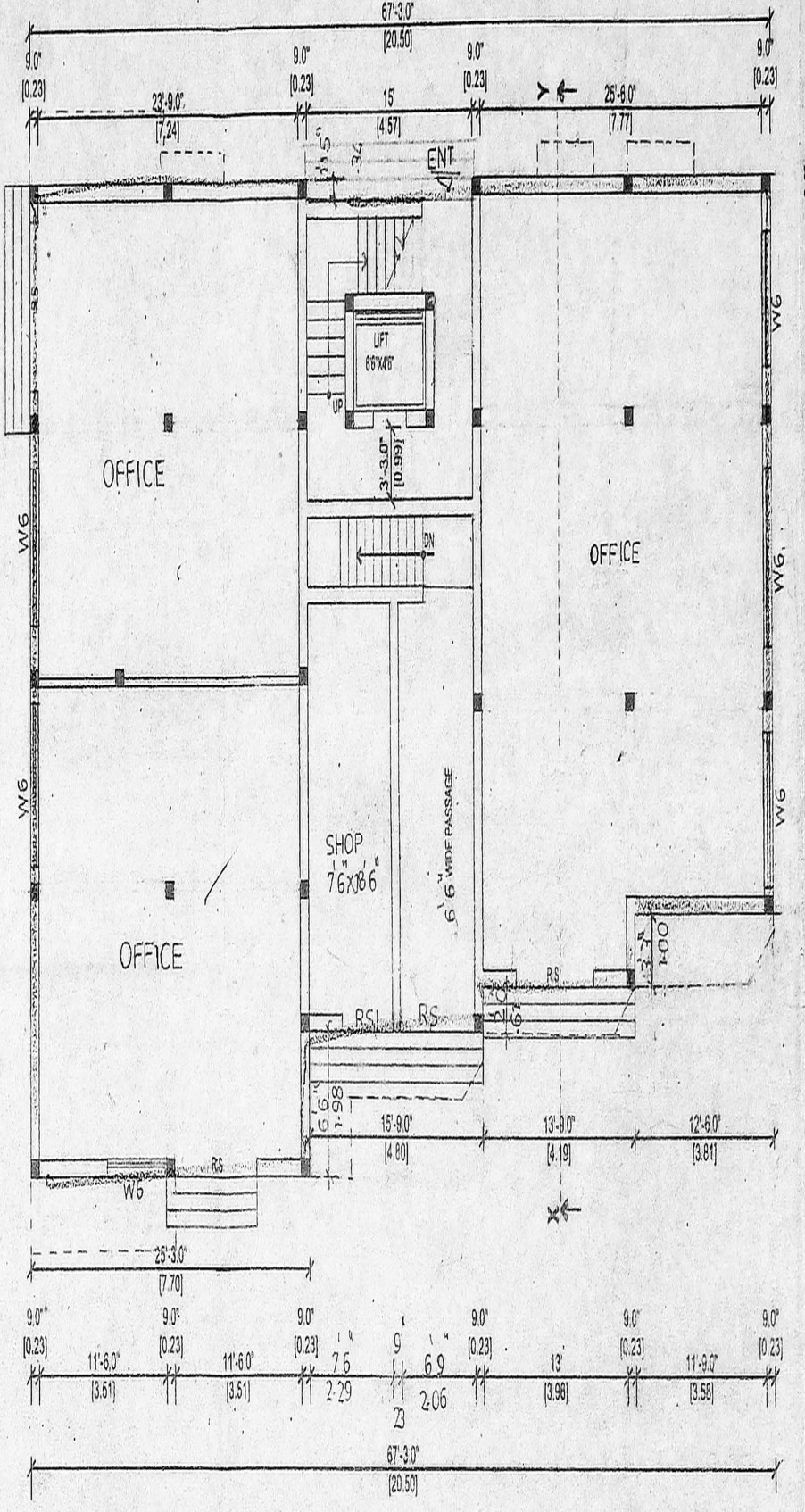
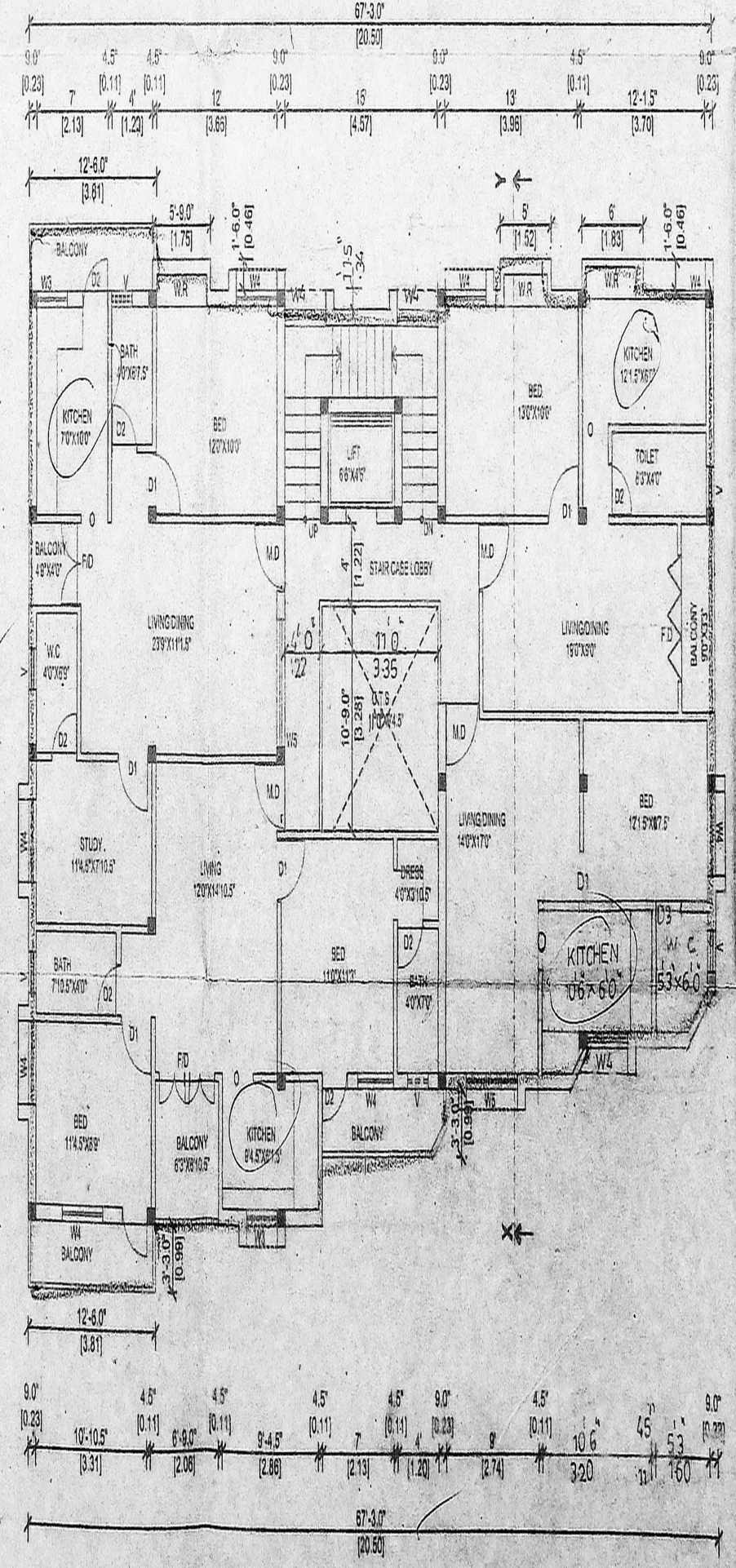


