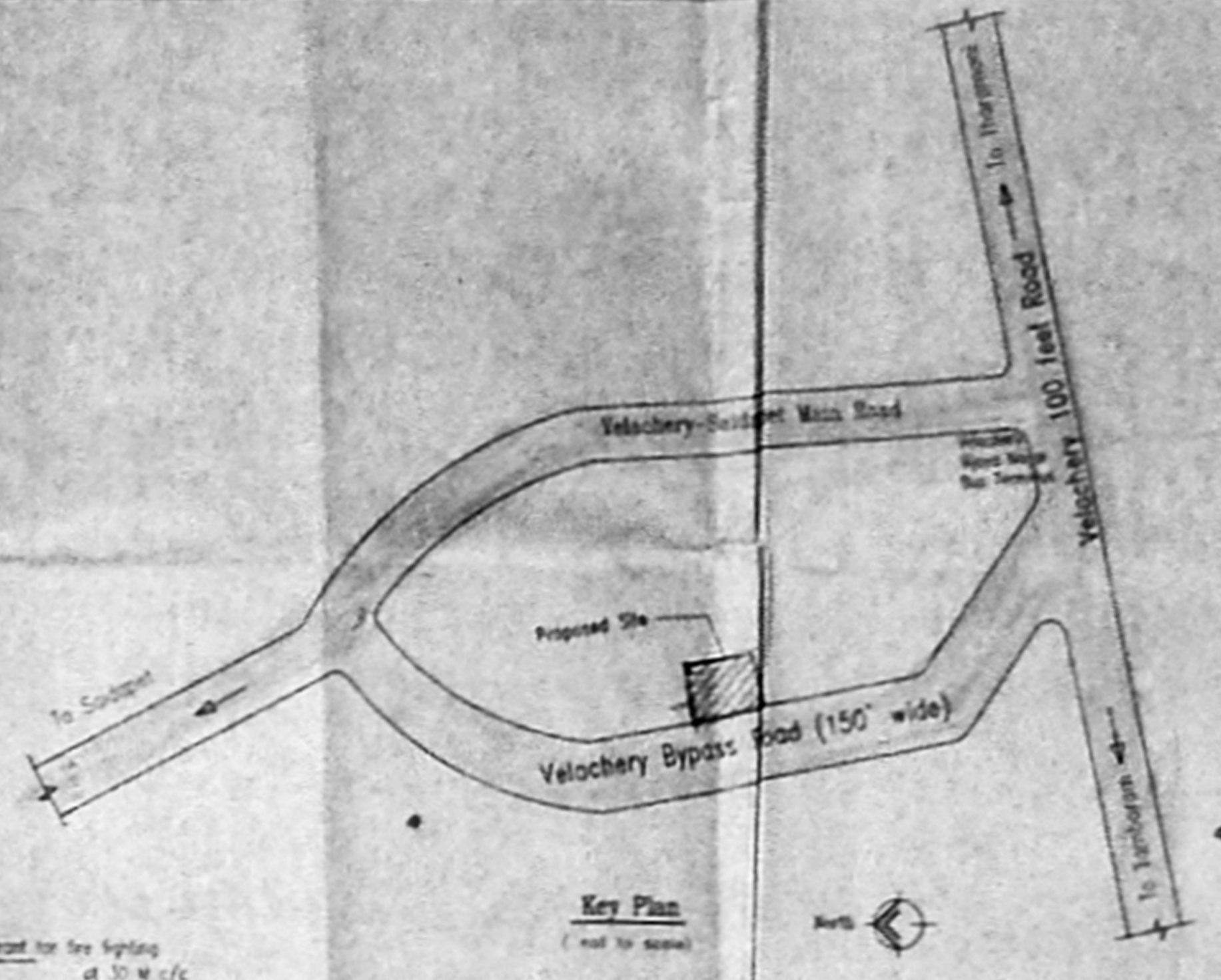
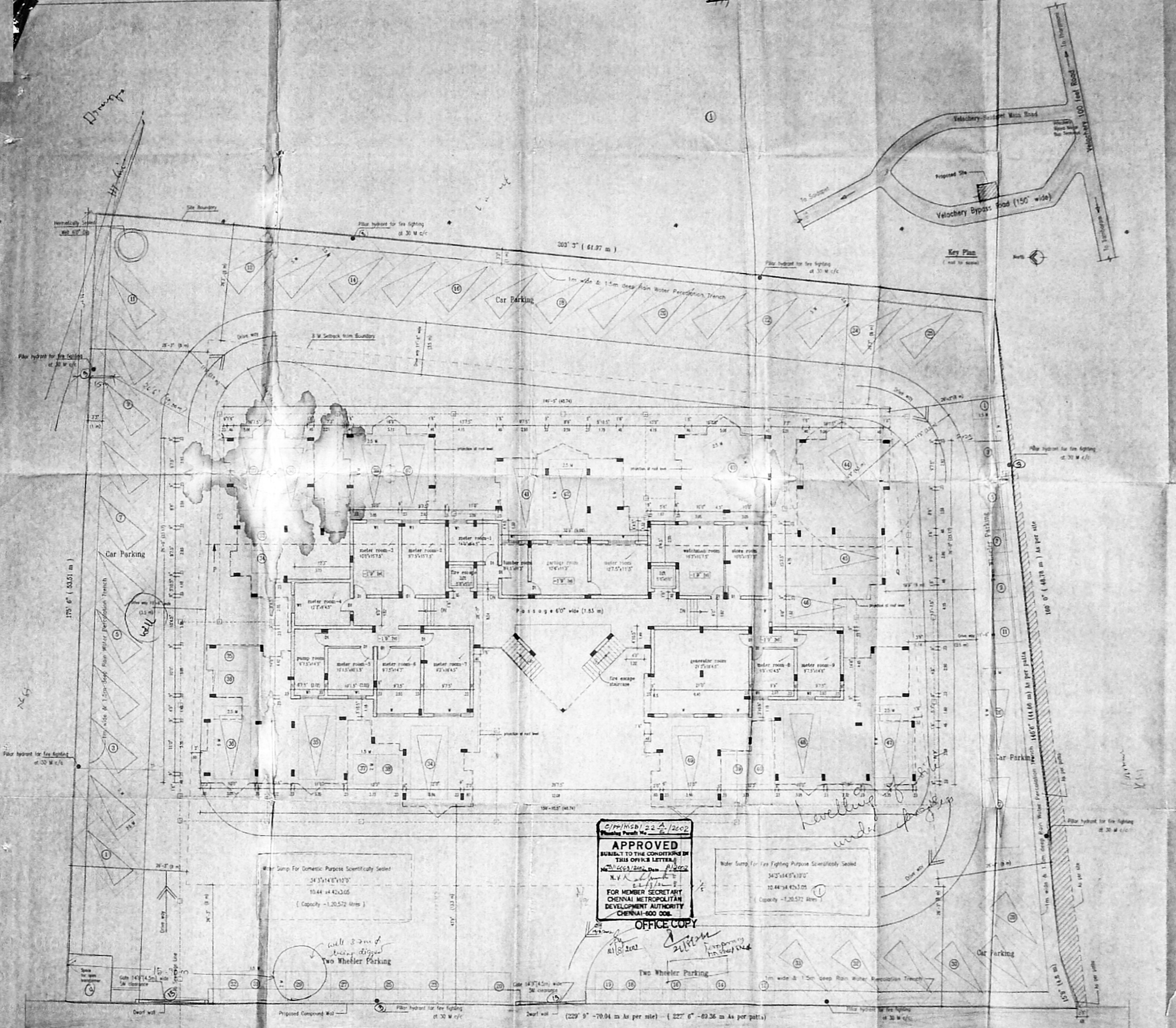


CMDA 'C' / PP No. 1
 C.No. 25/2008/2002
 Date: 04.7.2.2002
 Signature: [Signature]



Key Plan
(not to scale)



CIPRIMSD/22-A/2002
APPROVED
 SUBJECT TO THE CONDITIONS OF THIS OFFICE LETTER.
 N.V. [Signature]
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI-600 008.

