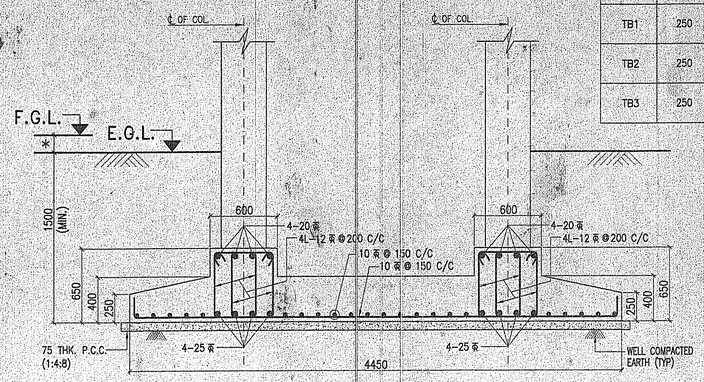
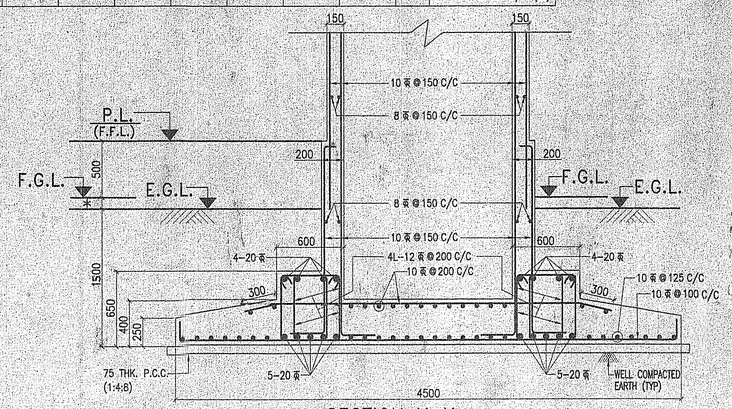
SCHEDULE OF TIE BEAMS

BEAM MKD.	SIZE		REINFORCEMENT						'X' DIST.	STIRRUPS
			END SUPPORT		SPAN		CONT. SUPPT.			
	WIDTH	DEPTH	TOP	BOT.	TOP	BOT.	TOP	BOT.		
TB1	250	400	3–16 ⌀	3–12 ⌀	3–16 ⌀	3–12 ⌀ + 2–12 ⌀	3–16 ⌀ + 2–16 ⌀	3–12 ⌀	—	2L– 8 ⌀ @ 125 C/C (S1)
										2L– 8 ⌀ @ 125 C/C (S2)
TB2	250	400	3–16 ⌀	3–16 ⌀	3–16 ⌀	3–16 ⌀	3–16 ⌀	3–16 ⌀	—	2L– 8 ⌀ @ 150 C/C (S1)
										2L– 8 ⌀ @ 150 C/C (S2)
TB3	250	400	4–12 ⌀	2–12 ⌀	2–12 ⌀	3–12 ⌀	4–12 ⌀	2–12 ⌀	—	2L– 8 ⌀ @ 150 C/C (S1)
										2L– 8 ⌀ @ 150 C/C (S2)



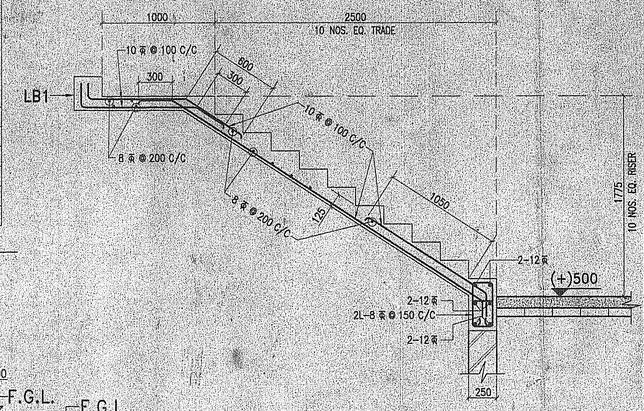
SECTION X–X

(* AS PER SITE CONDITION)



SECTION Y–Y

(* AS PER SITE CONDITION)