APPROVED
SUBJECT TO THE
TERMS AND CONDITIONS
No. 405/10/3
FOR MUNICIPAL SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI-600 008



GROUND FLOOR PLAN



TYPICAL FLOOR PLAN (1st, 2nd & 3rd)

R5 - ROLLING SHUTTER	6'9" x 9'0"
D1 - DOOR	3'3" x 7'0" - 0.99X2.13
D2 - DOOR	3'0" x 7'0" - 0.91X2.13
D3 - DOOR	2'6" x 7'0" - 0.76X2.13
W6 - DOOR	6'0" x 4'0" - 1.82X1.22
W5 - WINDOW	5'0" x 4'0" - 1.52X1.22
W4 - WINDOW	4'0" x 4'0" - 1.22X1.22
W3 - WINDOW	3'0" x 3'8" - 0.91X1.08
V - VENTILATOR	2'0" x 2'6" - 0.60X0.76
1/2" -	4'0" x 3'0" - 1.22X0.91

AREA STATEMENT

TOTAL PLOT AREA	
AS PER PATTA	9884.0 SQ.FT. 900.00 SQ.M
AS PER SITE	9498.58 SQ.FT. 882.77 SQ.M
BASEMENT FLOOR AREA	2643.32 sq.ft 245.66 sq.m
GROUND FLOOR AREA	2636.45 sq.ft 244.09 sq.m
FIRST FLOOR AREA	2763.63 sq.ft 254.97 sq.m
SECOND FLOOR AREA	2743.53 sq.ft 254.97 sq.m
THIRD FLOOR AREA	2743.53 sq.ft 254.97 sq.m
TOTAL FLOOR AREA	13500.36 sq.ft 1254.66 sq.m

COVERGE 30.31%

F.S.I 1.42

COLOUR INDEX

PROPOSED	<input checked="" type="checkbox"/>
BOUNDARY	<input checked="" type="checkbox"/>
ROAD	<input checked="" type="checkbox"/>

REFERENCE

SCALE	= 1" = 80' (1:100)
DATE	= 12.10.2003
DRAWN	= Ramesh/Harisma
File Name	= Sys3/E/Ram/Avadi (1.c)
CHECKED	=

