

DESIGN TABLE FOR PILE & PILE CAP

P I L E					P I L E C A P						
DIA OF PIPE	NO OF PILE'S	LENGTH OF PILE	CUT OFF LENGTH	AST MAIN REINF.	STIRRUPS	LENGTH (L)	BREDDTH (B)	DEPTH (D)	AST. TOP	AST. BOTT.	AST. BINDER
450	4 PILE'S CAP	18.0 M	1.50 M	16 ϕ -6 NOS.	6mm ϕ @ 150 C/C	2130	2130	800	12mm ϕ @ 150 c/c BOTHWAY	16mm ϕ @ 150 c/c BOTHWAY	3 NOS. 12
450	3 PILE'S CAP	18.0 M	1.50 M	16 ϕ -6 NOS.	6mm ϕ @ 150 C/C	2130	1950	800	12mm ϕ @ 150 c/c BOTHWAY	16mm ϕ @ 150 c/c BOTHWAY	3 NOS. 12
450	2 PILE'S CAP	18.0 M	1.50 M	16 ϕ -6 NOS.	6mm ϕ @ 150 C/C	2130	780	800	12mm ϕ @ 150 c/c BOTHWAY	16mm ϕ @ 150 c/c BOTHWAY	3 NOS. 12

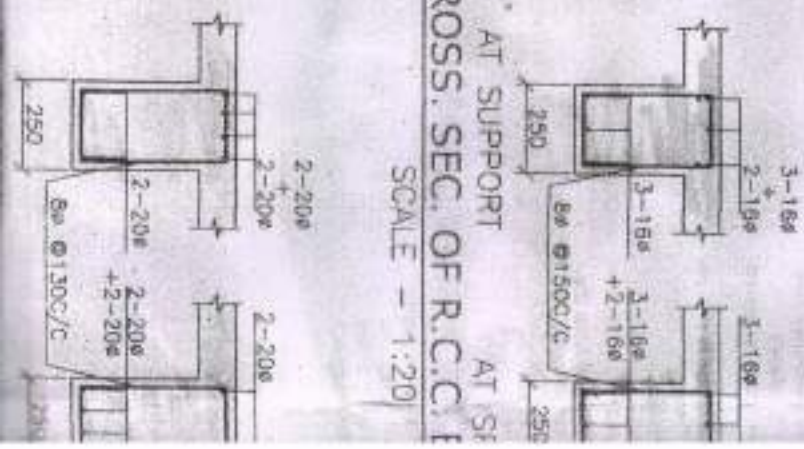
COLUMN SCHEDULE

COLMKD.	SIZE	REINFORCEMENT	T I E
D1,C2,C3,C4,C5,C9,C17,C19 C20,C10,C18,C23,C35,C50 C16,C34,C46,C8,C40,C41,C42	250 X 500	B-20 ϕ	BR-2L@140c/c
C6,C7,C36,C37,C38,C39,C43 C30,C49.	300 X 550	10-20 ϕ	BR-4L@130c/c
C24,C25,C28,C29,C21,C47, C48,C51,C52,C53,C54,C55, C56,C11,C12,C13,C27	400 X 400	10-20 ϕ	BR-4L@120c/c
C26,C27,C31,C32,C33,C44 C45,C22,C14,C15	450 X 450	14-20 ϕ	BR-4L@120c/c

