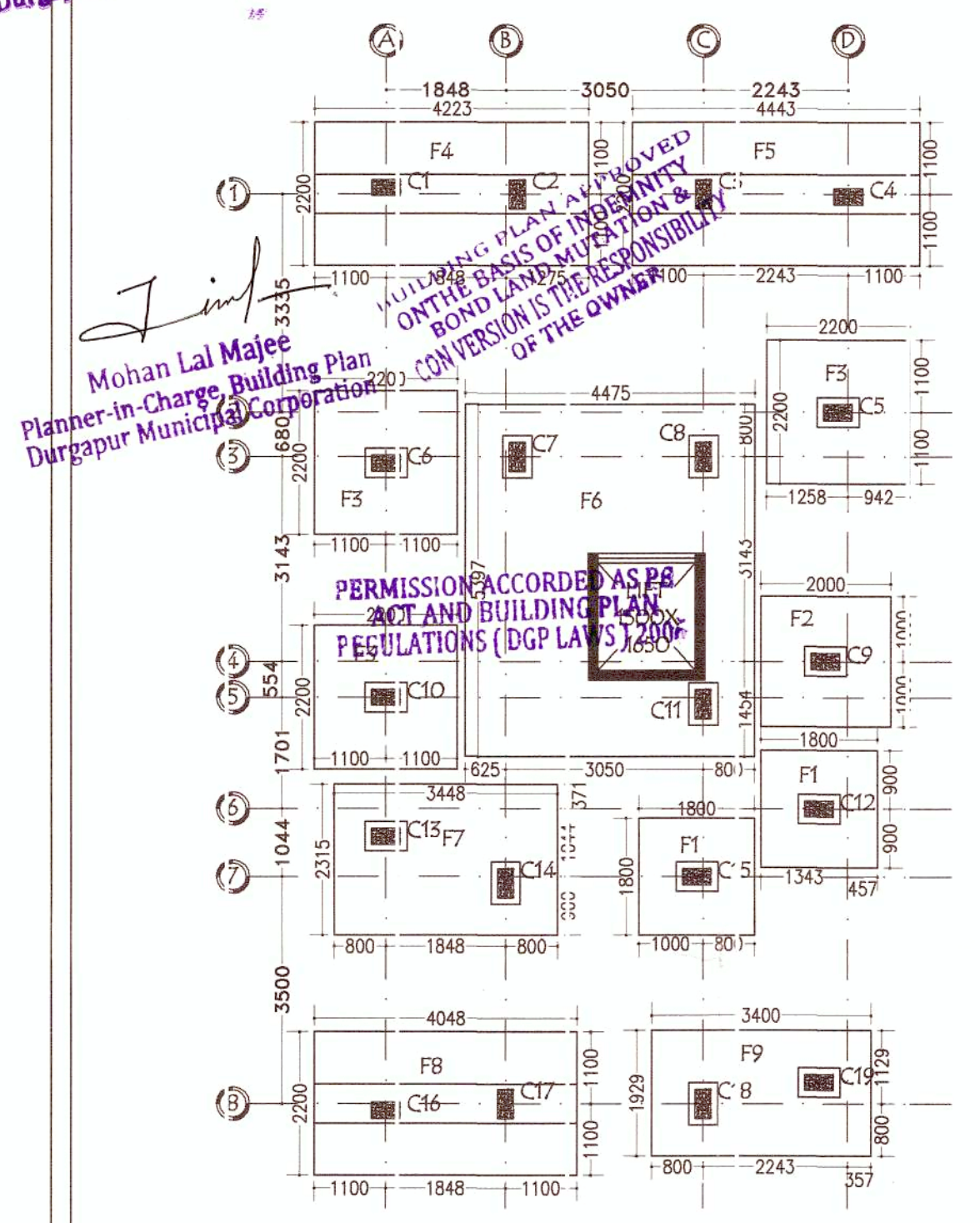




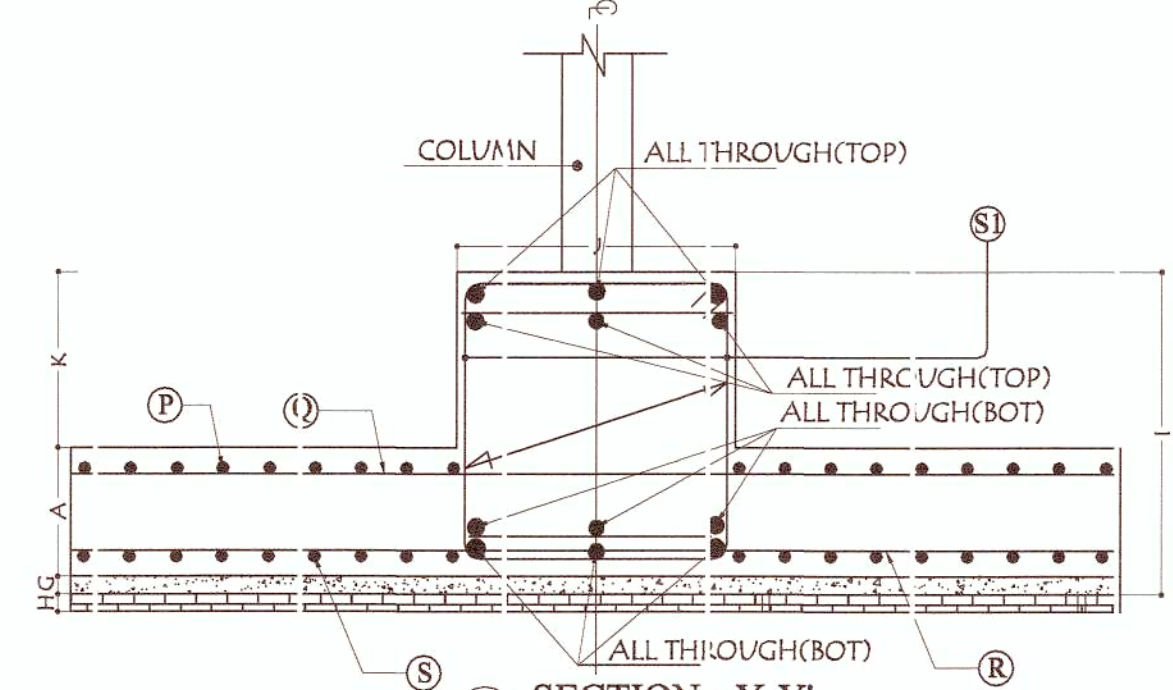
NO:-02 (SCHEDULE OF COMBINED & PAD FOOTING)

FOUNDATION TYPE	COLUMN UNDER	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	L (mm)	B (mm)	L1 (mm)	L2 (mm)	L3 (mm)	G (mm)	H (mm)	I (mm)	J (mm)	REIN. DETAILS FOR FOUNDATION BEAM		REIN. DETAILS FOR FOUNDATION SLAB			
																ALL THROUGH + EXT. TOP	ALL THROUGH + EXT. BOT.	TOP MAIN REIN. (P)	TOP DIST. REIN. (Q)	BOTT. MAIN REIN. (R)	BOTT. DIST. REIN. (S)
F7	C13+C14	350	500	1100	1650	650	4225	2200	1100	1848	1275	75	75	650	600	4L $\phi$ 16@150 C/C	12 $\phi$ 150 C/C	12 $\phi$ 150 C/C	12 $\phi$ 150 C/C	12 $\phi$ 150 C/C	
		500	1100	1650	650	4443	2200	1100	2243	1100	75	75	650	600	4L $\phi$ 16@150 C/C	12 $\phi$ 150 C/C	12 $\phi$ 150 C/C	12 $\phi$ 150 C/C	12 $\phi$ 150 C/C		
		450	1100	1650	650	5397	4475	1454	3143	800	75	75	650	600	4L $\phi$ 16@150 C/C	16 $\phi$ 150 C/C	16 $\phi$ 150 C/C	16 $\phi$ 150 C/C	16 $\phi$ 150 C/C		
F8	C18+C19	350	500	1100	1650	650	4048	2200	1100	1840	1100	75	75	650	600	4L $\phi$ 16@150 C/C	12 $\phi$ 150 C/C	12 $\phi$ 150 C/C	12 $\phi$ 150 C/C	12 $\phi$ 150 C/C	
		450	1100	1650	650	3400	1930	800	2244	317	75	75	650	600	4L $\phi$ 16@150 C/C	16 $\phi$ 150 C/C	16 $\phi$ 150 C/C	16 $\phi$ 150 C/C	16 $\phi$ 150 C/C		

