FOOTING DETAILS

FOOTING	COLUMN MARK	LENGTH (L) (mm)	WIDTH (W) (mm)	THICKNESS (mm)		PEDESTAL		REINFORCEMENT		NO. OF FOOT-ING
MKD				EDGE(E)	CENT(C)	LENGTH(a)	WIDTH(b)	SHORTER SPAN(q)	LONGER SPAN(p)	
F1	C7,C36	2000	2000	200	350	550	350	12T @ 150 C/C	12T @ 150 C/C	2
F2	C1,C5,C29,C34	2200	2200	200	350	550	350	12T @ 150 C/C	12T @ 150 C/C	4
F3	C6,C13,C20,C28,C30,C31	2400	2400	200	400	550	350	12T @ 150 C/C	12T @ 150 C/C	6
F4	C3,C4,C8,C11,C12,C19,C35	2600	2600	200	400	550	350	12T @ 125 C/C	12T @ 125 C/C	7
F5	C2,C14,C18,C21,C23, C24,C25,C26,C27,C32,C33	2800	2800	200	400	550	350	12T @ 125 C/C	12T @ 125 C/C	11
F6	C22	3600	2800	200	400	550	350	12T @ 150 C/C	16T @ 125 C/C	1
F7	C10	3600	2750	500	500	-	-	12T @ 125 C/C (T&B)	12T @ 125 C/C (T&B)	1
CF1	C9-C13	5400	3000	300	300	-	-	16T @ 125 C/C	12T @ 150 C/C	1
CF2	C16-C17	7000	2450	300	300	-	-	16T @ 150 C/C	12T @ 150 C/C	1

SCHEDULE OF BEAM

MKD.	SIZE		REINFORCEMENT				STIRRUP (2L-8T)	
			SUPPORT		SPAN			
	WIDTH	DEPTH	TOP	BOTT.	TOP	BOTT.	SUPPORT(s1)	SPAN (s2)
B1	250	400	6-16T	3-16T	3-16T	5-16T	100 C/C	150 C/C
B2	250	400	5-16T	3-16T	3-16T	5-16T	100 C/C	150 C/C
B3	250	400	3-16T	2-16T	2-16T	2-16T+1-12T	100 C/C	150 C/C
B4	250	400	2-16T	3-16T	2-16T	3-16T	100 C/C	150 C/C
B5	250	400	2-12T	3-12T	2-16T	3-12T	100 C/C	150 C/C
B6	250	400	3-16T	5-16T	3-16T	5-16T	100 C/C	150 C/C

SCHEDULE OF TIE- BEAM

MKD.	SIZE		REINFORCEMENT				STIRRUP (2L-8T)	
			SUPPORT		SPAN			
	WIDTH	DEPTH	TOP	BOTT.	TOP	BOTT.	SUPPORT(s1)	SPAN (s2)
TB1	250	400	3-16T	3-16T	3-16T	3-16T	100 C/C	150 C/C

SCHEDULE OF SLAB

MKD.	THICK	REINFORCEMENT							
		SHORTER SPAN				LONGER SPAN			
		SUPPORT		SPAN		SUPPORT		SPAN	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.
S1	110	8T @ 125 C/C	8T @ 250 C/C	--	8T @ 1250 C/C	1250 C/C	8T @ 300 C/C	--	8T @ 150 C/C
LIFT M/C RM (S2)	150	10T @ 150 C/C	10T @ 300 C/C	--	10T @ 150 C/C	10T @ 150 C/C	10T @ 300 C/C	--	10T @ 150 C/C
S3	135	LONGITUDINAL REINFORCEMENT- 12T @ 150 C/C DISTRIBUTION STEEL - 8T @ 200 C/C						STAIR WAIST SLAB	