OFFICE COPY

Water Sump For Domestic Purpose Scientifically Sealed
 24.3'x14.8'x10.0'
 10.44 x 4.2 x 3.05
 [Capacity - 1,20,572 litres]

Water Sump For Fire Fighting Purpose Scientifically Sealed
 34.2'x14.8'x10.0'
 10.44 x 4.2 x 3.05
 [Capacity - 1,20,572 litres]

Well 3.2m dia
 being dug
 Two Wheeler Parking

Two Wheeler Parking

VELACHERY BY-PASS ROAD (150' WIDE)

Site & Still Floor Plan

SCHEDULE OF WORKS

D1	Door	3'0" x 7'0"	2.00 x 2.13
D2	Window	2'6" x 7'0"	2.76 x 2.13
W	Window	6'0" x 4'0"	1.83 x 2.13
W1	do	4'0" x 4'0"	1.22 x 2.13
R/S	Rolling shutter	8'0" x 7'0"	2.44 x 2.13
V7	Ventilator	2'0" x 2'0"	0.60 x 0.60

CAR PARKING CHART

ONE CAR IS REQUIRED FOR EVERY FLOOR EXCEEDING - 15' up to (207 sq ft) TOTAL No. OF PLATS PROPOSED

No. OF PLATS EXCEEDING TO up to EACH FLOOR	No. OF PLATS NOT EXCEEDING TO up to EACH FLOOR
Plat - B - 105.45 sq ft (107.96 sq ft)	Plat - A - 777.24 sq ft (723.29 sq ft)
Plat - C - 535.25 sq ft (504.47 sq ft)	Plat - D - 700.24 sq ft (658.59 sq ft)
Plat - E - 305.27 sq ft (292.82 sq ft)	Plat - F - 888.24 sq ft (834.59 sq ft)
Plat - G - 854.24 sq ft (808.24 sq ft)	Plat - J - 788.24 sq ft (743.29 sq ft)
Plat - H - 100.24 sq ft (95.24 sq ft)	

4 PLATS FOR PLATS A & F PLATS (total) = 14
 4 PLATS FOR PLATS B & J PLATS (total) = 14
 CAR PARKING PROVIDED = 28

PROPOSED RESIDENTIAL FLATS AT VELACHERY
 BY-PASS ROAD BEARING S.No. 382/1C, 2C
 OF N.O. 137, VELACHERY VILLAGE
 MAMBALAM GUINDY TALUK,
 CHENNAI DISTRICT

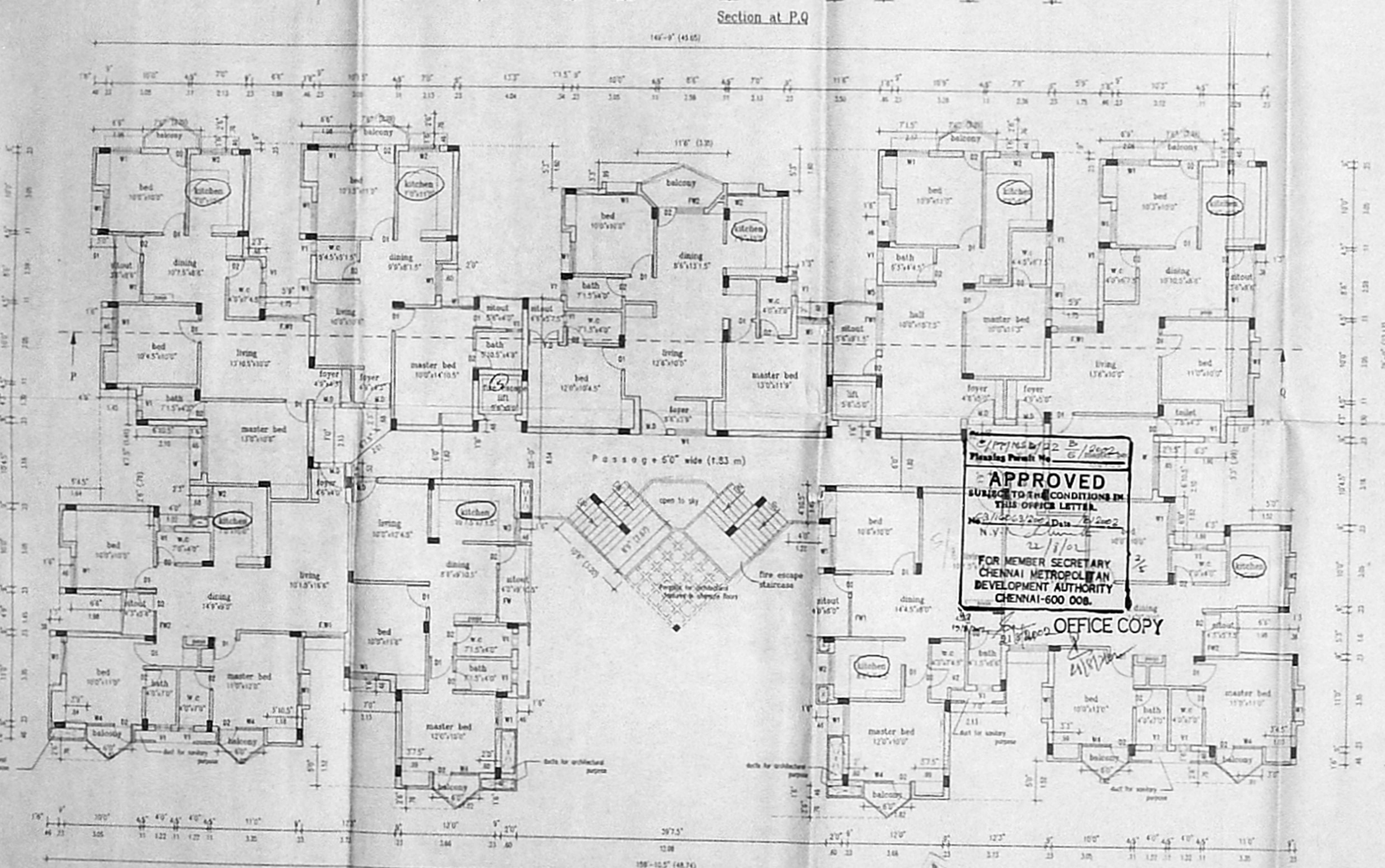
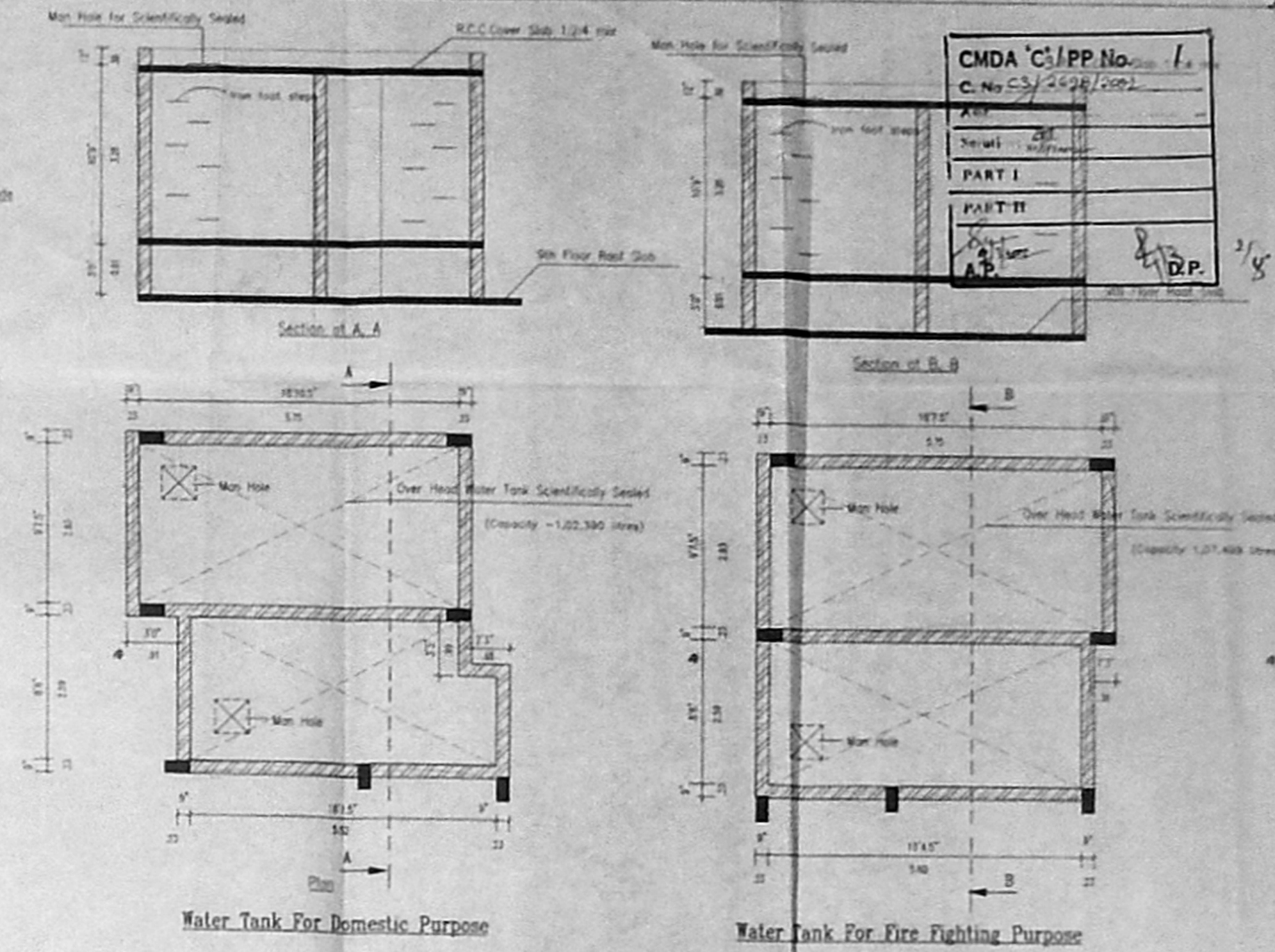
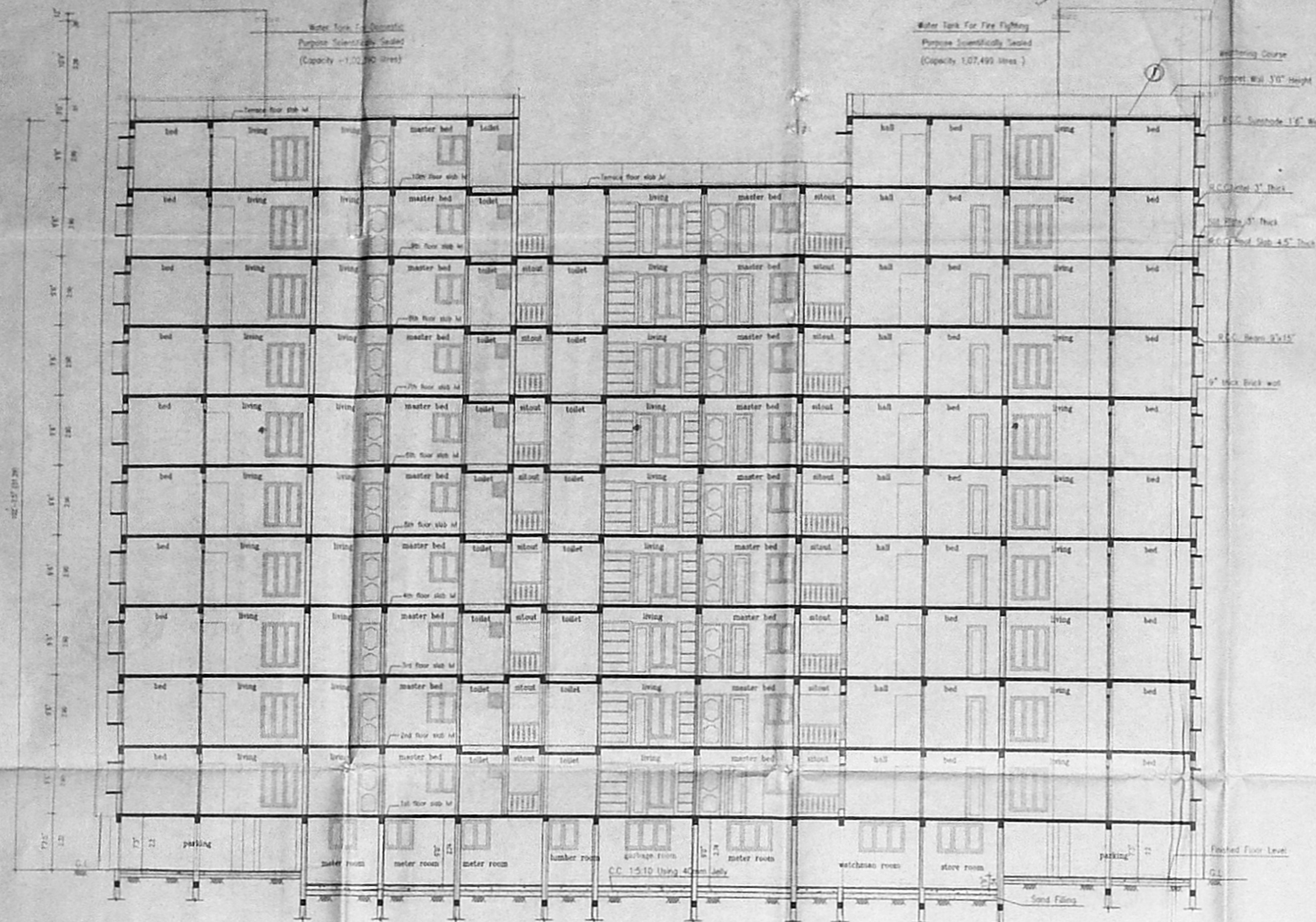
COLOUR CODE	PLAT	SQM
1. PLAT A	777.24	308.56
2. PLAT B	105.45	407.24
3. BEST-UP AREA PROPOSED		
(a) 1ST FLOOR PLAT CASE, PASSAGE & LIFT	66.54	40.20
(b) 2ND FLOOR	102.24	40.45
(c) 3RD FLOOR	102.24	40.45
(d) 4TH FLOOR	102.24	40.45
(e) 5TH FLOOR	102.24	40.45
(f) 6TH FLOOR	102.24	40.45
(g) 7TH FLOOR	102.24	40.45
(h) 8TH FLOOR	102.24	40.45
(i) 9TH FLOOR	102.24	40.45
(j) 10TH FLOOR	102.24	40.45
4. TOTAL BEST-UP AREA	1022.24	402.24
5. Water pump, pump house, boiler room, etc.	388.24	388.24
6. F.F.I. PROPOSED = 2.49		
7. PLAT COVERAGE = 30.20%		