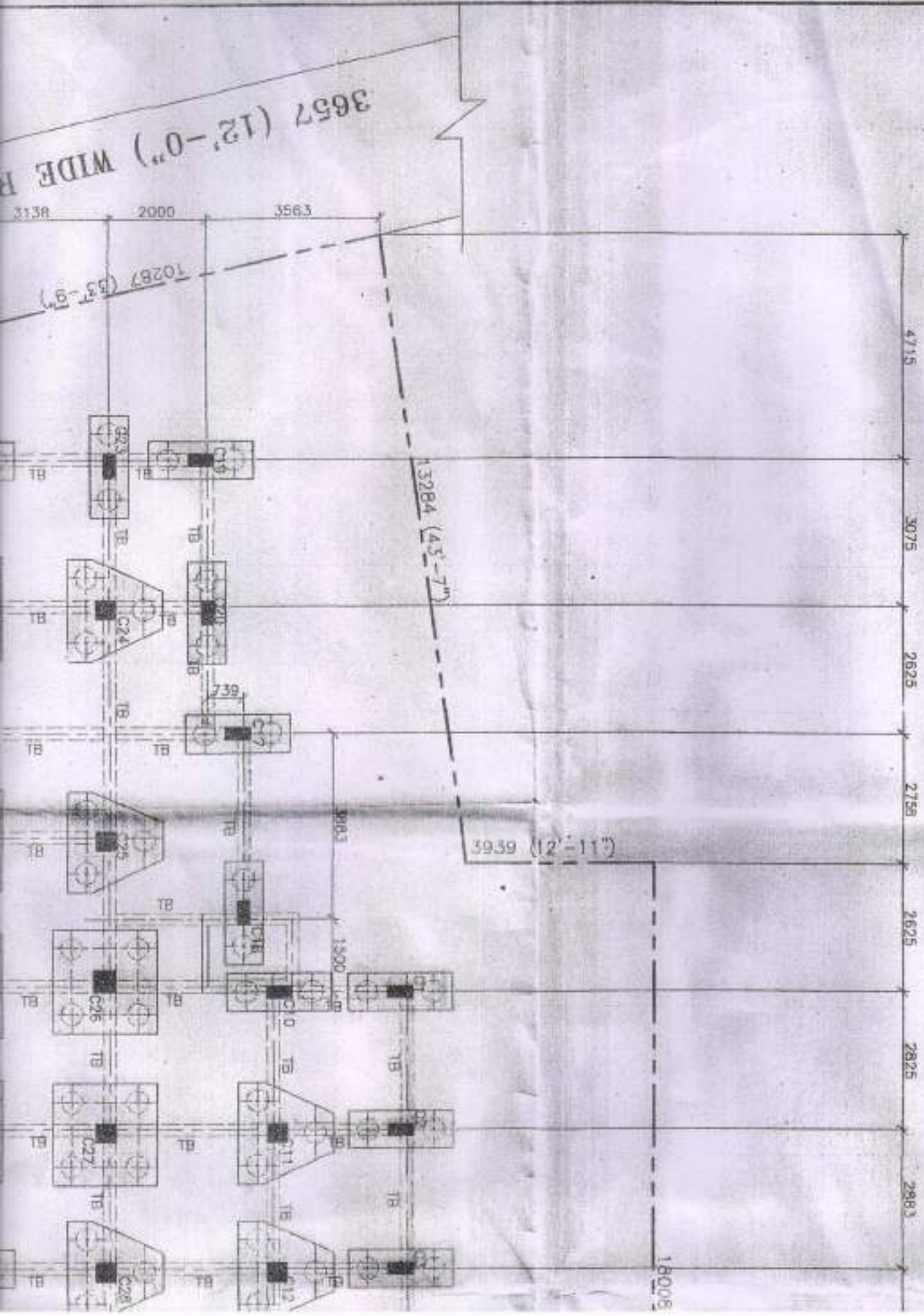
SCHEDULE OF R.C.C. SLAB

SLAB MARKING	THICKNES M.M.	REINFORCE MENT	
		ALONG SHORTER	ALONG LONGER
S1	150	8mm ϕ @125 C/C	8mm ϕ @125 C/C

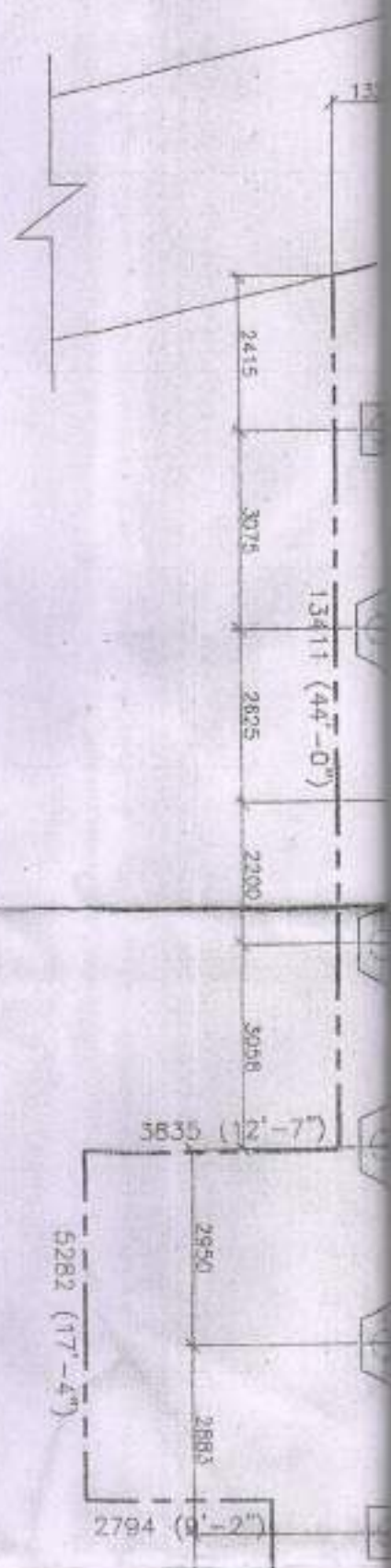
