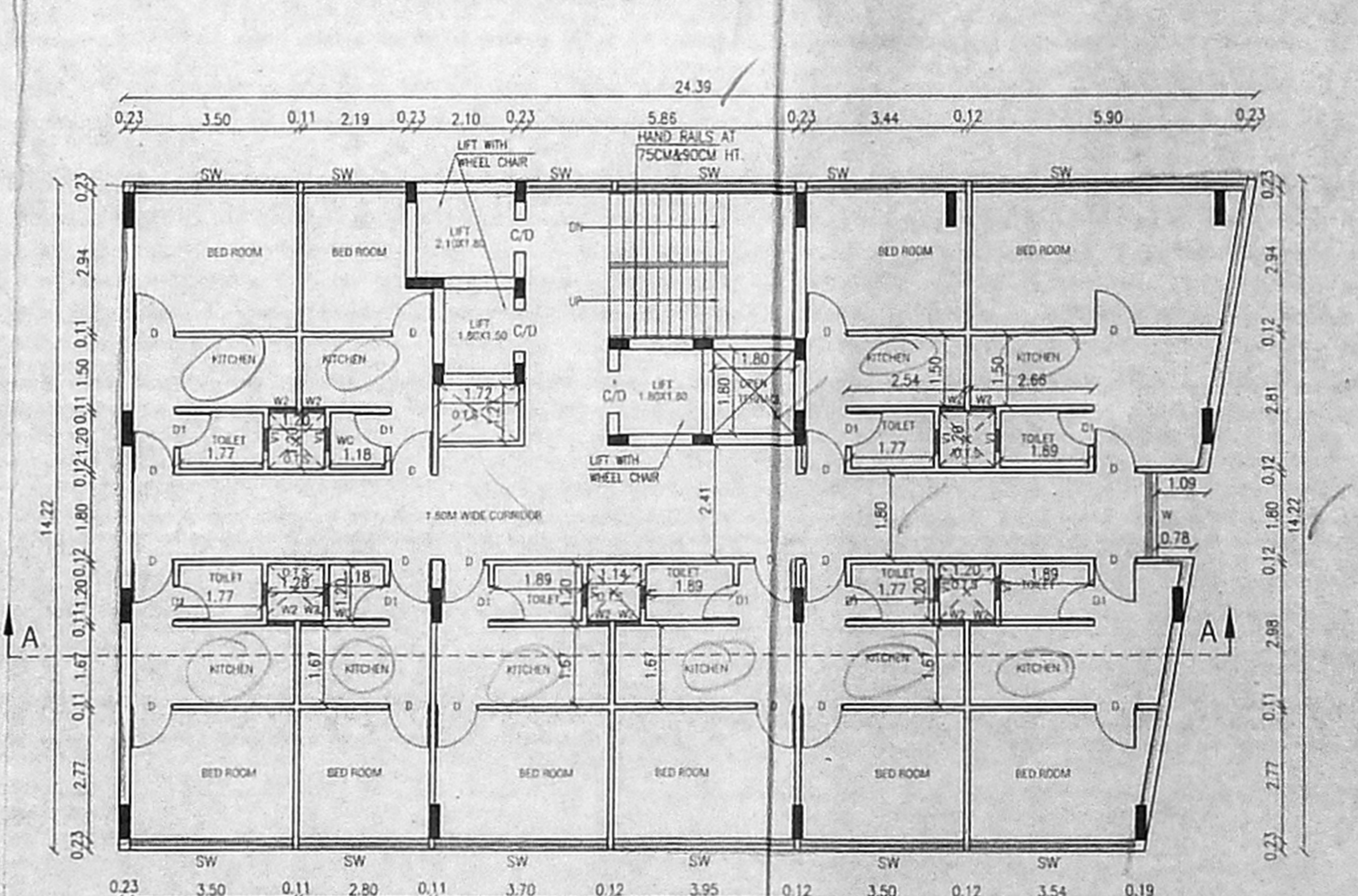
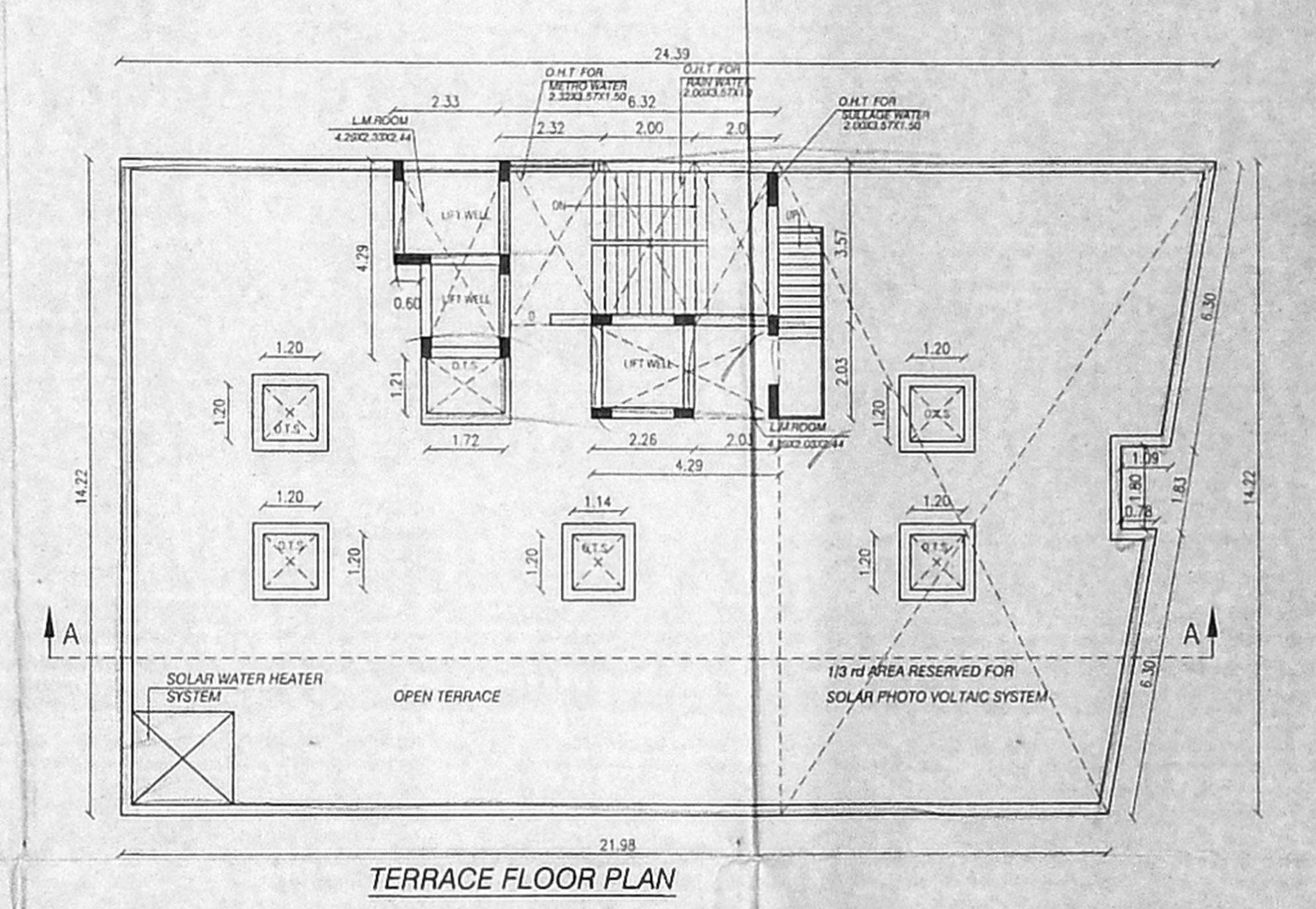