COLUMN MKD.	REINFORCEMENT		SHAPE OF BAR	NO. OF COL.
	UP TO 3RD FLOOR LEVEL	AT ROOF LEVEL		
C1,C5,C6,C7, C8,C13,C20, C28,C29, C31,C34, C35,C36	4-16T+6-12T WITH 2 C.L. PER SET	4-16T+4-12T WITH 2 C.L. PER SET	8T @150 C/C	13
C2,C9,C10, C11,C12,C14, C19,C26,C27, C30,C32,C33	4-12T+6-16T WITH 2 C.L. PER SET	6-12T+4-16T WITH 2 C.L. PER SET	8T @150 C/C	12
C3,C4,C15, C21,C24	2-12T+8-16T WITH 2 C.L. PER SET	8-16T WITH 2 C.L. PER SET	8T @150 C/C	5
C16,C17,C22, C23,C25	10-16T WITH 2 C.L. PER SET	2-12T+8-16T WITH 2 C.L. PER SET	8T @150 C/C	5
C18	10-16T WITH 2 C.L. PER SET	10-16T WITH 2 C.L. PER SET	8T @150 C/C	1
ST1		8-12T WITH 1 C.L.+2 O.L. PER SET	8T @150 C/C	2

NOTES & SPECIFICATIONS

ALL DIMENSIONS ARE IN M.M. UNLESS OTHERWISE MENTIONED.
WRITTEN DIMENSIONS TO BE FOLLOWED.
ALL MAIN WALLS ARE 200 THK.
PARTITION WALLS ARE 125 THK. & 75 THK.
ALL R.C.C. AND P.C.C. WORK WILL BE IN (1:1.5:3) & (1:3:6) RESPECTIVELY.
ALL BUILDING MATERIALS TO BE USED AS PER N.B.C. OF INDIA.
MINIMUM COVER FOR R.C.C. STRUCTURES :
FOR SLAB– 20 M.M.
FOR BEAM–30 M.M.
FOR COLUMN–45 M.M.
GRADE OF CONCRETE– M 25.
GRADE OF STEEL – Fe 500

STRUCTURAL CERTIFICATE

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 LOADS AS PER N.B.C. OF INDIA AND CERTIFICATE THAT IT IS SAFE AND STABLE IN ALL RESPECT.

SAMIRAN MUKHERJEE
B.C.E.
E.S.E. NO.-57
A-28 ATABAGAN, GARIA
KOLKATA-700 084

SIG. OF G.T.E. | SIG. OF E.S.E.

SOUMEN DEY
E. B. S. No.-102 (Class-I)
Registered Building Planner of R. S. Municipality
Mobile - 9831316952
Resi.-Near Boral Post Office

SIG. OF E.B.S.

As Constituted Attorney
For, Keder Nath Bose
Chameli Bose, Soumitra Bose
Soma Datta, Aparna Roy
Pratima Roy Chowdhury
Bijoy Ghosh

SIG. OF OWNER

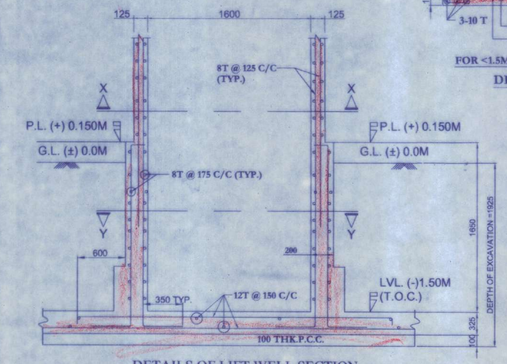
PROPOSED G+IV STORIED RESIDENTIAL BUILDING PLAN AT MOUZA - BORAL , J.L. No.- 61 ,R.S. DAG NO. - 601(P), L.R. DAG NO.-768, R.S.KHATIAN. NO. - 2541,2544,2545,2546,2549,2555,288 ,WARD No.-34 , HOLDING No.-510, BORAL -C, P.S.-NARANDRAPUR , DIST.-24 PARGANA(S).
UNDER RAJPUR SONARPUR MUNICIPALITY.
OWNERS' NAME SRI .KEDAR NATH BOSE, MRS. CHAMELI BOSE ,
MR. SOUMITRA BOSE , MRS. SOMA DUTTA , MRS. APARNA ROY,
MRS. PRATIMA ROY CHOWDHURY, MR. BIJOY GHOSH.

