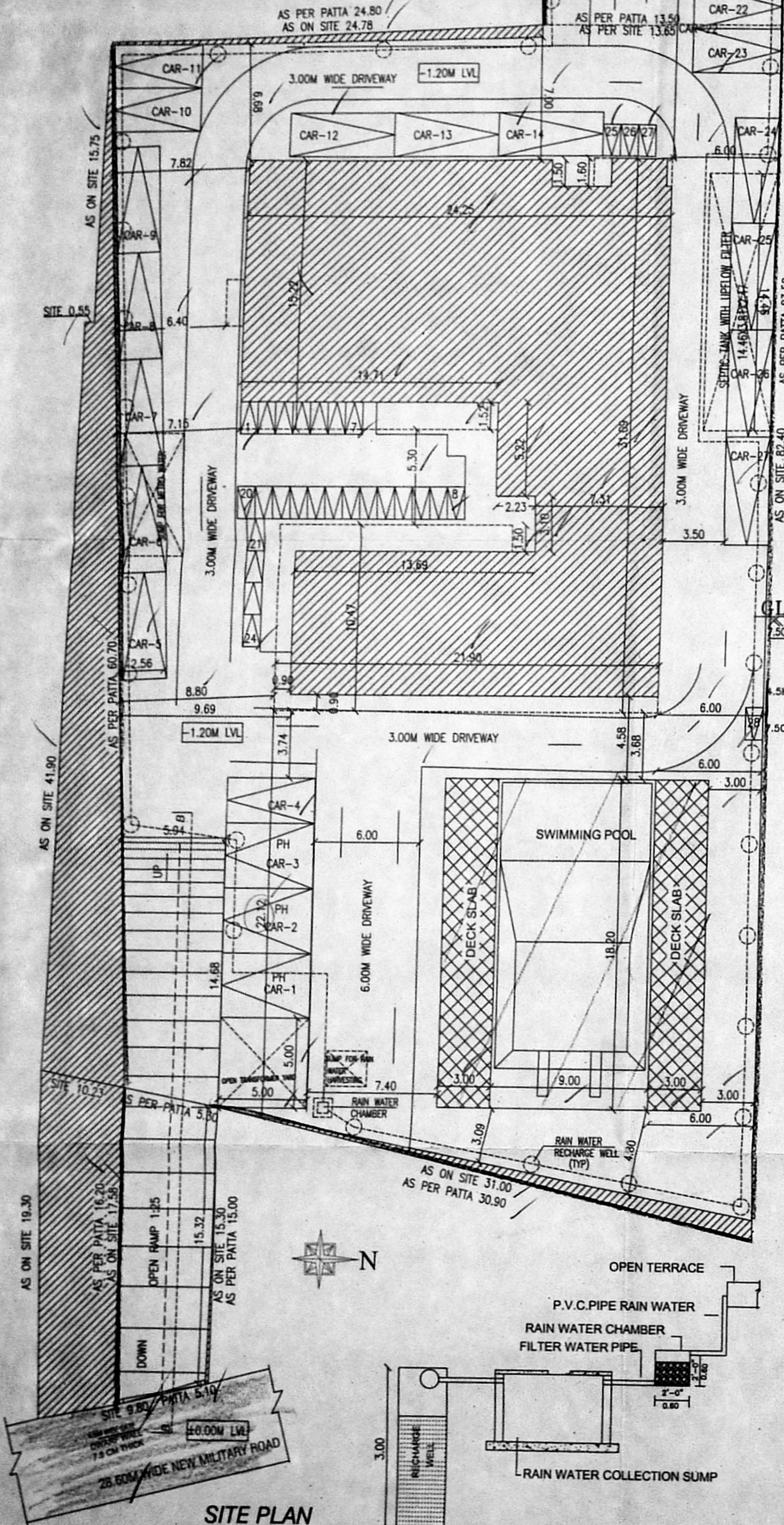
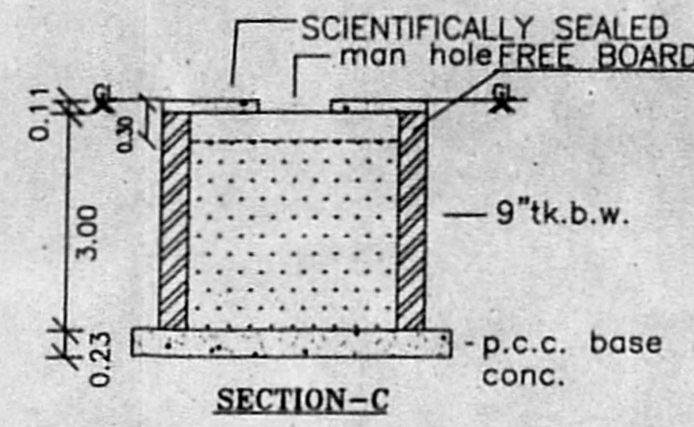


Proposed Rain Water Harvesting System
Provided as per CBR Norms Drawing No:3A
Not To Scale

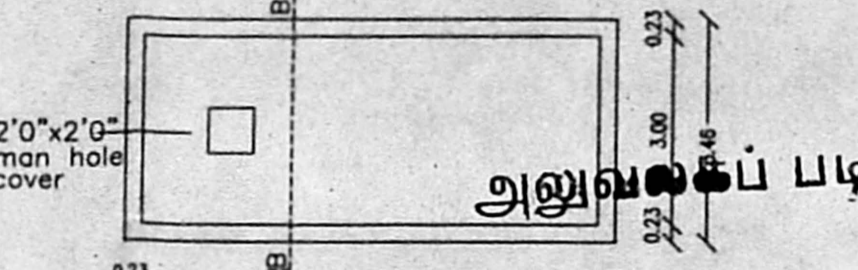


SITE PLAN
SCALE 1:200

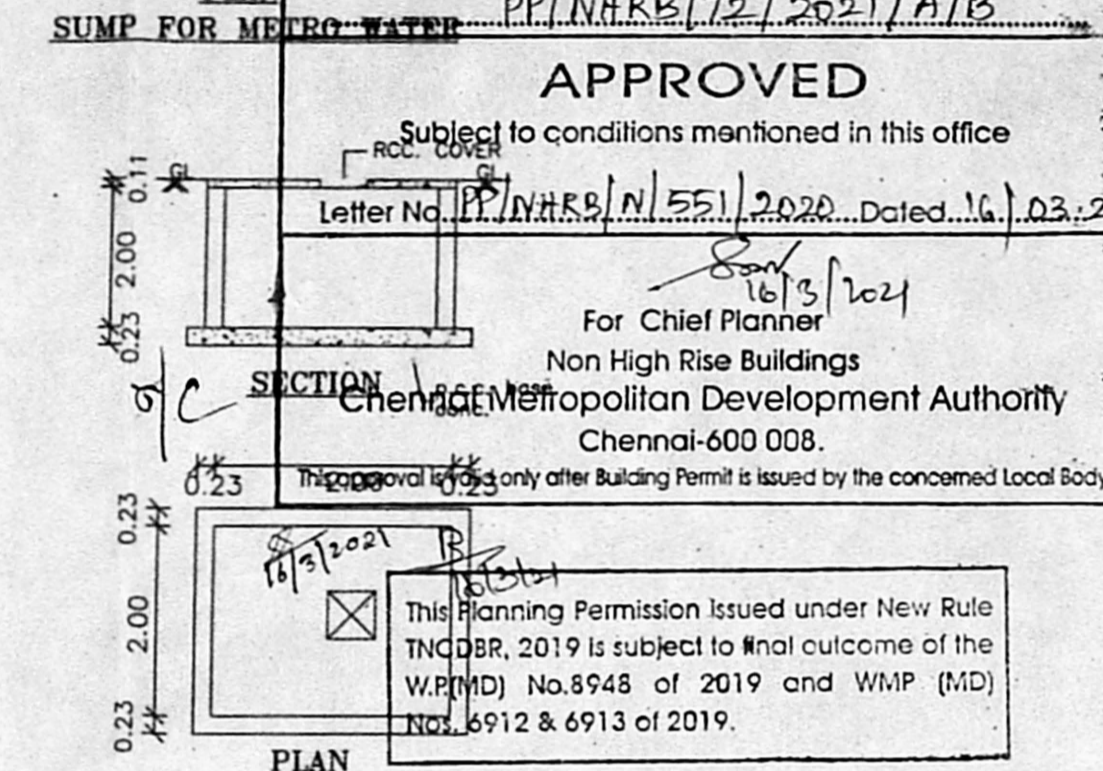
RAIN WATER HARVESTING
AS PER ANNEXURE -XXII, RULE 35 (5) 3A



