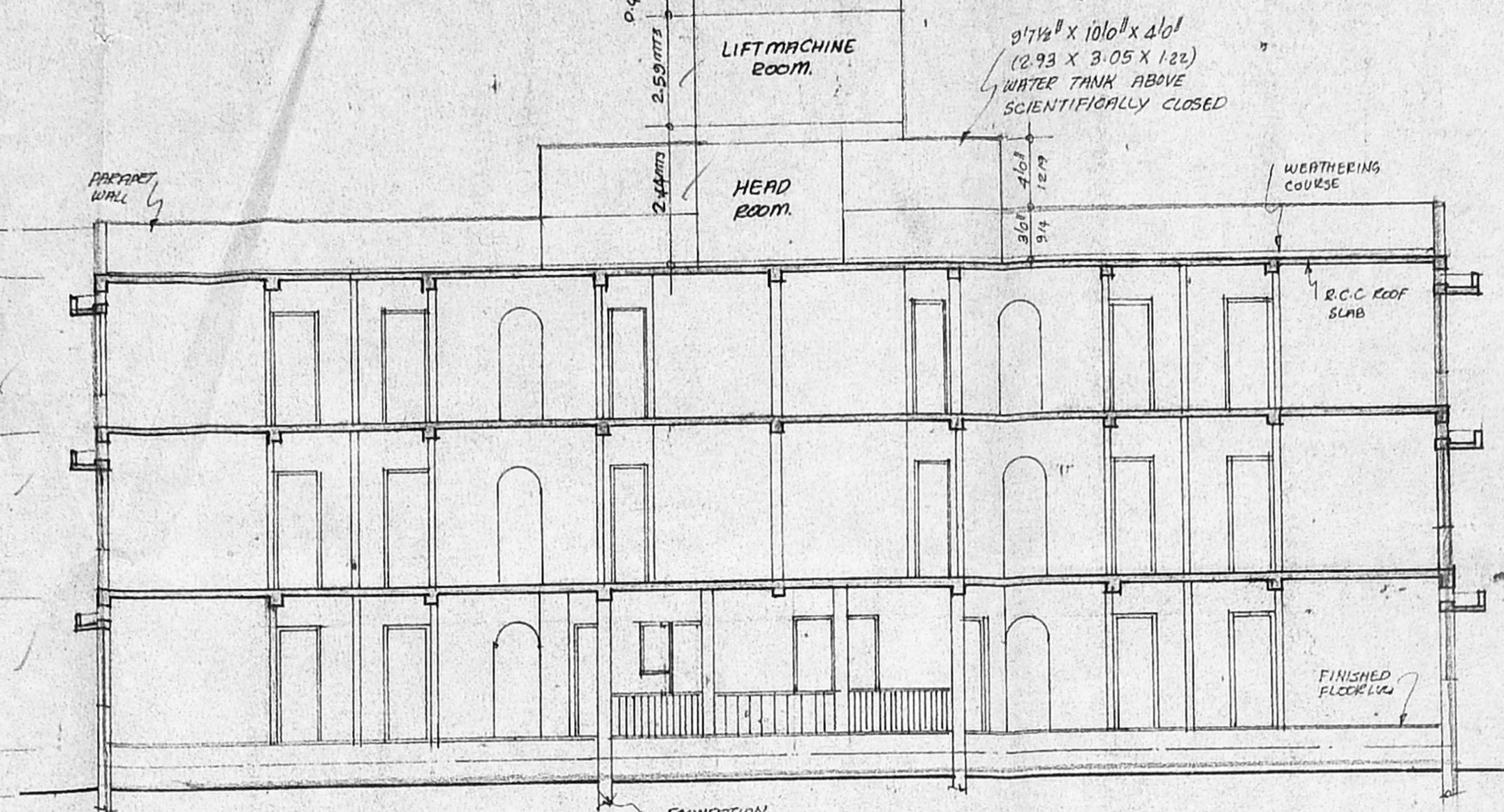
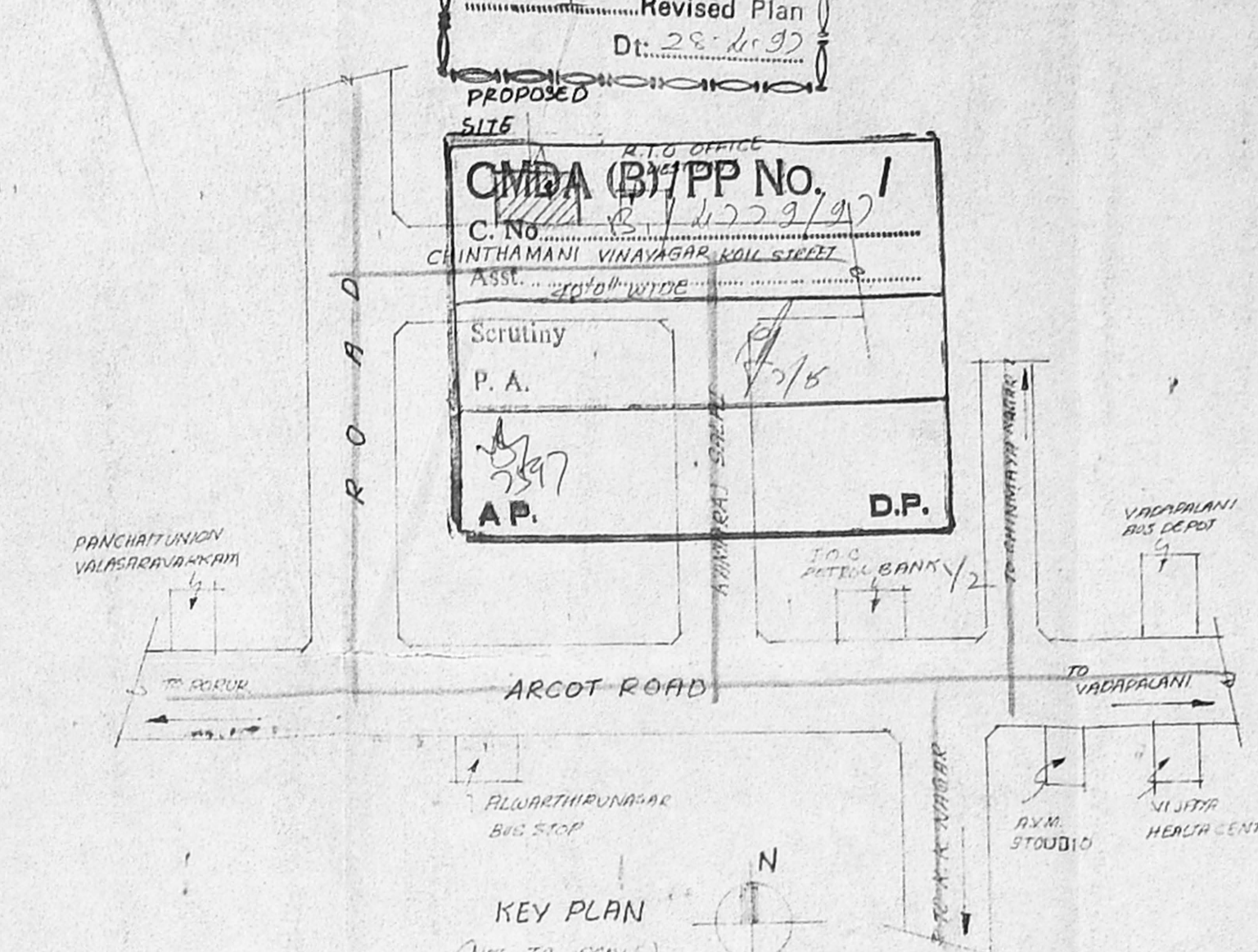


