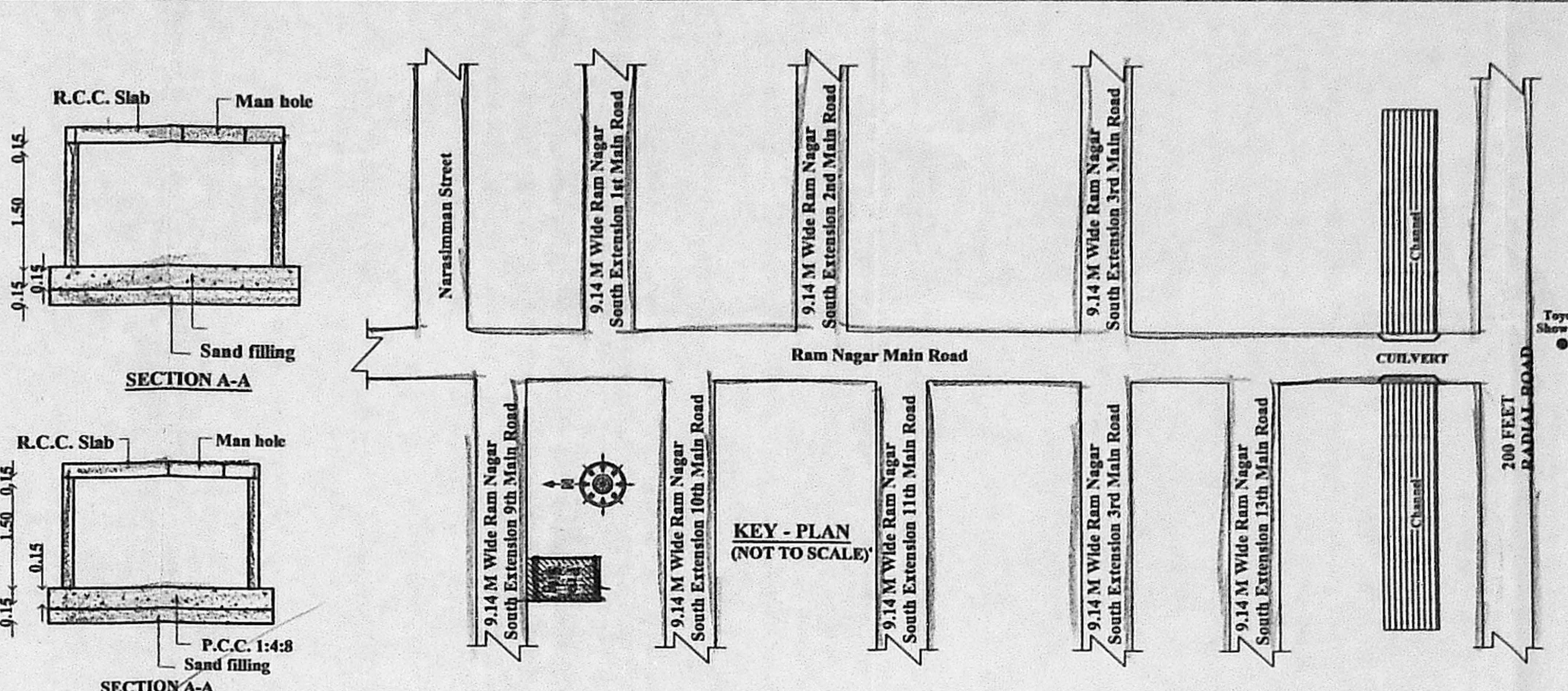
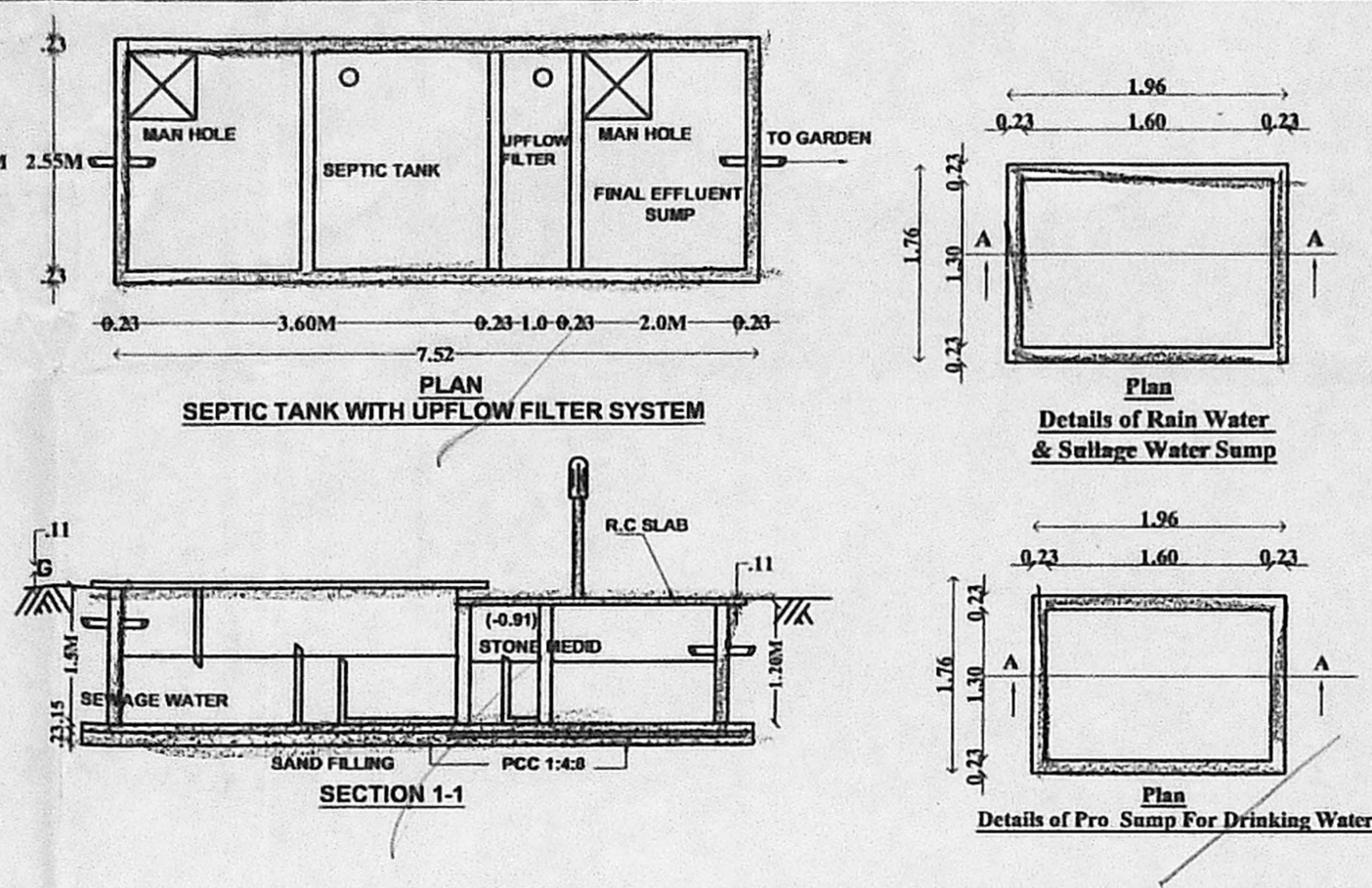