AT SUPPORT
CROSS. SEC. OF R.C.C. I
 SCALE - 1:20



(R)



CROSS SECTION OF ROADWAY
SCALE - 1:20



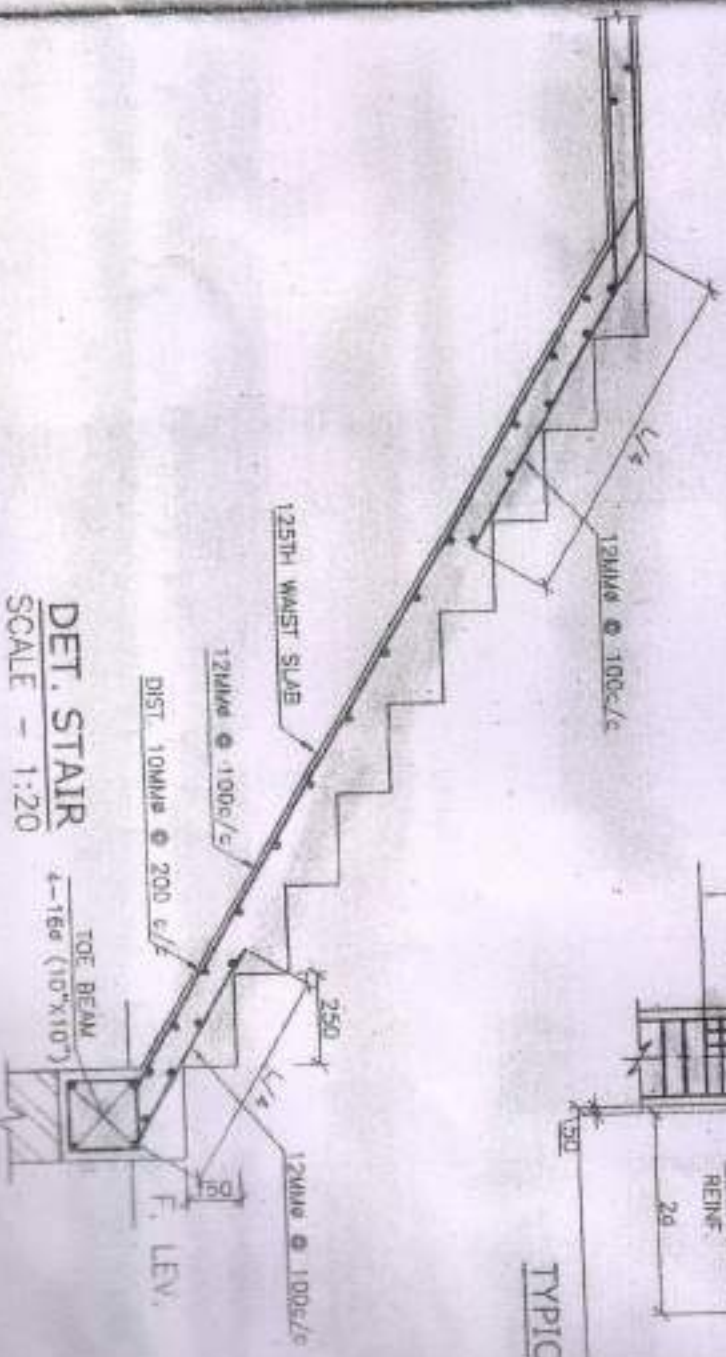
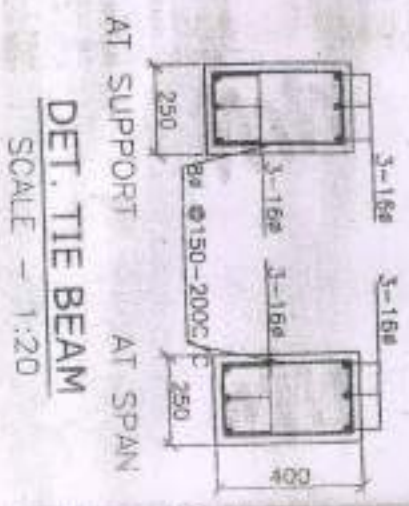
EXISTING FOUNDATION LAYOUT
SCALE - 1:100

