

SCHEDULE OF JOINERY

CMDA (B) / PP No. / 11		
C. No. 211	27789/36	
Asst.	117	2.91 x 2.13
Scrutiny		
P. A.	2' 6" x 7' 6" x 7' 7" x 2' 13"	
D1 DOOR	5' 0" x 4' 0"	1.52 x 1.22
D2 DOOR		
D3 DOOR		
W1 WINDOW	4' 0" x 4' 0"	0.91 x 1.22
W2 WINDOW	2' 6" x 1' 6"	0.76 x 0.45
V VENTILATOR	4' 0" x 6' 0"	
J R.C JALY		

AREA STATEMENT

	SFT	M ²
TOTAL PLOT AREA	3648.00	339.03
GROUND FLOOR AREA	1427.00	132.06
FIRST FLOOR AREA	1598.00	148.51
SECOND FLOOR AREA	1598.00	148.51
TOTAL AREA	4617.00	429.08
PLOT COVERAGE	39.00%	
F.S.I	1.285	

COLOUR INDEX

PROPOSED	
ROAD	
BOUNDARY	

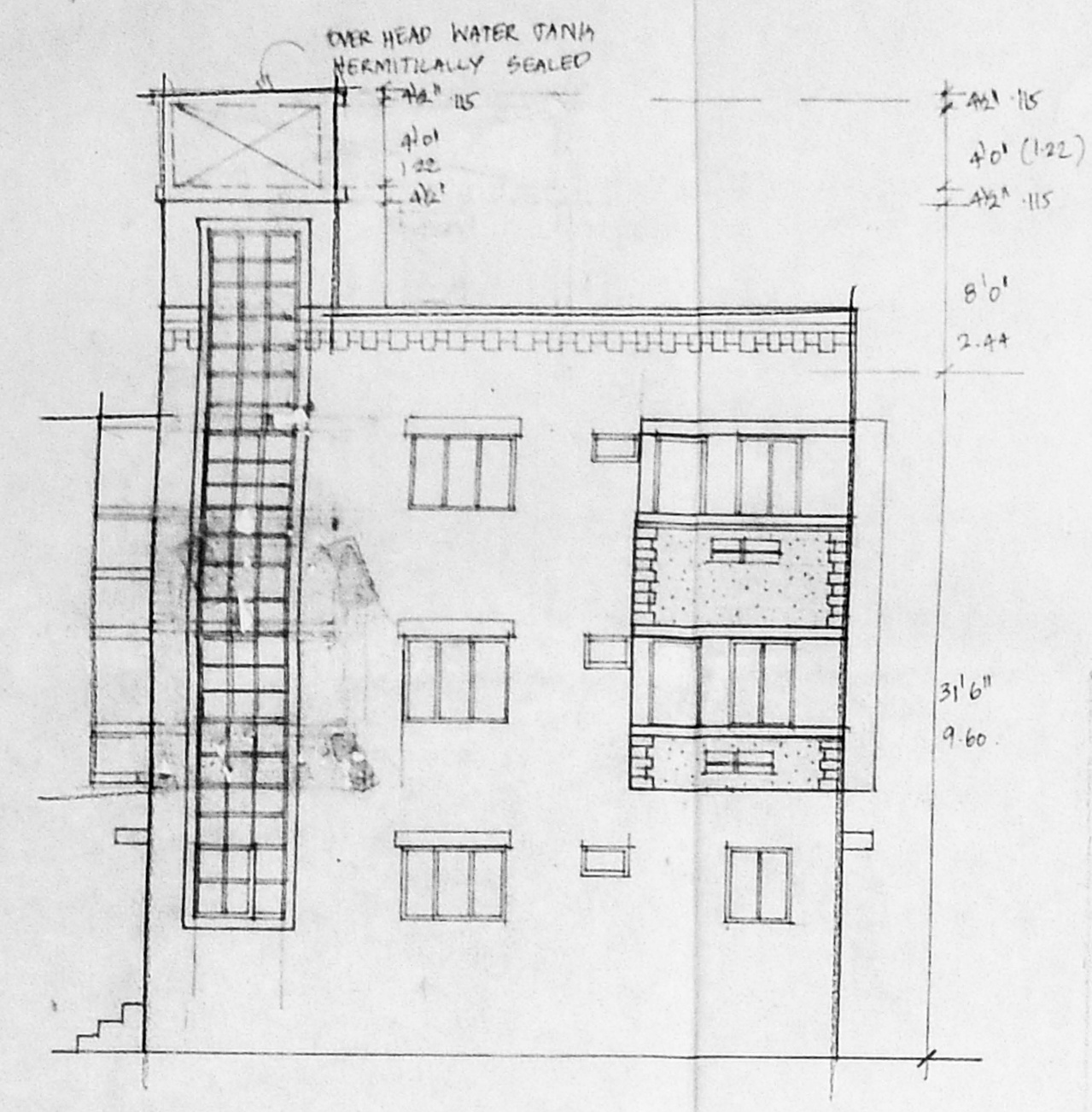
PROPOSED BUILDING AT
 PLOT NO : 5 & 6, CHURCH STREET,
 SATHYA NAGAR, PADI, MADRAS
 600050. S.NO : 68
 MOGAPPAIR VILLAGE, SAIDAPET TALUK,
 CHINGLEPET DISTRICT