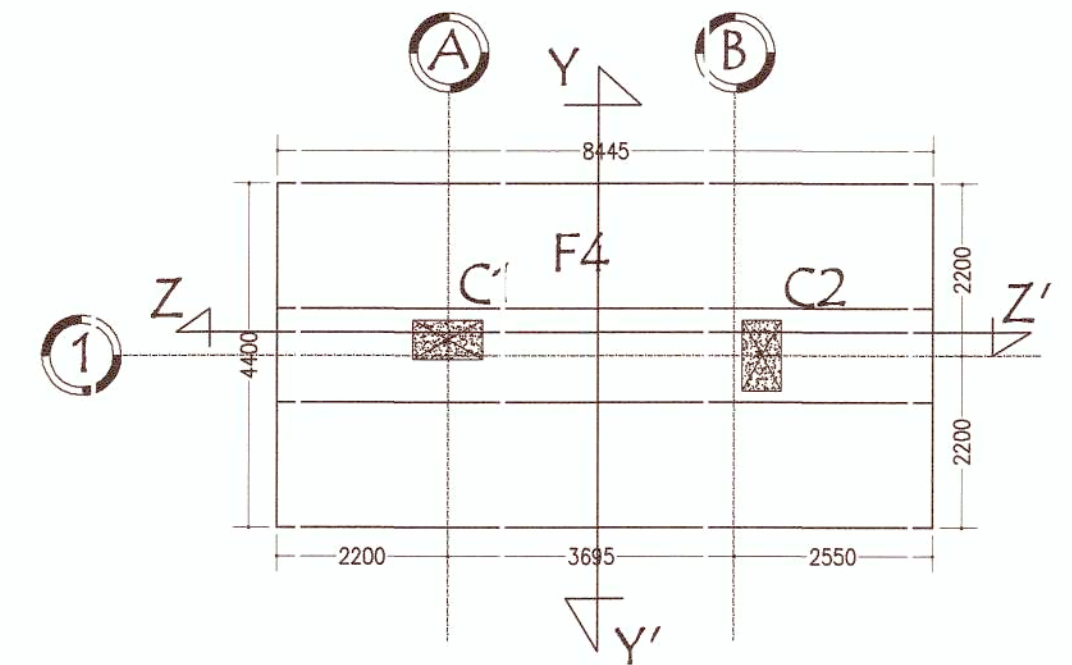
Commissioner Durgapur Municipal Corporation



