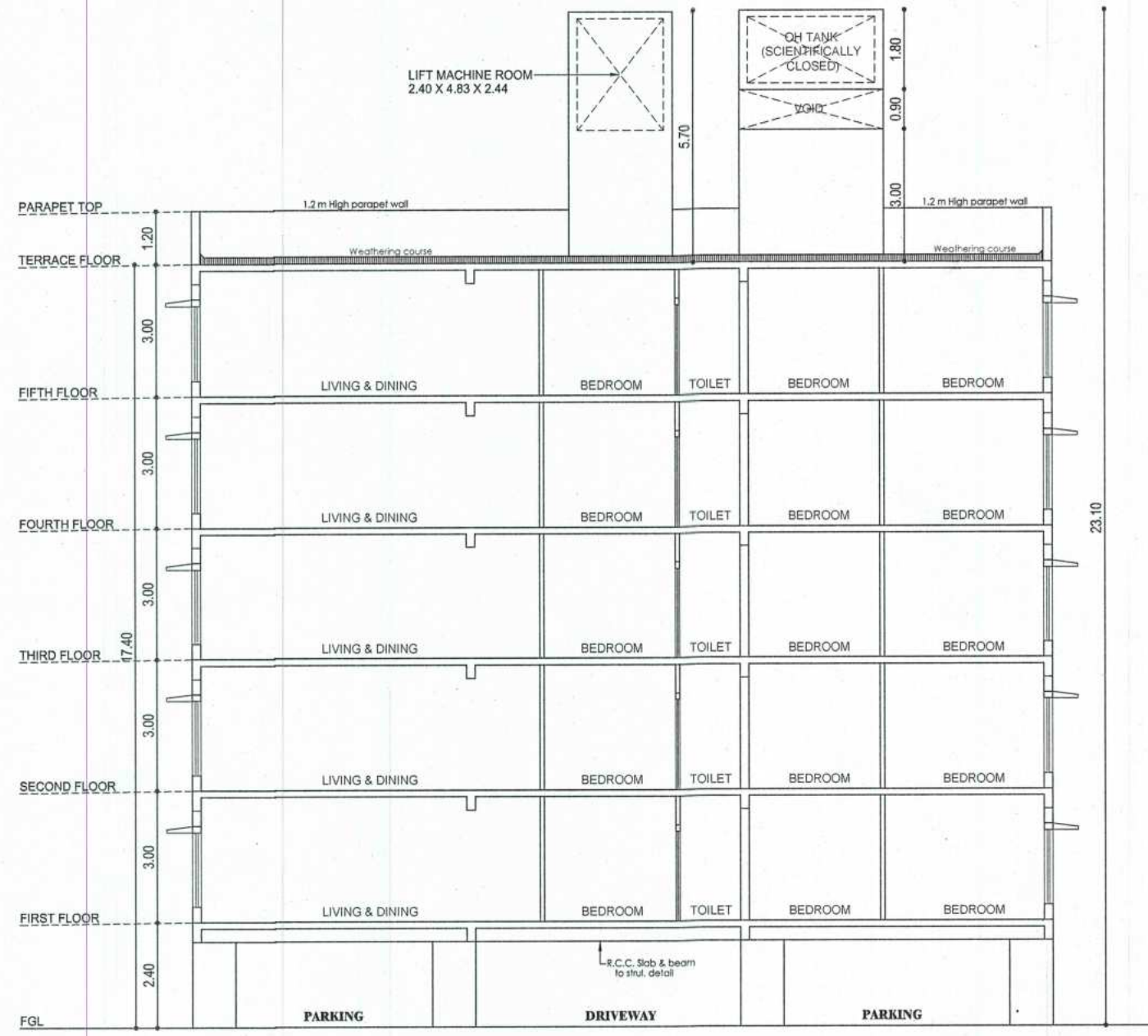
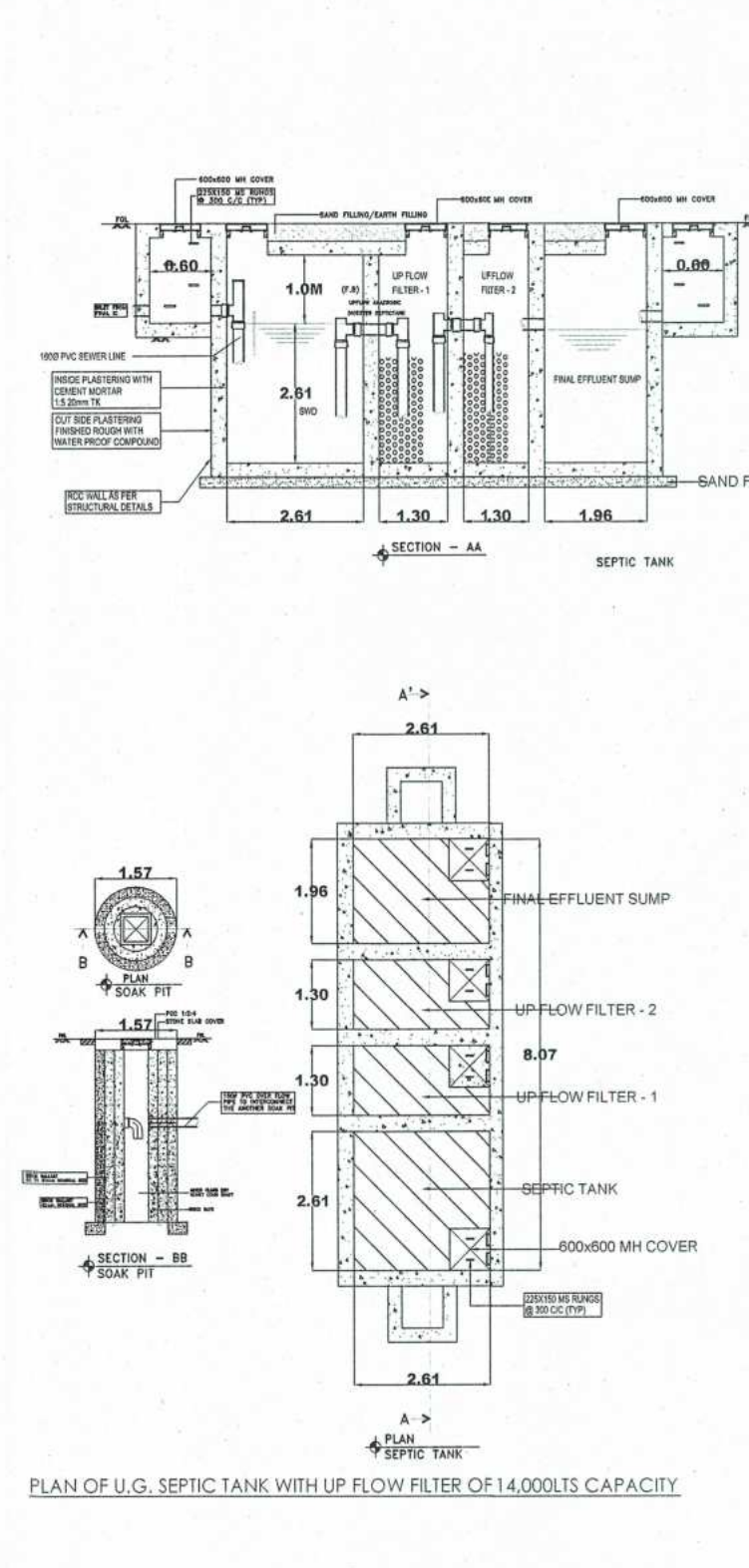
