

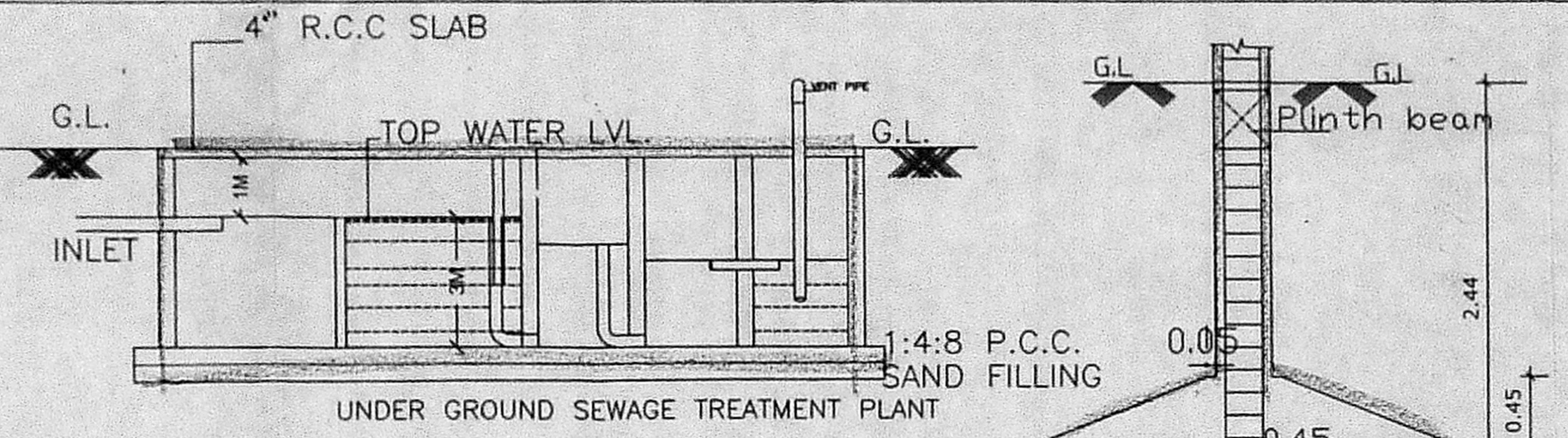
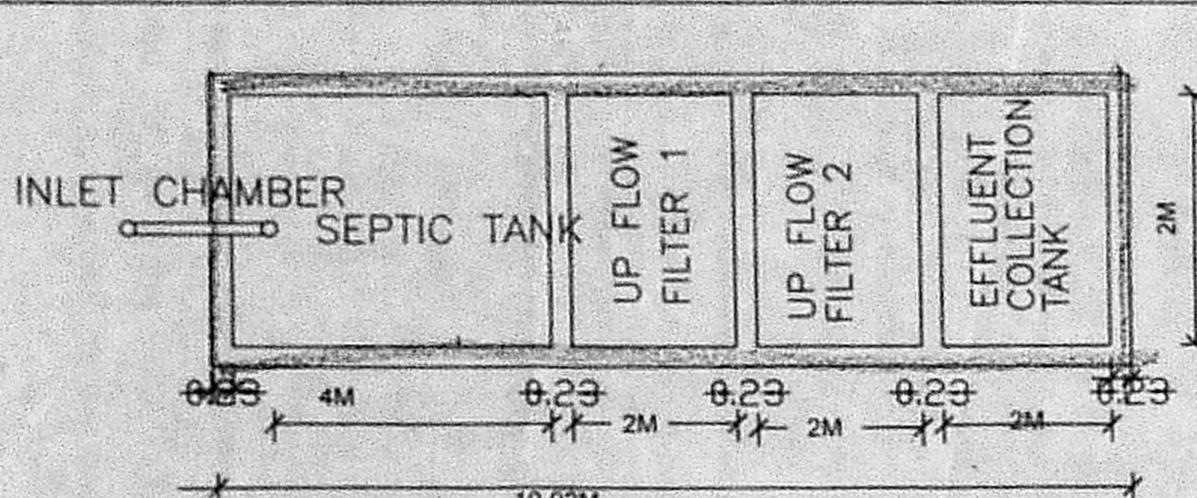
PLAN SHOWING THE PROPOSED CONSTRUCTION OF COMMERCIAL BUILDING AT RAJIV GANDHI SALAI (OMR) KOTTIVAKKAM CHENNAI S.NO.284/4A, AS PER DOCUMENT (S.NO.284/24A AS PER PATTA) KOTTIVAKKAM VILLAGE, SHOLINGANALLUR TALUK.

