

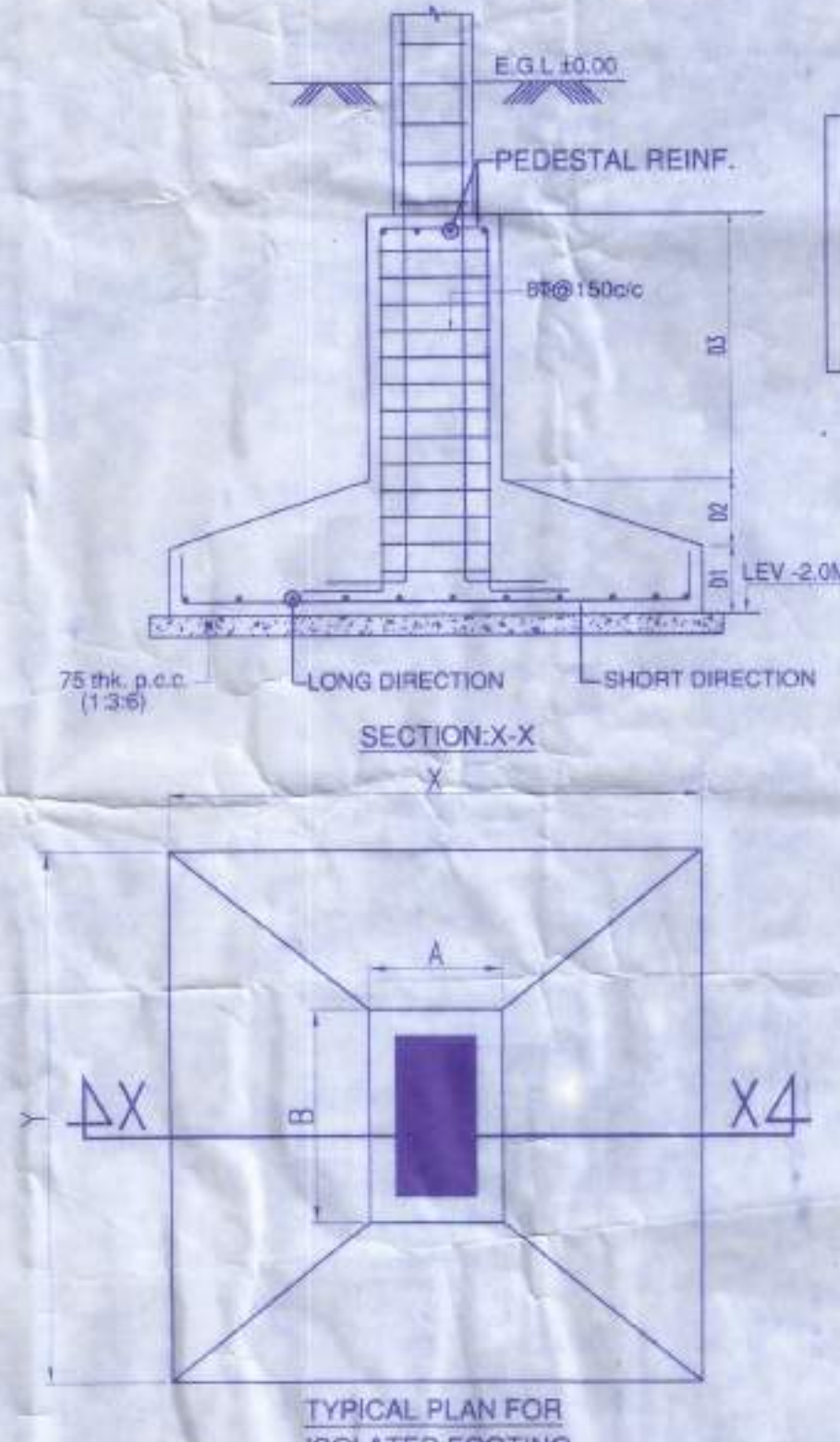
NOTE:-
EXPANSION GAP WILL BE PROVIDED IN EVERY 45.0M INTERVAL.
ANY BEAM SECTION OF SPAN MORE THAN 5.0 M = 250X550 MM.
ANY BEAM SECTION OF SPAN LESS THAN 5.0 M SPAN = 250X425 MM.