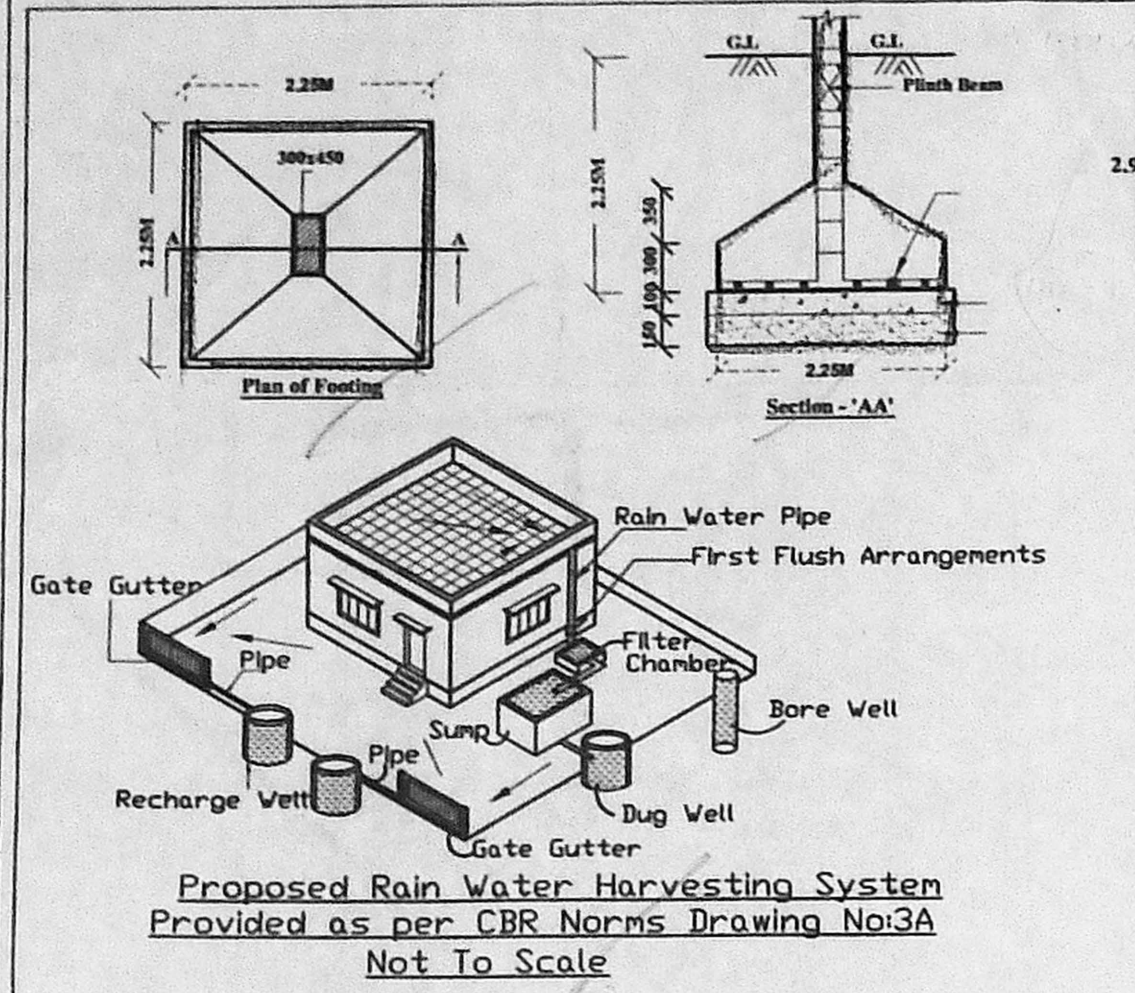
