

1. SCHEDULE OF COLUMNS

COLUMN MARKED	NOS. OF COLUMNS	COLUMN SIZE (mm x mm)	FOUNDATION TO 1ST FLOOR	2ND FLOOR TO 3RD FLOOR	4TH FLOOR TO ROOF	TIE	SHAPE OF STIRRUPS
C7	01	250x550	550	550	550	NEAR JUNCTION (UPTO 1/3 LENGTH) LINKS: 8@75C/C (4 NOS' CLOSED LINK PER SET) AT REST PORTION LINKS: 8@150C/C (4 NOS' CLOSED LINK PER SET)	1-2
C18	01	300x500	500	500	500	NEAR JUNCTION (UPTO 1/3 LENGTH) LINKS: 8@75C/C (4 NOS' CLOSED LINK PER SET) AT REST PORTION LINKS: 8@150C/C (4 NOS' CLOSED LINK PER SET)	1-2
C1, C2, C3, C4, C5, C6, C8, C9, C10, C11, C12, C13, C14, C15, C16	15	250x500	500	500	500	NEAR JUNCTION (UPTO 1/3 LENGTH) LINKS: 8@75C/C (3 NOS' CLOSED LINK PER SET) AT REST PORTION LINKS: 8@150C/C (3 NOS' CLOSED LINK PER SET)	1-2
C17	01	350x400	400	400	400	NEAR JUNCTION (UPTO 1/3 LENGTH) LINKS: 8@75C/C (4 NOS' CLOSED LINK PER SET) AT REST PORTION LINKS: 8@150C/C (4 NOS' CLOSED LINK PER SET)	1-2

TABLE NO.-01 (SCHEDULE OF ISOLATED FOOTING)

FOUNDATION TYPE	COLUMN UNDER	L	B	C	D	E	F	G	H	I	J	K	M	N	O	P	Q	R	S	REINF. DETAILS FOR FOUNDATION SLAB
F1	C1, C2, C4, C6, C10, C15, C16	2500	2500	500	250	600	350	700	450	800	550	650	350	250	200	75	75	1650	3650	12@150C/C