PROJECT TITLE

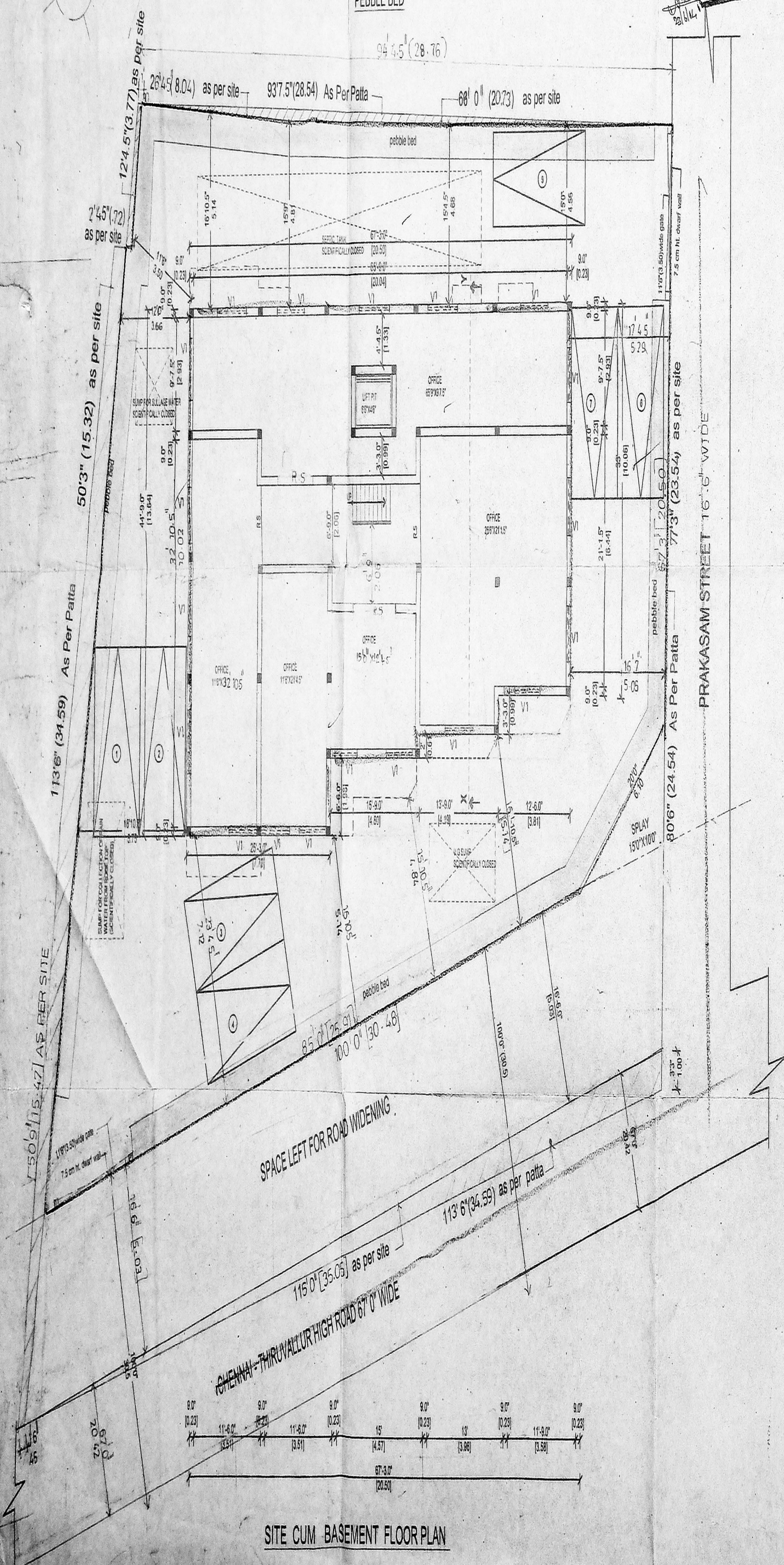
PLAN SHOWING THE PROPOSED
RESIDENTIAL CUM COMMERCIAL BUILDING

IN S.NO: 41/2B4, 42/1B1B (7),
41/2B5&42/1B1B (8), C.T.H ROAD,
PARUTHIPATTU VILLAGE POONAMALLE TALUK
AVADI MUNICIPALITY, CHENNAI- 54

