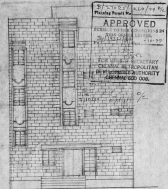
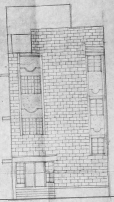
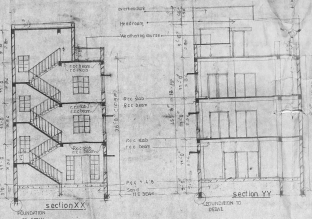


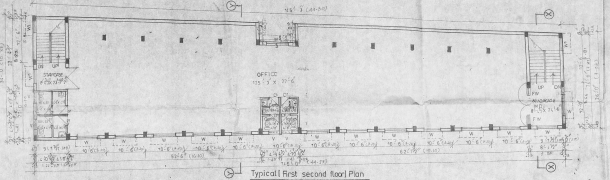
PROPOSED COMMERCIAL BUILDING AT SURVEY NO 318, 1A/20A, 15 NO. 24, BLOCK NO. 1, RAJ STREET, CHAMBARAM TALKIE, KRANCHIPEURAM DISTRICT. T.M.G.O. M. 5 NO. 1441 DATED 12-11-67



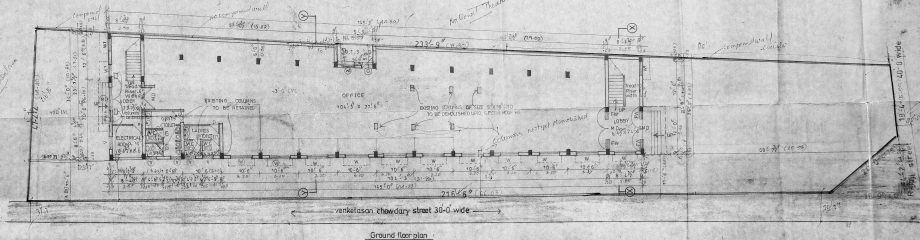
REAR SIDE ELEVATION



Elevation



Typical first second floor plan



Ground floor plan

SPECIFICATIONS

- FLOORING SHALL BE 1:2:4 CONCRETE WITH REINFORCING BARS IN 10% COURSE + 10% REINFORCING STEEL BARS IN 10% COURSE.
- ROOFING SHALL BE BRICKED WITH 10% REINFORCING BARS IN 10% COURSE + 10% REINFORCING STEEL BARS IN 10% COURSE.
- PAINTING ONE COAT OF PRIMA 100 COLOURS OF EMULSION PAINT.
- ROOFING SHALL BE BRICKED WITH 10% REINFORCING BARS IN 10% COURSE + 10% REINFORCING STEEL BARS IN 10% COURSE.
- ROOFING SHALL BE BRICKED WITH 10% REINFORCING BARS IN 10% COURSE + 10% REINFORCING STEEL BARS IN 10% COURSE.
- ROOFING SHALL BE BRICKED WITH 10% REINFORCING BARS IN 10% COURSE + 10% REINFORCING STEEL BARS IN 10% COURSE.

SCHEDULE OF JOINERY

NO	DESCRIPTION	UNIT	QUANTITY
1	MAIN DOOR	10' x 7' 6"	1
2	DOOR	7' 6" x 7' 6"	1
3	WINDOW	7' 6" x 7' 6"	1
4	WINDOW	7' 6" x 7' 6"	1
5	WINDOW	7' 6" x 7' 6"	1

AREA STATEMENT

NO	DESCRIPTION	UNIT	QUANTITY
1	GROUND FLOOR	SQ. FT.	1000.00
2	FIRST FLOOR	SQ. FT.	1000.00
3	SECOND FLOOR	SQ. FT.	1000.00
4	TOTAL FLOOR AREA	SQ. FT.	3000.00

LEGEND

- PROPOSED
- EXISTING
- REAR SIDE ELEVATION
- REAR SIDE ELEVATION

OWNER SIGNATURE

Signature line for the owner.

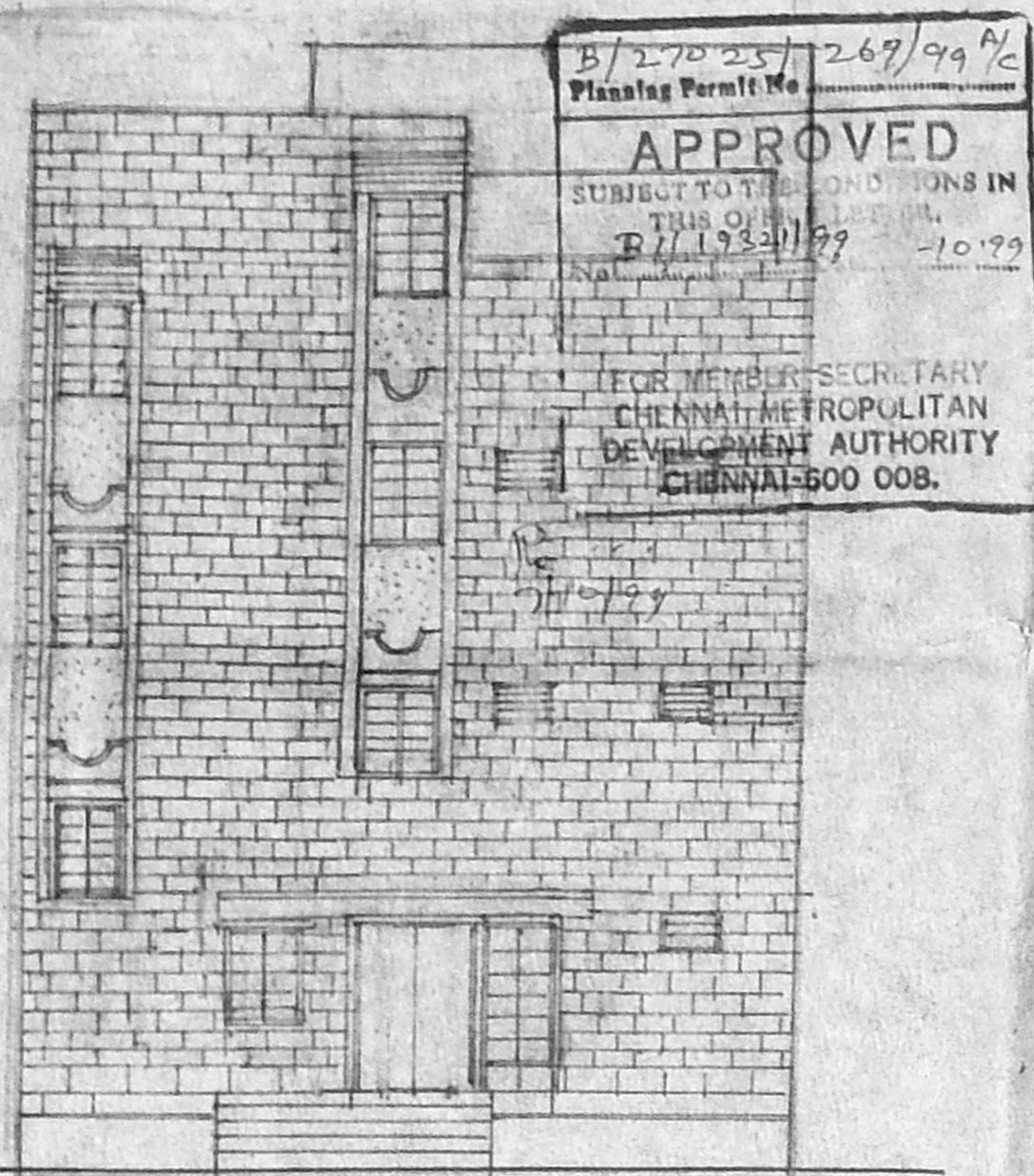
LICENSED SURVEYOR

Signature line for the licensed surveyor.