3 FOOTING LAYOUT PLAN SCALE: 1:50



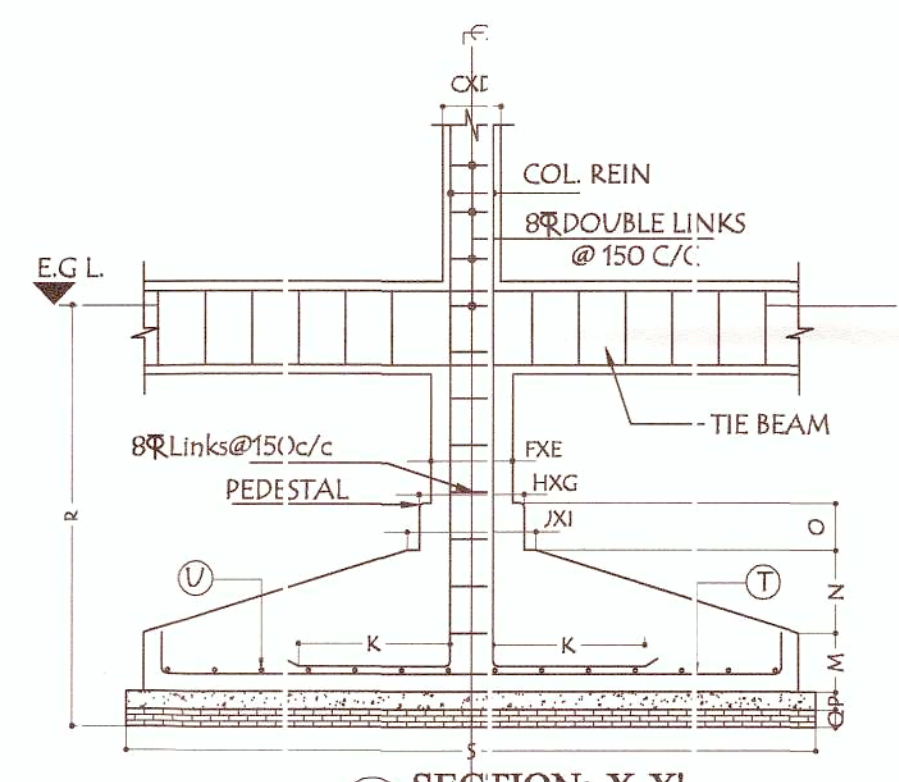
8 SECTION -Y-Y' SCALE: 1:25



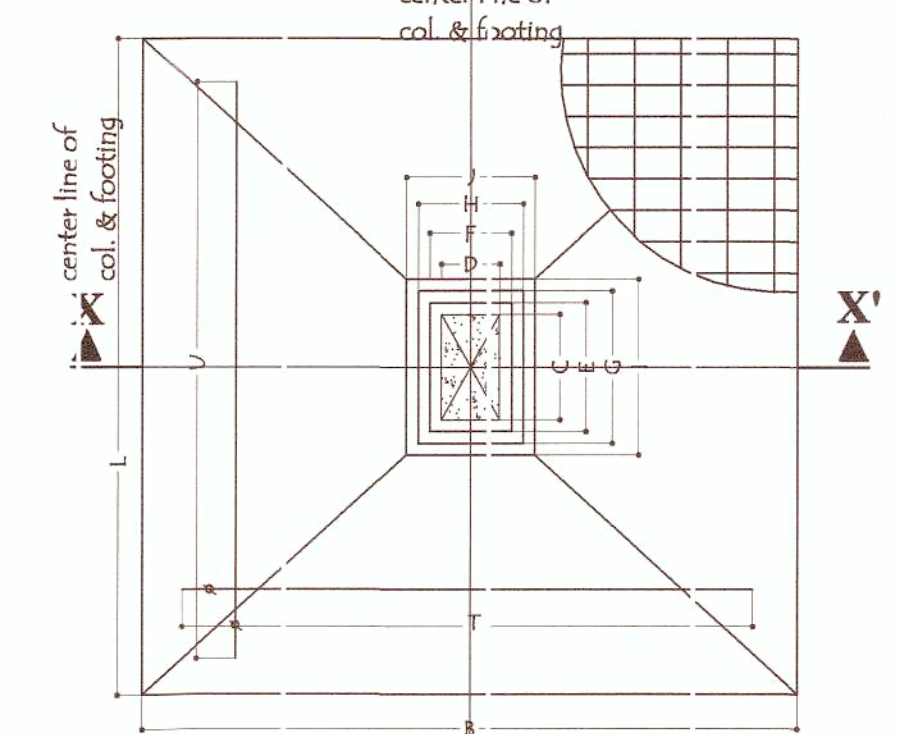
9 PLAN OF FOOTING SCALE: 1:50

TABLE NO:-01 (SCHEDULE OF ISOLATED FOOTING)