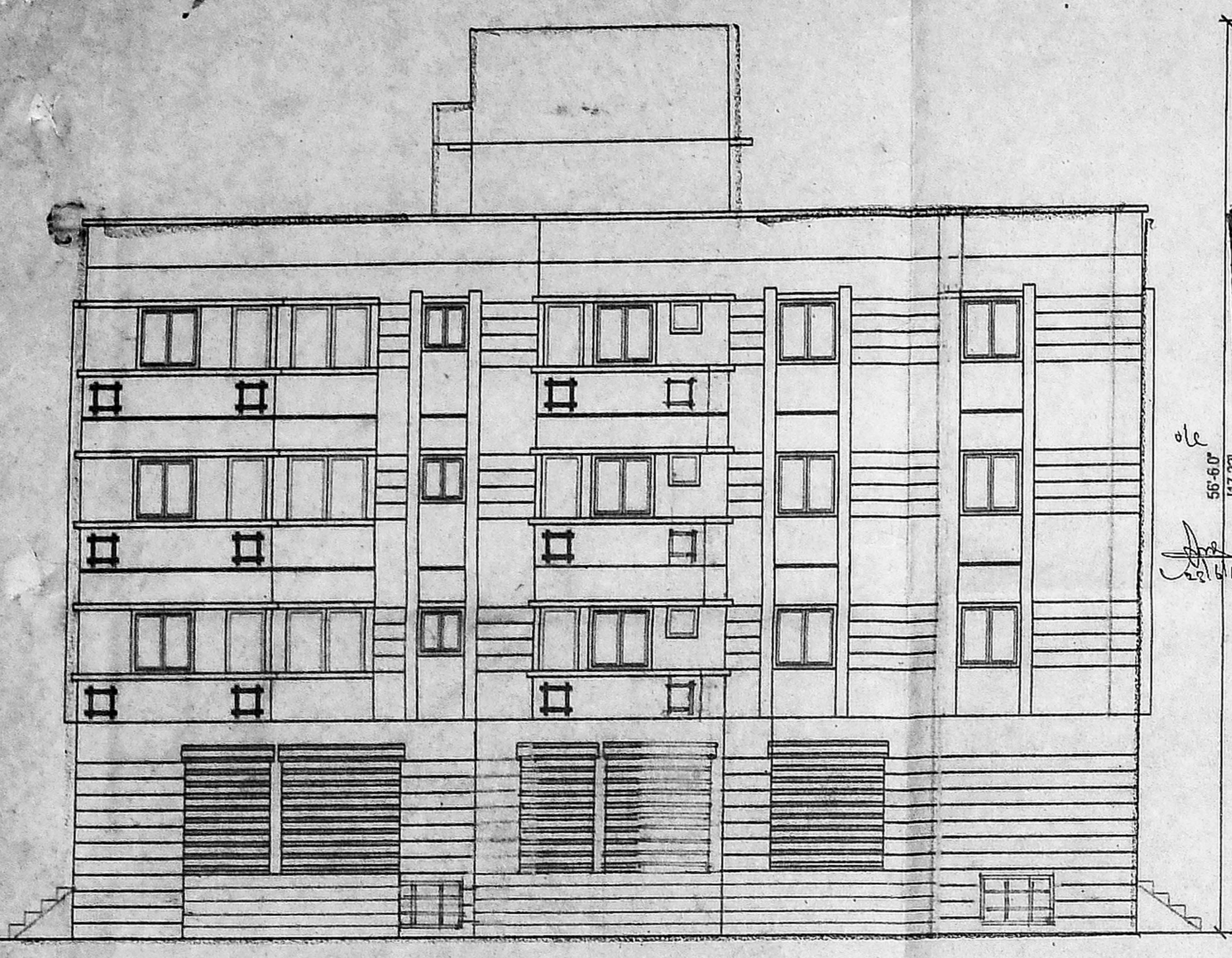
OWNER

Signature
A. KARTHIKEYAN, M.E.
Consulting Civil Engineer
Structural & Geotech. Designer
Licensed Surveyor Class-1
Reg. No. 572-2003
108 (A-46), 3rd Avenue
Anna Nagar, Chennai-102
Phone: 26282982

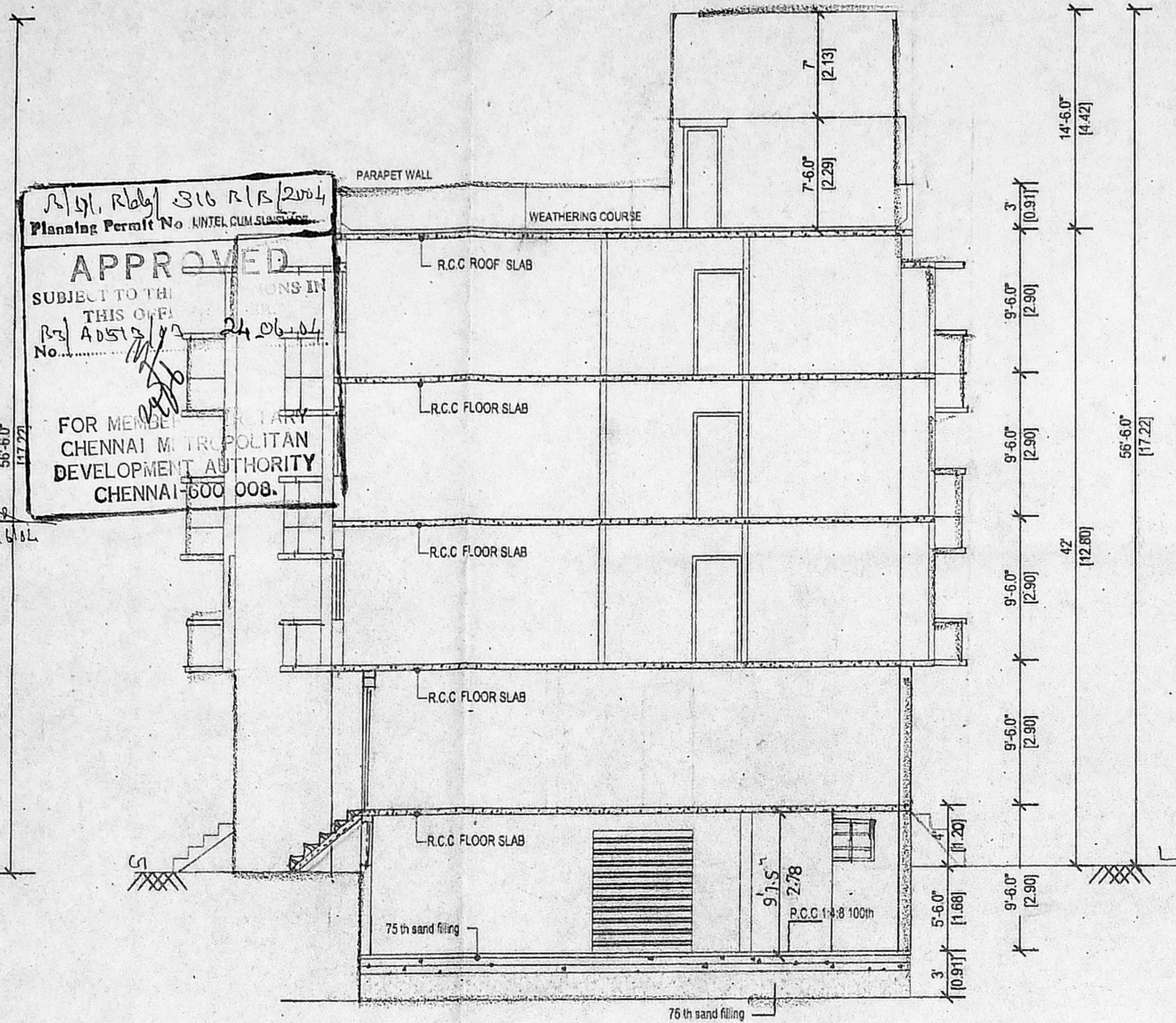
LICENSED SURVEYOR



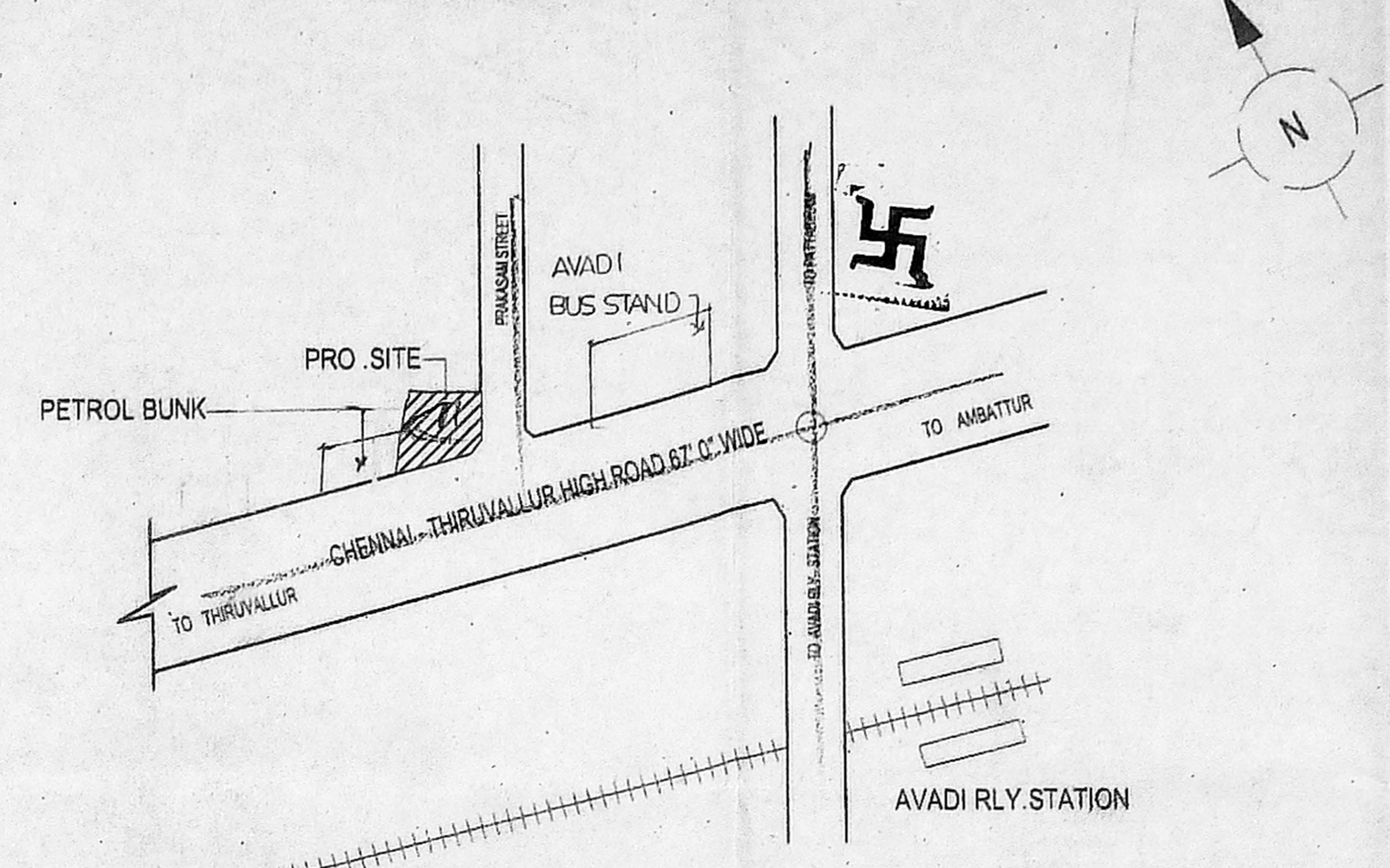