REFERENCE	COLOUR CODE
SCALE 1" = 8'	PROPOSED WORK
DATE 1.5.2002	ROAD
DRAWN BY	STRUCTURE
DESIGNED BY	
CHK BY: P.P.	
DATE: 8.8.2002	

ALEX JACOB
 M.E., M.Tech., Dip. Nuc. Sc., M.T.E., IAS
 CONSULTING ENGINEER
 12, MAIN ROAD, GUINDY VILLAGE,
 MADRAS-600 070

Senthil Kumar
 S. SENTHILKUMAR, B.E., A.I.A.
 Architectural Architect-CAP/19/1997
 Council of Architecture
 Chennai-600 008
 (Registration No. 110)

NAME & ADDRESS OF REGISTERED ARCHITECT
 S. SENTHILKUMAR
 C-1, BEHAR APARTMENTS,
 NO. 10, SOUTH CROSS ROAD, STREET,
 MAMBALAM,
 CHENNAI - 600 008
 Floor: 4/2 to 4/3

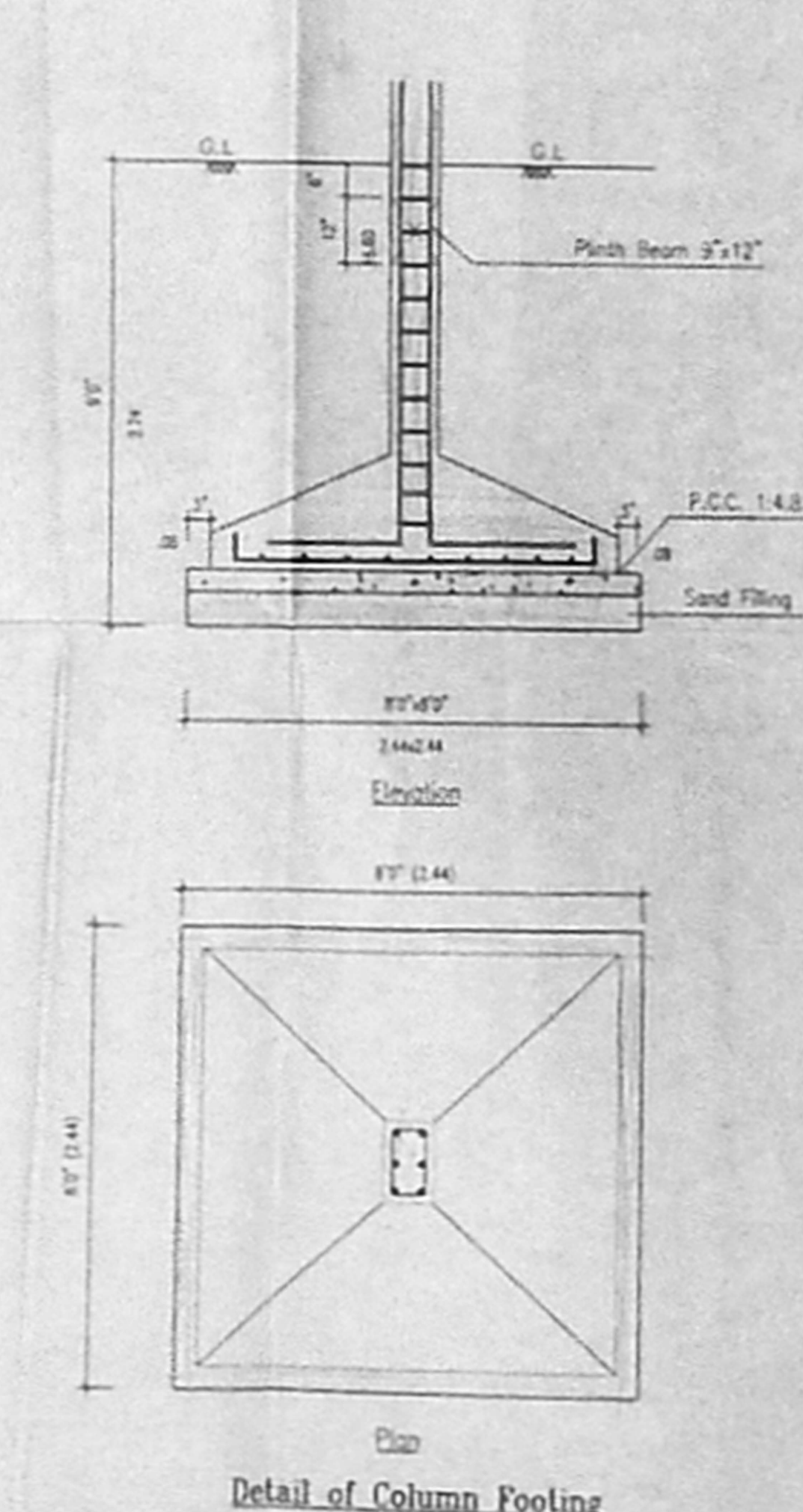


SPECIFICATIONS

- THE BUILDING SHALL BE CONSTRUCTED OF RCC FRAMED STRUCTURE WITH 6" BRICK MASONRY WALLS FOR EXTERIOR AND 4.5" BRICK MASONRY WALLS FOR INTERIOR.
- ALL EXPOSED CONCRETE SHALL BE PLASTERED IN CEMENT MORTAR 1:2 AND ALL BRICK SURFACE IN CEMENT MORTAR 1:4.
- THE FLOORING SHALL BE Laid WITH HYDRAULICALLY PREPARED CEMENT WOODEN TILES AND MASONRY FINISHED.
- THE WEATHERING COURSE SHALL BE Laid TO RAISE IN 60% TILT LINE CORNER JOINTS SHALL BE PROTECTED WITH ONE COURSE OF GLAZING TILES.