GREATER CHENNAI CORPORATION DIVISION NO-183, ZONE-14.

சென்னை மாநகராட்சி (சி) எண்	எண்
ந. எண்	பி. 11132/13
பெயர்	சுபா நதாயவு
ROAD	சுபா நதாயவு
BOUNDARY	112-13
உ.தி.அ.	து.தி.அ.

C. Janaki
 OWNER

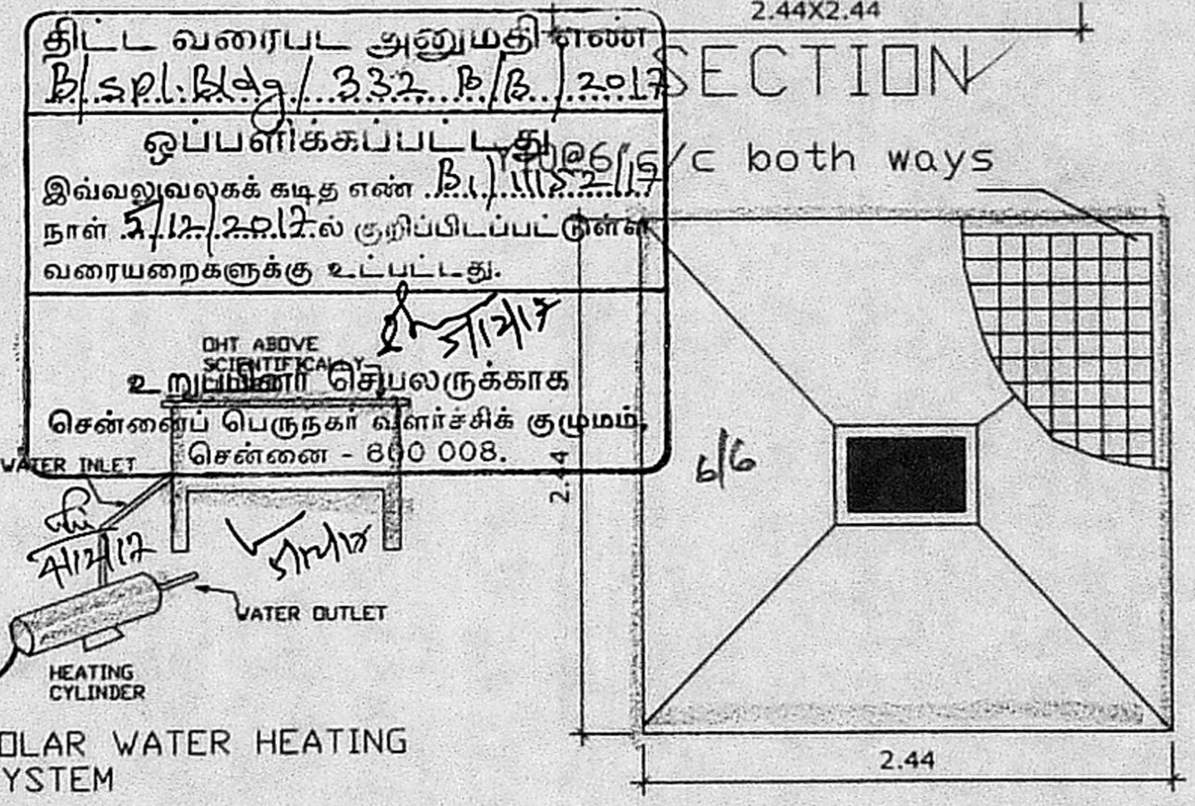
H. K. S.
 KARTHIK .H
 CA/2009/44439
 No.6/ F. 11 38, DEVADAYA APTS.
 GANDHI NAGAR 1ST MAIN ROAD,
 ADYAR, CHENNAI - 600 020.
 LICENSED SURVEYOR



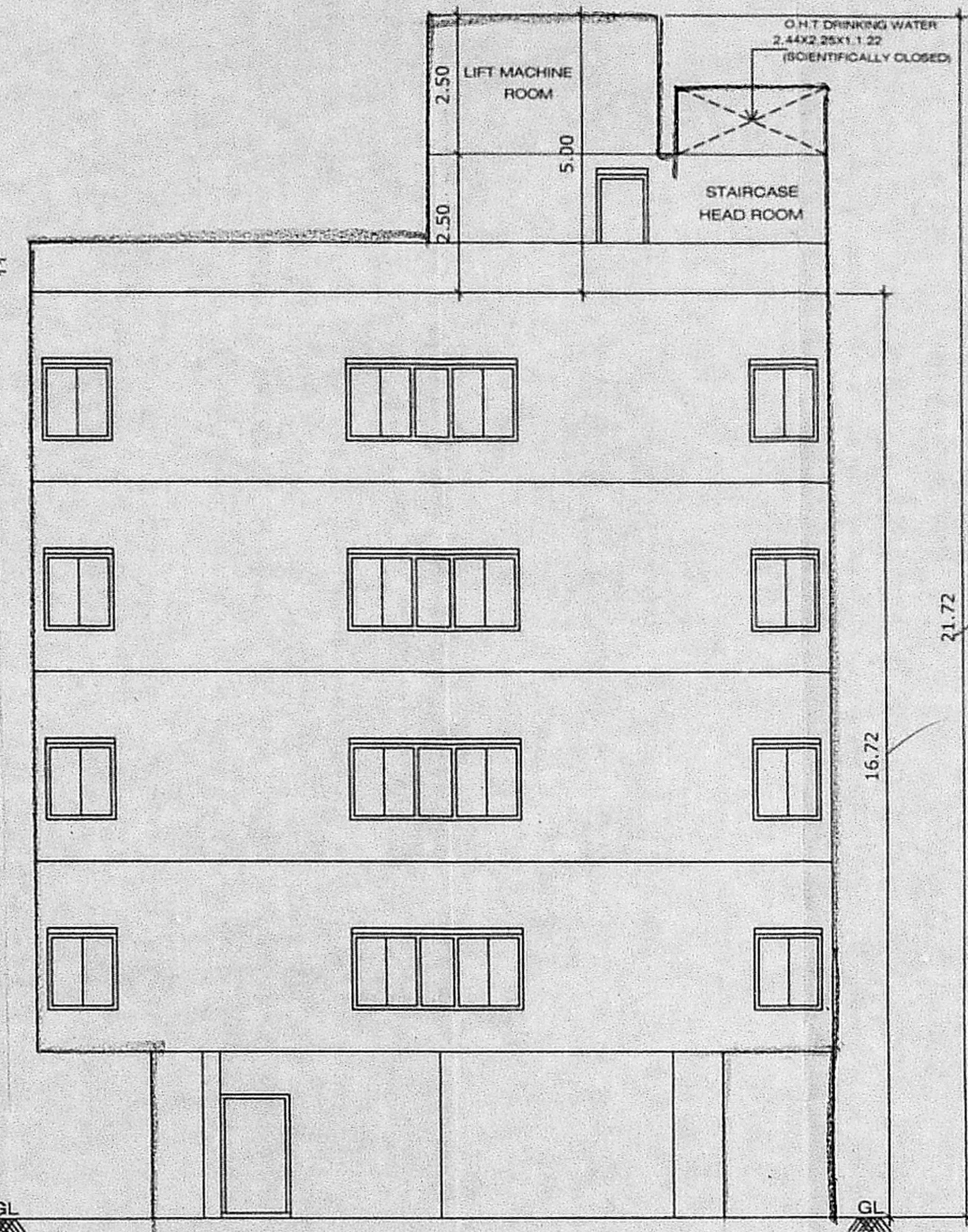
DESIGN OF SEPTIC TANK & UP FLOW FILTERS
 SCALE : N.T.S.

