech)

SIGNATURE OF ENGINEER

CERTIFICATE OF GEOTECHNICAL ENGINEER

IT IS CERTIFIED THAT COMPREHENSIVE GEO-TECHNICAL REPORT ON SOIL INVESTIGATION HAS BEEN PREPARED BY ME FOR DESIGN & CALCULATION OF THE FOUNDATION BY ANALYZING THE SOIL SAMPLES FOR ESTIMATING THE BEARING CAPACITY OF THE SOIL ON WHICH FOUNDATION OF THE STRUCTURE WILL BE CONSTRUCTED. I SHALL ALSO CHECK THE NATURE OF THE SOIL AFTER EXCAVATION AT SITE SO THAT FOUNDATION IS EXTENDED UP TO THE APPROPRIATE DEPTH THAT HAS BEEN PROPOSED IN THE GEOTECHNICAL REPORT.

(Signature)
S. K. Mandal
B.E. (Civil), M.E., M.T.E.S., I.A.E.T. 242
L.S.C. (Civil) (I.A.E.T.), ESE-1
Structural Chartered Engineer
Structural & Geotechnical Engineering
(I.E.T.E., I.A.E.T., I.A.E.T.)
Reg. Under NKDA
STER/KNKA/10/00177
Recommended by M.E.D. Govt. of W.B.

SIGNATURE OF GEOTECHNICAL ENGINEER

VETTED

(Signature)
Dr. Dipesh Hajundar
Ph.D. (Struct. Engg)
Assistant Professor
Department of Construction Engineering
Jadavpur University

SIG. OF PROFESSOR

TITLE:
CENTER LINE OF COLUMN, STRIP SLAB AND BEAM LAYOUT & SCHEDULE, FLOOR BEAM-SLAB LAYOUT & SCHEDULE, COLUMN LONG AND CROSS SECTIONAL DETAILS.

REVISION NO. - 00/00
DRAWING NO. - STRUC/01
DRAWN BY - MIULY SAHA
CHECKED BY - ABHRTANU DHAR