REIN. SCHEDULE OF SLAB

REIN. MKD.	SPACING
a	8ϕ@100 c/c (bott st.)
b	8ϕ@100 c/c (top st.)
c	8ϕ@150 c/c (bott st.)
d	8ϕ@150 c/c (top st.)

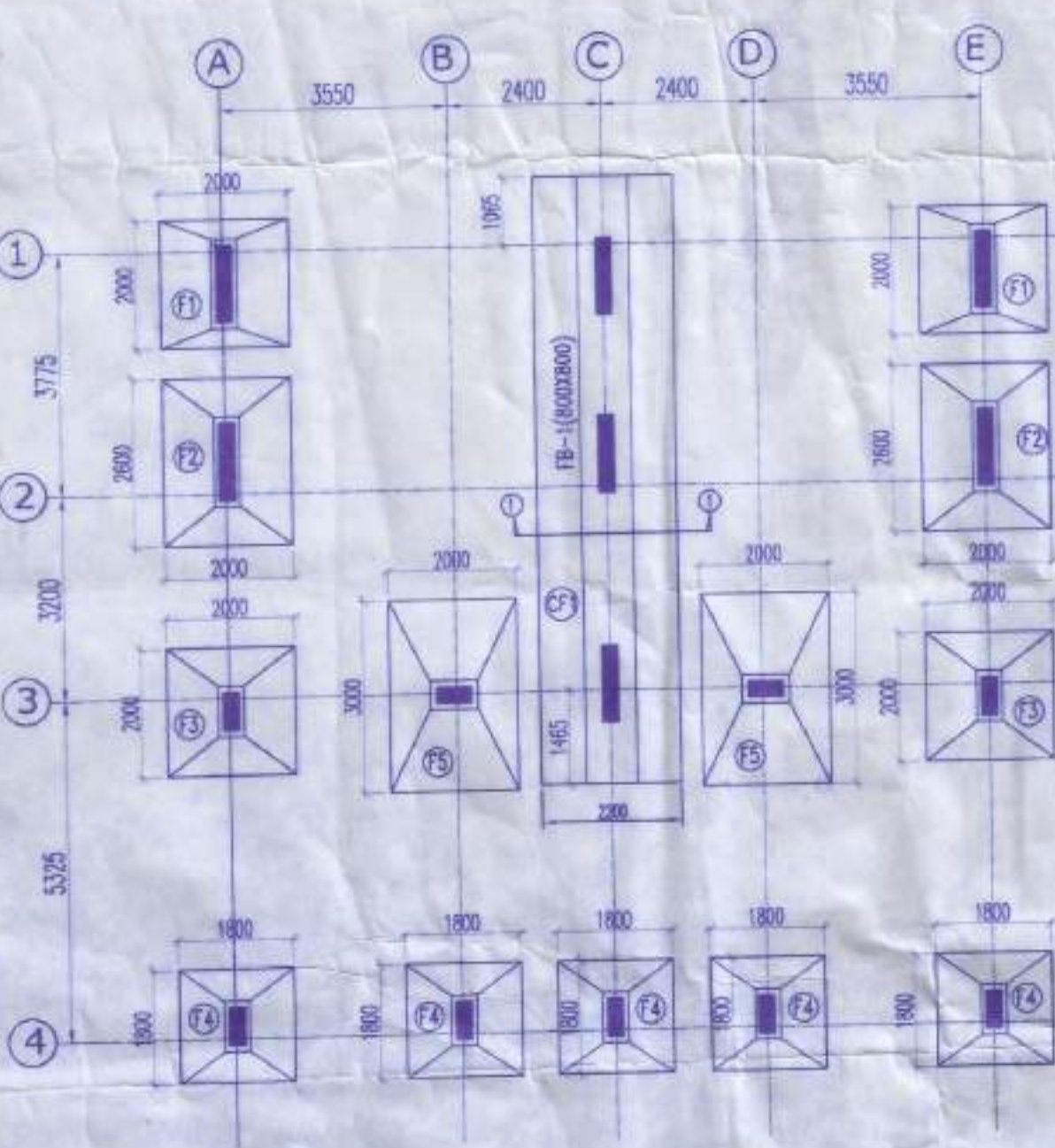
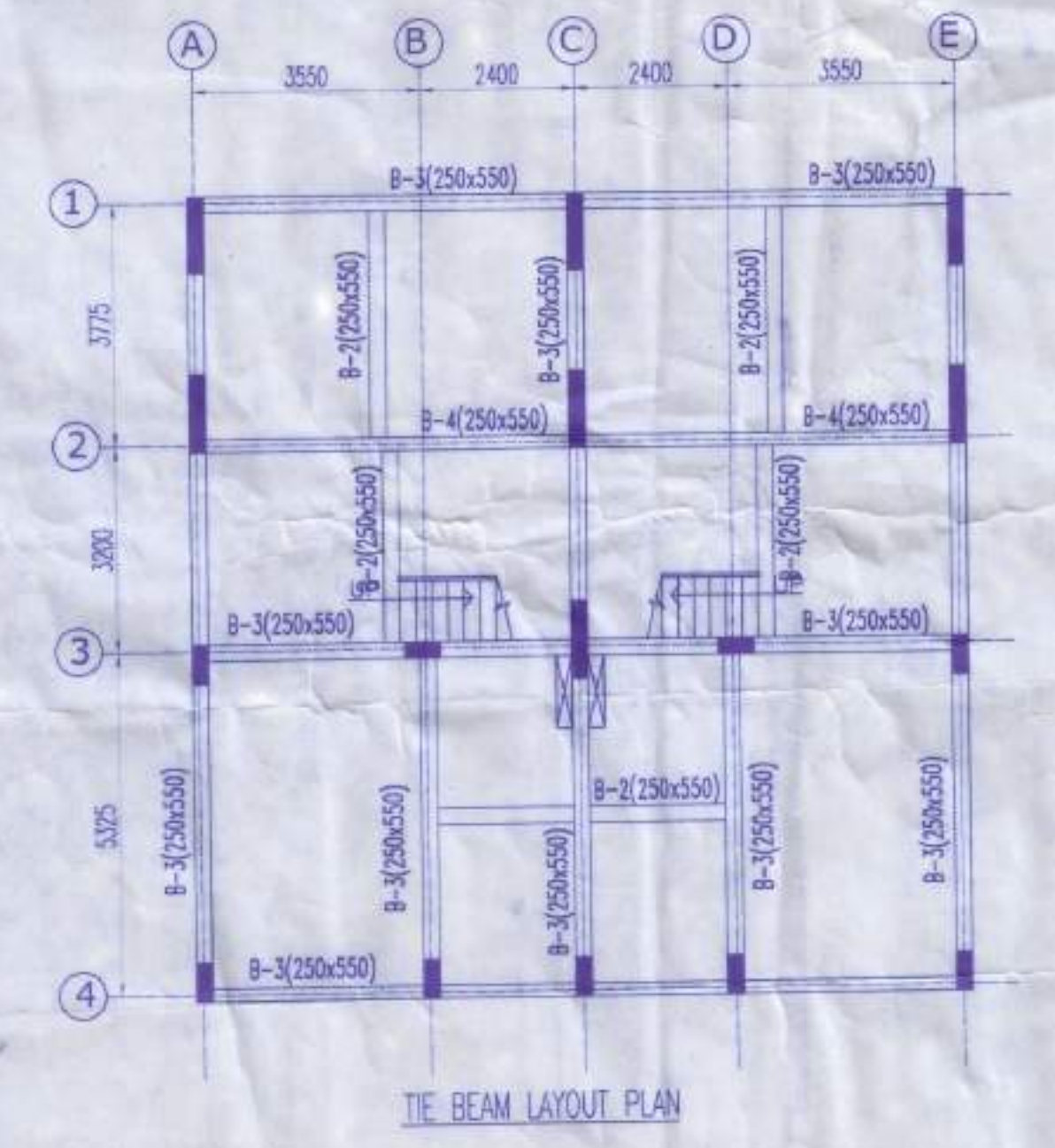
TIE BEAM SCHEDULE

BEAM NO.	SECTION AT SUPPORT(M25)	SECTION AT SPAN(M25)
B-1 (250X500)	2-16ϕ (ath.) 1-16ϕ (ext.) 8ϕ@100c/c 2-16ϕ+1-12ϕ (ath.)	2-16ϕ (ath.) 8ϕ@150c/c 2-16ϕ+1-12ϕ (ath.)
B-2 (250X500)	2-16ϕ+1-12ϕ (ath.) 8ϕ@150c/c 2-16ϕ (ath.)	2-16ϕ+1-12ϕ (ath.) 8ϕ@150c/c 2-16ϕ (ath.)
B-3 (250X500)	2-20ϕ (ath.) 2-20ϕ (ext.) 8ϕ@100c/c 2-20ϕ+1-16ϕ (ath.)	2-20ϕ (ath.) 8ϕ@150c/c 2-12ϕ (ext.) 2-20ϕ+1-16ϕ (ath.)
B-4 (250X500)	3-20ϕ (ath.) 2-20ϕ (ext.) 8ϕ@100c/c 3-20ϕ (ath.)	3-20ϕ (ath.) 8ϕ@125c/c 2-20ϕ (ext.) 3-20ϕ (ath.)



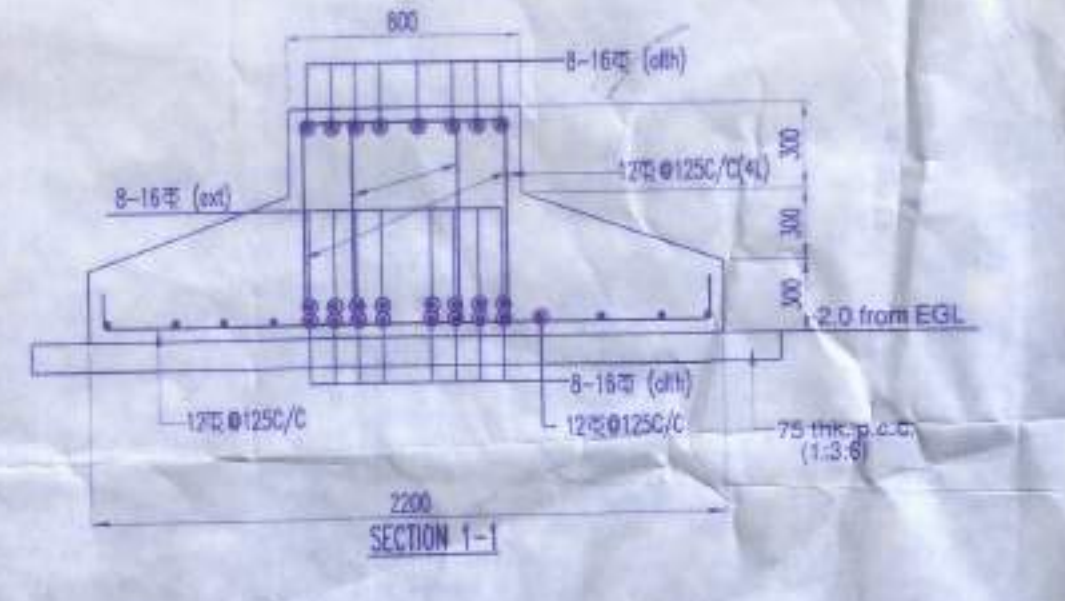
1ST. FLOOR BEAM SCHEDULE

BEAM NO.	SECTION AT SUPPORT(M25)	SECTION AT SPAN(M25)
B-1 (250X500)	3-20ϕ (ath.) 3-20ϕ (ext.) 10ϕ@100c/c 3-20ϕ (ath.)	3-20ϕ (ath.) 10ϕ@125c/c 2-20ϕ (ext.) 3-20ϕ (ath.)
B-2 (250X500)	2-20ϕ (ath.) 2-20ϕ (ext.) 8ϕ@100c/c 3-20ϕ (ath.)	2-20ϕ (ath.) 8ϕ@150c/c 2-16ϕ (ext.) 3-20ϕ (ath.)
B-3 (250X500)	2-20ϕ (ath.) 8ϕ@150c/c 2-20ϕ (ath.)	2-20ϕ (ath.) 8ϕ@150c/c 2-20ϕ (ath.)



