

PLAN SHOWING THE PROPOSED RESIDENTIAL BUILDING AT, OLD S.NO:377/5A 2B(PART) NEW S.NO:377/27 A3 OF THIRUNEERMALAI VILLAGE, DURGA NAGAR, THIRUNEERMALAI TOWN PANCHAYAT, TAMBARAM TALUK, KANCHEEPURAM DISTRICT, 117 x 75.9 CHENNAI - 600 047.

CMDA (B)/ No. 1

Am: 31/12/2020

Scruffy: A

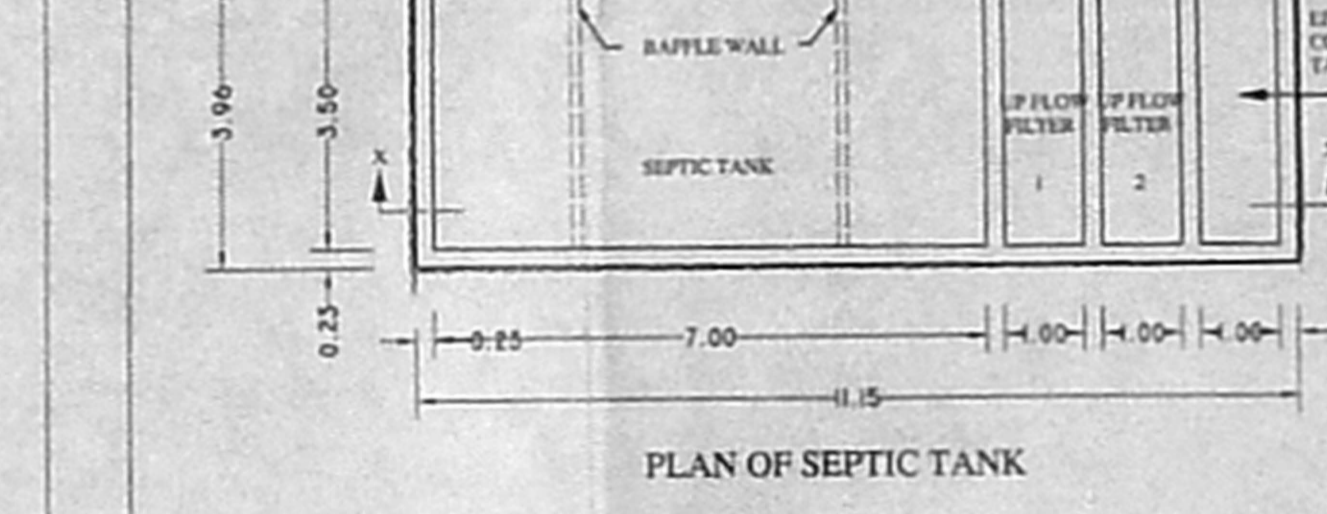
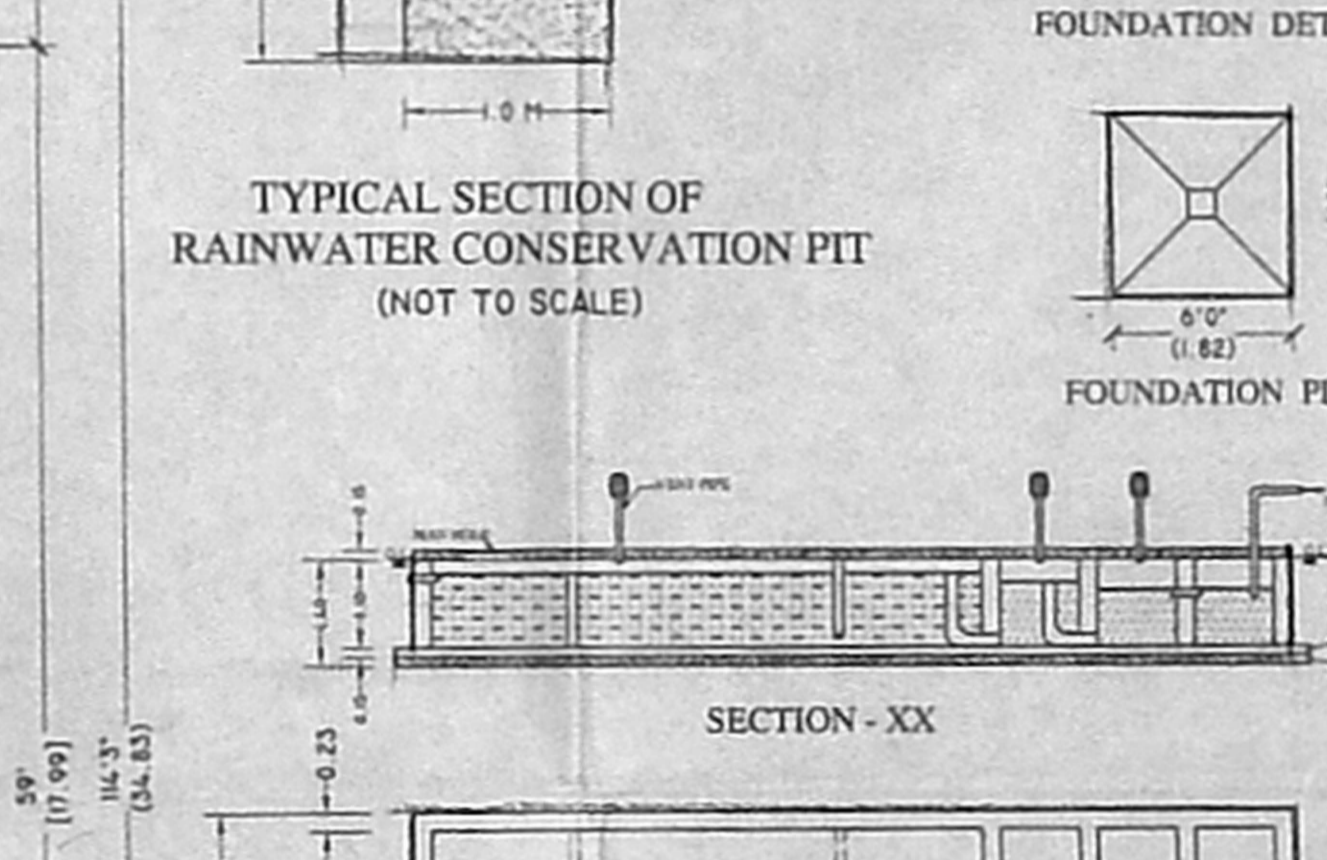