TYPICAL R.C. DETAIL OF STAIR FLIGHT

(WAIST SLAB THICKNESS = 125 MM)

GENERAL NOTES :–

1. THIS DRG. SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRGS. AND OTHER RELATED DRAWINGS OF THIS BUILDING.
2. ALL DIMENSIONS ARE IN M.M., UNLESS STATED OTHERWISE.
3. ALL STRUCTURAL CONCRETE SHALL BE M–20 GRADE, UNLESS OTHERWISE STATED.
4. ALL LEAN CONCRETE WORK SHALL BE OF 1:4:8 NOMINAL MIX CONCRETE AND SHALL BE 75 M.M THICK, UNLESS OTHERWISE STATED.
5. ALL REINFORCIMENT BARS SHOWN THUS ⌀ ARE COLD TWISTED DEFORMED BARS (YIELD STRESS fy=415 N/mm^2) AND THOSE SHOWN THUS ⌀ ARE, MILD STEEL (YIELD STRESS fy 250 N/mm^2) CONFORMING TO IS:1786 & IS:432 (LATEST) RESPECTIVELY.
6. UNLESS OTHERWISE SPECIFIED ON DRAWING THE MINIMUM CLEAR CONCRETE COVER FOR PROTECTION OF REINFORCEMENT SHALL BE AS FOLLOWS.

	TOP.	BOTT.	SIDES
a. FOUNDATION BEAMS & SLABS.	40	40	40
b. COLUMNS.	–	–	40
c. BEAMS (SUPERSTRUCTURE)	30	30	30
d. SLABS (SUPERSTRUCTURE)	20	20	25

7. UNLESS SPECIFIED OTHERWISE ALL HOOKS, BENDS, LAPS, SPLICES ETC. SHALL BE AS PER LATEST IS:456 AND OTHER RELEVANT INDIAN STANDARD.
8. NOT MORE THAN HALF THE BARS SHALL BE LAPPED AT A SECTION.
9. FOUNDATIONS HAVE BEEN DESIGNED CONSIDERING NET SAFE BEARING CAPACITY OF SOIL AT A DEPTH OF 1.5 M BELOW G.L. AT 6.0 T/M^2 AS PER SOIL INVESTIGATION REPORT.

CERTIFICATE OF ARCHITECT :

CERTIFIED THAT THE PLAN HAS BEEN DRAWNUP AS PER PROVISION OF LOCAL PANCHAYET BUILDING RULES & REGULATIONS AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ABUTTING ROAD CONFIRM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A FILLED UP TANK.

KALYAN KUMAR BASU
Registered Architect of Council of Architecture
CA/84/8267

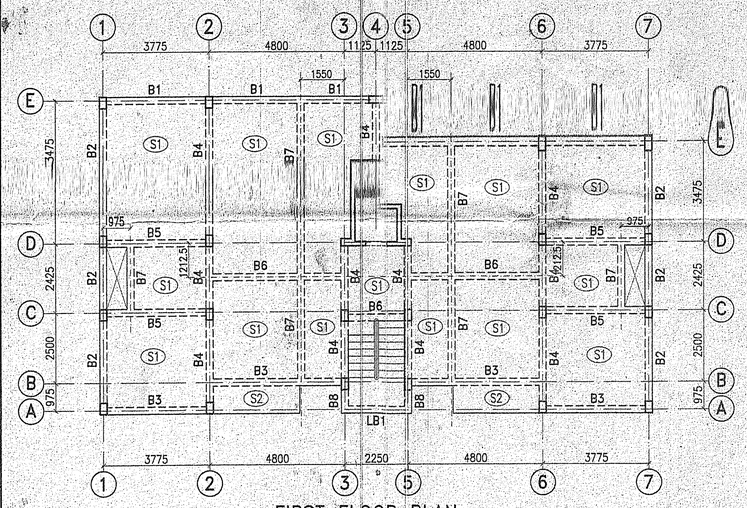
SIGN. OF ARCHITECT/L.B.S

CERTIFICATE OF STRUCTURAL ENGINEER :