DESIGN OF SEPTIC TANK & UP FLOW FILTERS

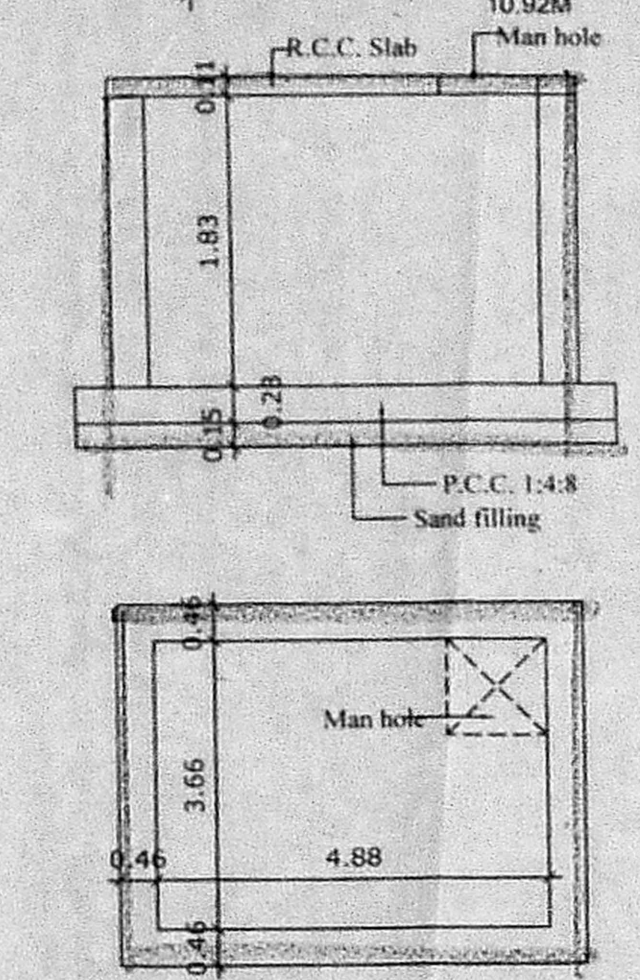
NO. OF DWELLING UNIT (2100/50 = 42)	= 42 FLATS
NO. OF USERS (42 X 5)	= 210
RATE OF WATER SUPPLY IS	= 150LPH/DAY
THEN FLOW OF SEWAGE PER DAY	= 210X 150=31500 LITRES
DETENTION PERIOD IS	= 18 HRS
TANK CAPACITY	= 31500X18/24=23625 LITRES
THE TANK IS TO BE CLEANED EVERY YEAR SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LITRES FOR PERSON PER YEAR	= 210X15=3150 LITRES
TOTAL TANK CAPACITY	= 23625+3150 =26775 LITRES
ASSUMING SEPTIC TANK CAPACITY IS 20,000 LITRES	= 27CU.M.
DEPTH OF LIQUID IS	= 2M
PLAN AREA OF THE TANK	= 27/2=13.5 SQ.M
SIZE OF THE TANK	= 2MX4M
WIDTH OF TANK	= 2.0M
LENGTH OF TANK	= 4M
PROVIDE SEPTIC TANK SIZE	= 2MX4MX2M
UP FLOW FILTERS CAPACITY FOR 210 USERS	= 210 X .045 = 9.45 CU.M.
DEPTH	= 1.0M
HENCE AREA OF FINAL EFFLUENT SUMP	= 6.3 = 6.3 SQ.M.
SIZE OF UPFLOW FILTER NO:1	= 2.0MX2.0MX1.0M
SIZE OF UPFLOW FILTER NO:2	= 2.0MX2.0MX1.0M
SIZE OF FINAL EFFLUENT SUMP	= 2.0MX2.0MX1.0M