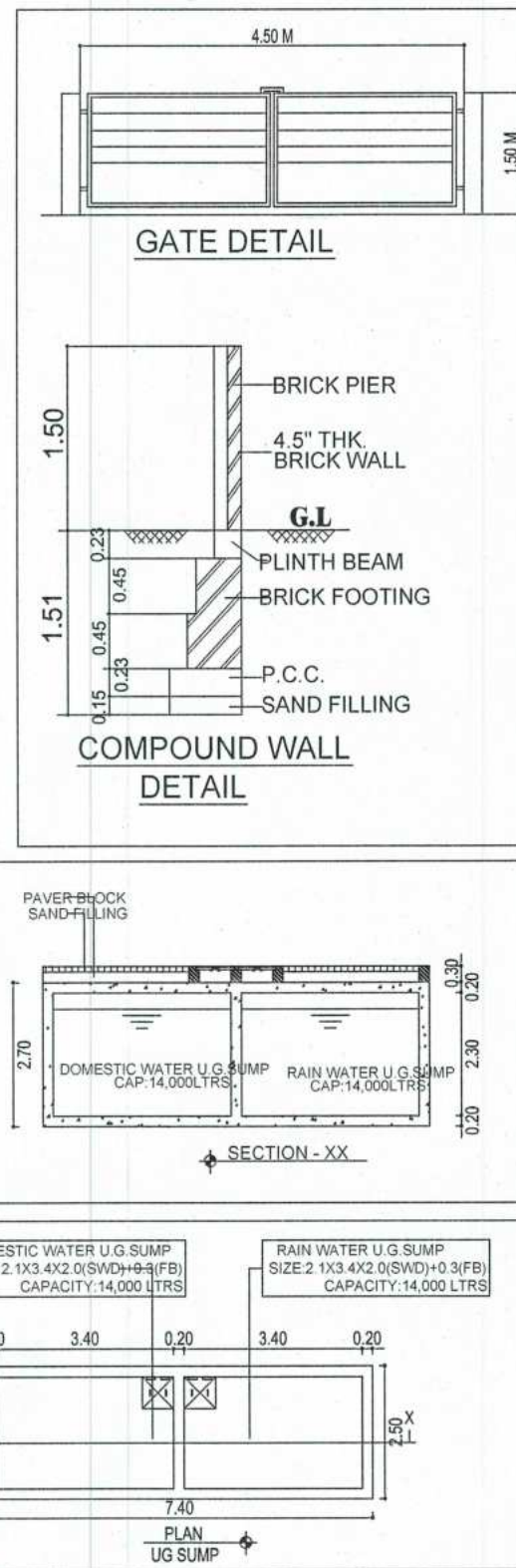