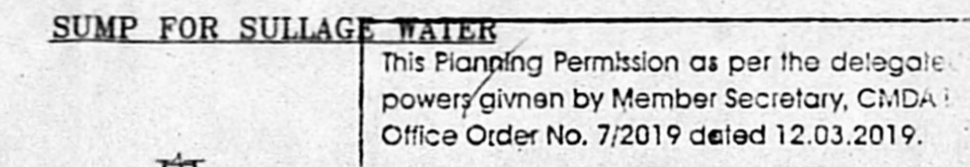
SECTION-C



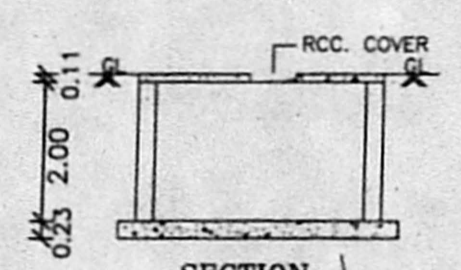
PLAN



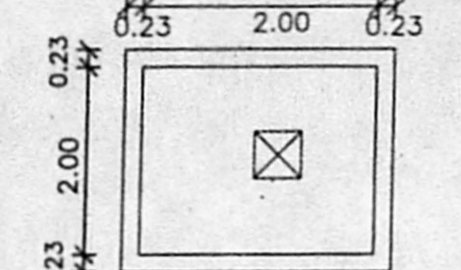
APPROVED



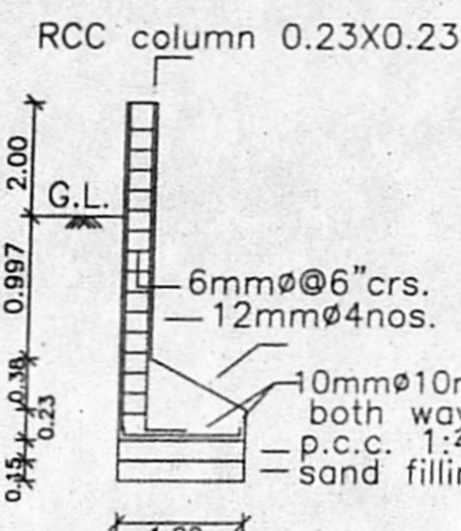
SUMP FOR SULLAGE WATER



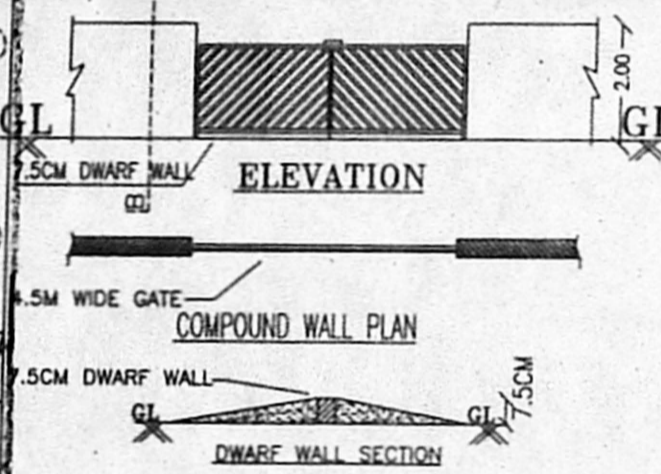
SECTION



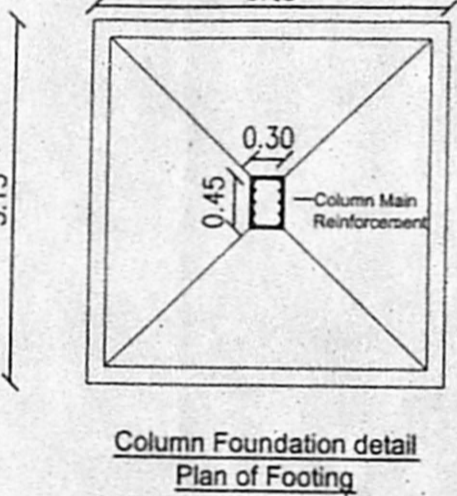
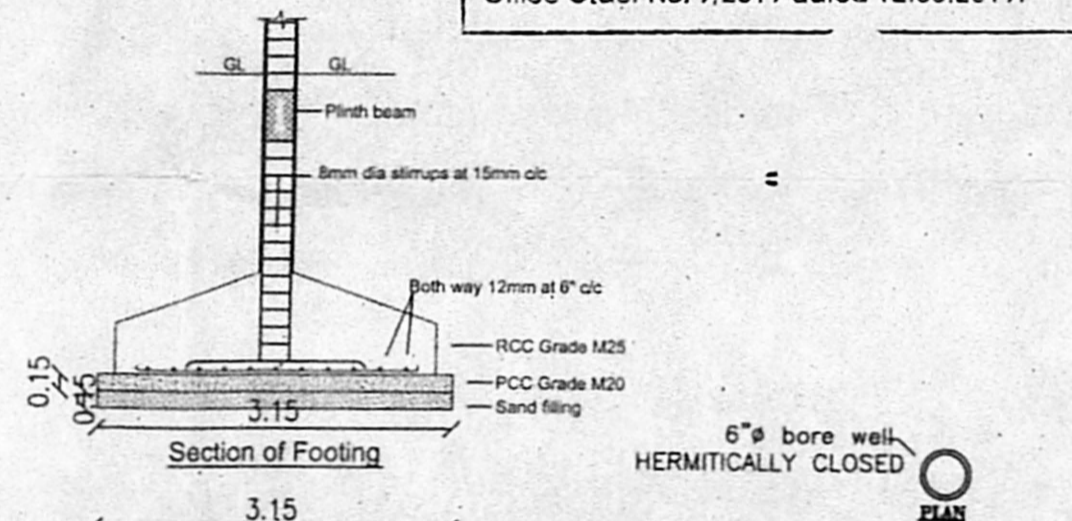
PLAN
SUMP FOR RAIN WATER HARVESTING



