

SITE CUM STILT FLOOR PLAN

Planning Permission No. **6/NMRA/135A/B/2020**

APPROVED

Subject to conditions mentioned in this office

Letter No. **PP/135A/B/2020/135** dated **11/03/2020**

For Chief Planner
Non High Rise Buildings
Chennai Metropolitan Development Authority
Chennai-600 008.

This approval is valid only after building permit is issued by the competent authority.

This Planning Permission issued under New Rule THE CMR, 2019 is subject to final outcome of the MEMOS DATED 01/2019 and WMP (M) Nos. 6912 & 6913 of 2019.

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

Typical Detail of Column Foundation

SEPTIC TANK WITH UPPER FLOW FILTER PLAN

Plan of Recycled Sullage water Collecting Sump

Plan of Rainwater Collecting Sump

Plan of Sump

Section

Dwarf Wall Detail

LEGEND

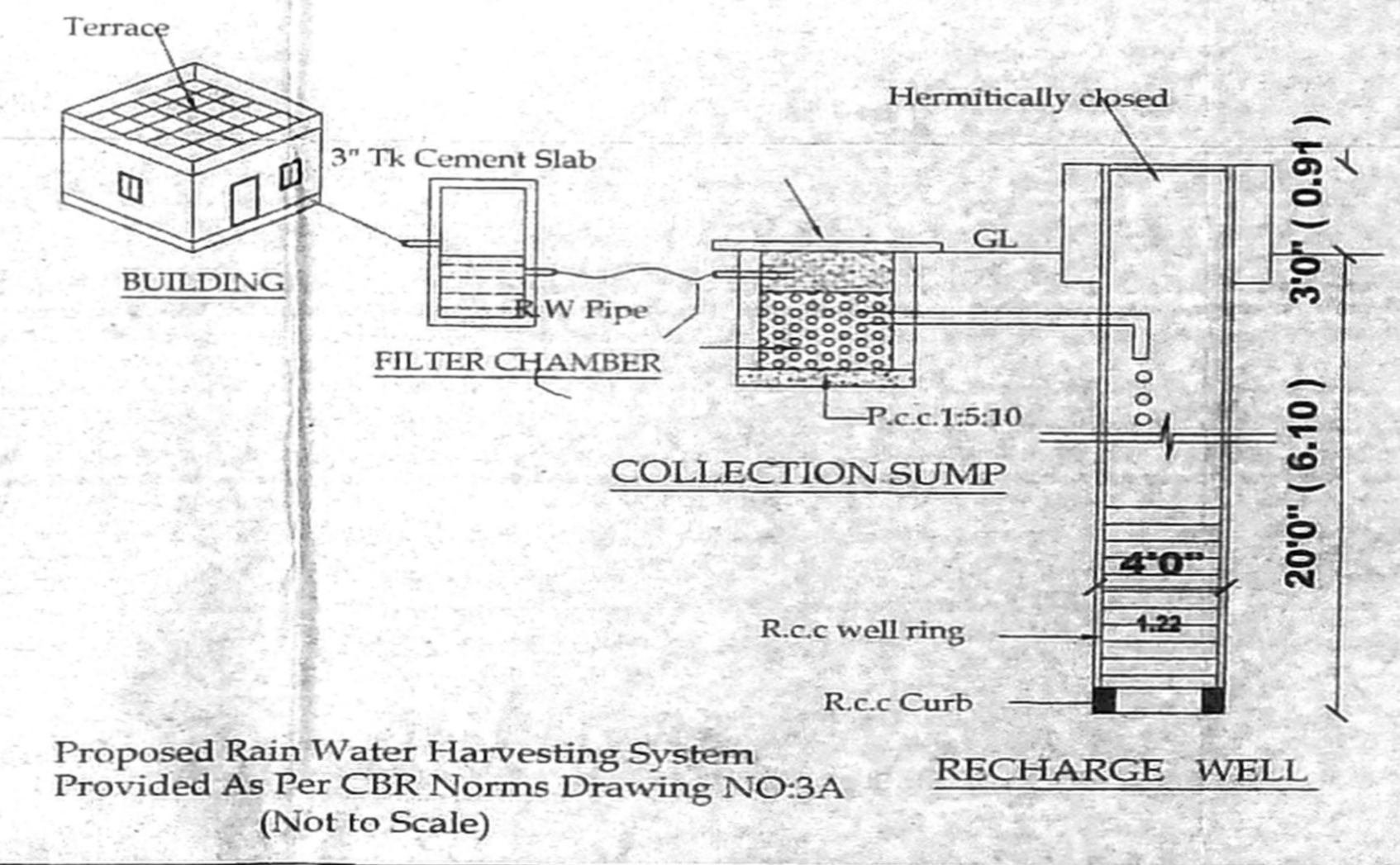
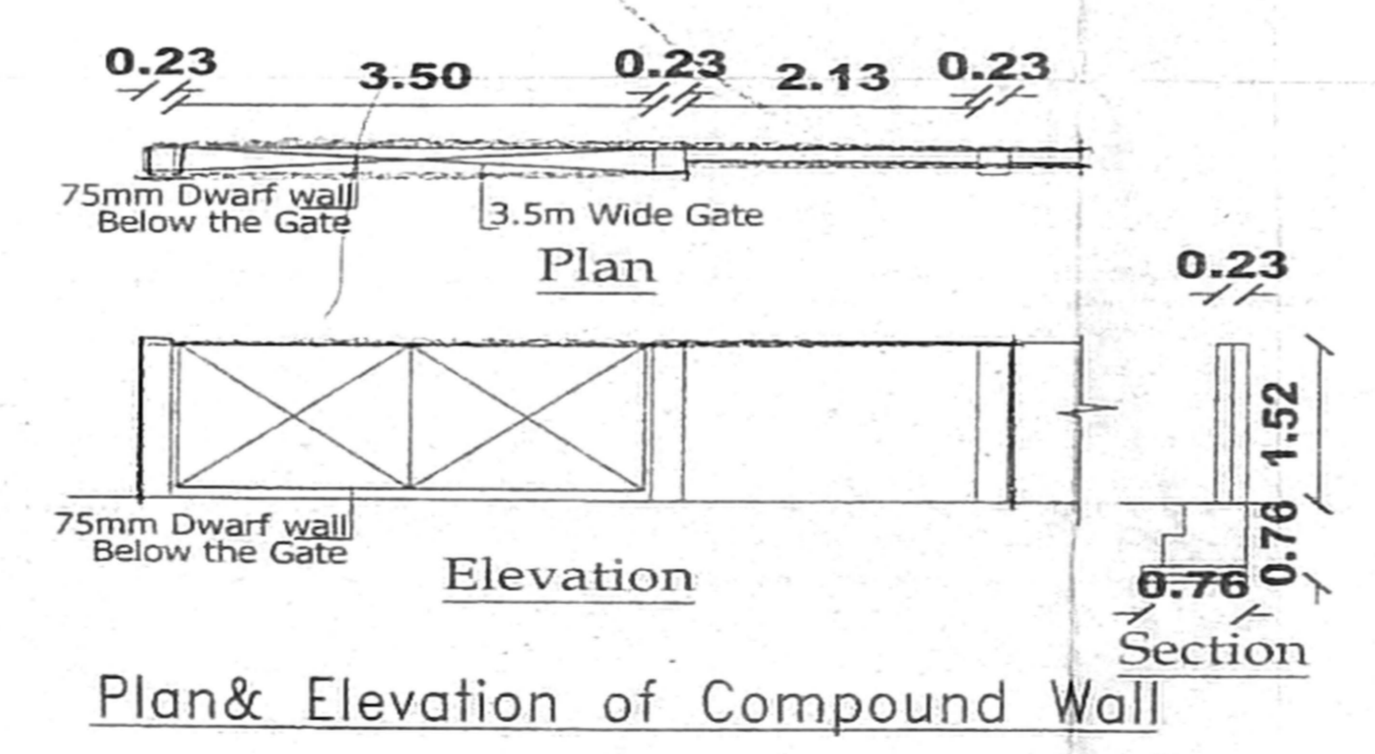
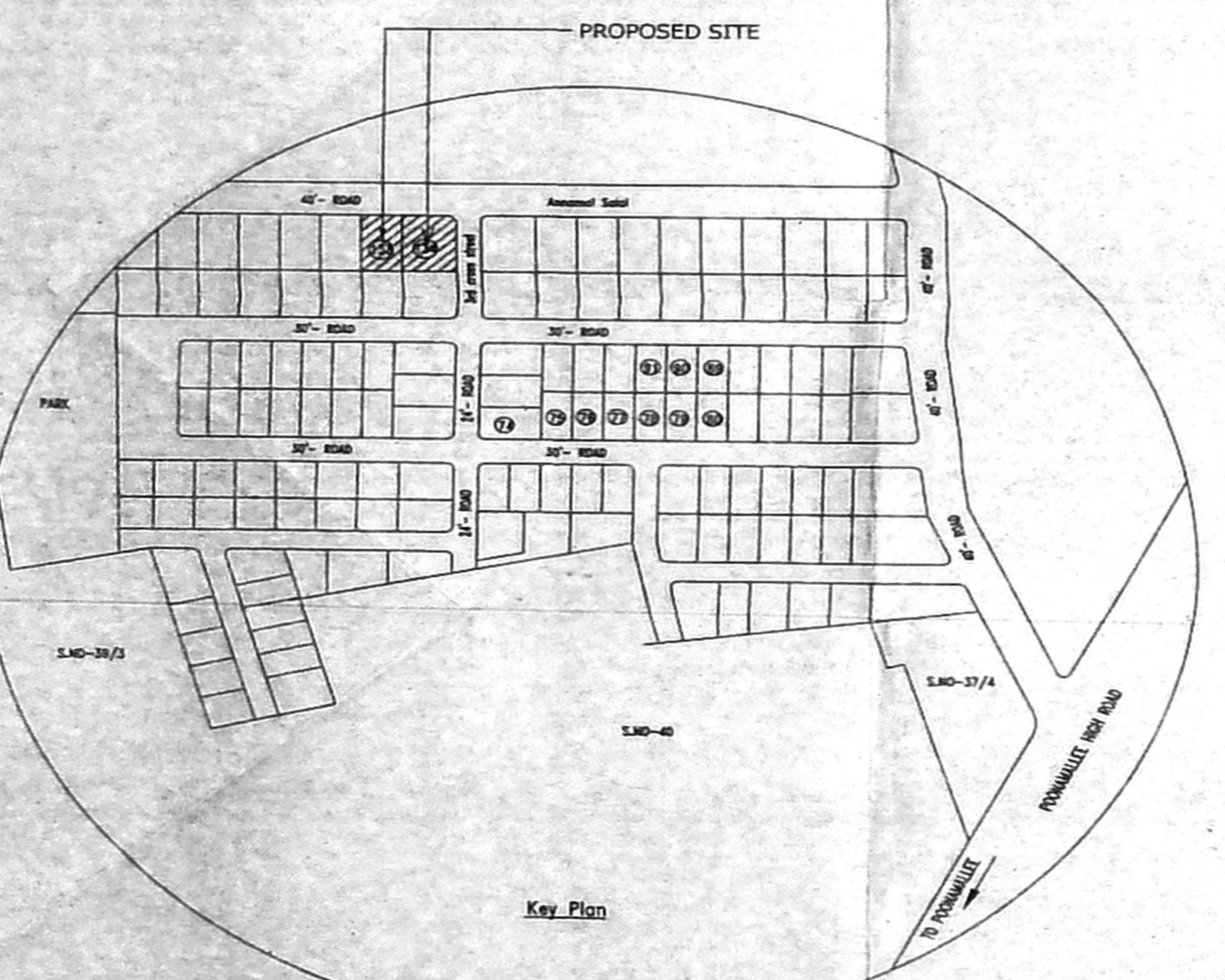
PROPOSED CONSTRUCTION