SITE CUM BASEMENT FLOOR PLAN



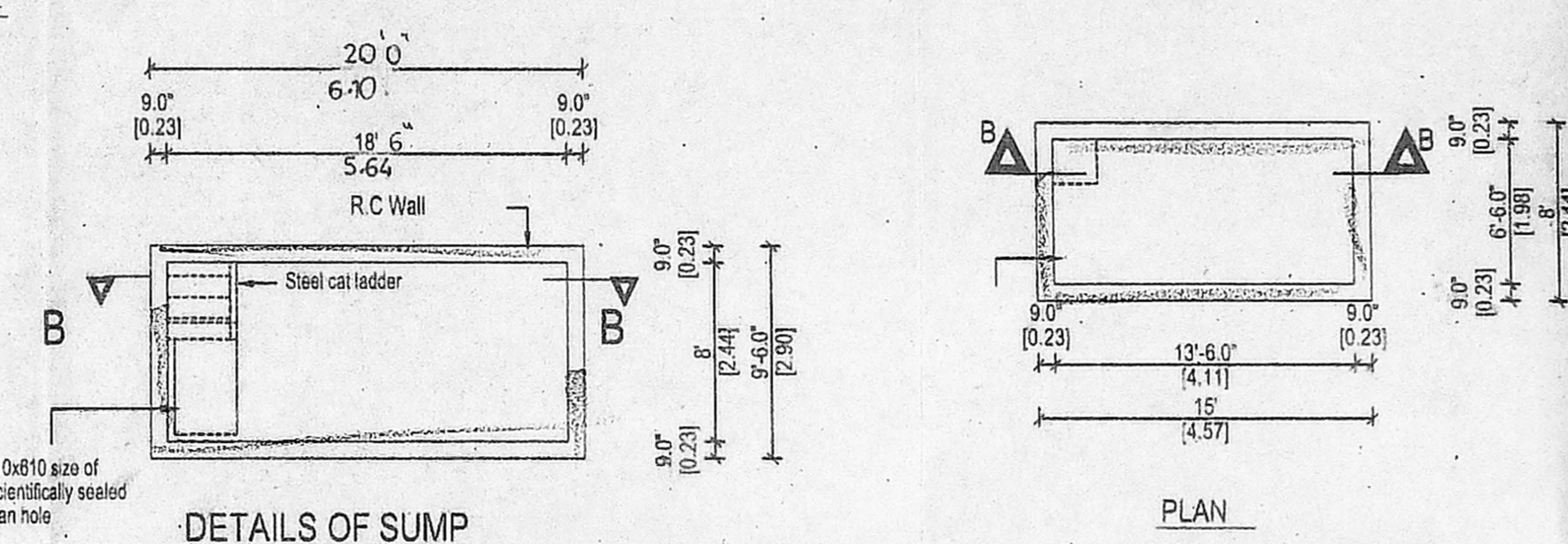
ELEVATION



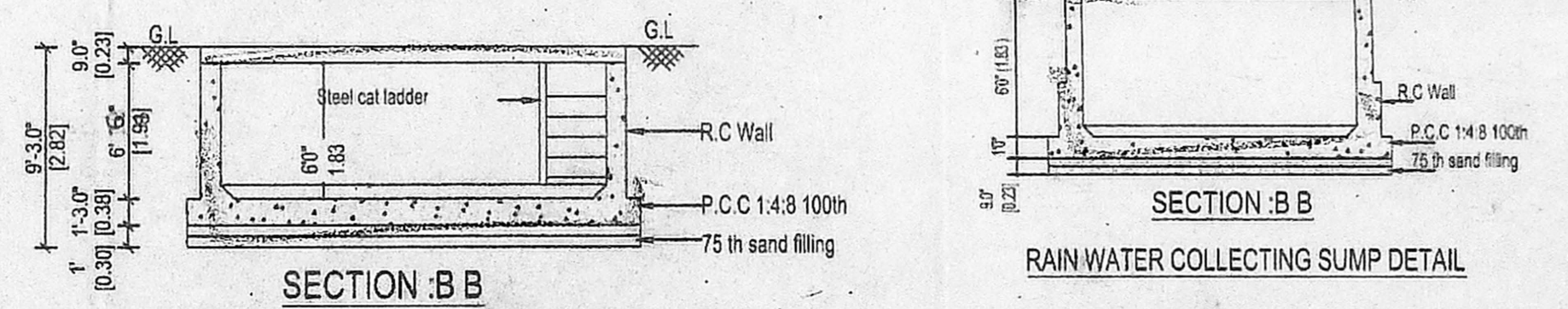
SECTION ON : X - Y"



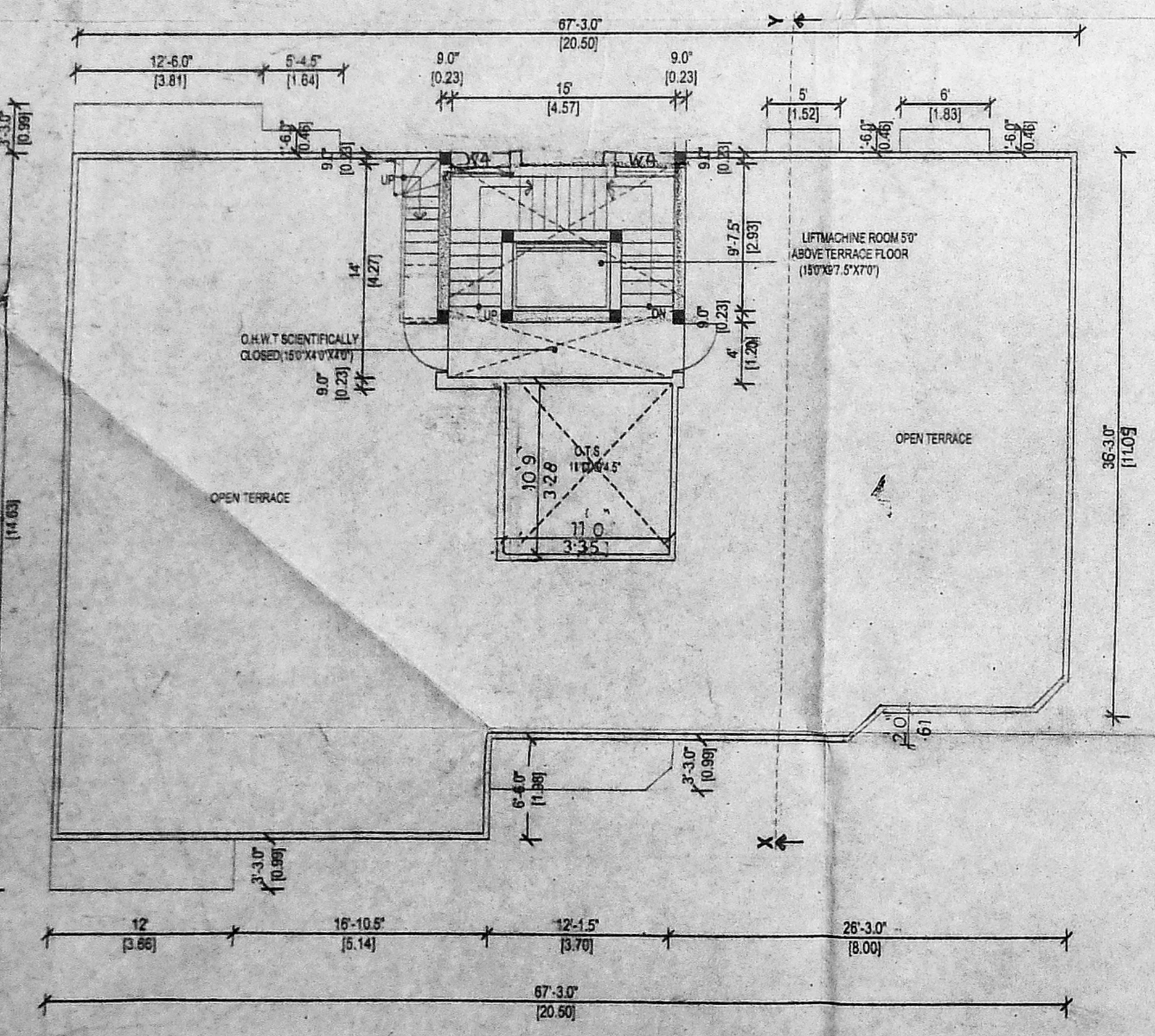
KEY PLAN (N.T.S)