FRONT ELEVATION



SECTION - A - A



KEY PLAN

PLAN SHOWING THE RESIDENTIAL BUILDING AT PLOT NO. 41, 42 & 43 CHINTHAMANI VINAYAGAR KOIL STREET, OF S. NO. 116/2 NO. 84, VALASARAVAKKAM VILLAGE, SAIDAPET TALUK, CHENGAI M.G.R. DIST.

SPECIFICATION

FOUNDATION	COLUMN FOUNDATION
SUPER STRUCTURE	BRICK WORK IN CM 1:6
ROOFING	48" THK RCC SLAB 1:2:4 MIX
PLASTERING	INCA 1:5 MIX
WOOD WORK	TO MAIN DOOR ALL OTHER DOORS AND WINDOWS AND VENTILATOR TOPS ARE MADE BY 1 CLASS COUNTRY WOOD
WEATHERING COURSE	LAD IN TWO LAYERS WITH PRESSED TILE

SCHEDULE OF JOINERY

M.O.	MAIN DOOR	3'6" x 7'0"	7.0 X 2.10
D.	DOOR	3'0" x 7'0"	0.90 X 2.10
D.	DOOR	2'4" x 7'0"	0.74 X 2.10
W.	WINDOW	6'0" x 4'6"	1.83 X 1.37
W.	WINDOW	5'0" x 4'6"	1.52 X 1.37
W.	KITCHEN WINDOW	3'0" x 3'6"	1.22 X 1.06
W.	WINDOW	3'0" x 4'6"	0.91 X 1.37
A.O.	ARCH OPENING	2'6" x 7'0"	0.76 X 2.10
V.	VENTILATOR	2'0" x 1'6"	0.60 X 0.46

AREA STATEMENT

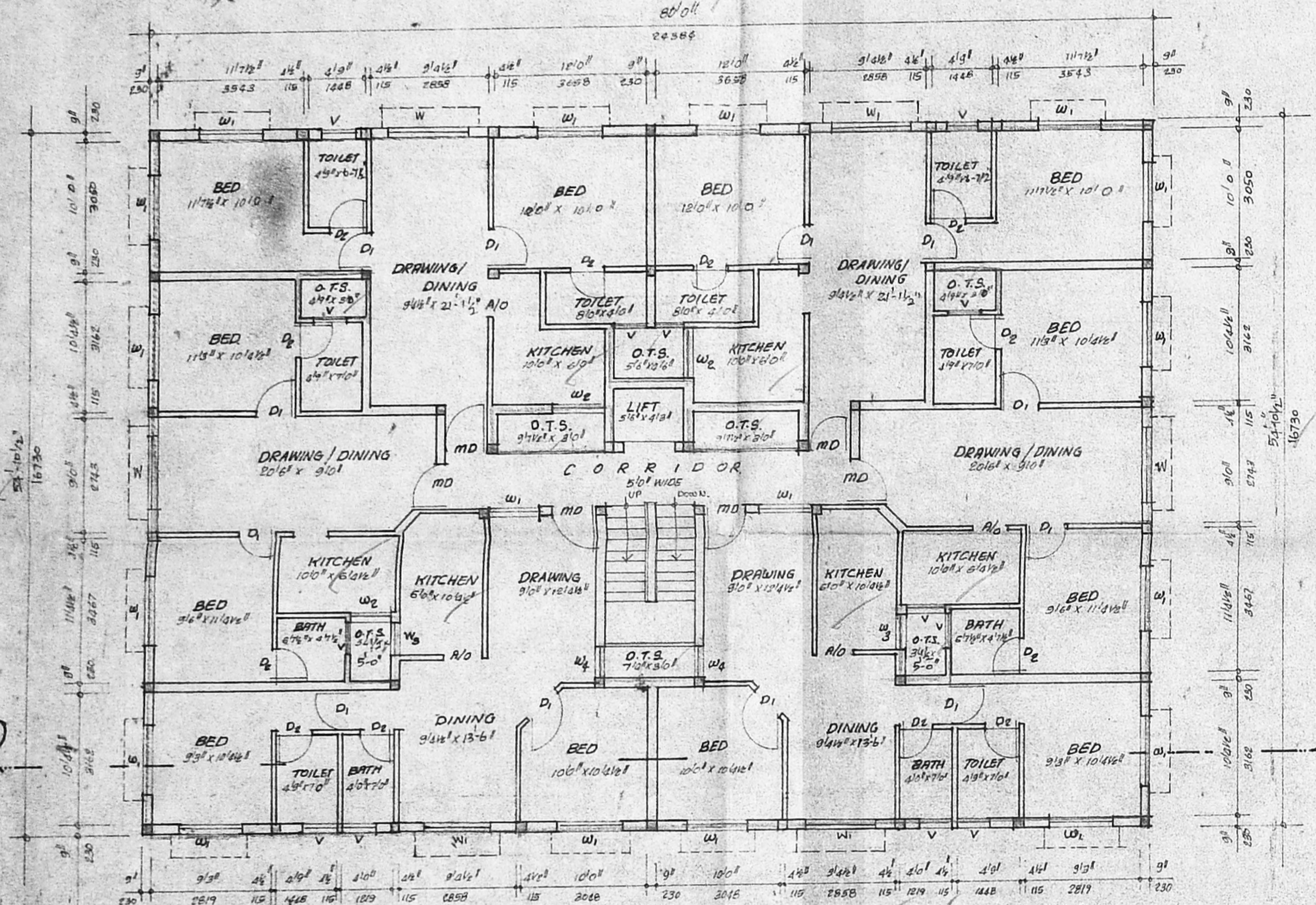
GROUND FLOOR AREA	4225.0	392.66
FIRST FLOOR AREA	4225.0	392.66
SECOND FLOOR AREA	4225.0	392.66
TOTAL AREA	12675.0	1177.98
PLOT AREA: 8480 SFT (288.10 SQM)		
PLOT COVERAGE: 50-0% (P.S.-I)		

