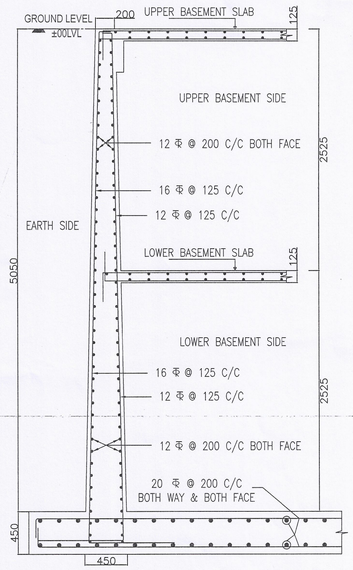
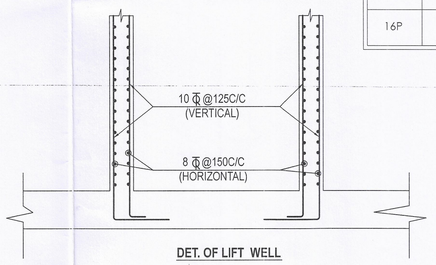


R.C.C DETAIL OF RETAINING WALL

SCALE-1:20



DET. OF LIFT WELL

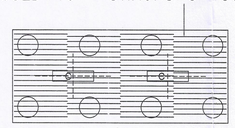
SCALE – 1:20

SCHEDULE OF PILE CAP

GRADE OF CONCRETE-M40

PILE CAP GROUP	THICKNESS	MAIN REINF. (BOT.)	MAIN REINF. (TOP)	SHEAR REINF.
3P	1500	20ক @ 150 C/C B.W.	12ক @ 200 C/C B.W.	————
5P	1200	25ক @ 175 C/C B.W.	12ক @ 200 C/C B.W.	8 L-10ক @ 150 C/C
6P	1200	20ক @ 150 C/C B.W.	12ক @ 200 C/C B.W.	8 L-10ক @ 150 C/C
8P	1200	20ক @ 150 C/C B.W.	12ক @ 200 C/C B.W.	16 L-10ক @ 150 C/C
9P	1200	25ক @ 125 C/C B.W.	12ক @ 200 C/C B.W.	12 L-10ক @ 150 C/C
10P	1200	20ক @ 150 C/C B.W.	12ক @ 200 C/C B.W.	————
12P	1200	20ক @ 150 C/C B.W.	12ক @ 200 C/C B.W.	32 L-12ক @ 125 C/C
16P	1200	20ক @ 150 C/C B.W.	12ক @ 200 C/C B.W.	42 L-12ক @ 100 C/C

8 LEGGED–10 ক STIRUPS @ 150 C/C



TYPICAL PLAN OF PILE CAP

SCHEDULE OF COLUMN

GRADE OF CONCRETE-M40

COLUMN MKD.	FOUNDATION TO 6TH. FLOOR	6TH. FLOOR TO 11TH. FLOOR	11TH. FLOOR TO ROO
C1, C2, C3, C5, C6, C9, C10, C11, C12, C23, C27, C28, C29, C30, C31, C32, C33, C35, C36	400, 2525, 25 NOS, 900, 16– NOS 25 ক, 8 ক @ 100 C/C & 200 C/C (4 NOS / SET)	400, 2020, 20 NOS, 900, 16– NOS 20 ক, 8 ক @ 100 C/C & 200 C/C (4 NOS / SET)	400, 1616, 16 NOS, 900, 16– NOS 16 ক, 8 ক @ 100 C/C & 200 C/C (4 NOS / SET)
C4,C7, C8, C13, C14, C15, C16, C17, C18, C19, C20, C11, C22, C24, C25, C26, C34	300, 25, 25 NOS, 1200, 16– NOS 25 ক, 8 ক @ 100 C/C & 200 C/C (2 NOS / SET) & 4 NOS LINK	300, 20, 20 NOS, 1200, 16– NOS 20 ক, 8 ক @ 100 C/C & 200 C/C (2 NOS / SET) & 4 NOS LINK	300, 16, 16 NOS, 1200, 16– NOS 16 ক, 8 ক @ 100 C/C & 200 C/C (2 NOS / SET) & 4 NOS LINK

STATEMENT OF THE PROPOSAL

STRUCTURAL DETAIL OF PROPOSED B1 + B2 + G + 12 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING AT ANDAL UKHARA ROAD, ON R.S. & L.R. PLOT NO.- 1164, L.R. KH. NO.- 2689, 1664, 2121, 3114, 3328. MOUZA- BHADUR, J.L. NO.- 42 ,P.S.- ANDAL, DIST- PASCHIM BARDHAMAN, PIN.- 713321, UNDER- ANDAL GRAM PANCHYET.

