COLUMN SCHEDULE (GRADE OF CONCRETE IS M-35 FOR COLUMNS MERGED WITH RETAINING WALL GRADE OF CONCRETE SHALL BE M25)

LEVEL	COL. MARK / DESCRIPTION	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25
ROOF FLOOR – FIRST FLOOR	SIZE																									
	REINF.																									
	SECTION																									
FIRST FLOOR – GROUND FLOOR	SIZE																									
	REINF.																									
	SECTION																									
GROUND FLOOR – TOP OF FDN.	SIZE	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	600X600	600X600	600X600	600X600	600X600	300X750	300X750	300X750	300X750	300X750	300X750	600X600	600X600
	REINF.	6-20a 8-20b 6-16c	6-20a 8-16b 6-16c	6-20a 8-20b 6-16c	6-25a 8-20b 6-16c	6-20a 14-16(b+c)	6-20a 8-20b 6-16c	6-25a 8-20b 6-16c	6-20a 8-20b 6-16c	6-20a 8-16b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-20a 8-16b 6-16c	12-25a 8-20b	12-25a 8-20b	12-20a 8-16b	12-20a 8-16b	4-25a 16-20b	6-25a 8-20b 6-16c	6-20a 8-20b 6-16c	6-20a 8-16b 6-16c	6-20a 8-20b 6-16c	6-20a 8-20b 6-16c	6-20a 8-20b 6-16c	12-25a 8-20b	4-25a 16-20b
	SECTION	G	G	G	G	G	G	G	G	G	G	G	G	W	W	W	W	W	G	G	G	G	G	G	W	W

COLUMN SCHEDULE (GRADE OF CONCRETE IS M-30 FOR COLUMNS MERGED WITH RETAINING WALL GRADE OF CONCRETE SHALL BE M25)

LEVEL	COL. MARK / DESCRIPTION	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
ROOF FLOOR – FIRST FLOOR	SIZE																									
	REINF.																									
	SECTION																									
FIRST FLOOR – GROUND FLOOR	SIZE						300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	450X750	450X750	450X750	450X750	450X750	300X750	450X750	450X750	450X750	450X750	450X750	300X750
	REINF.						6-25a 14-20 (b+c)	20-20 (a+b+c)	20-20 (a+b+c)	20-20 (a+b+c)	20-20 (a+b+c)	20-20 (a+b+c)	6-25a 14-20 (b+c)	20-25 (a+b+c)	18-28 (a+b) 6-25c	10-28a 14-25 (b+c)	10-28a 14-25 (b+c)	18-28 (a+b) 6-25c	18-28 (a+b) 6-25c	20-25 (a+b+c)	10-28a 14-25 (b+c)	10-28a 14-25 (b+c)	10-28a 14-25 (b+c)	24-28 (a+b+c)	24-28 (a+b+c)	20-25 (a+b+c)
	SECTION						G	G	G	G	G	G	G	G	Z	Z	Z	Z	Z	G	Z	Z	Z	Z	Z	G
GROUND FLOOR – TOP OF FDN.	SIZE	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	450X750	450X750	450X750	450X750	450X750	300X750	450X750	450X750	450X750	450X750	450X750	300X750
	REINF.	6-25a 8-20b 6-16c	6-25a 14-20(b+c)	6-20a 8-20b 6-16c	6-20a 8-20b 6-16c	14-25(a+b) 6-20c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-20a 8-20b 6-16c	6-20a 8-20b 6-16c	6-20a 8-20b 6-16c	6-20a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-25b 6-20c	10-25a 8-25b 6-20c	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 8-25b 6-20c	10-25a 8-25b 6-20c	6-25a 8-20b 6-20c	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 8-25b 6-20c	10-25a 8-25b 6-20c	6-25a 14-20 (b+c)
	SECTION	G	G	G	G	G	G	G	G	G	G	G	G	G	Z	Z	Z	Z	Z	G	Z	Z	Z	Z	Z	G

R2

COLUMN SCHEDULE (GRADE OF CONCRETE IS M-35 FOR COLUMNS MERGED WITH RETAINING WALL GRADE OF CONCRETE SHALL BE M25)

LEVEL	COL. MARK / DESCRIPTION	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	C70	C71	C72	C73	C74	C75
ROOF FLOOR – FIRST FLOOR	SIZE																									
	REINF.																									
	SECTION																									
FIRST FLOOR – GROUND FLOOR	SIZE	450X750	450X750	450X750	450X750	450X750	450X750	450X750	450X750	450X750	450X750	450X750	300X750	450X750	450X750	450X750	450X750	450X750	300X450	450X450	450X450	450X450	300X750	300X750	300X750	300X750
	REINF.	24-25 (a+b+c)	24-25 (a+b+c)	24-25 (a+b+c)	24-25 (a+b+c)	10-28a 14-25 (b+c)	14-25 (a+b) 6-20c	10-28a 14-25 (b+c)	10-28a 14-25 (b+c)	10-28a 14-25 (b+c)	24-28 (a+b+c)	24-28 (a+b+c)	20-25 (a+b+c)	24-25 (a+b+c)	24-25 (a+b+c)	24-25 (a+b+c)	24-25 (a+b+c)	10-28a 14-25 (b+c)	12-25 (a+b)	16-25 (a+b)	16-25 (a+b)	16-25 (a+b)	6-25a 14-20 (b+c)	20-20 (a+b+c)	20-20 (a+b+c)	20-20 (a+b+c)
	SECTION	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	G	Z	Z	Z	Z	Z	CC	Y	Y	Y	G	G	G	G
GROUND FLOOR – TOP OF FDN.	SIZE	450X750	450X750	450X750	450X750	450X750	300X750	450X750	450X750	450X750	450X750	450X750	300X750	450X750	450X750	450X750	450X750	450X750	300X750	450X750	450X750	450X750	300X750	300X750	300X750	300X750
	REINF.	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	6-25a 8-20b 6-20c	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 8-25b 6-20c	10-25a 8-25b 6-20c	6-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	6-25a 14-20 (b+c)	10-25a 8-20b 6-16c	10-25a 8-20b 6-16c	10-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-20a 8-20b 6-16c	6-20a 8-20b 6-16c	6-25a 8-20b 6-16c
	SECTION	Z	Z	Z	Z	Z	G	Z	Z	Z	Z	Z	G	Z	Z	Z	Z	Z	G	Z	Z	Z	G	G	G	G

R2

COLUMN SCHEDULE (GRADE OF CONCRETE IS M-35 FOR COLUMNS MERGED WITH RETAINING WALL GRADE OF CONCRETE SHALL BE M25)

LEVEL	COL. MARK / DESCRIPTION	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C86	C87	C88	C89	C90	C91	C92	C93	C94	C95	C96	C97	C98	C99	C100
ROOF FLOOR – FIRST FLOOR	SIZE																									
	REINF.																									
	SECTION																									
FIRST FLOOR – GROUND FLOOR	SIZE	300X750	450X750	450X750	450X750	450X750	450X750	300X750	300X750	450X750	450X750	450X750	450X750	450X750	300X750	300X750	450X750	450X750	450X750	450X750	450X750	300X750	300X750	300X750	300X750	450X450
	REINF.	6-25a 14-20 (b+c)	24-28 (a+b+c)	24-28 (a+b+c)	10-28a 14-25 (b+c)	10-28a 14-25 (b+c)	24-28 (a+b+c)	20-25 (a+b+c)	20-25 (a+b+c)	24-28 (a+b+c)	24-28 (a+b+c)	10-28a 14-25 (b+c)	10-28a 14-25 (b+c)	10-28a 14-25 (b+c)	20-25 (a+b+c)	14-25(a+b) 6-20c	24-28 (a+b+c)	24-28 (a+b+c)	10-28a 14-25 (b+c)	10-28a 14-25 (b+c)	10-28a 14-25 (b+c)	20-25 (a+b+c)	14-25(a+b) 6-20c	20-25 (a+b+c)	14-25(a+b) 6-20c	16-25 (a+b)
	SECTION	G	Z	Z	Z	Z	Z	G	G	Z	Z	Z	Z	Z	G	G	Z	Z	Z	Z	Z	G	G	G	G	Y
GROUND FLOOR – TOP OF FDN.	SIZE	300X750	450X750	450X750	450X750	450X750	450X750	300X750	300X750	450X750	450X750	450X750	450X750	450X750	300X750	300X750	450X750	450X750	450X750	450X750	450X750	300X750	300X750	300X750	300X750	450X750
	REINF.	6-25a 8-20b 6-16c	10-25a 8-25b 6-20c	10-25a 8-25b 6-20c	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 8-25b 6-20c	6-25a 8-25b 6-20c	6-25a 14-20 (b+c)	10-25a 8-25b 6-20c	10-25a 8-25b 6-20c	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	6-25a 8-25b 6-20c	6-25a 14-20 (a+b)	10-25a 8-25b 6-20c	10-25a 8-25b 6-20c	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	10-25a 14-20 (b+c)	6-25a 8-25b 6-20c	6-25a 14-20 (b+c)	6-25a 8-25b 6-20c	6-25a 14-20 (b+c)	10-25a 8-20b 6-16c
	SECTION	G	Z	Z	Z	Z	Z	G	G	Z	Z	Z	Z	Z	G	G	Z	Z	Z	Z	Z	G	G	G	G	Z

R2

COLUMN SCHEDULE (GRADE OF CONCRETE IS M-35 FOR COLUMNS MERGED WITH RETAINING WALL GRADE OF CONCRETE SHALL BE M25)