SECTION B-B

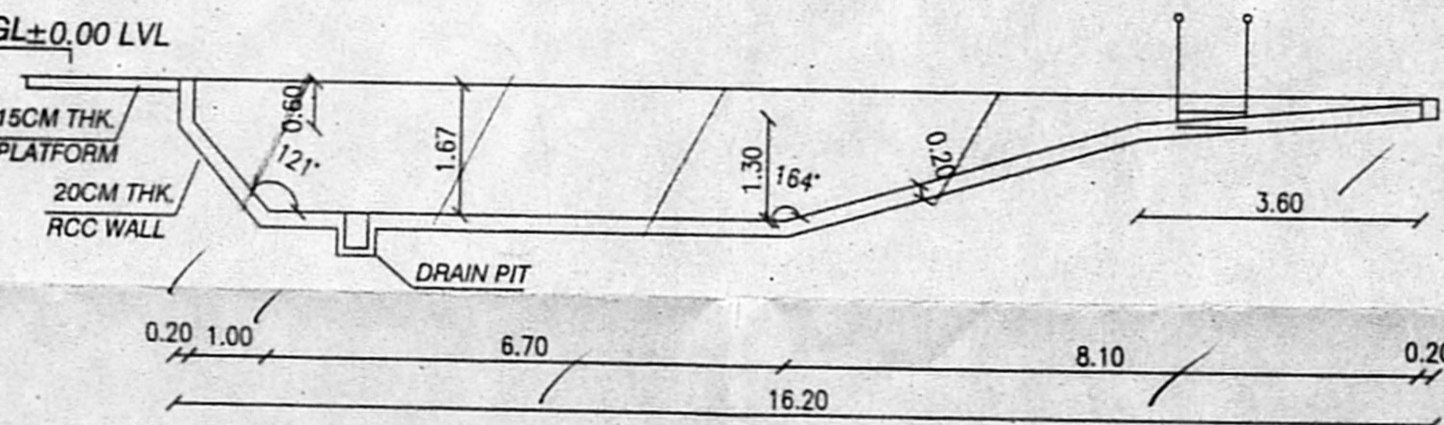


ELEVATION

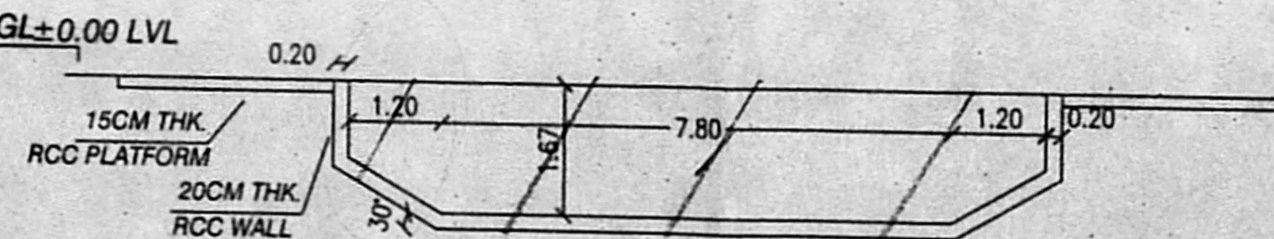


Column Foundation detail
Plan of Footing

DETAILS OF BORE WELL
(NOT TO SCALE)



LONGITUDINAL SECTION 1-1

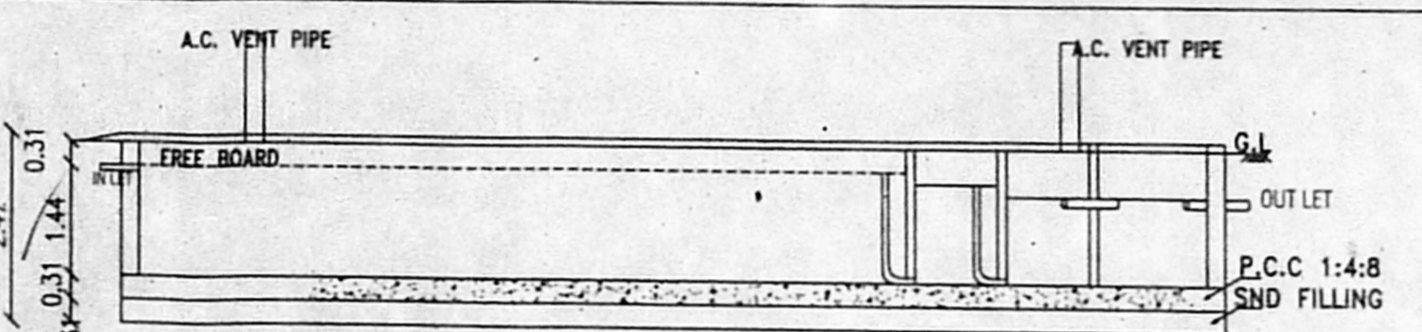


CROSS SECTION 2-2

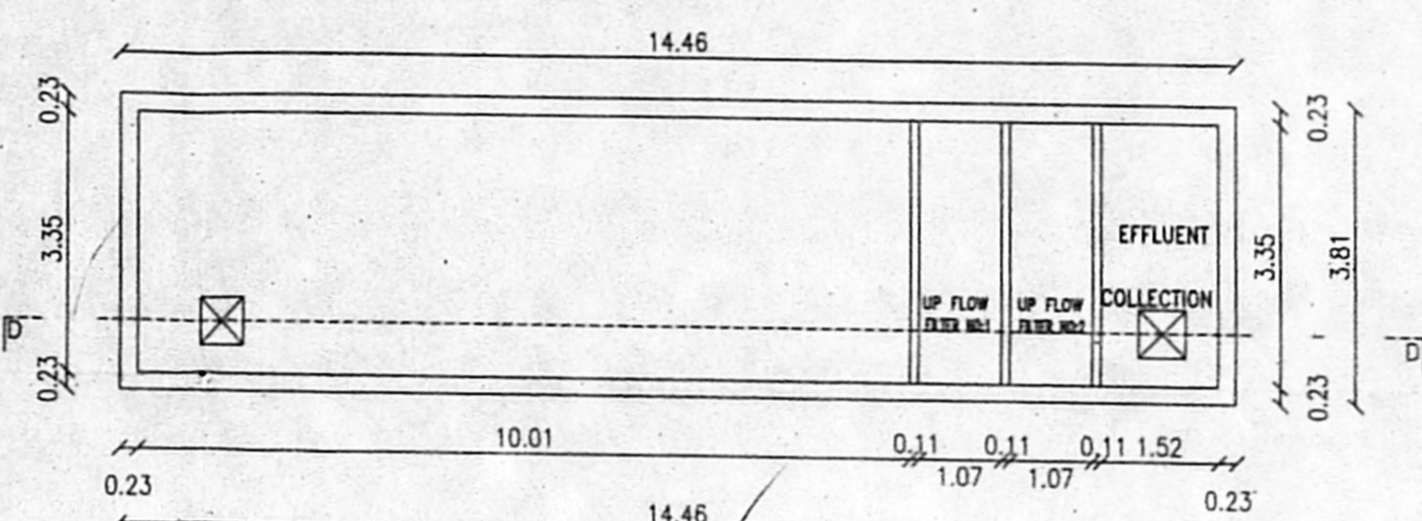
DESIGN OF SEPTIC TANK WITH UPFLOW FILTER