SCHEDULE OF JOINERY

NO.	DESCRIPTION	SIZE	QTY
M0	Main door	3'6" x 7'0"	1.07 x 2.13
D1	Door	3'0" x 7'0"	0.90 x 2.13
D2	do	2'6" x 7'0"	0.76 x 2.13
W	Window	6'0" x 4'0"	1.82 x 2.22
W1	do	4'0" x 4'0"	1.22 x 2.22
W2	do	4'0" x 3'0"	1.22 x 1.07
W3	do	3'0" x 3'0"	0.90 x 0.90
W4	do	3'6" x 4'0"	1.07 x 2.22
W5	do	2'3" x 4'0"	0.68 x 2.22
F.D	French door	4'0" x 7'0"	1.22 x 2.13
F.W	French window	6'0" x 6'0"	1.82 x 1.82
F.W1	do	5'0" x 6'0"	1.52 x 1.82
F.W2	do	3'0" x 6'0"	0.91 x 1.82
V1	Ventilator	2'0" x 2'0"	0.60 x 0.60
V2	do	1'8" x 2'0"	0.53 x 0.60



APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI-600 008.

PROJECT TITLE
PROPOSED RESIDENTIAL FLATS AT VELACHERY
BY-PASS ROAD BEARING S.No. 382/1C, 2C
OF No. 137, VELACHERY VILLAGE
MAMBALAM GUNDIY TALKU,
CHENNAI DISTRICT