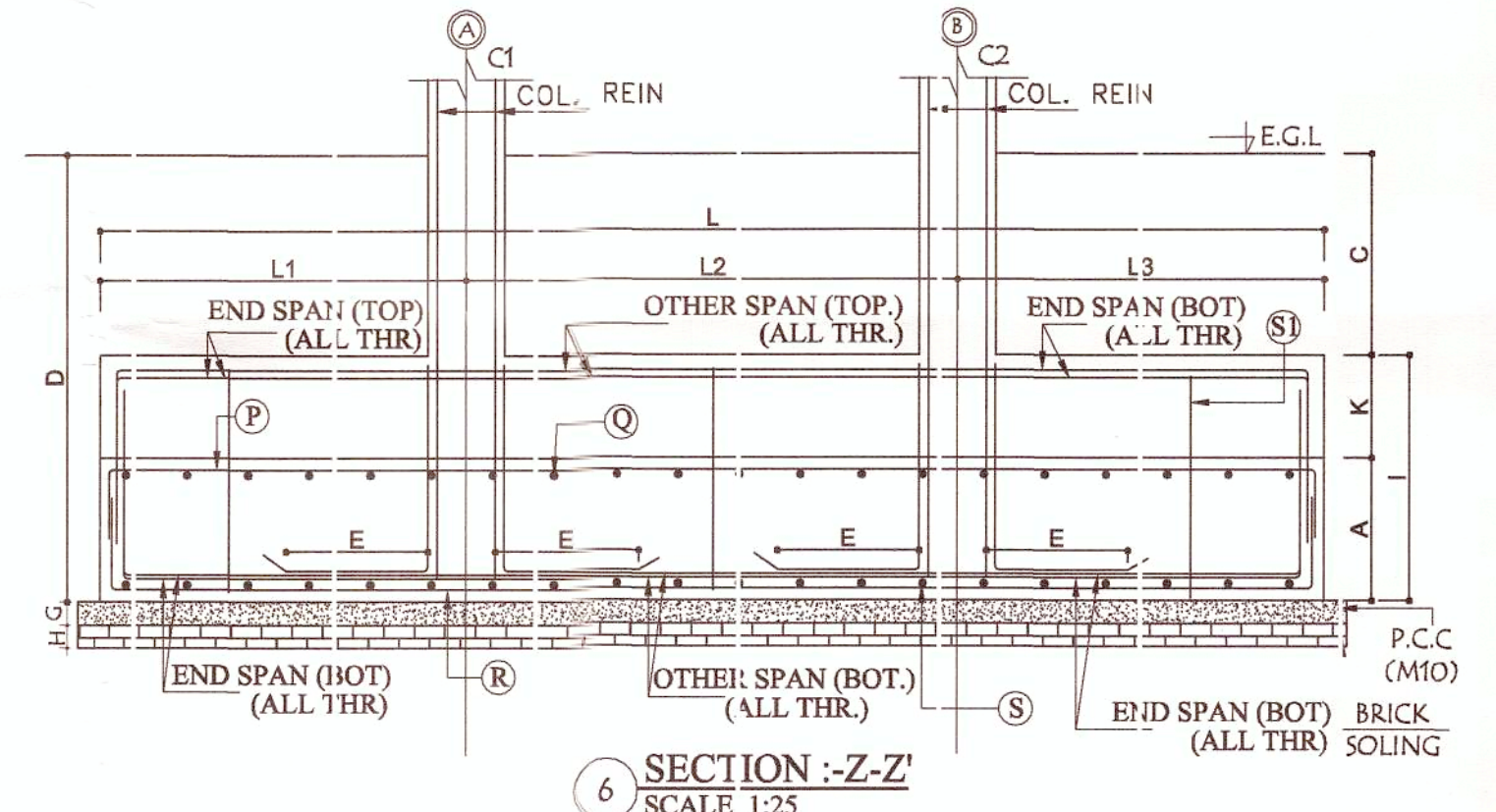
FOUNDATION TYPE	COLUMN UNDER	L (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	M (mm)	N (mm)	O (mm)	P (mm)	Q (mm)	R (mm)	S (mm)	REIN. DETAILS FOR FOUNDATION SLAB	
																				BOTT. MAIN REIN. (T)	BOTT. DIST. REIN. (U)
F1	C12, C15	1800	1800	450	250	550	350	650	450	750	550	650	350	250	200	75	75	1650	1940 X1550	16 $\phi$ 150 C/C	16 $\phi$ 150 C/C
F2	C9	2000	2000	450	250	550	350	650	450	750	550	650	350	250	200	75	75	1650	2140 X250	16 $\phi$ 150 C/C	16 $\phi$ 150 C/C
F3	C5, C6, C10	2200	2200	450	250	550	350	650	450	750	550	650	350	250	200	75	75	1650	2340 X250	16 $\phi$ 150 C/C	16 $\phi$ 150 C/C