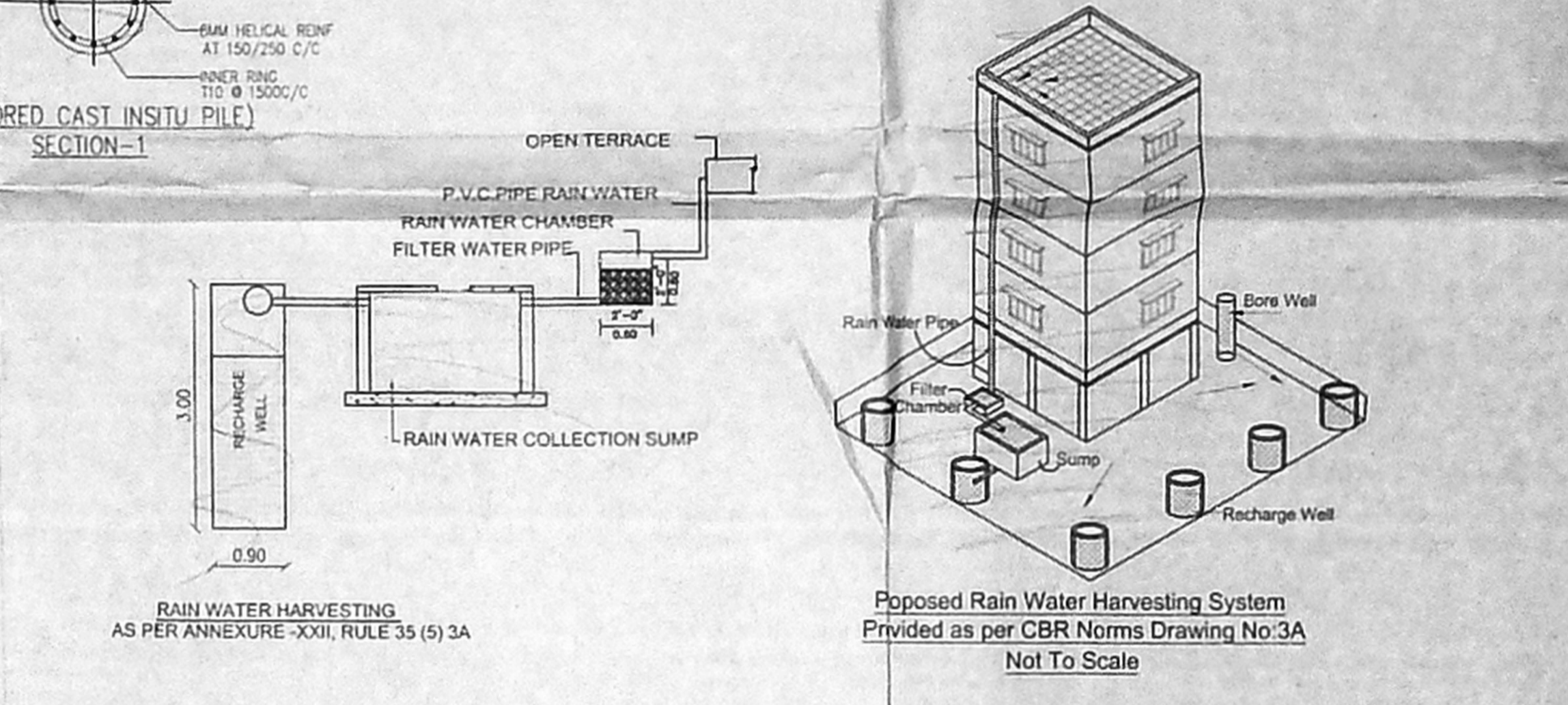