2

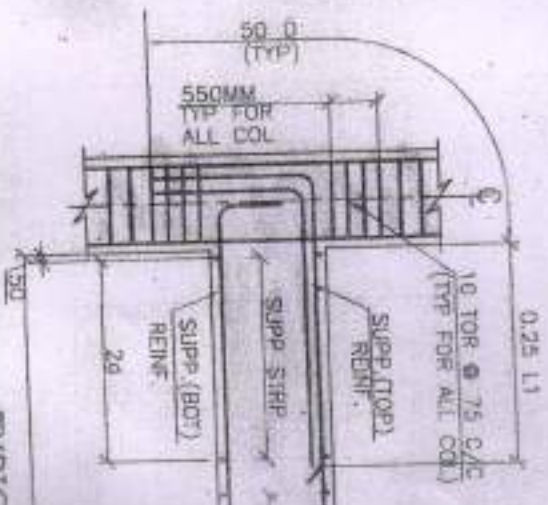
REMARKS
 4 NOS. 450 DIA R.C.C. PILE IN EACH COLUMN
 3 NOS. 450 DIA R.C.C. PILE IN EACH COLUMN
 2 NOS. 450 DIA R.C.C. PILE IN EACH COLUMN

DESIGN TABLE FOR BEAM

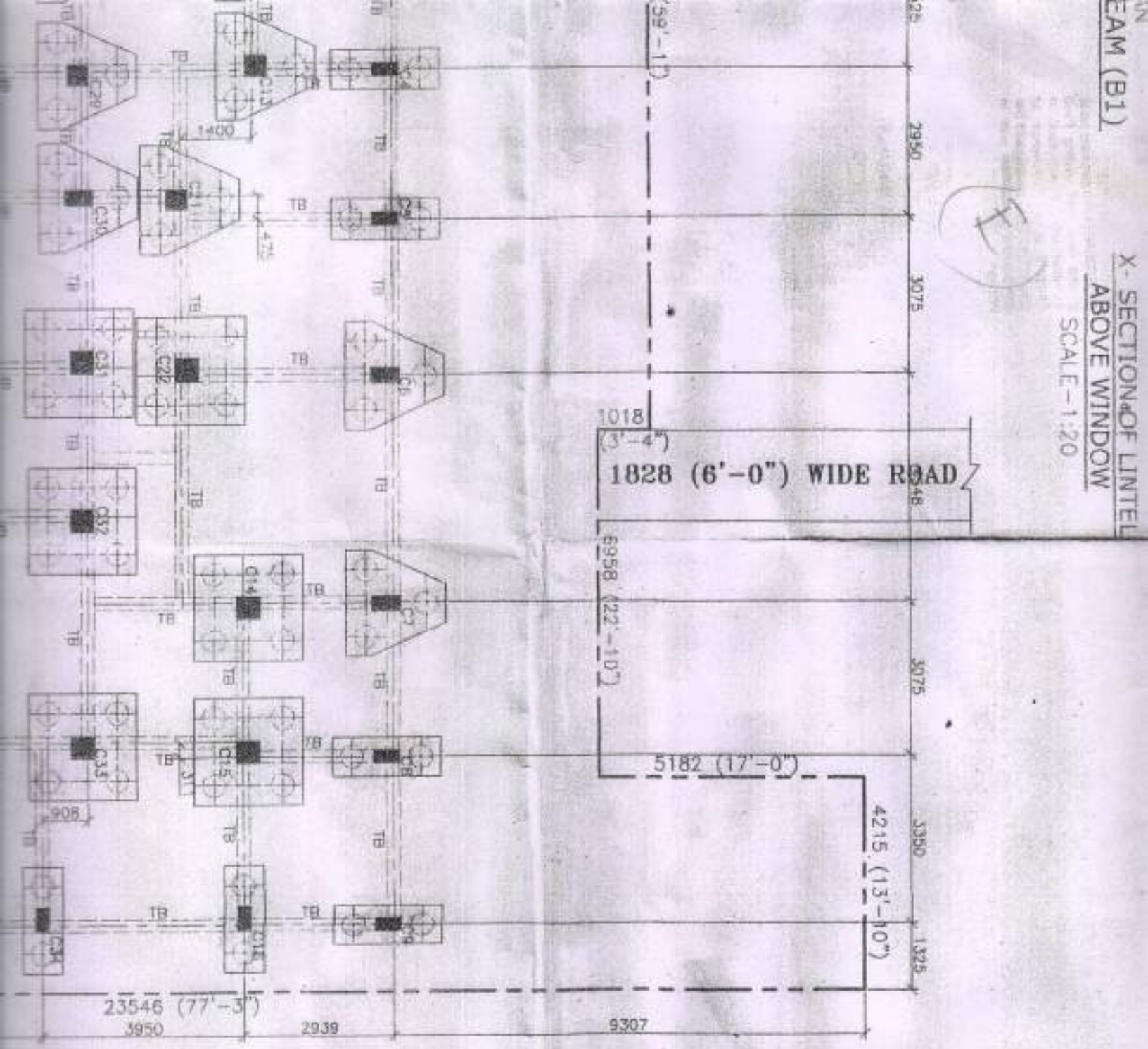
BEAM MARKING AS IN STRUCTURAL PLAN	SIZE b x D mm x mm	SUPPORT		SPAN		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
B1	250x450	4-20 ϕ	2-20 ϕ	2-20 ϕ	4-20 ϕ	8mm ϕ -2L @150 C/C
B2	250x400	5-16 ϕ	3-18 ϕ	3-16 ϕ	5-16 ϕ	8mm ϕ -2L @150 C/C