PANI ASSOCIATES
ARCHITECTS ENGINEERS SURVEYORS
NO. 23, PILLAI STREET, CHENNAI - 600 006
TELEPHONE: 20943, 24111, 1820

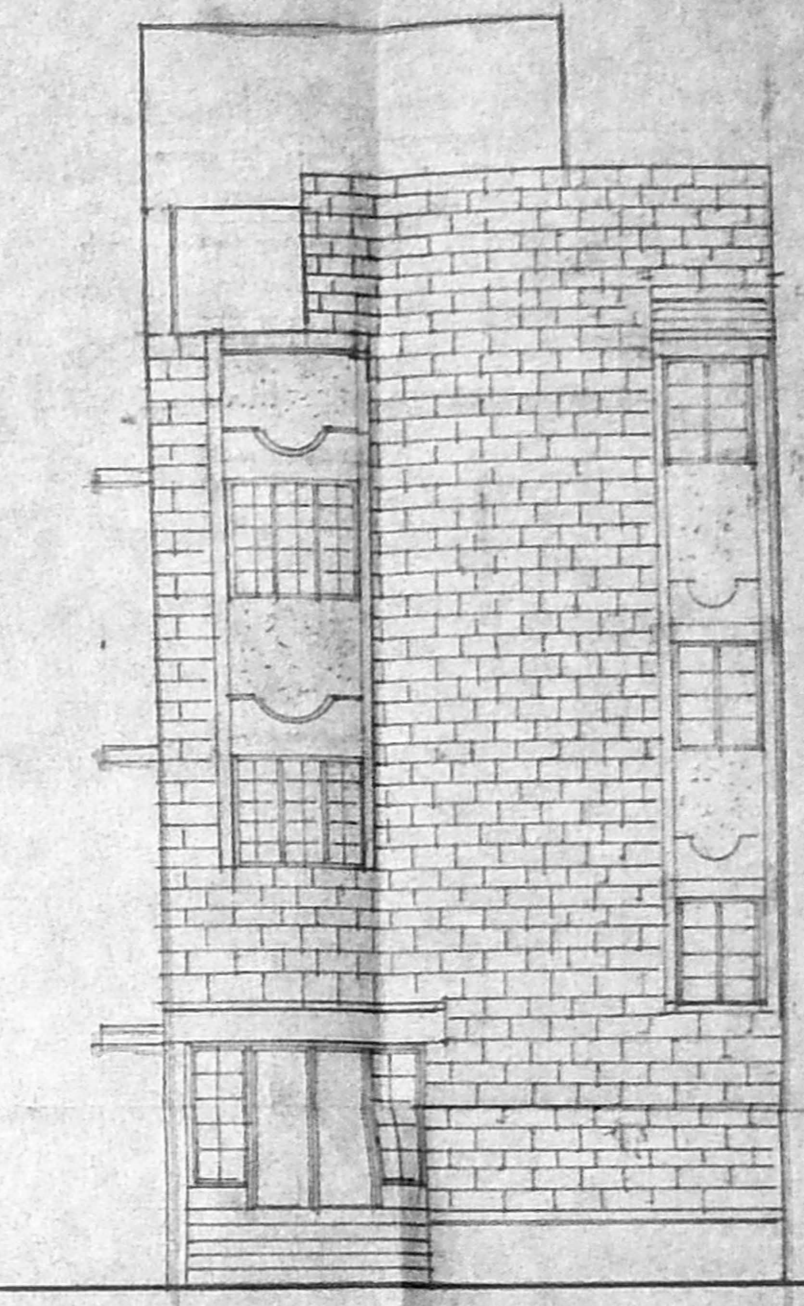
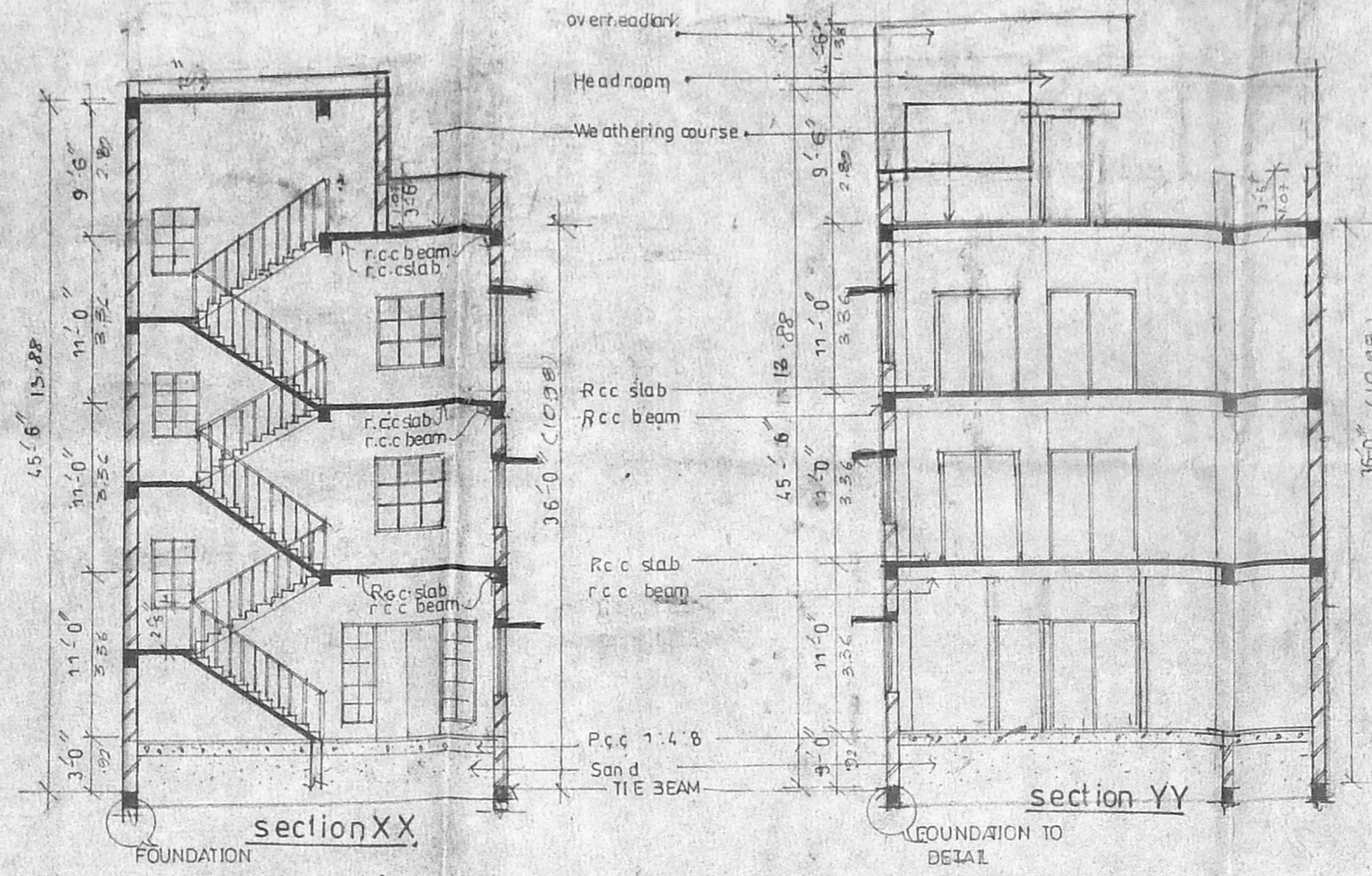
S. RAJAPPA
LICENSED SURVEYOR
NO. 23, PILLAI STREET, CHENNAI - 600 006

S. RAJAPPA
LICENSED SURVEYOR
NO. 23, PILLAI STREET, CHENNAI - 600 006

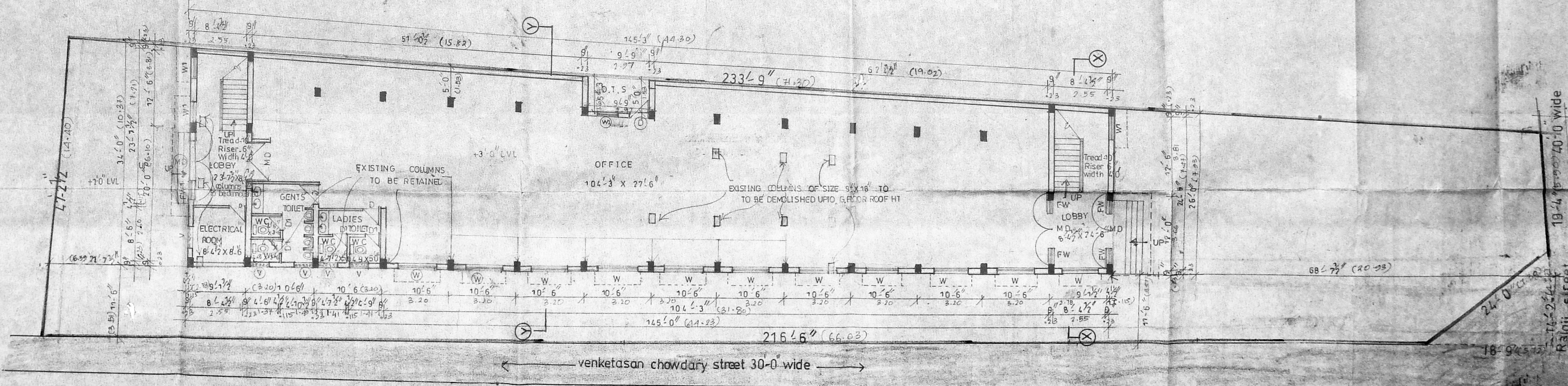
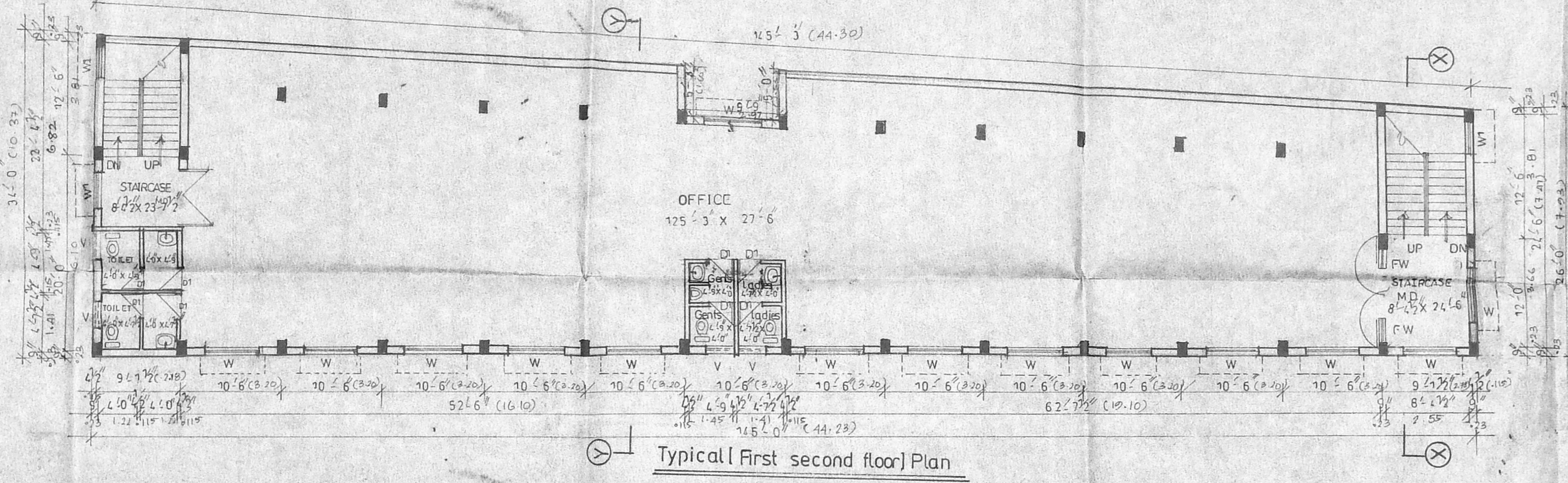