2. FOOTING LAYOUT PLAN

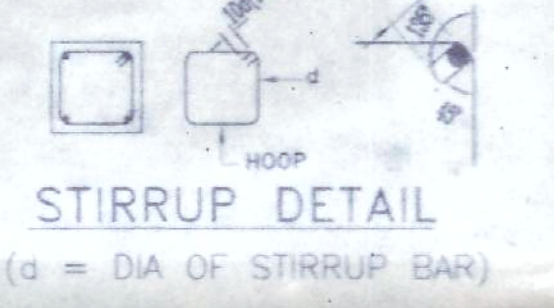
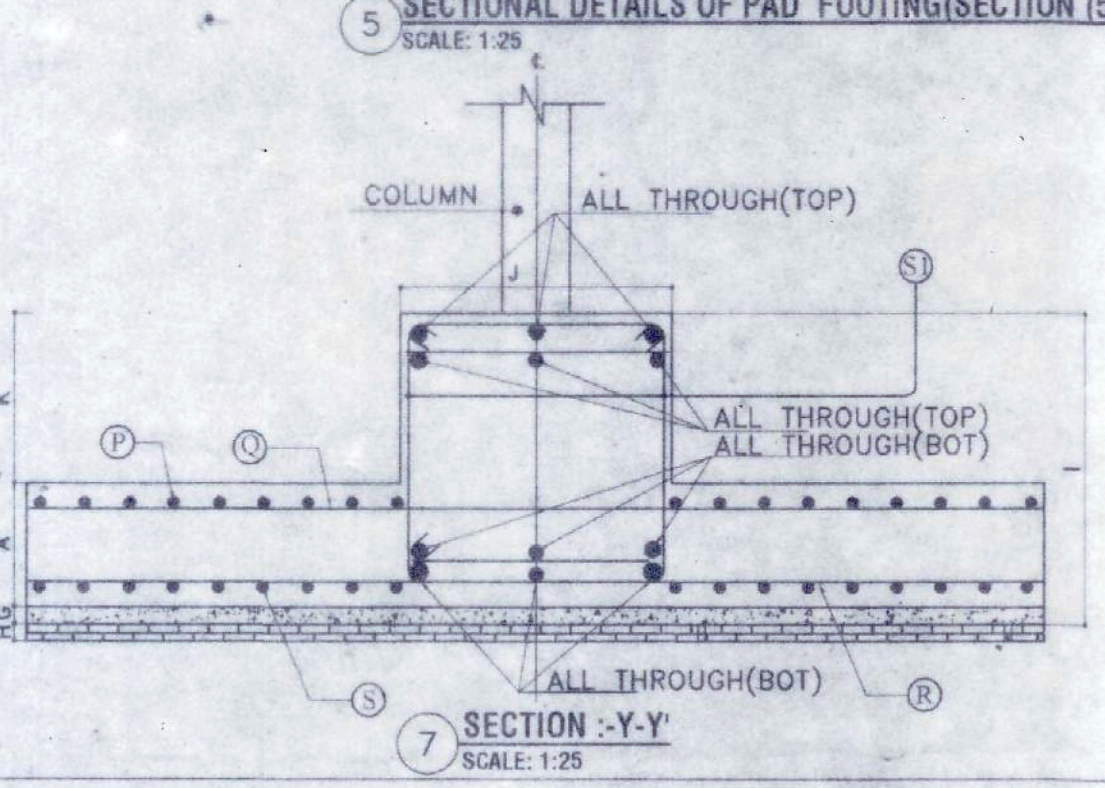