STRUCTURAL DRAWING

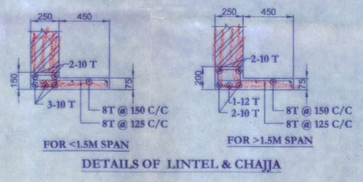
RAJPUR-SONARPUR MUNICIPALITY ESTD-1876

Structural plan as submitted by the structural Engineer have been kept with Building Plan No.- 171/08/34/23 Dated On- 04/01/2022 for record of the Rajpur-Sonarpur Municipality without Verification No. deviation from the submitting structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form necessary steps should be taken for the safety of the adjoining premises public private properties and safety of human life during Construction

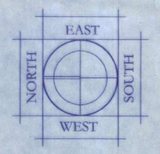
03/01/22
Sig. of Assistant Engineer.
Incharge P.W.D
RAJPUR-SONARPUR MUNICIPALITY

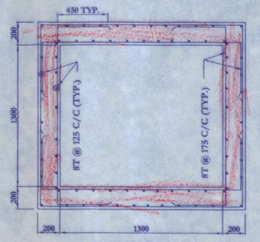


DETAILS OF LIFT WELL SECTION
SCALE - N.T.S.

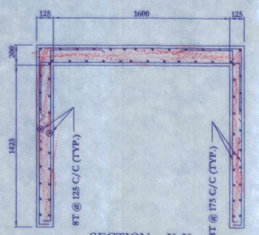


DETAILS OF LINTEL & CHAJJA





SECTION - Y-Y
SCALE- N.T.S.



SECTION - X-X
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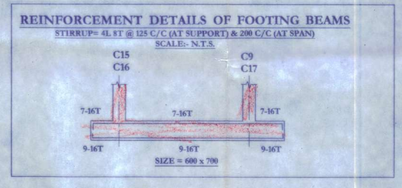
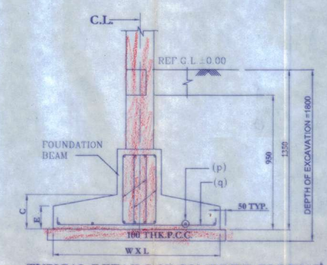
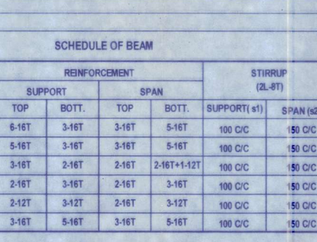
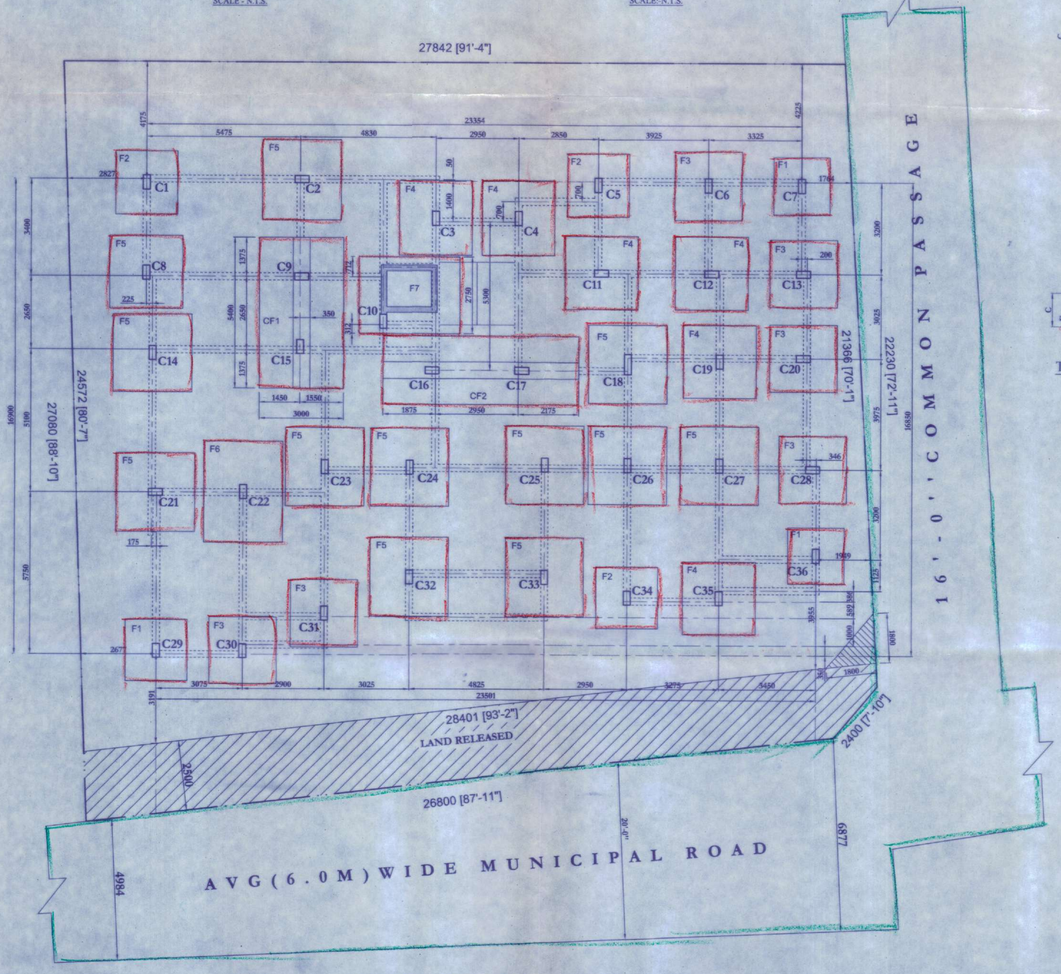