COLOUR INDEX

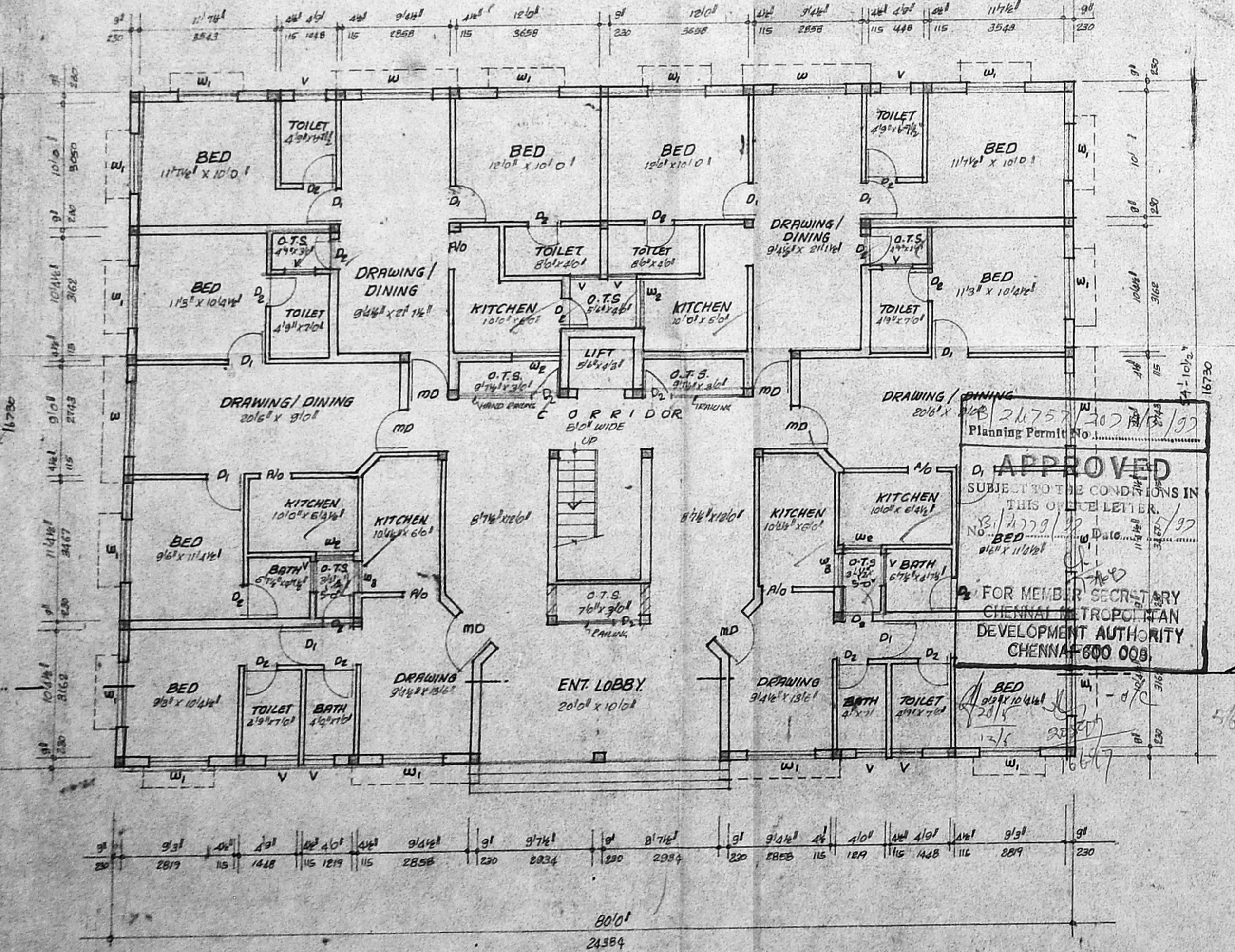
PROPOSED STAIN THIS	[Color swatch]
BOUNDARY SHOWN THIS	[Color swatch]
ROAD SHOWN THIS	[Color swatch]