BOUNDARY LINE

ROADS

AREA STATEMENT	SQ.M
Plot Area	694.79 Sq.m
AS PER DOCUMENT	600.00 Sq.m
AS PER PATA	600.00 Sq.m
Floor	FSI Area in Sq.m
STILT FLOOR (PARKING) : 293.60	293.60
FIRST FLOOR : 293.60	293.60
SECOND FLOOR : 293.60	293.60
THIRD FLOOR : 293.60	293.60
TOTAL BUILTUP AREA	880.80 Sq.m
F.S.I. : 880.80 / 600.00	= 1.468

Car Parking Required - 6 nos
Car Parking Provided - 6 nos



STILT CUM SITE PLAN, FOUNDATION DETAIL, COMPOUND WALL PLAN, SEPTIC TANK PLAN AND SECTION, DWARF WALL DETAIL, RECYCLE SULLAGE, COLLECTING SUMP, PLAN & SECTION OF SUMP, PLAN OF RAIN WATER

116.00
x90.00
Dwarf wall

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT + 3 FLOORS RESIDENTIAL BUILDING WITH 6 DWELLING UNITS AT PLOT NO. XVII & XVIII, ANNAMAL SALAI/ 3rd CROSS STREET, THIRUVERKADU CO-OPERATIVE NAGAR PHASE -IV, NOOMBAL, CHENNAI, COMPRISED IN OLD S.NO. 37 PART, NEW S.NO. 133 & 134 OF NOOMBAL VILLAGE, THIRUVERKADU MUNICIPALITY.

Septic Tank With Up Flow Filter Calculation For Residential Apartment

No. of Flats	: 6 Nos.
Capacity for 40 users	: 45 x 0.045 = 2.00 cu.mt
Depth (assumed)	: 0.8 (minimum)
Hence area of final effluent sump	: $\frac{2.00}{0.8} = 2.50$ sq.m
Size of final effluent sump	: 2.50 x 1.00 x 0.80m
Size of up flow filter (1)	: 2.50 x 1.00 x 0.80m
Size of up flow filter (2)	: 2.50 x 1.00 x 0.80m

UPFLOW FILTERS

Capacity for 40 users : 45 x 0.045 = 2.00 cu.mt
Depth (assumed) : 0.8 (minimum)
Hence area of final effluent sump : $\frac{2.00}{0.8} = 2.50$ sq.m
Size of final effluent sump : 2.50 x 1.00 x 0.80m
Size of up flow filter (1) : 2.50 x 1.00 x 0.80m
Size of up flow filter (2) : 2.50 x 1.00 x 0.80m

SPECIFICATION

- P.C.C IN M25 GRADE
- R.C.C IN M25 GRADE
- 230MM BRICK WORK IN C.M 1:5
- 115MM BRICK WORK IN C.M 1:5
- PLASTERING THE CEILING IN C.M 1:3
- PLASTERING THE WALL IN C.M 1:4
- THE O.H.T IS SCIENTIFICALLY CLOSED
- THE U.G SUMP IS SCIENTIFICALLY CLOSED

Septic Tank With Up Flow Filter Calculation.