FRONT SIDE ELEVATION



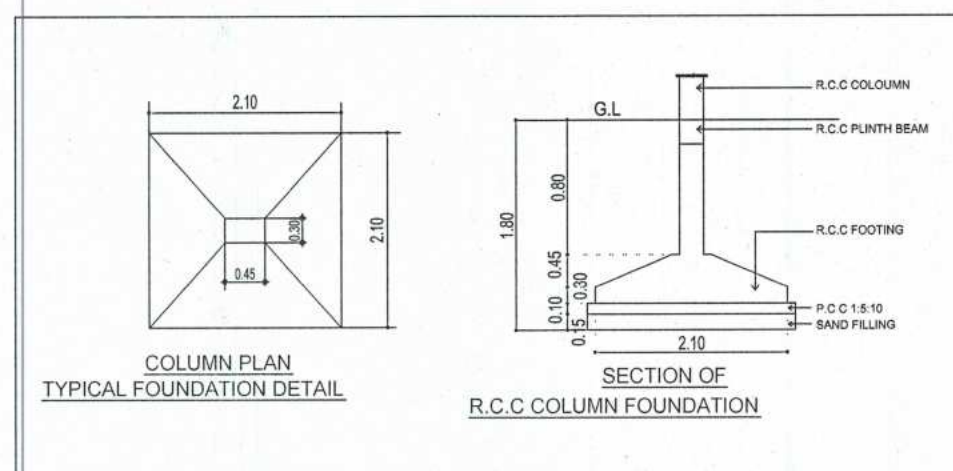
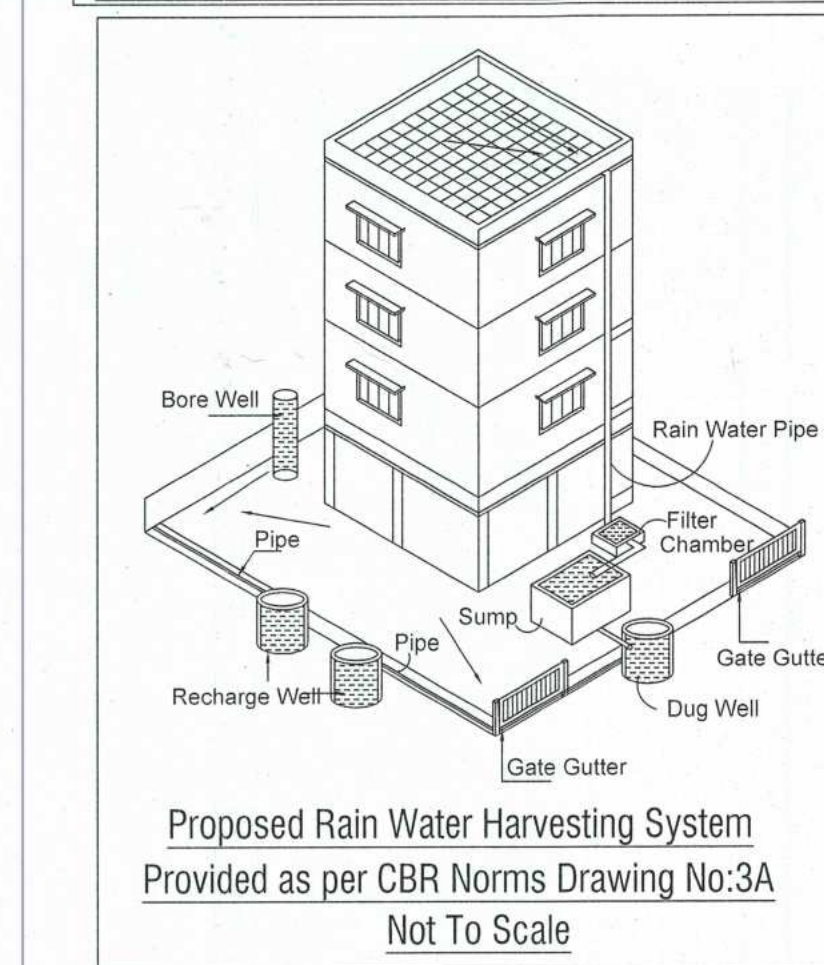
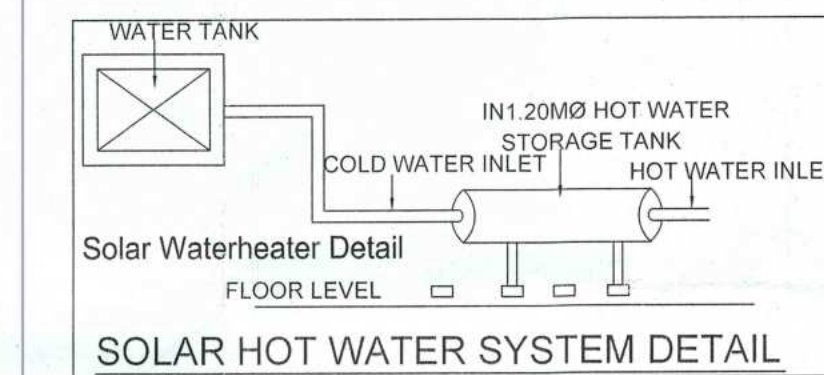
SECTION - AA



DESIGN OF SEPTIC TANK WITH UPFLOW FILTER
FOR 10 DWELLINGS :
NUMBER OF FLATS: 35 FLATS
ASSUMING 4 PERSONS FOR FLATS : 35 X 4 = 140 NOS.
NUMBER OF USERS ASSUMING 2 FIXTURES PER FLAT = 140 X 2 = 280 FU
PER HOUR DISCHARGE = 280 X 6 = 1680 LPM.

SEPTIC TANK
SURFACE AREA NEEDED = 1680 X 0.92/35 = 55.17 SAY 5.6 M
VOLUME OF SEDIMENTATION:
ASSUMING 0.30M DEPTH 5.6 X 0.3 = 1.68 SQ.M
FOR DIGESTION 56 X 0.032 = 1.795 SQ.M
FOR SLUDGE STORAGE = 0.0002 X 365 X 56 = 4.08 SQ.M
FREE BOARD FOR SLUDGE = 2.5 X 0.3 = 0.75 SQ.M
DEPTH = VOLUME / VOLUME = 3.5/2 = 1.75M
SIZE OF SEPTIC TANK 6.2 X 2.0 X 1.75
UP FLOW FILTER:
LIQUID DEPTH OF SEPTIC TANK = 2.0M
UP FLOW FILTER DEPTH
ALLOWING 0.30M FREE BOARD 2.0 - 0.3 = 1.7M