SCALE: 1/4" = 1'-0"
DATE: [Blank]
N
[Signature]
(P.A. HOLDER)
OWNERS SIGNATURE

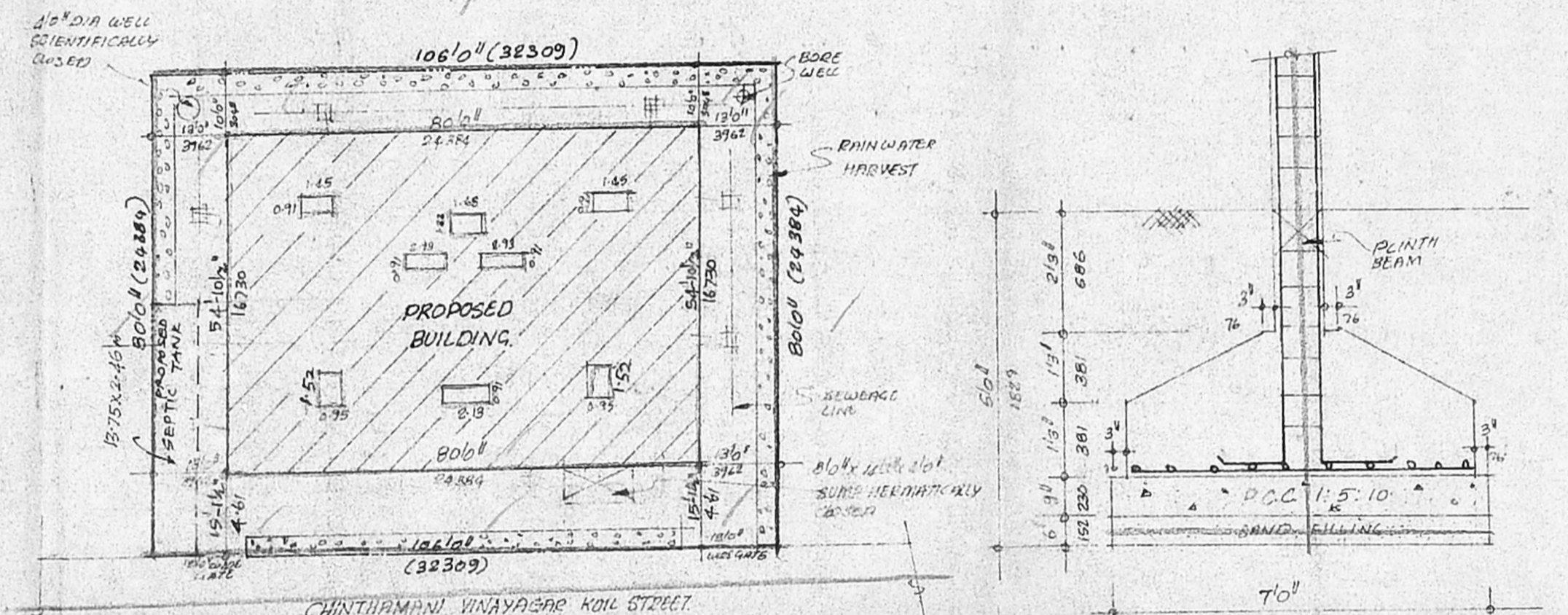
S. DURAI PANDIAN,
B.E., A.M.I.S.E., F.I.V., F.I.I., Archt.,
Chartered Engineer, Valuer, Industrial Consultant,
Registered Architect, C.M.B.A. Engineer &
Licensed Surveyor, Composition of Madras.
14, 'Sri Vinayak' Kilpauk Garden Colony Estn.,
Madras - 600 015. Ph. No: 612683. Off: 8267350
LICENSED SURVEYOR.



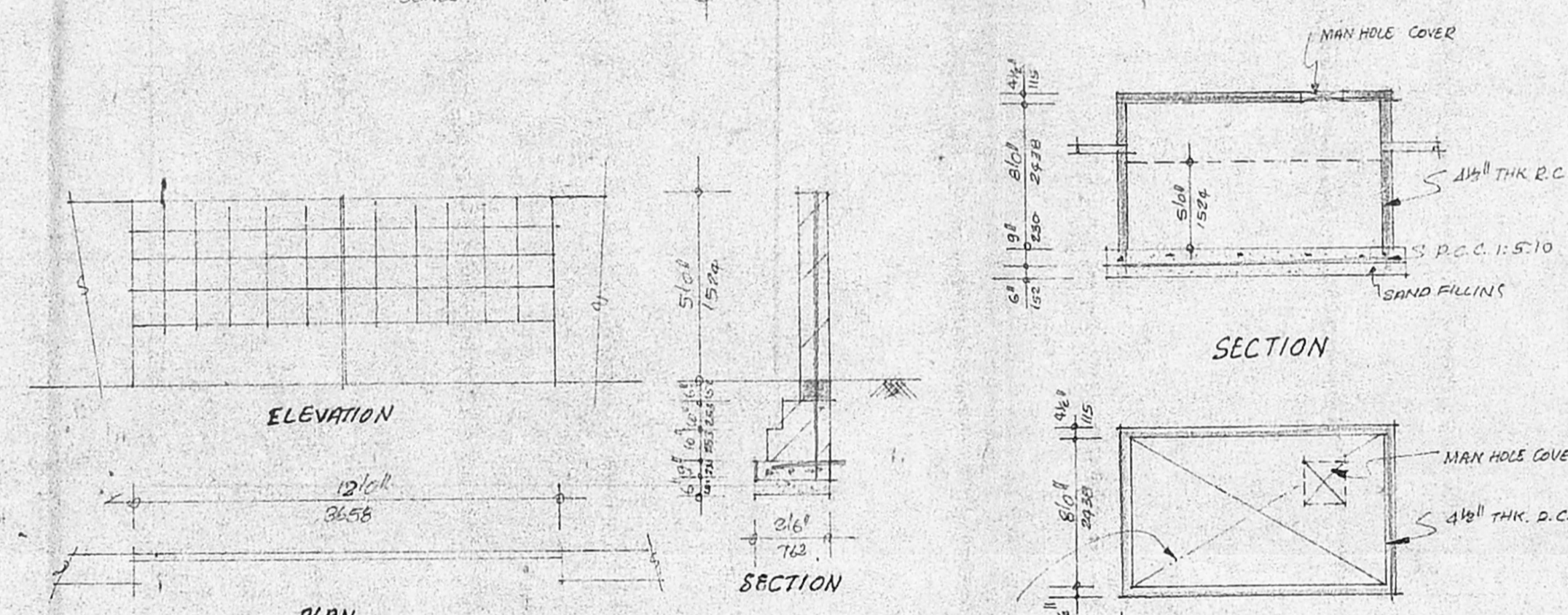
TYPICAL FLOOR PLAN [1 & 2]