REFERENCE
SCALE 1" = 8'0"
DATE 18.05.01
DRC No. 41
JOB No. P11
DRAWN M. JAYARAM

COLOR INDEX
PROPOSED WORK
ROAD
BOUNDARY

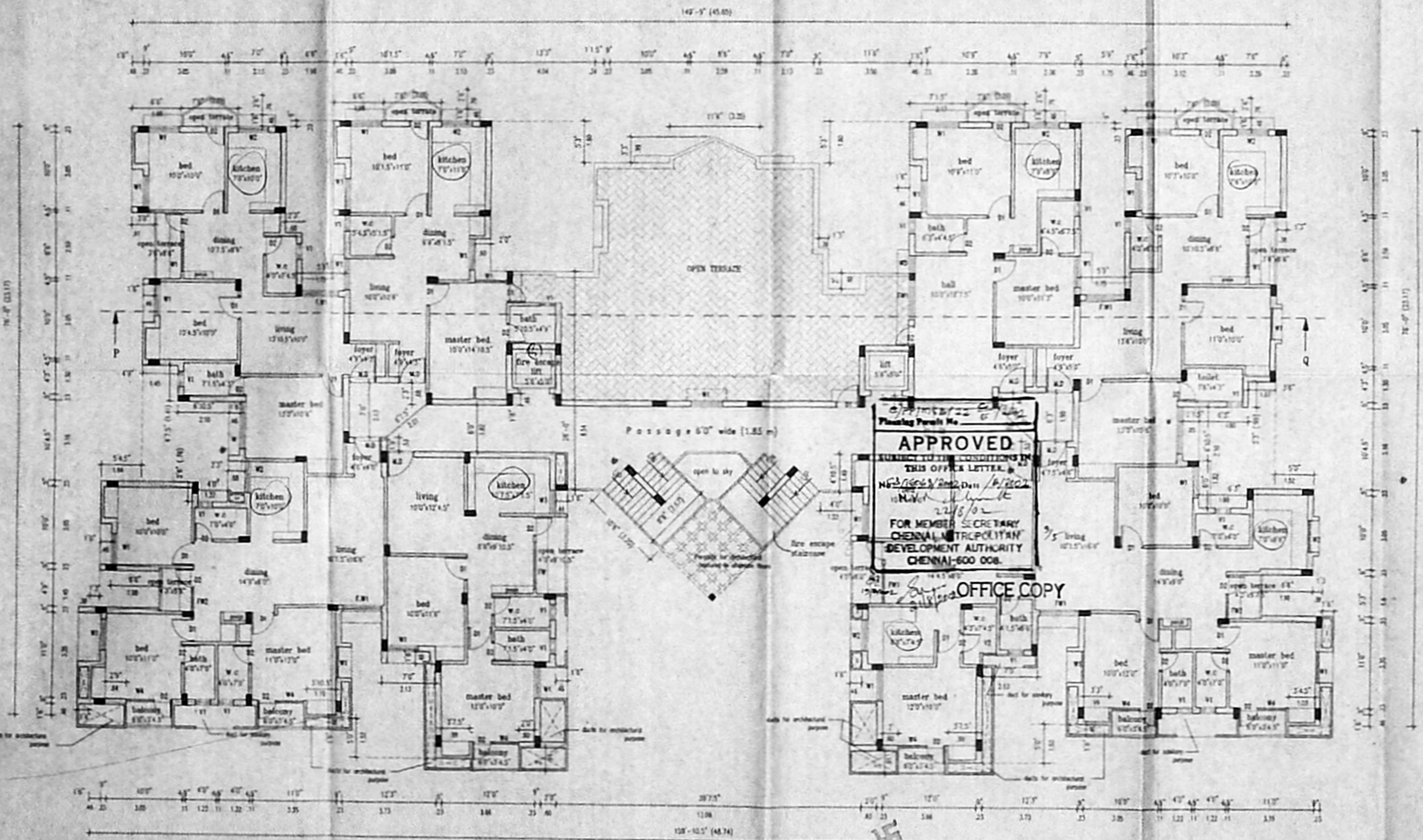
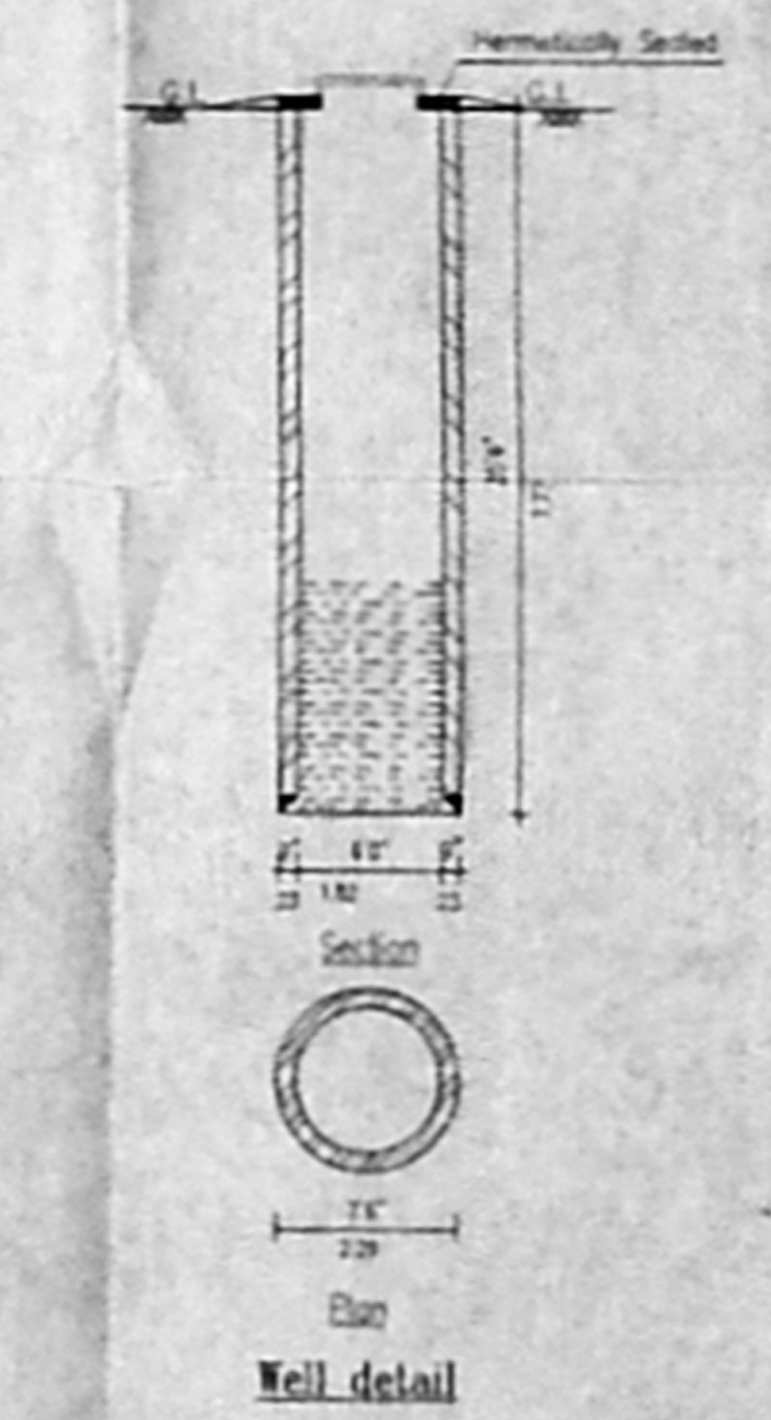
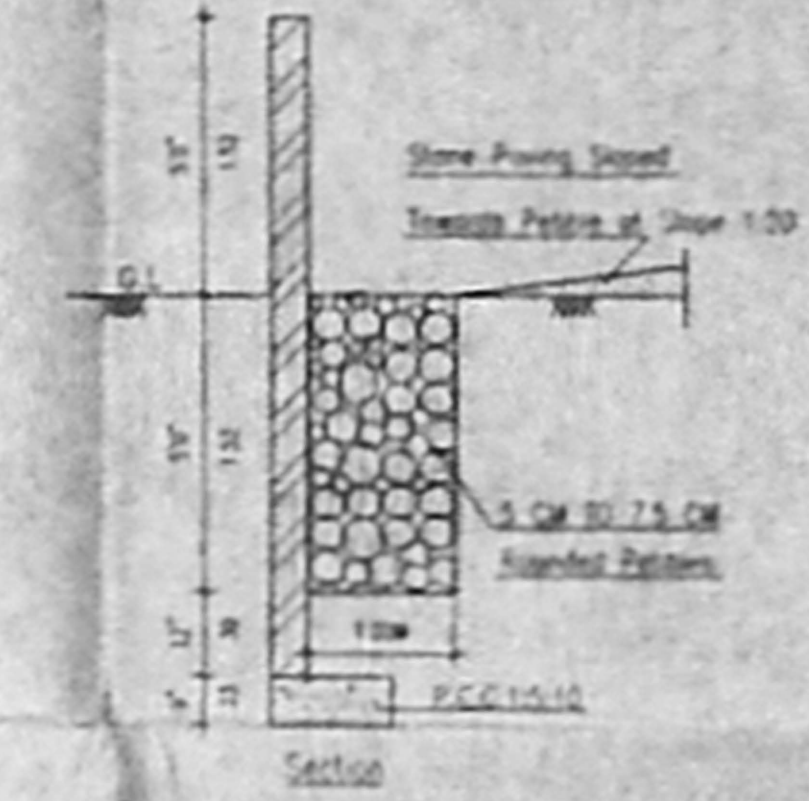
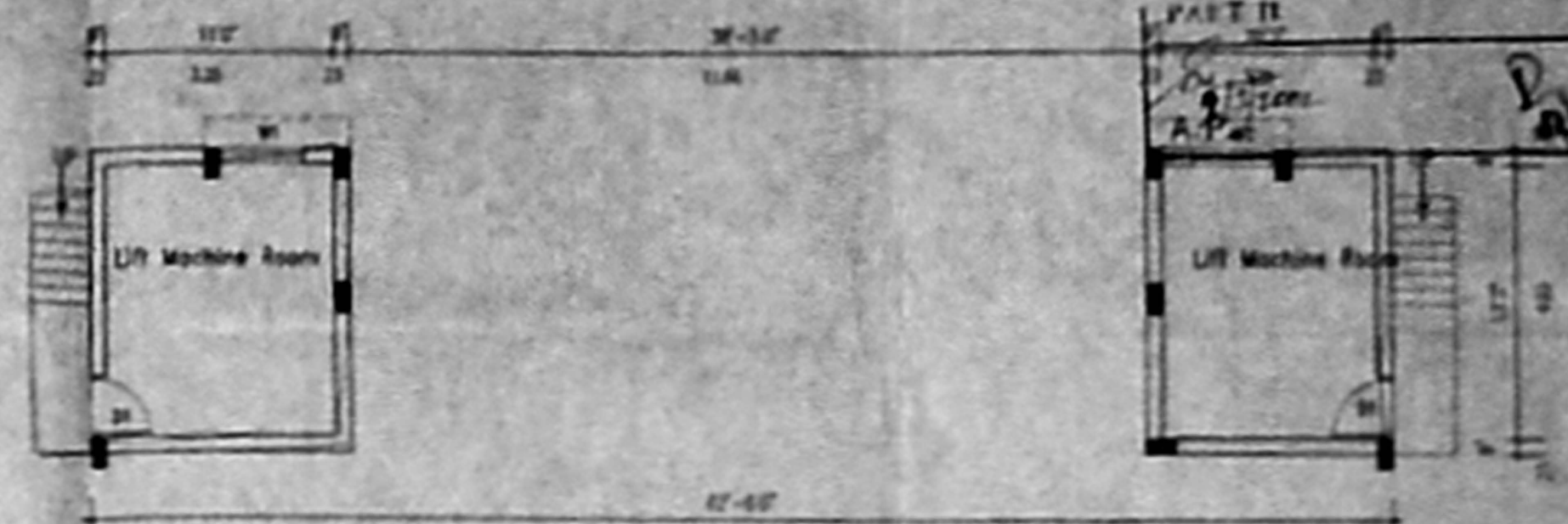
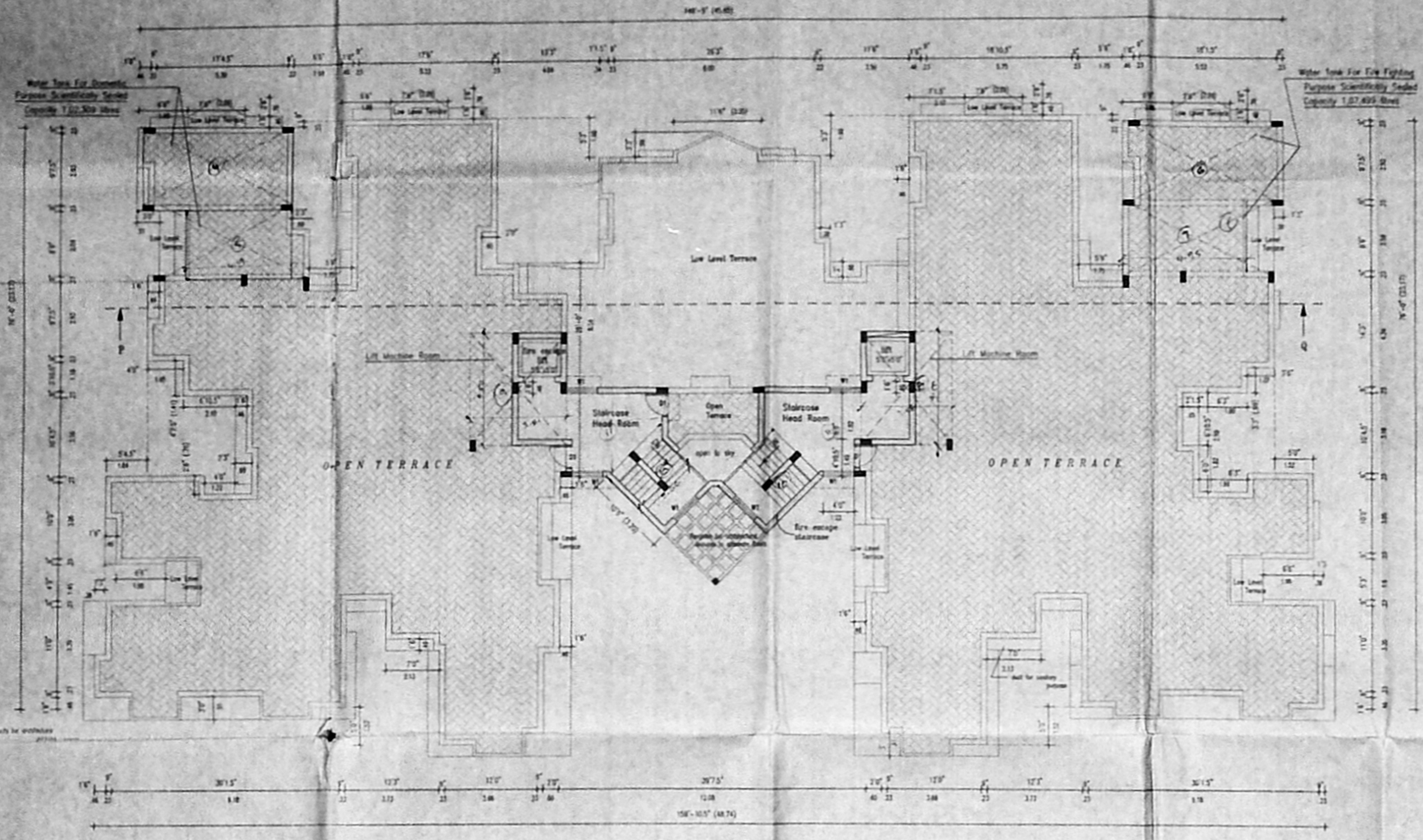
SIGNATURE OF OWNER
[Signature]

SIGNATURE OF STRUCTURAL ENGINEER
[Signature]
ALEX JACOB
M.E. (Struct. Engg.)
CONSULTING ENGINEER
MADRAS-600 008.