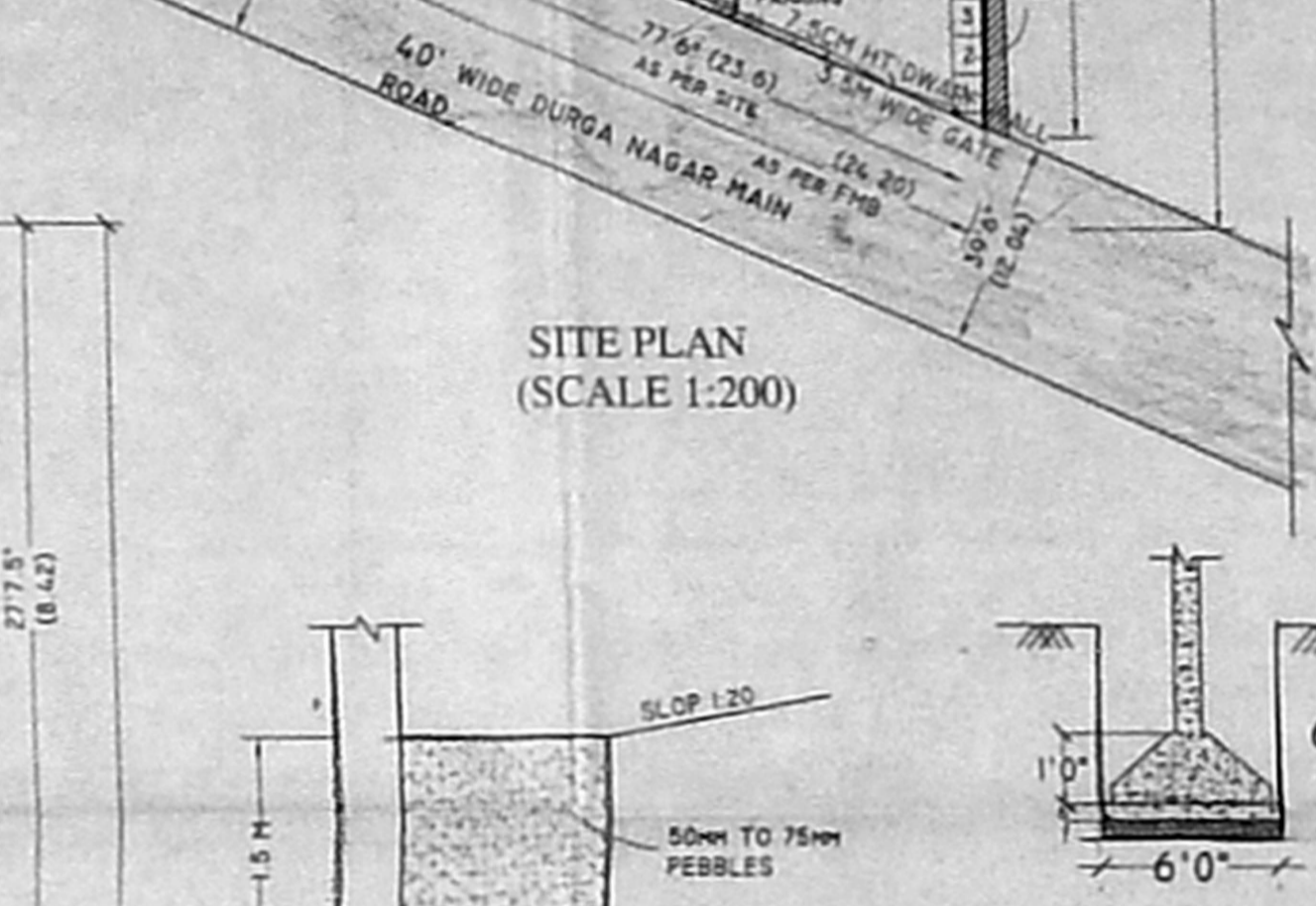
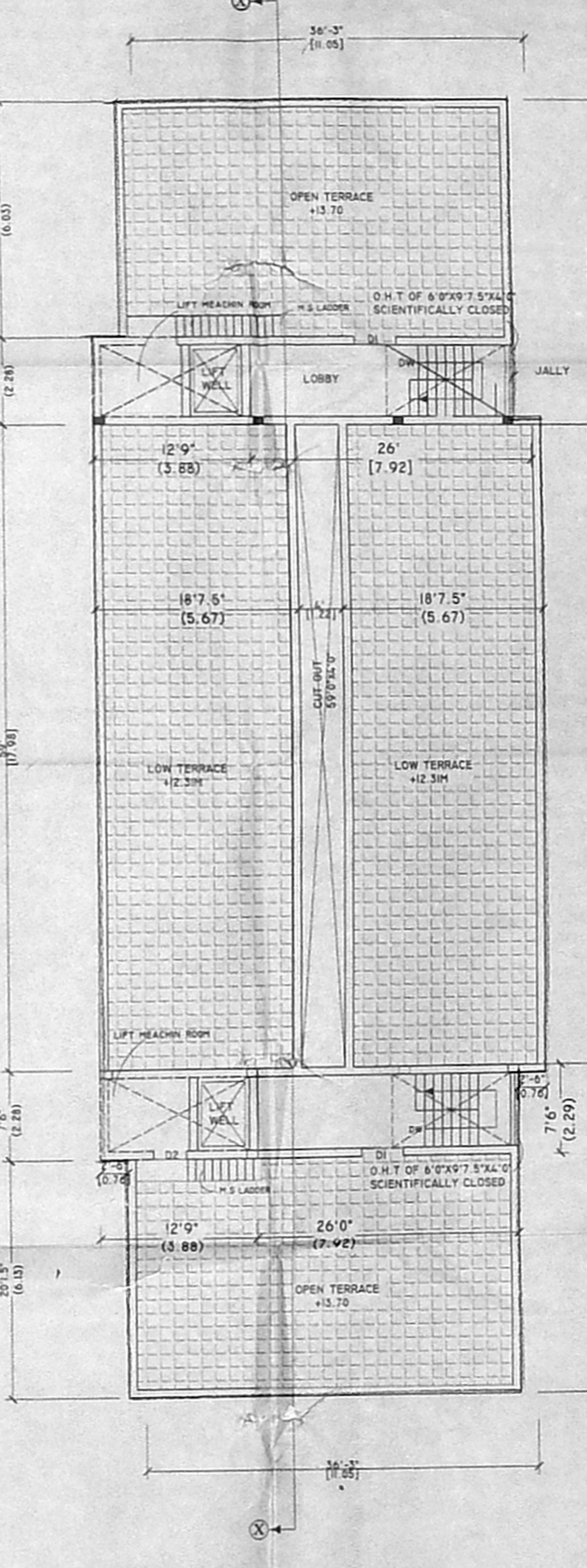
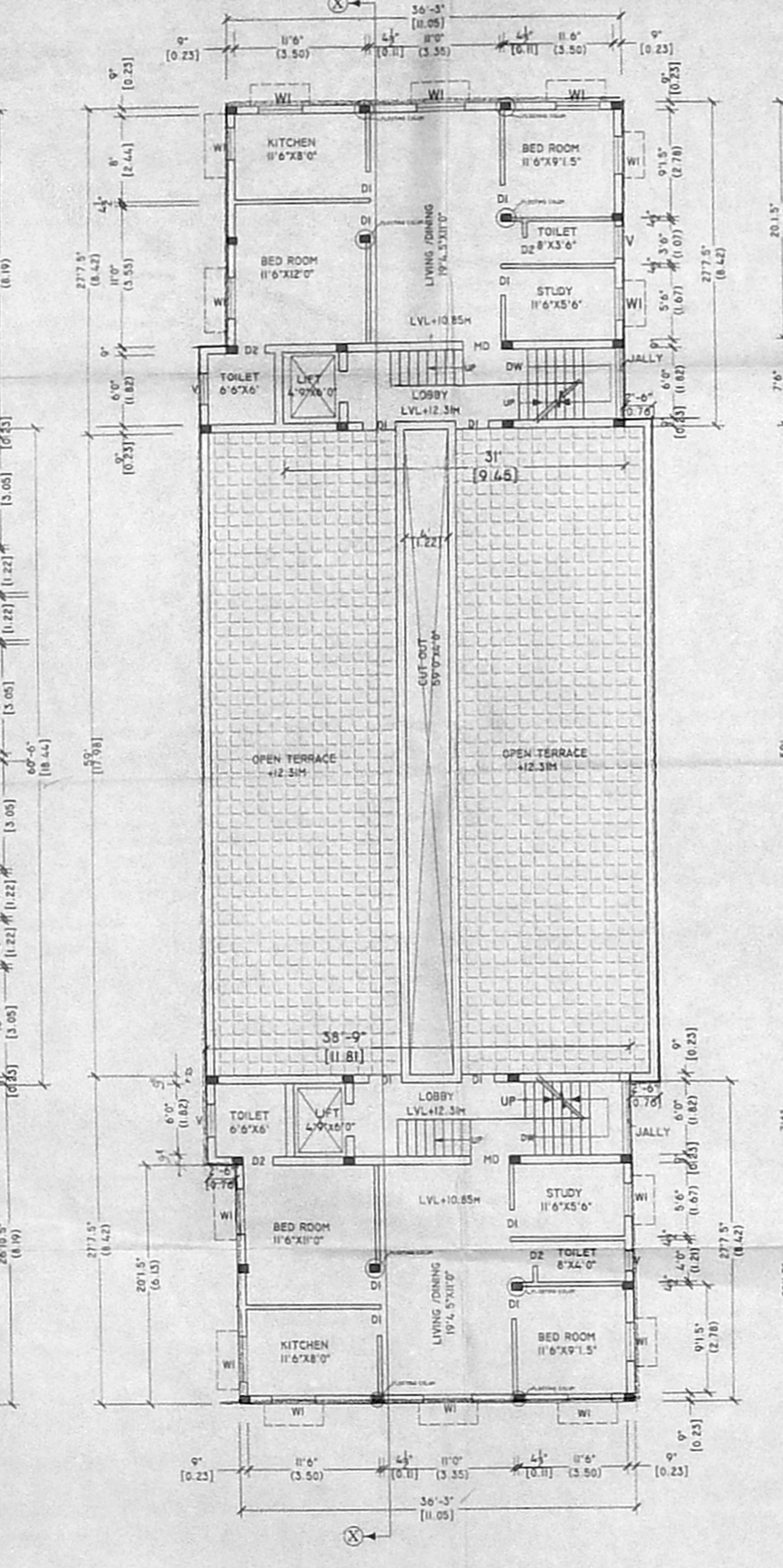