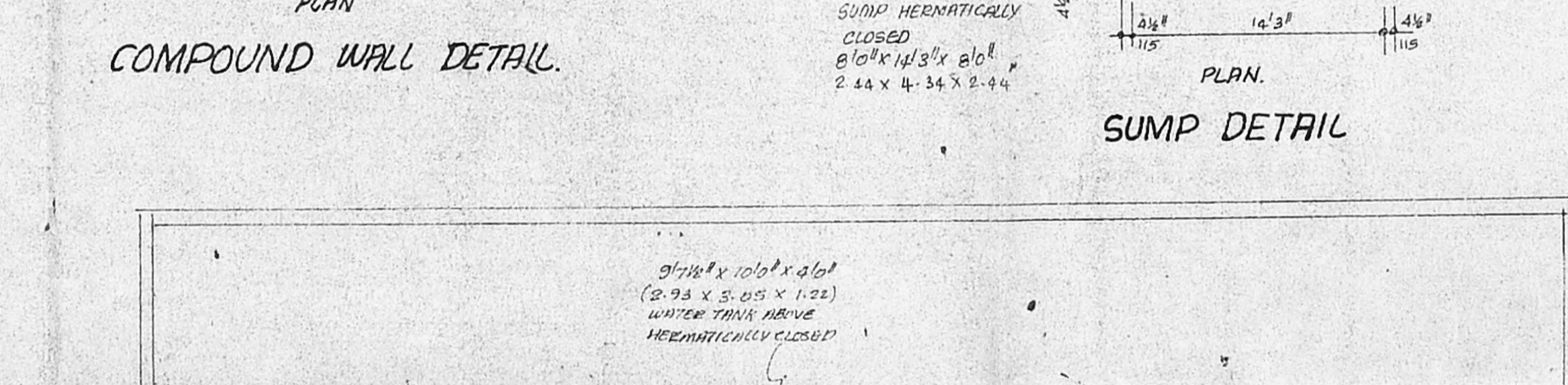
GROUND FLOOR PLAN



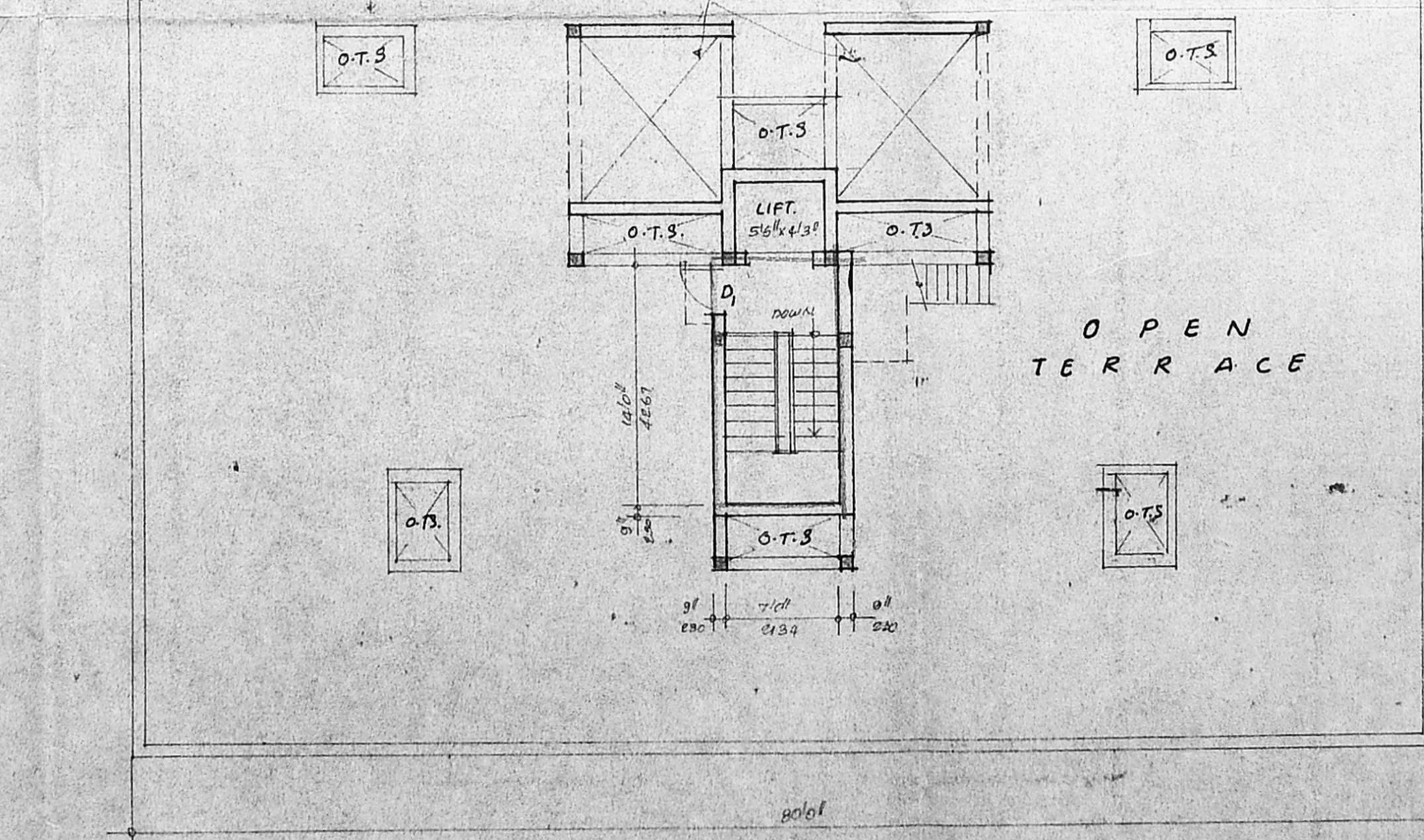
SITE PLAN



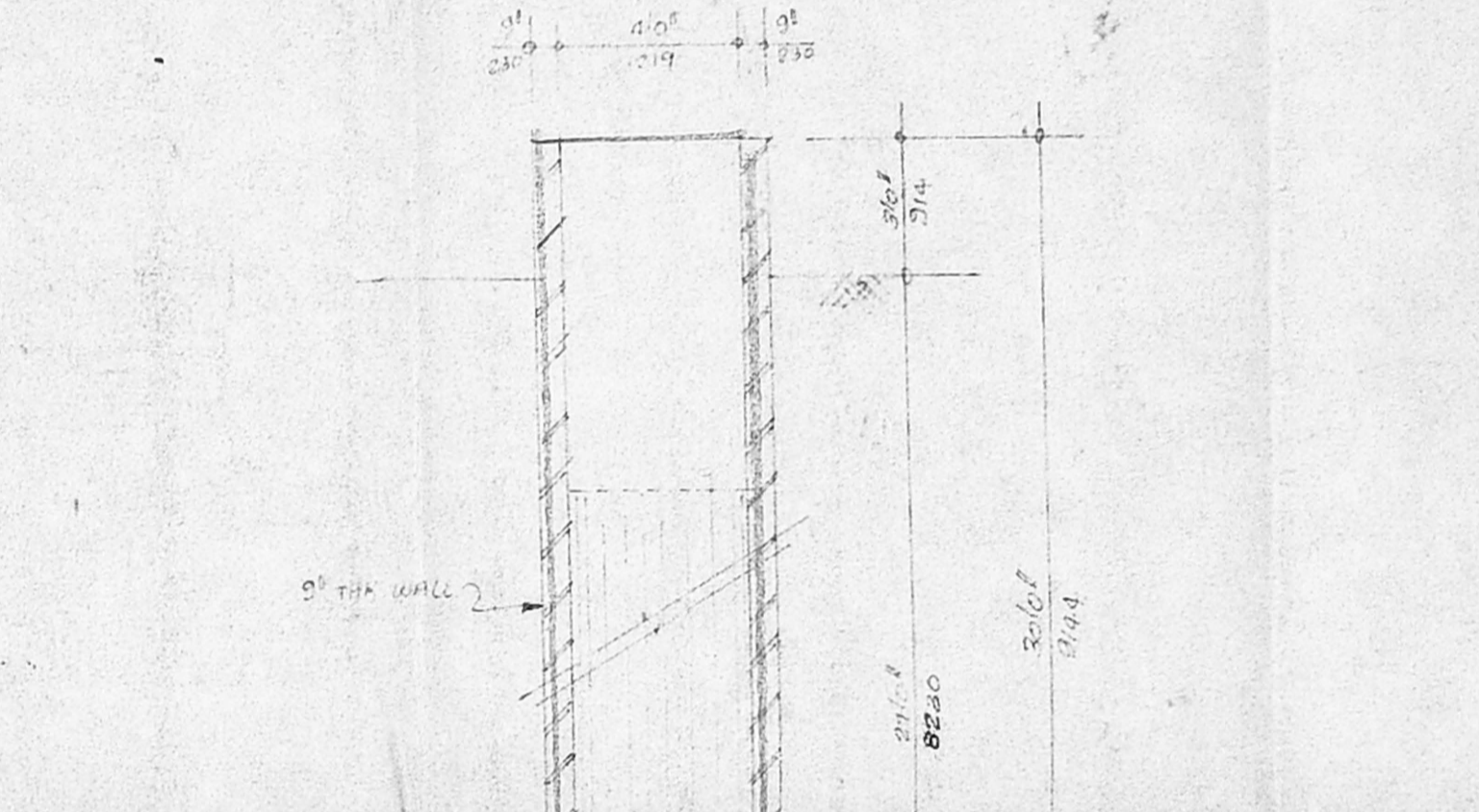
FOUNDATION DETAIL



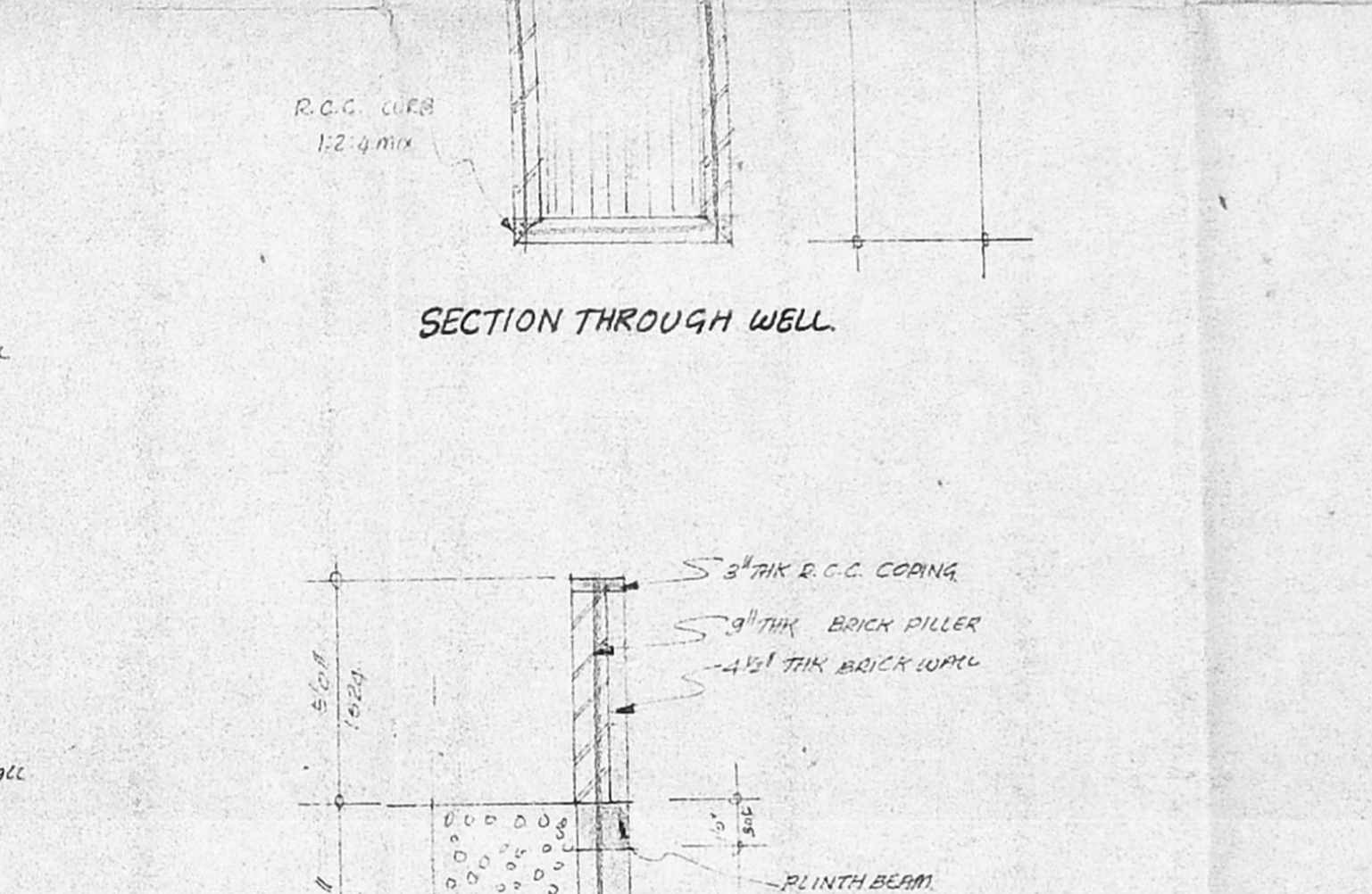