SIGNATURE OF REGISTERED ARCHITECT
[Signature]
B. SENTHILKUMAR
Registered Architect
Council of Architects
MADRAS-600 008.

NAME & ADDRESS OF REGISTERED ARCHITECT
S SENTHILKUMAR
C-1 PRANAY APARTMENTS,
NO. 24, SOUTH OREN HILL STREET,
VADAPALAY,
CHENNAI-600 025
Phone 472 74 87

SHEET NO.
2



APPROVED
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI-600 008.

- SPECIFICATIONS**
- THE BUILDING SHALL BE CONSTRUCTED OF RCC FRAMED STRUCTURE WITH STRENGTHENED WALLS FOR EXTERIOR AND 4.5" BRICK MASONRY WALLS FOR INTERIOR.
 - ALL EXPOSED CONCRETE SHALL BE FINISHED IN GRANT WHITE 1: 2 AND ALL BRICK SURFACE IN GRANT WHITE 1: 1.
 - THE FLOORING SHALL BE Laid WITH HYDRAULICALLY FINISHED GRANT WHITE TILES AND MACHINE FINISHED.
 - THE WEATHERING COVER SHALL BE Laid TO SLOPE IN BRICK 1:1:2. CONCRETE AVERAGE 4.5" THICK AND FINISHED WITH ONE LAYER OF GRANT WHITE PAINT.

SCHEDULE OF QUANTITIES

NO	Item	Quantity	Rate	Amount
D1	Door	30'x7'0"	0.076225	
D2	do	30'x7'0"	0.062113	
W	Window	6'0"x4'0"	0.761222	
W1	do	4'0"x4'0"	1.221122	
W2	do	4'0"x4'0"	1.211122	
W3	do	3'0"x3'0"	0.901122	
W4	do	3'0"x4'0"	1.071122	
W5	do	2'3"x4'0"	0.881122	
F.W	French window	6'0"x8'0"	1.821122	
F.W1	do	5'0"x8'0"	1.521122	
F.W2	do	3'0"x4'0"	0.911122	
V1	Ventilator	2'0"x2'0"	0.601122	
V2	do	1'6"x2'0"	0.551122	

PROJECT TITLE
PROPOSED RESIDENTIAL FLATS AT VELACHERY
BY-PASS ROAD BEARING S.No. 382/1C, 2C
OF No. 137, VELACHERY VILLAGE
MAMBALAM GUNDI TALUK,
CHENNAI DISTRICT

REFERENCE

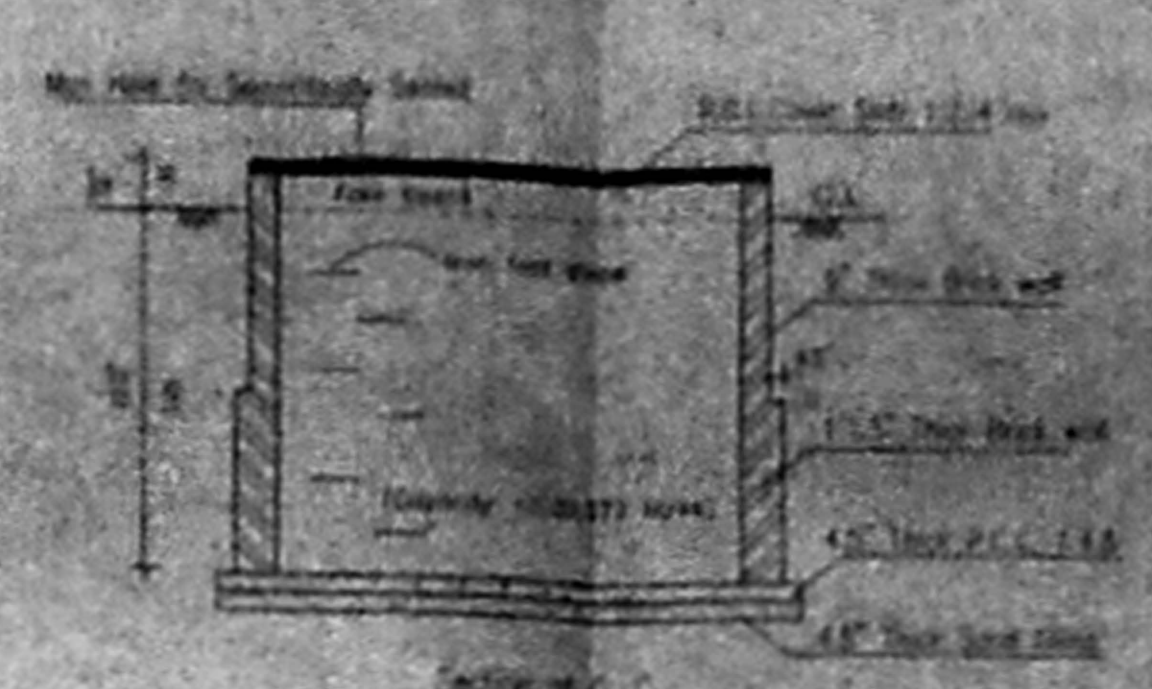
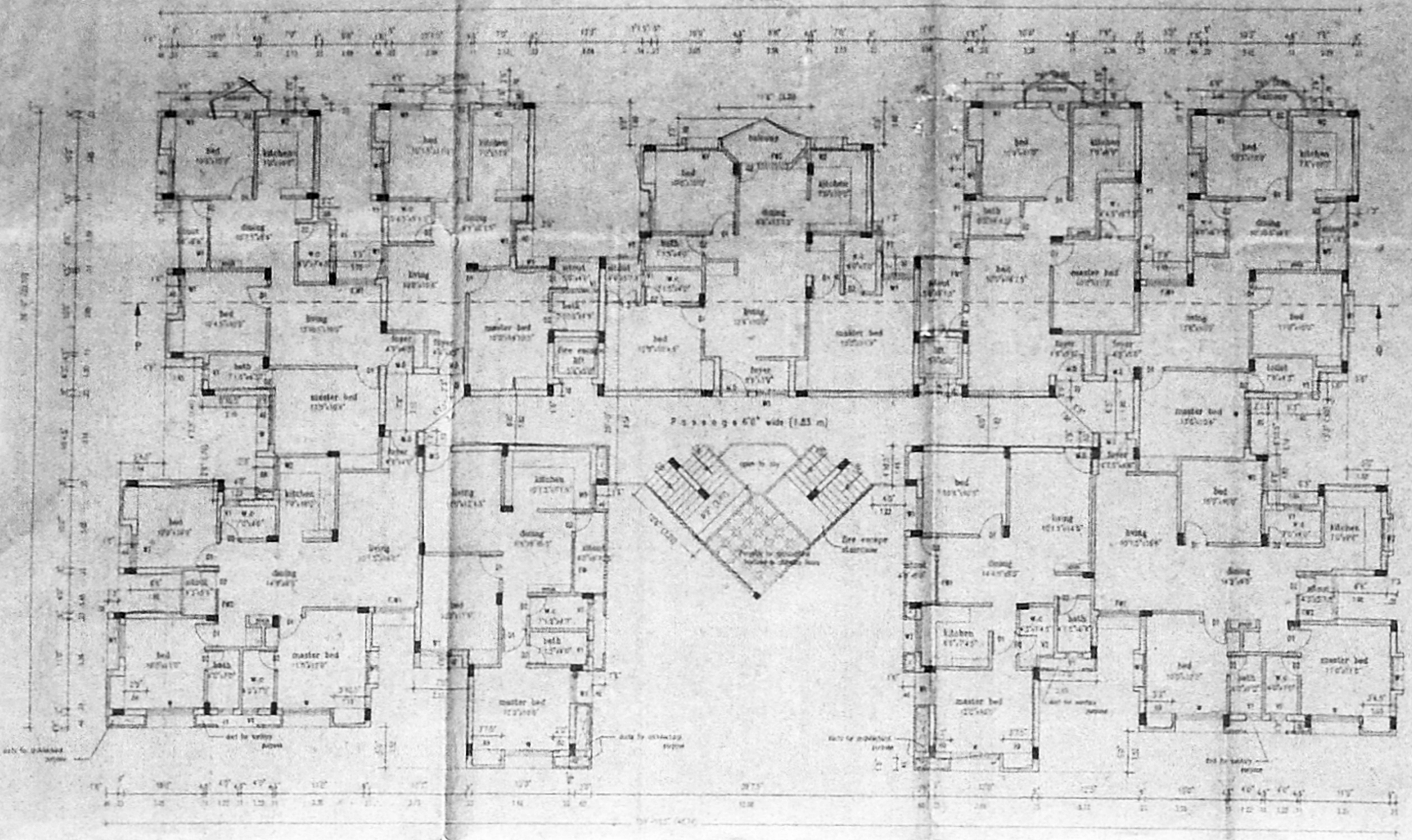
SCALE	DATE	NO. NO.	JOB NO.	DATE
1" = 8'	10.05.08	AL	171	10/05/08