LEVEL	COL. MARK / DESCRIPTION	C101	C102	C103	C104	C105	C106	C107	C108	C109	C110	C111	C112	C113	C114	C115	C116	C117	C118	C119	C120	C121	C122	C123	C124	C125	C126
ROOF FLOOR – FIRST FLOOR	SIZE																										
	REINF.																										
	SECTION																										
FIRST FLOOR – GROUND FLOOR	SIZE	450X450	450X450	450X450	450X450	450X450	300X750									300X750	300X750	300X450	300X450								
	REINF.	16-25 (a-b)	16-25 (a-b)	16-25 (a-b)	16-25 (a-b)	16-25 (a-b)	20-25 (a+b+c)									20-25 (a+b+c)	20-25 (a+b+c)	12-25 (a-b)	12-25 (a-b)								
	SECTION	Y	Y	Y	Y	Y	G									G	G	CC	CC								
GROUND FLOOR – TOP OF FDN.	SIZE	450X750	450X750	450X750	450X750	450X750	300X750	300X750	300X750	300X750	300X750	600X600	600X600	600X600	600X600	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	600X600	600X600	300X750	600X600
	REINF.	10-25a 8-20b 6-16c	10-25a 8-20b 6-16c	10-25a 8-20b 6-16c	10-25a 8-20b 6-16c	10-25a 8-20b 6-16c	6-25a 8-25b 6-20c	14-25(a+b) 6-20c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 14-20(b+c)	12-25a 8-20b	12-25a 8-20b	12-25a 8-20b	12-25a 8-20b	14-25(a+b) 6-20c	14-25(a+b) 6-20c	14-25(a+b) 6-20c	14-25(a+b) 6-20c	6-25a 8-20b 6-16c	6-25a 14-20(b+c)	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	12-25a 8-20b	12-25a 8-20b	6-25a 8-20b 6-16c	12-25a 8-20b
	SECTION	Z	Z	Z	Z	Z	G	G	G	G	G	W	W	W	W	G	G	G	G	G	G	G	G	W	W	G	W

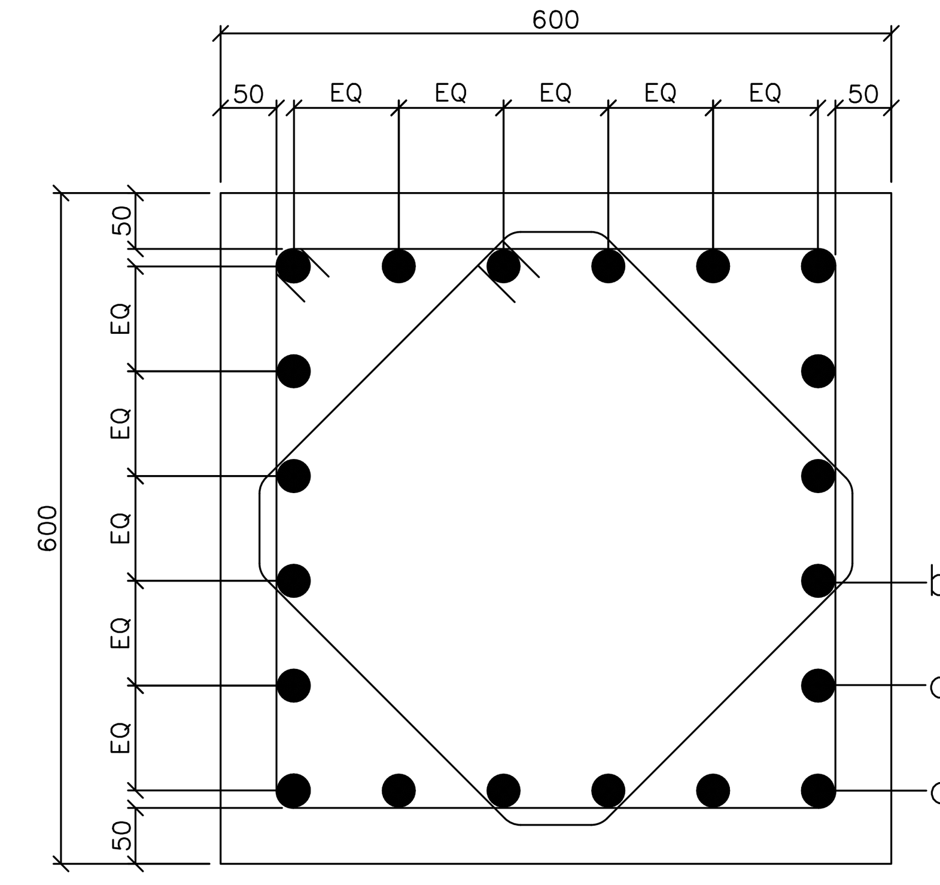
R2 R2

COLUMN SCHEDULE (GRADE OF CONCRETE IS M-35 FOR COLUMNS MERGED WITH RETAINING WALL GRADE OF CONCRETE SHALL BE M25)

LEVEL	COL. MARK / DESCRIPTION	C127	C128	C129	C130	C131	C132	C133	C134	C135	C136	C137	C138	C139	C140	C141	C142	C143	C144	C145	C146	C147	C148	C149	C150	C151	C152
ROOF FLOOR – FIRST FLOOR	SIZE				↑	↑	↑	300X750	↑	↑	↑	↑	↑	300X750	200X600	↑	↑	↑	↑	↑							
	REINF.							20-20 (a+b+c)						20-20 (a+b+c)	14-20 (a+b)												
	SECTION							G						G	AA												
FIRST FLOOR – GROUND FLOOR	SIZE				300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	200X600	300X450	300X450	300X450	300X450	300X450							
	REINF.				6-25a 14-20 (b+c)	20-20 (a+b+c)	20-20 (a+b+c)	6-25a 14-20 (b+c)	20-20 (a+b+c)	20-20 (a+b+c)	6-25a 14-20 (b+c)	20-20 (a+b+c)	6-25a 14-20 (b+c)	6-25a 14-20 (b+c)	4-25a 10-20 (b+c)	12-25 (a+b)	12-25 (a+b)	12-25 (a+b)	12-25 (a+b)	12-25 (a+b)							
	SECTION				G	G	G	G	G	G	G	G	G	G	AA	CC	CC	CC	CC	CC							
GROUND FLOOR – TOP OF FDN.	SIZE	600X600	600X600	600X600	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	200X600	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750	300X750
	REINF.	12-25a 8-20b	12-25a 8-20b	12-25a 8-20b	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	14-20 (a+b)	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	14-25(a+b) 6-20c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	6-25a 8-20b 6-16c	14-25(a+b) 6-20c	14-25(a+b) 6-20c
	SECTION	W	W	W	G	G	G	G	G	G	G	G	G	G	AA	G	G	G	G	G	G	G	G	G	G	G	G

R2

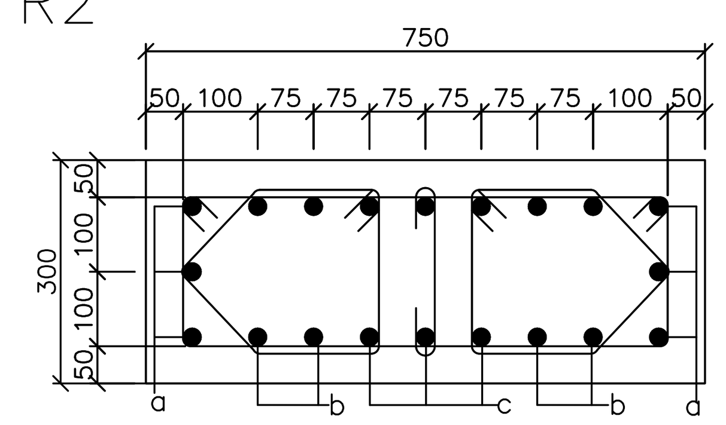
NOTE:- GRAD OF CONC. SHALL BE M30 FOR REVISION R2



(4a+16b/12a+8b)

(TIES Ø 10@100/ Ø 8@150 AS/ COL. ELEVATION)

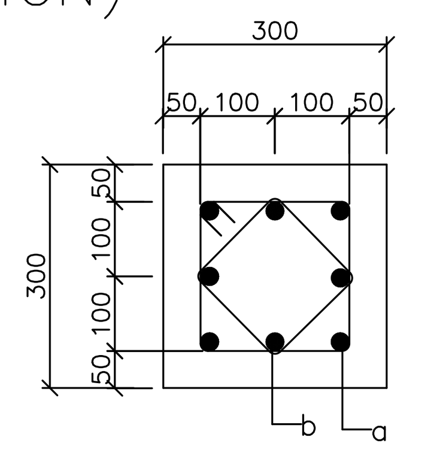
W



(6a+8b+6c)

(TIES Ø 8@100/ Ø 8@150 AS/ COL. ELEVATION)

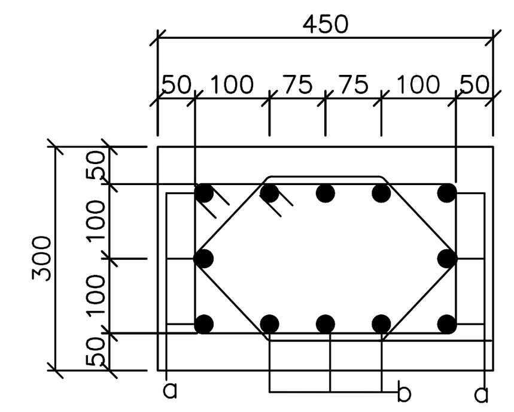
G



(4a+4b)

(TIES Ø 8@100/ Ø 8@150 AS/ COL. ELEVATION)

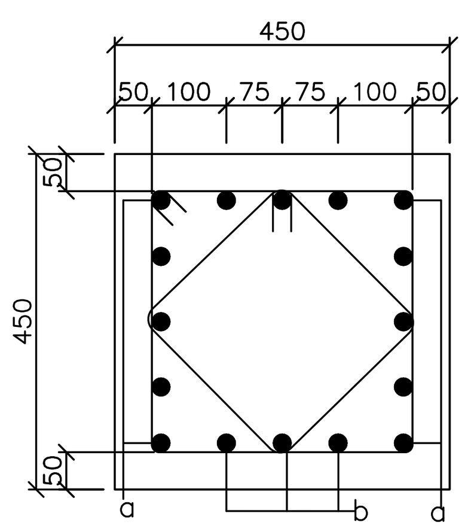
B B



(6a+6b)

(TIES Ø 8@100/ Ø 8@150 AS/ COL. ELEVATION)