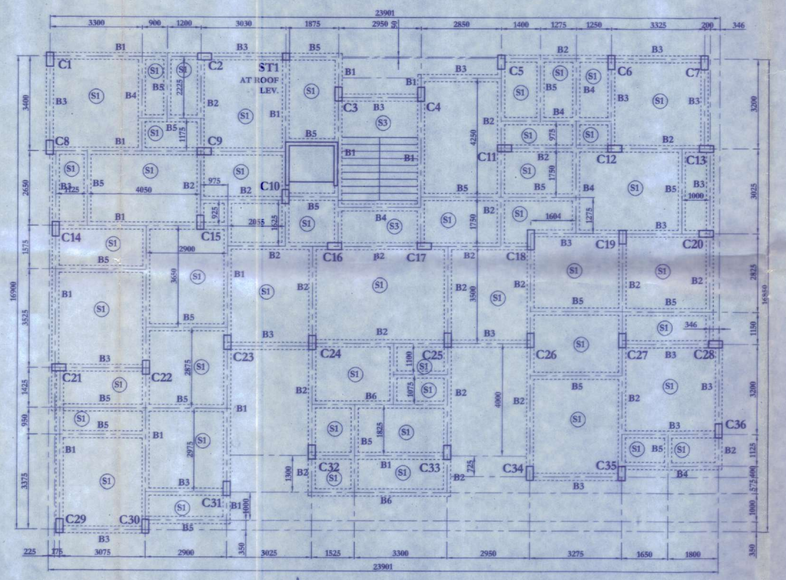
TYPICAL DETAILS OF COMBINED FOOTING



TYPICAL DETAILS OF ISOLATED FOOTING



FOUNDATION & TIE-BEAM LAYOUT PLAN
SCALE - 1:100



TYPICAL (1ST, 2ND, 3RD & 4TH FLOOR BEAM LAYOUT
SCALE - 1:100