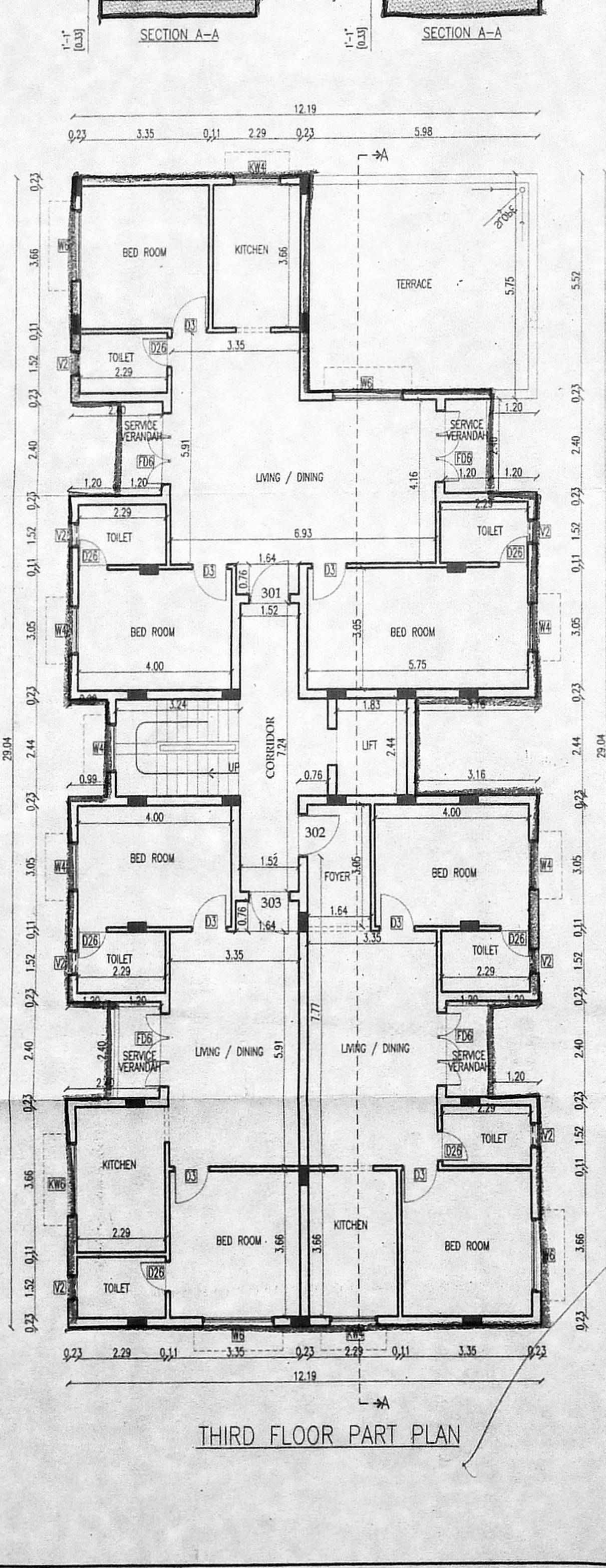