LAND OWNERS:

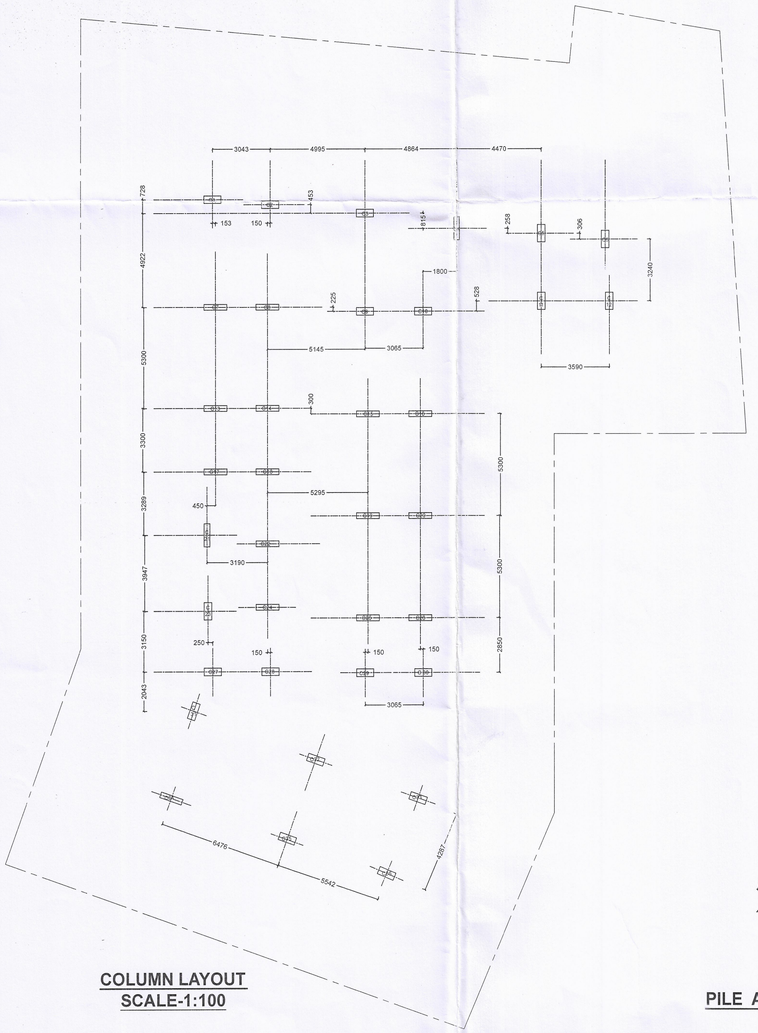
1) BE HOMES DEVELOPERS PVT. LTD.
2) KOUSHIK MUKHERJEE, S/O UJJAL KANTI MUKHERJEE,
3) UJJAL KANTI MUKHERJEE, S/O NIMAI SEWAK MUKHERJEE
4) TRINA MUKHERJEE, W/O KOUSHIK MUKHERJEE,
5) MRS. REKHA MUKHERJEE, W/O UJJAL KANTI MUKHERJEE

NOTES :

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. M25 & M40 CONCRETE & Fe500 STEEL TO BE USED.
3. ALL STRUCTURAL DRAWINGS TO BE CO-RELATED WITH RELEVANT ARCHITECTURAL DRAWING BEFORE CONSTRUCTION.
4. ALL LAYOUT SHALL BE MADE ON THE BASIS OF RELEVANT ARCHITECTURAL DRAWINGS.
5. CLEAR COVER FOR SLAB - 20MM, BEAM - 25MM, COLUMN - 40MM PILES - 50MM, RETAINING WALL - 40MM
6. LAP LENGTH IN BEAMS AND COLUMNS SHALL BE 50 TIMES DIA OF ROD.
7. BEARING CAPACITY SPECIFIED IN SOIL REPORT.
8. PROVISIONS OF RELEVANT IS CODES SHALL APPLY IF NOT MENTIONED OTHERWISE.
9. SUITABLE SLOPE, NOSING, SLAB EXTENSION SHALL BE PROVIDED AS AND NECESSARY.
10. THE PROJECTION OF PILE IN THE PILE CAP SHALL BE 75 MM AND THE EDGES SHALL EXTEND BY 150 MM BEYOND THE CIRCUMFERENCE OF THE PILES.