REAR SIDE ELEVATION

B/270/23/267/99/1/2
 Planning Permit No
APPROVED
 SUBJECT TO THE CONDITIONS IN THIS PERMIT
 B/11/03/11/27 10.79
 FOR THE SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI-600 008.



Elevation



PROPOSED COMMERCIAL BUILDING AT SURVEY NO 318/1A/2A TS NO: 94, BLOCK NO: 7, RAJAJI STREET, TAMBARAM TALUK, KANCHEEPURAM DISTRICT. (G.O.M.S NO 1741 DATED 18-11-87)

JOB NO: 3298 DRG NO: 30 DWN: DHANAM
 SCALE: 1/8"=1'0" DATE: 12/7/89 CHD:

- SPECIFICATIONS**
- PCC work: PCC IN 1:4:8 CONCRETE
 - RCC WORK: RCC IN 12% CONCRETE MIX
 - BRICKWORK: STOCK BRICK IN CM 1:5
 - WOODWORK: WELL SEASONED WOOD
 - FLOORING: BLUE METAL CEMENT CONCRETE FINISHED WITH MOSAIC TILES
 - PAINTING: ONE COAT OF PRIMER TWO COATS OF SYNTHETIC ENAMEL FOR WOOD GRILL WORK 3 COATS OF CEMENT PAINT FOR PLASTERING SURFACE
 - PLASTERING: CEILING IN CM 1:3 WALL IN CM IN 1:5 CM
 - WEATHERING: 3/4 BRICK JELLY WITH LIME COURSE WELL BEATEN WITH KADUKKAI AND JAGGERY WATER FINISHED WITH ONE OF PRESSED TILES IN CM 1:4 MIXED WITH WASTE OIL

SCHEDULE OF JOINERY

SNO	DESCRIPTION	SIZE
MD	MAIN DOOR	6'0" x 7'0"
D	DOOR	3'0" x 7'0"
D1	"	2'6" x 7'0"
FW	FRENCH WINDOW	7'9" x 6'0"
FW1	"	8'0" x 6'0"
W	WINDOW	6'0" x 4'6"
W1	"	3'0" x 4'6"
V	VENTILATOR	3'0" x 2'0"

AREA STATEMENT

ITEM	AREA	SQFT	SQM
PLOT AREA	9329.37	100	867.01
BUILT UP AREA	507	5	46.7
GROUND FLOOR	4303.78	46	399.98
FIRST FLOOR	4303.78	46	399.98
TOTAL FLOOR AREA	7297.34	78	666.94
PLOT COVERAGE	46.13%		
F.S.I	1.38		