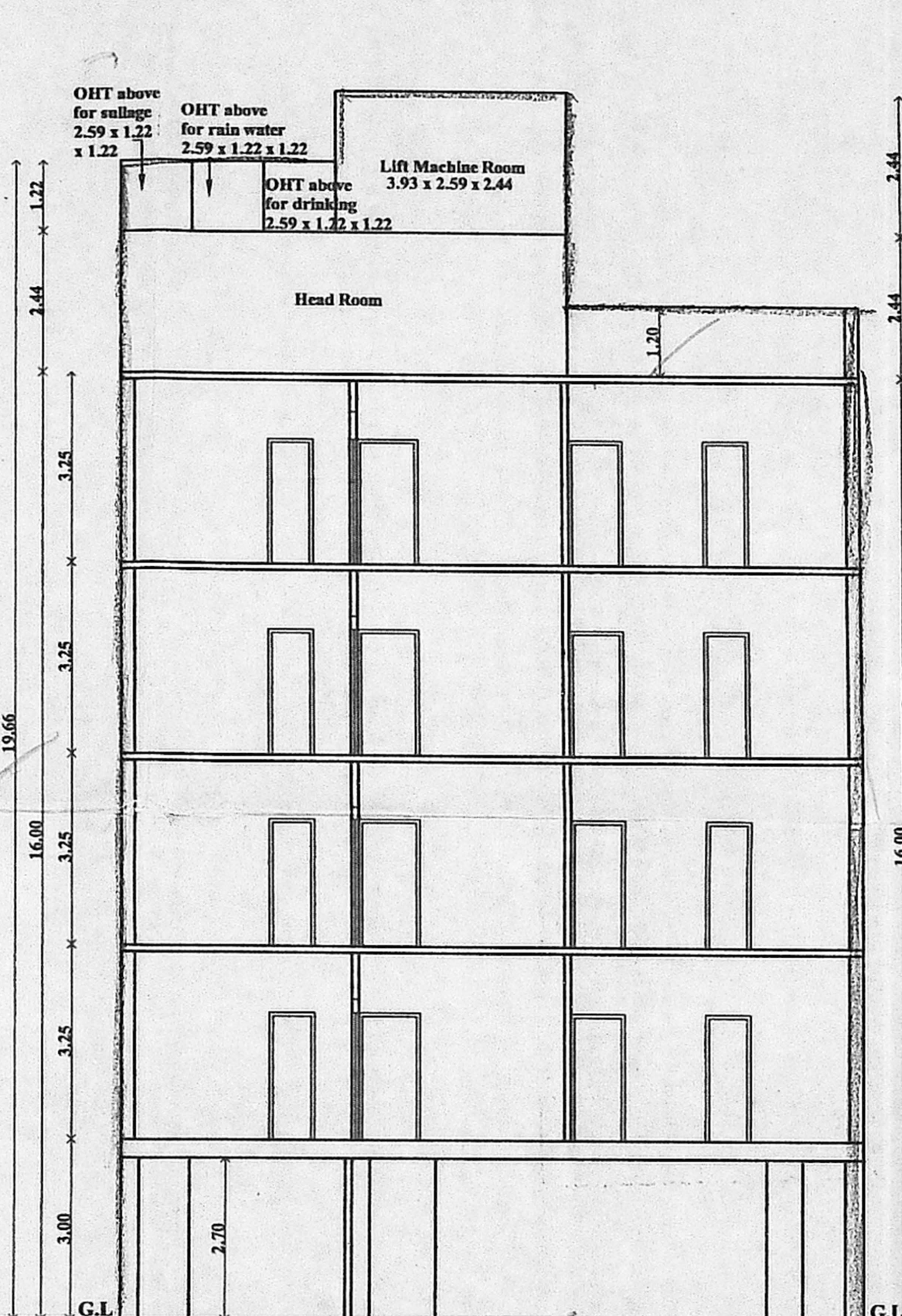
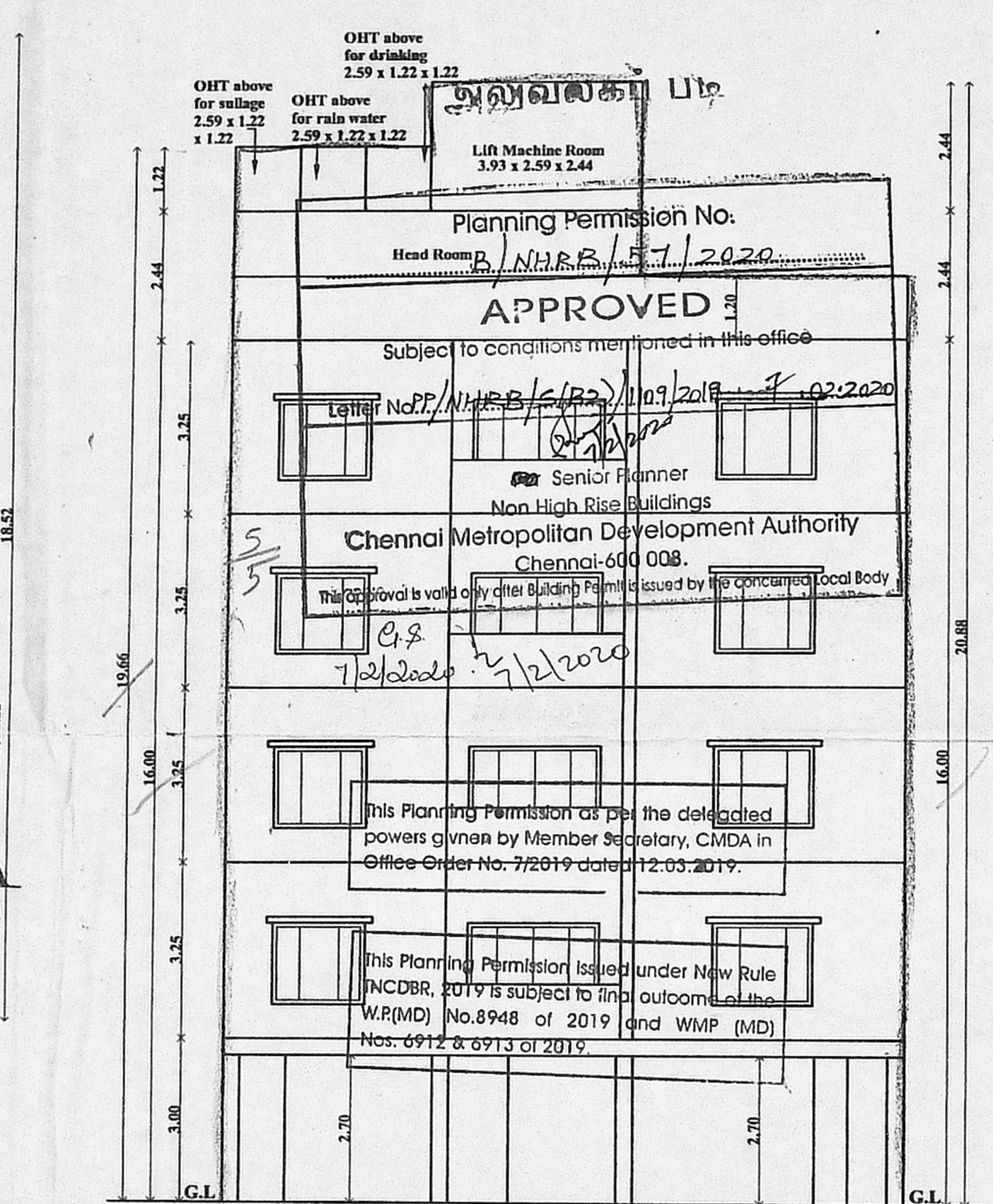