Surface area required for the septic tank	: $\frac{120 \times 0.92}{10} = 11.04$ sq.m Say 12 sq.m
Volume of free board	: 12.00 x 0.30m = 3.6 cu.mt
Volume of sedimentation	: 12.00 x 0.30m = 3.6 cu.mt
Volume of digestion	: 45 x 0.033 = 1.49 cu.mt
Volume of sludge	: 45 x 365 x 0.0002 = 3.29 cu.mt
Total volume	: 11.98 cu.mt.
Depth of Septic tank	: $\frac{\text{volume}}{\text{Surface area}} = \frac{11.98}{12.00} = 1.00$ m
Intel pipe invert level assuming a	: 0.60m
Gradient of 1 in 8 starting from first chamber	
Total Liquid Depth	: 1.00m + 0.60m
Required size of septic tank	: 2.50m x 2.50m x 2.00 m

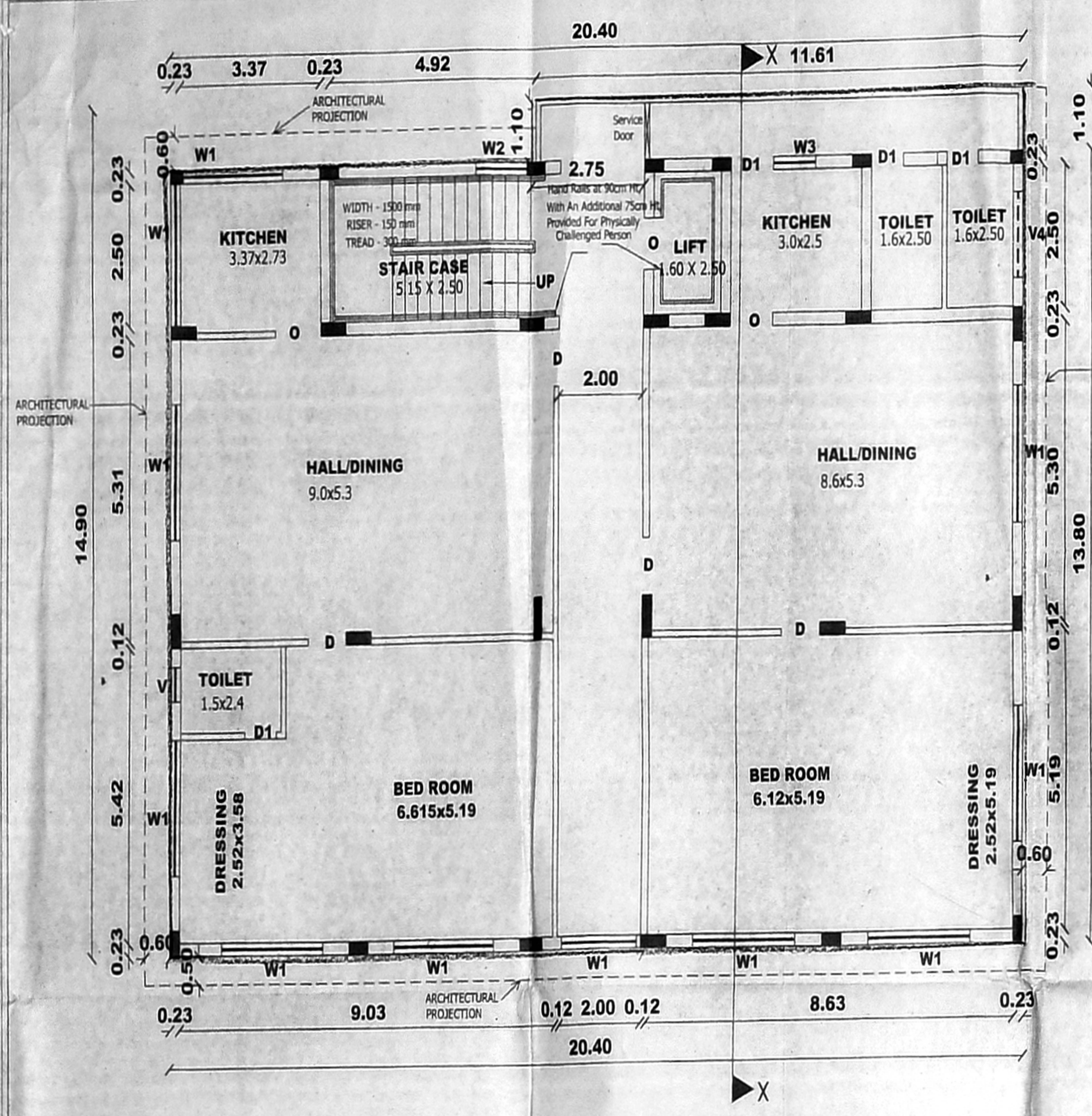
SCHEDULE OF JOINERY

S.No	WIDTH	HEIGHT	DESCRIPTION
RS	3.05	2.13	
D	1.07	2.13	DOOR
D1	0.91	2.13	DOOR
D2	0.61	2.13	DOOR
FD	2.44	2.13	DOOR
W1	2.40	1.95	WINDOW
W2	1.20	1.90	WINDOW
W3	1.00	1.90	WINDOW
W4	1.50	0.90	WINDOW
W5	0.60	1.35	WINDOW
W6	1.20	1.36	WINDOW
W7	1.20	1.00	WINDOW
V	0.61	0.61	GLAZED VENTILATOR