COMMERCIAL AREA = 2473.22
EQUIVALENT DWELLING UNIT = 2473.22/50 = 49.464
NO OF USERS = 50 X 5
FIXTURE UNIT PER DWELLING = 4
TOTAL NO OF FIXTURE UNIT = 2 X 50
ASSUME A PEAK FACTOR OF 6LPM/FIXTURE UNIT
SEPTIC TANK
SURFACE AREA REQUIRED = $500 \times \frac{0.92}{10} = 46.00 \text{ M}^2$
VOLUME OF FREE BOARD = $46.00 \times 0.30 = 13.80 \text{ M}^3$
VOLUME OF SEDIMENTATION = $46.00 \times 0.30 = 13.80 \text{ M}^3$
VOLUME OF DIGESTION = $250 \times 0.032 = 8.00 \text{ M}^3$
VOLUME OF SLUDGE = $250 \times 365 \times 0.0002 = 18.25 \text{ M}^3$
TOTAL VOLUME = 53.85 M^3
DEPTH OF SEPTIC TANK REQUIRED = $\frac{53.85}{46.00} = 1.17$
PROVIDING L X B = 2.5:1
SIZE OF SEPTIC TANK = $10.01 \text{ M} \times 3.35 \text{ M} \times 1.44$

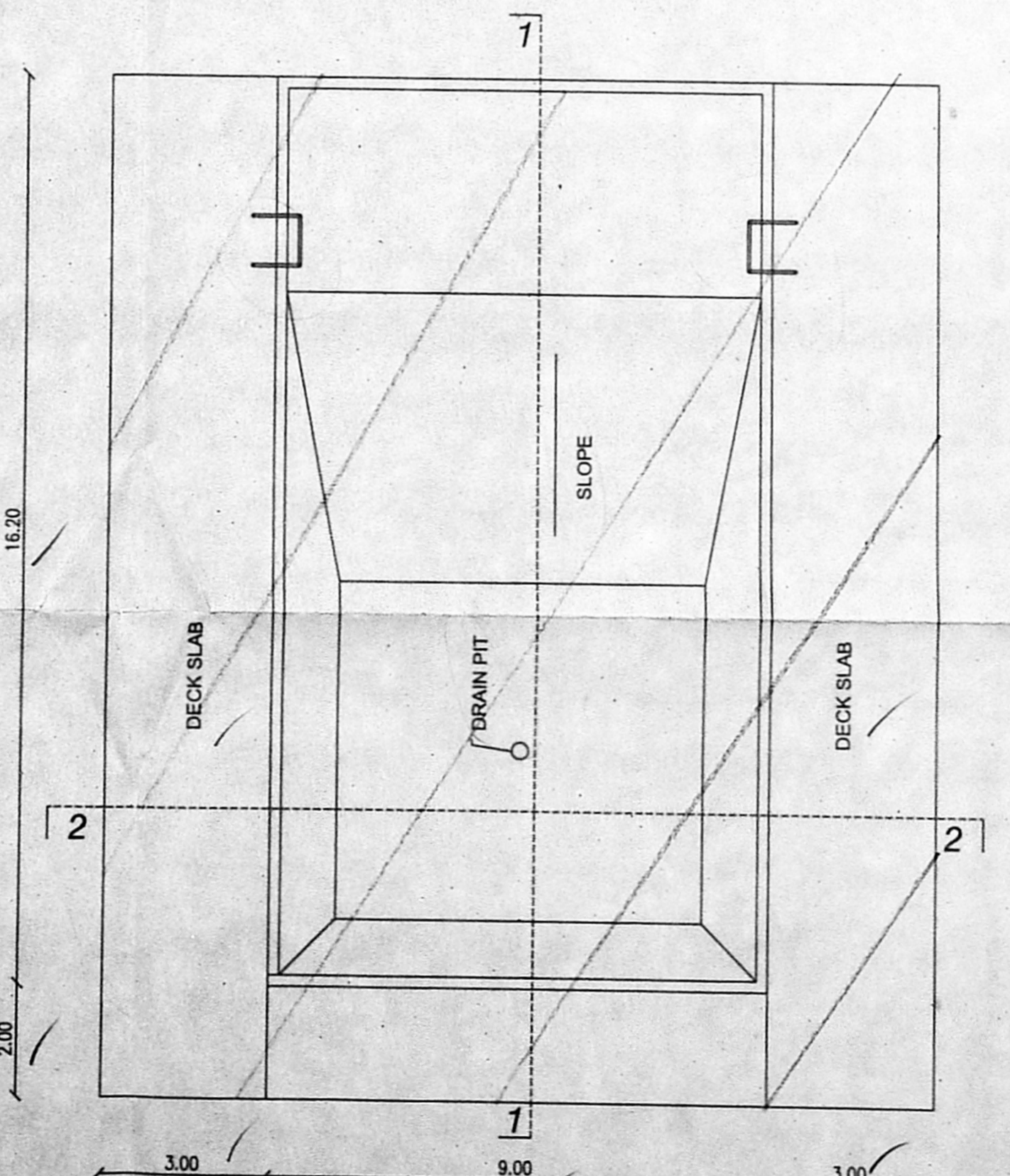
UPFLOW FILTER
CAPACITY PEAK GRAVITY = $46 \times 0.045 = 2.07 \text{ M}^3$
ASSUME DEPTH = 0.80M
HENCE AREA OF FINAL EFFLUENT SUMP = $\frac{2.03}{0.80} = 2.53 \text{ M}^2$
SIZE OF FINAL EFFLUENT SUMP = $3.35 \times 1.64 \times 0.80$
SIZE OF UPFLOW FILTER-1 = $3.35 \times 1.07 \times 1.30 \text{ M}$
SIZE OF UPFLOW FILTER-2 = $3.35 \times 1.07 \times 1.30 \text{ M}$



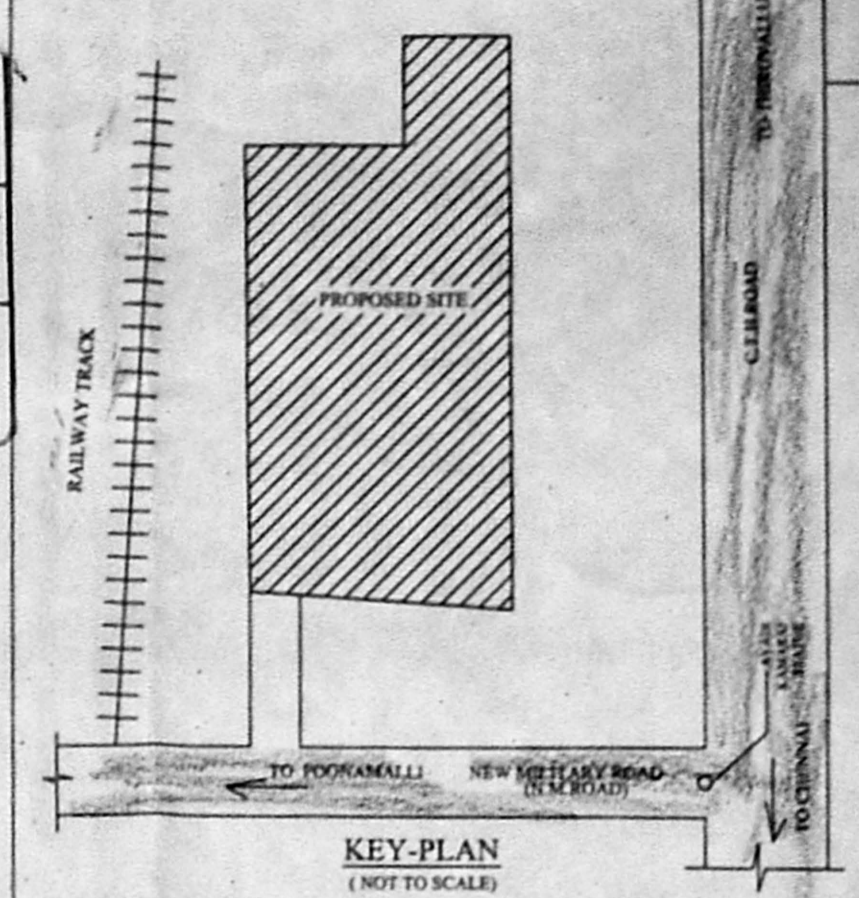
SECTION ON D-D



DETAILS FOR SEPTIC TANK WITH UPFLOW FILTER



SWIMMING POOL PLAN (WITHOUT DIVING BOARD)