LEGEND

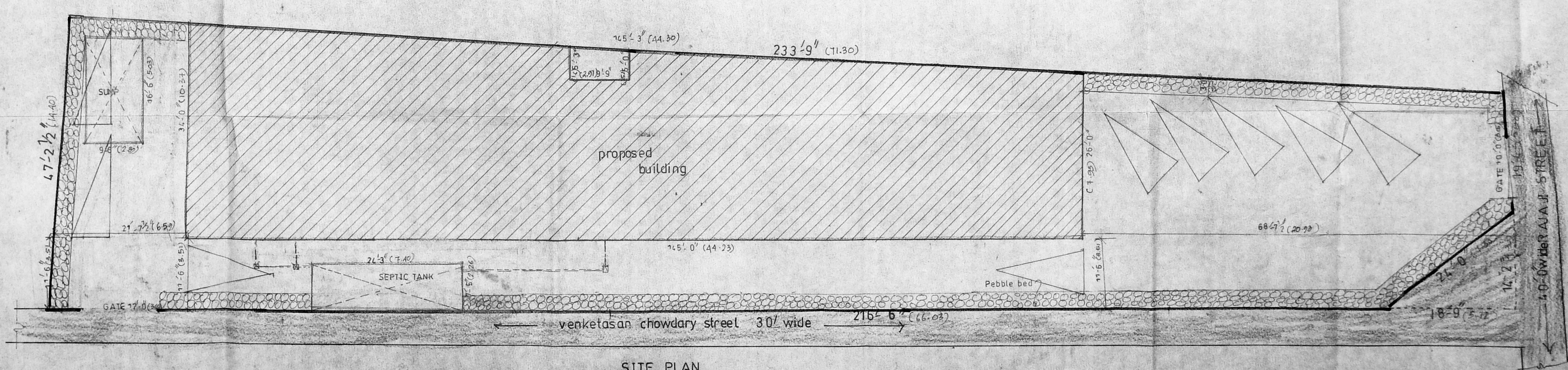
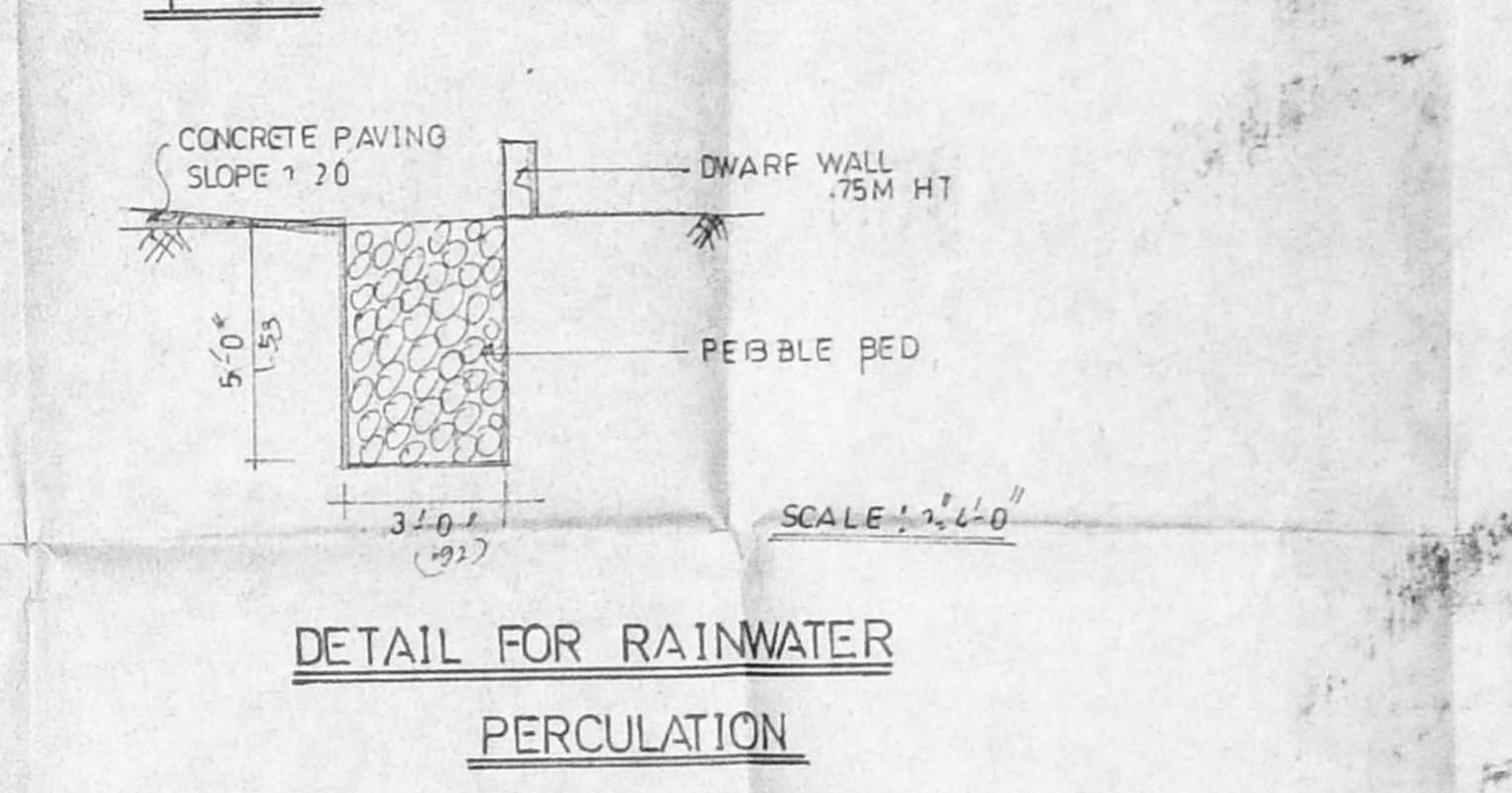
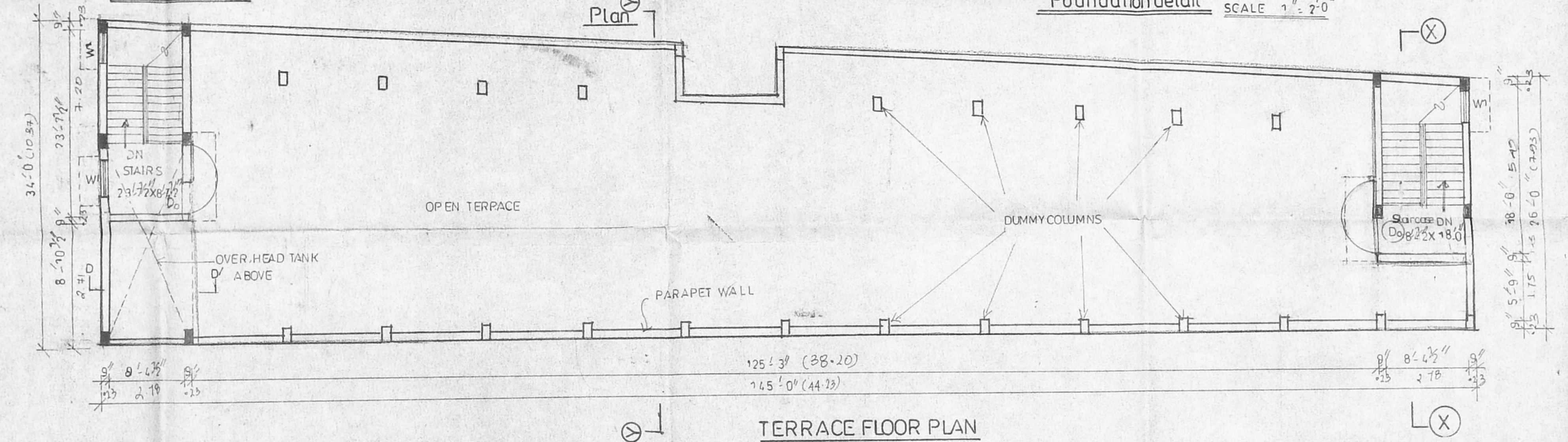
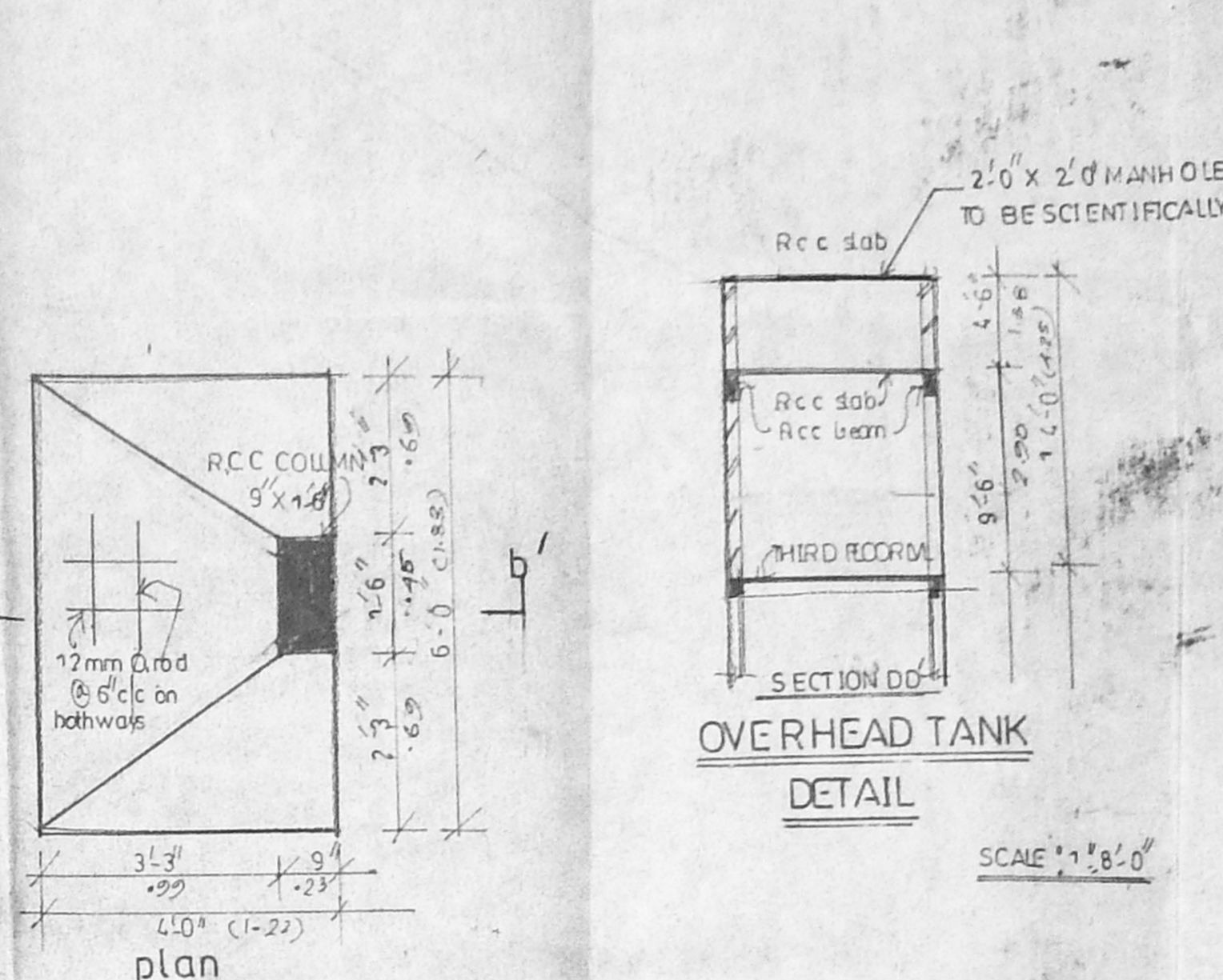