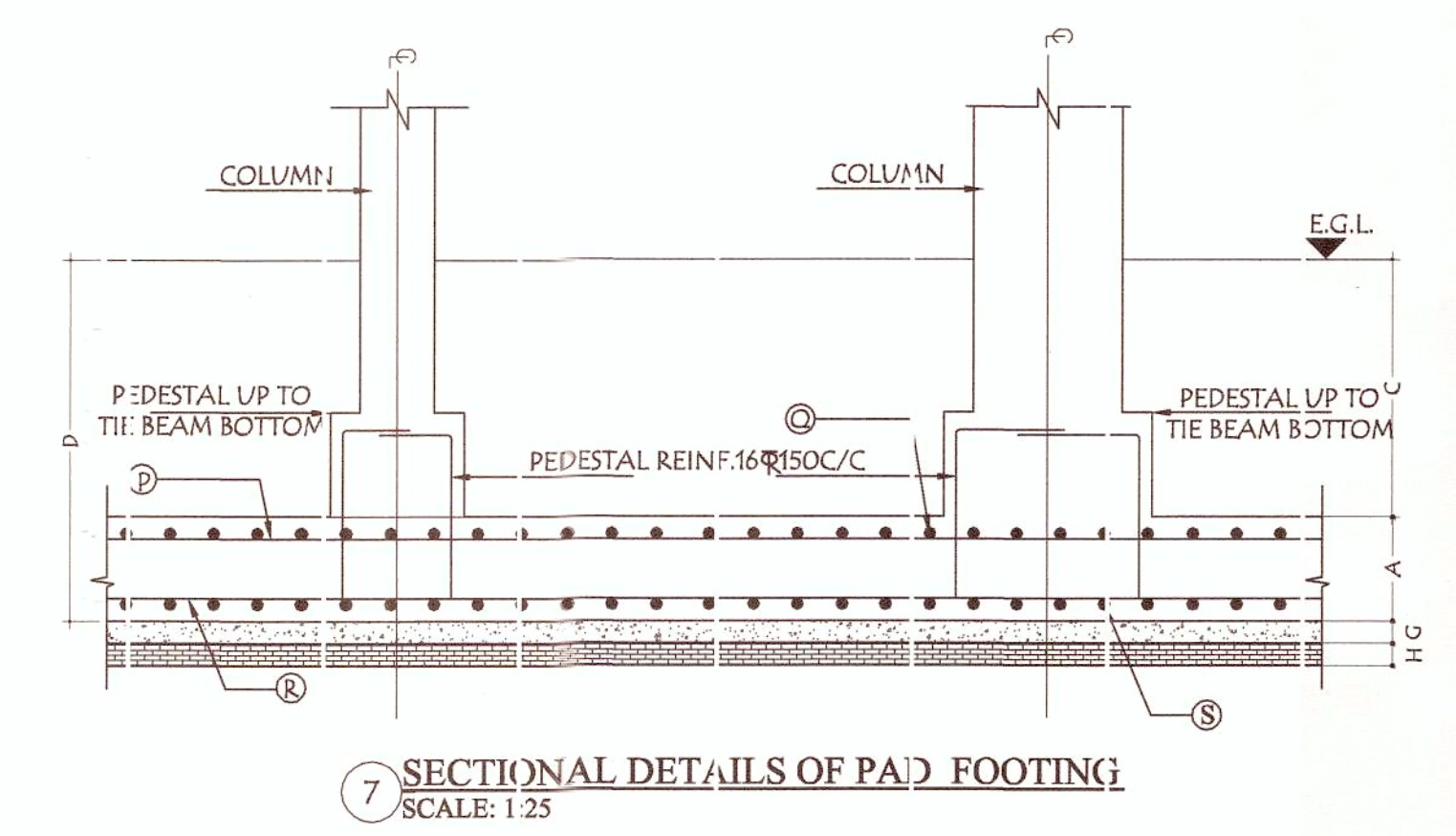
4 SECTION -X-X' SCALE: N.T.S



5 PLAN OF FOOTING (F1) SCALE: N.T.S



6 SECTION -Z-Z' SCALE: 1:25



7 SECTIONAL DETAILS OF PAD FOOTING SCALE: 1:25

**PROJECT NAME:-**  
 STRUCTURAL DRAWING OF PROPOSED (G+3+1) FIVE STORIED RESIDENTIAL APARTMENT BUILDING OF MR. RAJIB CHAKRABORTY S/O MR. DEBA PRASAD CHAKRABORTY, MR. MANAS CHAKRABORTY S/O MR. DEBA PRASAD CHAKRABORTY, & MRS. MINA CHAKRABORTY W/O MR. DEBA PRASAD CHAKRABORTY, L.R PLOT NO.-361, KHATIAN NO.-2750,2751,2752, J.L NO.-074 MOUZA- FARIDPUR, P.S- FARIDPUR, DIST-PASCHIM BARDHAMAN. WARD NO.-21 HOLDING NO.-207

- 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-14.6T/SQM
  - Grade of steel Fe 500.
  - Depth of foundation 1.45 m.
  - The top layer of reinforcement shall be placed over bottom layer of reinforcement with chair of 10 $\phi$  bar @ 900 c/c.
  - At a time of construction ductile detailing must be followed as per IS: 3920.
  - 8 $\phi$  binder @ 200 C/C binder for top & bottom 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 50 $\phi$  for lap & splices should be provided as per the provisions laid down in SP34:1987