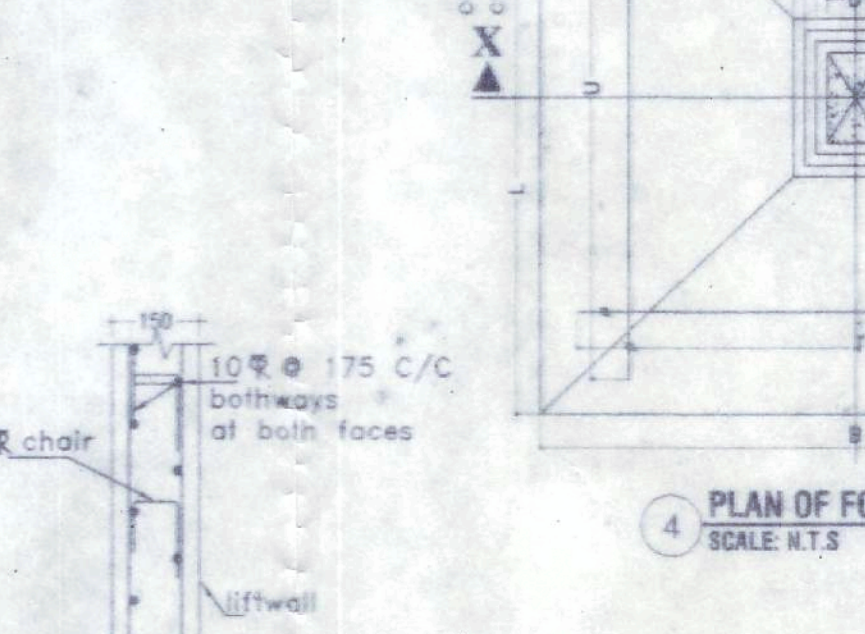
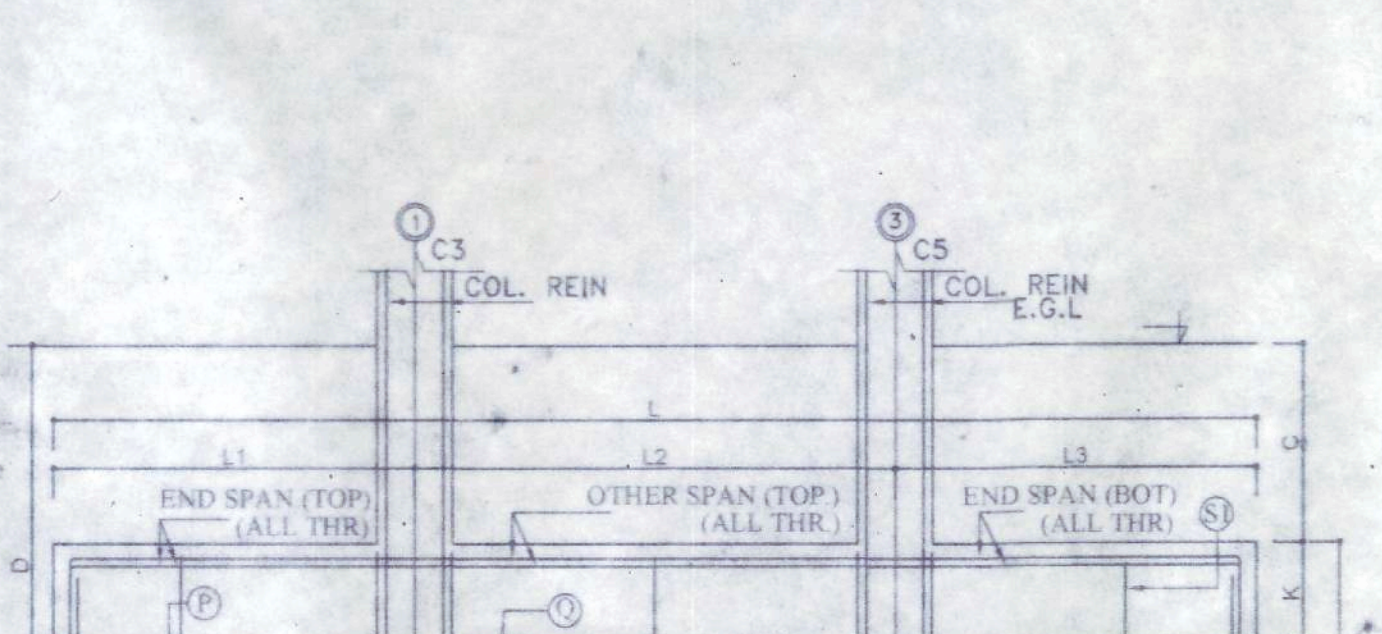
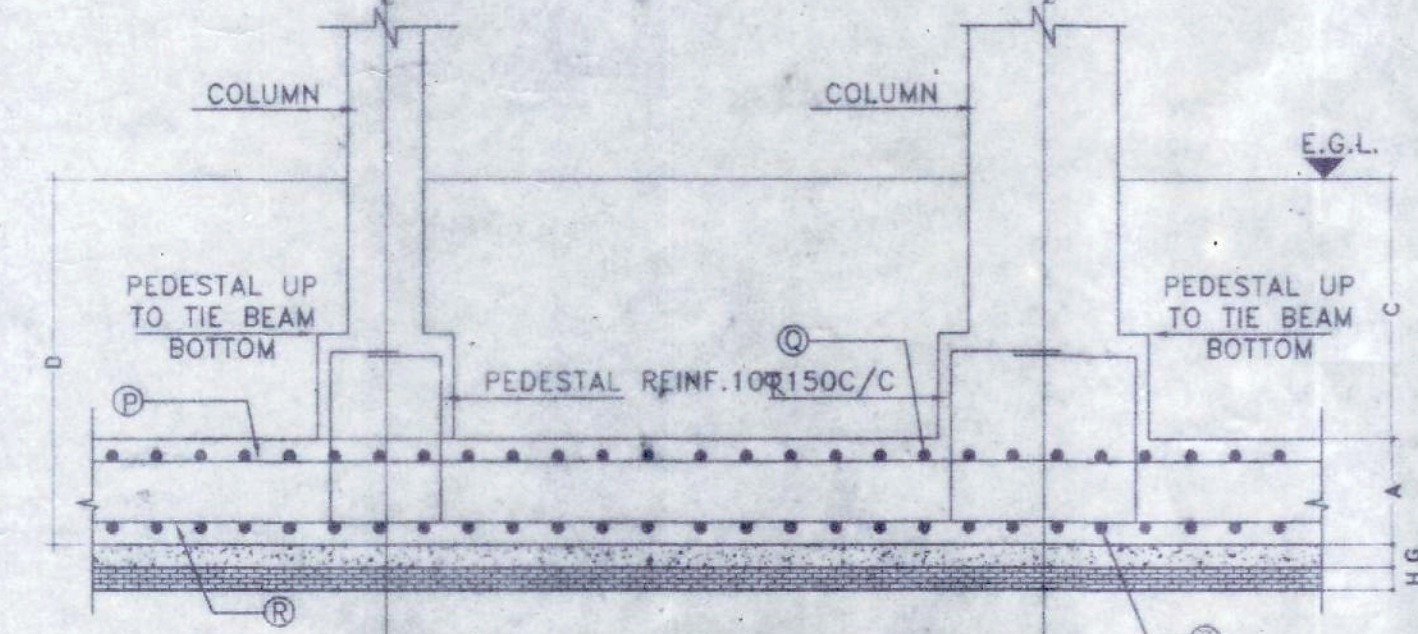