SCALE 1:100 (1" = 8' 0")

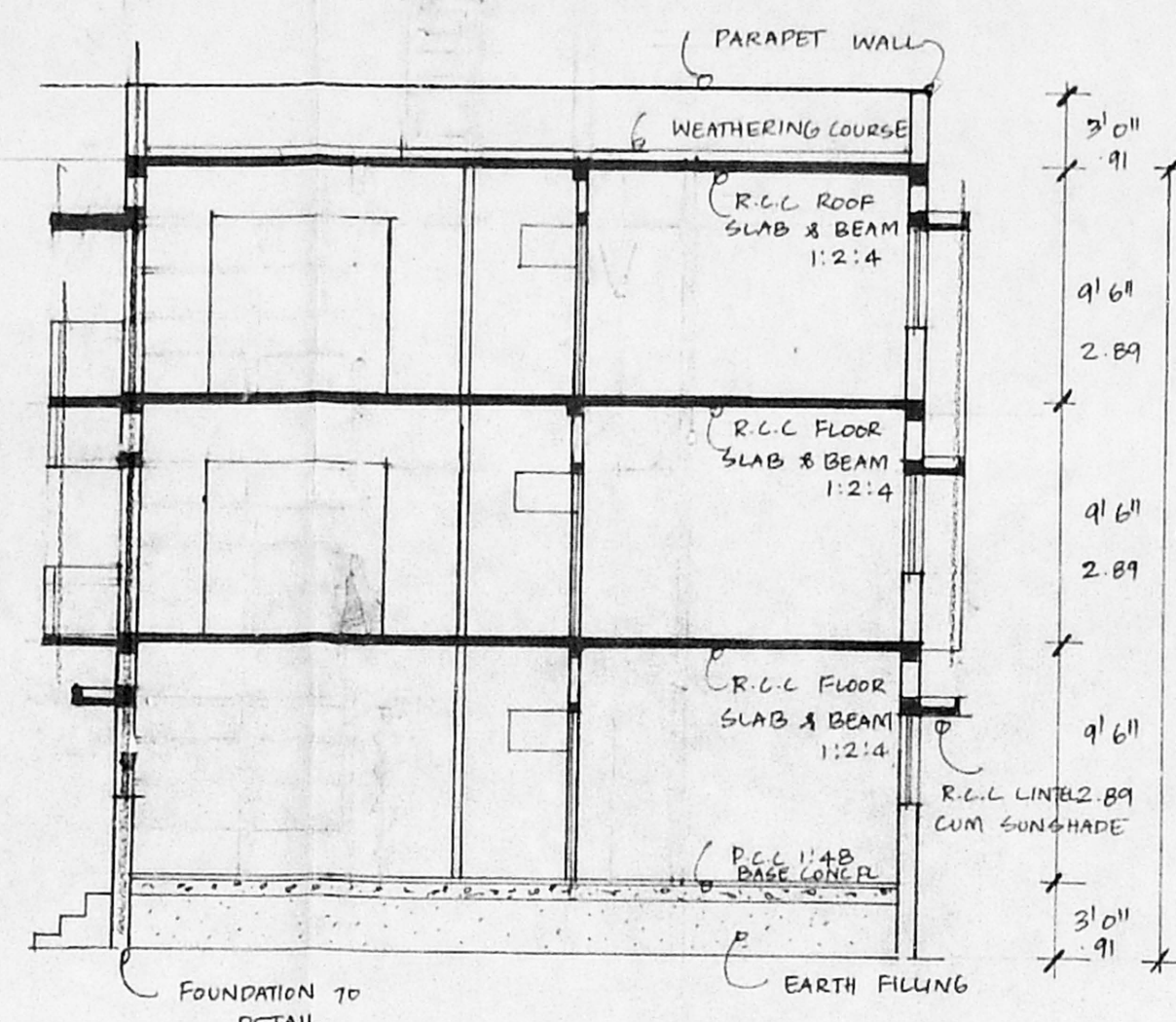
OWNER'S

S. Durairam
S. DURAIRAM
 B.E., A.M.I.E., F.I.P., F.I.L. Archt.,
 Chartered Engineer, Industrial Convent, &
 Registered Surveyor & Engineer &
 Licensee Surveyor of Madras.
 14, 'Sri Vinayak' Kilpaik Va Van Colony Extn.,
 Madras-600 010. Ph. No: 612683 Off: 3267360