AREA NEEDED = 1.7 / 1.7 = 1.0M
SIZE OF UP FLOW FILTER: 1.50 X 1.50
UP FLOW FILTER NO.1 = 1.0 X 1.5 X 1.6M
UP FLOW FILTER NO.2 = 1.0 X 1.5 X 1.6M



CONSTRUCTION ENGINEER

K. MUNUSWAMY, B.E.
Registered Construction Engineer
No. RCE/2019/05/003
No. 322, South Street, Perumalpet Village,
Vadakkumbadi Post,
Chengalpattu District - 605 104
Ph: 94454 28924

GEO-TECH ENGINEER

S. SOUNDRAPANDIAN, M.E., P.E.
Registered Engineer No. RCE/2019/05/003
No. 322, South Street, Perumalpet Village,
Vadakkumbadi Post,
Chengalpattu District - 605 104
Ph: 94454 28924

LICENSED SURVEYOR

J. S. SUNDARARAJAN, S. SUNDARARAJAN, S. SUNDARARAJAN
Registered Surveyor No. RS/2019/05/003
No. 4, 1st Bahadur Shastri Street,
Sholinganallur, Chennai - 600 115,
Mobile: 9840115495

SHEET NO: 001

JOB TITLE
PLAN SHOWING THE PROPOSED
CONSTRUCTION OF STILT + 5
FLOORS (HEIGHT - 17.40m)
RESIDENTIAL BUILDING WITH 35nos
DWELLING UNITS AT PLOT NO: 21,
S.NO: 615/3C, THENPATTINAM,
MUGAIYUR VILLAGE, CHEYYUR
TALUK, CHENGALPET DISTRICT.

DESCRIPTION	FSI AREA	NON FSI AREA	TOTAL BUILT UP AREA
STILT FLOOR	87.98	652.02	740.00
FIRST FLOOR AREA	646.90	-	646.90
SECOND FLOOR AREA	646.90	-	646.90
THIRD FLOOR AREA	646.90	-	646.90
FOURTH FLOOR AREA	646.90	-	646.90
FIFTH FLOOR AREA	646.90	-	646.90
TERRACE FLOOR AREA	9.68	-	9.68
HEAD ROOM	-	28.52	28.52
TOTAL	3332.16	680.54	4012.70
F.S.I.	2.98 %	-	-
NO.OF DWELLINGS	35 nos	-	-

CAR PARKING CALCULATIONS	REQUIRED	PROVIDED
CAR PARKING	8 nos	14 nos
PC CAR PARKING	2 nos	2 nos
VISITORS CAR PARKING	2 nos	5 nos
TOTAL CAR PARKING	12 nos	21 nos

TWO WHEELER PARKING CALCULATIONS	REQUIRED	PROVIDED
TWO WHEELER PARKING	35 nos	35 nos
PC TWO WHEELER PARKING	2 nos	2 nos
VISITORS TWO WHEELER PARKING	3 nos	3 nos
TOTAL TWO WHEELER PARKING	40 nos	40 nos

TYPE	DESCRIPTION	SIZE
RS	ROLLING SHUTTER	3.00 x 2.10
ED	ENTRANCE DOOR	1.20 x 2.10
DD	DOUBLE DOOR	1.80 x 2.10
D	DOOR	1.10 x 2.10
D1	DOOR	1.00 x 2.10
D2	DOOR	0.75 x 2.10
W	WINDOW	3.35 x 2.00
W1	WINDOW	1.22 x 2.00
W2	WINDOW	1.00 x 2.00
V	VENTILATOR	2.00 x 0.90
V1	VENTILATOR	0.90 x 0.90
V2	VENTILATOR	0.60 x 0.90