KEY-PLAN
(NOT TO SCALE)

SPECIFICATION:

- FOUNDATION - RCC COLUMN FOOTINGS
- BRICK WORK - CM 1:8 FOR SUPER STRUCTURE
- PLASTERING - CM 1:5 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 WOOD WORKS IN BEST QUALITY TIMBER
- WEATHERING COURSE - AS PER NATIONAL BUILDING CODE

AREA STATEMENT

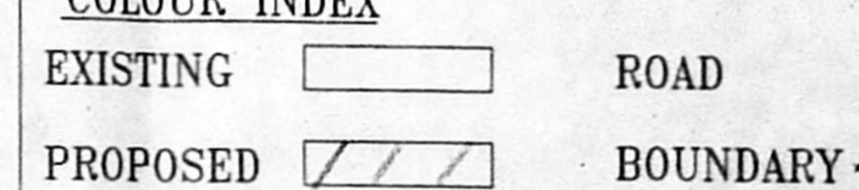
PLOT EXTENT (DOC.)	2639.22
PLOT EXTENT (PATTA)	2475.00

FLOOR	F.S.I AREA
GROUND FLOOR	642.91
FIRST FLOOR	610.64
SECOND FLOOR	614.58
THIRD FLOOR	605.09
TOTAL	2473.22

F.S.I = 1.0

CAR PARKING PROVIDED : 27 NOS.
TWO WHEELER PARKING PROVIDED : 28 NOS.

COLOUR INDEX



SCALE : 1:100

THE ALTERATION AND ADDITION TO THE EARLIER APPROVAL FOR THE EXISTING GROUND +2 FLOORS +3rd FLOOR PART RESTAURANT CUM LODGING (COMMERCIAL BUILDING) INCLUDING PROPOSED CONSTRUCTION OF SWIMMING POOL AT GROUND LEVEL AT DOOR NO. 140, NEW MILITARY ROAD, AVADI, CHENNAI - 54 COMPRISED IN OLD S.NO.122 / 2B1 PART, 122/2B1C1 PART (AS PER DOC), S.NO. 122/2B1C1A PART, T.S.NO.40, S.NO. 122/2B1C1 PART, T.S.NO.55 S.NO.122/1C1, TSNO.56 (AS PER PATTA) BLOCK NO.16, WARD-G OF VILINJIAMBAKKAM VILLAGE, AVADI TALUK, THIRUVALLUR DISTRICT, AVADI CORPORATION.
EARLIER APPROVAL NO.: B/SPL.BLDG./15-A&B/2018
IN LETTER NO. B3/2701/2017
DATED : 25.01.2018

Er. R. DILIP, B.E.(CIVIL), M.Tech(STRUCTURAL),
Registered Engineer Grade - II (RE)
Chennai Metropolitan Development Authority (CMDA)
Registration No: REG-62009/144
No.8, Prasa Avenue, Kambur Street, Velammal New Town,
Thiruvallur District, Chennai - 600 082.
Mobile: +91984123477 Email: p.dilip2017@gmail.com