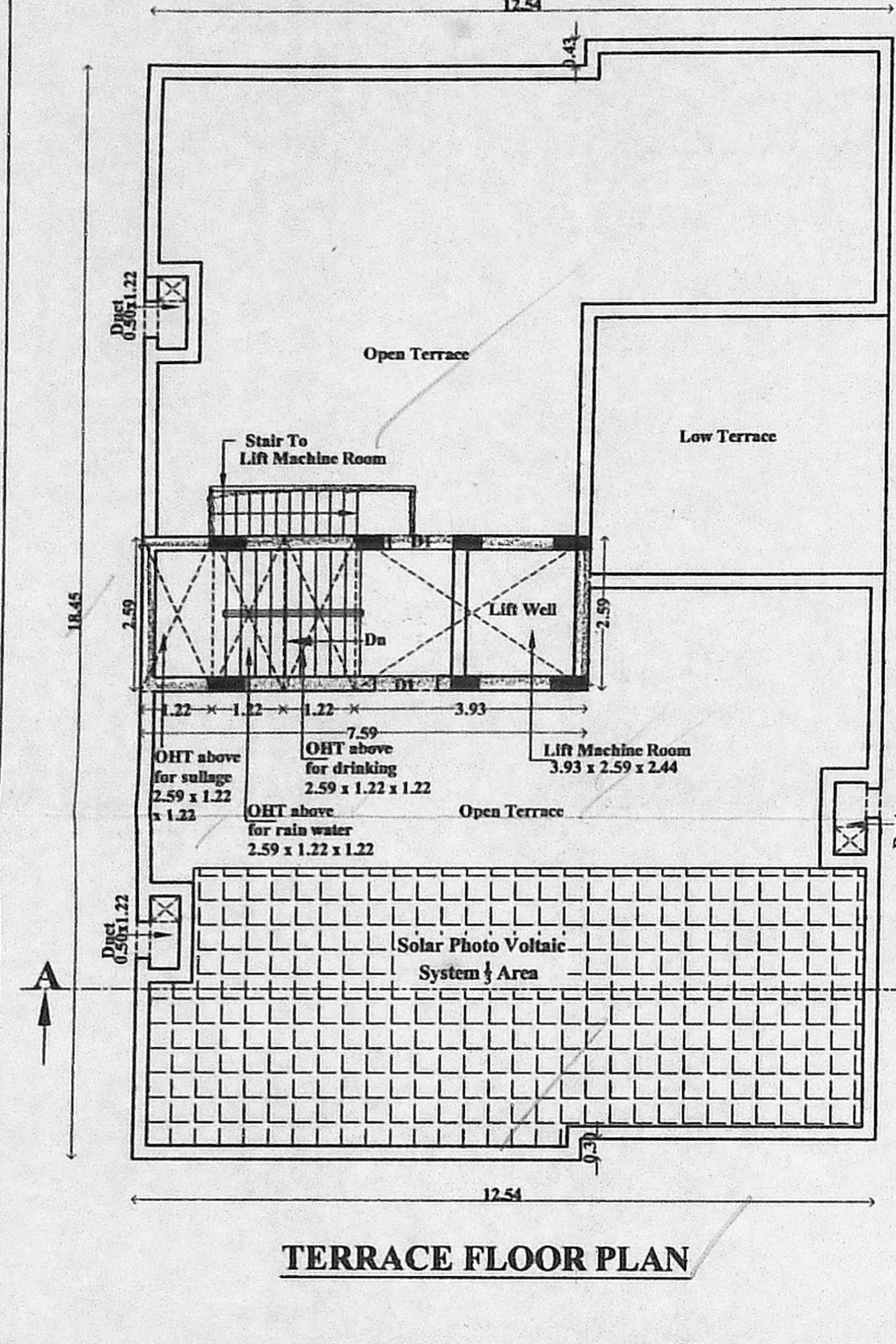