TABLE NO.-02 (SCHEDULE OF COMBINED & PAD FOOTING)

FOUNDATION TYPE	COLUMN UNDER	A	K	C	D	E	L	B	L1	L2	L3	L4	G	H	J	REINF. DETAILS FOR FOUNDATION BEAM		STIRRUPS FOR RIB BEAM (S1)	REINF. DETAILS FOR FOUNDATION SLAB				
																TOP	BOTT		TOP MAIN REINF. (P)	TOP DIST. REINF. (Q)	BOTT MAIN REINF. (R)	BOTT DIST. REINF. (S)	
F2	C3 + C5	350	300	1000	1650	650	440	2500	1250	1955	1196	—	75	75	650	600	3-16@	3-16@	6@150 C/C	12@150 C/C	12@150 C/C	12@150 C/C	12@150 C/C
F3	C9 + C13	.460	—	1200	1650	650	4175	1868	800	2575	800	—	75	75	—	—	—	—	16@150 C/C	16@150 C/C	16@150 C/C	16@150 C/C	16@150 C/C
F4	C7 + C8 + C11 + C12 + LIFT	450	—	1200	1650	650	5577	4755	675	580	3175	1147	75	75	—	—	—	—	16@150 C/C	16@150 C/C	16@150 C/C	16@150 C/C	16@150 C/C
F5	C14 + C17 + C18	450	—	1200	1650	650	3785	2995	503	2632	650	—	75	75	—	—	—	—	16@150 C/C	16@150 C/C	16@150 C/C	16@150 C/C	16@150 C/C



OFFICE USED:-

TITLE:-
COLUMN & FOOTING LAYOUT PLAN, SCHEDULE OF COLUMN, DETAILS OF STIRRUPS, DETAILS BEAM COLUMN JUNCTION, SECTION DETAILS OF FOOTING, SCHEDULE OF FOOTING.