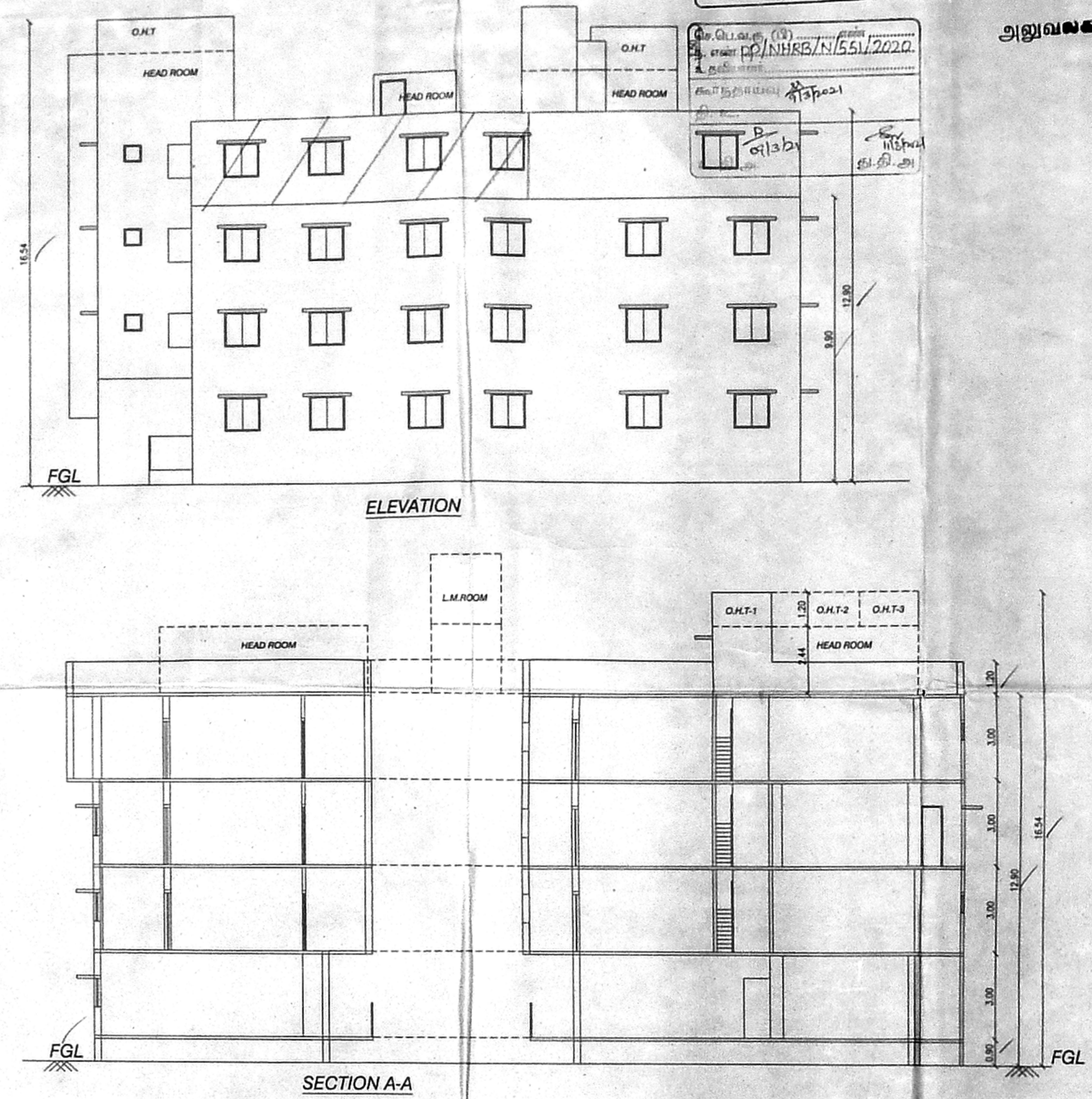
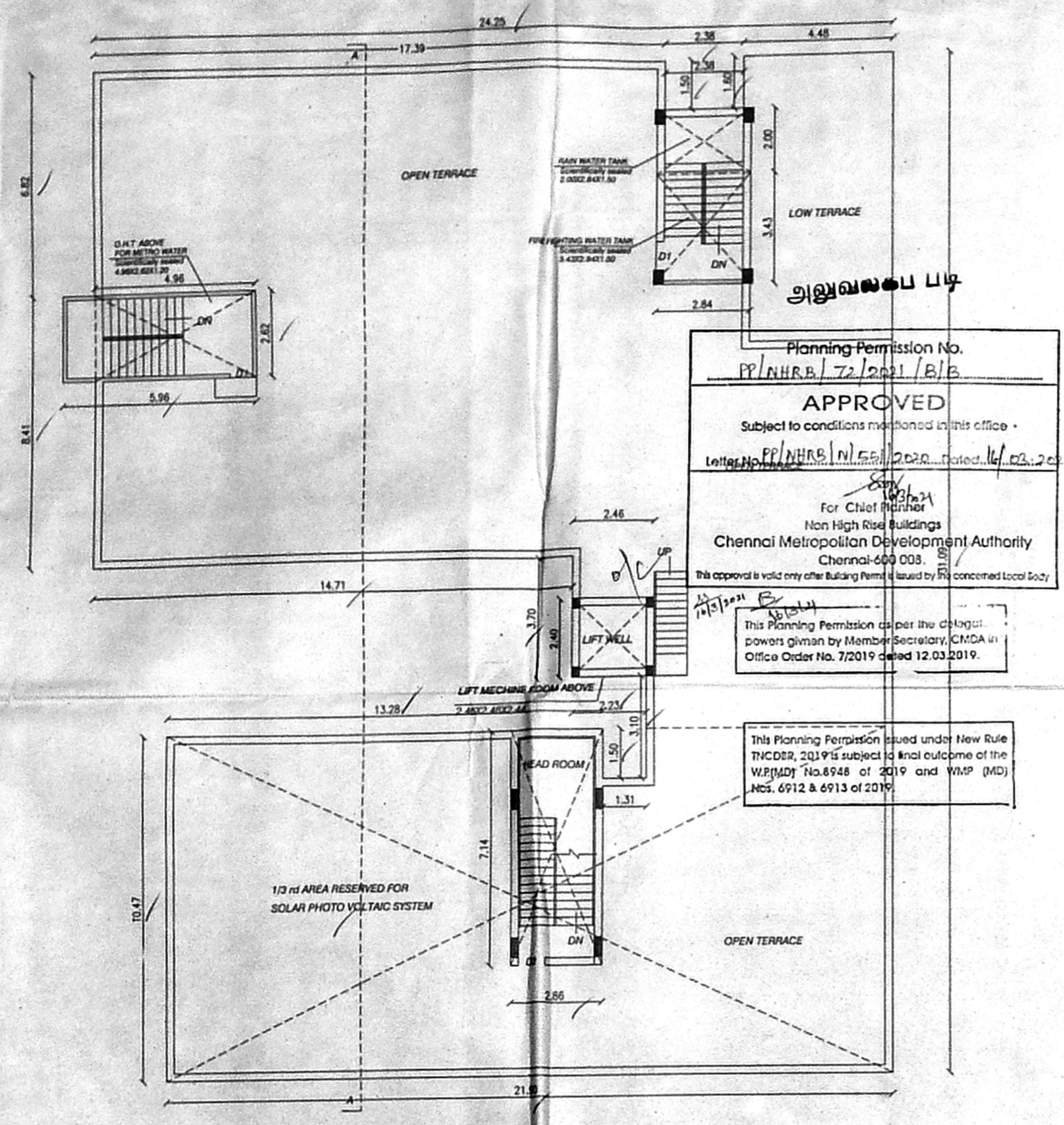
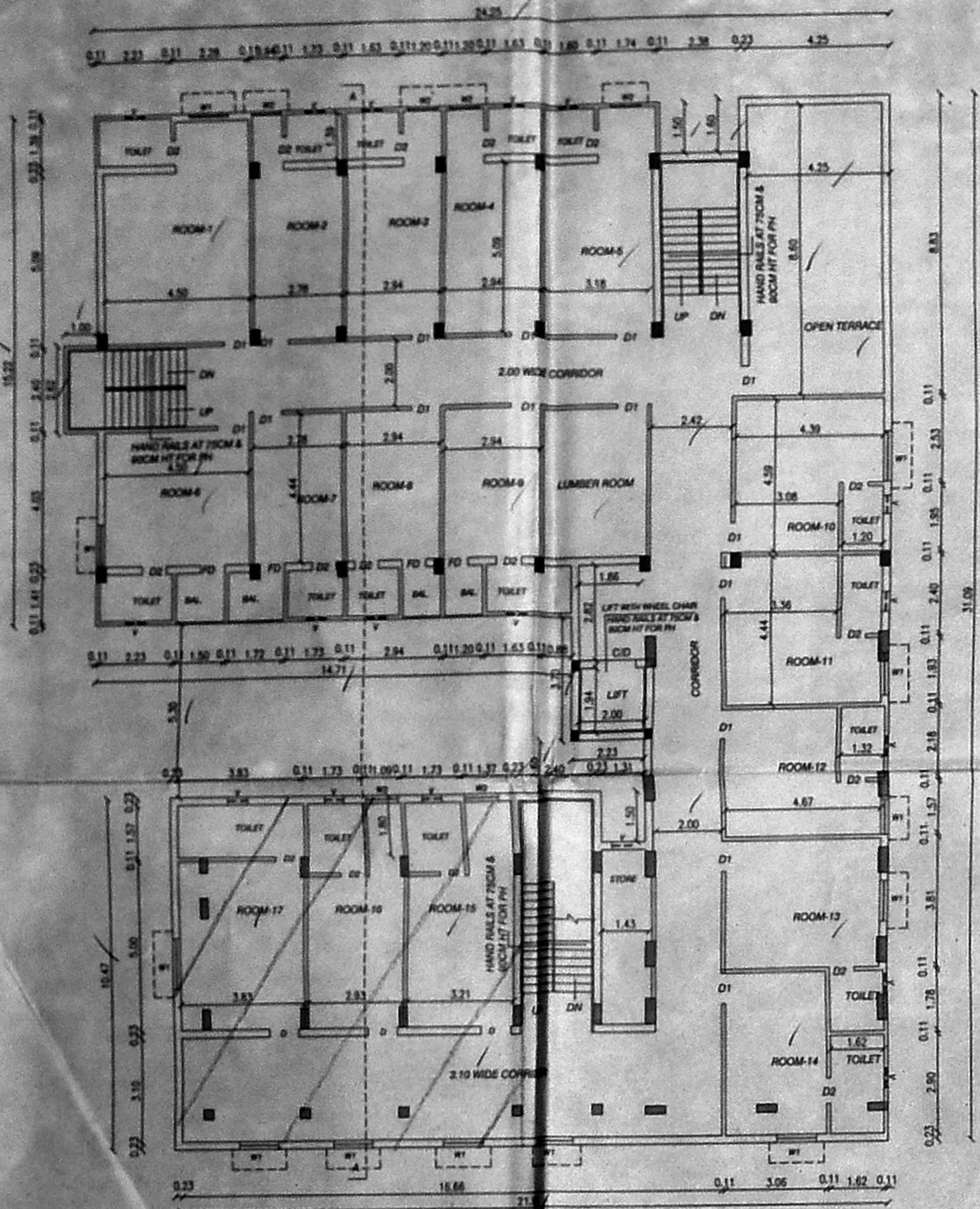
REGISTERED ENGINEER

Er. P.DILIP, B.E.(CIVIL), M.Tech(STRUCTURAL),
Registered Structural Engineer Grade - I (SE)
Chennai Metropolitan Development Authority (CMDA)
Registration No: REG-62009/1241
No.8, Prasa Avenue, Kambur Street, Velammal New Town,
Thiruvallur District, Chennai - 600 082.
Email: p.dilip2017@gmail.com Mobile: +91984123477

REGISTERED STRUCTURAL ENGINEER

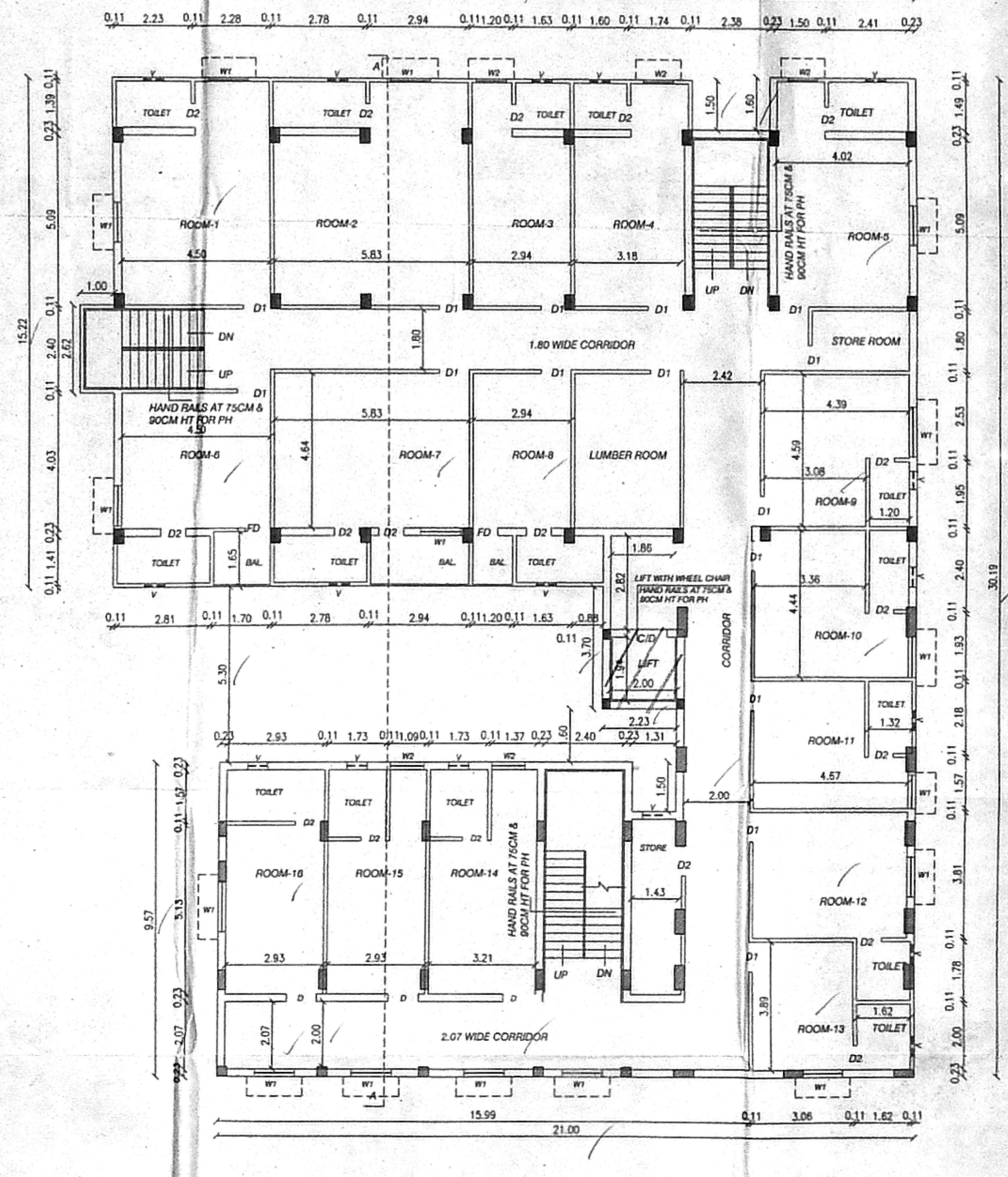
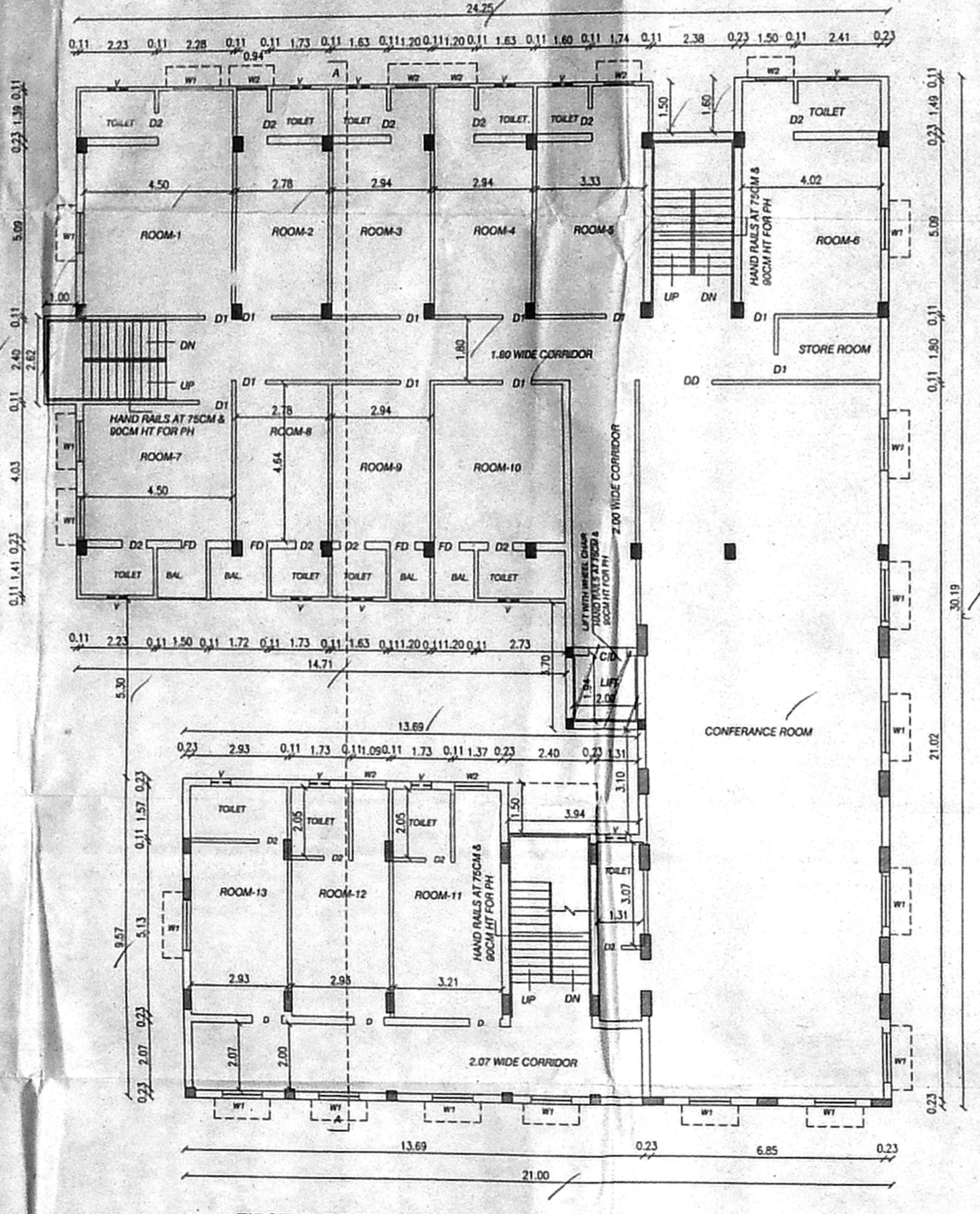
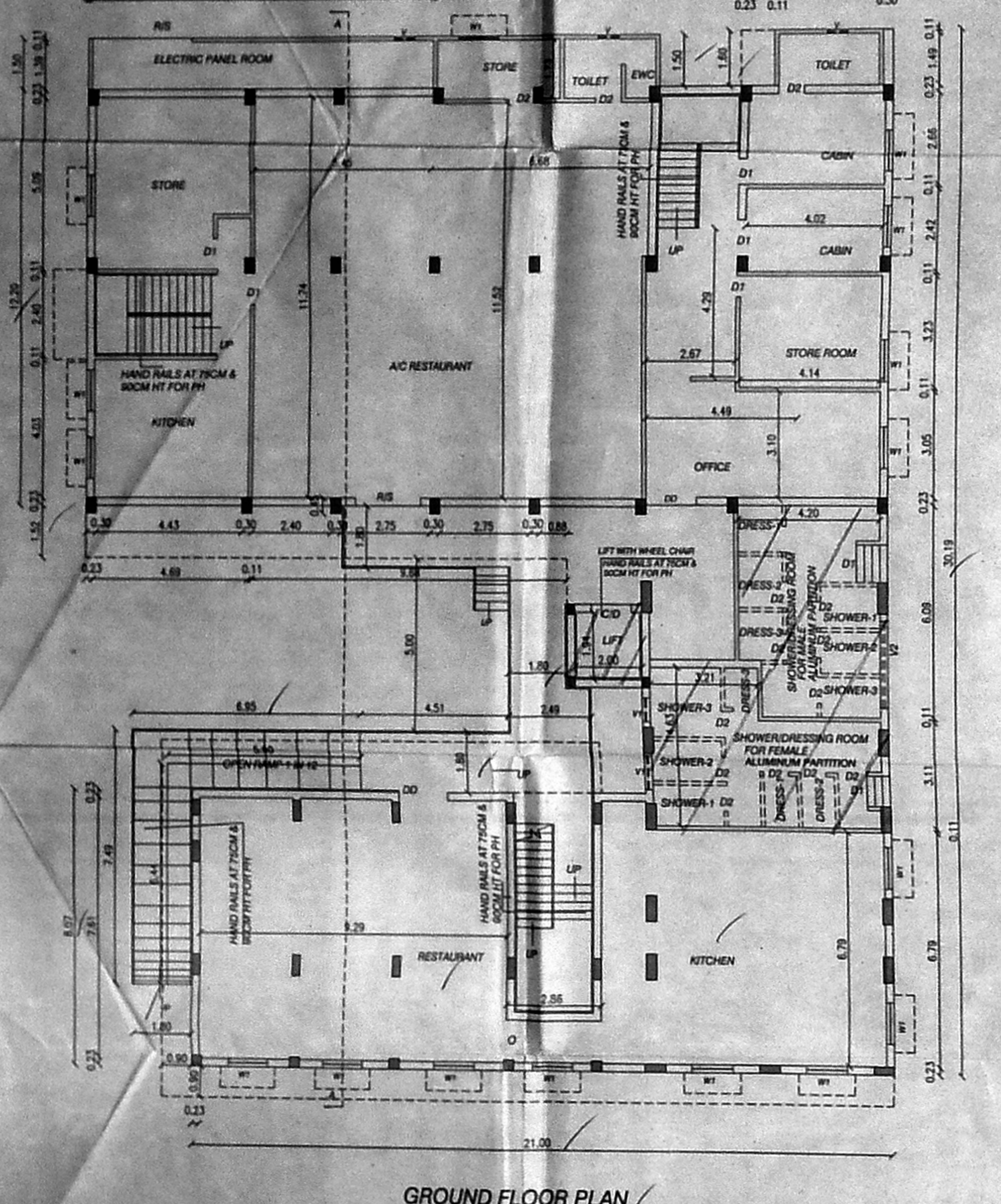
OWNER'S SIGNATURE