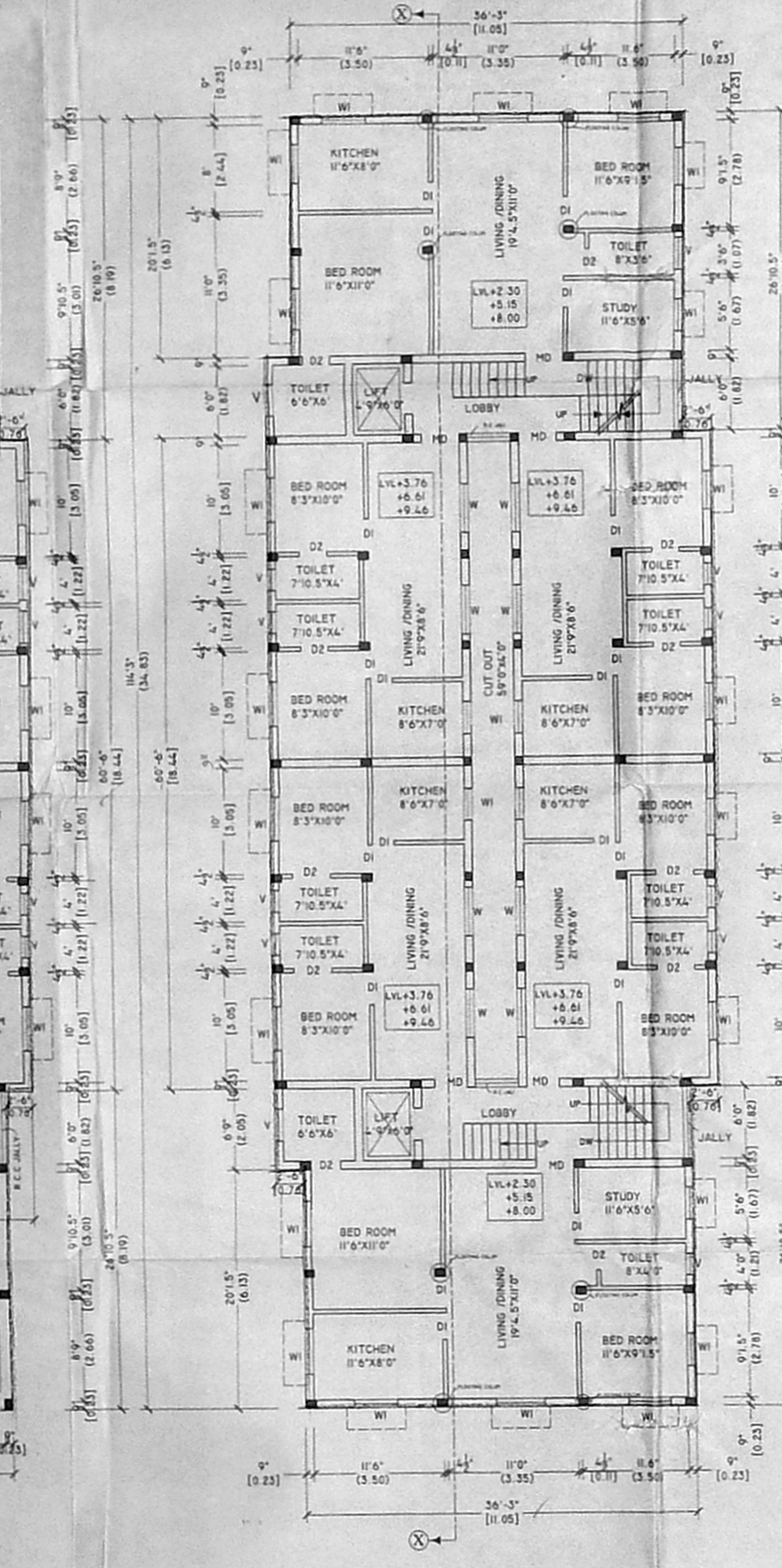
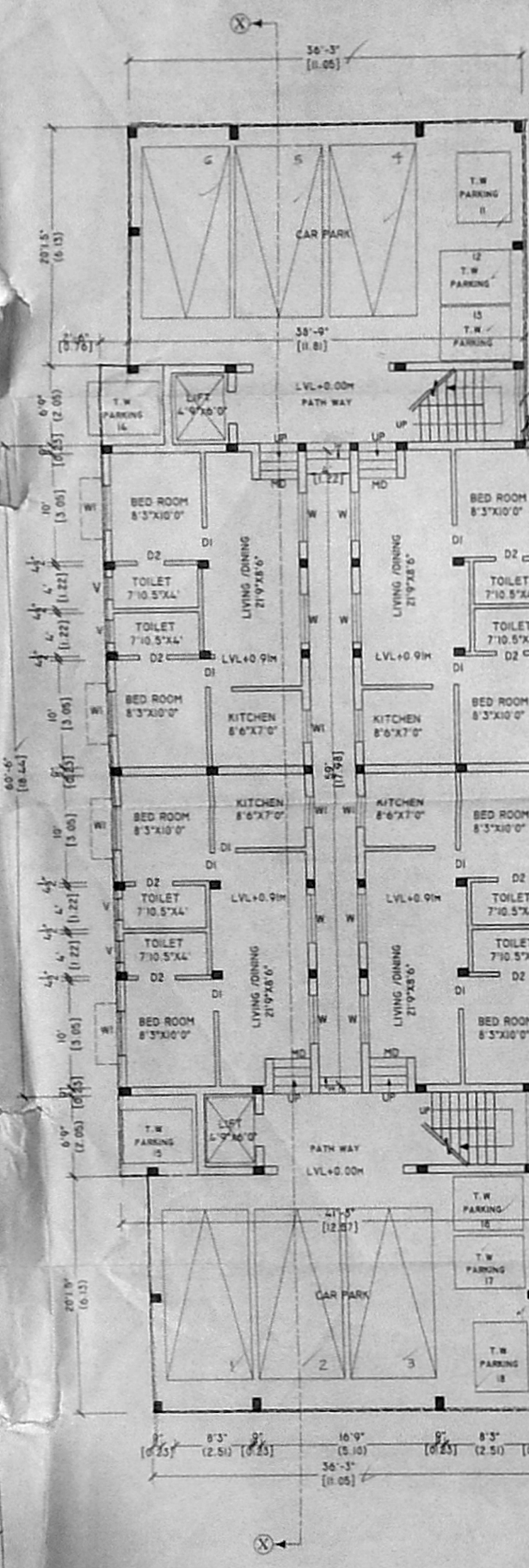
SCHEDULE OF JOINERY