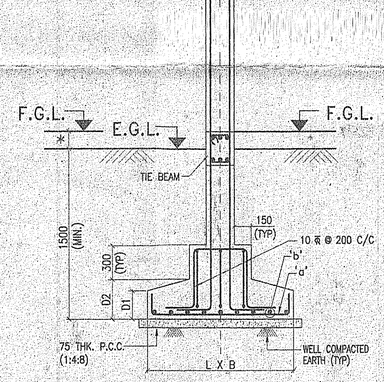
CERTIFIED THAT THE DESIGN AND DRAWINGS OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE LATEST NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

ARINDAM MUKHERJEE
FSE-II/68
Kolkata Municipal Corporation

SIGN. OF ENGINEER



FIRST FLOOR PLAN

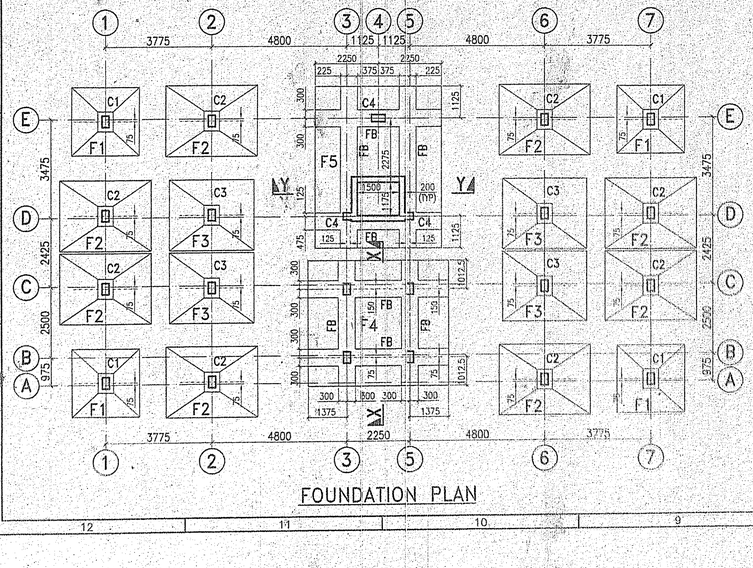


TYP. CROSS SECTION OF ISOLATED FOOTING

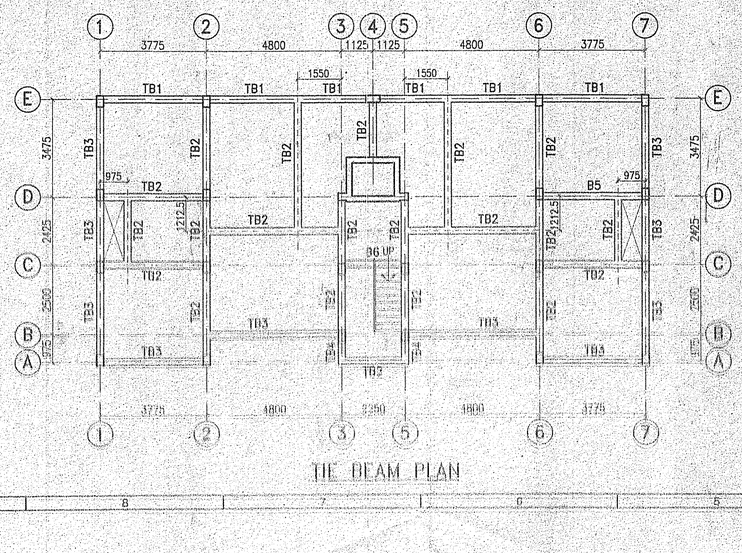
(* AS PER SITE CONDITION)