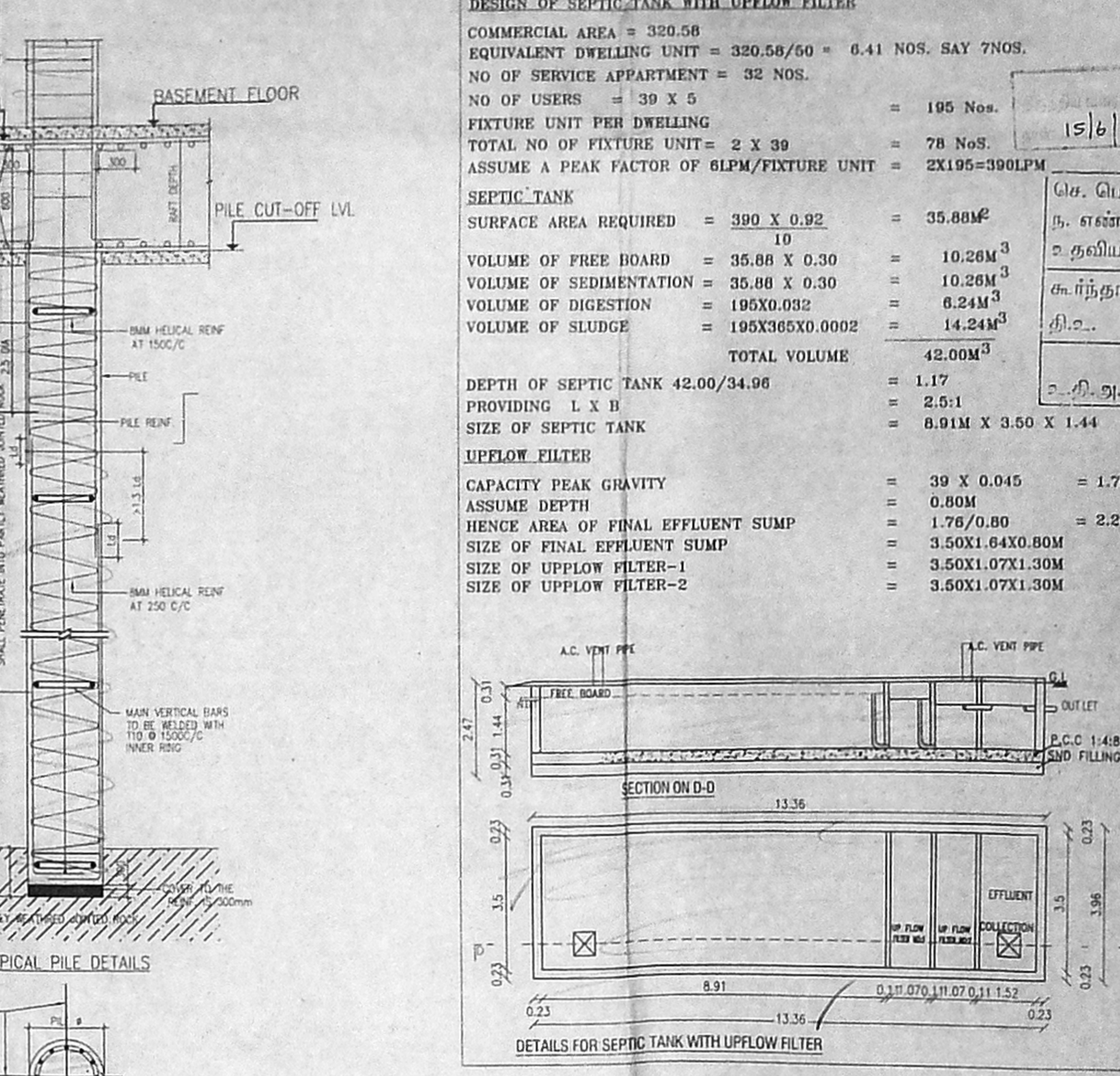
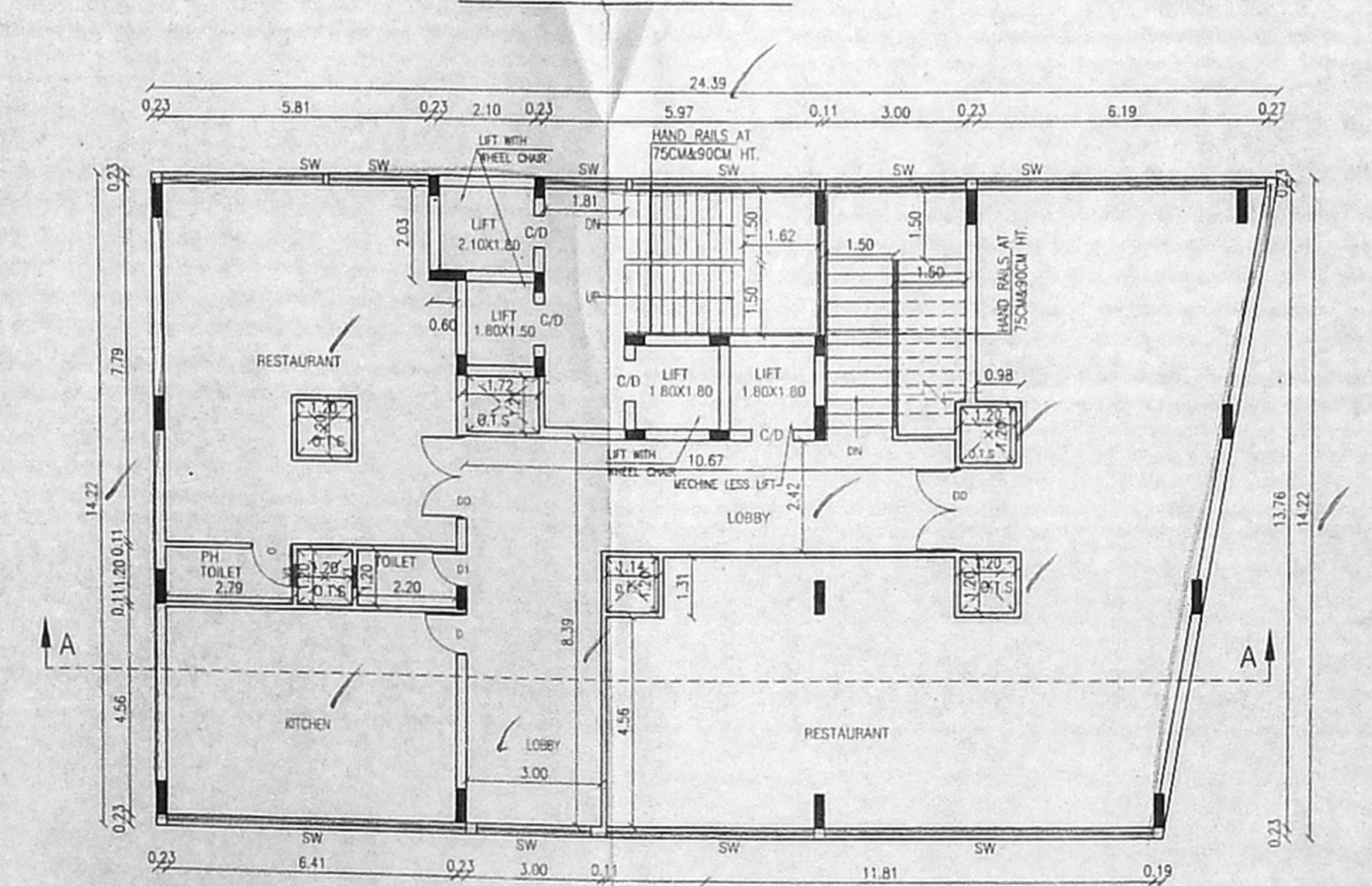