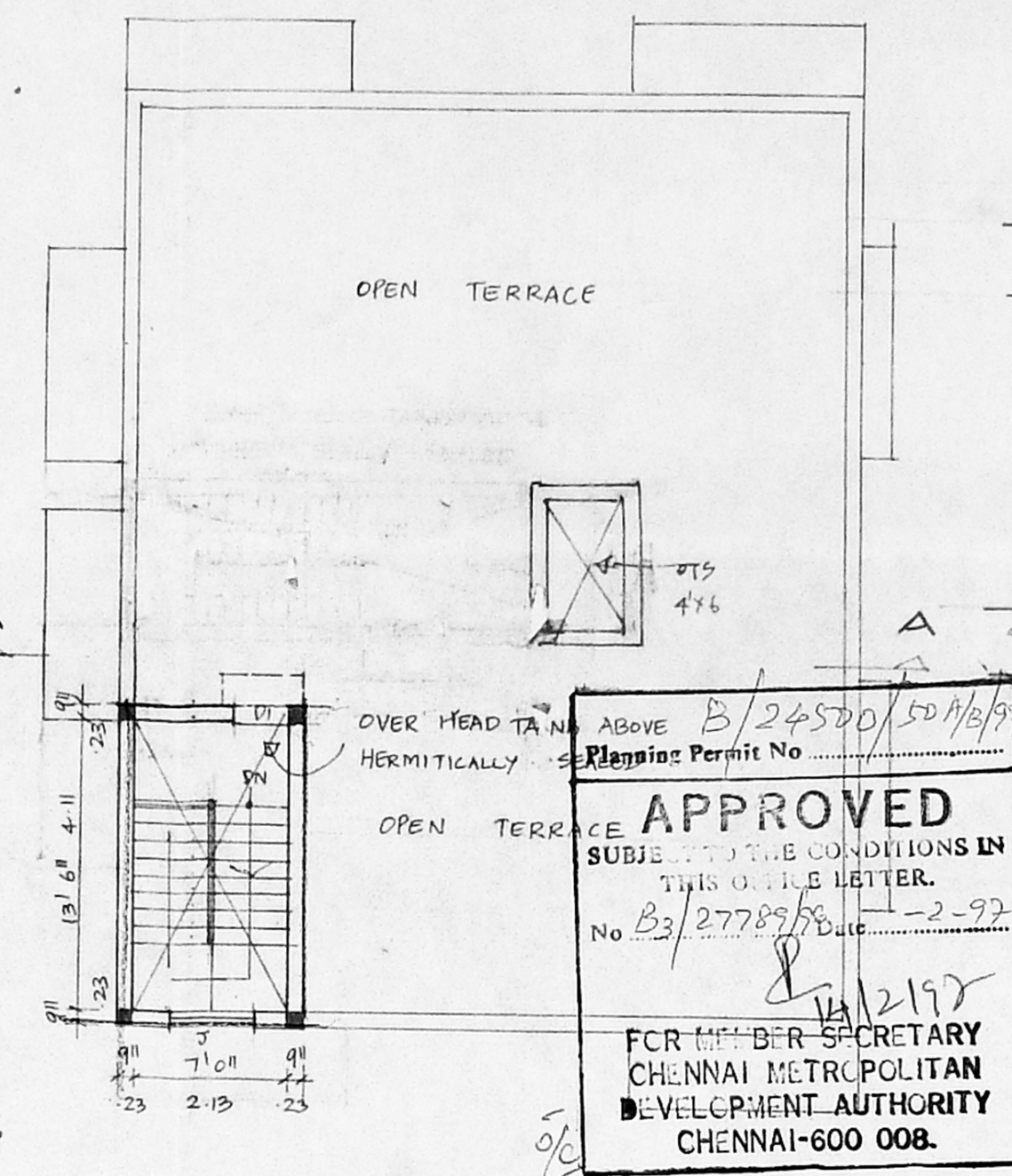
LICENSED SURVEYOR



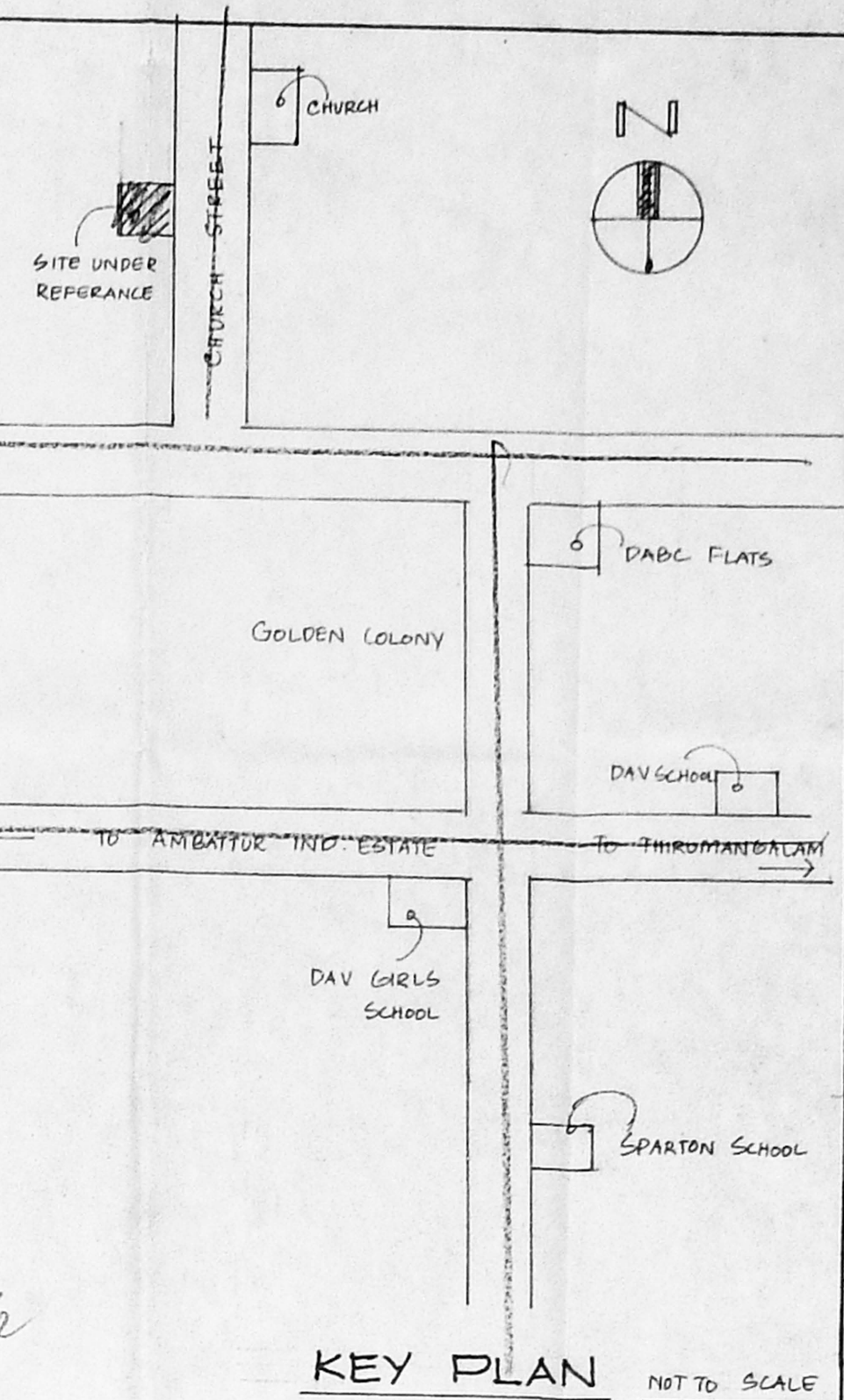
FRONT ELEVATION



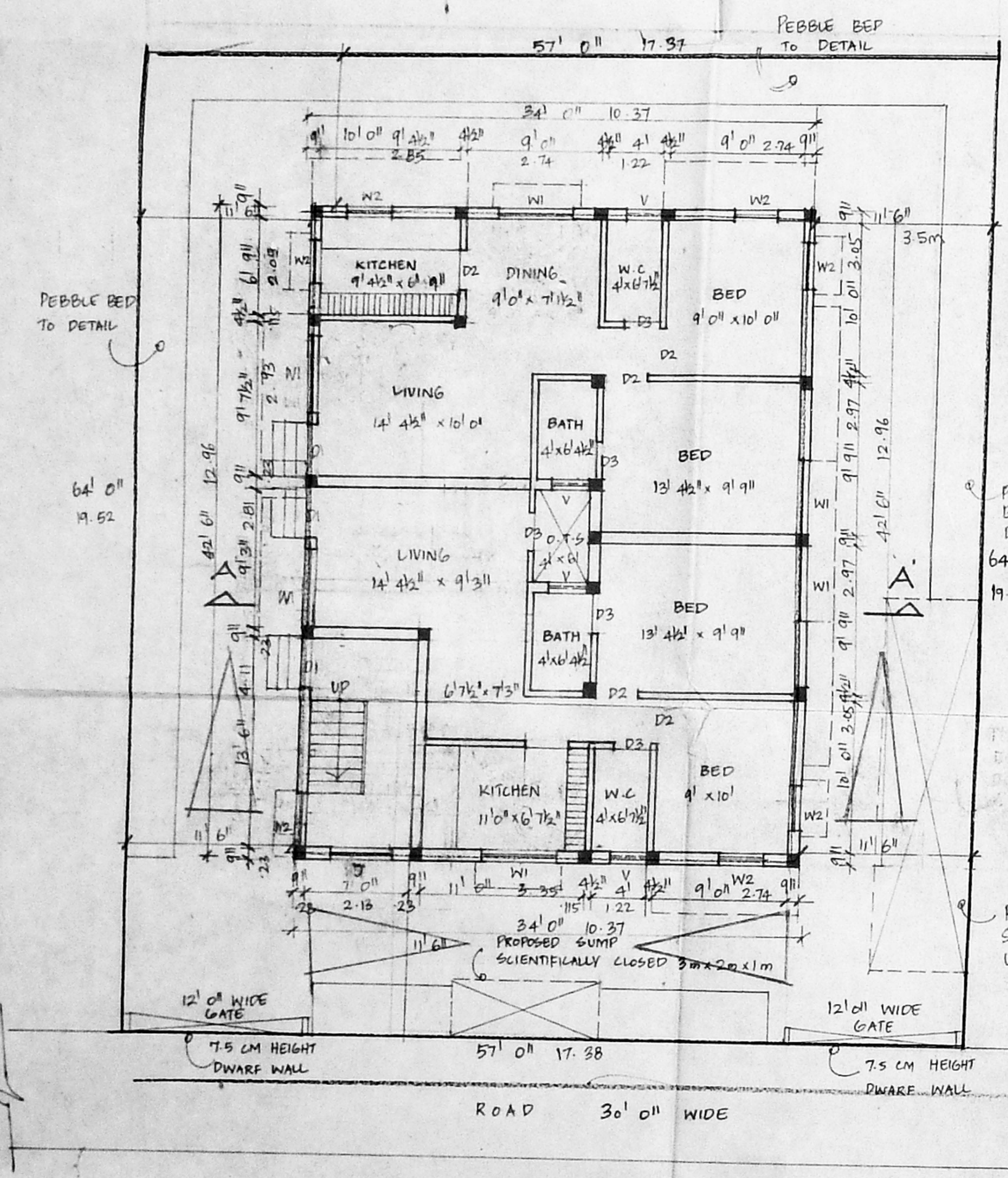
SECTION ON AA



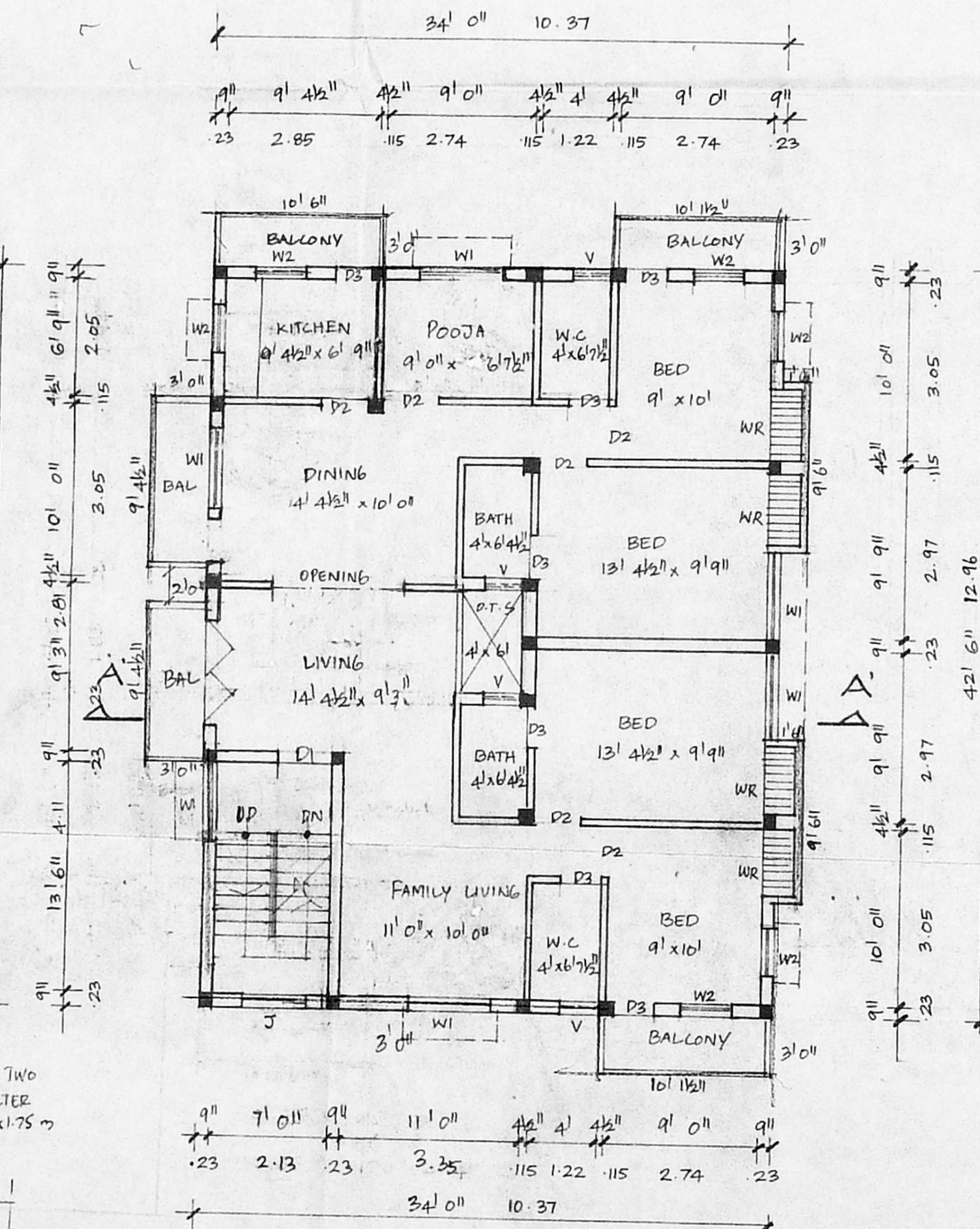
TERRACE FLOOR PLAN



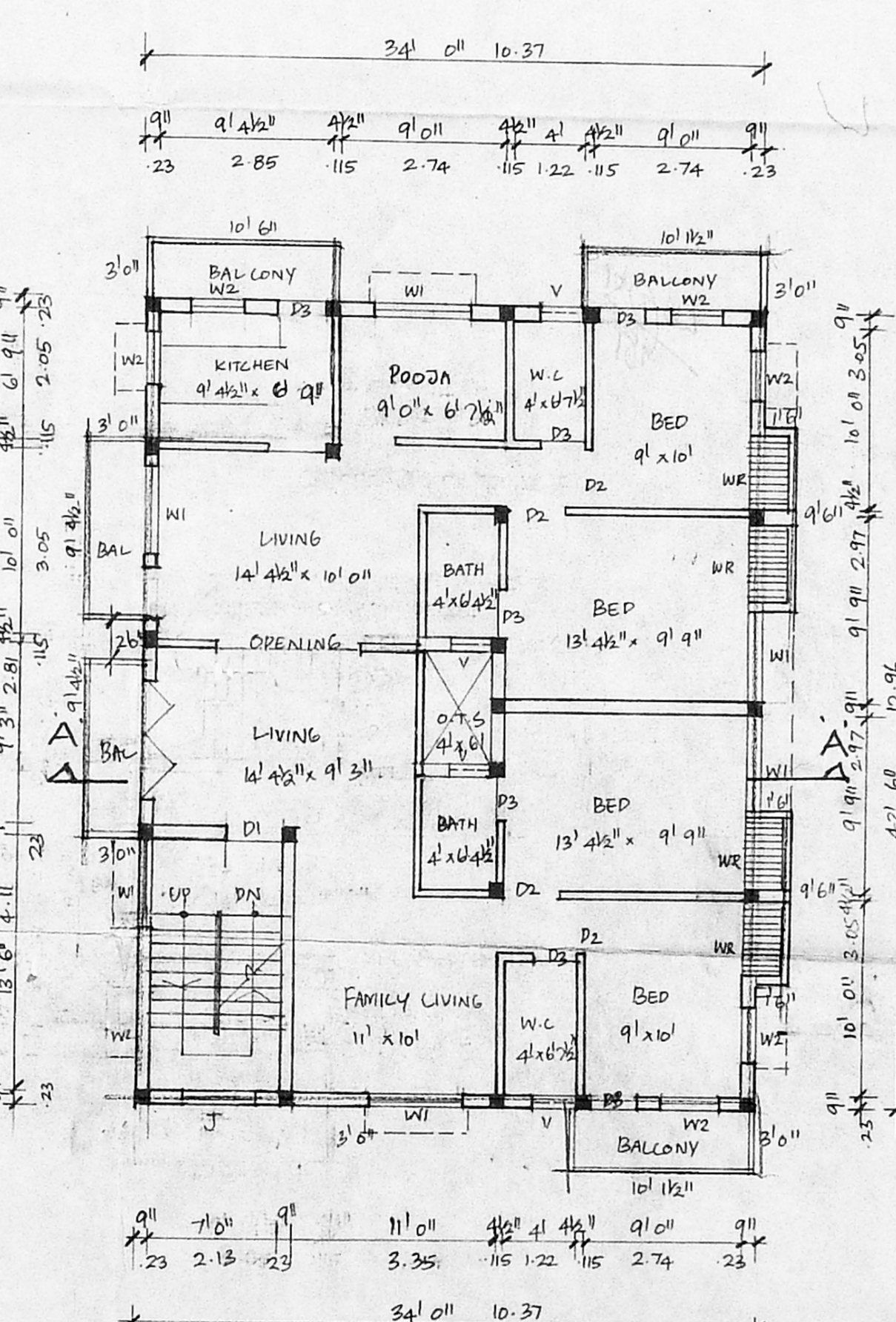
KEY PLAN NOT TO SCALE



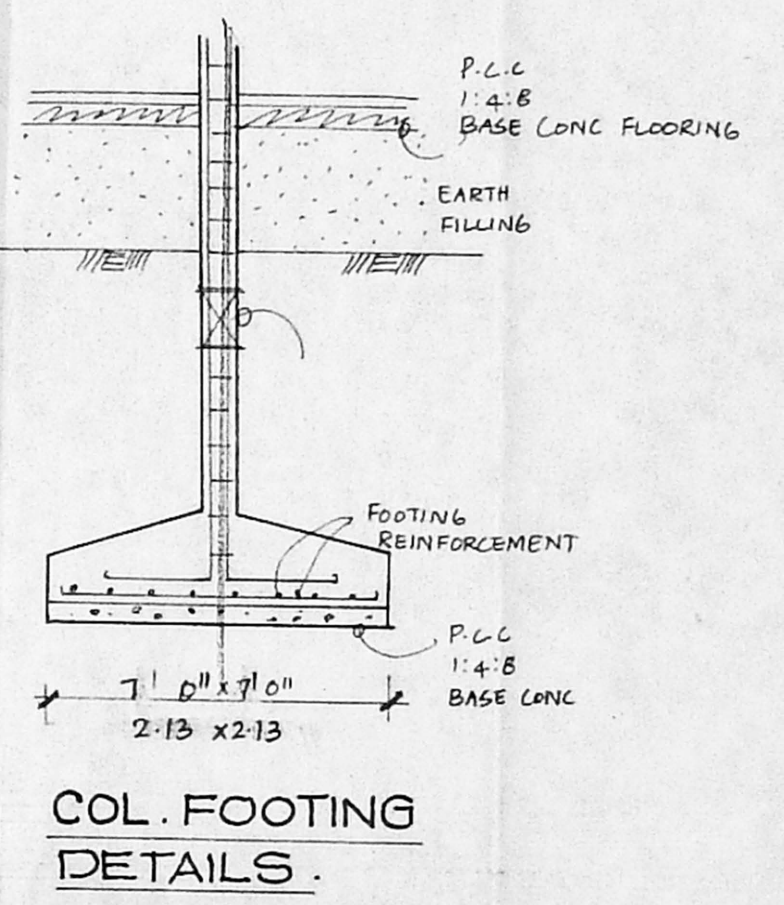
GROUND FLOOR PLAN CUM SITE PLAN