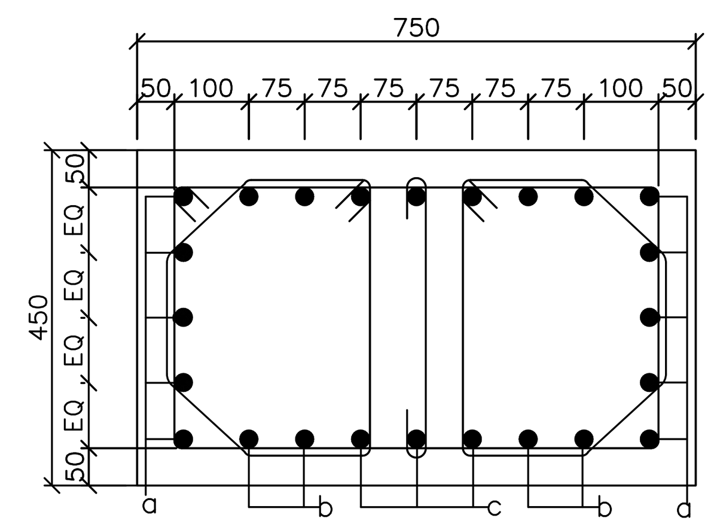
C C



(4a+12b)

(TIES Ø 8@100/ Ø 8@150 AS/ COL. ELEVATION)

Y



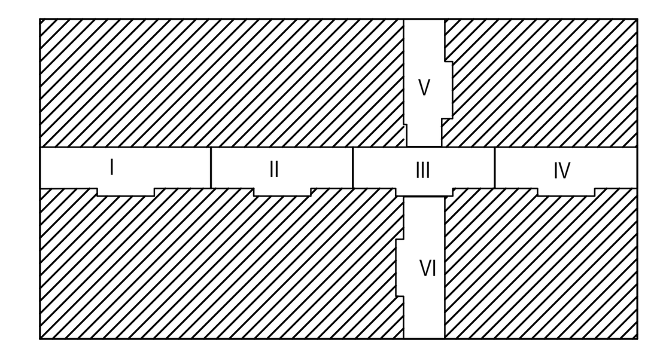
(10a+8b+6c)

(TIES Ø 8@100/ Ø 8@150 AS/ COL. ELEVATION)

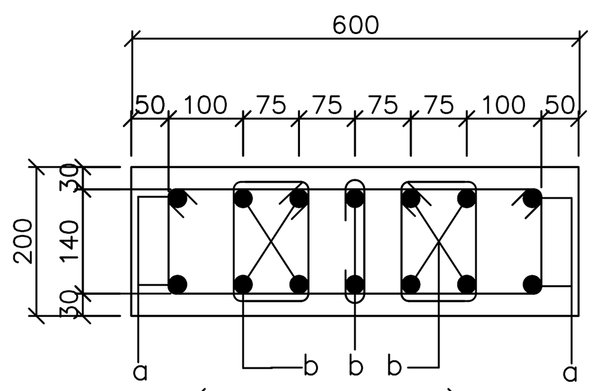
Z

GENERAL NOTES :

1. THIS DRAWING AND DESIGN IS THE PROPERTY OF THE DESIGNERS. NO PORTION MAY BE USED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION
2. ALL DIMENSIONS ARE TO BE VERIFIED ONSITE BY THE CONTRACTOR. ANY DISCREPENCIES ARE TO BE REPORTED TO THE DESIGNERS IMMEDIATELY.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATIONS AND CONDITIONS OF CONTRACT.
4. DRAWINGS NOT SHOWING THE LATEST REVISIONS ARE TO BE CANCELLED.
5. ALL DIMENSIONS ARE TO BE READ NOT SCALED.
6. ALL INDICATED LEVELS ARE FINISHED LEVELS UNLESS NOTED OTHERWISE.
7. IF IN DOUBT PLEASE ASK & DO NOT ASSUME
8. FOR COLUMN DETAILS REFER DRAWING NO.S-COL-01



KEY PLAN



(4a+10b)

(TIES Ø 8@100/ Ø 8@150 AS/ COL. ELEVATION)

A A

REVISIONS	NO.	DATE
CLIENT /MORPHOGENESIS	R1	08-02-08
REINFORCEMENT AS SHOWN	R2	15-04-09

PRINTS ISSUED TO	NO.	DATE
CLIENT /MORPHOGENESIS	5,1	19-08-06
CLIENT /MORPHOGENESIS	5,1	08-02-08
CLIENT /MORPHOGENESIS	5,1	15-04-09

ARCHITECT

MORPHOGENESIS ARCHITECTURE STUDIO
N-85 b, PANCHSHEEL PARK, NEW DELHI 110017
Tel: +91 11 41828070, Fax: +91 11 26490351
E-mail : studio@morphogenesis.org

CONSULTING STRUCTURAL ENGINEER

BMSF Design Consultants Pvt. Ltd.
13A, BHAWANI KUNJ,BEHIND D2,
VASANT KUNJ,NEW DELHI-110070.
MOBILE- 9810053542,9818050997,9810411020,9818404291.
PH. - 011-41711821.
e-mail - sahni_a@rediffmail.com
e-mail - sahni_a@rediffmail.com

CONSULTING HVAC, ELECTRICAL & PLUMBING ENGINEERS

ENER SAVE CONSULTANTS PVT. LTD
(ELECTRO-MECHANICAL CONSULTING ENGINEERS)
ASSOCIATE OFFICE :- 2260 ARGENTIA ROAD, 2ND FLOOR, MISSISSAUGA ONTARIO L5N 6H7, CANADA TEL: (905) 542-7211 FAX: (905) 542-7622 E-Mail: mail@jainassoc.com
INDIA OFFICE :- 705, MADHUBAN BUILDING, 55, NEHRU PLACE, NEW DELHI-110019 (INDIA) TEL: (0091) 011-26280700,1,2 FAX: (0091) 011-26280703 E-Mail: enersave@vsnl.com

CLIENT

M/S. ROHTAS PROJECTS LTD.

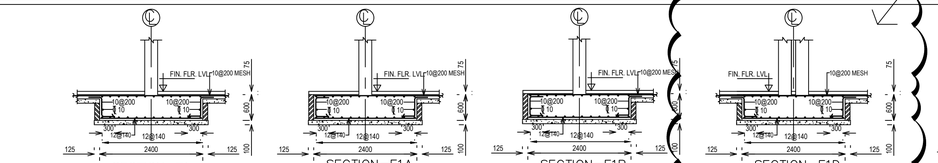
PROJECT

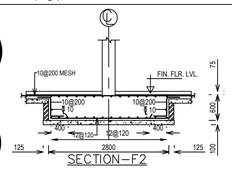
PROPOSED COMMERCIAL & GROUP HOUSING COMPLEX ON PLOT NO-TC/G-4/4 AT VIBHUTI KHAND GOMIT NAGAR, LUCKNOW.

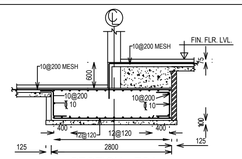
Drawing Title

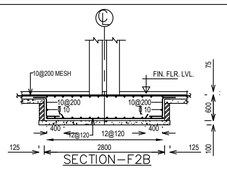
COLUMN DETAILS

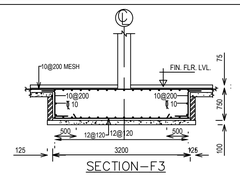
Drawing No.	REVISION	North
S- COL-05	R2	
Scale 1:200	Proj.No 878	
Date 08-02-08		
Dealt by Naresh	Checked By Arif.	

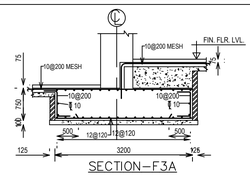


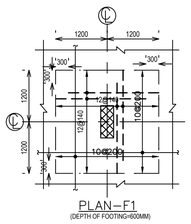




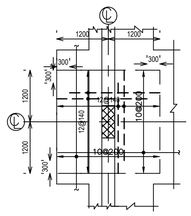




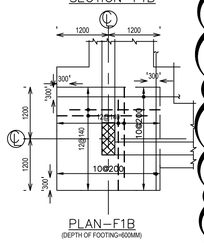




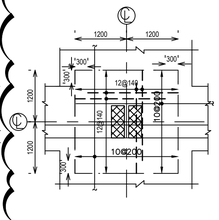
(DEPTH OF FOOTING=600MM)



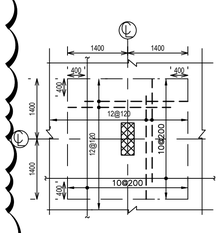
(DEPTH OF FOOTING=600MM)



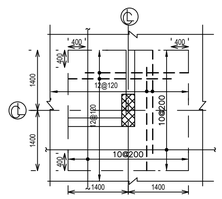
(DEPTH OF FOOTING=600MM)



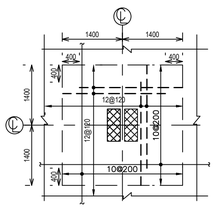
(DEPTH OF FOOTING=600MM)



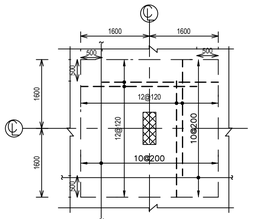
(DEPTH OF FOOTING=600MM)



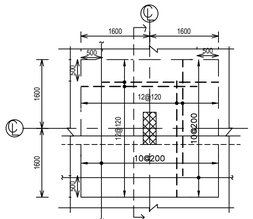
(DEPTH OF FOOTING=600MM)



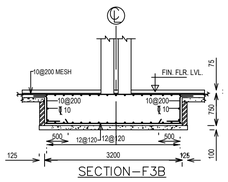
(DEPTH OF FOOTING=600MM)

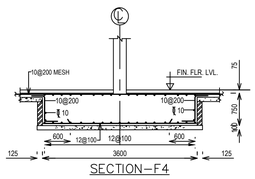


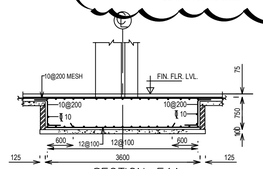
(DEPTH OF FOOTING=750MM)