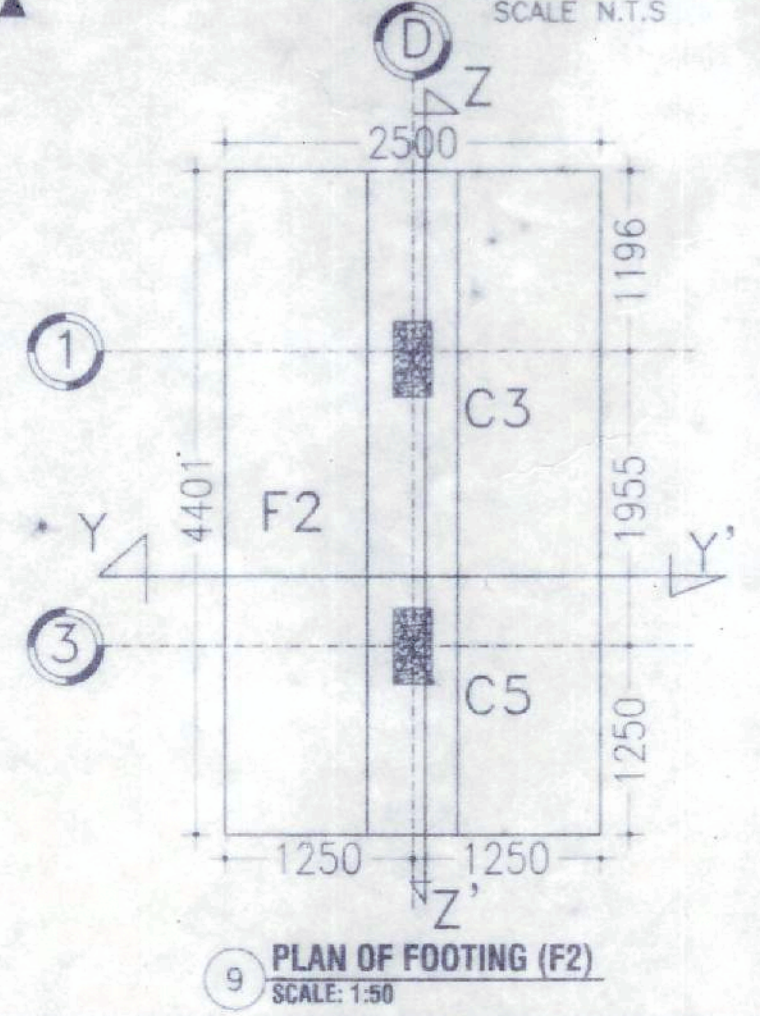
CERTIFICATE OF GEO-TECHNICAL ENGINEER:-
THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT.

MANOJ MAITY
Civil / Geotechnical Engineer
CE, MGS - LM4276
Lic. No. - LBPM/162/AMC
G.I.D.S., Durgapur - 16

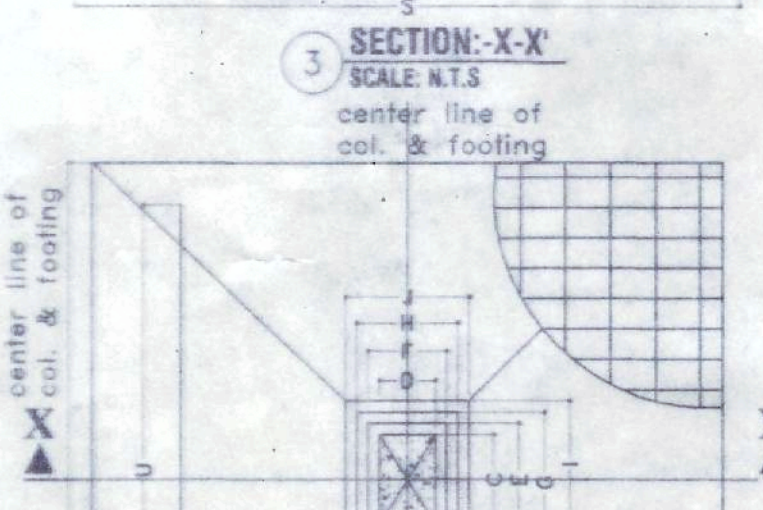


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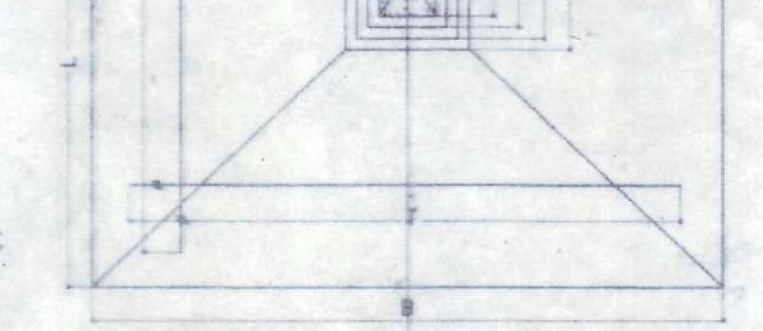
TYPICAL DETAIL OF BEAM COLUMN JUNCTION