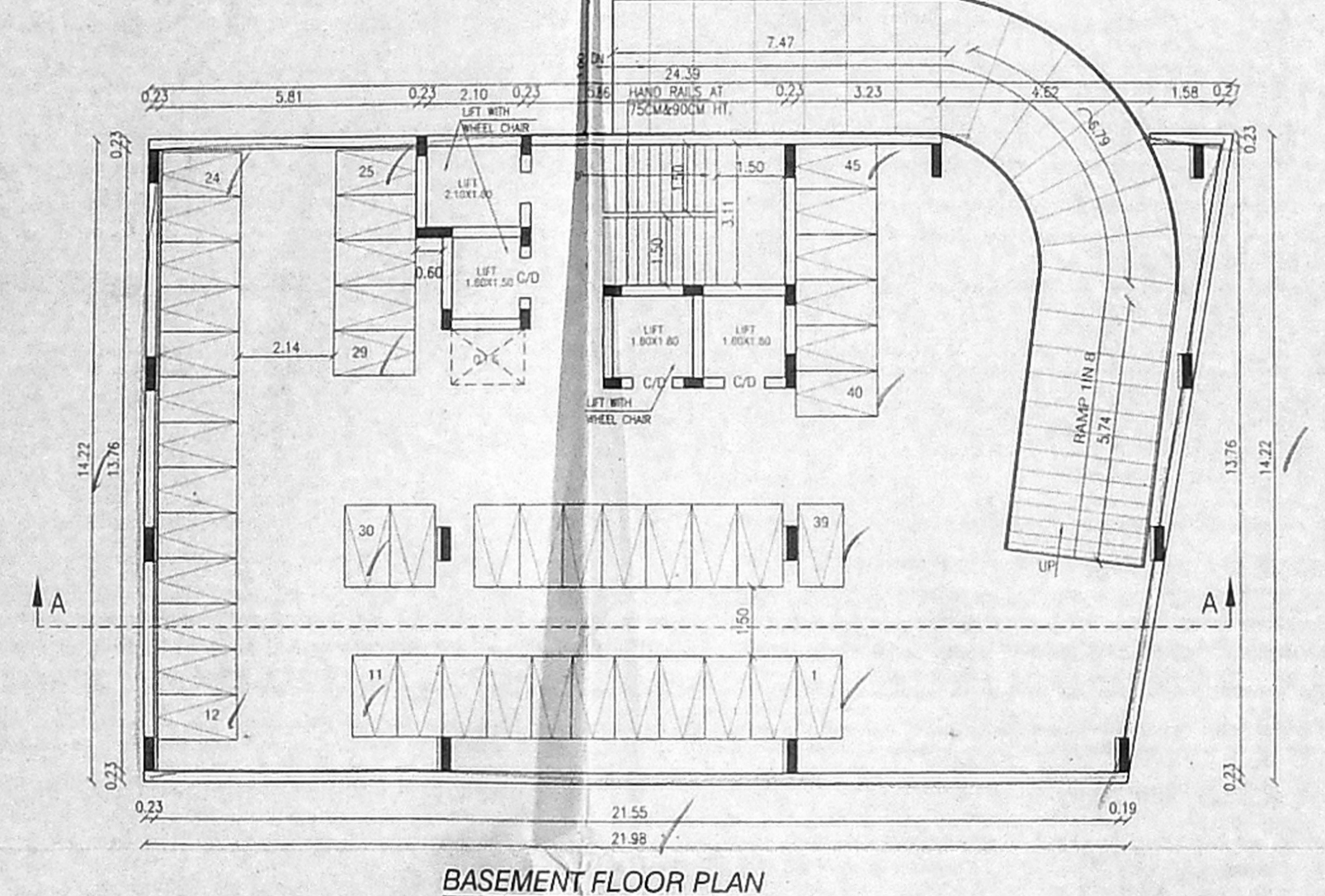
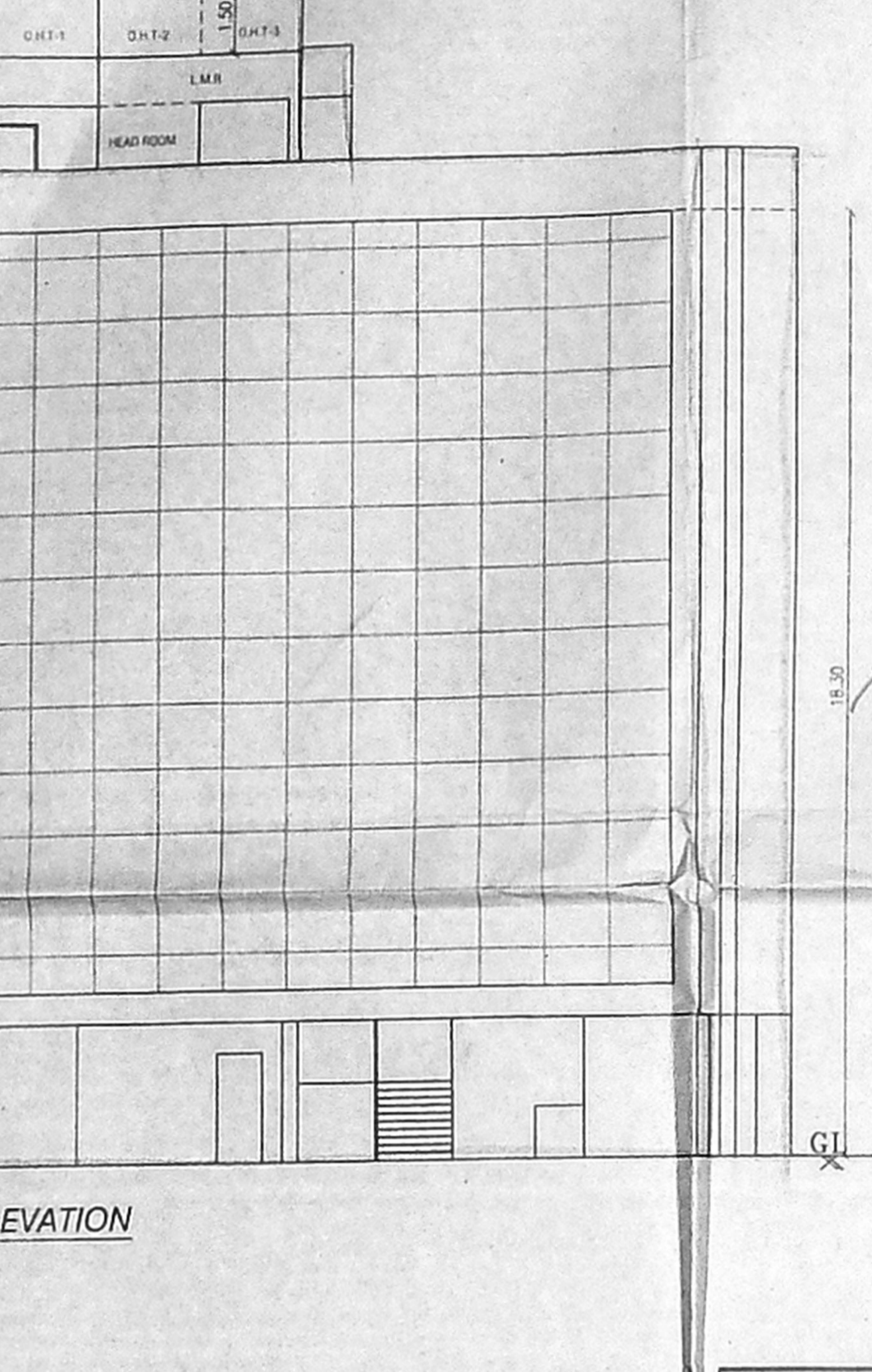
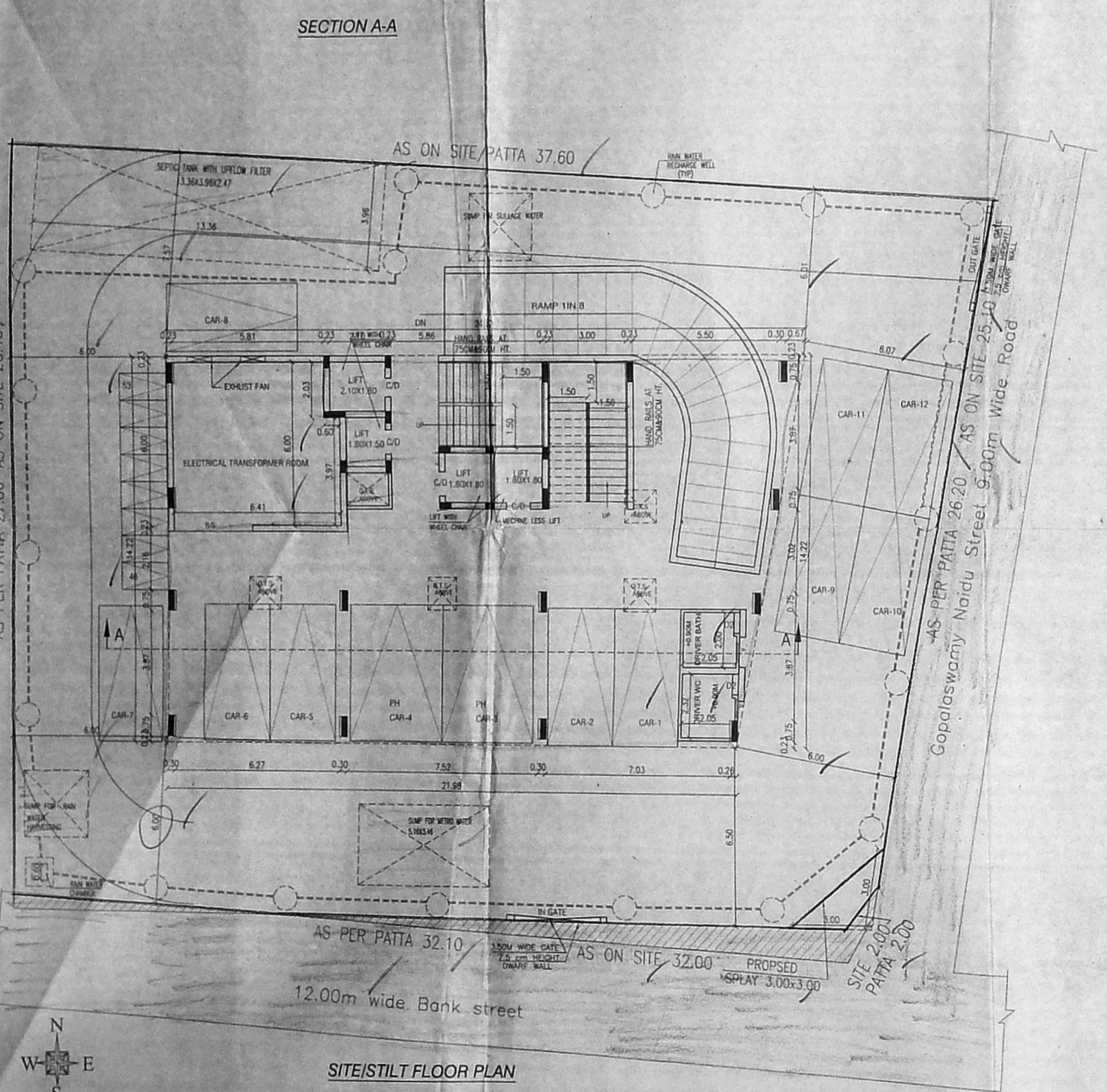