SIGNATURE OF OWNER
[Signature]

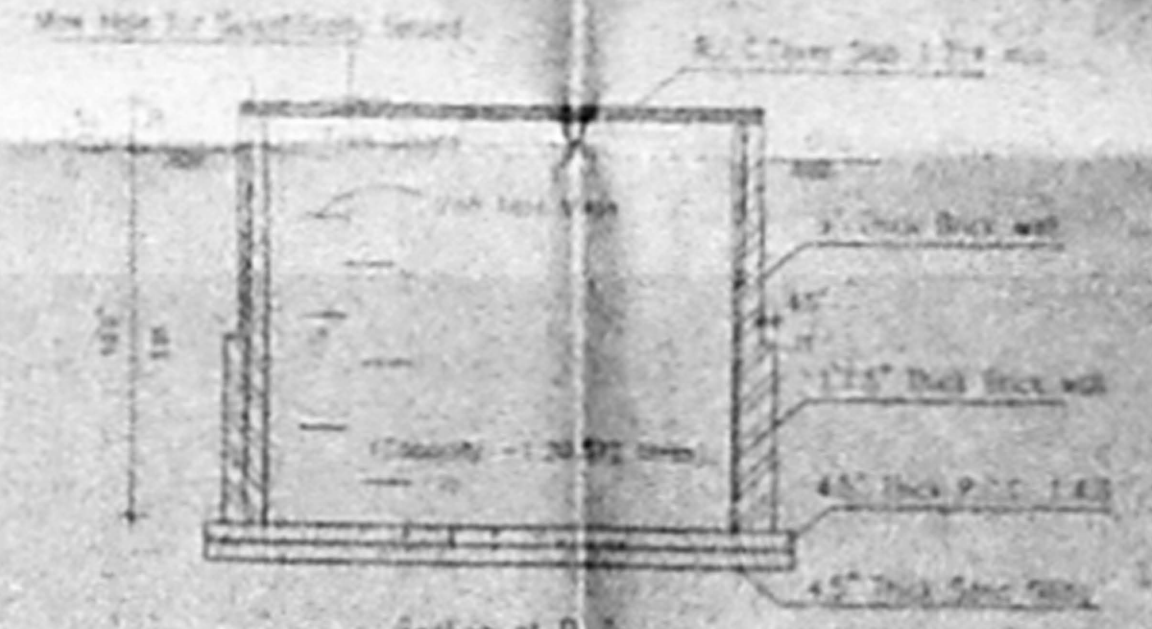
SIGNATURE OF REGISTERED ENGINEER
[Signature]
ALEX JACOB
A.E.M. THIRU, P.O. Box No. 412, Anna
CONSULTING ENGINEER
A, MARR ROAD, ALAMBETHA COLONY
MADRAS-600 008.

SIGNATURE OF REGISTERED ARCHITECT
[Signature]
S. SETHILAKSHMI, S.E.A.I.A.
Registered Architect-CA/171770
Council of Architects
Licensed Surveyor-S.A. 118
Bangalore of Madras.

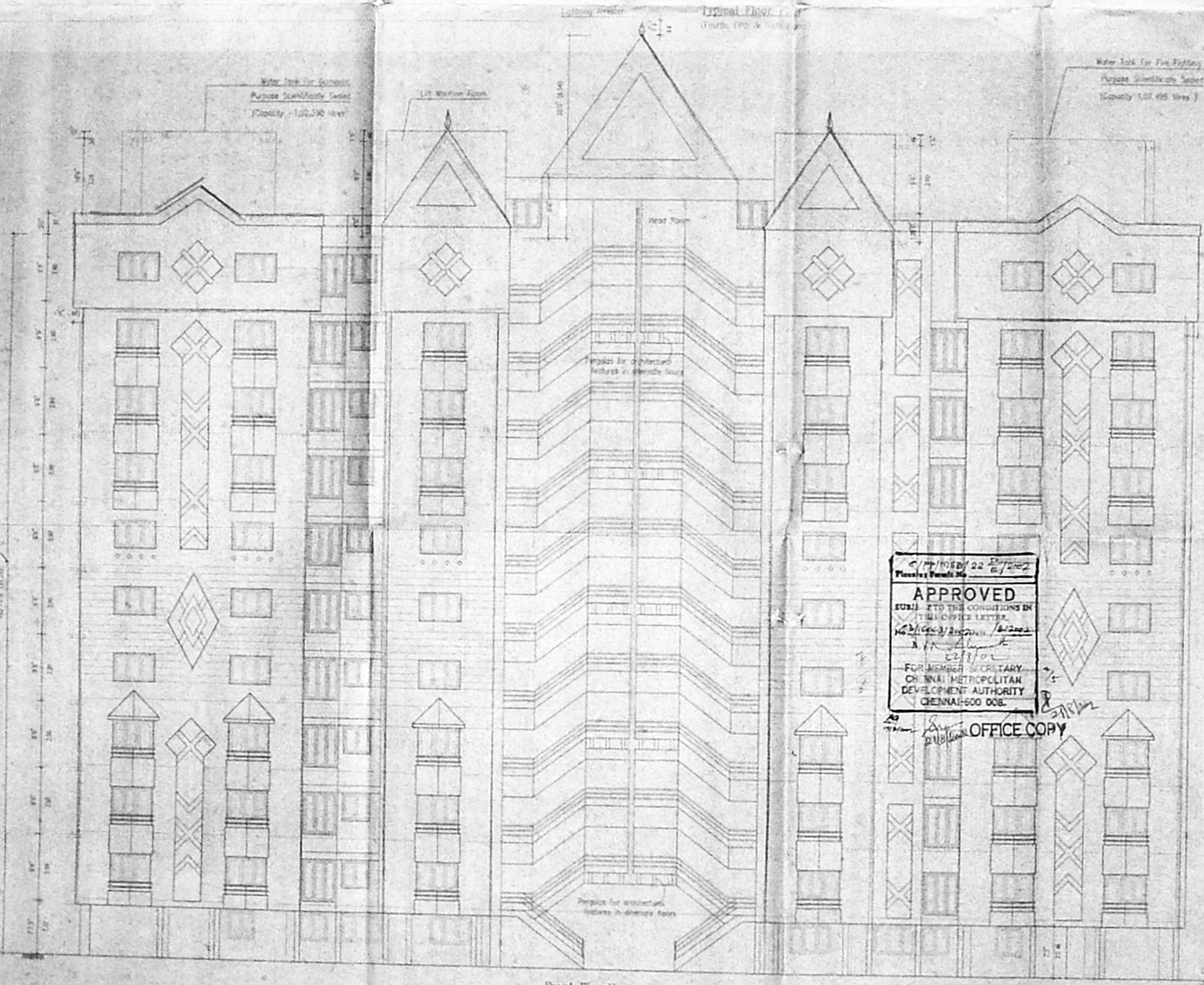
NAME & ADDRESS OF REGISTERED ARCHITECT
S. SETHILAKSHMI
C-1, PRASAD APARTMENTS,
NO. 39, SIXTH CROSS ROAD STREET,
TANDYKALAM,
CHENNAI - 600 085.
Phone: 472 74 97



Water Sump For Fire Fighting Purpose



Water Sump For Domestic Purpose



Front Elevation

APPROVED
 EQUAL TO THE CONDITIONS IN
 THE OFFICE LETTER
 No. 100/2002/2002
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI-600 006.

OFFICE COPY

REVISOR PLAN BY DESIGN
 CMA C/P No. 1
 C. No. 100/2002/2002
 PART I
 PART II
 A.P. D.P.

NOTES
 1. THE BUILDING SHALL BE CONSTRUCTED BY NEW FOUNDATION WITH FLOOR
 MASONRY WALLS FOR INTERIOR AND 4" THICK MASONRY WALLS FOR EXTERIOR.
 2. ALL EXPOSED CONCRETE SHALL BE FINISHED BY GRITTY WHITE 1:1:8 AND ALL
 SURF FINISHES OF EXTERIOR SHALL BE -
 3. THE FINISHES SHALL BE LAID WITH INDIVIDUALLY FINISHED CEMENT MORTAR
 TILES AND MARBLE FLOORING.
 4. ALL MASONRY WORK SHALL BE DONE IN ACCORDANCE WITH THE
 CONCRETE AND MASONRY CODES AND FINISHED WITH ONE LAYER OF WHITE WASH.

PERCENTAGE OF FLOOR

NO	Room	Area	Percentage
01	Door	1.00	0.00
02	Stair	1.00	0.00
03	Window	1.00	0.00
04	Wall	1.00	0.00
05	Floor	1.00	0.00
06	Roof	1.00	0.00
07	French door	1.00	0.00
08	French window	1.00	0.00
09	Veranda	1.00	0.00
10	Stair	1.00	0.00

PROPOSED RESIDENTIAL FLATS AT VELACHERY
 BY-PASS ROAD BEARING S.No. 382/10, 20
 OF No. 137, VELACHERY VILLAGE
 MANDALAM GUNDI TALUK
 CHENNAI DISTRICT

REFERENCE

DATE	DESCRIPTION
10.10.02	PROPOSED WORK
10.10.02	ISSUE
10.10.02	REVISION
10.10.02	REVISION

DESIGNED BY
 ALEX JACOB
 REGISTERED ARCHITECT/ARTIST
 COUNCIL OF ARCHITECTURE,
 LICENSED SURVEYOR & A.T.
 CORPORATION OF CHENNAI

FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI-600 006.

3

Capacity of water ground static water tank shall be 2050 LITERS/MIN, one electrical pump of capacity 180 LITERS/MIN with a pressure 3.5/CM2 and a stand by pump of same capacity driven down will be provided
 Fire service inlet at ground level fitted with non return valve will be provided to the rising main for charging
 by fire service pump
 Auto fire alarm system, air conditioning system fire lifts, service ducts shall conform to the requirements of national building code of India 1983 group I part IV fire protection amendment no.5 January 1997.
 Fire alarm distribution cables wiring shall be laid in separate duct. The cable/wiring ducts shall be sealed off every floor with non-combustible materials having the same fire resisting as that of the ducts. Low and medium voltage wiring running shaft and in false ceiling will run in separate conduits.
 Separate circuits for the fire fighting pump lifts, staircases and corridors lighting will be provided directly from the switch gear and these circuits will be laid in separate conduits so that fire in one circuit will not affect other master switches controlling essential service circuits will be clearly labeled.
 All routes leading to exits will be clearly marked and emergency lights will be provided in all the corridors and near the staircases.
 The first aid firefighting equipment will be provided in all floors including stilt areas and lift rooms etc in accordance with appendix IV of national building code of India 1983

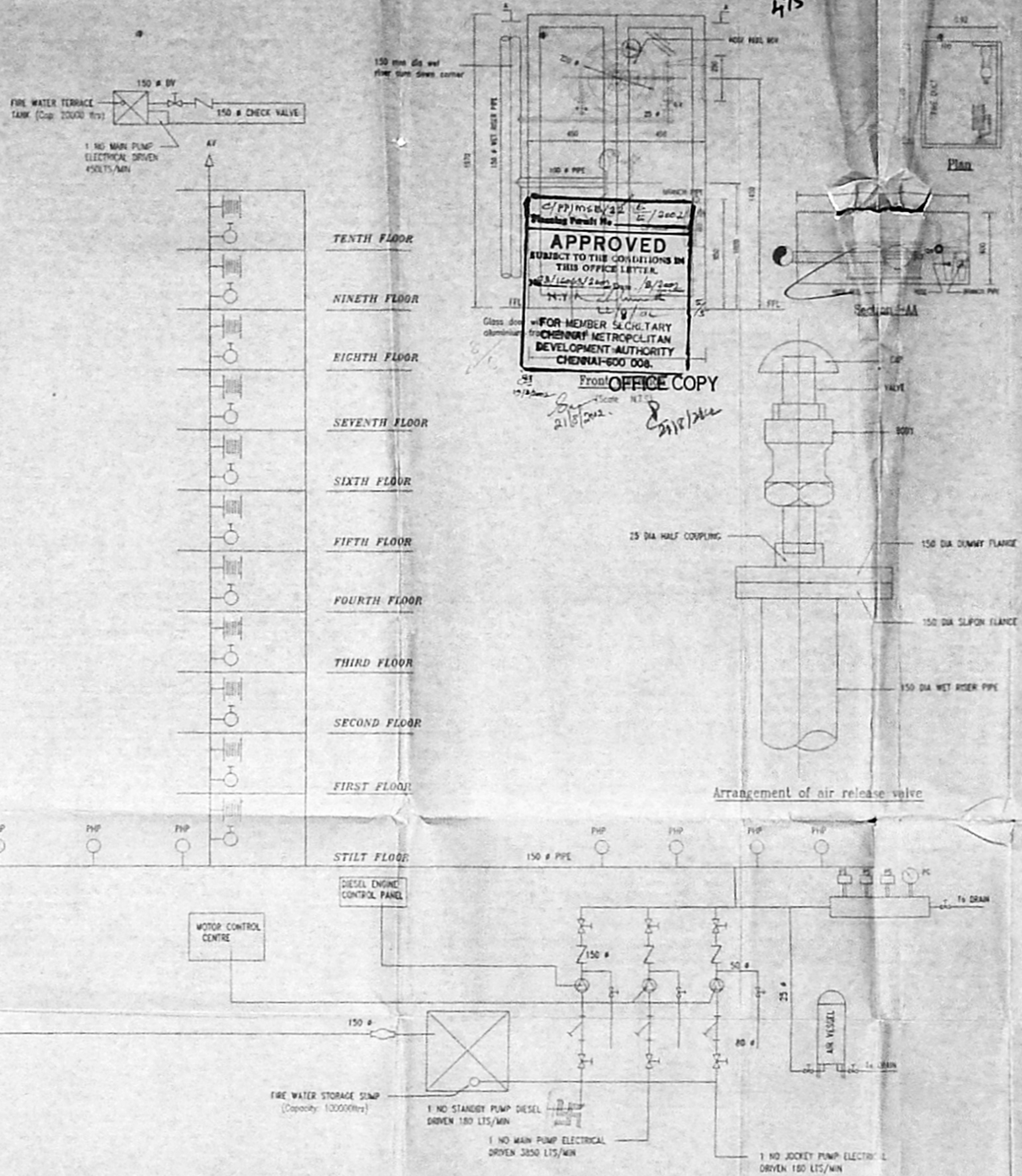
NOTES:
 Manual call points at 1.200mm above finished floor level fire way speakers at 1500mm above finished floor level height of 2100mm above finished floor level
 Fire alarm cabinet comprising of 63mm dia twin headed landing level 2 length of 11m 66mm dia CP hose 10mm dia reinforced rubber hose reel 50m long with drum for every 1000 sqm floor area one wet riser/cum down corner of class C C type 150mm dia per 1000 sqm floor area

FIRE ALARM SYSTEM:
 Callers each of every 50 sqm in all the floors
 Manual call points shall be provided in all floors

STAIRCASE:
 Head 200mm, rise 150mm, staircase width 1500mm (min), stairs head room 2200mm (min)
 No. of risers per flight=15, height of handrail 1000mm (min), gap between two vertically=150mm

FIRE LIFT:
 Lift capacity -13 passengers
 Lift with automatic operated door (self closing type)

EXTINGUISHERS:
 Carbon di oxide extinguisher near MSB and lift
 Water pressure type extinguisher near staircase
 Foam type extinguisher near transformer yard and generator room
 Sand filling fire bucket near transformer yard
 5 KG dry chemical powder extinguisher of 1 no. for every 5 core



C/PP/MSB/22 16/2002
 Planning Permit No. 16/2002
APPROVED
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
 21/10/2002
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI-600 008.

OFFICE COPY

1	ALL CONDITIONS	CMDA C/PP No. 16/2002
2	FGL - FIRE FIGHTING	21/10/2002
3	PS - PRESSURE	
4	PC - PRESSURE	
5	PH - PRESSURE	
PART I		
PART II		

1	PUMPS	
2	ROSE HEEL/WING TYPE	
3	AIR RELEASE VALVE	
4	FIRE SHEDDLE INLET	
5	EXTERNAL HYDRANT	
6	PIPED	
7	WING TYPE DUAL PLATE CHECK VALVE	
8	SINGLE SEATED LANDING VALVE	
9	BUTTERFLY VALVE	
10	Y TYPE STRAINER	
11	NON RETURN VALVE	

PROPOSED RESIDENTIAL FLATS AT VELACHERY
 BY-PASS ROAD BEARING S.No. 382/1C, 2C
 OF No. 137, VELACHERY VILLAGE
 MAMBALAM GUNDOY TALUK,
 CHENNAI DISTRICT
 SERVICE DRAWING INDICATING FIRE SAFETY MEASURES AS PER N.O.C.RC NO: 2507/A/2001 DATED 10.8.2001

SIGNATURE OF OWNER

SIGNATURE OF STRUCTURAL ENGINEER
ALEX JACOB
 B.E., M.Tech., Dip. Eng. & M.I.E. (A) 1998
 CONSULTING ENGINEER
 12, M.L.E. ROAD, CALAMETRA COLONY
 MADRAS-600 090.

SIGNATURE OF REGISTERED ARCHITECT

S. SENTHILKUMAR, B.E., A.I.A.
 Registered Architect - 01/24/177405
 Council of Architecture
 Licensed Surveyor - S.A. 318
 Corporation of Madras.