TYPICAL ST

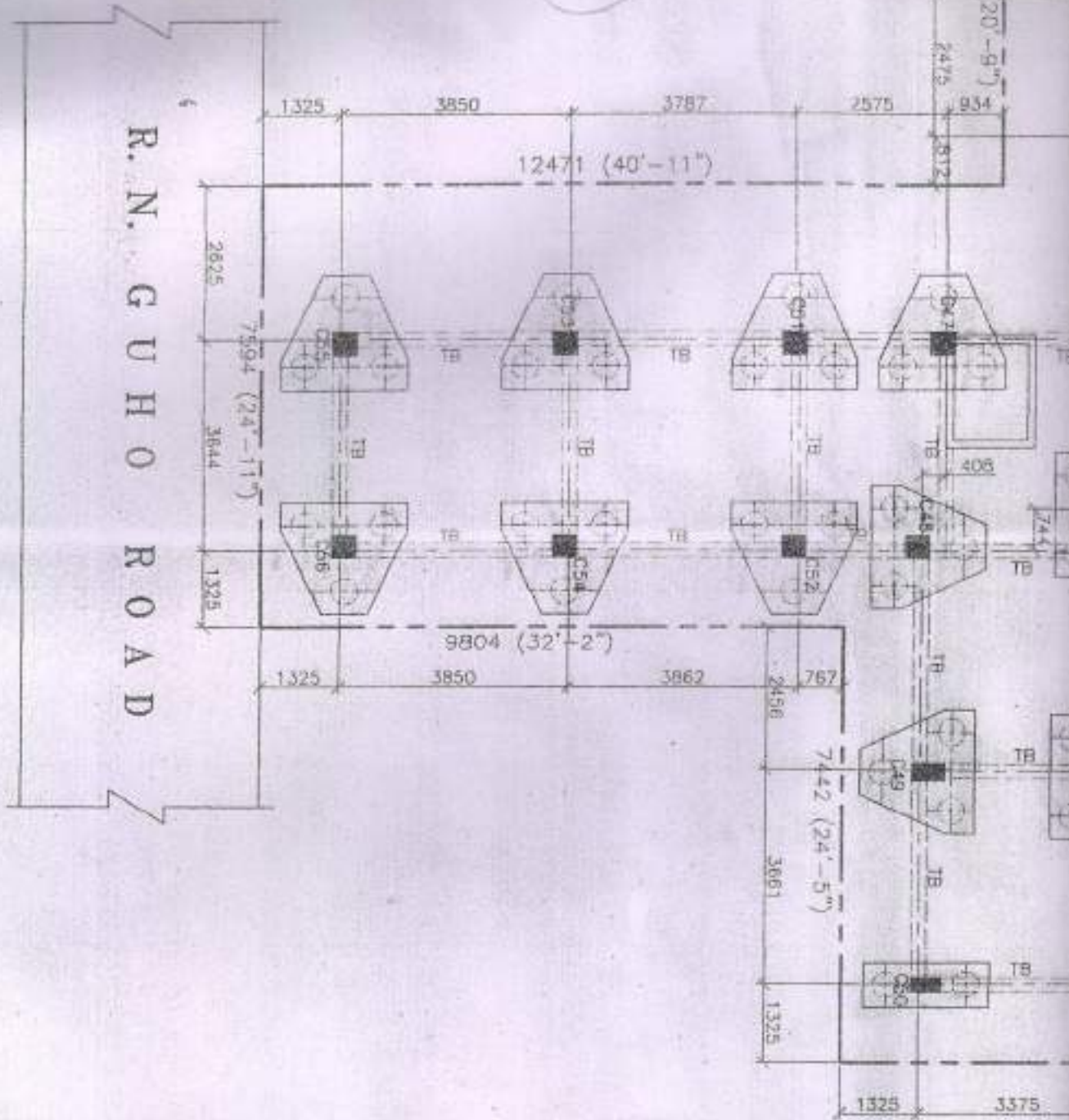


X SECTION OF LINTEL ABOVE WINDOW
SCALE - 1:20

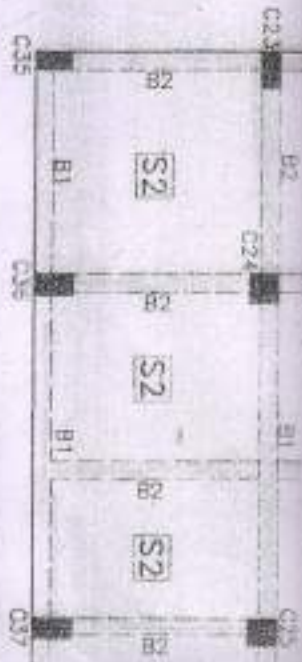


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LAN



R. N. G U H O ROAD



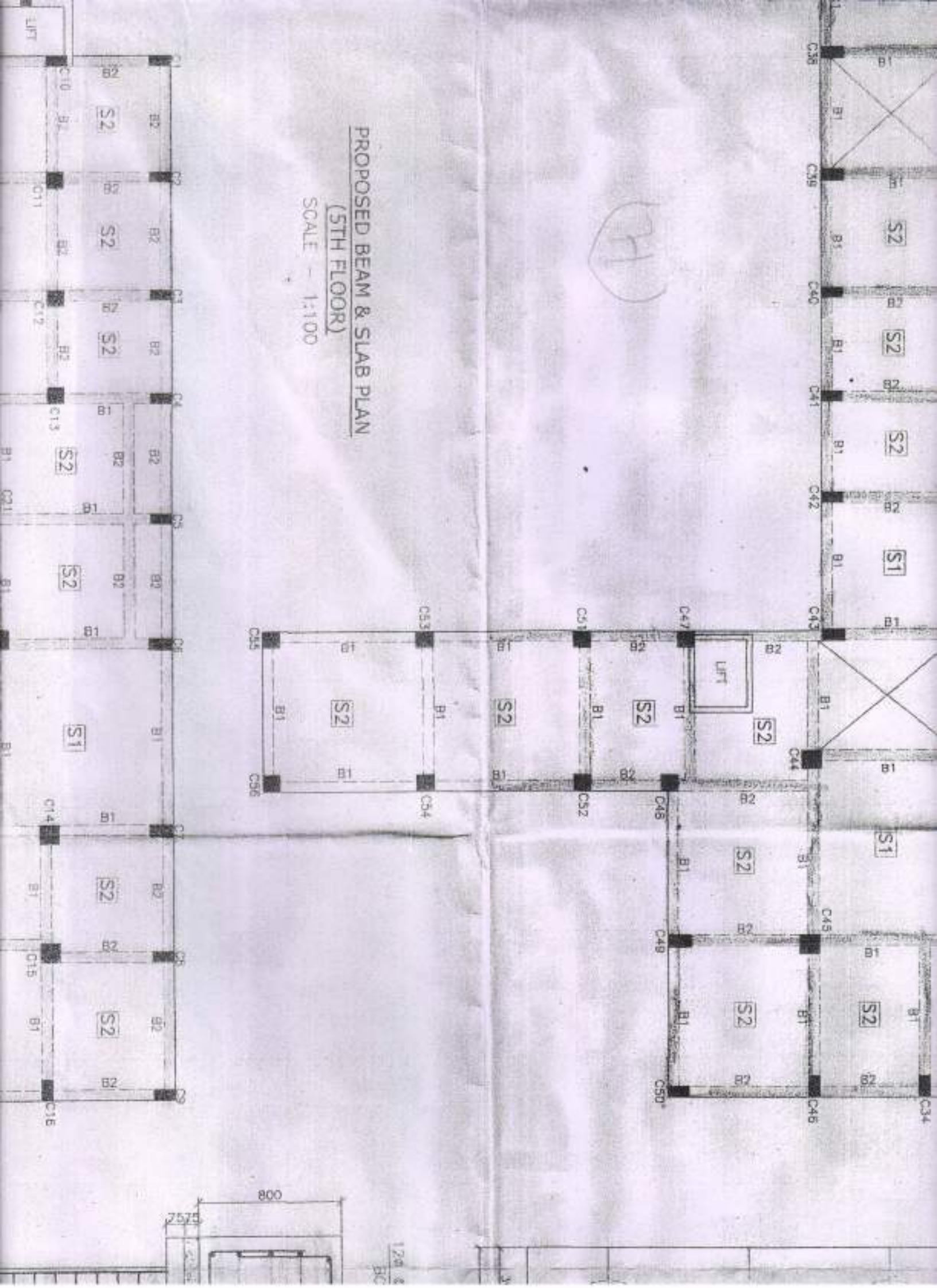
Rajiv Kumar Singh
 RAJIV KUMAR SINGH
 Empowered Civil Technical Engineer
 LIC No. STE/13
 The Kolhwa Municipal Corporation

(H)

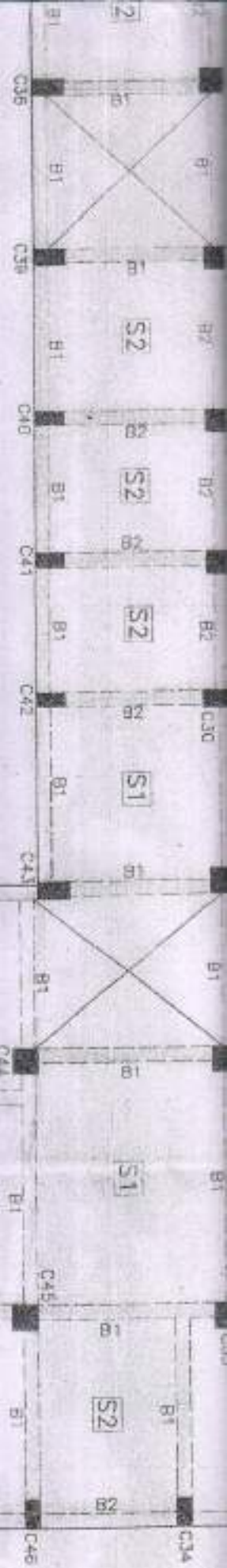
PROPOSED BEAM & SLAB PLAN

(5TH FLOOR)