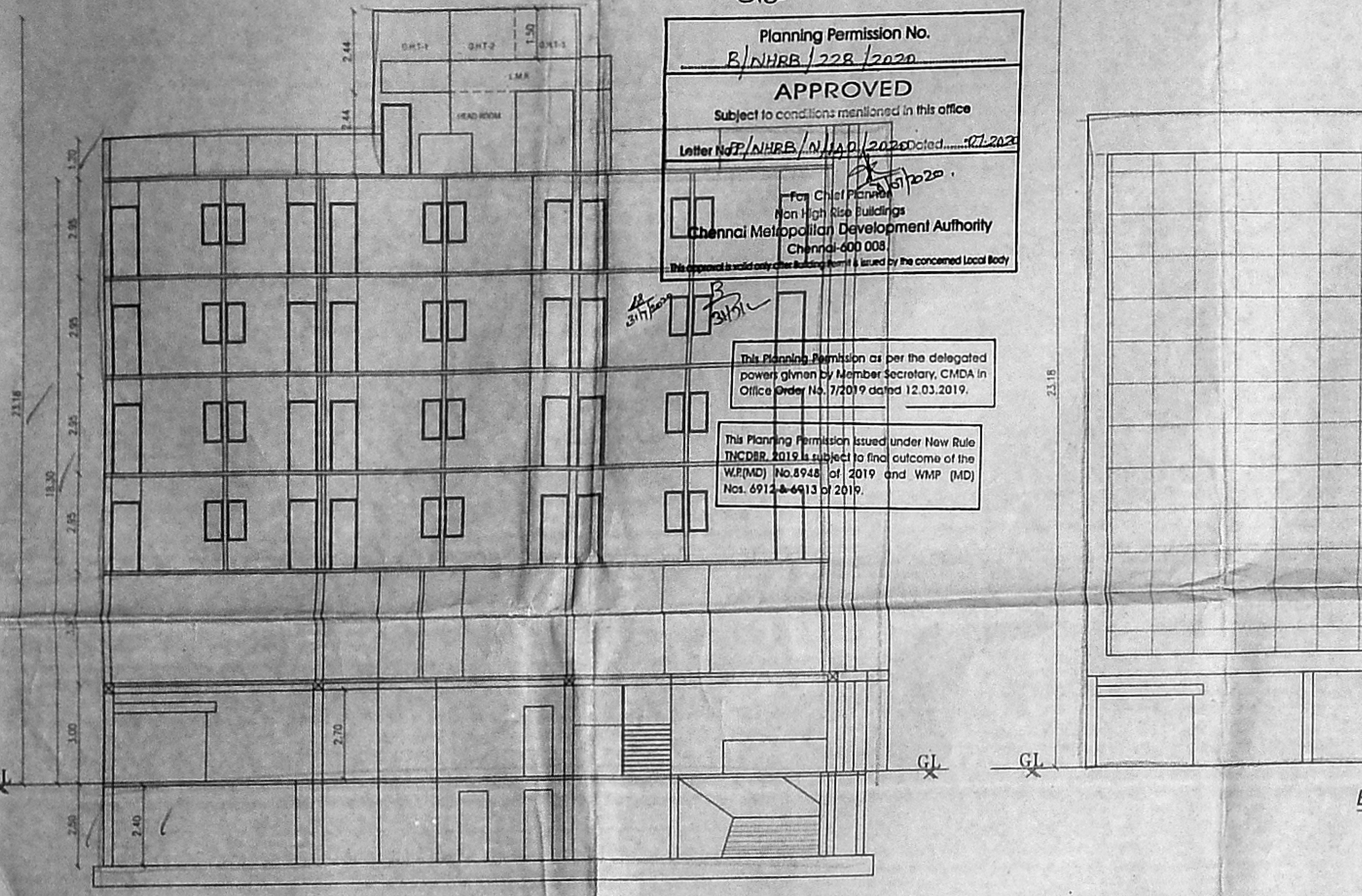