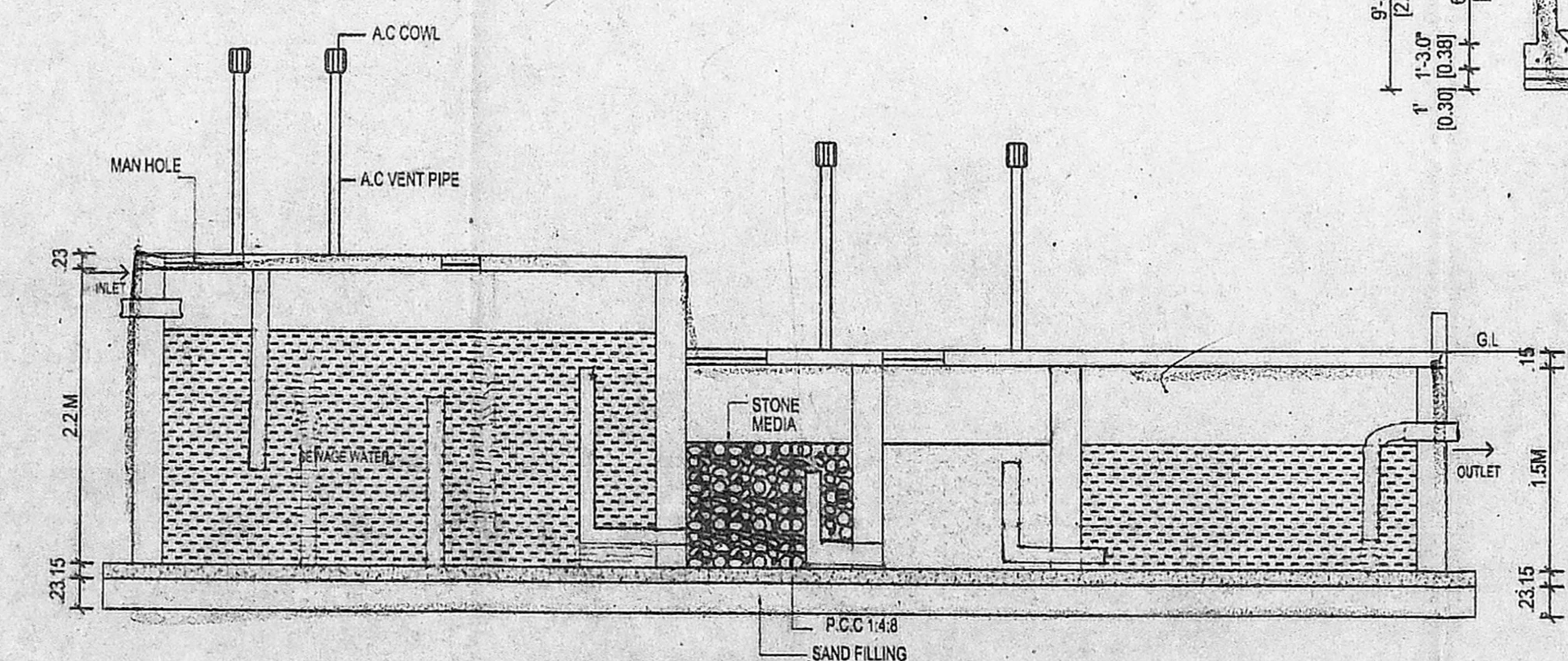
DETAILS OF SUMP



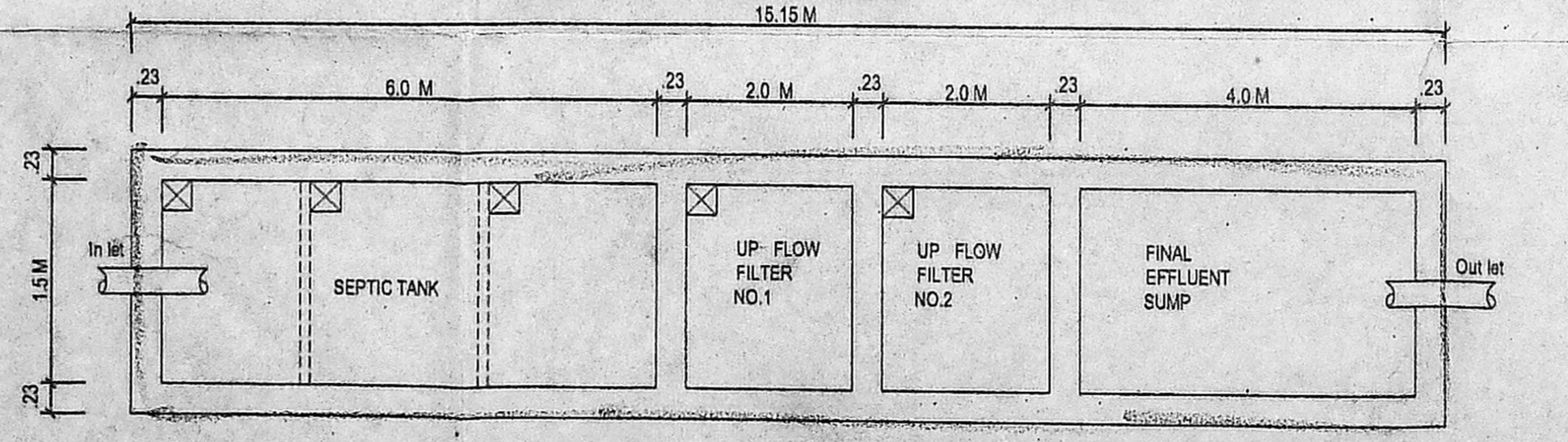
RAIN WATER COLLECTING SUMP DETAIL



TERRACE FLOOR PLAN



SECTION



PLAN

DETAIL OF SEPTIC TANK WITH UP FLOW FILTERS

DESIGN OF SEPTIC TANK WITH TWO UPFLOW FILTERS:

NO. OF DWELLINGS	=27
NO. OF USERS	=27x5 = 135 PERSONS
RATE OF WATER SUPPLY	=150 LPH/DAY
THEN FLOW OF SEWAGE PER DAY	=135x150 = 20250 LTS
DETENTION PERIOD IS	18 HRS
TANK CAPACITY	20250x18/24 = 15187.5 LTS
THE TANK IS TO BE CLEANED EVERY YEAR	
SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LTS PER PERSON PER YEAR	
WITH PROVISION FOR FUTURE EXPANSION	
LET THE TOTAL TANK CAPACITY	
BE 8235 LTS (or) 8.5 M ³	
SEPTIC TANK HAVING A CAPACITY OF	=16 M ³
DEPTH OF LIQUID AS	=2.0M
PLAN AREA OF THE TANK 16/2	=8 M ²
THE RATIO OF LENGTH TO WIDTH OF TANK TO BE	=3
LENGTH x BREADTH x 3	=8 M ²
BREADTH OF TANK	=2 M
LENGTH OF TANK = 2 x 4	=8.0 M
FREE BOARD OF THE TANK	=0.2M
TOTAL DEPTH OF THE TANK (2+0.2)	=2.2M
DISCHARGE FOR 135 PERSONS	=20250 LTS
VOLUME 135x0.45	=6.5M ³
DEPTH 1.5 - 0.30	=1.2M
PLAN AREA REQUIRED 6.5/1.2	=5.50 M ²
SIZE OF FINAL EFFLUENT SUMP	=1.5 x 0.4 x 1.5
UPFLOW FILTER NO 1	=1.5 x 2.0 x 1.5
UPFLOW FILTER NO 2	=1.5 x 2.0 x 1.5

D1 - DOOR	3'3"x7'0"	-0.99X2.13
D2 - DOOR	3'0"x7'0"	-0.91X2.13
D3 - DOOR	2'6"x7'0"	-0.78X2.13
W6 - DOOR	6'0"x4'0"	-1.82X1.22
W5 - WINDOW	5'0"x4'0"	-1.52X1.22
W4 - WINDOW	4'0"x4'0"	-1.22X1.22
W3 - WINDOW	3'0"x3'6"	-0.91X1.06
V - VENTILATOR	2'0"x2'6"	-0.80X0.78

COLOUR INDEX	
PROPOSED	
BOUNDARY	
ROAD	
REFERENCE	

SCALE	= 1" = 80" (1 : 100)
DATE	= 12.10.2003
DRAWN	= Ramesh/Harismaa...
File Name	= Sys3/E/Rame/Avadi i.t.c/
CHECKED	=

PROJECT TITLE
PLAN SHOWING THE PROPOSED RESIDENTIAL CUM COIMMERCIAL BUILDING
 IN S.NO: 41/2B4, 42/1B1B (7), C.T.H ROAD
 41/2B5&42/1B1B (8), PARUTHIPATTU VILLAGE,
 POONAMALLE TALUK
 AVADI MUNICIPALITY, CHENNAI- 54

OWNER
Ramesh Harismaa
 A. KARTHIKEYAN, M.E.,
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 Structural & Geotech. Designer
 Licensed Surveyor, O.E.S.S.
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 Anna Nagar, Chennai-102.
 Phone: 26262982
 LICENSED SURVEYOR