SOLAR WATER HEATING SYSTEM

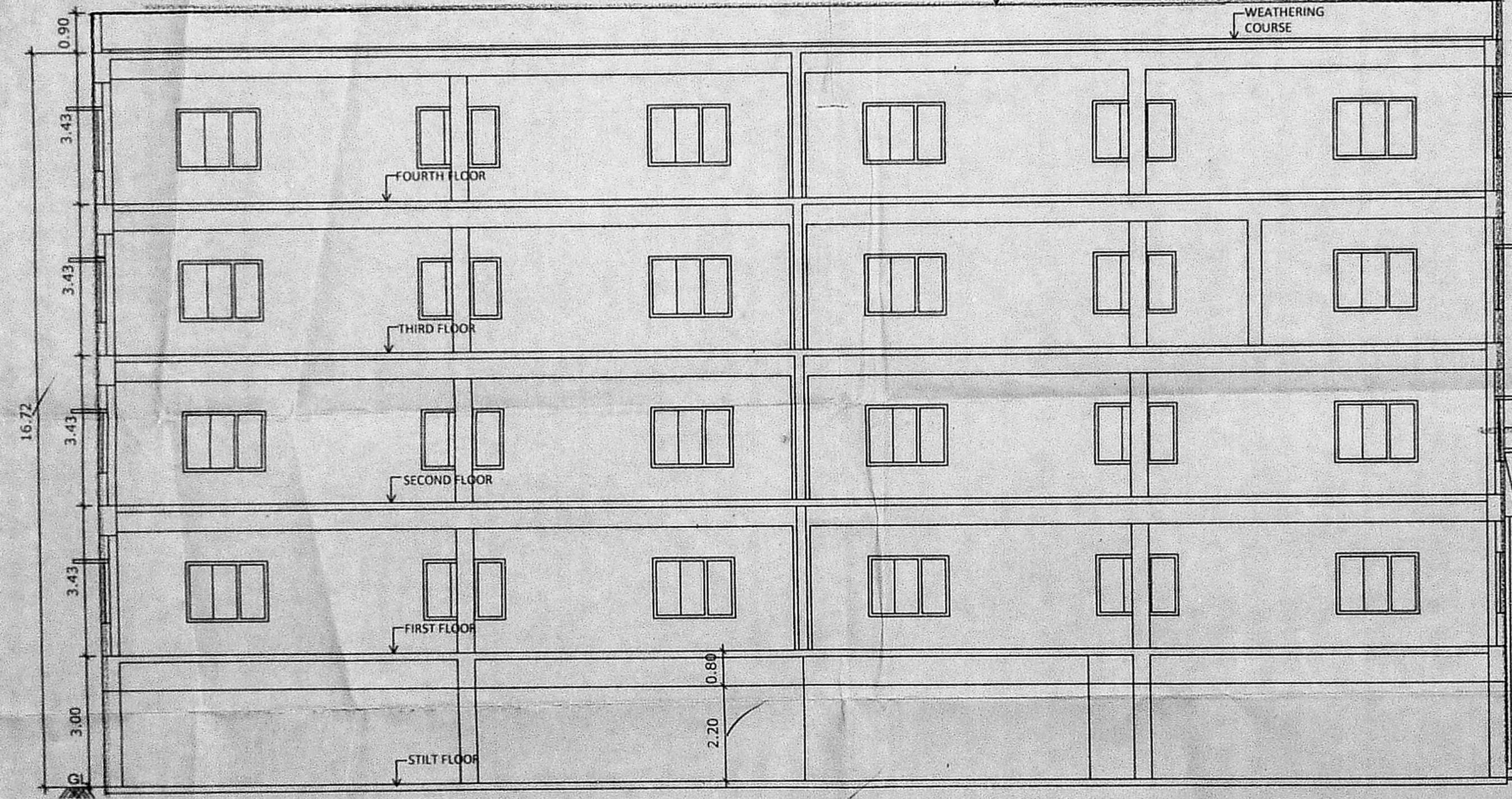


FRONT ELEVATION

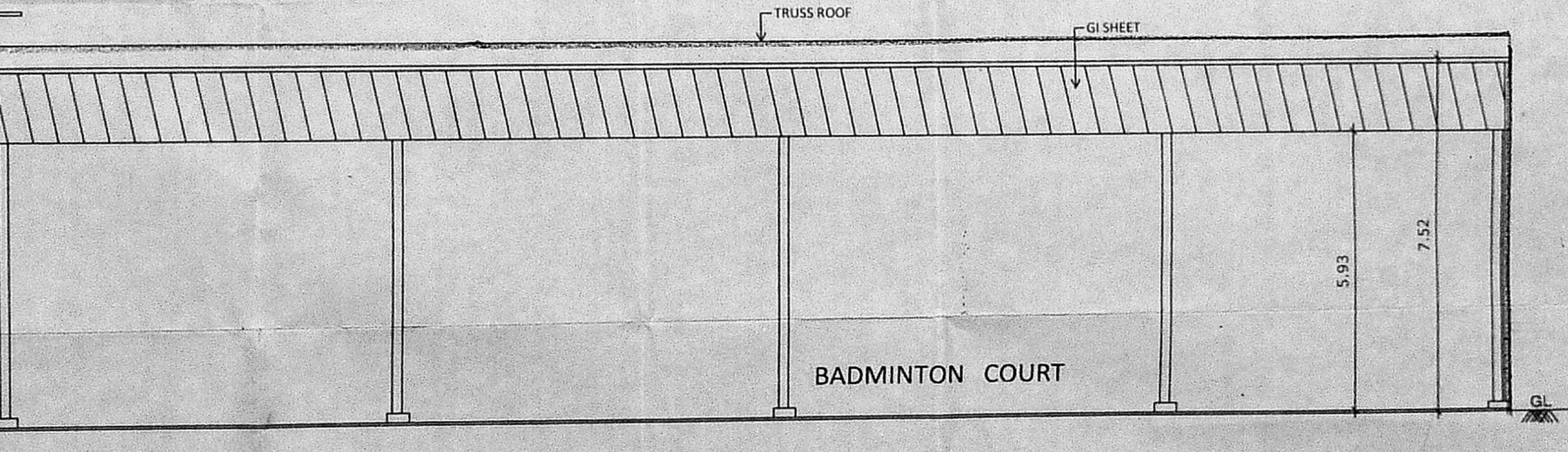


TYPICAL SUMP DETAILS

(U.G SUMP, RAIN & SULLAGE WATER)



SECTION A-A



BADMINTON COURT