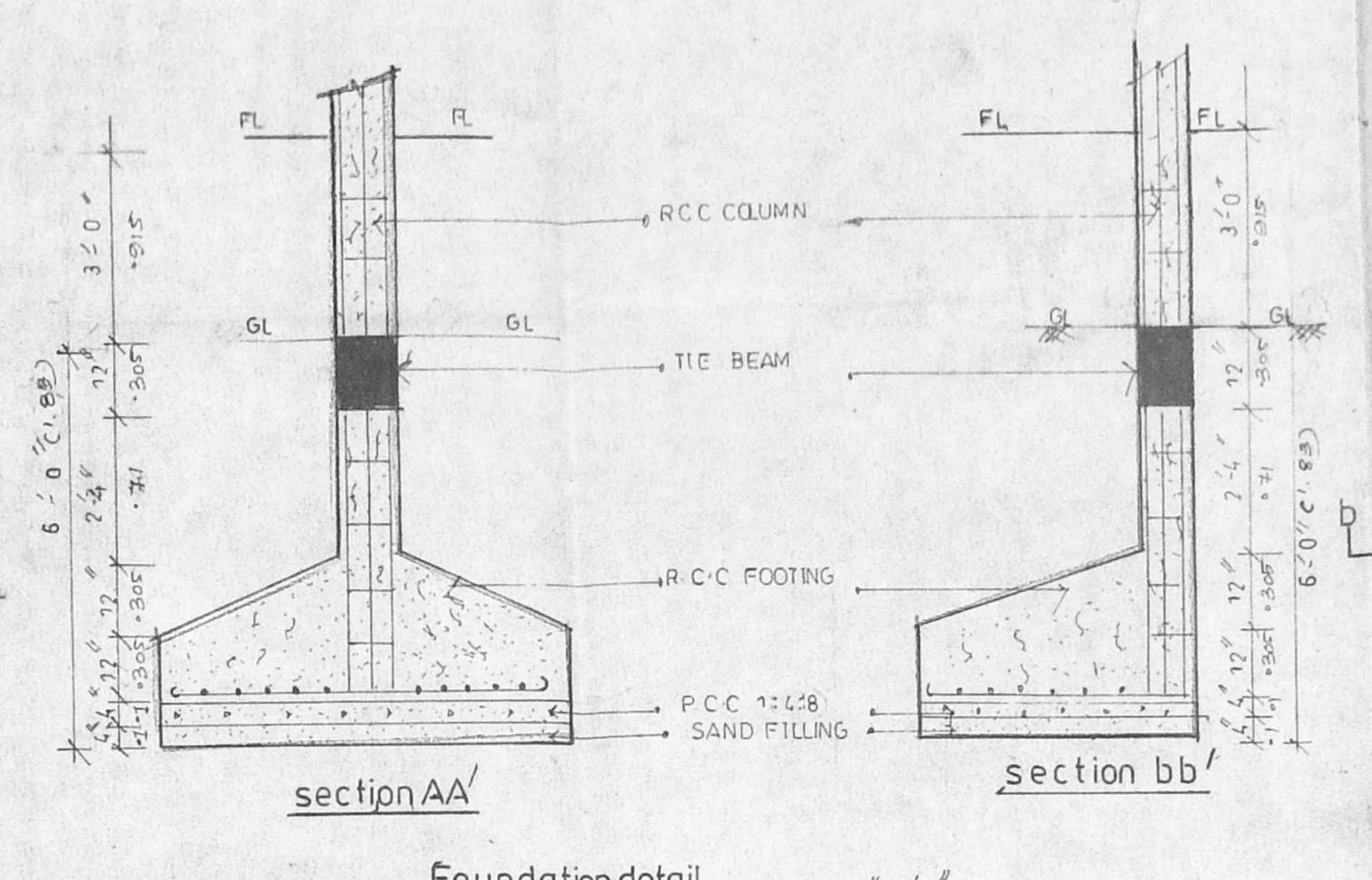
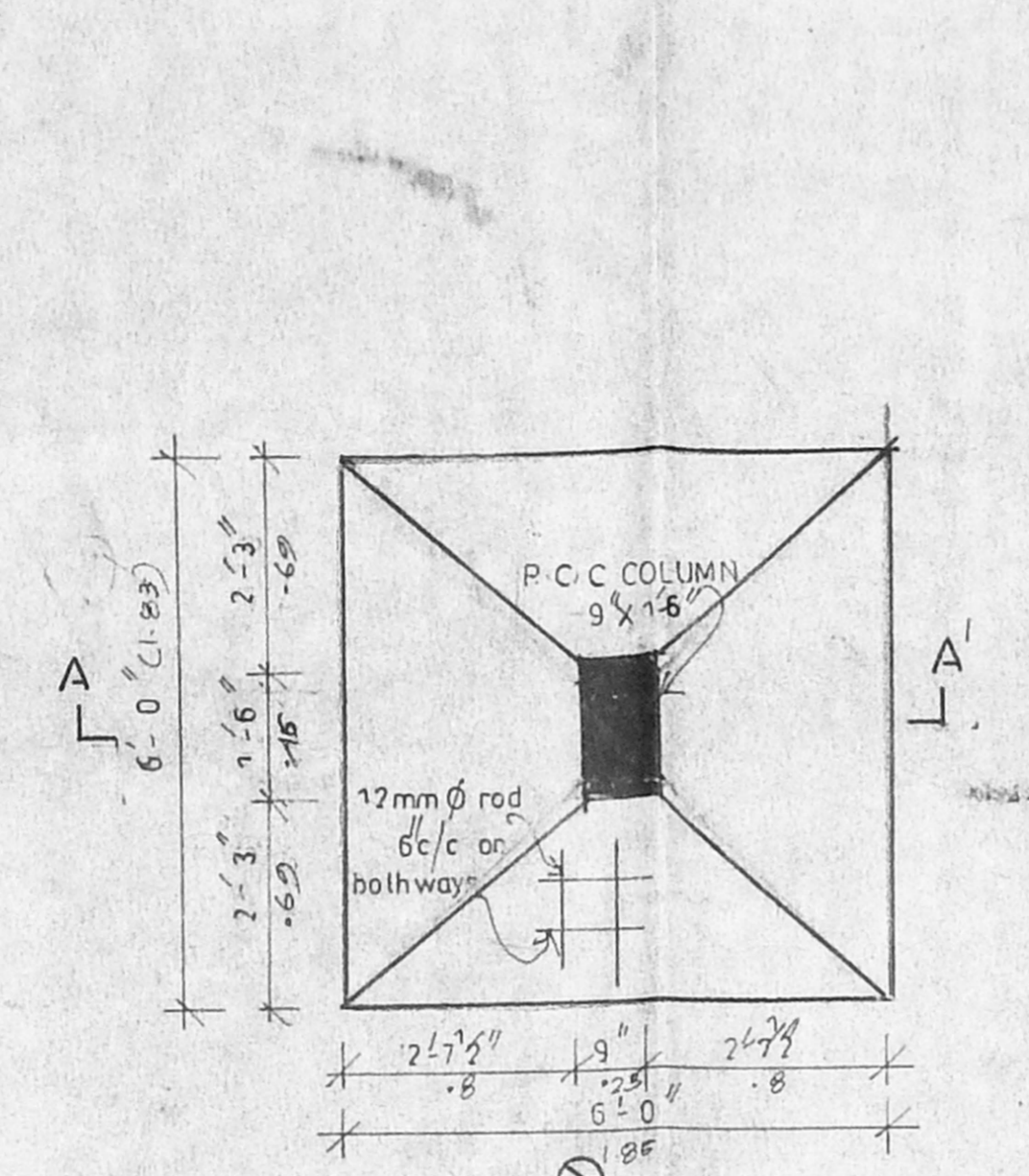
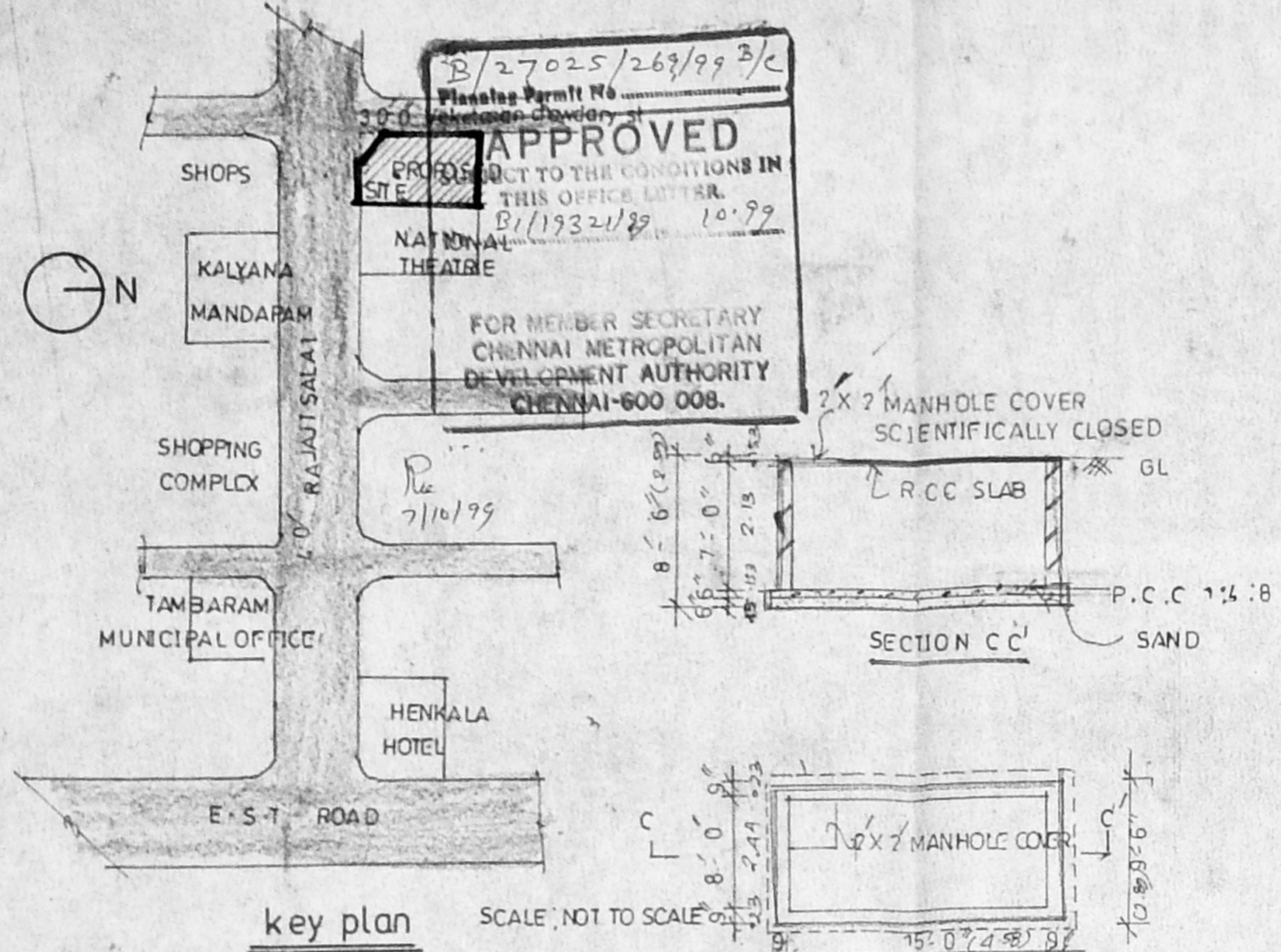
- PROPOSED
- DRAIN LINE
- BOUNDARY
- ROAD
- DEMOLITION