COMPOUND WALL DETAIL



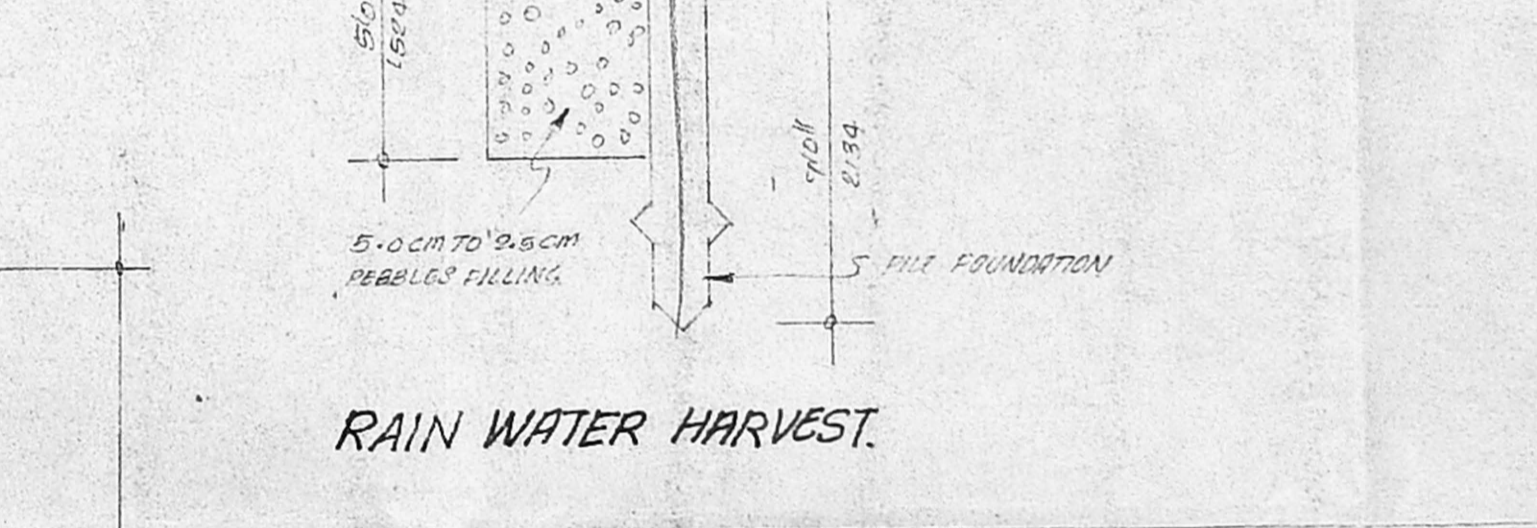
TERRACE FLOOR PLAN



SECTION THROUGH WELL



RAIN WATER HARVEST



SUMP DETAIL

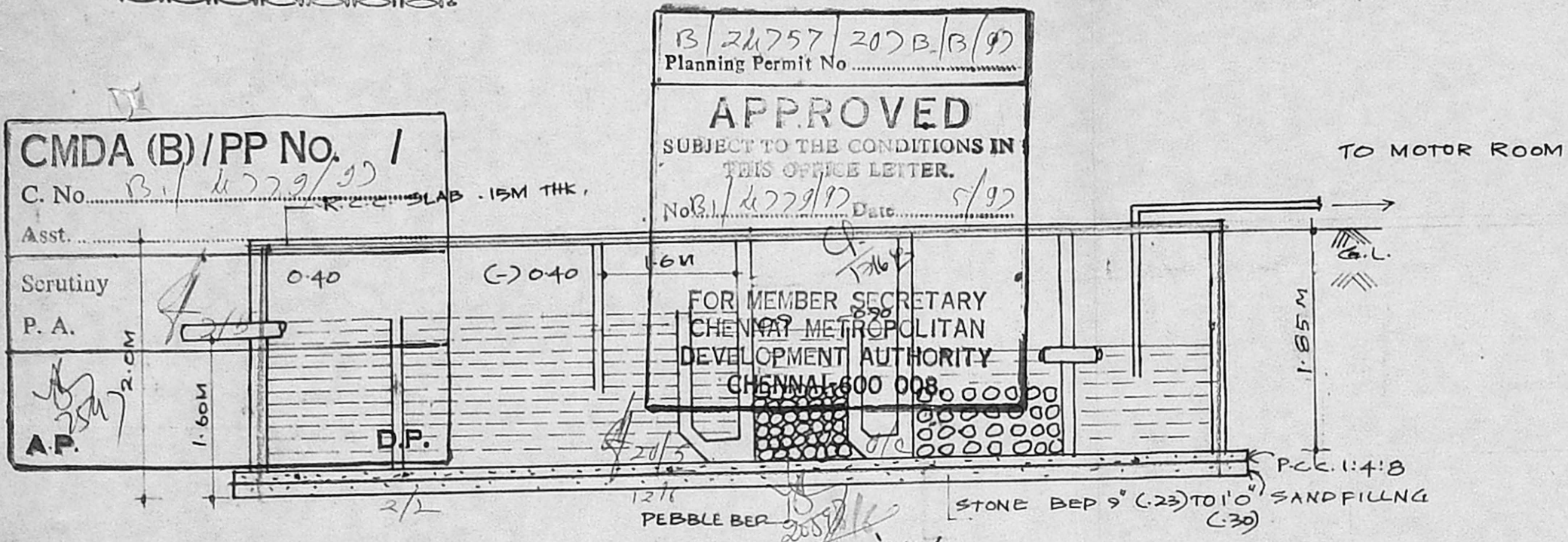
PLAN SHOWING THE PROPOSED SEPTIC TANK DESIGN FOR RESIDENTIAL BUILDING

AT PLOT NO 41, 42 & 43 CHINTHAMANI VINAYAGAR KOIL STREET.
 OF S. NO 116/2 NO 84, VALASARAVAKKAM VILLAGE, SAIDAPET TALUK.
 CHENGAI M.G.R. DIST.