REINFORCEMENT SCHEDULE OF FOOTING

FOOTING MKD.	X	Y	A	B	D1	D2	D3	REINFORCEMENT IN X-X DIRECTION	REINFORCEMENT IN Y-Y DIRECTION
F1	2000	2000	400	1400	300	300	650	12ϕ@125c/c	12ϕ@125c/c
F2	2000	2600	400	1400	300	300	650	12ϕ@125c/c	12ϕ@125c/c
F3	2000	2000	400	800	300	300	650	12ϕ@125c/c	12ϕ@125c/c
F4	1800	1800	400	800	300	300	650	12ϕ@125c/c	12ϕ@125c/c
F5	2000	3000	400	750	350	300	650	12ϕ@90c/c	12ϕ@90c/c
F6	750	750	400	750	300	300	650	12ϕ@125c/c	12ϕ@125c/c



2ND. FLOOR BEAM SCHEDULE

BEAM NO.	SECTION AT SUPPORT(M25)	SECTION AT SPAN(M25)
B-1 (250X500)	3-20ϕ (ath.) 3-20ϕ (ext.) 10ϕ@100c/c 3-20ϕ (ath.)	3-20ϕ (ath.) 10ϕ@125c/c 2-20ϕ (ext.) 3-20ϕ (ath.)
B-2 (250X500)	2-20ϕ (ath.) 2-20ϕ (ext.) 8ϕ@100c/c 3-20ϕ (ath.)	2-20ϕ (ath.) 8ϕ@150c/c 2-16ϕ (ext.) 3-20ϕ (ath.)
B-3 (250X500)	2-20ϕ (ath.) 8ϕ@150c/c 2-20ϕ (ath.)	2-20ϕ (ath.) 8ϕ@150c/c 2-20ϕ (ath.)

COLUMN SCHEDULE

COL. MARK	SIZE	FDN. TO ROOF
C1,C3,C4, C6,	250x1200	20-20ϕ WITH LINK SEC.-1
C2,C5,	250x1200	8-20ϕ+12-16ϕ WITH LINK SEC.-1
C9,	250x1200	24-20ϕ WITH LINK SEC.-1
C7,C11, C12,C16,	250x600	6-20ϕ+4-16ϕ WITH LINK SEC.-1
C8,C10,	250x550	12-20ϕ WITH LINK SEC.-1
C13,C14, C15,	250x600	10-20ϕ WITH LINK SEC.-1

COL. MARK	SIZE	FDN. TO TIE BEAM
C1a,	250x300	6-16ϕ WITH LINK SEC.-1

NAME OF OWNERS
 1) SRI PARAMESHWAR RAO NALLA
 S/O. LATE KRISHNA MURTHY NALLA
 2) SMT. JAYA RAO NALLA
 W/O. PARAMESHWAR RAO NALLA
 3) ASTAVINAYAK INFRAPROPERTIES
 PRIVATE LIMITED REPRESENT ONE
 OF ITS DIRECTOR NAMEDLY SRI
 ASWANI KUMAR AGARWAL

CERTIFIED THAT THE STRUCTURAL DRAWINGS AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING/BUILDINGS HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT (AS PER THESE RULES AND REGULATIONS MADE UNDER THE ACT) AND ALSO CONSIDERING ALL POSSIBLE LOADS, SEISMIC LOADS AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER THE BUREAU OF INDIA STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.

Mainak Majumdar
 B.C.E., M.C.E. (Struct)
 ESE-152/1 of KMC
 ESR- (I), 152/4
 074/RJPSON/ESE/11-12
 SIGNATURE OF STRUCTURAL ENGINEER

TITLE :-
 TIE BEAM, COLUMN, 1ST. FLOOR, 2ND. FLOOR BEAM & SLAB LAYOUT-PLAN, WITH SCHEDULE & SECTION

TYPE OF DRAWING:-
 SANCTION DRAWING

PROJECT NAME:-
 PROPOSED G+II STORIED RESIDENTIAL BUNGALOWS & G+I STORIED COMMUNITY HALL AT MOUZA - BARAGHARIA, PARGANA - PATHARGHATA, PLOT NO. 45 (L.R.), 04(R.S.); KHATIAN NO. 336,337,2163; J.L. NO. 82, P.S.- MATIGARA & DIST- DARJEELING, WEST BENGAL (UNDER PATHARGHATA, GRAM PANCHAYET)

ARCHITECTS
PRABHAT DESIGN STUDIO
 architecture interior landscape
 EKTA FLORAL, BLOCK 04, FLAT 10C
 KOLKATA - 700046

STRUCTURAL CONSULTANT :-
ADROIT CONSULTANT
 10/3 Panchanatala Road
 Kolkata - 700029

DRAWN BY- D.A
 CHKD. BY- MM
 SCALE:- 1:100,50,25
 DATE:- 2.03.2022



DRG NO.-
 SILIGURI/MS/ST-01