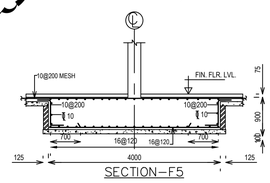


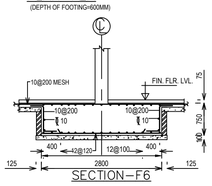
(DEPTH OF FOOTING=750MM)

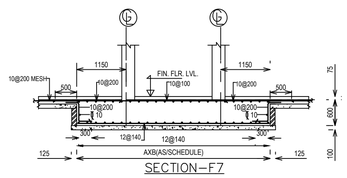


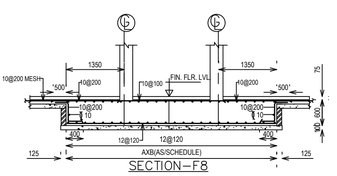


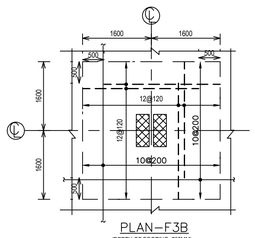




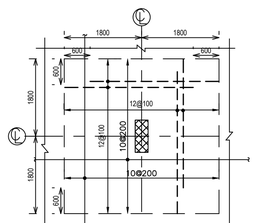




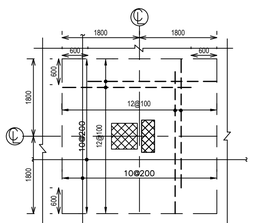




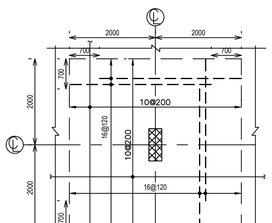
(DEPTH OF FOOTING=750MM)



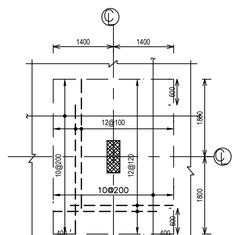
(DEPTH OF FOOTING=750MM)



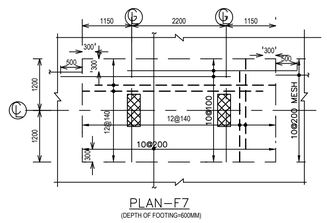
(DEPTH OF FOOTING=750MM)



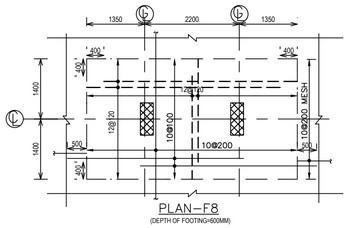
(DEPTH OF FOOTING=900MM)



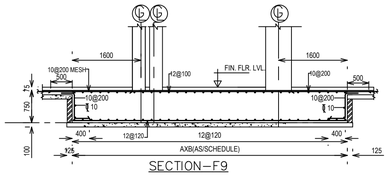
(DEPTH OF FOOTING=750MM)

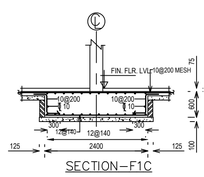


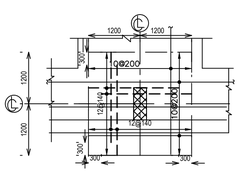
(DEPTH OF FOOTING=600MM)



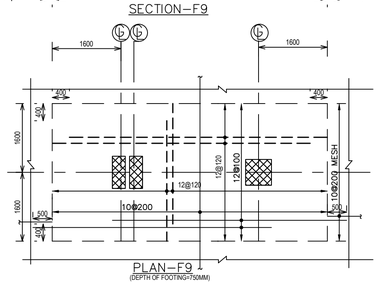
(DEPTH OF FOOTING=600MM)



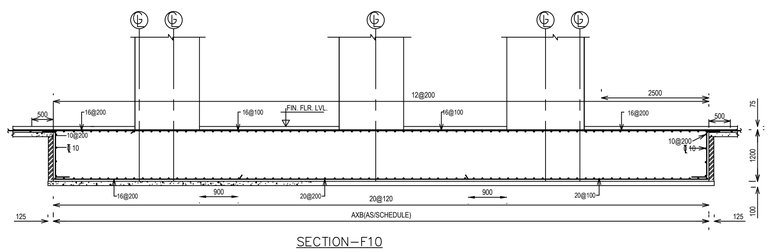


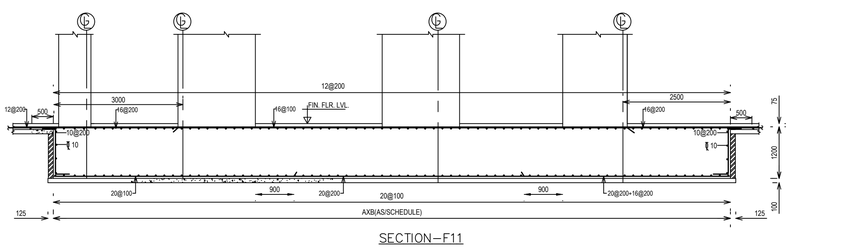


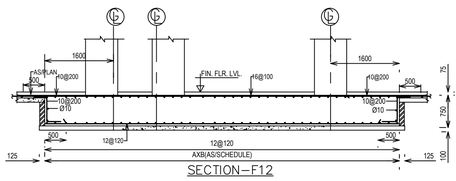
(DEPTH OF FOOTING=600MM)

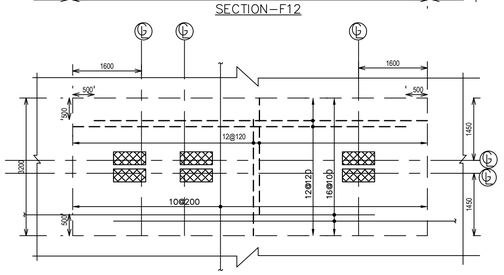


(DEPTH OF FOOTING=750MM)









(DEPTH OF FOOTING=750MM)

(DEPTH OF FOOTING=1200MM)

(DEPTH OF FOOTING=1200MM)

GENERAL NOTES :

1. THIS DRAWING AND DESIGN IS THE PROPERTY OF THE DESIGNERS. NO PORTION MAY BE USED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION
2. ALL DIMENSIONS ARE TO BE VERIFIED ONSITE BY THE CONTRACTOR. ANY DISCREPENCIES ARE TO BE REPORTED TO THE DESIGNERS IMMEDIATELY.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATIONS AND CONDITIONS OF CONTRACT.
4. DRAWINGS NOT SHOWING THE LATEST REVISIONS ARE TO BE CANCELLED.
5. ALL DIMENSIONS ARE TO BE READ NOT SCALED.
6. ALL INDICATED LEVELS ARE FINISHED LEVELS UNLESS NOTED OTHERWISE.
7. IF IN DOUBT PLEASE ASK & DO NOT ASSUME

REVISIONS	NO.	DATE
XXXXXXXX	XX	XX

PRINTS ISSUED TO	NO.	DATE
CLIENT /MORPHOGENESIS	5,1	29–07–06

ARCHITECT

MORPHOGENESIS
ARCHITECTURE STUDIO

9/3 SARVAPRIYA VIHAR, NEW DELHI 110016
Tel: +91 11 51828070, Fax: +91 11 26516100
E–mail : studio@morphogenesis.org

CONSULTING STRUCTURAL ENGINEER

BMSF Design Consultants Pvt. Ltd.

13A, BHAWANI KUNJ,BEHIND D2,
VASANT KUNJ,NEW DELHI-110070.
MOBILE- 9810053542,9818050997,9810411020.
e-mail - sahni_a@rediffmailmail.com

CONSULTING HVAC, ELECTRICAL & PLUMBING ENGINEERS

ENER SAVE CONSULTANTS P
(ELECTRO–MECHANICAL CONSULTING ENGINEERS)

ASSOCIATE OFFICE :–
2260 ARGENTIA ROAD,
2ND FLOOR, MISSISSAUGA
ONTARIO L5N 6H7, CANADA
TEL: (905) 542–7211
FAX: (905) 542–7622
E–Mail: mail@jalnasso.com

INDIA OFFICE :–
705, MADHUBAN BHAWAN,
58, NEHRU PLACE,
NEW DELHI–110019 (INDIA)
TEL: (0091) 011–26280700,1,2
FAX: (0091) 011–26280703
E–Mail: enersave@vsnl.com

CLIENT

M/S. ROHTAS PROJECTS LTD.

PROJECT

PROPOSED COMMERCIAL & GROUP HOUSING COMPLEX ON PLOT NO-TC/G-4/4 AT VIBHUTI KHAND GOMIT NAGAR, LUCKNOW.

Drawing Title

FOUNDATION DETAILS

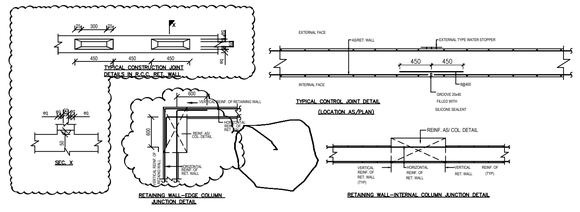
Drawing No.			North
S–FDN, 02			
Scale	1:150	Proj.No	
Date	29–07–06	878	
Dealt by	Naresh	Checked By	Arif

FOUNDATION PLAN

ADVANCE COPY

FOOTING SCHEDULE (GRADE OF CONCRETE SHALL BE–M25)

FOOTING MARK	DIMENSIONS A	B	D	REINFORCEMENT Ra	Rb	Rc	Rd	FOOTING TYPE
F1	2400	2400	600	12@140	12@140	–	–	1
F2	2800	2800	600	12@120	12@120	–	–	1
F3	3200	3200	750	12@120	12@120	–	–	1
F4	3600	3600	750	12@100	12@100	–	–	1
F5	4000	4000	900	16@120	16@120	–	–	1
F6	2800	3600	750	12@100	12@120	–	–	1
F7	2400	as/plan	600	12@140	12@120	10@200	10@100	2
F8	2800	as/plan	600	12@120	12@120	10@200	10@100	2
F9	3200	as/plan	750	12@100	12@100	10@200	12@100	2
F10	5600	as/plan	1200	as/detail	as/detail	as/detail	as/detail	2
F11	6400	as/plan	1200	as/detail	as/detail	as/detail	as/detail	2
F12	3200	as/plan	750	12@120	12@120	10@200	10@100	2
F2A	2800	2800	600	12@120	12@120	–	–	1
F3A	3200	3200	750	12@120	12@120	–	–	1



GENERAL NOTES :

1. THIS DRAWING AND DESIGN IS THE PROPERTY OF THE DESIGNERS. NO PORTION MAY BE USED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION
2. ALL DIMENSIONS ARE TO BE VERIFIED ONSITE BY THE CONTRACTOR. ANY DISCREPENCIES ARE TO BE REPORTED TO THE DESIGNERS IMMEDIATELY.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATIONS AND CONDITIONS OF CONTRACT.
4. DRAWINGS NOT SHOWING THE LATEST REVISIONS ARE TO BE CANCELLED.
5. ALL DIMENSIONS ARE TO BE READ NOT SCALED.
6. ALL INDICATED LEVELS ARE FINISHED LEVELS UNLESS NOTED OTHERWISE.

REVISIONS	NO.	DATE
XXXXXXXX	XX	XX

PRINTS ISSUED TO	NO.	DATE
CLIENT /MORPHOGENESIS	5,1	--07--06

ARCHITECT
MORPHOGENESIS
ARCHITECTURE STUDIO
9/3 SARVAPRIYA VIHAR, NEW DELHI 110016
Tel: +91 11 51828070, Fax: +91 11 26516100
E-mail : studio@morphogenesis.org

CONSULTING STRUCTURAL ENGINEER
BMSF Design Consultants Pvt. Ltd.
13A, BHAWANI KUNJ,BEHIND D2,
VASANT KUNJ,NEW DELHI-110070.
MOBILE: 9810053542,9818050997,9810411020,9818404291, 011- 41771821.
e-mail - sahni_a@rediffmailmail.com

CONSULTING HVAC, ELECTRICAL & PLUMBING ENGINEERS
ENER SAVE CONSULTANTS PVT. LTD.
(ELECTRO–MECHANICAL CONSULTING ENGINEERS)
ASSOCIATE OFFICE :–
2260 ARGENTIA ROAD,
2ND FLOOR, MISSISSAUGA
ONTARIO L5N 6H7, CANADA
TEL: (905) 542–7211
FAX: (905) 542–7622
E–Mail: mail@jalnassoc.com
INDIA OFFICE :–
705, MADHUSHA BUILDING,
55, NEHRU PLACE,
NEW DELHI–110019 (INDIA)
TEL: (0091) 011–26280700,1,2
FAX: (0091) 011–26280703
E–Mail: enersave@vsnl.com

CLIENT
M/S. ROHTAS PROJECTS LTD.

PROJECT

PROPOSED COMMERCIAL & GROUP HOUSING COMPLEX ON PLOT NO-TC/G-4/4 AT VIBHUTI KHAND GOMIT NAGAR, LUCKNOW.

Drawing Title

FOUNDATION PLAN

Drawing No.		North
S –02		
Scale	1:250	Proj.No
Date	--07--06	878
Dealt by Naresh		Checked By Arif.

DEPARTMENT OF CIVIL ENGINEERING
INSTITUTE OF ENGINEERING & TECHNOLOGY
अभियांत्रिकी एवं प्रौद्योगिकी संस्थान, लखनऊ
(An Autonomous Constituent Institute of Dr. APJ Abdul Kalam Technical University, U.P., Lucknow)

Prof. (Dr.) Virendra Pathak
Professor & Head, Civil Engineering Department

E-mail: virendra.pathak@ietlucknow.ac.in
Mob: 8840553496

Ref. No. IET/CE/VP/2025-27

Dated: 14.06.2025

TO WHOM IT MAY CONCERN

This has reference to the structural design/drawings, prepared and submitted by M/s Jyoti Consultant, C-93, Sector-K, Aliganj, Lucknow for vetting of proposed construction of two Commercial building at Existing Commercial Complex of Rohtas Group Housing on Plot no. TC/G-4/4 at Vibhutikhand, Gomtinagar, Lucknow.

The submitted design/drawings (enclosed) have been vetted and found correct, it fulfils all the requirements of related BIS codes.

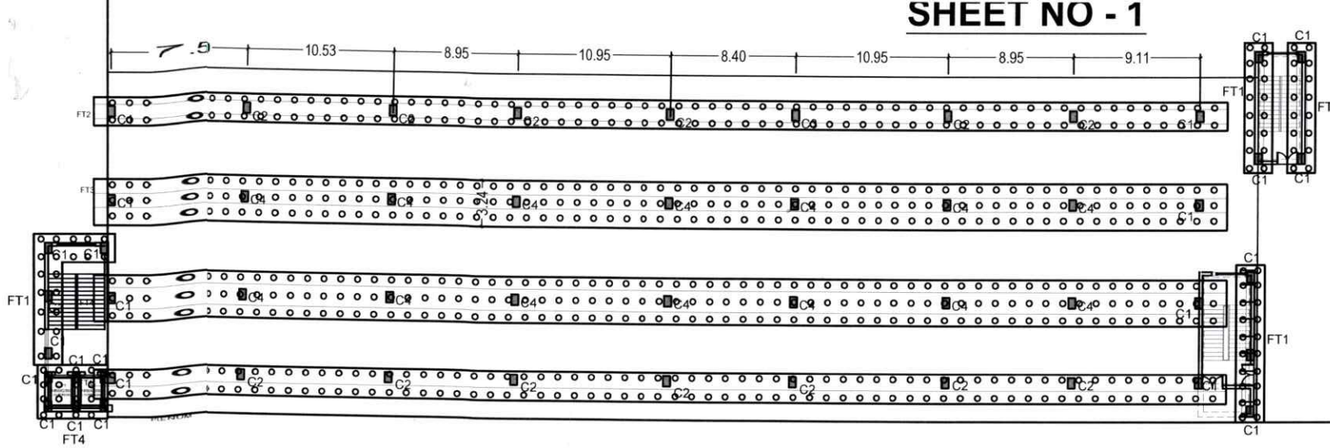
(Dr. Sachin Kumar Singh)

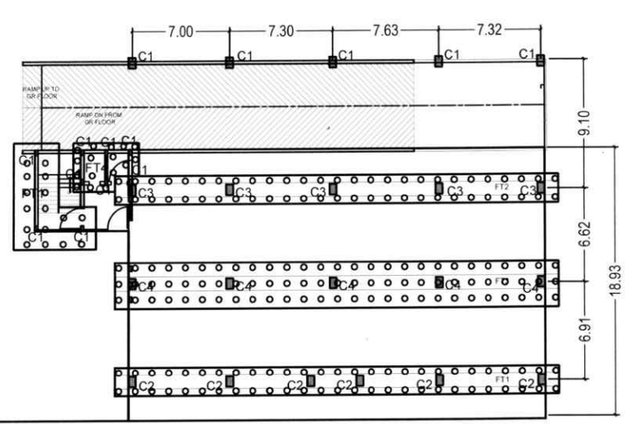
Dr. Sachin Kumar Singh
Phd (Structures)
Asst. Prof., CED IET, Lucknow

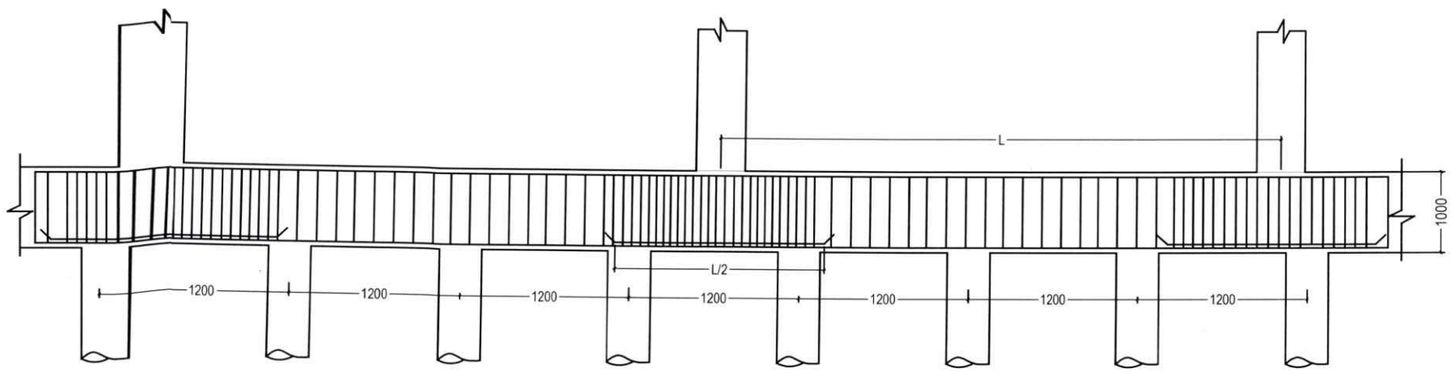
(Dr. Virendra Pathak)

Dr. Virendra Pathak
Professor & Head, Civil Engineering Department
Institute of Engineering & Technology, Lucknow

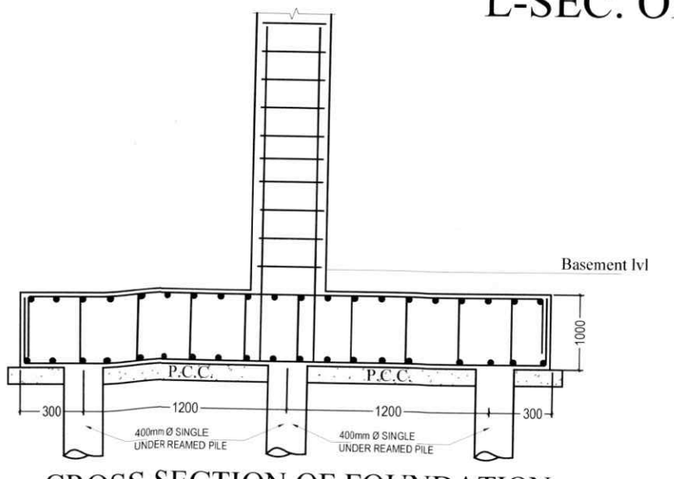
SHEET NO - 1



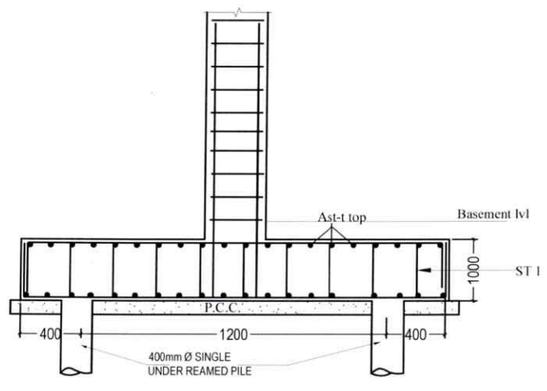




L-SEC. OF SECTION OF FOUNDATION

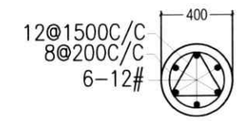


CROSS SECTION OF FOUNDATION
FOR FT3 & FT4

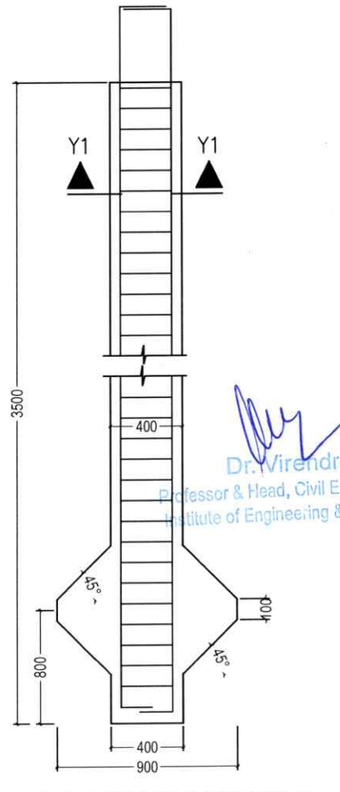


CROSS SECTION OF FOUNDATION
FOR FT1 & FT2

S. NO.	TYPE OF FOUNDATION	WIDTH AND DEPTH OF FOUNDATION IN MM	DIA OF MAIN BAR IN MM	NO / SPACING BAR IN MM	DIA OF RING IN MM	SPACING OF RING IN MM	REMARKS
1.	FT1	WIDTH=2000 DEPTH=1000	25	17 NO. ON BOTH FACE 16 NO. 6000 CUT AT THE BOTTOM BELOW COLUMN	10	10 LEGGED STRRUPS C/C SPACING 100 IN L/4 FROM SUPPORT IN REST PORTION 200	
2.	FT2	WIDTH=2000 DEPTH=1000	25	19 NO. ON BOTH FACE 18 NO. 6000 CUT AT THE BOTTOM BELOW COLUMN	10	10 LEGGED STRRUPS C/C SPACING 100 IN L/4 FROM SUPPORT IN REST PORTION 200	
3.	FT3	WIDTH=3000 DEPTH=1000	25	19 NO. ON BOTH FACE 18 NO. 6000 CUT AT THE BOTTOM BELOW COLUMN	10	10 LEGGED STRRUPS C/C SPACING 100 IN L/4 FROM SUPPORT IN REST PORTION 200	
4.	FT4	WIDTH=3000 DEPTH=1000	25	23 NO. ON BOTH FACE 22 NO. 6000 CUT AT THE BOTTOM BELOW COLUMN	10	10 LEGGED STRRUPS C/C SPACING 100 IN L/4 FROM SUPPORT IN REST PORTION 200	



SEC. AT Y1-Y1



CROSS SECTION OF PILE

Checked & ok
Dr. Sachin Kumar Singh
Phd (Structures)
Asst. Prof., CED IET, Lucknow

NOTES

1. ALL DIMENSIONS ARE IN M.M. UNLES OTHERWISE MENTIONED.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED NEITHER THE BAR SHALL BE COUNTED NOR TH DIMENSIONS SCALED FROM THE DRC
3. ANY DISCREPANCY IN THE DRGS. SHALL BE BROUGHT TO THE NOTIC OF ARCHITECT / CONSULTANT AN CLARIFICATION OBTAINED IN WRITIN PRIOR TO EXECUTION OF WORK.
4. HIGH YIELD STRENGTH DEFORMED BARS OF YIELD STRESS 500 N/MM^2 WHICH SHALL CONFORM TO 1786-198 SHALL BE USED AS REINFORCEMENT
5. CLEAR COVER OF OUTER LAYER REINF. SHALL BE AS FOLLOWS.
   - FOUNDATION =75M.M.
   - COLUMN = 40M.M.
   - BEAM = 25M.M.
   - SLAB = 20M.M.
   - WAIST SLAB = 20M.M.
6. LAP/DEVELOPMENT LENGTH 'LD' FOR DIFFERENT DIA OF BARS FO DIFFERENT GRADE OF CONCRET SHALL BE =41XØ OF BAR.
7. CONC. MIX FOR R.C. WORK GRADE MENTIONED IN RELEVANT SHEET CONFORMING TO I.S. 456-2000.
8. NECESSARY FIXTURE FOR ELECTRICAL, PLUMBING, ETC. SHAL BE PROVIDED IN SLAB, BEAM BEFOR EXECUTION AS PER RELEVANT DRGS
9. THE STRUCTURE HAS BEEN DESIGNED FOR SEISMIC ZONE-III.
10. THE STRUCTURAL STABILITY OF EXISTING BUILDING MAY BE CHEC BEFORE EXECUTION.
11. DESIGN IS SAFE FOR 22.5 T/MSQ. BEARING CAPACITY OF SOIL.
12. 400 MM SINGLE REAMED PILE OF 3.5 LENGTH WITH CAPACITY 28 TC PROVIDED IN 2 ROW IN FOUNDATIC FT-1 & FT-2. AND 3 ROWS I FOUNDATION FT-3 & FT-4 C/ SPACING 1200 MM.
13. M-30 GRADE CONCRETE IS USED IN FOUNDATION .

Dr. Virendra Pathak
Professor & Head, Civil Engineering Department
Institute of Engineering & Technology, Lucknow

ARCHITECT CONSULTANTS

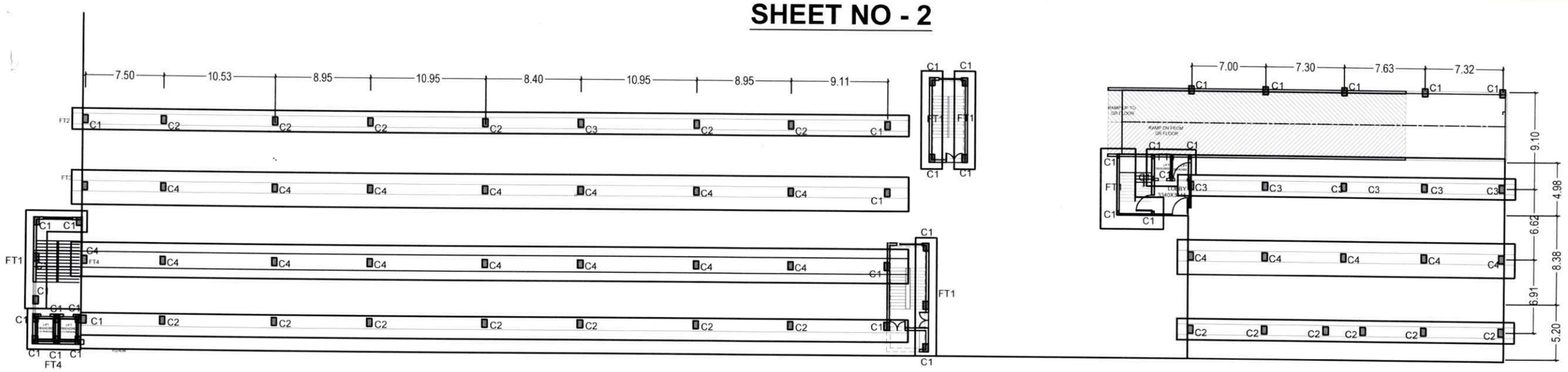
JYOTI CONSULTANTS ★ LUCKNOW (U.P.) ★

STRUCTURAL CONSULTANTS
C-93,SECTOR -K, ALIGANJ,LUCKNOW-226024
Contact:-0522-4049732,09415063762

NAME OF PROJECT

PROPOSED COMMERCIAL FLOORS AT EXISTING COMMERCIAL COMPLEX OF ROHTAS GROUP HOUSING ON PLOT NO. TC/G-4/4, AT VIBHUTI KHAND GOMTINAGAR LUCKNOW