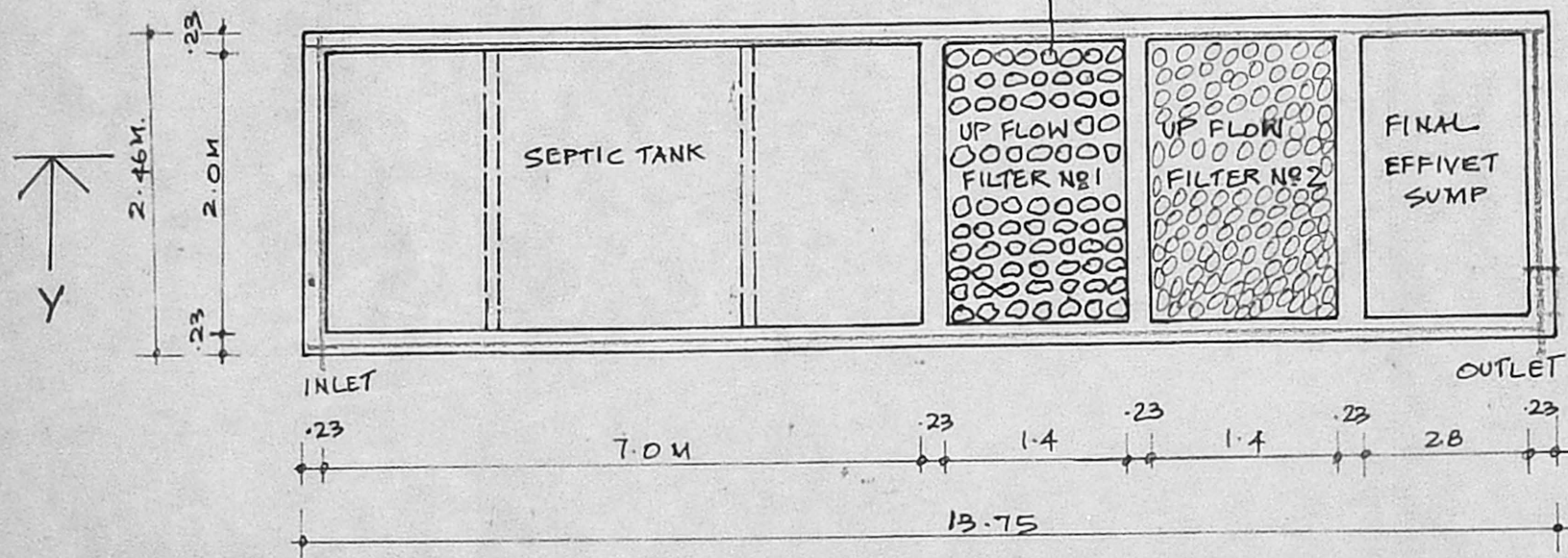
Revised Plan
 Dt: 28.11.92

B/24757/207B/B/92
 Planning Permit No.....
APPROVED
 SUBJECT TO THE CONDITIONS IN
 THIS OFFICE LETTER.
 No. B/1/4779/92 Dt: 5/92

CMDA (B) / PP No. 1
 C. No. B/1/4779/92
 Asst. Scrutiny P.A.
 A.P.



SECTION ON 'YY'



DETAIL OF SEPTIC TANK.
 SCALE 1:75
 ALL DIMENSIONS ARE IN METRE

DESIGN OF SEPTIC TANK

NO OF DWELLING	:	18 Nos
NO OF USERS	:	18 x 5 = 90
RATE OF MATTER SUPPLY IS	:	150LPH/DAY
THEN FLOW OF SEWAGE PER DAY	:	90 x 150 = 13500 LITERS
DETENTION PERIOD IS	:	18 HRS.
TANK CAPACITY	:	13500 x 18/24 = 10125

THE TANK IS TO BE CLEANED EVERY YEAR
 SO SLUDGE STORAGE CAPACITY AT THE
 RATE OF 15 LTS FOR PERSON PER YEAR
 $90 \times 15 = 1350$
 $13500 + 1350 = 14,850 \text{ LITS}$



WITH PROVISION FOR FUTURE EXPANSION
 TOTAL TANK CAPACITY BE 20,000 LTS. 20 M^3
 SEPTIC TANK HAVING A CAPACITY OF 20 M^3
 DEPTH OF LIQUID IS 1.60M
 PLAN AREA OF THE TANK $20 / 1.60 = 12.50 \text{ M}^2$
 THE RATIO OF LENGTH TO WIDTH OF TANK BE 3

LENGTH X BREADTH X 3 12.50 M^2
 BREADTH OF TANK 2M
 LENGTH OF TANK 7M
 FREE BOARD OF THE TANK 0.40M
 TOTAL DEPTH OF THE TANK $1.60 + 0.40 = 2.00 \text{ M}$

PROVIDE THE SEPTIC TANK EACH OF 7X2 X2 THE SIZE
 UP FLOW FILTERS 15000LTS
 DISCHARGE FOR 100 PERSONS
 VOLUMS $800 \times .45 = 22.50 \text{ M}^3$
 DEPTH 0.80M
 PLAN AREA REQUIRED $0.25 / 0.80 = 12.50 \text{ M}^2$
 SIZE OF FINAL EFFLUENT SUMP $2.80 \times 1.40 \times 1.75 \text{ M}$
 UP FLOW FILTER NO 1 $1.40 \times 0.70 \times 0.80 \text{ M}$
 UP FLOW FILTER NO 2 $1.40 \times 0.10 \times 0.80 \text{ M}$

OWNER

LICENSED SURVEYOR

 S. DURAIRAMIAN,
 B. ARCHITECTURE, P.L.L. Arch,
 Chartered Engineer, Water, Industrial Consultant &
 Registered Architect, Surveyor & Engineer &
 Licensed Surveyor, Government of Madras,
 14, 'Sri Vinayak' Street, St. Pauls Colony Brn.,
 Madras-600 016. Ph. No: 012083. Off: 820100