SCALE - 1:100



120 &
BC

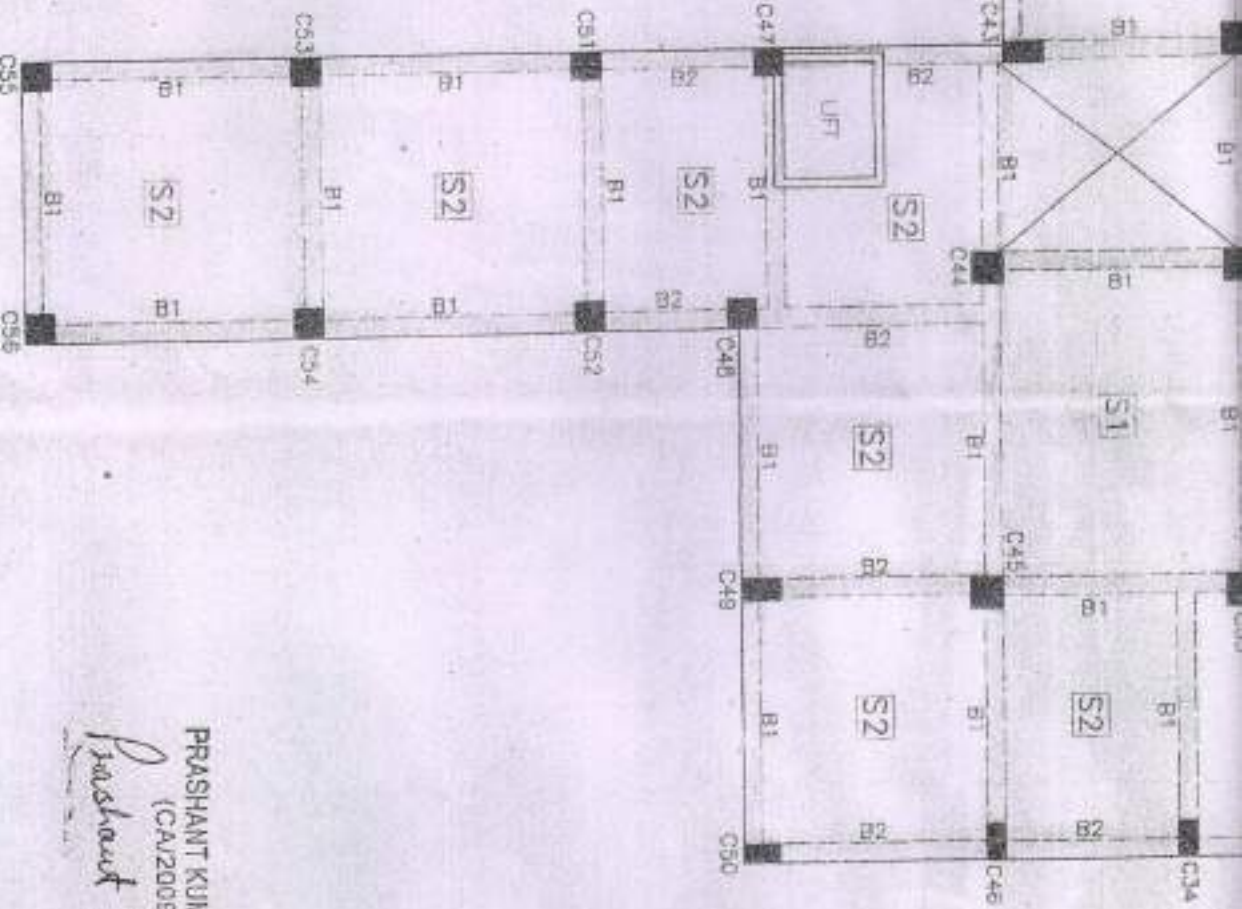


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EXISTING BEAM & SLAB PLAN
(GROUND, 1ST, 2ND, 3RD & 4TH FLOOR)

SCALE - 1:100

PRASHANT KUMAR AGRAWAL
 (CA/2009/46454)
Prashant Agrawal
 ARCHITECT

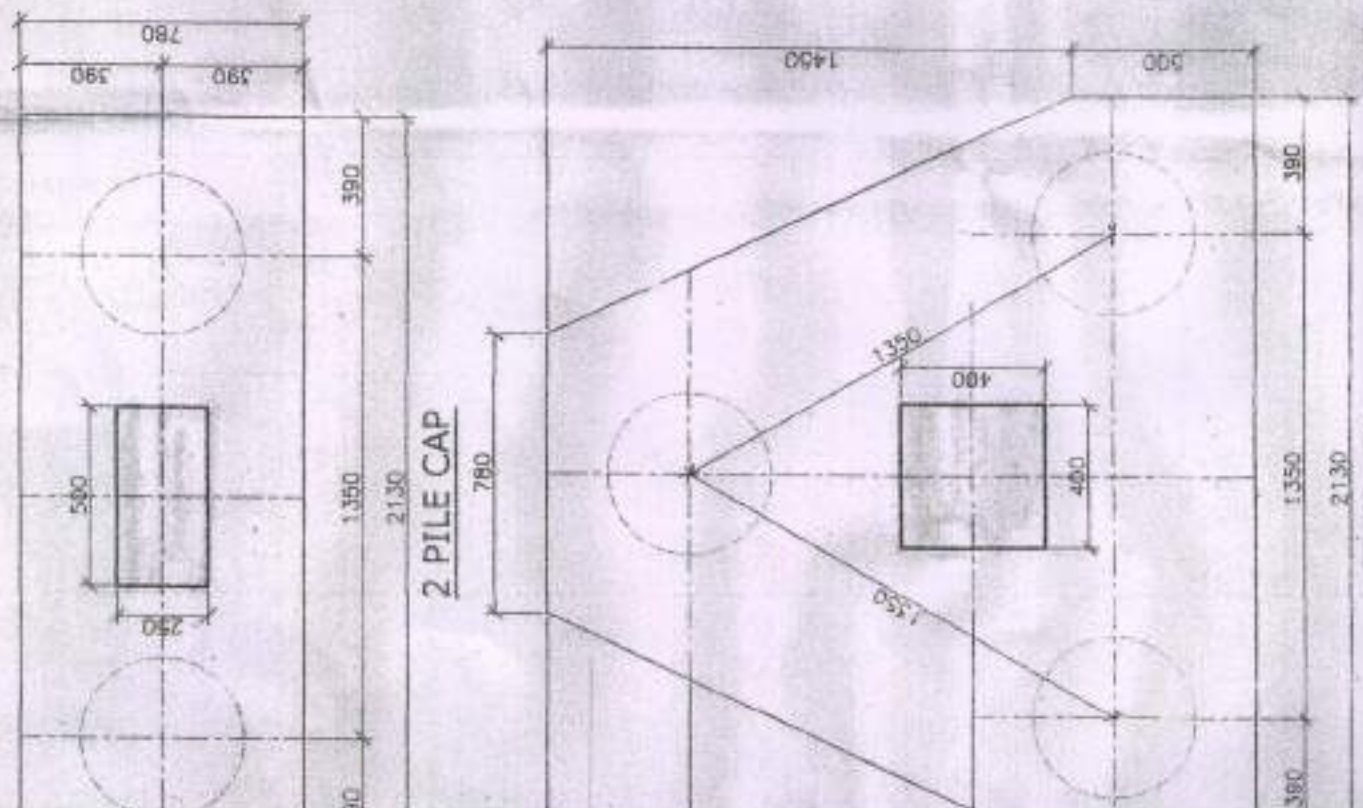
PROJECT TITLE

**STRUCTURAL PLAN OF
ADDITION/ALTERATION SIX STORED RESIDENTIAL BUILDING OF
G. S. PROPERTIES AND MANAGEMENT,
(PARTNERS: SRI BISWAJIT CHAKRABORTY, SRI SOUMENDRA NATH
SANTRA & SRI KRISHNA DAS PODDAR)
AT MOUZA-DUM DUM HOUSE, J.L. NO.-19, TOUZI NO.-
1070/2834,179, L.R. DAG NO.-934.935, R.S. DAG NO.-1580,
332, L.R. KHATIAN NO.-1598, R.S. KHATIAN NO.-125,
C.S. DAG NO.-332.334,336, MUNICIPAL HOLDING
NO.-330(O) 386/1(N), R.N. GUHA RD. WARD NO.-B,
P.S.-DUM DUM, DIST-24 PGS (NORTH),
UNDER "SOUTH DUM DUM MUNICIPALITY"**