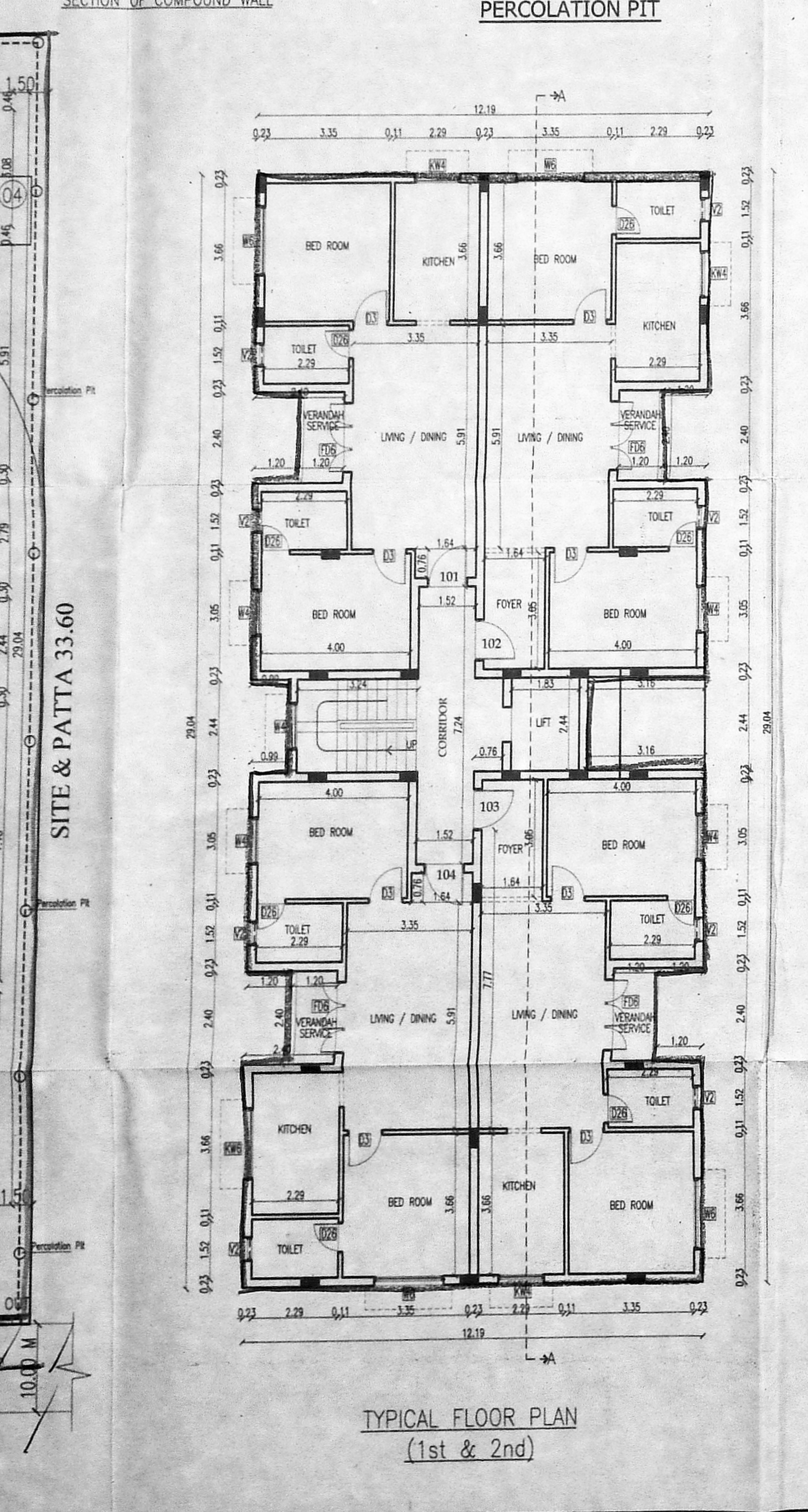