3/2/2020
அலுவலகப் படி



PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR RESIDENTIAL BUILDING
PLOT NO:208, RAM NAGAR
SOUTH EXTENSION 9TH STREET
PALLIKARANA, CHENNAI 600 091.
COMPRISED IN S. NO. 127/5B & 13/19B OF PALLIKARANA VILLAGE, WITHIN GREATER CHENNAI CORPORATION.
ZONE : XIV , DIVISION - 188



DESIGN OF SEPTIC TANK WITH UPFLOW FILTER

No. of Dwelling - 8
No. of User - 40
No. of fixtures in units - 12 Nos
Discharge Assuming King's Factor of 6 LPM/No - 12 x 6 = 72 LPM

Septic tank surface area = $72 \times \frac{0.92}{10} = 6.62$
Say = 7m²

Volume of free board = 7 x 0.3 = 2.1m³
Volume of sedimentation = 7 x 0.3 = 2.1m³
Volume of defecation = 60 x 0.032 = 1.92m³
Volume of sludge = 60 x 365 x 0.002 = 4.38m³
Total Volume = 10.50m³

Size of septic tank 2.55 x 3.60 x 1.50m

UPFLOW FILTER
Peak discharge for 60 Nos - 72 LPM
Volume 72 x 0.043 = 3.0
Take Depth = 1.20
Area required $\frac{3.0}{1.20} = 2.50$
Size of up flow filter 1 = 2.55 x 1.0 x 1.20
The clean outlet water from the up flow filter shall be used for gardening.