PREVIOUS SANCTIONED PLAN NO.- , DATED:

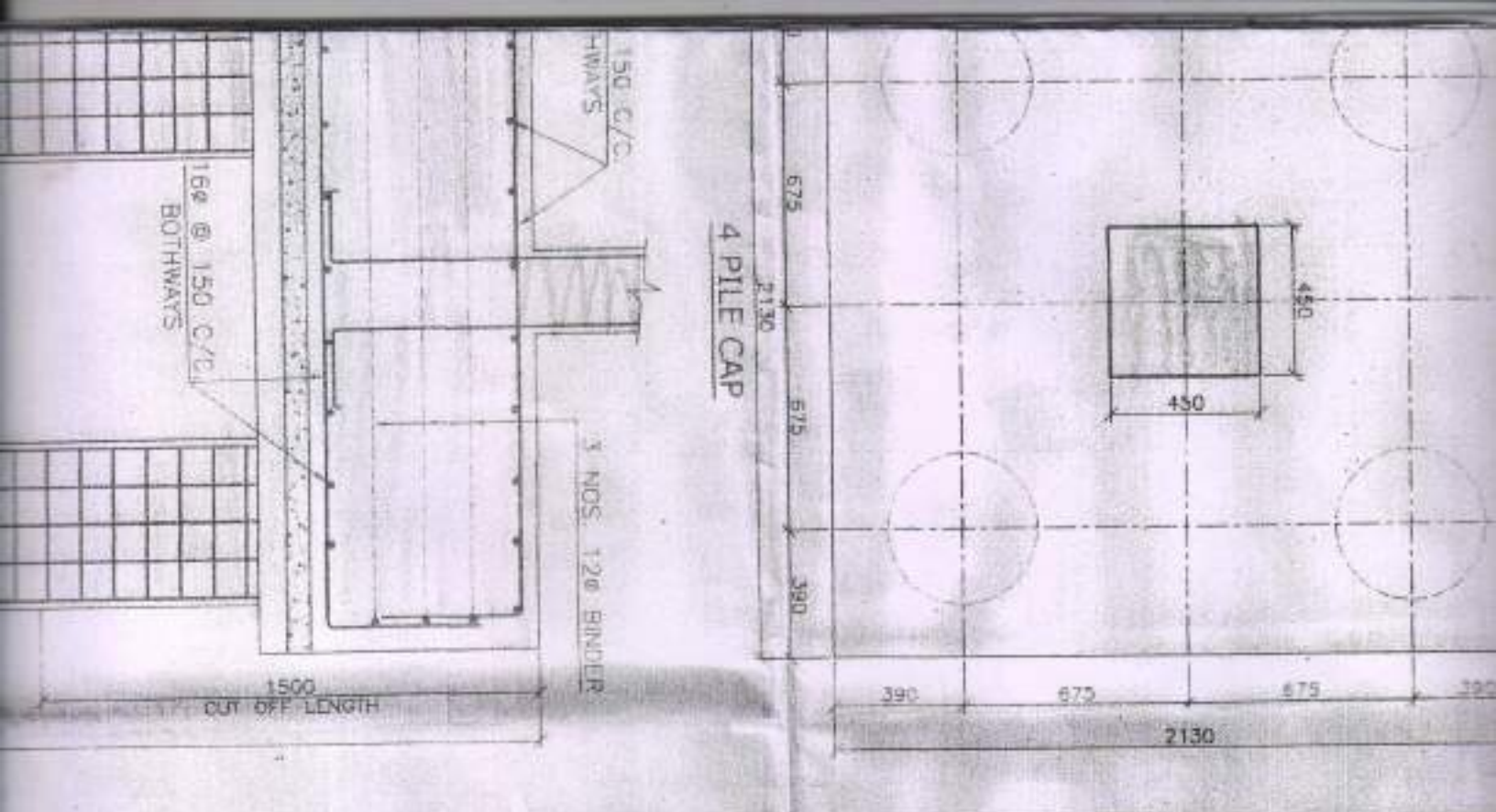
N O T E S

- 1 ALL DIMENSIONS AND LEVELS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
- 2 ALL STRUCTURAL CONCRETE WORK SHALL BE OF M25 GRADE (MIXED DESIGN) AND SHALL BE IN ACCORDANCE WITH IS: 456-2000. & IS 2911.
- 3 STRUCTURAL DESIGN IS VALID ONLY FOR THE SANCTION ARCHITECTURAL 100 M.M. PROJECTION.
- 4 ALL REINFORCEMENTS SHALL BE THERMO MECHANICALLY TREATED BARS (TMT) TO GRADE Fe 500 AND Fe 415 RESPECTIVELY.
- 6 PROVIDE 75 TH. P.C.C. (1:4:8) BLOW FOOTING & GROUND BEAM WITH 100 M.M. PROJECTION.
- 7 LAP SPLICES, DEVELOPMENT LENGTH, CONFINING REINFORCEMENT & MISSING REINFORCEMENT DETAILS IF ANY, AS PER IS 13920.
- 8 SCALING OF THIS DRAWING IS NOT PERMITTED, ONLY WRITTEN DIMENSION ARE TO BE FOLLOWED.
- 9 MATERIALS / WORKMANSHIP / QUALITY ASSURANCE MEASURES WILL BE ENSURED AS PER SECTION 2 OF IS 450-2000.



G. S. PROPERTIES & MANAGEMENT PVT. LTD.
 Director
 G. S. PROPERTIES & MANAGEMENT PVT. LTD.





IS CODES,
 13 UNLESS NOTED OTHERWISE THE MINIMUM CLEAR COVER SHALL BE AS FOLLOWS :-

	TOP	BOTTOM	SIDE
a) FOUNDATION	50	50	50
b) COLUMN	40	40	40
c) BEAM	30	30	30
d) SLAB	20	20	20
e) STAIR CASE	30	30	30

CERTIFICATE OF OWNER/S

CERTIFIED THAT I/WE SHALL NOT ON A LATER DATE MAKE ANY ADDITION & ALTERATION TO THIS PLAN SO AS TO CONVERT IT FOR MY/OUR USE OR ALLOW IT TO BE USED FOR SEPERATE FLATS PER FLOOR/STOREY.