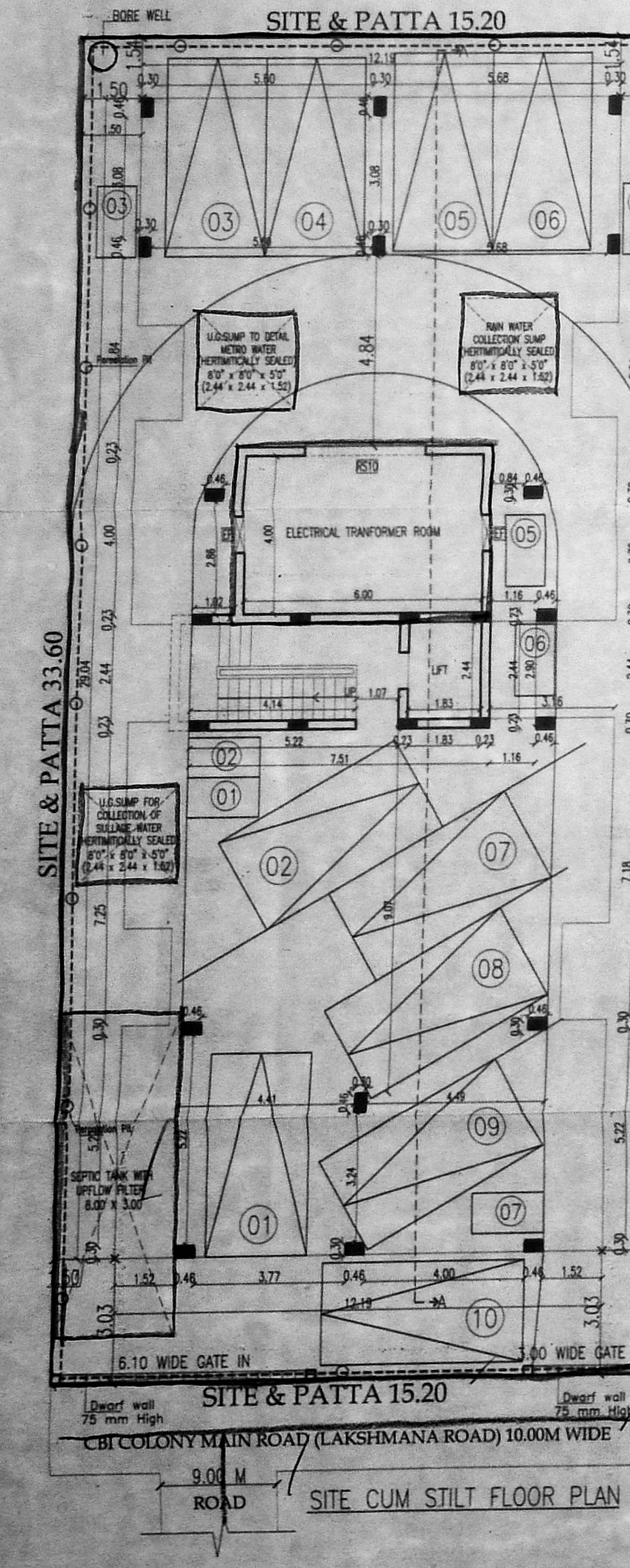


No. of dwelling : 11 nos
 No. of users : 11 x 5 = 55
 assume a standard 2 nos. : 2 x 11 = 22 nos.
 of fixture units per dwelling : 22 x 6 Liters = 132 liter per minutes
 Total no. of fixture units assume a packing : 22 x 6 Liters = 132 liter per minutes
 factor of 6 spm. fixture unit

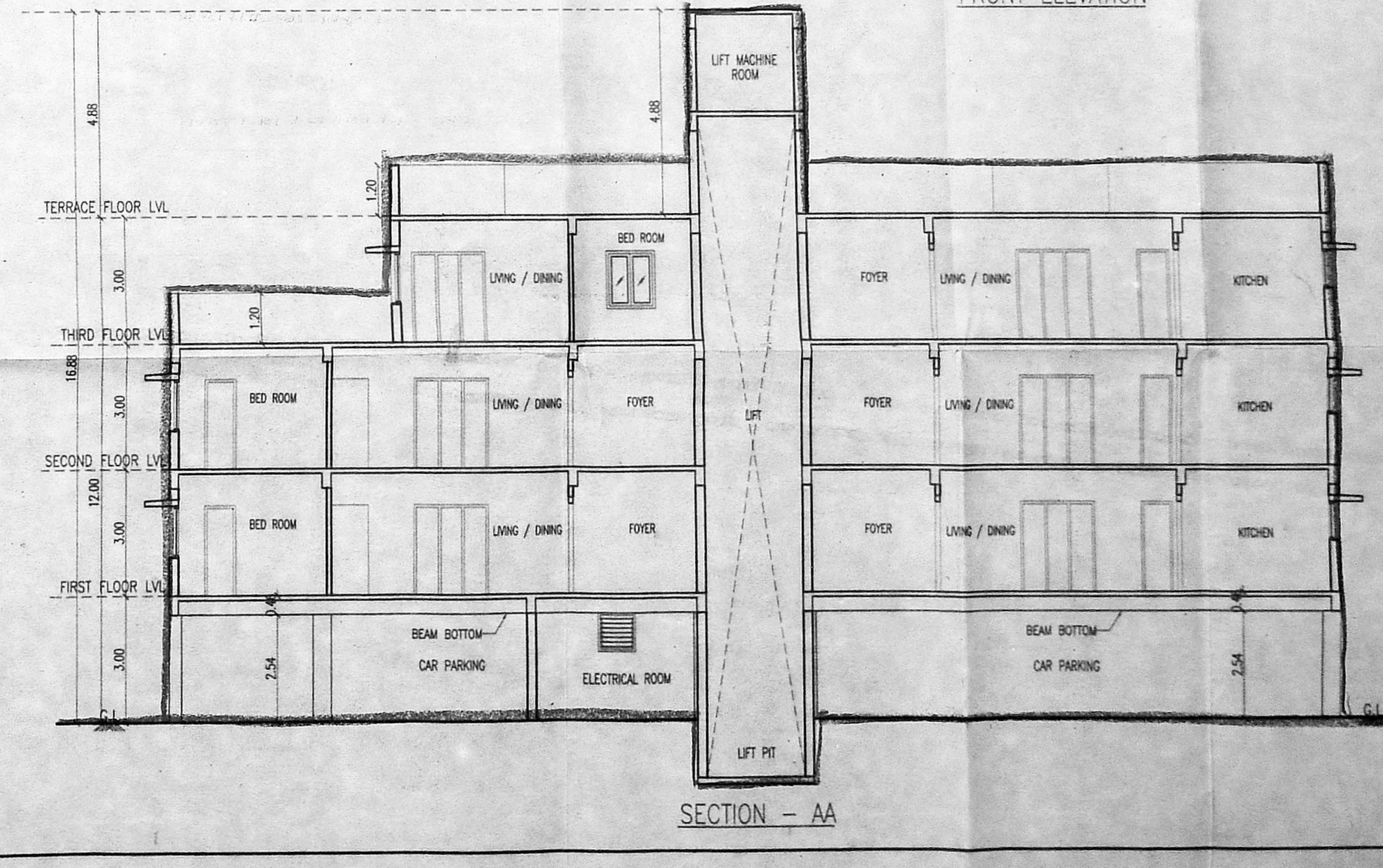
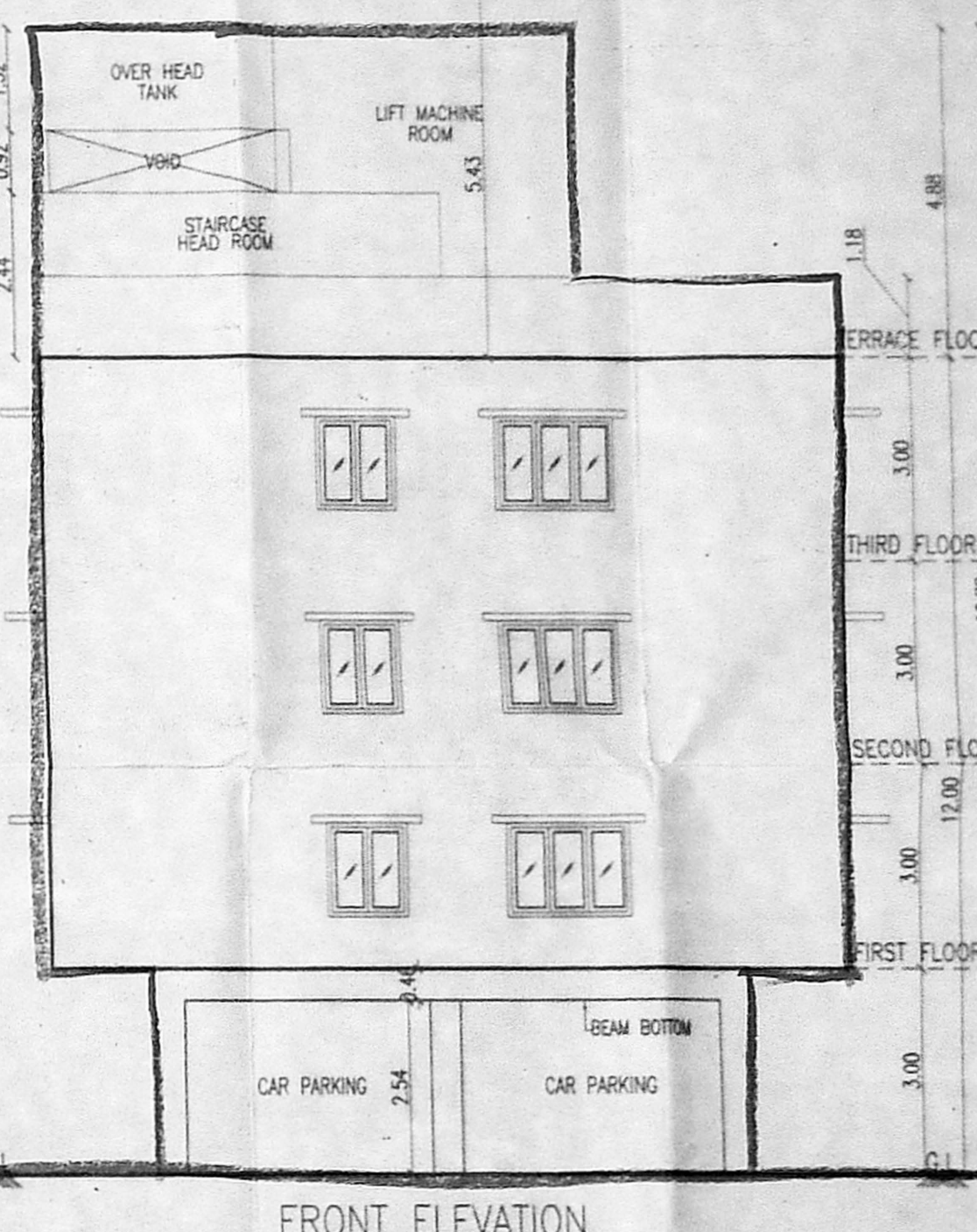
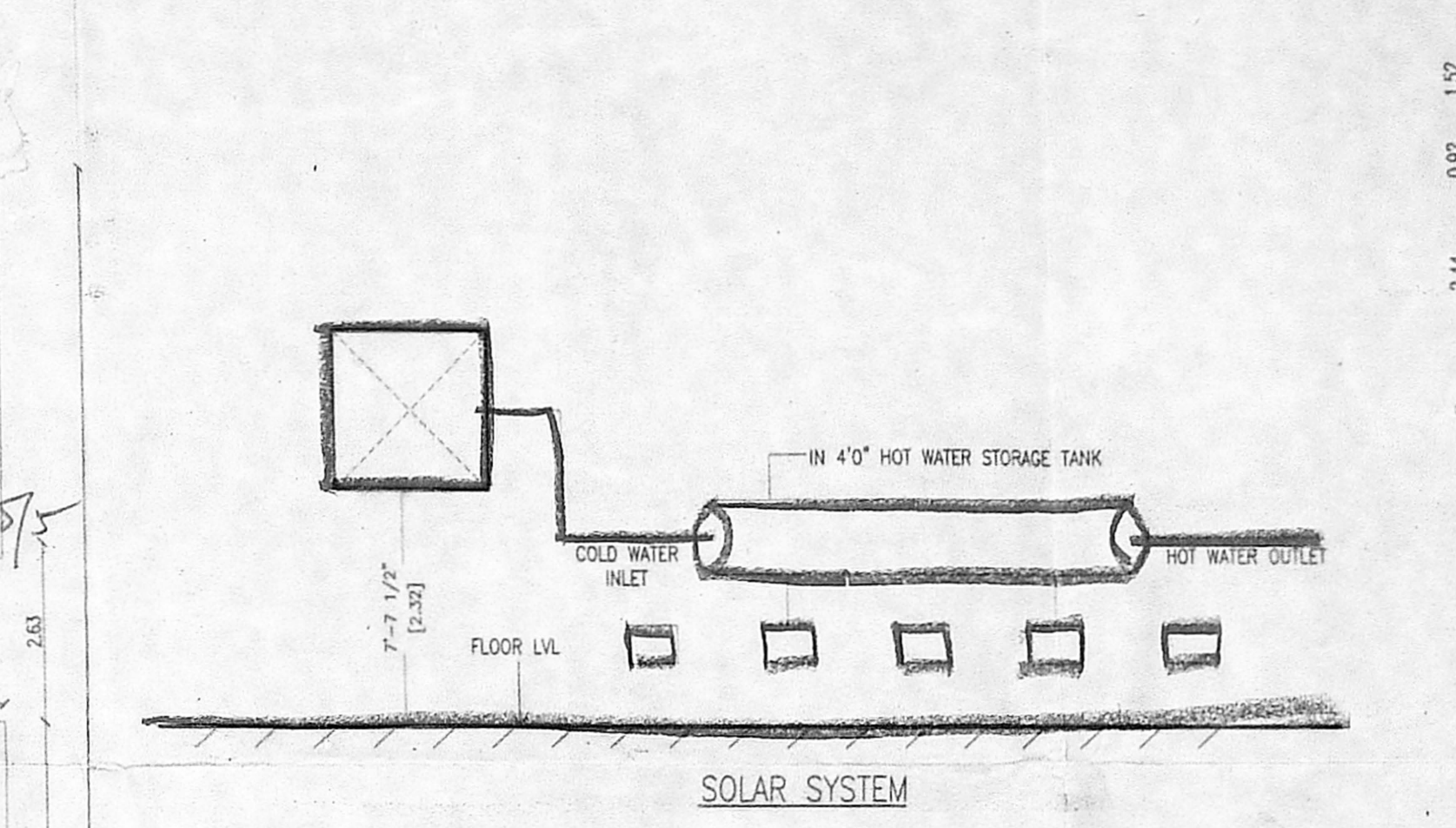
SEPTIC TANK
 Surface area required for the septic tank : 132 x 0.92 = 121.14 sq.m. say 12 sq.m
 Volume of free board : 12 x 0.30m = 3.6 cu.mt
 Volume of sedimentation : 12 x 0.30m = 3.6 cu.mt
 Volume of digestion : 55 x 0.033 = 1.815 cu.mt
 Volume of sludge : 55 x 365 x 0.0002 = 4.015 cu.mt
 Total volume : 13.03 cu.mt
 Depth of Septic tank : 1.52 m
 Inlet pipe invert level assuming a : 0.60m
 Gradient of 1 in 8 starting from first chamber : 1.52m x 0.60m = 2.12m
 Total Liquid Depth : 1.52m + 0.60m = 2.12m
 Required size of septic tank : 2.54m x 3.70m x 2.12m
 UPFLOW FILTERS
 Capacity for 125 users : 55 x 0.045 = 2.475 cu.mt
 Depth (assumed) : 1.37 m
 Hence area of final effluent sump : 2.475 = 1.80
 1.37
 Size of final effluent sump : 1.05 x 2.54 x 1.37m
 Size of up flow filter (1) : 1.05 x 2.54 x 1.37m
 Size of up flow filter (2) : 1.05 x 2.54 x 1.37m