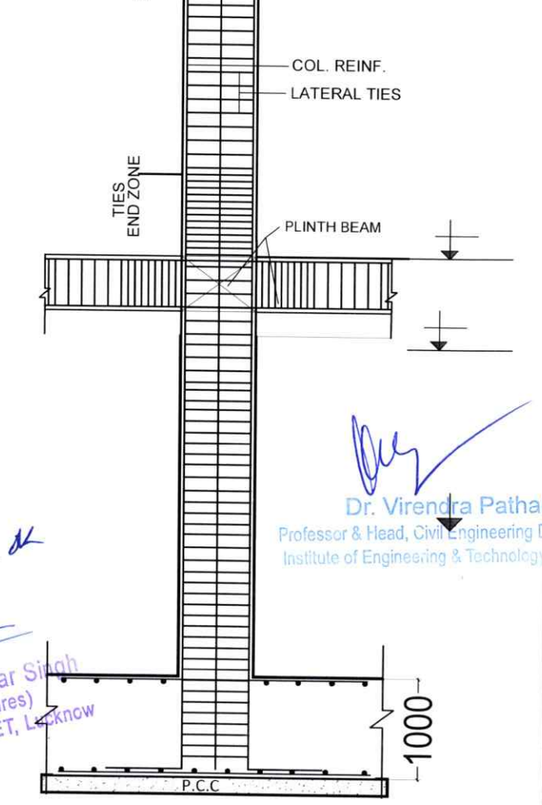
SHEET NO - 2



SHEDCULE OF COLUMNS

S. NO.	TYPES	FLOOR	SIZE IN MM	DIA & NOS. OF MAIN BAR IN MM	DIA OF RING IN MM	SPACING OF RING IN MM	REMARKS
1.	C1	BASEMENT TO F.F.	700X1000 M-40 CONC.	10 nos. 32mm+20 nos.25mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
2.		2 nd TO 4th Floor	500X1000 M-30 CONC.	26 nos. 25 mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
3.		5 th TO Terrace	500X1000 M-30 CONC.	20 nos. 25 mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
1.	C2	BASEMENT TO F.F.	700X1000 M-40 CONC.	10 nos. 32mm+20 nos.25mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
2.		2 nd TO 4th Floor	500X1000 M-30 CONC.	26 nos. 25 mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
3.		5 th TO Terrace	500X1000 M-30 CONC.	20 nos. 25 mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
1.	C3	BASEMENT TO F.F.	700X1000 M-40 CONC.	10 nos. 32mm+20 nos.25mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
2.		2 nd TO 4th Floor	500X1000 M-30 CONC.	26 nos. 25 mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
3.		5 th TO Terrace	500X1000 M-30 CONC.	20 nos. 25 mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
1.	C4	BASEMENT TO F.F.	700X1000 M-40 CONC.	20 nos. 32mm+10 nos.25mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
2.		2 nd TO 4th Floor	500X1000 M-30 CONC.	10 nos. 32mm+16 nos.25mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	
3.		5 th TO Terrace	500X1000 M-30 CONC.	26 nos. 25 mm	8	4 LEGGED STRRUPS C/C SPACING 100 IN H/6 FROM SUPPORT IN REST PORTION 200	

DETAIL OF ISOLATED FOOTINGS



Checked & ok
Dr. Sachin Kumar Singh
Phd (Structures)
Asst. Prof., CED IET, Lucknow

Dr. Virendra Pathak
Professor & Head, Civil Engineering Department
Institute of Engineering & Technology Lucknow

NOTES

1. ALL DIMENSIONS ARE IN M.M. UNLES OTHERWISE MENTIONED.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED NEITHER THE BAR SHALL BE COUNTED NOR TH DIMENSIONS SCALED FROM THE DRC
3. ANY DISCREPANCY IN THE DRGS. SHALL BE BROUGHT TO THE NOTIC OF ARCHITECT / CONSULTANT AN CLARIFICATION OBTAINED IN WRITIN PRIOR TO EXECUTION OF WORK.
4. HIGH YIELD STRENGTH DEFORMED BARS OF YIELD STRESS 500 N/MM^2 WHICH SHALL CONFORM TO 1786-19 SHALL BE USED AS REINFORCEMENT
5. CLEAR COVER OF OUTER LAYER REINF. SHALL BE AS FOLLOWS.
   - FOUNDATION =75M.M.
   - COLUMN = 40M.M.
   - BEAM = 25M.M.
   - SLAB = 20M.M.
   - WAIST SLAB = 20M.M.
6. LAP/DEVELOPMENT LENGTH 'LD' FOR DIFFERENT DIA OF BARS FO DIFFERENT GRADE OF CONCRET SHALL BE =41XØ OF BAR.
7. CONC. MIX FOR R.C. WORK GRADE MENTIONED IN RELEVANT SHEET CONFORMING TO I.S. 456-2000.
8. NECESSARY FIXTURE FOR ELECTRICAL, PLUMBING, ETC. SHAL BE PROVIDED IN SLAB, BEAM BEFOR EXECUTION AS PER RELEVANT DRGS
9. THE STRUCTURE HAS BEEN DESIGNED FOR SEISMIC ZONE-III.
10. THE STRUCTURAL STABILITY OF EXISTING BUILDING MAY BE CHEC BEFORE EXECUTION.
11. DESIGN IS SAFE FOR 22.5 T/MSQ. BEARING CAPACITY OF SOIL.
12. 400 MM SINGLE REAMED PILE OF 3.5 LENGTH WITH CAPACITY 28 TC PROVIDED IN 2 ROW IN FOUNDATIC FT-1 & FT-2. AND 3 ROWS I FOUNDATION FT-3 & FT-4 C/ SPACING 1200 MM.

ARCHITECT CONSULTANTS:

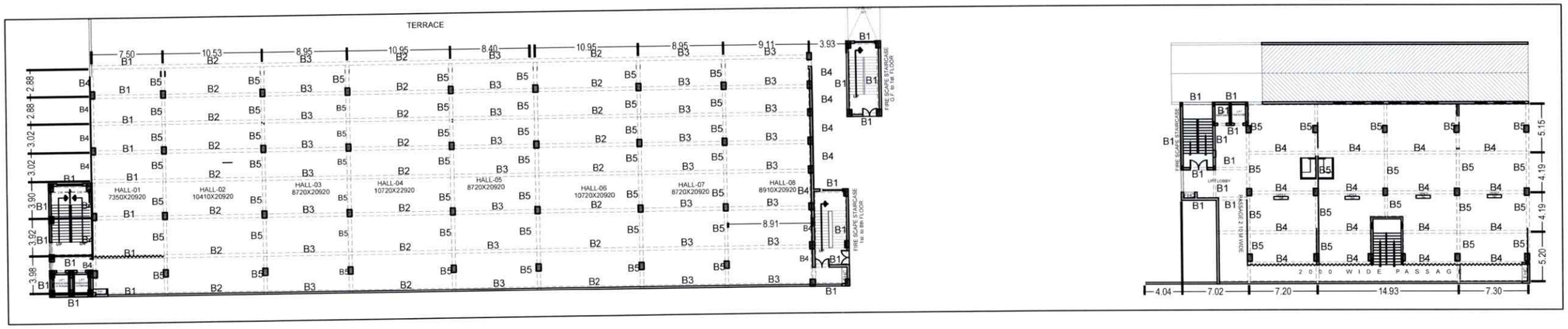
JYOTI CONSULTANTS LUCKNOW (U.P.)

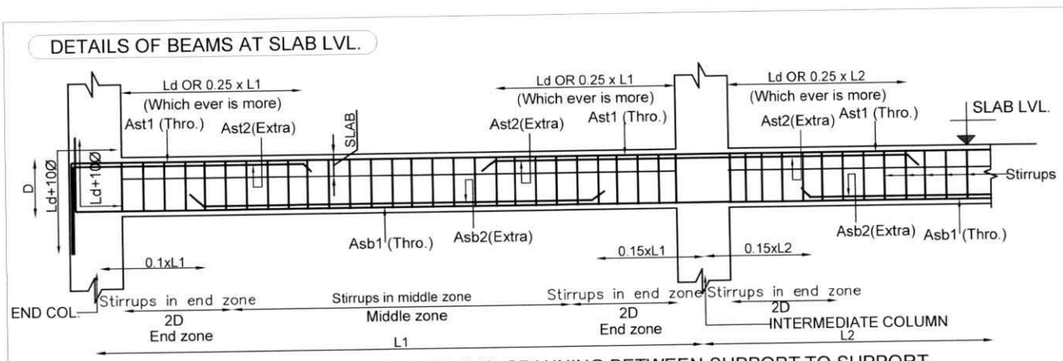
STRUCTURAL CONSULTANTS
C-93,SECTOR -K, ALIGANJ,LUCKNOW-226024
Contact:-0522-4049732,09415063762

NAME OF PROJECT

PROPOSED COMMERCIAL FLOORS AT EXISTING COMMERCIAL COMPLEX OF ROHTAS GROUP HOUSING ON PLOT NO. TC/G-4/4, AT VIBHUTI KHAND GOMTINAGAR LUCKNOW

SHEET NO - 3





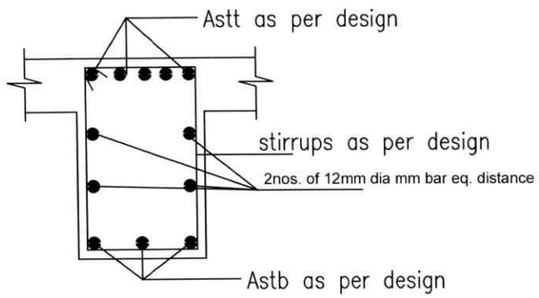
TYP. REINFORCEMENT DETAILS IN THE BEAMS SPANNING BETWEEN SUPPORT TO SUPPORT

FOR DETAILS REFER TABLE [3] BELOW

Note :- at the junction of two diff. number of beams the heigher reinforcement at the support shall be addopted.

TABLE -3, DETAILS OF SLAB BEAMS

SR. NO.	BEAM NO.	BEAM SIZE W mm	BEAM SIZE D mm	LONGITUDINAL REINFORCEMENT TOP FACE REINFORCEMENT Ast1 (Thro. at Top)	TOP FACE REINFORCEMENT Ast2 (Extra at support)	BOTTOM FACE REINFORCEMENT Asb1 (Thro. at Bottom)	BOTTOM FACE REINFORCEMENT Asb2 (Extra at middle)	STIRRUPS END ZONE '2L'STPS	STIRRUPS MIDDLE ZONE '2L'STPS	SIDE FACE REINF. (ON EACH SIDE FACE)
1	B1	500	600	3#25Ø	2#25Ø	3#25Ø	2#25Ø	#8@100c/c	#8@150c/c	2 NOS. OF 12 MM DIA BARS IN EACH FACE AND EVERY BEAM.
2	B2	500	750	5#25Ø	4#25Ø	5#25Ø	-	#8@100c/c	#8@150c/c	
3	B3	500	700	5#25Ø	4#25Ø	5#25Ø	-	#8@100c/c	#8@150c/c	
4	B4	600	850	5#25Ø	4#25Ø	5#25Ø	-	#10@100c/c	#10@150c/c	
5	B5	600	900	5#32Ø	4#32Ø	5#32Ø	-	#10@100c/c	#10@150c/c	



TYPICAL SECTION OF BEAM

Dr. Virendra Pathak
Professor & Head, Civil Engineering Department
Institute of Engineering & Technology, Lucknow