COLOUR INDICATION
PROPOSED BUILDING
PLOT BOUNDARY
ACCESS ROAD

DRAWING TITLE
SITE PLAN, FLOOR PLANS,
ELEVATION & SECTION

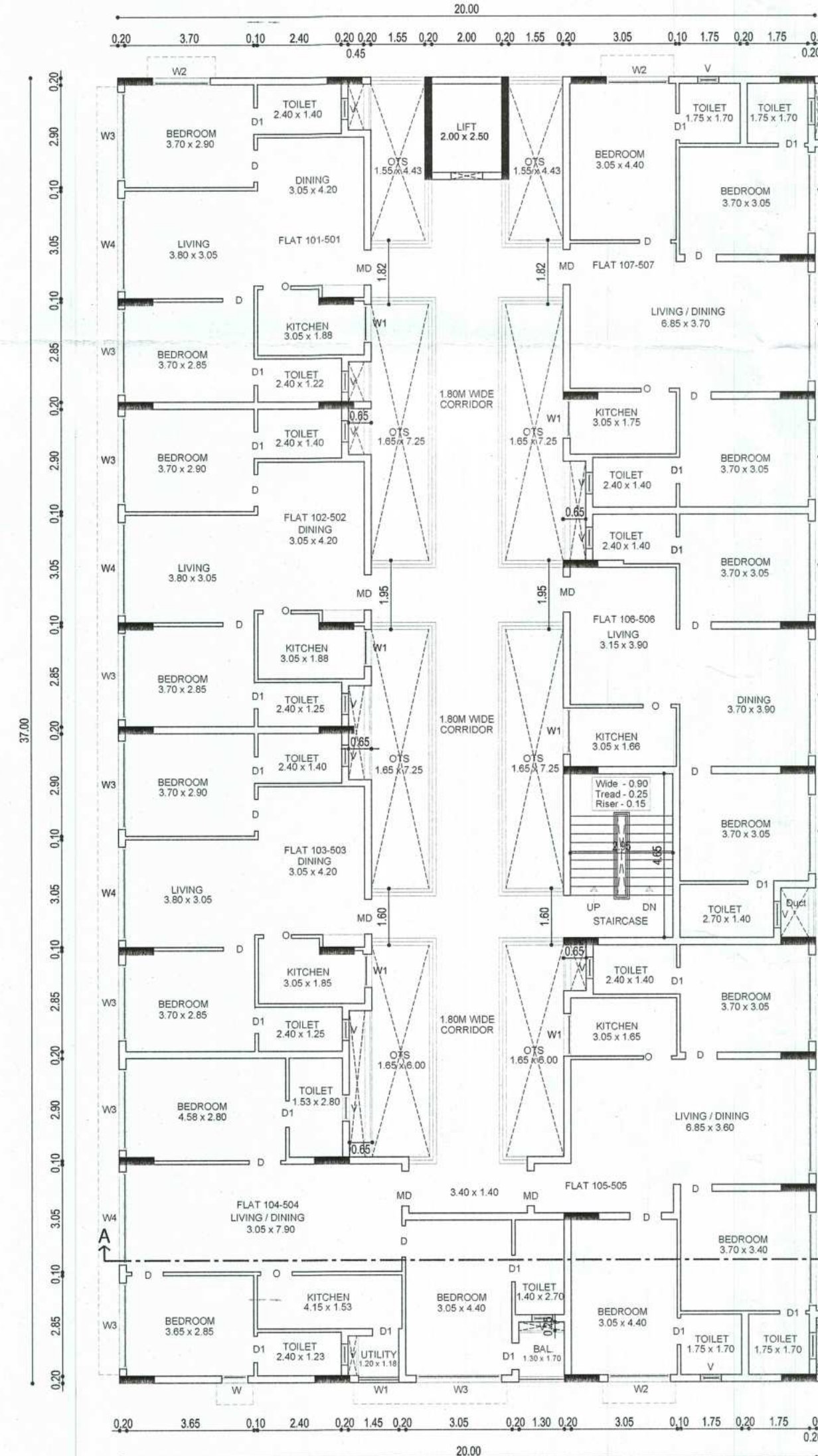