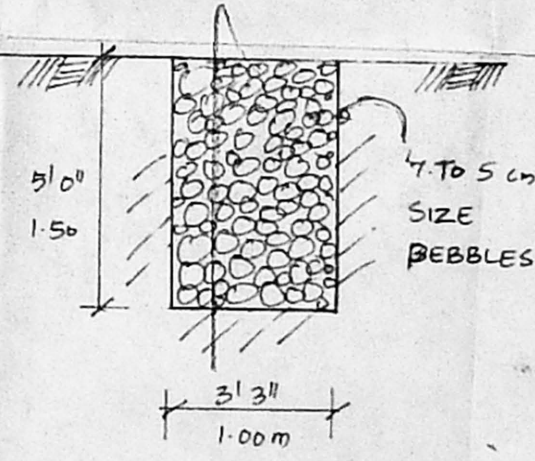
FIRST FLOOR PLAN



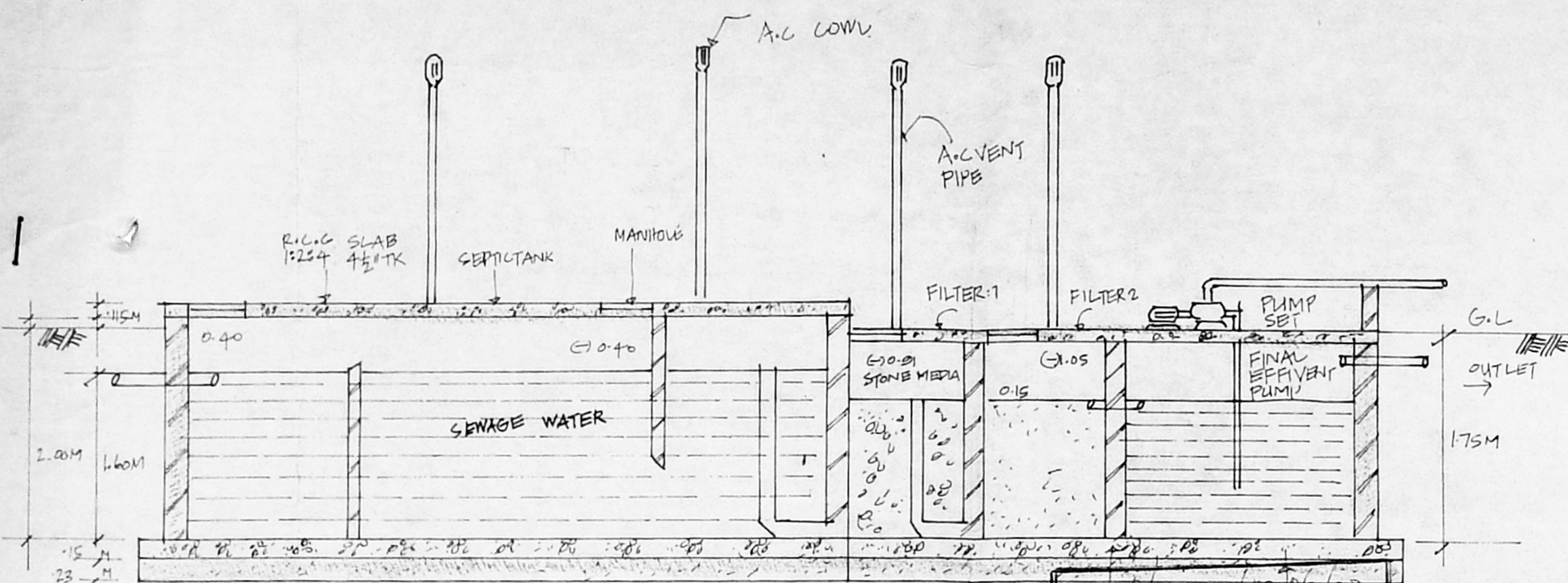
SECOND FLOOR PLAN



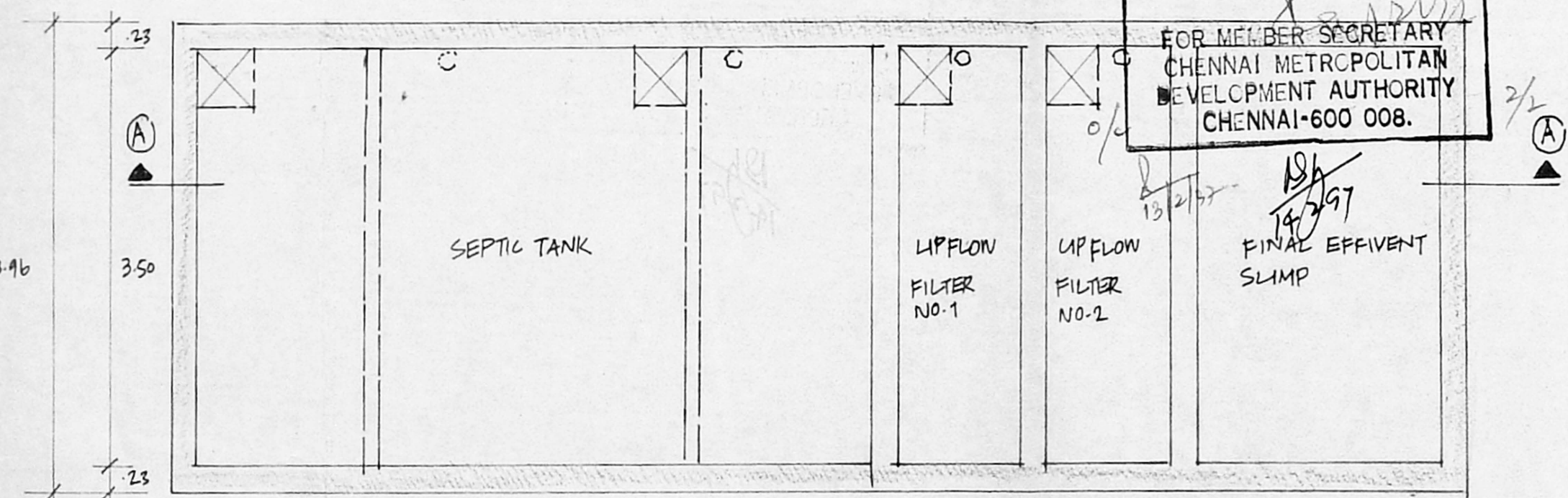
COL. FOOTING DETAILS



DETAILS OF PEBBLE BED



SECTION: AA



PLAN

DETAILS OF SEPTIC TANK
SCALE 1:50 ALL DIMENSIONS ARE
IN METER

13/24550/50
Planning Permit No. B3/27789/96
APPROVED
SUBJECT TO THE CONDITIONS IN
THIS OFFICE LETTER.
No. B3/27789/96 Date -2-97