Planning Permission No. B/NHBR/1228/2020
APPROVED
 Subject to conditions mentioned in this office
 Letter No. B/NHBR/1228/2020 dated 12.03.2019
 For Chief Executive
 Chennai Metropolitan Development Authority
 Chennai - 600 005

This Planning Permission as per the delegated powers given by Member Secretary, CMDA in Office Order No. 17/2019 dated 12.03.2019.

This Planning Permission issued under New Rule (MCDMR, 2019) is subject to final outcome of the MPPCD No. 69148 of 2019 and WMP (MD) No. 69148-4913 of 2019.

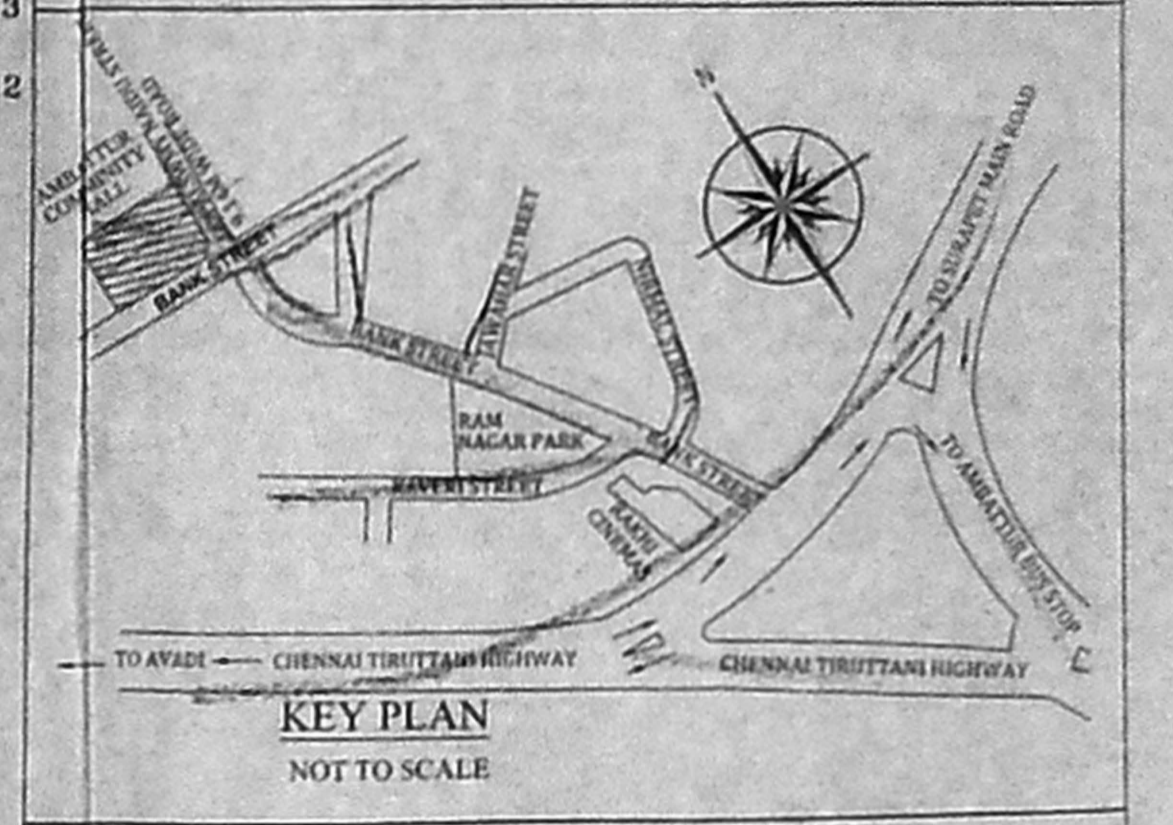


DESIGN OF SEPTIC TANK WITH UPFLOW FILTER
 COMMERCIAL AREA = 390.58
 EQUIVALENT DWELLING UNIT = 330.56/50 = 6.61 NOS. SAY 7 NOS.
 NO. OF SERVICE APARTMENT = 32 NOS.
 NO. OF USERS = 39 X 5 = 195 Nos.
 FITTURE UNIT PER DWELLING = 78 Nos.
 TOTAL NO. OF FITTURE UNIT = 2 X 39 = 78
 ASSUME A PEAK FACTOR OF 6LPM/FITTURE UNIT = 2X195=390LPM

SEPTIC TANK
 SURFACE AREA REQUIRED = 390 X 0.92 = 35.88M²
 VOLUME OF FREE BOARD = 35.88 X 0.30 = 10.26M³
 VOLUME OF SEDIMENTATION = 35.88 X 0.30 = 10.26M³
 VOLUME OF DIGESTION = 195X0.032 = 6.24M³
 VOLUME OF SLUDGE = 195X36X0.0002 = 14.24M³
 TOTAL VOLUME = 42.00M³
 DEPTH OF SEPTIC TANK 42.00/34.96 = 1.17
 PROVIDING L X B = 2.51 X 8.91M X 3.50 X 1.44

UPFLOW FILTER
 CAPACITY PEAK GRAVITY ASSUME DEPTH = 39 X 0.045 = 1.76M³
 HENCE AREA OF FINAL EFFLUENT SUMP = 0.80M²
 SIZE OF FINAL EFFLUENT SUMP = 1.76/0.80 = 2.20M²
 SIZE OF UPFLOW FILTER-1 = 3.50X1.07X1.30M
 SIZE OF UPFLOW FILTER-2 = 3.50X1.07X1.30M

NOTE FOR BORED CAST INSITU PILES:
 01. GRADE OF CONCRETE FOR PILE IS M20 WITH MINIMUM CEMENT CONTENT OF 150KG/CUM APPROVED SPEC. MIX.
 02. DENSITY OF 25 GRADE AND SHALL BE OF SETRA TECH. AC. BIRLA OR JUBA.
 03. ALL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10% OF THE BAR DIA TO BE WELDED TO BAR DIA AND TO BE WELDED TO LAPS WITH THE WELDING.
 04. COVER TO MAIN REINFORCEMENT IS 50mm.
 05. MINIMUM REINFORCEMENT BARS IS 3/8" WITH A CLUMP OF 150 TO 200mm.
 06. ALL THE PILE REINFORCEMENT SHALL BE PROPERLY BENT INTO THE PILE CAP WITH PROPER ANCHORAGE LENGTH AS INDICATED IN THE DRAWING.
 07. DRIVING WATER SHALL BE MAINTAINED BELOW THE PILE CAP LEVEL.
 08. ALL THE PILES SHALL BE TESTED BY PUMPING THE WATER USING PROPER INSTRUMENTS.
 09. ALL THE SERIES OF THE EXCAVATED WORK SHALL BE SUPPORTED BY PROVIDING PROPER SHORING TO THE WORK.



SPECIFICATION:
 FOUNDATION - RCC COLUMN FOOTINGS
 BRICK WORK - CM-18 FOR SUPER STRUCTURE
 PLASTERING - CM-18 FOR WALLS & 1:3 FOR CEILING
 FLOORING - MOSAIC FLOORING
 CEMENT PAINT - TWO COATS FOR WALLS & ONE EXTRA COAT FOR CEILING
 R.C.C. - M25 GRADE FOR ALL CONCRETE WORKS
 WOOD WORK - ALL WOODWORKS IN BEST QUALITY TIMBER
 WEATHERING COURSE - AS PER NATIONAL BUILDING CODE

AREA STATEMENT

FLOOR	FLOOR AREA
STILT FLOOR	43.17
FIRST FLOOR	320.58
SECOND FLOOR	318.77
THIRD FLOOR	318.77
FOURTH FLOOR	318.77
FIFTH FLOOR	318.77
TOTAL	1638.80

F.S.I = 1638.80 = 1.782
 919.55
 CAR PARKING PROVIDED = 12 NOS.
 TW PARKING PROVIDED = 53 NOS.

COLOUR INDEX

PROPOSED	SCHEDULE OF JOINERY
D1 DOOR	1.00X1.13
D2 DOOR	0.90X2.13
D3 DOOR	0.78X2.13
W WINDOW	1.20X1.22
W1 WINDOW	1.00X1.22
W2 WINDOW	0.75X1.50
W3 WINDOW	0.60X1.50
V VENTILATOR	0.90X0.60
SW SWING WINDOW	1.2X1.250 PANEL

SCALE : 1:100

PLAN SHOWING THE PROPOSED CONSTRUCTION OF BASEMENT, STILT + 5 FLOOR RESTAURANT CUM SERVICE APARTMENT BUILDING AT PLOT NO.58&59, GOPALSWAMY NAIDU STREET AND BANK STREET, RAM NAGAR, AMBATTUR, CHENNAI-53, IN OLD 30/4, 30/5, 34/5 (AS PER DOC) OLD S.NO.30/5A1A1A, 30/1A1A1A PART, T.S. NO.24, BLOCK NO. 30 WARD - A OF ORAGADAM VILLAGE, AMBATTUR TALUK, CHENNAI DISTRICT.
 GREATER CHENNAI CORPORATION
 DIVISION - 79 ZONE - VII.

MEASUREMENTS ARE IN METRES

**REGISTERED ARCHITECT/
 REGISTERED ENGINEER**

REGISTERED STRUCTURAL ENGINEER

OWNER'S SIGNATURE