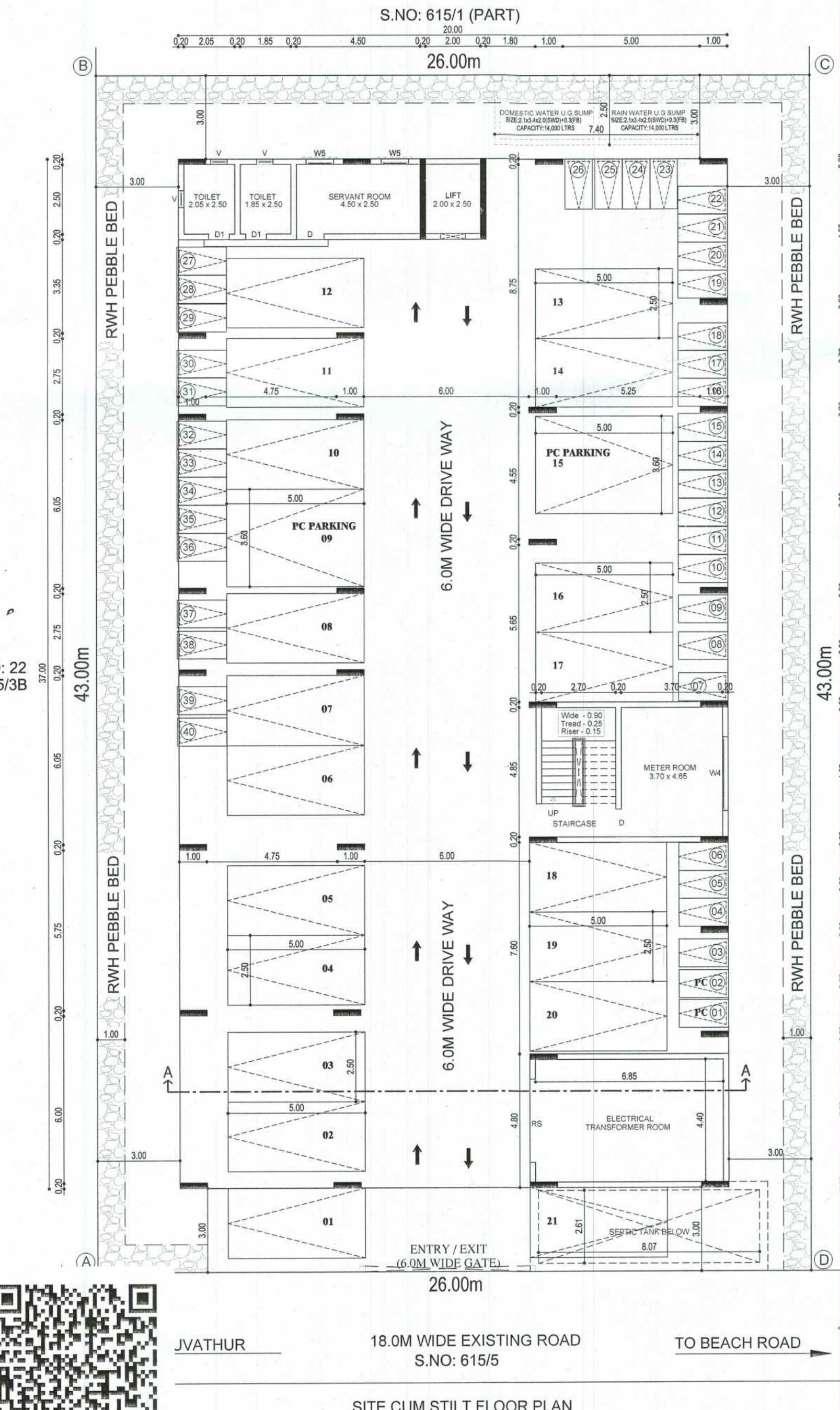
SCALE
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OWNER'S SIGNATURE
For AD REALTY