CERTIFIED THAT I/WE HAVE GONE THROUGH THE BUILDING RULES FOR THE SOUTH DUM DUM MUNICIPALITY IN VOUGE & ALSO UNDERTAKE TO ABIDE BY THOSE RULES DURING & AFTER CONSTRUCTION OF THE BUILDING.

CERTIFIED THAT I/WE ALSO UNDERTAKE TO REPORT OF COMMENCEMENT BEFORE 7 DAYS & COMPLETION WOULD BE REPORTED WITHIN 30 DAYS.

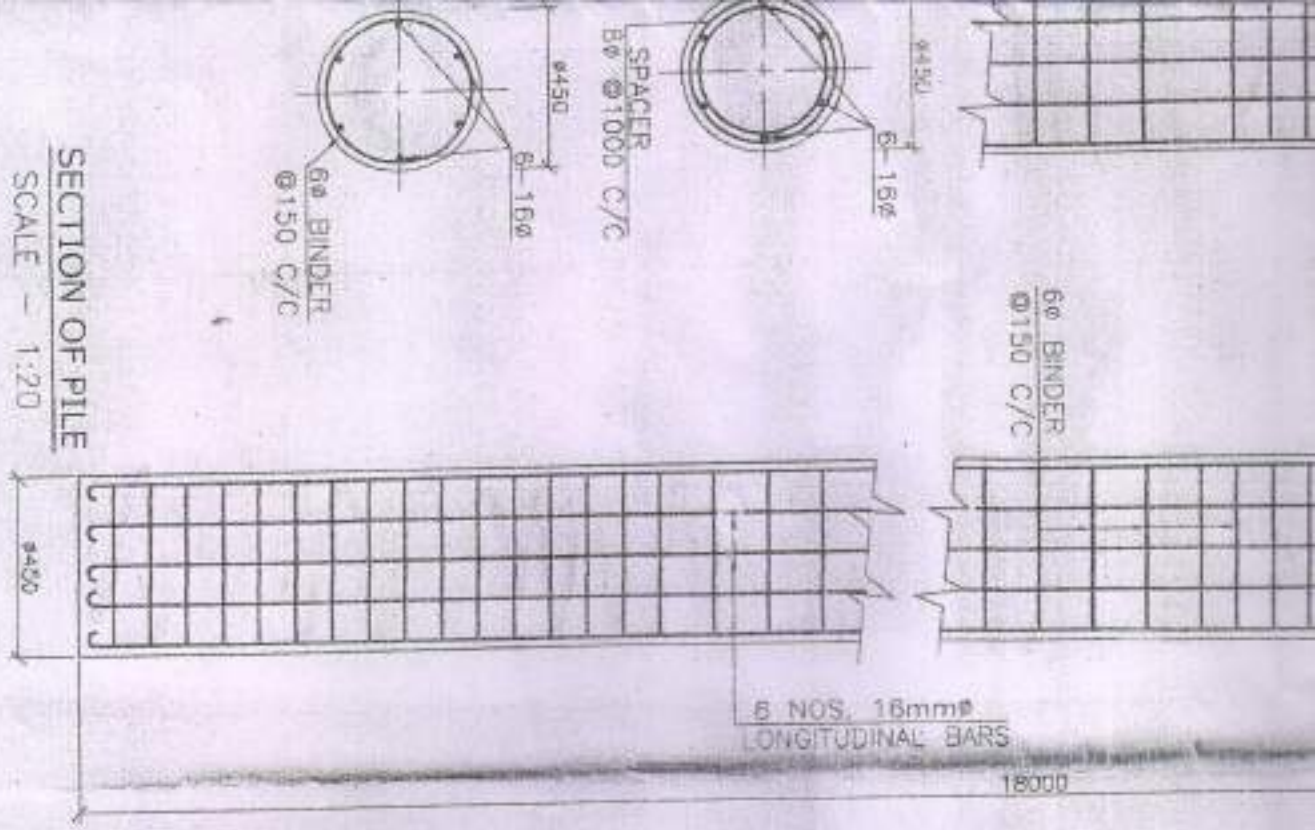
I/WE ALSO UNDERTAKE TO REPORT THAT THERE IS NO COURT CASE OR ANY COMPLAIN FROM ANY CORNER IN RESPECT OF MY/OUR PROPERTY AS PER PLAN I/WE HAVE NOT SOLD/TRANSFERED ANY PART OF MY/OUR PROPERTY/LAND TO ANYBODY UNTILL NOW.

IF ANY DISPUTE ARISES IN FUTURE "SOUTH DUM DUM MUNICIPALITY" WILL NOT BE LIABLE.

G. S. Properties and Management (P) Ltd.

Shonjit Chatterjee
 Director





SIGNATURE OF OWNER/S

CERTIFICATE OF ENGINEER

CERTIFIED THAT THE FOUNDATION AND THE SUPER STRUCTURE OF THE BUILDING HAVE BEEN SO DESIGN BY ME/US TO BE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY & SETTLEMENT OF SOIL ETC. AS PER I.S.I. STANDARD & N.B. CODE

CERTIFIED THAT THE PLAN HAS BEEN DESIGN & DRAWN UP STRICTLY ACCORDING TO THE BUILDING RULES FOR "SOUTH DUM DUM MUNICIPALITY".

I AS A STRUCTURAL DESIGNER HEREBY CERTIFY THAT I IDENTIFY SOUTH DUM DUM MUNICIPALITY FOR ANY STRUCTURAL DEFECTS AND/OR FAILURE OF THE PROPOSED BUILDING AFTER OR DURING THE CONSTRUCTION.

HOWEVER STRUCTURAL DESIGN CALCULATION ARE SUBMITTED FOR REFERENCE OR RECORD.

Signature of Engineer

Signature of Engineer

DR. RAJESH K. DEY
Engineer (Structural) Engineer
B.D.C.I.N.I
15/10/19

SIGNATURE OF I.B.S. _____
SIGNATURE OF ENGINEER _____

DRAWN BY	DATE	DD FILE NAME :	SHEET NO. : 02	SCALE : 1:100
Pritabrata Pal 94531 12693	16-09-2018	D:\DRAWING\DHUBA\YEAR 2018\SMT. RINA DHAR (A1).dwg		
		DRAWING NO. : 735		

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