SIGNATURE OF STRUCTURAL ENGINEER:-

*Hirak Ghosh*  
 HIRAK GHOSH  
 Structural Engineer  
 Lic. No. - L.B.PM/162/AMC/DMC/BPD/165  
 DCE, B.TECH, G.I.D.S., Durgapur-16  
 Contact No. - 9332333331

SIGNATURE OF ENGINEER/L.B.S.:-

*Hirak Ghosh*  
 HIRAK GHOSH (Class-A)  
 Consultant Civil Engineer - (Class-A)  
 Lic. No. - L.B.PM/162/AMC/DMC/BPD/165  
 DCE, B.TECH, G.I.D.S., Durgapur-16  
 Contact No. - 9332333331

CERTIFICATE OF GEO-TECHNICAL ENGINEER:-

*Manoj Chakraborty*  
 MANOJ CHAKRABORTY  
 Civil / Geotechnical Engineer  
 Lic. No. - L.B.PM/162/AMC/DMC/BPD/165  
 G.I.D.S., Durgapur - 16

VETTED BY:-

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

TITLE:- FOOTING LAYOUT PLAN, SCHEDULE OF FOOTING, SECTION DETAILS OF FOOTING.

SIGNATURE OF OWNER:-  
 Mina Chakraborty  
 Manas Chakraborty  
 Rajib Chakraborty



**GIDS Engineering Pvt. Ltd.**  
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CHECKED BY: H.GHOSH  
 DATE: 25.06.2020  
 SHEET NO:- GIDS/STRU/D.M.C/02-03

SCALE: 1:100, 1:25.  
 REV-00