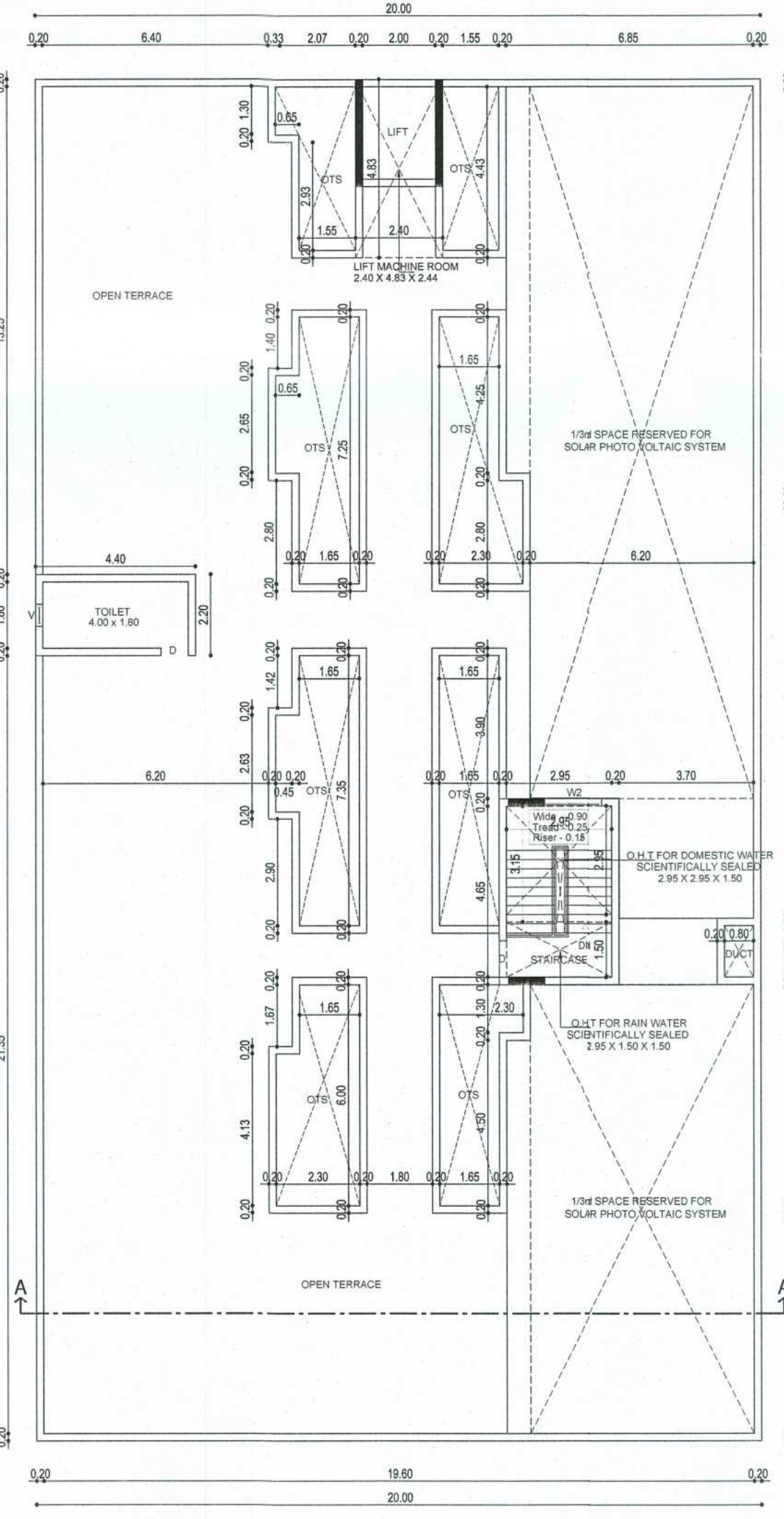
Partner

STRUCTURAL ENGINEER

S. SOUNDRAPANDIAN, M.E., P.E.
Registered Engineer No. RCE/2019/05/003
SE Grade-I (B) (Rajya Nagarajapuram-12015/06/15)
36, Suppa Colony, Guindy, Ch-32, 9952046424



TYPICAL FLOOR PLAN
(FIRST, SECOND, THIRD, FOURTH & FIFTH)



TERRACE FLOOR PLAN

TAMILNADU STATE SINGLE WINDOW PORTAL
ONLINE APPLICATION NO: SWP/BPA/0593798/2025
SCRUTINY REFERENCE NO: 2TEZIR90
SWP/RESIDENTIAL APARTMENT BUILDING/A.D.D.T.C.P.(CD3) NO: 98/2025



Signature Not
Verified