SPECIFICATION

SAND FILLING FOR FOUNDATION AND BASEMENT
P.C.C 1:4:8 FOR FOUNDATION AND BASEMENT
200mm BLOCK WORK WALLS IN C.M. 1:5
100mm BLOCK WORK WALLS IN C.M. 1:3
ALL R.C.C WORKS M 25 GRADE CONCRETE
CEILING PLASTERING IN CEMENT MORTAR 1:3
WEATHERING COURSE USING BRICK JELLY & LIME CONCRETE IN 1:3 RATIO
CLAY TILES IN TERRACE FLOOR USING CM 1:4
WALLS & CEILING WITH CEMENT PAINT
DOORS & WINDOWS WITH ENAMEL PAINT
CERAMIC FLOORING IN CM 1:3

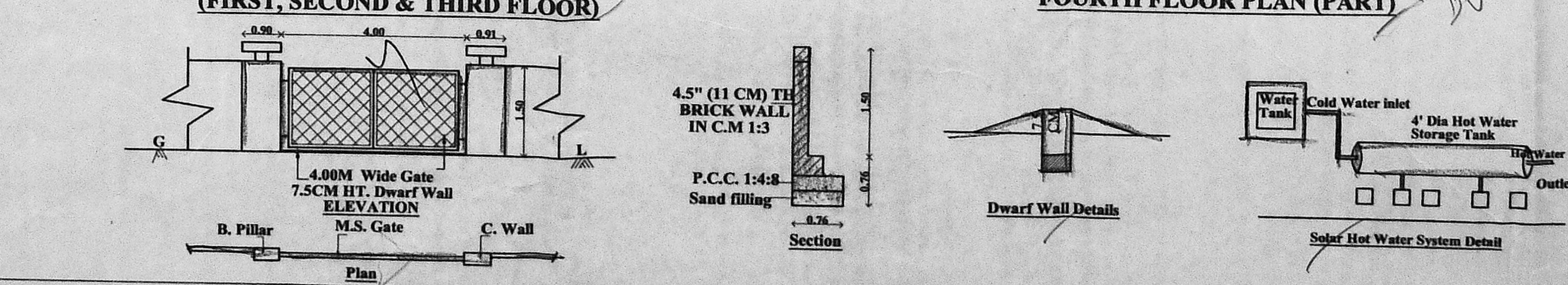
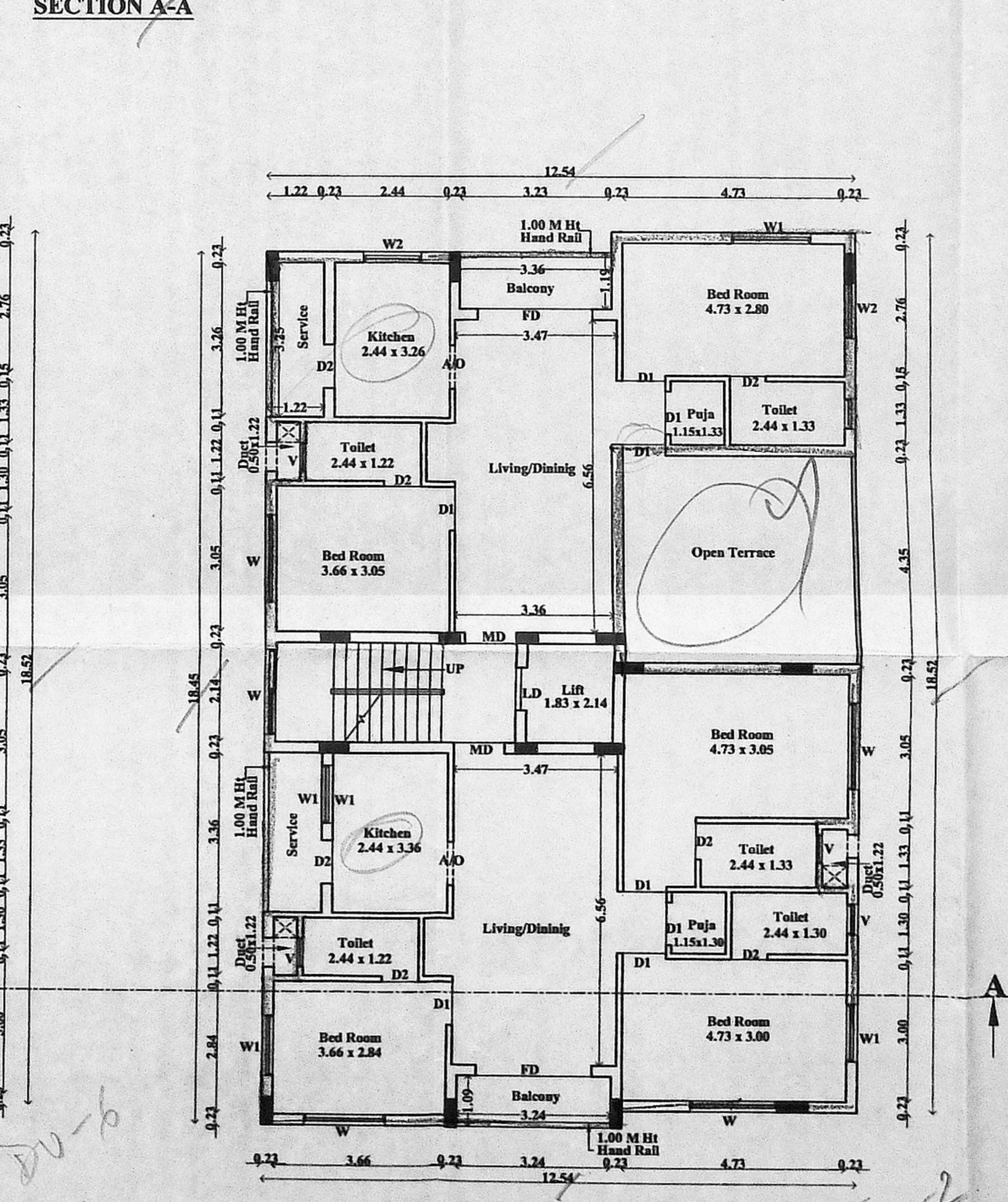
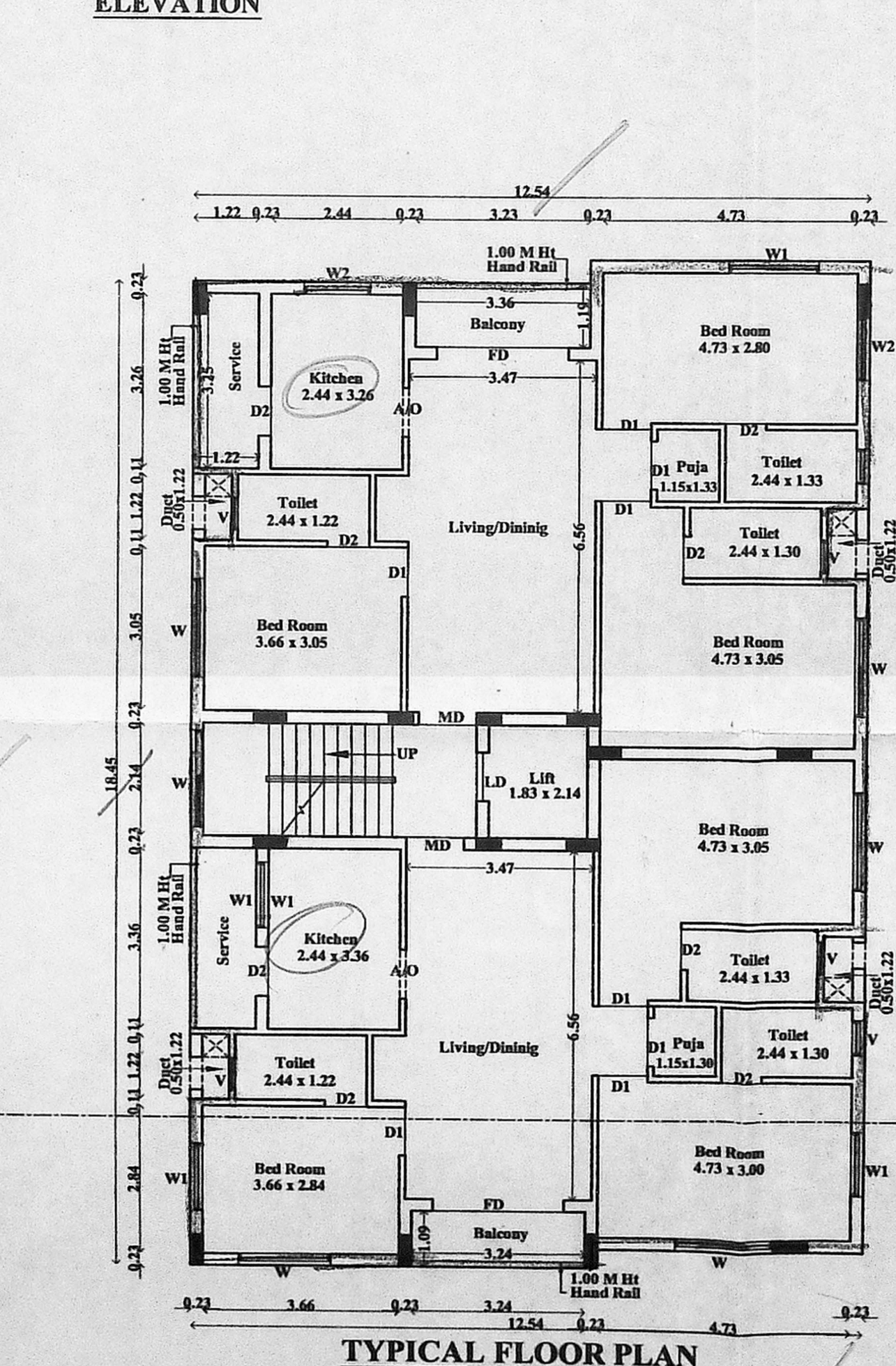
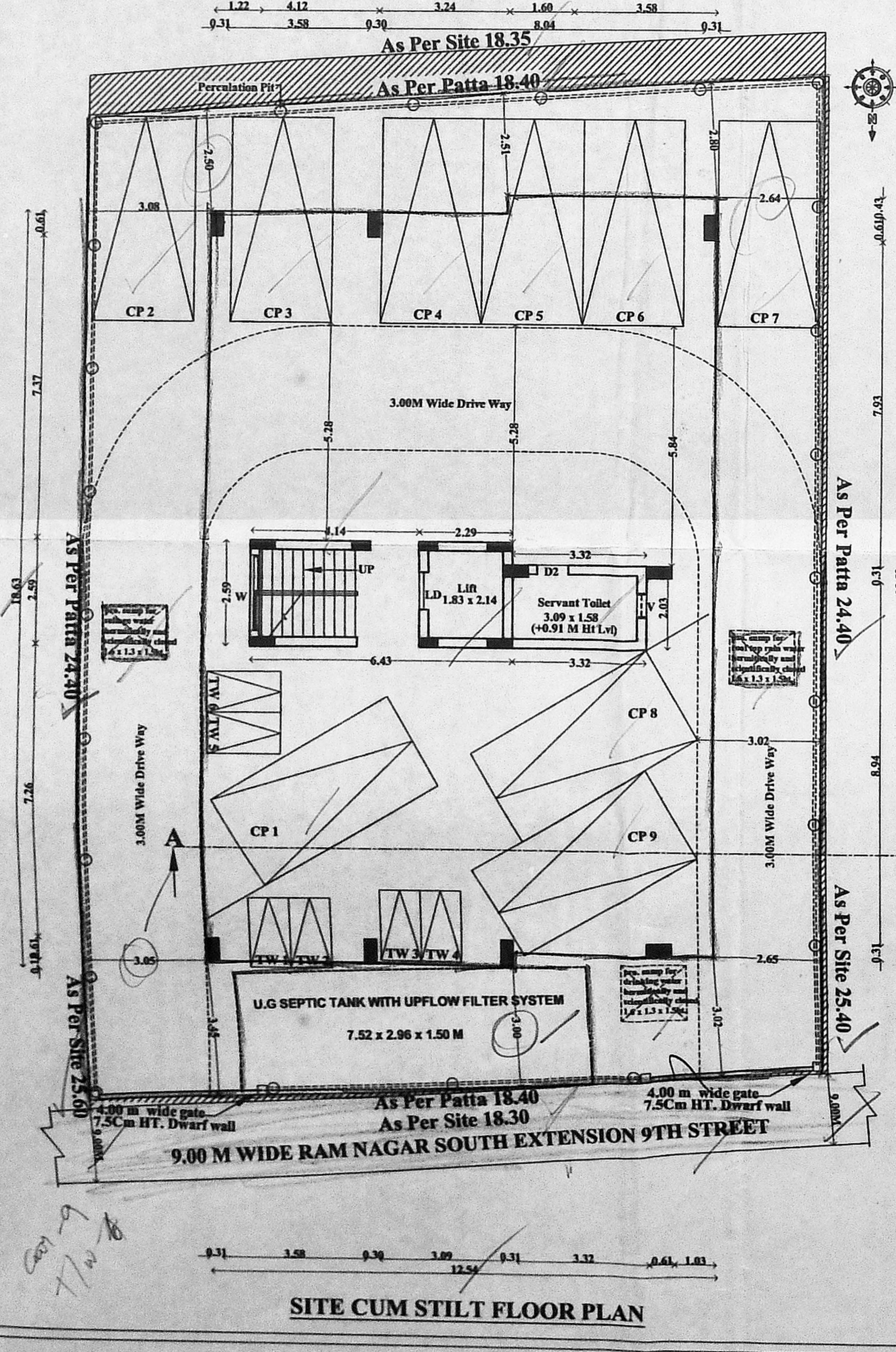
JOINERY DETAILS

TYPE	DESCRIPTION	SIZE
MD	DOOR	1.90 X 2.13
D1	DOOR	0.91 X 2.13
D2	DOOR	0.76 X 2.13
W	WINDOW	0.70 X 1.80
W1	WINDOW	1.37 X 1.22
W2	WINDOW	0.91 X 1.80
V	VENTILATOR	0.76 X 0.61
LD	LIFT DOOR	1.22 X 2.44

COLOUR INDEX

PROPOSED ROAD BOUNDARY

SCALE 1: 100



AREA STATEMENT

DESCRIPTION	AREA IN SQ.M.
PLOT EXTENT	
As Per Patta	440.00
As Per Document	445.93
STILT FLOOR	
FIRST FLOOR	229.28
SECOND FLOOR	229.28
THIRD FLOOR	229.28
FOURTH FLOOR	208.44
TOTAL	896.28
F.S.I - $\frac{896.28 \text{ Sq.M.}}{440.00 \text{ Sq.M.}} = 2.04$	
CAR PARK PROVIDED 9 NOS	
NO:OF DWELLING UNITS - 8 NOS	
TWO WHEELER PROVIDED - 6NOS	

OWNER
Sharmila Sanjay B Arch
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LICENSED SURVEYOR
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