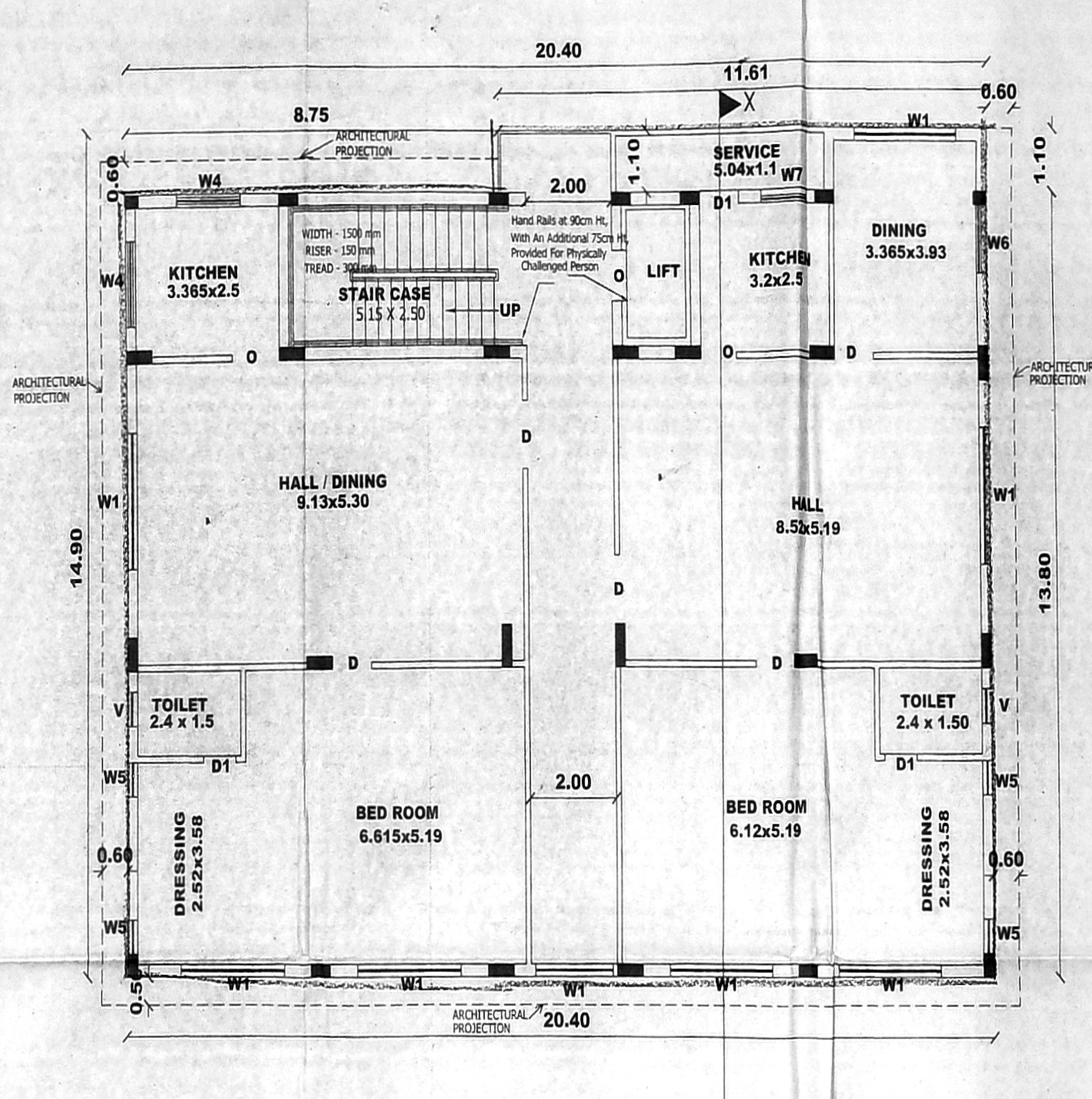
OWNER :
S. Rajesh

ARCHITECT :
M. HANDEGAN, B.Arch, AIA
REGISTERED ARCHITECT
No.22, 1st Cross Street, Velupillai Nagar,
Thiruverkadu, Chennai-600 041.
Ph: 94424571679

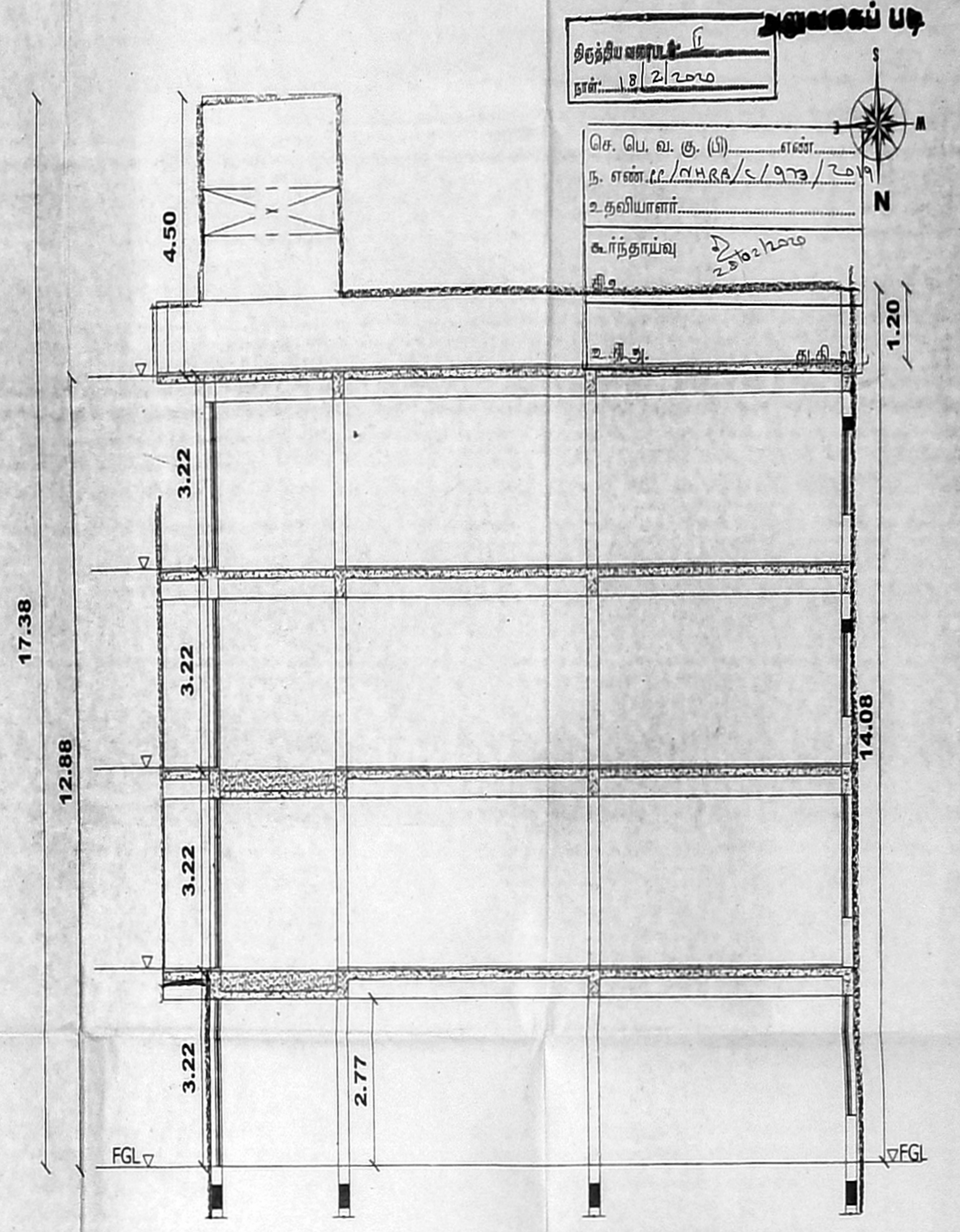
STRUCTURAL :



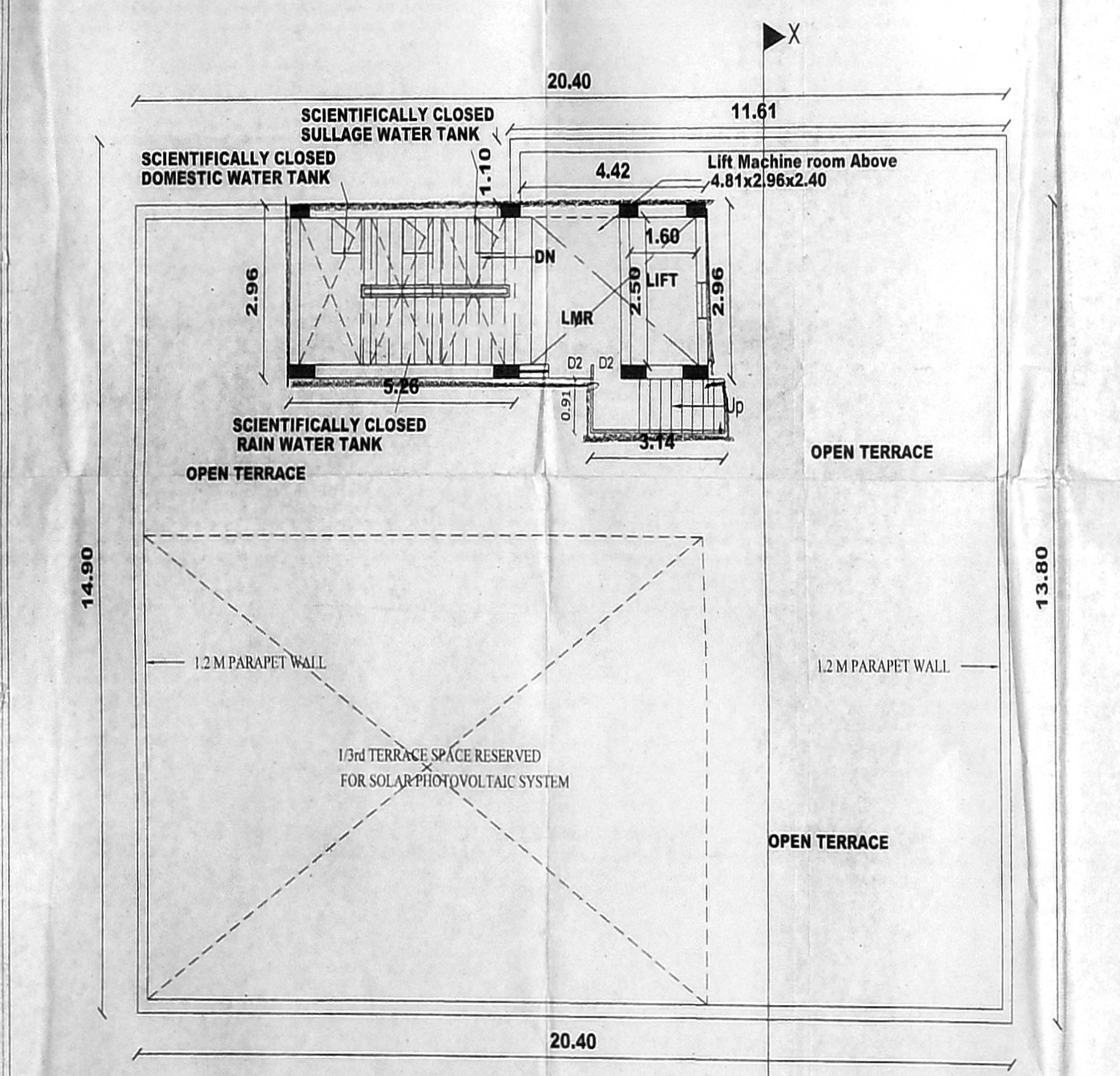
TYPICAL FIRST AND SECOND FLOOR PLAN



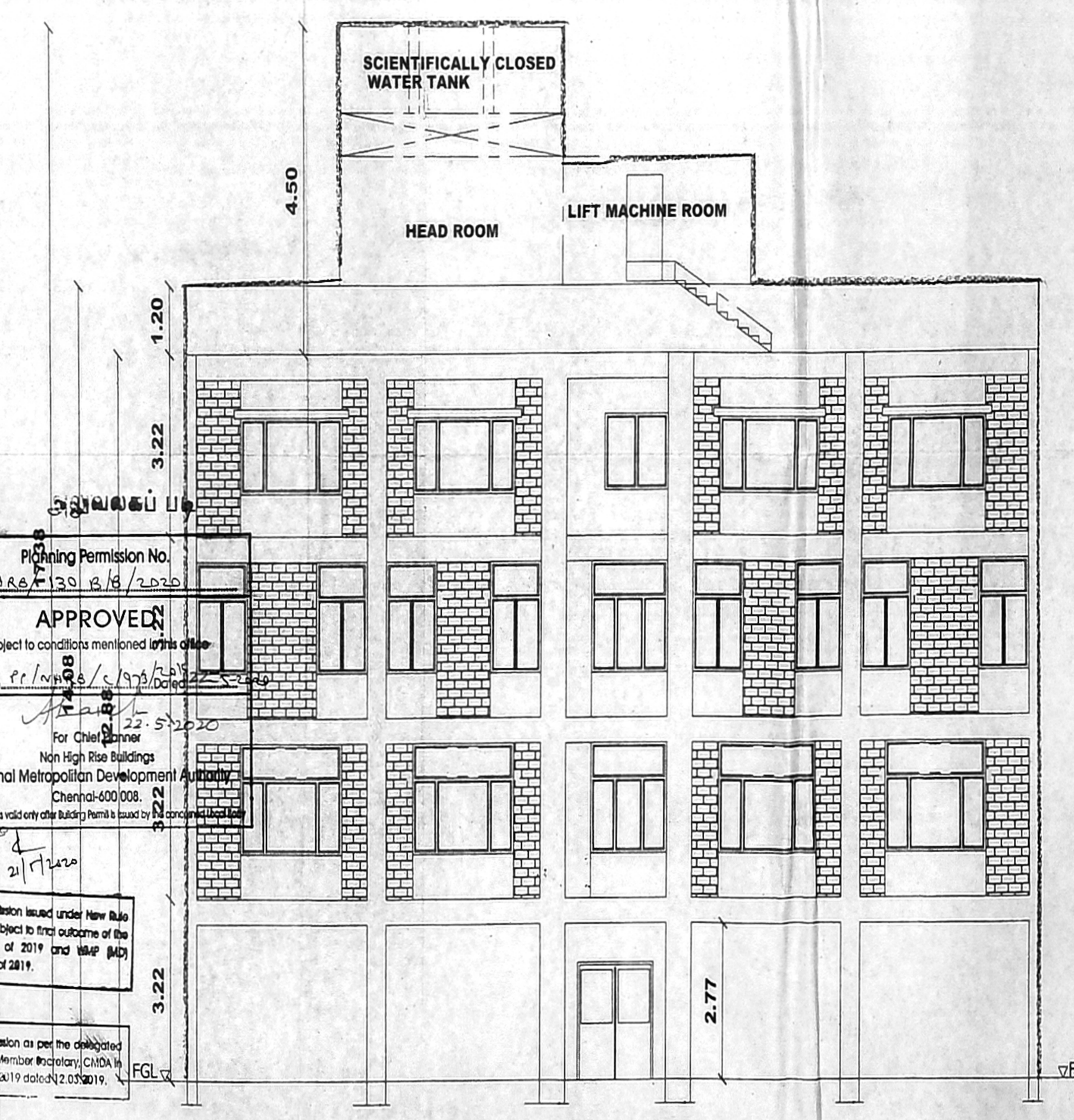
THIRD FLOOR PLAN



SECTION X-X



TERRACE FLOOR PLAN



NORTH ELEVATION

SCHEDULE OF JOINERY

S.No	WIDTH	HEIGHT	DESCRIPTION
RS	3.05	2.13	
D	1.07	2.13	DOOR
D1	0.91	2.13	DOOR
D2	0.61	2.13	DOOR
FD	2.44	2.13	DOOR
W1	2.40	1.95	WINDOW
W2	1.20	1.90	WINDOW
W3	1.00	1.90	WINDOW
W4	1.50	0.90	WINDOW
W5	0.60	1.35	WINDOW
W6	1.20	1.36	WINDOW
W7	1.20	1.00	WINDOW
V	0.61	0.61	GLAZED VENTILATOR

TYPICAL FIRST AND SECOND FLOOR PLAN, THIRD FLOOR PLAN, TERRACE FLOOR PLAN, SECTION & ELEVATION DRAWING

LEGEND

PROPOSED CONSTRUCTION	
BOUNDARY LINE	
ROADS	

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT + 3 FLOORS RESIDENTIAL BUILDING WITH 6 DWELLING UNITS AT PLOT NO.XVII & XVIII, ANNAMAL SALAI/ 3rd CROSS STREET, THIRUVERKADU CO-OPERATIVE NAGAR PHASE -IV, NOOMBAL, CHENNAI, COMPRISED IN OLD S.NO. 37 PART, NEW S.NO. 37/133 & 37/134 OF NOOMBAL VILLAGE, THIRUVERKADU MUNICIPALITY.

Planning Permission No. B/MHA/6/130 B/19/2020

APPROVED

Subject to conditions mentioned in the office letter No. 81/MHA/6/130 B/19/2020 dated 25.02.2020 For Chief Engineer

Non High Rise Buildings

Chennai Metropolitan Development Authority

Chennai-600 008.

This approval is valid only after Building Permit is issued by Corporation/Local Body.

This Planning Permission issued under New Rule (VOCBER, 2019) is subject to final outcome of the W2(MCI) No.1944 of 2019 and W&P (MCI) No. 4913 & 4912 of 2019.

This Planning Permission as per the delegated power granted by Member Secretary, CMDA to Chief Engineer No. 2019 dated 2.03.2019.

- SPECIFICATION
- P.C.C IN M25 GRADE
 - R.C.C IN M25 GRADE
 - 230MM BRICK WORK IN C.M 1:5
 - 115MM BRICK WORK IN C.M 1:5
 - PLASTERING THE CEILING IN C.M 1:3
 - PLASTERING THE WALL IN C.M 1:4
 - THE O.H.T IS SCIENTIFICALLY CLOSED
 - THE U.G SUMP IS SCIENTIFICALLY CLOSED

OWNER :

S. Prathu Boushan No. 7117

ARCHITECT :

M. V. Mohan

M. V. MOHAN, B.Arch, AIA, REGD. ARCHITECT
COUNCIL OF ARCHITECTURE
REGN. No. CA/75/1102, Addn. No. A-3887
No.22, 1st Seaward Road, Valmiki Nagar,
Thiruvallur, Chennai-600 041.
Ph: 044-2457 1679

STRUCTURAL :

S. Prathu Boushan

S. PRATHU BOUSHAN, M.Arch, Structural Engineer
Reg. No. SE / CR-11 / 19/08/156
No.13/2, Main 100 Street,
Shanmuga Nagar, Pudukkottai,
Chennai-605 011. Phone: +91 9449184956
www.sprathuboushan@gmail.com