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI-600 008.

DESIGN OF SEPTICTANK TWO UP FLOW FILTERS

NO OF DWELLING	4
NO OF USERS	20
RATE OF WATER SUPPLY IS	150 LPH/DAY
THEN FLOW	95x150
DE TENTION PERIOD IS	18 HRS.
∴ TANK CAPACITY	150x18/24 = 1125 LTRS.
THE TANK IS TO BE CLEANED EVERY YEAR	
SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LTRS FOR PERSON PER YEAR	

WITH PROVISION FOR FUTURE EXPANSION LET THE TOTAL TANK CAPACITY BE 22000 LTRS (OR) 22M³
 SEPTIC TANK HAVING A CAPACITY OF 22M³
 DEPTH OF LIQUID AS 1.60M
 PLAN AREA OF THE TANK 22/1.60 = 14m²
 THE RATIO OF LENGTH TO WIDTH OF TANK BE 3
 LENGTH X BREADTH X 3 = 14m²
 BREADTH OF TANK = 3.5m
 LENGTH OF TANK = 6m
 FREE BOARD OF THE TANK = 0.40m
 TOTAL DEPTH OF THE TANK 1.60 + 0.40 = 2.00m
 PROVIDE TWO SEPTIC TANK EACH 6m x 3.5 x 2.00 m