Sl. No.	Item	Quantity	Unit
M.D	MAIN DOOR	36'x7'0"	1.06X2.11
D1	DOOR	30'x7'0"	0.90X2.13
D2	DOOR	26'x7'0"	0.76X2.13
W	WINDOW	40'x4'0"	1.22X1.22
W1	WINDOW	30'x4'0"	0.90X1.22
V	VENTILATOR	20'x2'0"	0.60X0.60

- SPECIFICATION
- BRICK WORK IN C.M 1:5 WITH FIRST CLASS BRICK.
 - R.C.C FOR BEAM, LINTEL, SUNSHADE, ROOF SLAB IN 1:2:4 AS M20 CONCRETE
 - FOUNDATION IN ISOLATED FOOTING OF R.C.C 1:1.5:3 & P.C.C IN 1:5:10 AND ONE LAYER OF SAND
 - PLASTERING WITH C.M 1:3 12MM THICK FOR INNER AND 1:4 FOR OUTER PLASTERING.
 - FLOOR FINISHING IN TILE FLOORING WITH C.M 1:3.
 - DOOR AND WINDOW FRAMES IN COUNTRY WOOD AND MAIN DOOR IN TEAK WOOD.
 - PAINTING FOR WALLS ONE COAT PRIMER AND TWO COAT OF ENAMEL PAINT.
 - PAINTING FOR DOOR AND WINDOWS ONE COAT PRIMER TWO COAT ENAMEL PAINT.
 - WEATHERING COURSE OVER R.C.C SLAB OF 6" THICK BRICK BATS AND ONE LAYER OF WEATHER PROOF TILES IN C.M 1:3.
 - MAIN DOOR AND FRAMES ARE FINISHING IN WAINISH OF MAT FINISH.

AREA STATEMENT

	SQ.FT	SQ.MT
PLOT AREA		
AS PER PATTA	= 11631.041	1080.55
GROUND FLOOR	=	258.52
FIRST FLOOR	=	394.07
SECOND FLOOR	=	394.07
THIRD FLOOR	=	394.07
FOURTH FLOOR	=	177.03
TOTAL		1617.76



DESIGN OF SEPTIC TANK WITH UPFLOW FOR 24 DWELLINGS

NO OF FLATS OR DWELLINGS = 24
 ASSUMING 5 PERSONS PER FLAT
 NO OF PERSONS = 120
 NO OF USERS = 24X2 = 48 UNITS
 ASSUMING 2 FIXTURES PER FLAT
 PER HOUR DISCHARGE = 48X6 = 288 LPM

SEPTIC TANK

SURFACE AREA NEEDED = 288X0.92/10 = 26.496 SAY 27M²

VOLUME OF SEDIMENTATION ASSUMING 0.5M DEPTH FOR DIGESTION FOR SLUDGE STORAGE FREE BOARD FOR SLUDGE = 28.8M³

DEPTH = VOLUME/STORAGE = 29/27 = 1.1M

SIZE OF SEPTIC TANK = 7.0X3.5X1.1M

UPFLOW FILTER

LIQUID DEPTH OF SEPTIC TANK = 1.3M
 VOLUME = 120X0.5X1.3 = 7.8M³
 UPFLOW FILTER DEPTH ALLOWING 0.3M FREE BOARD = 1.1-0.3 = 0.8M
 AREA NEEDED = 7.8/0.8 = 9.75M² SAY 10M²

SIZE OF UPFLOW FILTER
 UPFLOW FILTER NO.1 = 5.5X2.0M
 UPFLOW FILTER NO.2 = 3.4X1.00X0.85M

COVERAGE

Item	Value	Reference
11631.0	PROPOSED	
= 36.4%	BOUNDARY	
F.S.I = 1.497	ROAD	

SCALE: 1" = 50'

OWNER: *[Signature]*

117 x 75.6

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LICENSED SURVEYOR