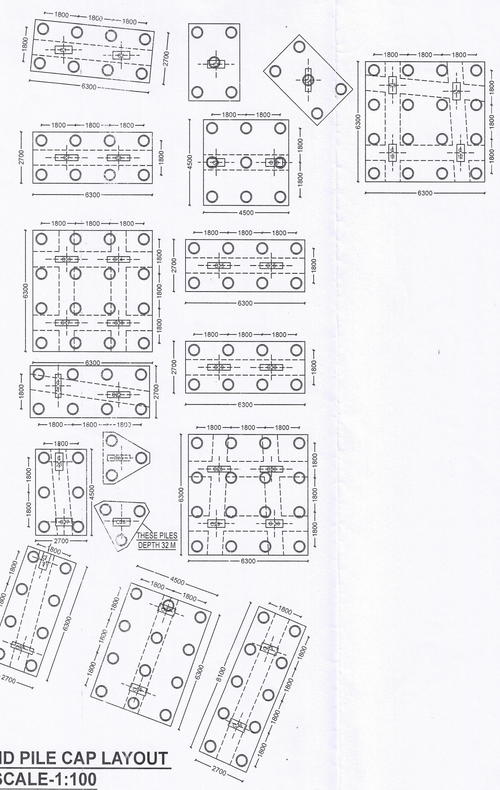
Dr. Sujoy Sarkar
Geotechnical Engineer
B.C.E, M.C.E, Ph.D (JU)
MIGS, M.ASCE,KMC Class-I
GT/1/20
Chartered Engineer (I)
30.04.2025

SIGNATURE OF GEO-TECHNICAL ENGINEER



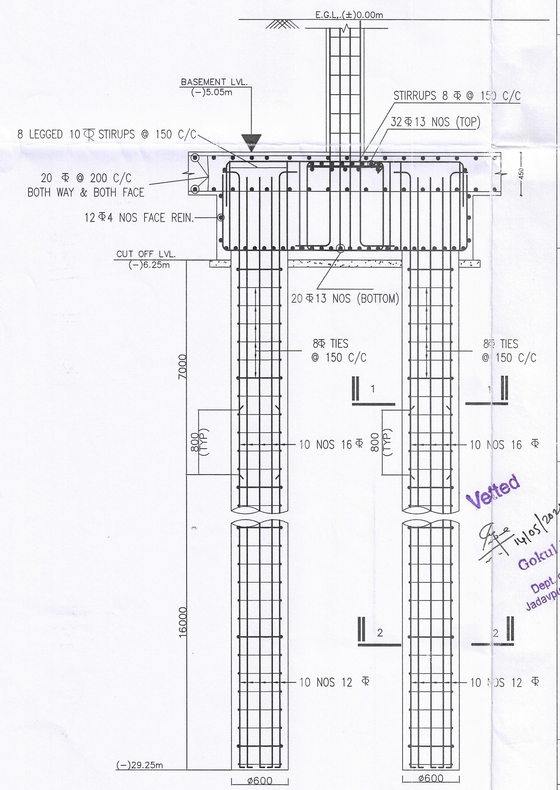
COLUMN LAYOUT

SCALE-1:100



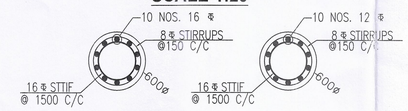
PILE AND PILE CAP LAYOUT

SCALE-1:100



DETAILS OF PILE AND PILE CAP

SCALE-1:20



SECTION 1-1
SCALE :1:20

SECTION 2-2
SCALE :1:20

Vetted
14/05/2025
Gokul Mondal, PhD
Professor
Dept. of Construction Engg.
Jadavpur University, Kolkata-108

30/04/2025
PABAN MANDAL
B.E. (Civil) CIVIL., MIE.MICI, MIRC
CHARTERED ENGINEER (INDIA)
M-060229/3
KMC/ESE/II/276

SIGNATURE OF STRUCTURAL ENGINEER

SOUMENDU BISWAS
Architect, City Planner,
Regd. No.: CA/89/12599,
10/2, C. N. Roy Road,
Kolkata - 700 039.
29/04/25

SIGNATURE OF ARCHITECT

BE HOME DEVELOPERS PVT. LTD.
Director

1. Koushik Mukherjee
2. Ujjal Kanti Mukherjee
3. Koushik Mukherjee
4. Trina Mukherjee
5. Rekha Mukherjee

ZILLA PARISHAD Paschim Bardhaman

SIGNATURE OF OWNER

TITLE:

COLUMN, PILE & PILE-CAP LAYOUT, DETAIL OF RETAINING WALL, COLUMNS AND PILE FOUNDATIONS

DATE	SHEET
12/05/2025	1 OF 2

N

Pradhan 29.4.25
Andal Gram Panchayat,
Andal, Paschim Bardhaman