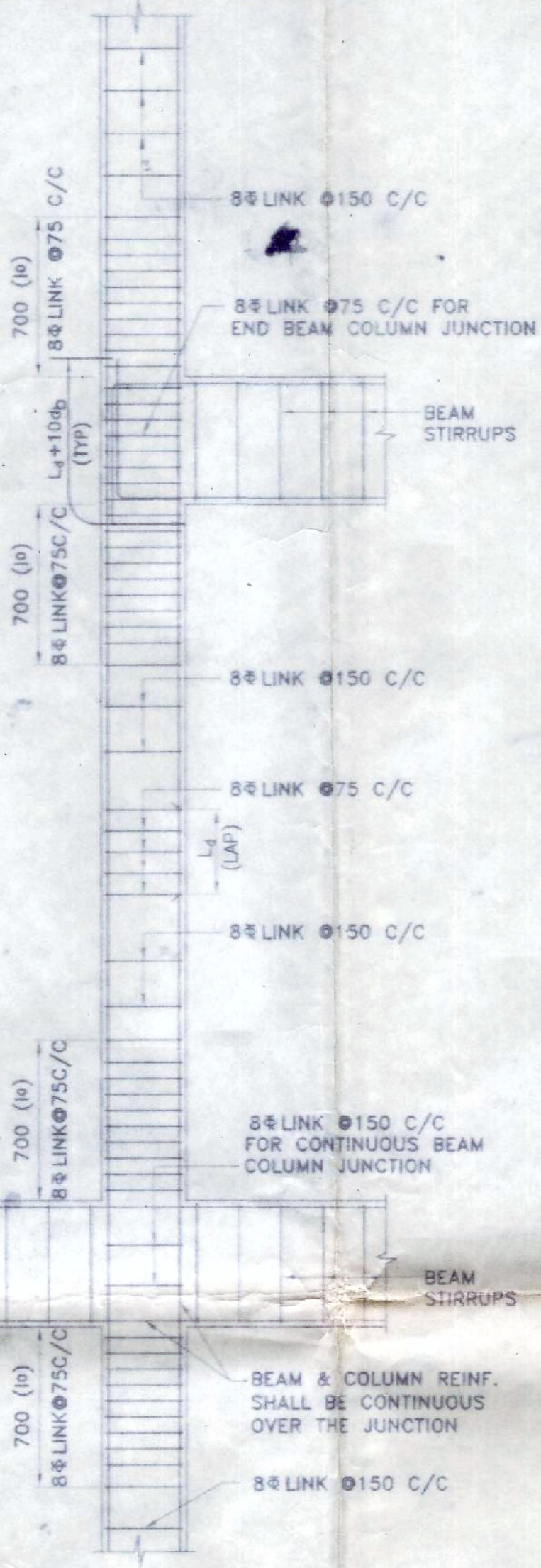
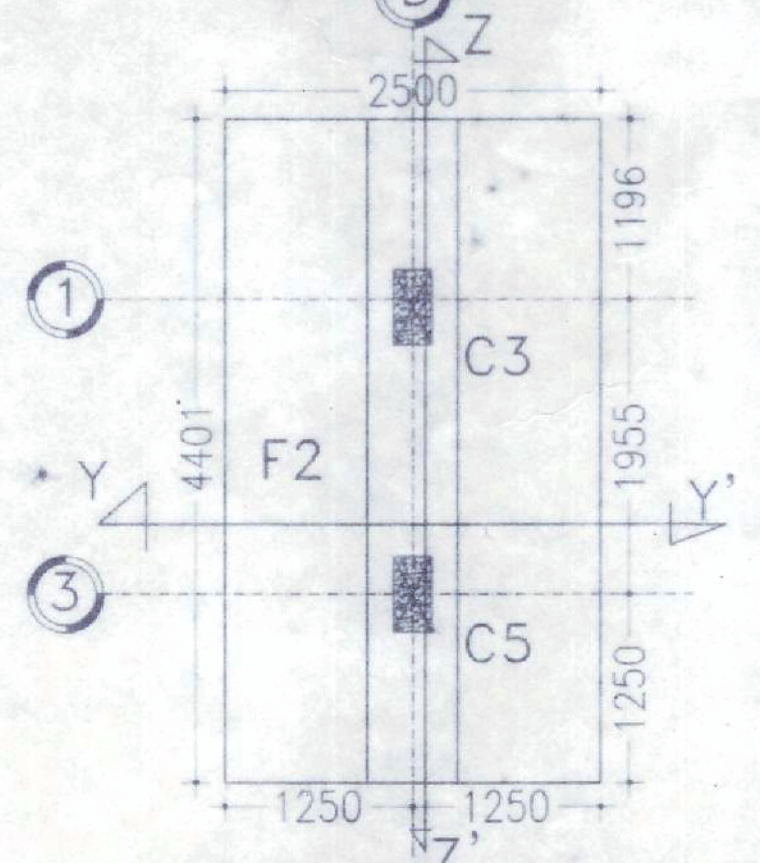
SECTION -X-X'