அனுமதிக்கப்பட்ட படி



Planning Permission No. PP/NHRB/1551/2020/B/B
APPROVED
 Subject to conditions mentioned in this office.
 For Chief Member
 High Rise Buildings
 Chennai Metropolitan Development Authority
 Chennai-600 003.
 This approval is valid only after Building Permits issued by the concerned Local Body.
 This Planning Permission is given under the authority of powers given by Member Secretary, CMDA in Office Order No. 72019 dated 12.03.2019.

This Planning Permission issued under New Rule TNCDDP, 2019 is subject to final outcome of the WBPMD No.6948 of 2019 and WSP (MD) Nos. 6912 & 6913 of 2019.



COLOUR INDEX		SCHEDULE OF JOINERY	
EXISTING		D1 DOOR	1.50X2.13
PROPOSED		D2 DOOR	1.20X2.13
ROAD		FD DOOR/WINDOW	1.20X2.13
BOUNDARY		D1 DOOR	0.90X2.13
		D2 DOOR	0.70X2.13
		W WINDOW	1.00X1.22
		W1 WINDOW	1.20X1.22
		V VENTILATOR	0.90 X 0.60

SCALE : 1:100
 THE ALTERATION AND ADDITION TO THE EARLIER APPROVAL FOR THE EXISTING GROUND +2 FLOORS +3rd FLOOR PART RESTAURANT CUM LODGING (COMMERCIAL BUILDING) INCLUDING PROPOSED CONSTRUCTION OF SWIMMING POOL AT GROUND LEVEL AT DOOR NO. 140, NEW MILITARY ROAD, AVADI, CHENNAI - 54 COMPRISED IN OLD S.NO.122 / 2B1 PART, 122/2B1C1 PART (AS PER DOC), S.NO. 122/2B1C1A PART, T.S.NO.40, S.NO. 122/2B1C1 PART, T.S.NO.55 S.NO.122/1C1, TSNO.56 (AS PER PATT) BLOCK NO.16, WARD-G OF VILINJAMBAKKAM VILLAGE, AVADI TALUK, THIRUVALLUR DISTRICT, AVADI CORPORATION.
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REGISTERED ENGINEER
 E. R. SURESH, B.E. CIVIL, R. TECHNICAL, Chennai Metropolitan Development Authority (CMDA)
 Registered Engineer No. 11801
 No. 3, Anna Avenue, T. Nagar, Chennai - 600 017
 Email: esuresh@rediffmail.com

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