Checked & ok
Dr. Sachin Kumar Singh
Phd (Structures)
Asst. Prof., CED IET, Lucknow

NOTES

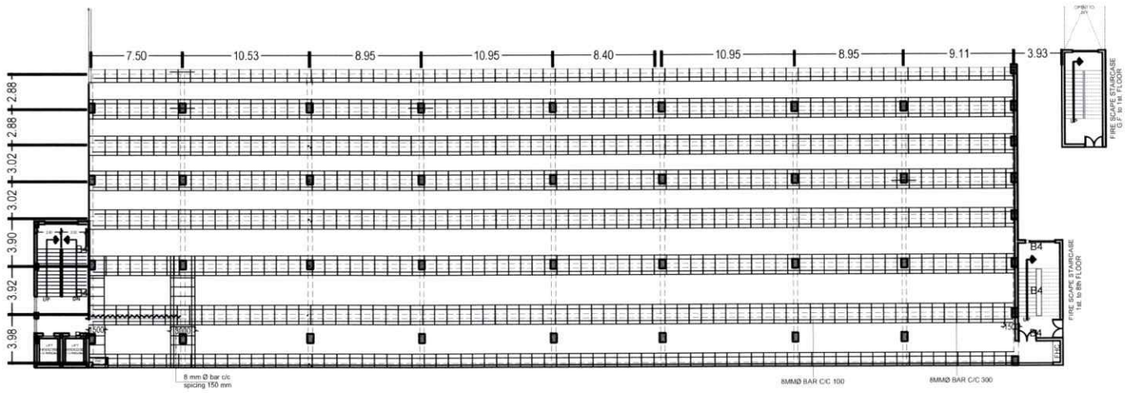
1. ALL DIMENSIONS ARE IN M.M. UNLESS OTHERWISE MENTIONED.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSIONS SCALED FROM THE DRG.
3. ANY DISCREPANCY IN THE DRGS. SHALL BE BROUGHT TO THE NOTICE OF ARCHITECT / CONSULTANT AND CLARIFICATION OBTAINED IN WRITING PRIOR TO EXECUTION OF WORK.
4. HIGH YIELD STRENGTH DEFORMED BARS OF YIELD STRESS 500 N/MM^2 WHICH SHALL CONFORM TO 1786-1985 SHALL BE USED AS REINFORCEMENT.
5. CLEAR COVER OF OUTER LAYER REINF. SHALL BE AS FOLLOWS.
   - FOUNDATION =75M.M.
   - COLUMN = 40M.M.
   - BEAM = 25M.M.
   - SLAB = 20M.M.
   - WAIST SLAB = 20M.M.
6. LAP/DEVELOPMENT LENGTH 'LD' FOR DIFFERENT DIA OF BARS FOR DIFFERENT GRADE OF CONCRETE SHALL BE =41XØ OF BAR.
7. CONC. MIX FOR R.C. WORK GRADE MENTIONED IN RELEVANT SHEETS CONFORMING TO I.S. 456-2000.
8. NECESSARY FIXTURE FOR ELECTRICAL, PLUMBING, ETC. SHALL BE PROVIDED IN SLAB, BEAM BEFORE EXECUTION AS PER RELEVANT DRGS.
9. THE STRUCTURE HAS BEEN DESIGNED FOR SEISMIC ZONE-III.
10. THE STRUCTURAL STABILITY OF EXISTING BUILDING MAY BE CHECK BEFORE EXECUTION.
11. DESIGN IS SAFE FOR 22.5 T/MSQ. BEARING CAPACITY OF SOIL.
12. 400 MM SINGLE REAMED PILE OF 3.5 M LENGTH WITH CAPACITY 28 TON PROVIDED IN 2 ROW IN FOUNDATION FT-1 & FT-2. AND 3 ROWS IN FOUNDATION FT-3 & FT-4 C/C SPACING 1200 MM.
13. M-30 GRADE CONCRETE IS USED IN BEAMS AND SLABS .

ARCHITECT CONSULTANTS:

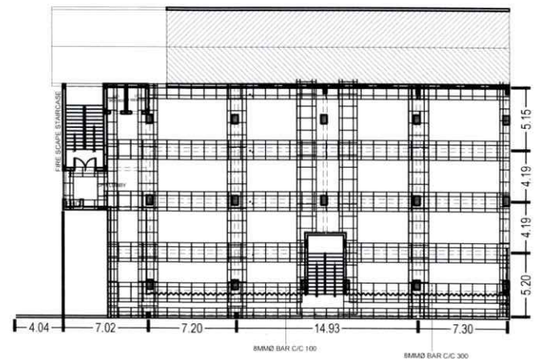
STRUCTURAL CONSULTANTS
C-93,SECTOR -K, ALIGANJ,LUCKNOW-226024
Contact:-0522-4049732,09415063762

NAME OF PROJECT: **PROPOSED COMMERCIAL FLOORS AT EXISTING COMMERCIAL COMPLEX** OF ROHTAS GROUP HOUSING ON PLOT NO. TC/G-4/4, AT VIBHUTI KHAND GOMTINAGAR LUCKNOW

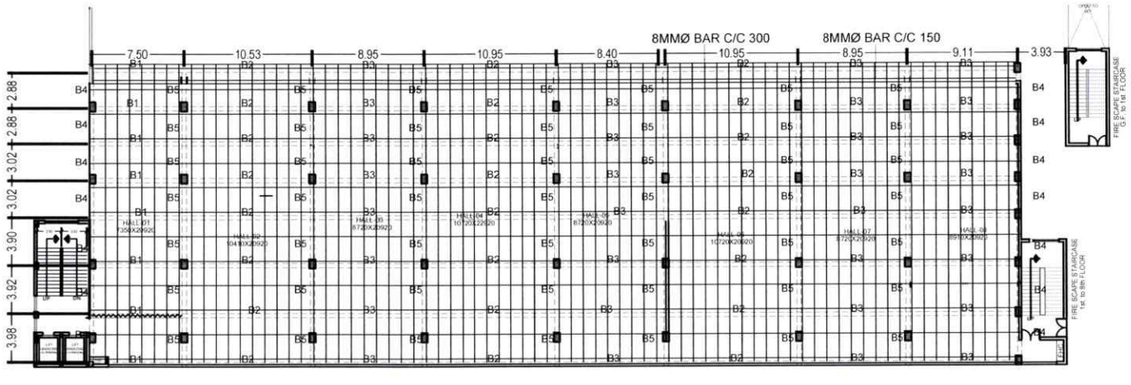
SHEET NO - 4



PLAN FOR TOP REINFORCEMENT



THICKNESS OF SLAB 125MM

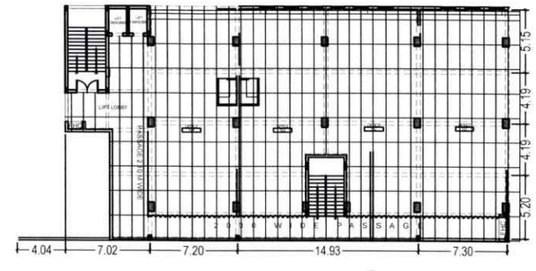


PLAN FOR BOTTOM REINFORCEMENT

Checked ok

Dr. Sachin Kumar Singh
Phd (Structures)
Asst. Prof., CED IET, Lucknow

Dr. Virendra Pathak
Professor & Head, Civil Engineering Department
Institute of Engineering & Technology, Lucknow



NOTES

1. ALL DIMENSIONS ARE IN M.M. UNLESS OTHERWISE MENTIONED.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSIONS SCALED FROM THE DRG.
3. ANY DISCREPANCY IN THE DRGS. SHALL BE BROUGHT TO THE NOTICE OF ARCHITECT / CONSULTANT AND CLARIFICATION OBTAINED IN WRITING PRIOR TO EXECUTION OF WORK.
4. HIGH YIELD STRENGTH DEFORMED BARS OF YIELD STRESS 500 N/MM^2 WHICH SHALL CONFORM TO 1786-1985 SHALL BE USED AS REINFORCEMENT.
5. CLEAR COVER OF OUTER LAYER REINF. SHALL BE AS FOLLOWS.
   - FOUNDATION =75M.M.
   - COLUMN = 40M.M.
   - BEAM = 25M.M.
   - SLAB = 20M.M.
   - WAIST SLAB = 20M.M.
6. LAP/DEVELOPMENT LENGTH 'LD' FOR DIFFERENT DIA OF BARS FOR DIFFERENT GRADE OF CONCRETE SHALL BE =41XØ OF BAR.
7. CONC. MIX FOR R.C. WORK GRADE MENTIONED IN RELEVANT SHEETS CONFORMING TO I.S. 456-2000.
8. NECESSARY FIXTURE FOR ELECTRICAL, PLUMBING, ETC. SHALL BE PROVIDED IN SLAB, BEAM BEFORE EXECUTION AS PER RELEVANT DRGS.
9. THE STRUCTURE HAS BEEN DESIGNED FOR SEISMIC ZONE-III.
10. THE STRUCTURAL STABILITY OF EXISTING BUILDING MAY BE CHECK BEFORE EXECUTION.
11. DESIGN IS SAFE FOR 22.5 T/MSQ. BEARING CAPACITY OF SOIL.
12. 400 MM SINGLE REAMED PILE OF 3.5 M LENGTH WITH CAPACITY 28 TON PROVIDED IN 2 ROW IN FOUNDATION FT-1 & FT-2. AND 3 ROWS IN FOUNDATION FT-3 & FT-4 C/C SPACING 1200 MM.
13. M-30 GRADE CONCRETE IS USED IN SLABS AND BEAMS

ARCHITECT CONSULTANTS:

JVG CONSULTANTS ★ LUCKNOW (U.P.)

STRUCTURAL CONSULTANTS
C-93,SECTOR -K, ALIGANJ,LUCKNOW-226024
Contact:-0522-4049732,09415063762

NAME OF PROJECT

PROPOSED COMMERCIAL FLOORS AT EXISTING COMMERCIAL COMPLEX OF ROHTAS GROUP HOUSING ON PLOT NO. TC/G-4/4, AT VIBHUTI KHAND GOMTINAGAR LUCKNOW