SCHEDULE OF FOUNDATIONS

FDN. MKD.	SIZE		THICKNESS		REINFORCEMENT (BOTTOM)		REMARKS	DET. OF FDN. BEAM				
								SIZE		REINFORCEMENT		
	L	B	D1	D2	(a) (SHORT DIRECTION)	(b) (LONG DIRECTION)		W	D	TOP	BOT.	STIRRUPS
F1	2400	2400	200	300	12 ⌀ @ 125 C/C	12 ⌀ @ 125 C/C	ISOLATED FOOTING	–	–	–	–	–
F2	3250	2500	250	425	16 ⌀ @ 150 C/C	12 ⌀ @ 150 C/C	–DO–	–	–	–	–	–
F3	3000	2500	250	425	12 ⌀ @ 125 C/C	12 ⌀ @ 125 C/C	–DO–	–	–	–	–	–
F4	5000	4450	250	400	10 ⌀ @ 150 C/C	10 ⌀ @ 150 C/C	COMBINED FOOTING	600	650	4–20 ⌀	4–25 ⌀	4L–12 ⌀ @ 150 C/C
F5	5725	4500	250	400	10 ⌀ @ 100 C/C	10 ⌀ @ 125 C/C	COMBINED FOOTING	600	650	4–20 ⌀	5–20 ⌀	4L–12 ⌀ @ 200 C/C



FOUNDATION PLAN



TIE BEAM PLAN

SCHEDULE OF COLUMN

COL. MKD.	FOUNDATION TO 1ST. FL. LEV.	1ST. FL. LEV. TO 3RD. FL. LEV.	3RD. TO ROOF AND ABOVE
C1	400 × 250; 4–16 ⌀ + 4–12 ⌀ LINKS 8 ⌀ @ 150 C/C (2–AT EACH LEVEL)	400 × 250; 8–12 ⌀ LINKS 8 ⌀ @ 150 C/C (2–AT EACH LEVEL)	400 × 250; 8–12 ⌀ LINKS 8 ⌀ @ 150 C/C (2–AT EACH LEVEL)
C2	400 × 250; 8–20 ⌀ LINKS 8 ⌀ @ 150 C/C (2–AT EACH LEVEL)	400 × 250; 8–16 ⌀ LINKS 8 ⌀ @ 150 C/C (2–AT EACH LEVEL)	400 × 250; 4–16 ⌀ + 4–12 ⌀ LINKS 8 ⌀ @ 150 C/C (2–AT EACH LEVEL)
C3	400 × 250; 8–20 ⌀ LINKS 8 ⌀ @ 150 C/C (2–AT EACH LEVEL)	400 × 250; 4–20 ⌀ + 4–16 ⌀ LINKS 8 ⌀ @ 150 C/C (2–AT EACH LEVEL)	400 × 250; 8–16 ⌀ LINKS 8 ⌀ @ 150 C/C (2–AT EACH LEVEL)
C4	500 × 250; 10–20 ⌀ LINKS 8 ⌀ @ 150 C/C (3–AT EACH LEVEL)	500 × 250; 4–20 ⌀ + 6–16 ⌀ LINKS 8 ⌀ @ 150 C/C (3–AT EACH LEVEL)	500 × 250; 6–16 ⌀ + 4–12 ⌀ LINKS 8 ⌀ @ 150 C/C (3–AT EACH LEVEL)

Revalidated upto 31-12-2023
Approved
Pradhan 02.11.19
Sihar Gram Panchayet

Approved
Pradhan
Sihar Gram Panchayat 12.12

For The Peerless General Finance & Investment Co. Ltd.
P. P. Ray
Vice-President (Compliances & Legal)

SIGN. OF OWNER

PROJECT :
PROPOSED G+IV STORIED HOUSING COMPLEX AT DAG NO.– 536, 641 & 642, OF MOUZA – HALDI, J.L. NO. 165, P.S. – KOTOLPUR, JAIRAMBATI, DIST. – BANKURA.

TITLE :
FOUNDATION PLAN, TIE BEAM PLAN, FIRST FLOOR PLAN, SCHEDULE OF FOUNDATION, COLUMN, TIE BEAM, DETAIL OF FOUNDATION, STAIR. (FOR BLDG.NO. 2,3,4,7,8,9)

TYPE OF DRAWING : PANCHAYET DRAWING

CLIENT : PEERLESS GENERAL FINANCE & INVESTMENT CO. LTD.

DRAWN : S. GHOSH	CHECKED :	SCALE : 1:100,1:25,1:20
APPVD. :	JOB NO. : K1109	DATE : 07.12.2012

MUKHERJEE & ALLIANCES ENGINEERS PVT. LTD.
JABAKUSUM HOUSE, 34, CHITTARANJAN AVENUE
KOLKATA – 700 012

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