Planning Permission No. **BNHRB/741/2020**
APPROVED
 Subject to conditions mentioned in this office
 Letter No. **BNHRB/5(Let)/2020** dated **21.11.2020**
 For Senior Planner
 Non High Rise Buildings
Chennai Metropolitan Development Authority
 Chennai-600 008.
 This approval is valid only after Building Permits issued by the concerned Local Body

This Planning Permission as per the delegated powers given by Member Secretary, CMDA in Office Order No. 7/2019 dated 12.03.2019.

This Planning Permission issued under New Rule, TNCDPR, 2019 is subject to final outcome of the W.P.(MD) No.8948 of 2019, and WMP (MD) Nos. 6912 & 6913 of 2019.



CONSTRUCTION OF RESIDENTIAL BUILDING AT CBI COLONY MAIN ROAD (LAKSHMANA ROAD), PERUNGUDI, CHENNAI, BEARING S.NO. 225/55A/1B OF PERUNGUDI VILLAGE CORPORATION OF CHENNAI.

DIVISION : 184 ZONE : 14

SCHEDULE OF JOINERY		
TYPE	DESCRIPTION	SIZE
MD36	Door	3.00 X 2.13
D3	Window	1.22 X 1.37
D26	Window	0.76 X 2.13
W6	Window	2.12 X 1.37
W4	Window	1.22 X 1.37
W3	Window	0.91 X 1.37
KW4	Window	0.76 X 2.13
FD6	FRENCH DOOR	1.83 X 2.13
V2	VENTILATOR	0.61 X 0.91

SPECIFICATIONS
 R.C.C IN 1:1:2 FOR COLUMN FOOTING
 COLUMN AND PLINTH BEAM.
 P.C.C IN 1:4:8 FOR FOUNDATION BASE AND FLOOR BASE
 MOSAIC FLOOR FINISHING
 SUPERSTRUCTURE BRICK WORK IN CM 1:6 9" THK.
 R.C.C 1:1:2 FOR LINTEL SUNSHADE ROOF SLAB BEAMS.
 CEILING PLASTERING IN CM 1:3 AND 1:5 FOR WALLS.
 C. WOOD DOORS AND WINDOWS.
 2 COATS OF CEMENT PAINTING FOR WALLS AND CEILING.
 2 COATS OF ENAMEL PAINTING FOR WOOD WORK.
 PARAPET WALL IN B.W. 1:6 9" THK. 3'0" HT.

AREA STATEMENT

PLOT EXTENT (as per Patta)	500.00 SQ.M
PLOT EXTENT (as per site & document)	513.29 SQ.M
STILT FLOOR	28.79 SQ.M
FIRST FLOOR	332.32 SQ.M
SECOND FLOOR	332.32 SQ.M
THIRD FLOOR	299.00 SQ.M
TOTAL BUILDUP AREA	992.43 SQ.M
F.S.I	1.985

OWNER(S):
 S. Usha Rani, B.E. (CIVIL)
 STRUCTURAL ENGINEER GRADE-II (SE)
 CMDA REG. No. 5638/11/19/05/092
 No. 3/318, 1st Cross Street, Agalavananthapuram,
 Pochichalur, Chennai - 600 074.
 Email: usharani2718@gmail.com
 Mobile: 8056290209

LICENSED SURVEYOR:
 AR. PALANIVELU VISWANATHAN
 S. ARCH, FIA, FIV, AID
 REGD. ARCHITECT & VALUER
 CA No: CA/87/22519-R.V. No: P1330
 Reg. No: RA/02/11/19/05/088
 No. 85, 12th Avenue, Ashok Nagar,
 Chennai-600 083.