PLAN OF FOOTING (F1)



PLAN OF FOOTING (F2)



PROJECT NAME:-
STRUCTURAL DRAWING OF PROPOSED (G+4) FIVE STORED RESIDENTIAL CUM COMMERCIAL APARTMENT BUILDING OF SRI TAPAN KUNDU S/O LATE KALIRAM KUNDU (DEVELOPED BY AARYA DEVELOPER) OVER L.R. PLOT NO.-3060(P) & 3061(P), L.R. KHATIAN NO.-2654, MOUZA-ANDAL, J.L.NO.-52, P.S-ANDAL, DIST-PASCHIM BARDHAMAN.

- NOTES :-
- 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 architectural drawing to be coordinated for all levels. Structural level only (without finish), however architectural drawing to be coordinated for all levels.
 - Safe bearing capacity of soil taken=11.67/SOM
 - Grade of steel Fe 500.
 - Depth of foundation 1.65 m.
 - The top layer of reinforcement shall be placed over bot layer of reinforcement with chair of 10@par. @ 900 c/c.
 - At a time of construction ductile detailing must be followed as per IS:13920.
 - Blinder @ 200 C/C blinder for top & bot bar as required.
 - CONCRETE COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:-
a) Beam:-25 mm, b) Column:-40mm, c) Slab:-15mm, d) Footing:-50mm, e) R.C.C Wall:-20 mm, f) Stair:- 20mm.
 - Grade of concrete will be m30 for column and m25 for beam and sub structure as per IS:456:2000.
 - Development length 50d for top & splices should be provided as per the provisions laid down in SP34:1987.

SIGNATURE OF DEVELOPER/OWNER:-

SIGNATURE OF STRUCTURAL ENGINEER:-

The Structural Design and Drawing of Both Foundation and Super Structure 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 may be it is Safe and Stable in all Respect.

Hirok Ghosh
HIROK GHOSH
Structural Engineer
Lic No. - LBPM/162/AMC-DMC/BDP/165
DCE, B.TECH, G.I.D.S., Durgapur-16
Contact No. - 9332323331

CERTIFICATE & SIGNATURE OF ARCHITECT:-

I DO HEREBY CONFIRM AND CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME KEEPING THE PROVISION OF NBC OF INDIA AND CERTIFY THAT MAY BE IT IS SAFE & STABLE IN ALL RESPECT.

Hirok Ghosh
HIROK GHOSH
Consultant Civil Engineer - (G.I.D.S.-A)
Lic No. - LBPM/162/AMC-DMC/BDP/165
DCE, B.TECH, G.I.D.S., Durgapur-16
Contact No. - 9332323331

VETTED BY:-

DR. S. N. MUKHERJEE
Professor
CIVIL ENGINEERING DEPT.
JADAVPUR UNIVERSITY
KOLKATA-700032, (W.B.)

CHECKED BY : H.GHOSH SCALE : 1:100, 1:50 1:25, N.T.S.

DATE : 21.10.2019 REV-00

SHEET NO:- GIDS/STRU01-02