OWNER SIGNATURE
 [Signature]

LICENSED SURVEYOR
 [Signature]

PAPNI ASSOCIATES
 ARCHITECTS, ENGINEERS, INTERIORS DESIGNERS
 NO. 27, FIRST AVENUE, ASHOK NAGAR,
 CHENNAI 600 083 PH: 4891459, 4893030
 SRAJAPPA RAO ARCH. REG. NO. 63
 CHENNAI 600 083 PH: 4891459

S RAJAPPA ARCH. REG. NO. 63
 R PRIYA ARCH. REG. NO. 63



PROPOSED COMMERCIAL BUILDING AT SURVEY NO: 318/1A12A TS NO: 94, BLOCK NO: 7, RAJAJI STREET, TAMBARAM TA LUK, KANCHEEPURAM DISTRICT. (G.O.M.S NO:1741 DATED 18-11-87)

SPECIFICATION	
PCWORK	PCC IN 1:2:8 CONCRETE
RCC WORK	RCC IN 1:2:4 CONCRETE MIX
BRICKWORK	500K BRICK IN CM 1:5
WOOD WORK	WELL SEASONED WOOD
FLOORING	BLUE METAL CEMENT CONCRETE FINISHED WITH MOSAIC TILES
PAINTING	ONE COAT OF PRIMER TWO COATS OF SYNTHETIC ENAMEL FOR WOOD 3 COATS OF G.O.P.T. PAINT FOR PLASTERING SURFACE
PLASTERING	CEILING IN CM 1:3 WALL IN CM 1:5
WEATHERING COURSE	3/4" BRICK JELLY WITH LIME WELL BEATEN WITH KADUKKAI AND JAGGERY WATER FINISHED WITH PRESSED TILES IN CM 1:4 FINISHED WITH WASTE CL

SCHEDULE OF JOINERY			
REF	DESCRIPTION	SIZE IN FT	SIZE IN METRES
D ₀	DOOR	4'0" x 7'0"	1.22 x 2.14
W	WINDOW	6'0" x 4'6"	1.83 x 1.37
W ₁	"	3'0" x 6'6"	0.91 x 1.98

LEGEND			
PROPOSED	[Symbol]	ROAD	[Symbol]
DRAINLINE	[Symbol]	BOUNDARY	[Symbol]
DEMOLITION	[Symbol]		

AREA STATEMENT			
PLOT AREA	9329.37 SQFT	867.04 M ²	
BUILT UP AREA	50 FT	50 M	
GROUND FLOOR	1303.78	399.98	
FIRST FLOOR	1303.78	399.98	
SECOND FLOOR	1303.78	399.98	
TOTAL FLOOR AREA	12511.34	1199.94	
PLOT COVERAGE	1.38		

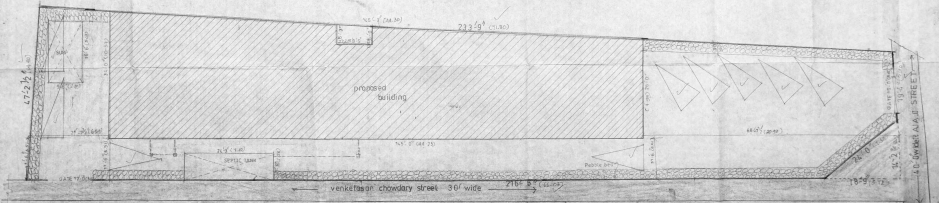
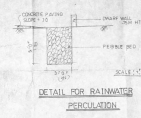
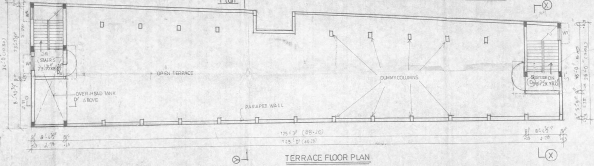
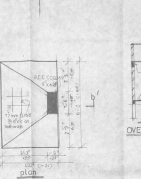
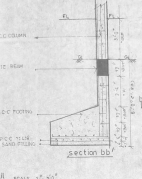
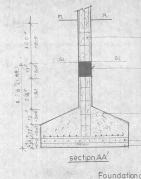
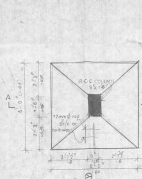
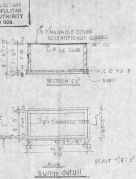
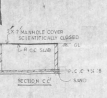
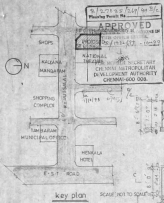
LICENSED SURVEYOR
 OWNER SIGNATURE
 [Signature]

JOB NO 32/98 DRG NO:11 DRN/DHANAM
 SCALE 1/80 DATE 14/9/99 CHD

PAPNI ASSOCIATES
 ARCHITECTS ENGINEERS INTERIORDESIGNERS
 NO 22 FIRST AVENUE A SHOK NAGAR
 CHENNAI 600 083 PH: 4891 459 4893 030

S. RAJAPPA ARCH. M.E. F.I.I.A. F.I.Y.
 Regd. Arch. No. 837483
 Co. Part. Lic. License No. 63
 No. 28 First Avenue, Shok Nagar
 Chennai-600 083 Phone: 489147

S. RAJAPPA ARCH. M.E. F.I.I.A. F.I.Y.
 R. PRIYA ARCH. M.A.I.A. A.I.D.



INDEXED PLAN
73
CMDA (D) No. 100/100/100
C.No. 100/100/100
Date: 18.11.87
R.A. 100/100/100

PROPOSED COMMERCIAL
BUILDING AT SURVEY NO: 311/1A/82A T.S. NO: 56
BLOCK: 7, RAJAJI STREET,
MAMBARAM TAUK,
KANCHI PURAM DISTRICT
(G.O.M.S. NO: 1241 DATED
18.11.87)
BK

SPECIFICATION

ROOFING	RCC IN 15% CONCRETE
RCC COLUMN	RCC IN 15% CONCRETE
ROOFING	WELL DRAINAGE
FLOORING	BLUE METAL CEMENT CONCRETE FINISHED WITH POLISHED TILES
WALLING	1/2" COATS OF BRICKS TWO COATS OF SYNTHETIC BRICKS FROM WINGS 3 COATS OF BRICKS FROM WALLS POLYURETHANE COAT
PLASTERING	LEADING BRICK 1/2" WALL 1/2" ON 1/2"
MEASURING	BY SQUARE FEET WITH ONE INCH WALL WITH ONE INCH WALL AND JACKETED WITH FINISHED WITH POLISHED TILES, 1/2" ON 1/2"
FINISH	1/2" FINISHED WITH WASTE

SCHEDULE OF JOINERY

SET	DESCRIPTION	QTY	UNIT	REMARKS
1	DOOR	1/2	NO	1/2" x 1/2"
2	WINDOW	1/2	NO	1/2" x 1/2"
3	W.C.	1/2	NO	1/2" x 1/2"

LEGEND

PROPOSED	ROAD	1/2"
PROPOSED	RAINWATER	1/2"
PROPOSED	DEMOLITION	1/2"

AREA STATEMENT

NO.	DESCRIPTION	AREA (SQ. FT.)	REMARKS
1	GROUND FLOOR	1351.78	1351.78
2	FIRST FLOOR	1351.78	1351.78
3	SECOND FLOOR	1351.78	1351.78
4	TOTAL BUILT-UP AREA	4055.34	4055.34
5	PERCENTAGE	14.42	
6	F.S.I.	28	

LICENSED SURVEYOR

OWNER SIGNATURE

NMA

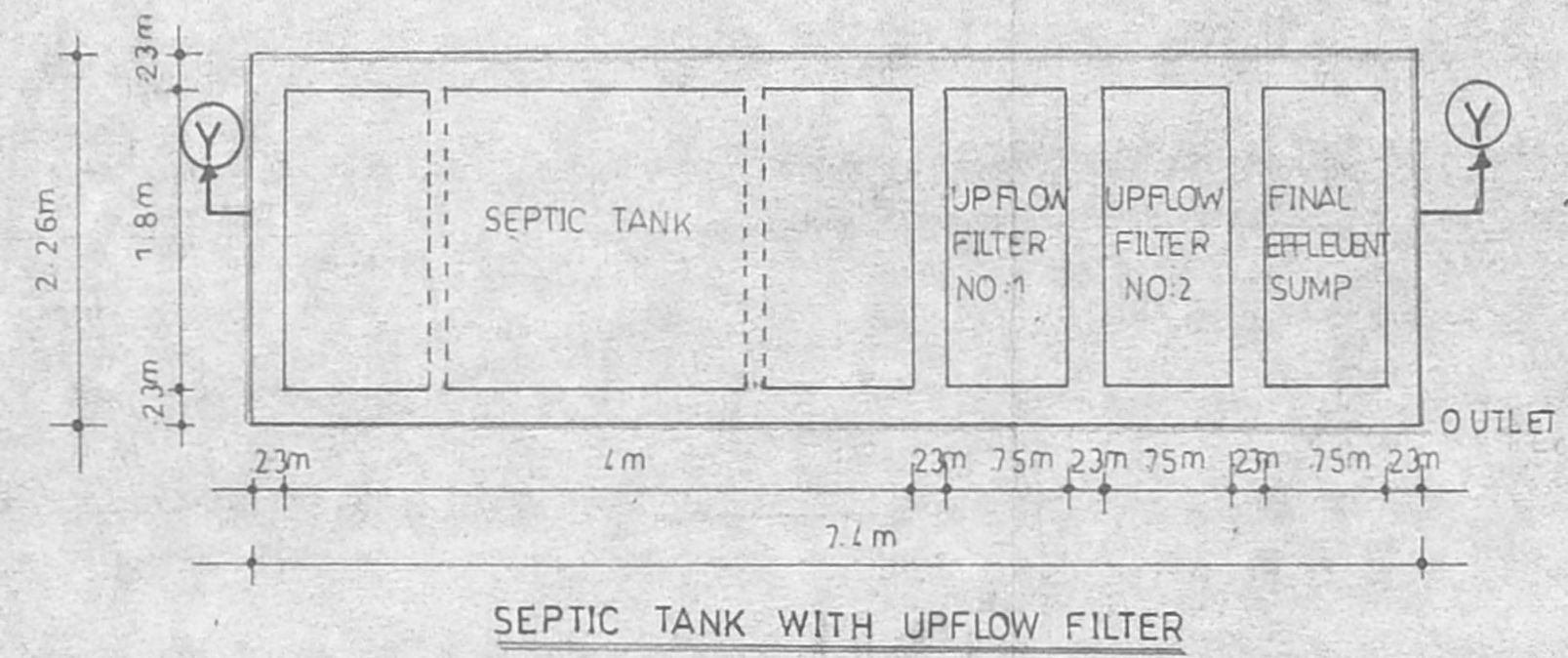
PREPARED BY: S. RAJAPPA
CHECKED BY: S. RAJAPPA
DATE: 18.11.87

S. RAJAPPA & ASSOCIATES
ARCHITECTS ENGINEERS INTERIORS
NO. 10, RAJAJI STREET, MAMBARAM TAUK,
CHENNAI 600 082

S. RAJAPPA & ASSOCIATES
ARCHITECTS ENGINEERS INTERIORS
NO. 10, RAJAJI STREET, MAMBARAM TAUK,
CHENNAI 600 082

S. RAJAPPA & ASSOCIATES
ARCHITECTS ENGINEERS INTERIORS
NO. 10, RAJAJI STREET, MAMBARAM TAUK,
CHENNAI 600 082

PLAN SHOWING THE PROPOSED SEPTICTANK WITH UPFLOW FILTER FOR PROPOSED COMMERCIAL BUILDING AT, SURVEY NO:318/1A1A2A T.S NO:94, BLOCK NO:7, RAJAJI STREET, TAMBARAM TALUK, KANCHEEPURAM DISTRICT, (G.O.M.S. NO:1741, DATED 18.11.87)



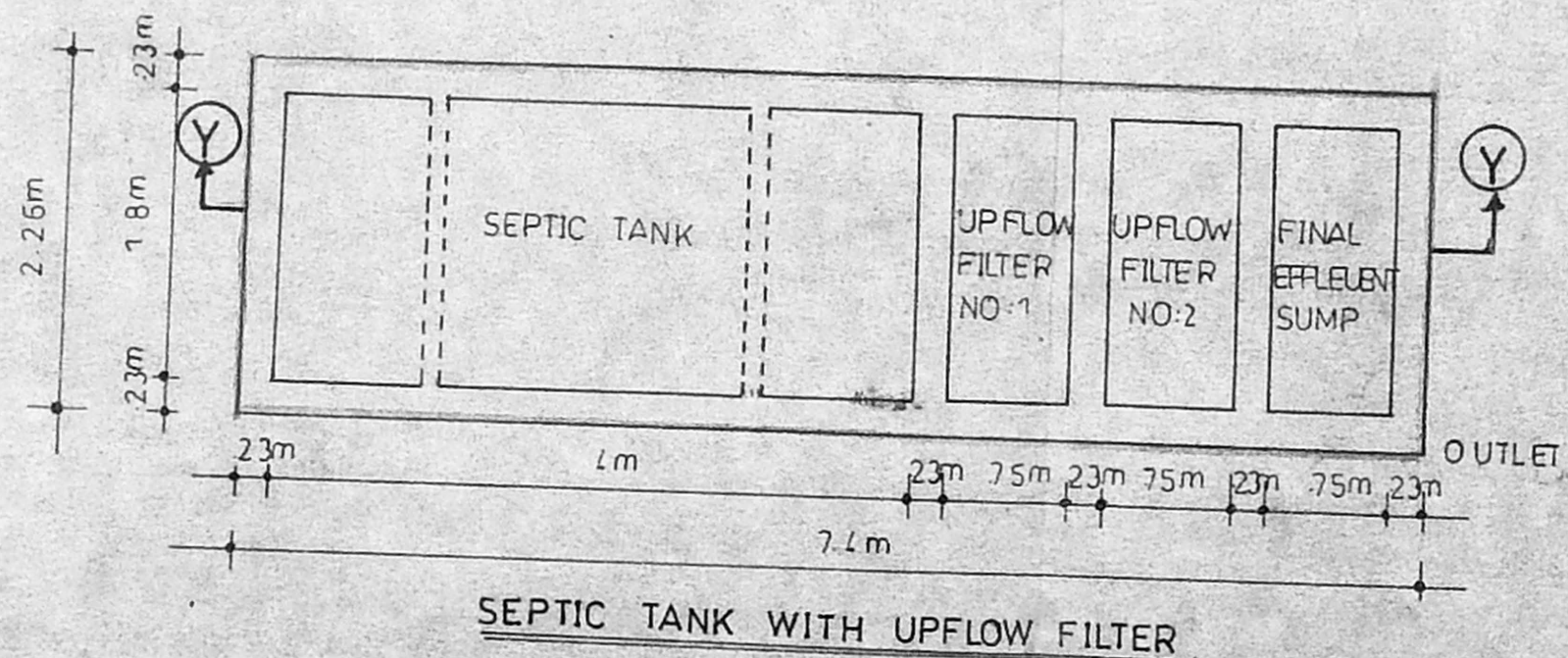
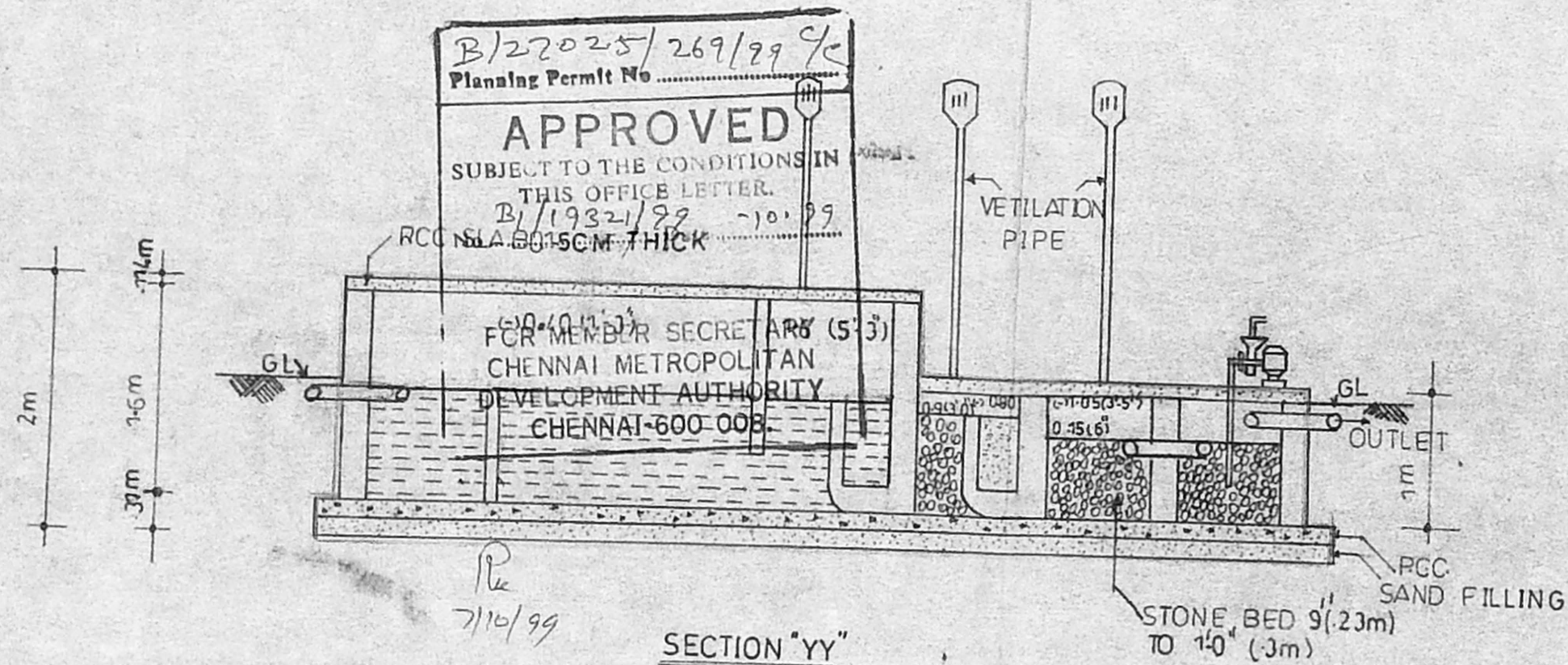
DESIGN OF SEPTICTANK WITH UPFLOW FILTER

NO OF UNIT AT 50m² EACH UNIT $\frac{1200}{50} = 24$ UNITS
 NO OF USERS 24 X 5 = 120 PERSONS
 RATE OF WATER SUPPLY IS 100 LPH/DAY (SINCE NO BATHING & WASHING INVOLVED)
 THEN FLOW OF SEWAGE PER DAY 120 X 100 = 12000LTS
 DETENTION PERIOD IS 13 YEARS
 TANK CAPACITY $\frac{12000 \times 13}{365} = 4246$ LITERS
 THE TANK IS TO BE CLEARED EVERY YEAR SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LTS. PER PERSON PER YEAR $120 \times 15 = 1800$ LITS
 TOTAL TANK CAPACITY 12000 LITS OR 13.2 m³
 WITH PROVISION FOR FUTURE EXPANSION LET THE TOTAL TANK CAPACITY 13200 LITS OR 13.2 m³
 DEPTH OF LIQUID AS 2 met.
 PLAN AREA OF THE TANK 13.2 / 2 = 6.6 m² SAY 6.6 m²
 LENGTH X BREADTH SAY 3.8m X 1.8m
 BREADTH OF TANK 1.8m
 LENGTH OF TANK 3.8m SAY 4m
 FREE BOARD OF THE TANK 0.25m
 TOTAL DEPTH OF THE TANK 1.50 + 0.50 = 2.00m
 PROVIDE ONE SEPTICTANK 4m X 1.8m
 THE SIZE OF UP FLOW FILTERS
 DISCHARGE FOR 250 PERSONS 250 X 100 = 25000 LITS
 VOLUME 250 X 0.075 = 18.75 m³
 DEPTH 1.00 - 0.25 = 0.75m
 PLAN AREA REQUIRED 18.75 / 0.75 = 25 m²
 SIZE OF FINAL EFFLEUNT SUMP 1.80 X 0.75 = 1.35 m²
 UP FLOW FILTER NO.1 1.80 X 0.75 X 1.00m
 UP FLOW FILTER NO.2 1.80 X 0.75 X 1.00m

DATE : 16.7.97	SCALE : 1:50	DRN : M. THILAGAM
JOB NO : 32/98	ORG NO : 12	C.K.D :
SIGNATURE OF OWNER <i>A. Chandra</i>		LICENCED SURVEYOR <i>M. Thilagam</i>

PAPNI ASSOCIATES
 ARCHITECTS, ENGINEERS, INTERIOR DESIGNERS.
 NO.22, FIRST AVENUE, ASHOKNAGAR,
 CHENNAI-600 083. PH: 4891459, 4893 030.
 S. RAJAPPA ARCH. M.E., F.I.I.A., F.I.V.
 R. PRIYA M. ARCH, A.L.I.A., A.I.I.D.

PLAN SHOWING THE PROPOSED SEPTICTANK WITH UPFLOW FILTER FOR PROPOSED COMMERCIAL BUILDING AT, SURVEY NO:318/1A1A2A T.S NO:94, BLOCK NO:7, RAJAJI STREET, TAMBARAM TALUK, KANCHEEPURAM DISTRICT, (G.O.M.S. NO:1741, DATED 18.11.87)



DESIGN OF SEPTICTANK WITH UPFLOW FILTER

NO OF UNIT AT 50m² EACH UNIT $\frac{1200}{50}$ 24 UNITS
 NO OF USERS 24 X 5 120 PERSONS
 RATE OF WATER SUPPLY IS 100 LPH/DAY (SINCE NO BATHING & WASHING INVOLVED)
 THEN FLOW OF SEWAGE PER DAY 120 X 100 = 12000LTS.
 DETENTION PERIOD IS 13 YEARS.
 TANK CAPACITY $\frac{120000}{13}$ = 6000 LITERS.
 THE TANK IS TO BE CLEARED EVERY YEAR SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LTS. PER PERSON PER YEAR 120 X 10 = 1200 LTS.
 TOTAL TANK CAPACITY 12000 + 1200 = 13200 LTS.
 WITH PROVISION FOR FUTURE EXPANSION LET THE TOTAL TANK CAPACITY 13200 LTS OR 13.2 m³.
 DEPTH OF LIQUID AS 2 met.
 PLAN AREA OF THE TANK $\frac{13.2}{2} = 6.6$ SAY 6.6 m².
 LENGTH X BREADTH SAY 6.6 m².
 BREADTH OF TANK 1.8 m.
 LENGTH OF TANK 3.8 m SAY 4 m.
 FREE BOARD OF THE TANK 0.25 m.
 TOTAL DEPTH OF THE TANK 1.50 + 0.50 = 2.00 m.
 PROVIDE ONE SEPTICTANK 4m X 1.8 m.
 THE SIZE OF UP FLOW FILTERS.
 DISCHARGE FOR 250 PERSONS 250 X 100 = 25000 LTS.
 VOLUME 250 X 0.045 = 11.23 m³.
 DEPTH 1.00 - 0.25 = 0.75 m.
 PLAN AREA REQUIRED $\frac{11.23}{0.75} = 15$ m².
 SIZE OF FINAL EFFLUENT SUMP 1.80 X 0.75 = 1.00 m.
 UP FLOW FILTER NO:1 1.80 X 0.75 X 1.00 m.
 UP FLOW FILTER NO:2 1.80 X 0.75 X 1.00 m.

DATE : 16.7.97	SCALE : 1:50	DRN : M. THILAGAM
JOB NO : 32/98	DRG NO : 12	C-K-D

SIGNATURE OF OWNER

A. Chandra

LICENCED SURVEYOR

PAPNI ASSOCIATES
 ARCHITECTS, ENGINEERS, INTERIOR DESIGNERS.
 NO.22, FIRST AVENUE, ASHOK NAGAR,
 CHENNAI - 600 083. PH: 4891459, 4893 030.

S. Rajappa
 S. RAJAPPA ARCH. M.E., F.I.I.A., F.I.I.
 Regd. Architect No. 83/7463
 Corporation Licence No. 63

S. RAJAPPA No. 22, First Avenue, Ashok Nagar, Chennai - 600 083. Ph: 4891459, 4893 030. F. I. V.
R. PRIYA M. ARCH, A. L. I. A., A. I. I. D.