 UP FLOW FILTERS
 DISCHARGE FOR 30 PERSONS = 55000 LTRS.
 VOLUME = 370 x .45 = 16.65 m³
 DEPTH = 1.10 - 0.30 = 0.80 m
 PLAN AREA REQUIRED = 16.65 / 0.80 = 21m²
 SIZE OF FINAL EFFLUENT SLUMP 2.10 m x 3.50 x 1.75 m
 UP FLOW FILTER NO:1 = 1.05 x 3.50 x 0.80
 UP FLOW FILTER NO:2 = 1.05 x 3.05 x 0.80

DESIGN OF SEPTICTANK WITH UPFLOW FILTER SYSTEM FOR THE PROPOSED BUILDING AT PLOT NO.5 & 6 CHURCH STREET SATHYA NAGAR, PADI, MADRAS 50 SNO.68 MOGAPAIR VILLAGE, SAIDAPET TALUK, CHENGLEPET DIST.

OWNER:
 S. Durai Pandian
 B.E., A.C.E., S.E., F.I.V., F.I.L., Arch.
 Chartered Engineer, Valuer, Industrial Consultant
 Registered Architect, Temple Engineer & Licentiate of Corporation of Madras.
 14, 'Sri Vinayak' Kilipakk Road, Coimbatore
 Madras-600 010. Ph. No: 612653 Off: 8267300
 LICENSED SURVEYOR: