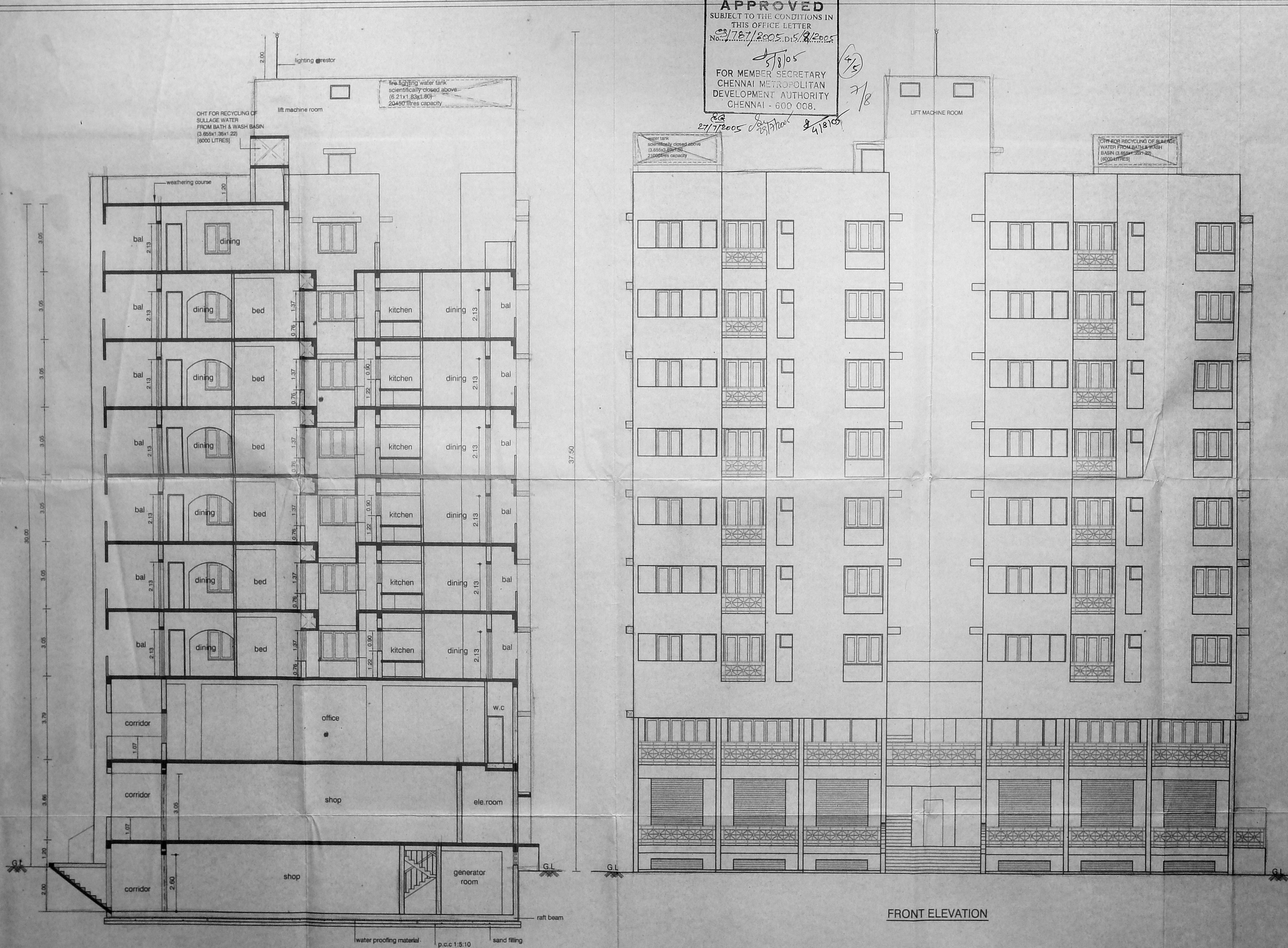


MMDA C3/PP NO. 1
 C. No. 59/787/2005
 Asst
 Scrutiny:
 PART I
 PART II
 A.P.
 7/4/2005

OFFICE COPY

P/PP/MSB/29 D /2005
 Planning Permit No. 59/787/2005
APPROVED
 SUBJECT TO THE CONDITIONS IN
 THIS OFFICE LETTER
 No. 5/18/2005, D.S. 8/2005
 5/18/05
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI - 600 008.



SECTION ON "AA"

FRONT ELEVATION

PROPOSED COMMERCIAL CUM RESIDENTIAL
 MULTI-STOREYED BUILDING AT
 DOOR NOS:12 &14 (OLD NOS:34 & 33)
 BALFOUR ROAD, KELLYS, CHENNAI-600010
 COMPRISED IN R.S NO: 3138/10 OF
 BLOCK NO:52 & R.S.NO:3138/38 OF
 BLOCK NO:53 PURSAWALKAM DIVISION
 IN CHENNAI CORPORATION
 DIVISION NO:70, ZONE V.

SCALE : 1:100 DATE : 08:01:05

JOB NO :913 DRAWN: K.R & VIJAY

SHEET NO: 4/4

COLOUR INDEX

PROPOSED

(P.A HOLDER)
 OWNER'S SIGNATURE

STRUCTURAL ENGINEER

V. BALAKUMAR
 B.Sc., B.Tech. (CIVIL), M.Sc. (Engg)
 C. Eng.: M.I.E.: FIGS.: FIV
 Structural & Gao. Technical Consultant
 Approved Valuer, Cl. I
 Phone: 8252177
 V.balakumar.usa.net

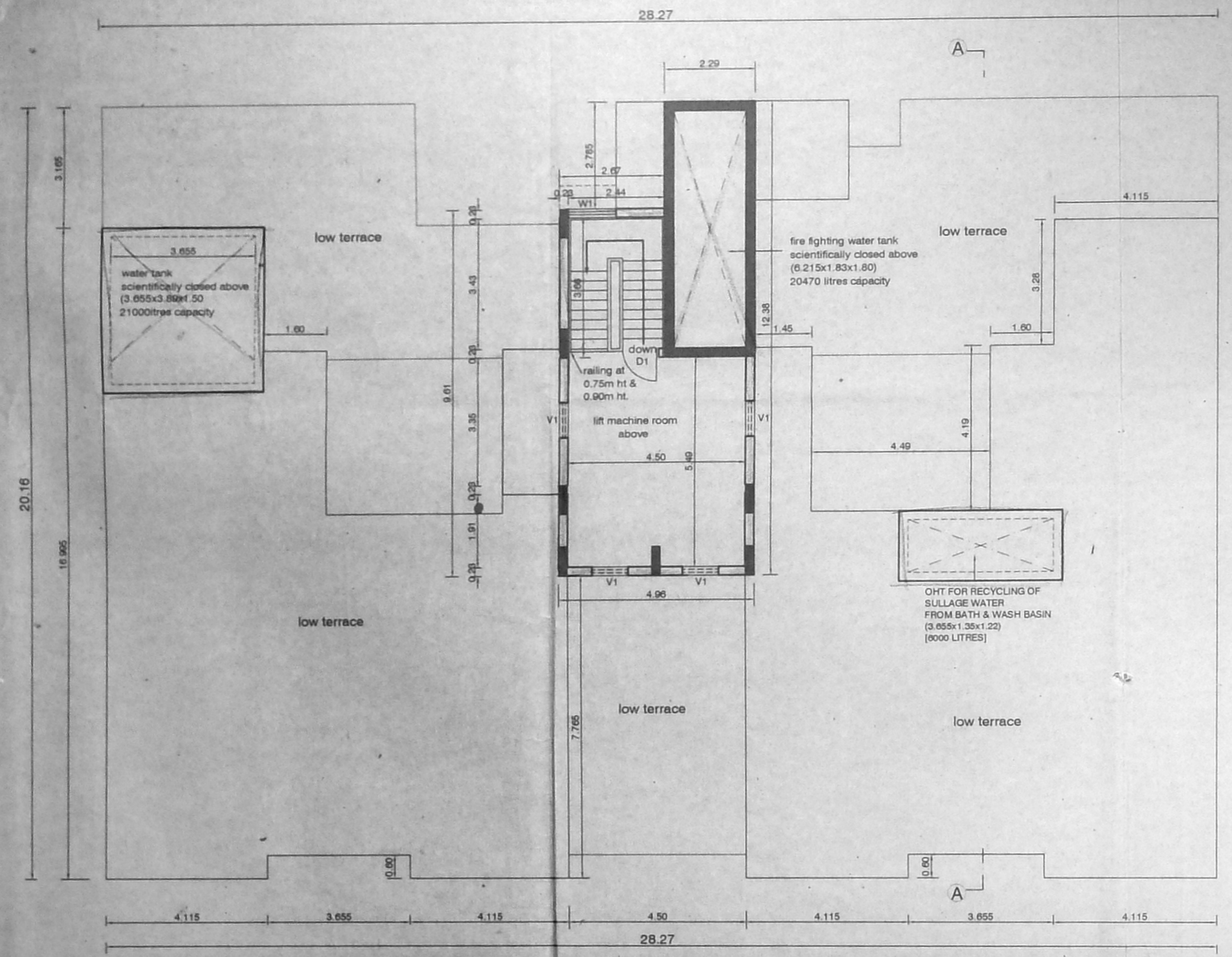
ARCHITECT

R. SATHYANARAYANA, B ARCH. A.I.T.A.
 REGISTERED ARCHITECT
 R A NO: 97
 NO: 55 (OLD U-12) 4th MAIN ROAD,
 ANNA NAGAR, CHENNAI-600 040

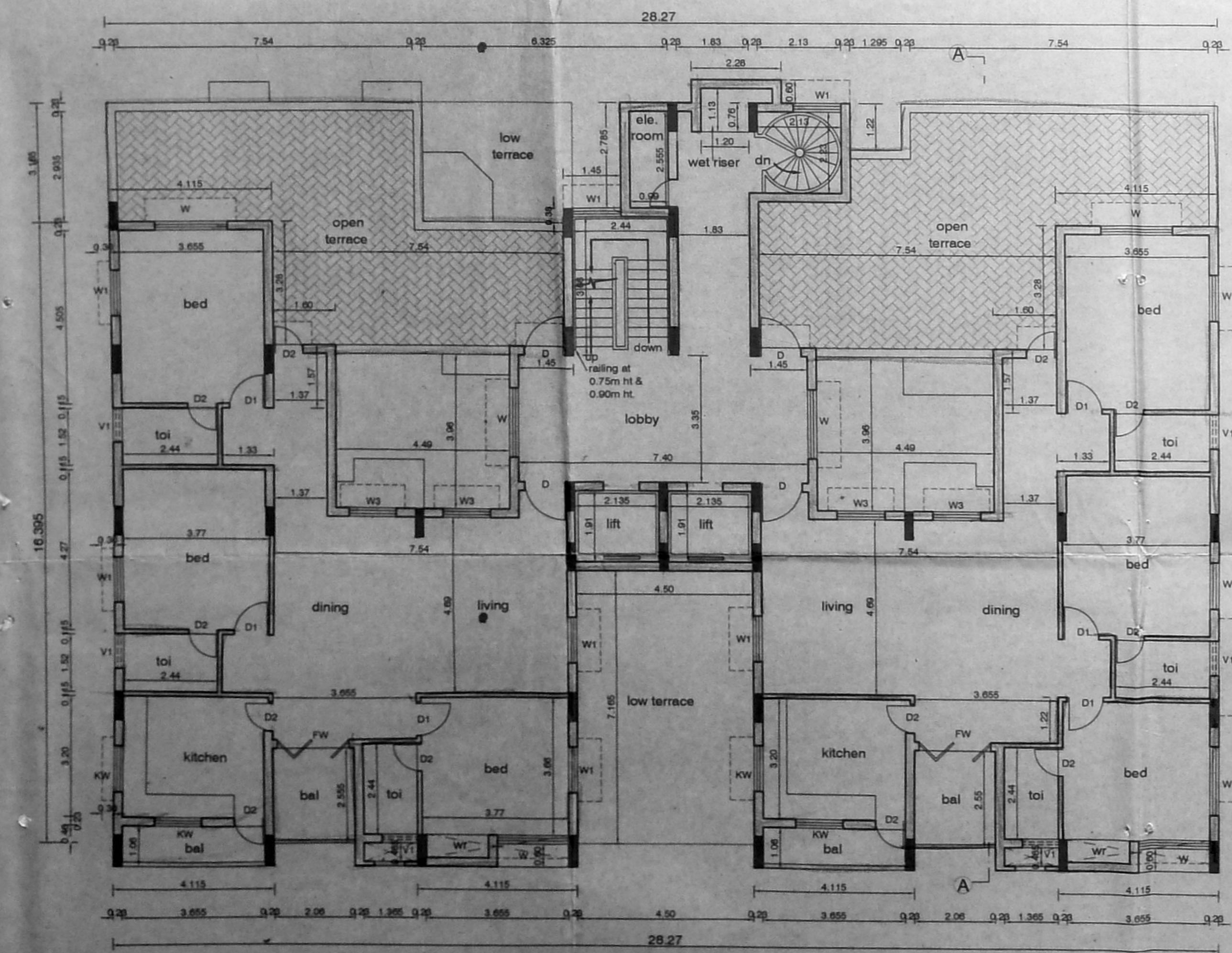
OFFICE COPY

C/PP/MSB/29 C/2005
 Planning Permit No.
APPROVED
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 No. 787/2005.D/S/2005
 27/7/2005
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 CHENNAI - 600 008.

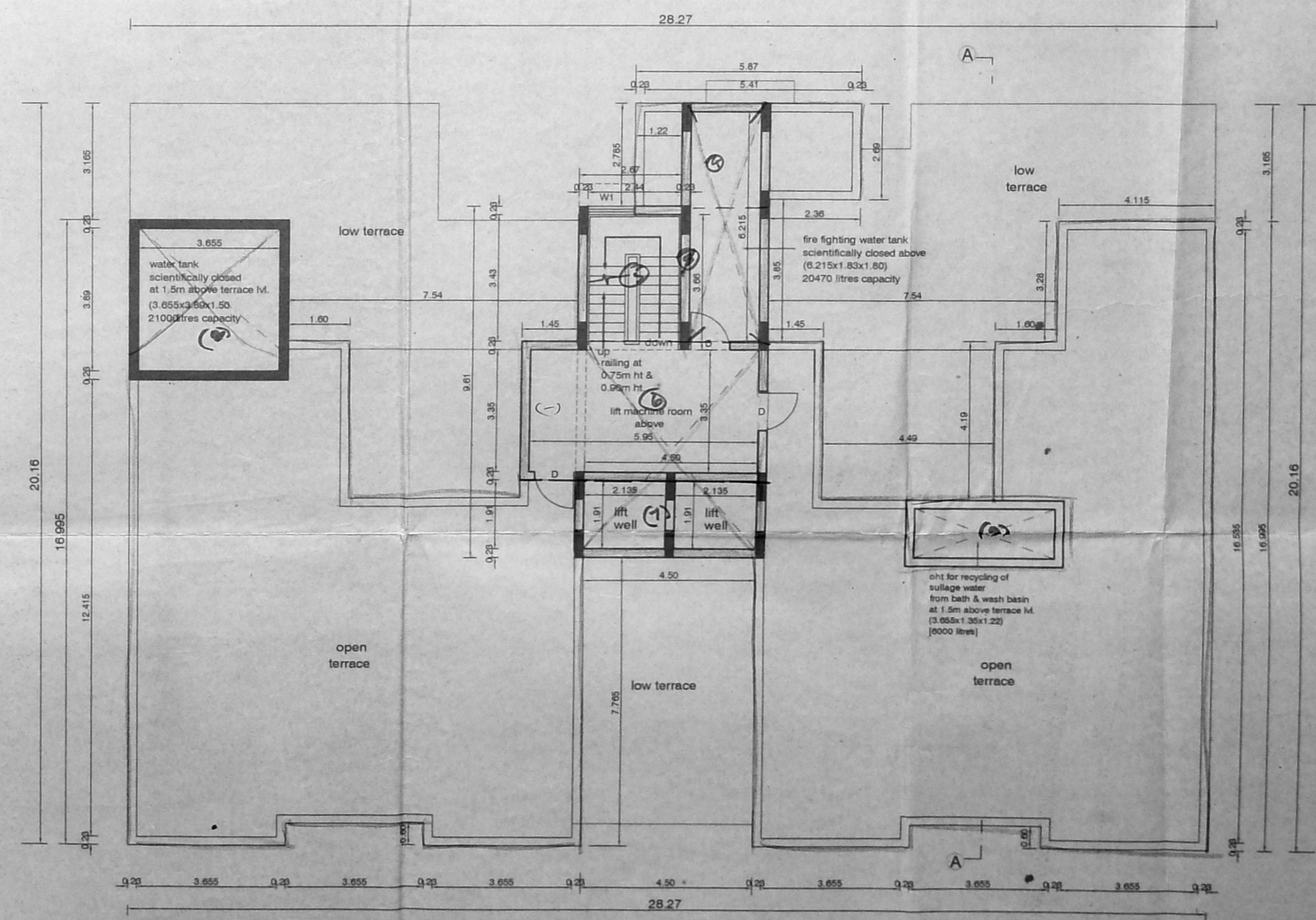
27/7/2005
 29/7/2005
 4/8/2005



LIFT MACHINE ROOM LEVEL PLAN



EIGHTH FLOOR PLAN



TERRACE FLOOR PLAN

SCHEDULE OF JOINERY		AMDA C's/PP No. 1
TYPE	DESCRIPTION	SIZE
D	DOOR	1.00x2.13
D1	DOOR	0.90x2.13
D2	DOOR	0.75x2.13
D3	DOOR	1.22x2.13
W	WINDOW	1.83x1.37
W1	WINDOW	1.22x1.37
W2	WINDOW	3.05x1.37
W3	WINDOW	1.22x1.83
KW	KITCHEN WINDOW	1.22x0.90
KW1	KITCHEN WINDOW	0.90x0.90
FW	FRENCH WINDOW	1.83x2.13
V	VENTILATOR	2.44x0.60
V1	VENTILATOR	0.90x0.60
V2	VENTILATOR	0.60x0.60

- SPECIFICATIONS :-**
- PILE FOUNDATION IN CONCRETE M25 GRADE
 - RCC COLUMN IN CONCRETE M40 GRADE
 - RAFT SLAB, BEAMS, COLUMN AND RCC WALLS IN CONCRETE M25 GRADE
 - R.C.C BEAMS, LINTELS, SLABS, SUNSHADE, ETC IN CONCRETE M30 GRADE
 - BRICK WORK IN SUPERSTRUCTURE IN CEMENT MORTAR 1:5 FOR 230mm WALLS & 1:4 FOR 115mm WALLS
 - JOINERY WITH T.W FLUSH DOORS & ALUMINIUM GLAZED WINDOWS & VENTILATORS
 - CEILING PLASTERING 12mm THICK IN CEMENT MORTAR 1:3
 - WALL PLASTERING 20mm THICK IN CEMENT MORTAR 1:4 EXTERIOR WALLS
 - 3 COATS OF CEMENT PAINT TO INTERIOR & EXTERIOR WALLS
 - WEATHERING COURSE WITH BRICK JELLY LIME CONCRETE 3" AVERAGE THICKNESS AND ARE LAYER AT PRESSED TILES ON TOP
 - MARBLE/MOSAIC FLOORING

AREA STATEMENTS	SQ.M
EIGHTH FLOOR AREA	369.98
EIGHTH FLOOR SERVICE AREA *	3.44

[* NOT INCLUDED IN AREA]

PROPOSED COMMERCIAL CUM RESIDENTIAL MULTI-STORYED BUILDING AT DOOR NOS:12 & 14 (OLD NOS:34 & 33) BALFOUR ROAD, KELLYS, CHENNAI-600010 COMPRISED IN R.S NO: 3138/10 OF BLOCK NO:52 & R.S.NO:3138/38 OF BLOCK NO:53 PURSAWALKAM DIVISION IN CHENNAI CORPORATION DIVISION NO:70. ZONE V.

SCALE : 1:100 DATE : 08/01/05
 JOB NO : 913 DRAWN : N.BANU

SHEET NO: 3/4
 COLOUR INDEX

PROPOSED

➔ N

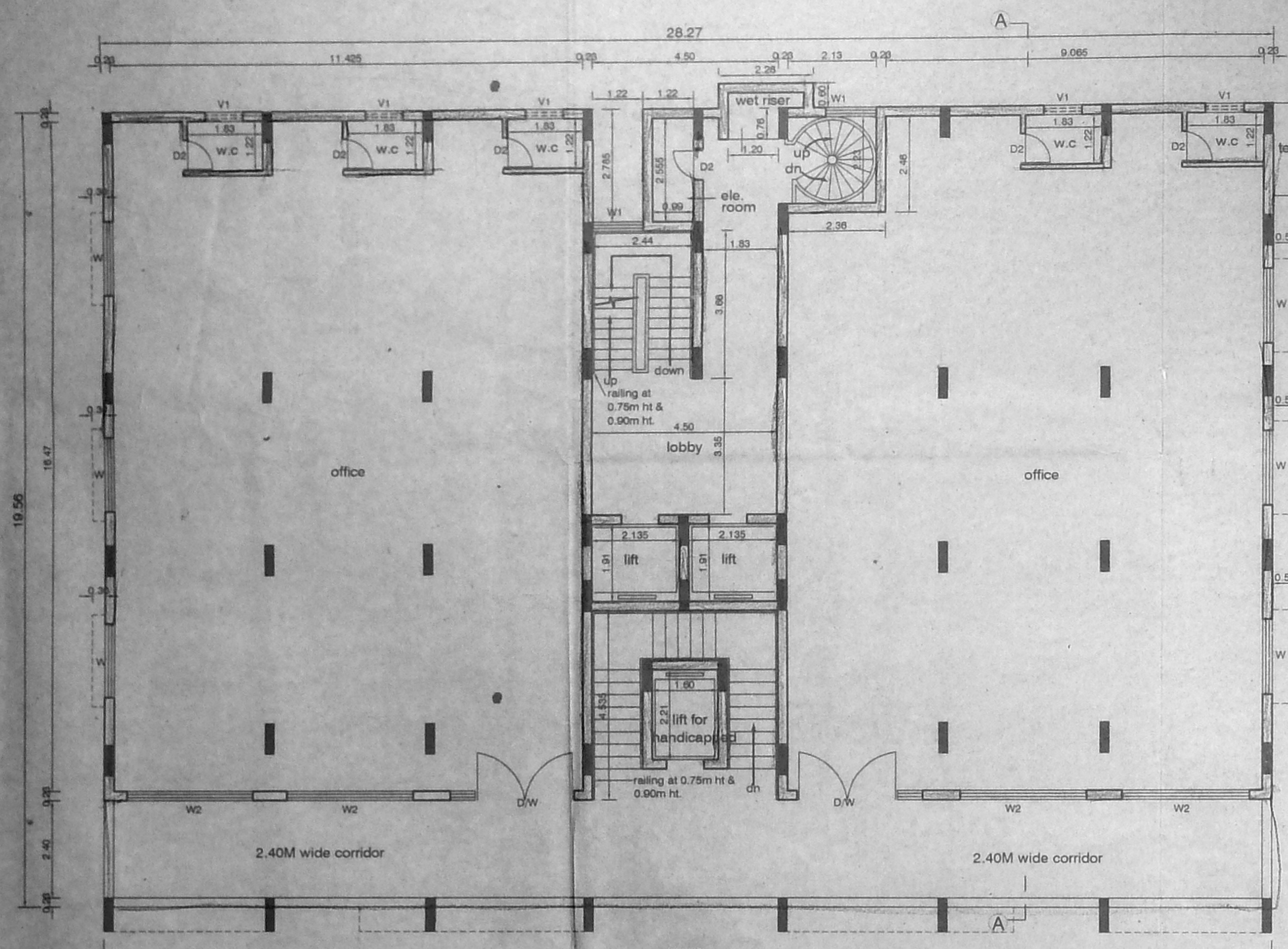
(R.A. HOLDER)
 OWNERS SIGNATURE

STRUCTURAL ENGINEER

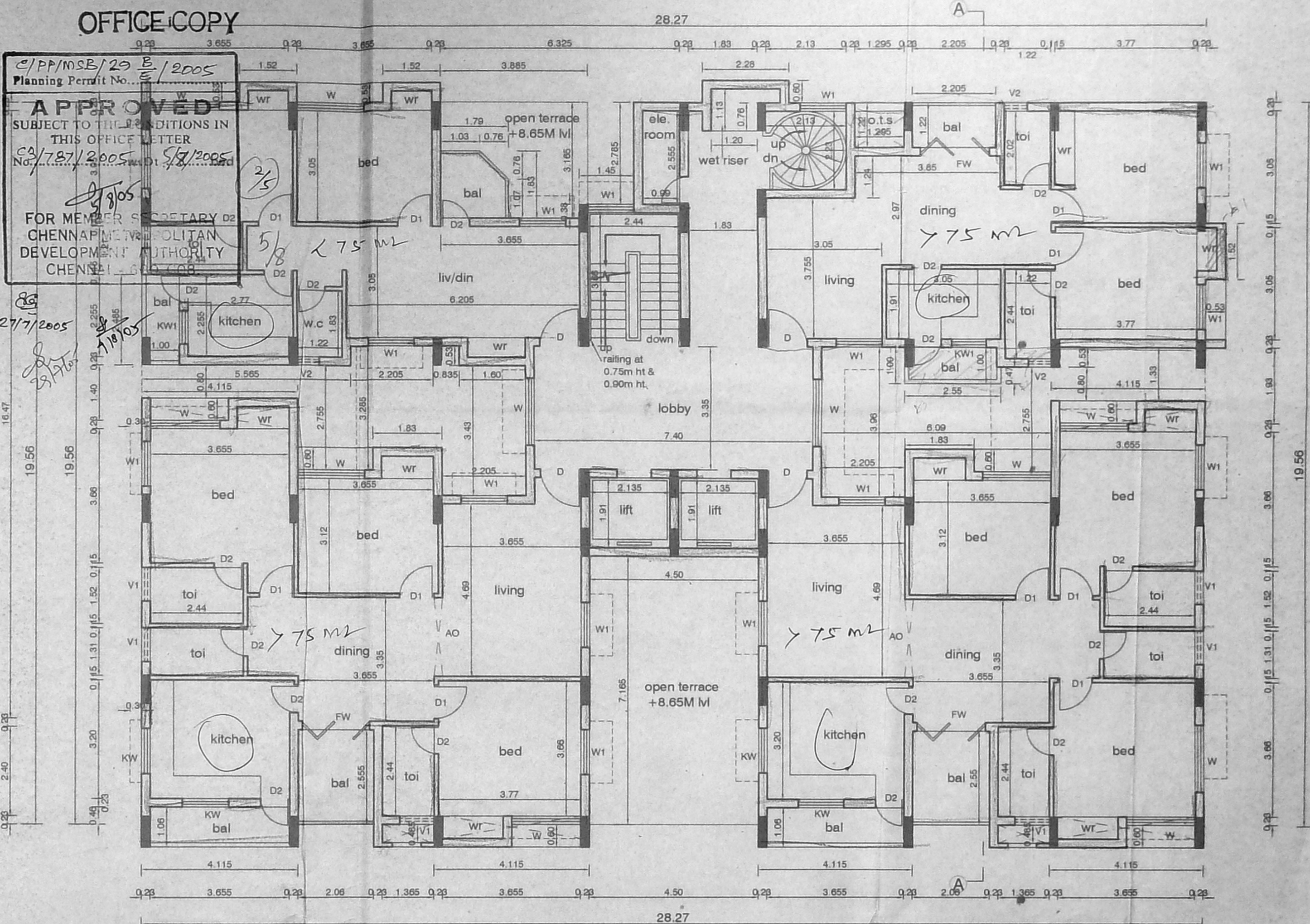
V. BALAKUMAR
 B.Sc., B. Tech. (Civil), M.Sc., (Engg.)
 C. Eng., M.I.E. - FIGS.: FIV
 Structural & Geo. Technical Consultant
 Approved Valuer, CL I
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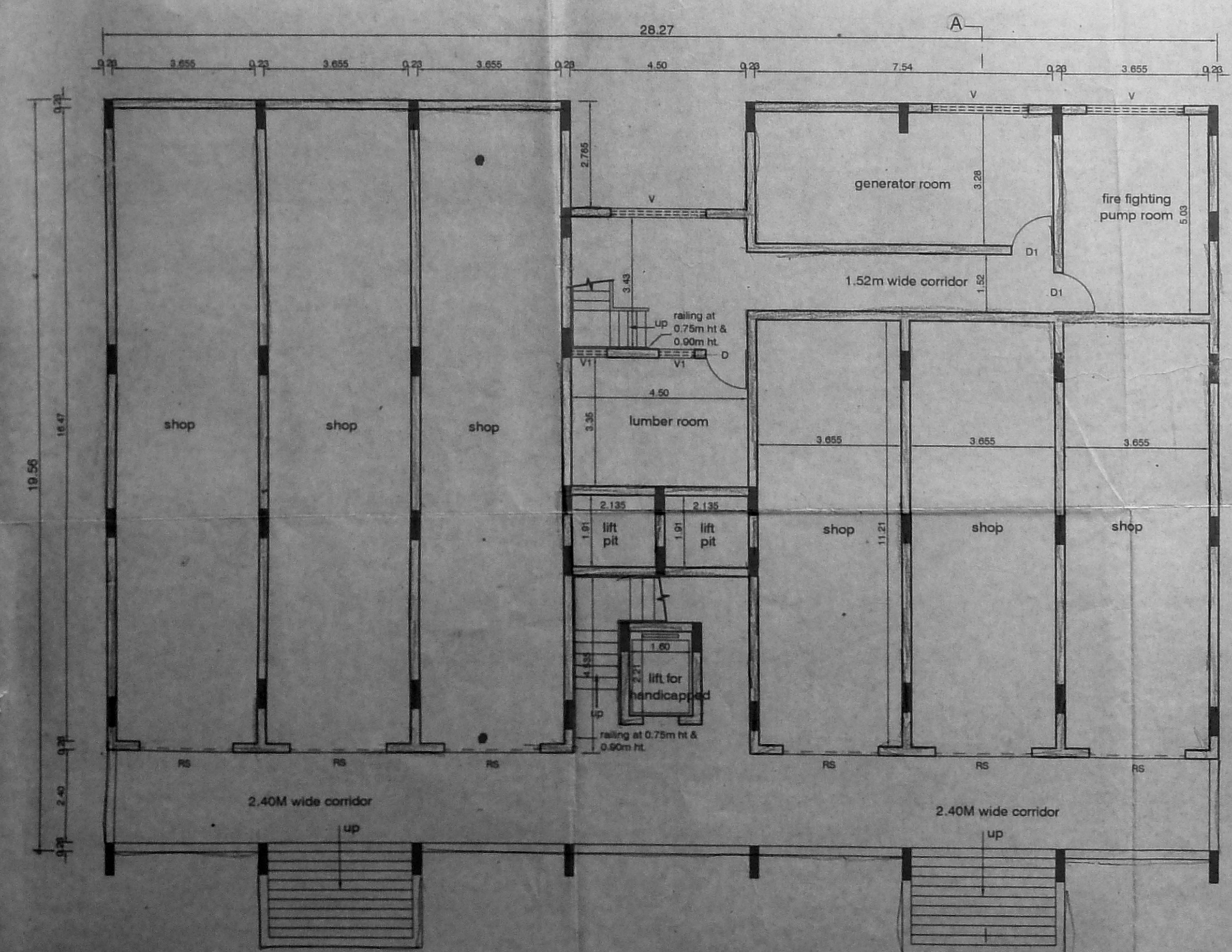
R. SATHYANARAYANA, B.Arch. A.I.I.A.
 REGISTERED ARCHITECT
 R. A. No: 97
 NO: 55 (OLD U-12) 4th MAIN ROAD,
 ANNA NAGAR, CHENNAI-600 040



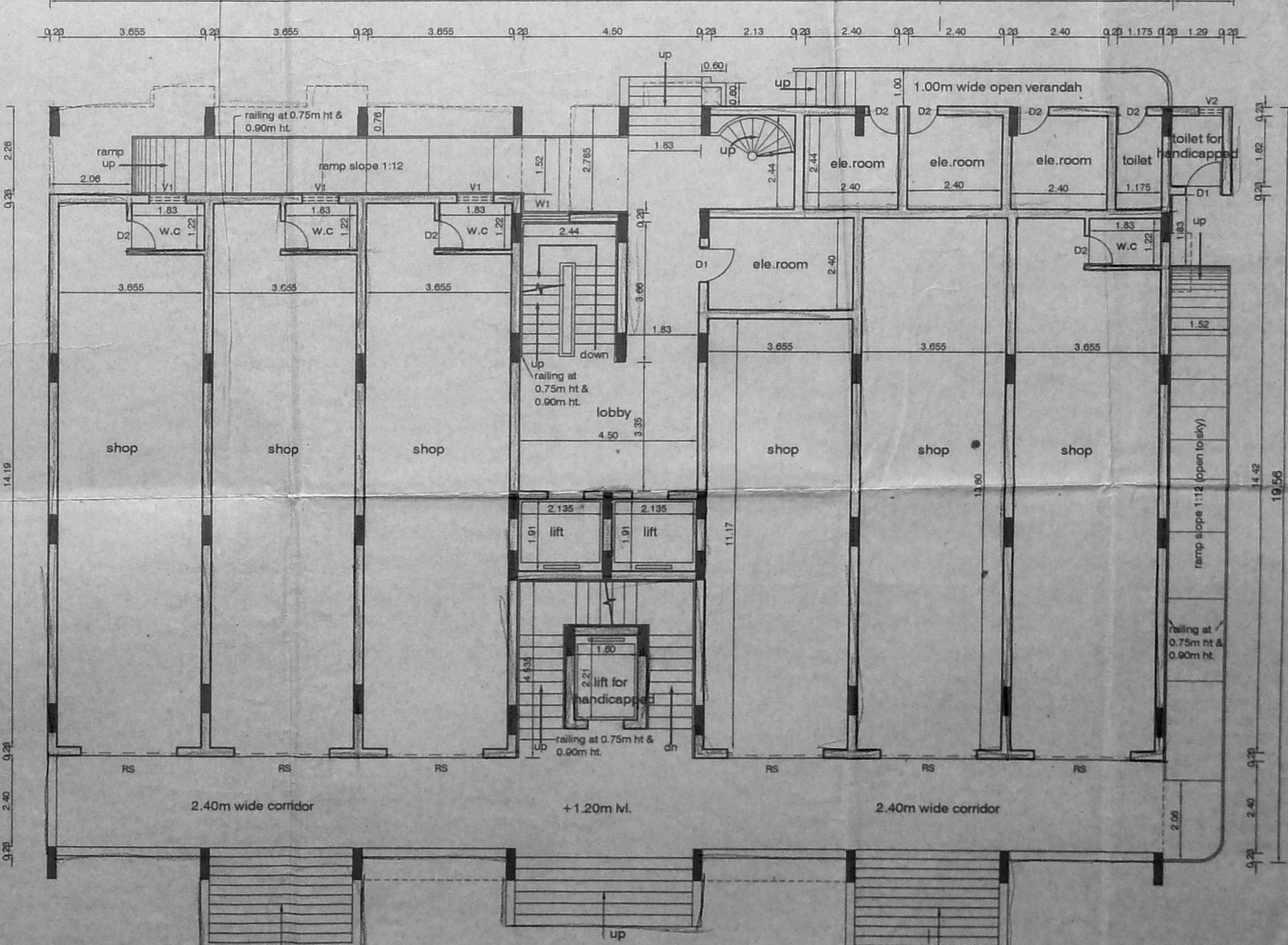
FIRST FLOOR PLAN



TYPICAL FLOOR PLAN (II TO VII)



BASEMENT FLOOR PLAN



GROUND FLOOR PLAN

SCHEDULE OF JOINERY			
TYPE	DESCRIPTION	QTY	SIZE
D	DOOR	106	2.13
D1	DOOR	91	2.13
D2	DOOR	7	2.13
D3	DOOR	1	2.13
W	WINDOW	183	1.37
W1	WINDOW	122	1.37
W2	WINDOW	3	0.51
W3	WINDOW	1	2.83
KW	KITCHEN WINDOW	1	2.90
KW1	KITCHEN WINDOW	1	0.90
FW	FRENCH WINDOW	1	2.13
DW	DOOR CUM WINDOW	1	2.13
V	VENTILATOR	2	4.00
V1	VENTILATOR	1	0.90
V2	VENTILATOR	1	0.60
R.S	ROLLING SHUTTER	3	0.05
AO	ARCH OPENING	2	2.13

- SPECIFICATIONS :-**
- FILE FOUNDATION IN CONCRETE M25 GRADE
 - RCC COLUMN IN CONCRETE M40 GRADE
 - RAFT SLAB BEAMS COLUMN AND RCC WALLS IN CONCRETE M25 GRADE
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 - WEATHERING COURSE WITH BRICK JELLY LIME CONCRETE 3" AVERAGE THICKNESS AND ARE LAYER AT PRESSED TILES ON TOP
 - MARBLE/MOSAIC FLOORING

AREA STATEMENTS	SQ.M
BASEMENT FLOOR AREA	435.70
BASEMENT SERVICE AREA *	104.73
GROUND FLOOR AREA	526.69
GROUND FLOOR SERVICE AREA *	26.34
FIRST FLOOR AREA	546.12
FIRST FLOOR SERVICE AREA *	3.44
TYPICAL FLOOR AREA (II TO VII)	470.10
TYPICAL FLOOR SERVICE AREA *	3.44

[*NOT INCLUDED IN AREA]

PROPOSED COMMERCIAL CUM RESIDENTIAL MULTI-STOREYED BUILDING AT DOOR NOS:12 & 14 (OLD NOS:34 & 33) BALFOUR ROAD, KELLYS, CHENNAI-600010 COMPRISED IN R.S NO: 3138/10 OF BLOCK NO:52 & R.S NO:3138/38 OF BLOCK NO:53 PURSAWALKAM DIVISION IN CHENNAI CORPORATION DIVISION NO:70, ZONE V.

SCALE : 1:100 DATE : 08.01.05

JOB NO : 913 DRAWN : N.BANU

SHEET NO: 2/4

COLOUR INDEX

PROPOSED



(P.A. HOLDER)
OWNER'S SIGNATURE

STRUCTURAL ENGINEER

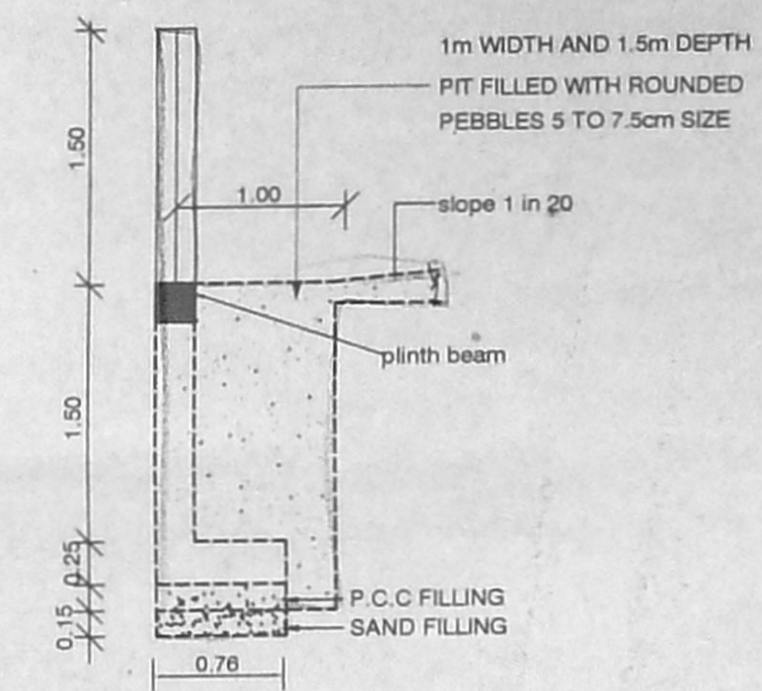
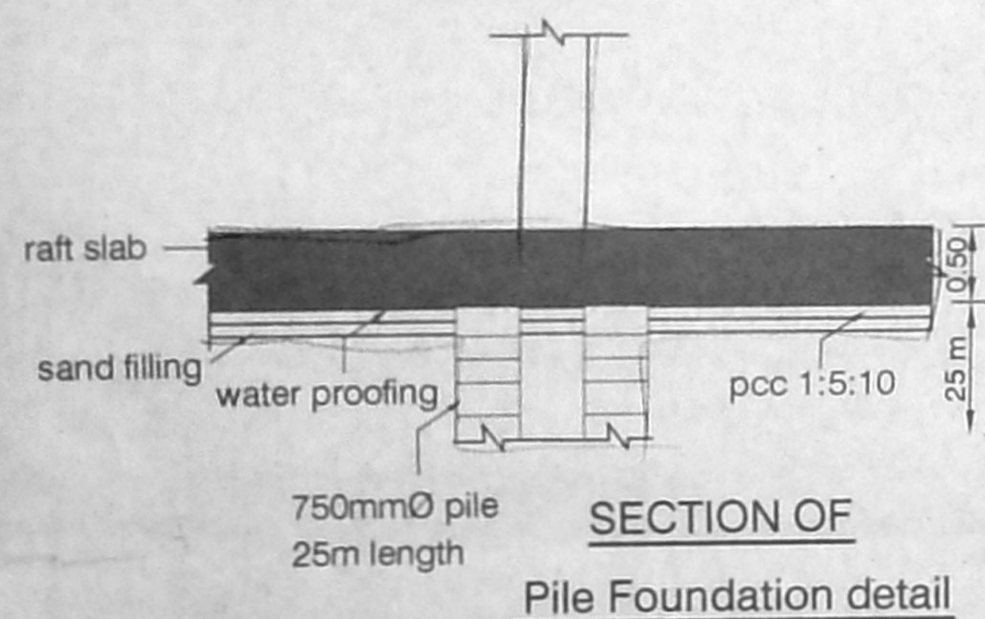
V. BALAKUMAR
B.Sc., B.Tech. (CIVIL), M.Sc., (Engg.)
C. Eng., M.I.E., F.I.C.S., F.I.V.
Structural & Civil Technical Consultant
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ARCHITECT

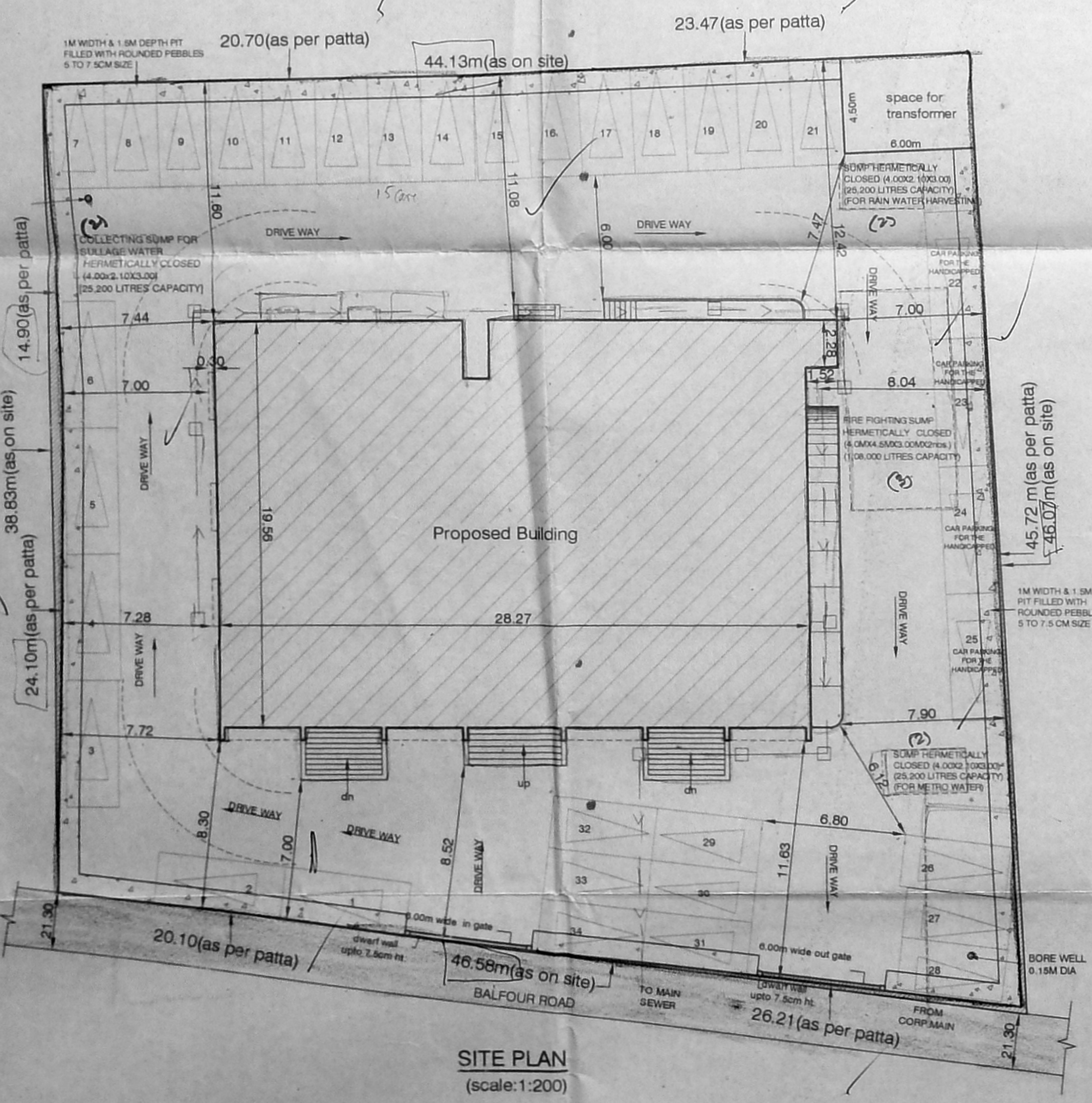
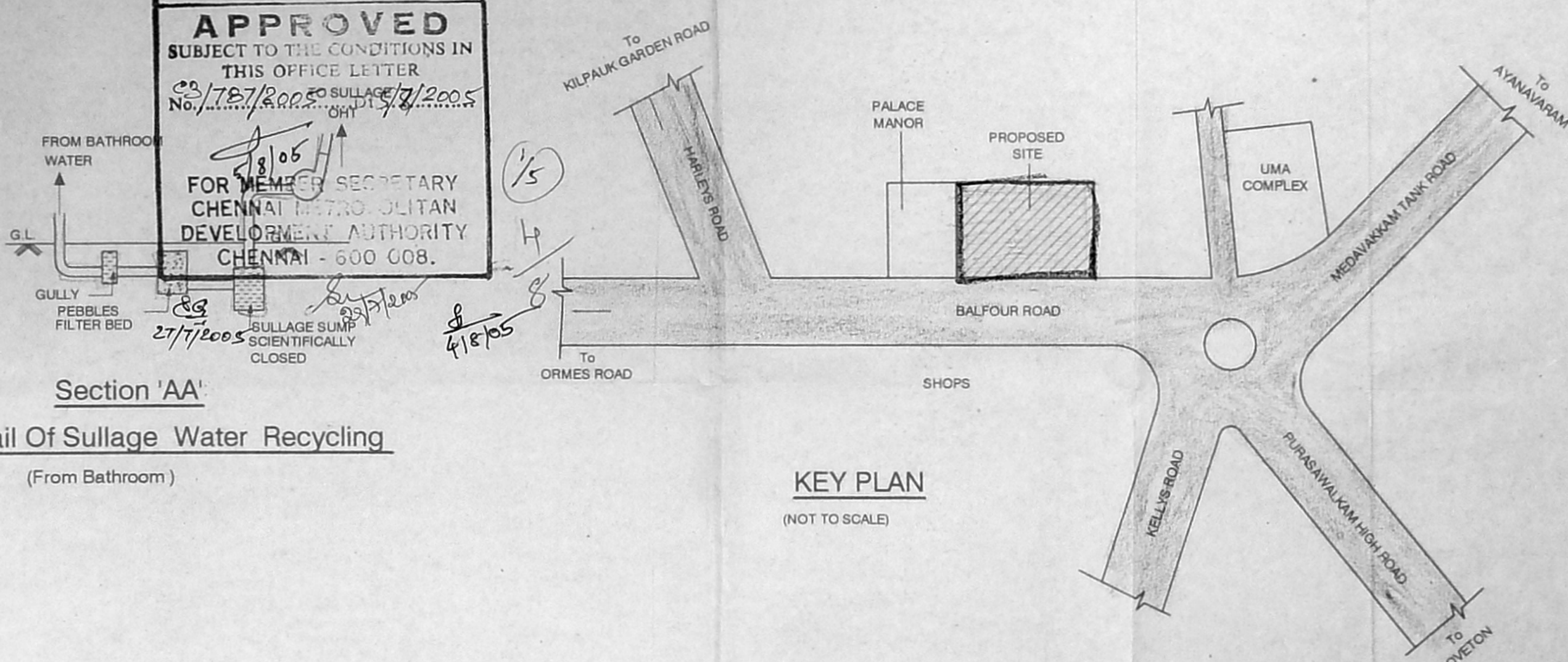
R. SATHYANARAYANA, B.Arch. A.I.A.
REGISTERED ARCHITECT
R.A. No: 97
NO. 35 (OLD U-12) 4th MAIN ROAD,
ANNA NAGAR, CHENNAI-600 040

OFFICE COPY

PP/MSE/29 A/2005
Planning Permit No. C-3/787/2005
APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER
No. 787/2005
FOR MEMBER SECRETARY
CHENNAI METRO CITIES
DEVELOPMENT AUTHORITY
CHENNAI - 600 008.

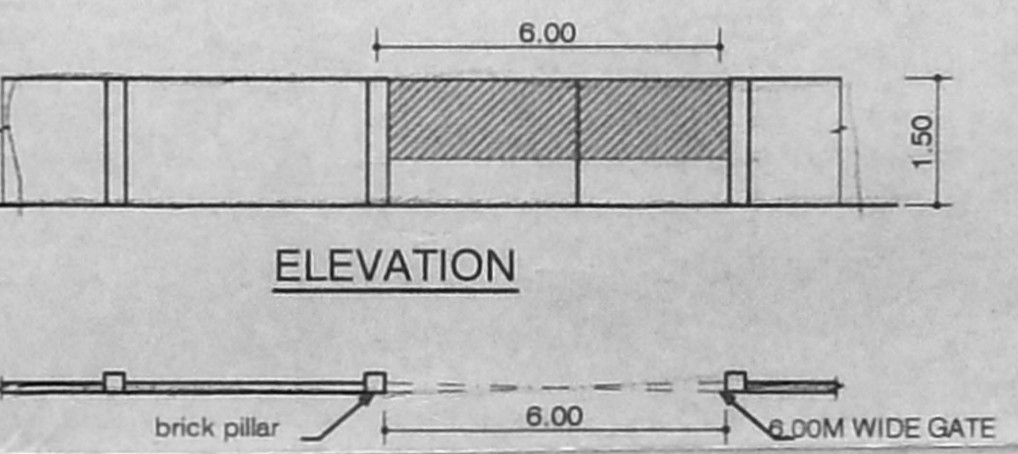
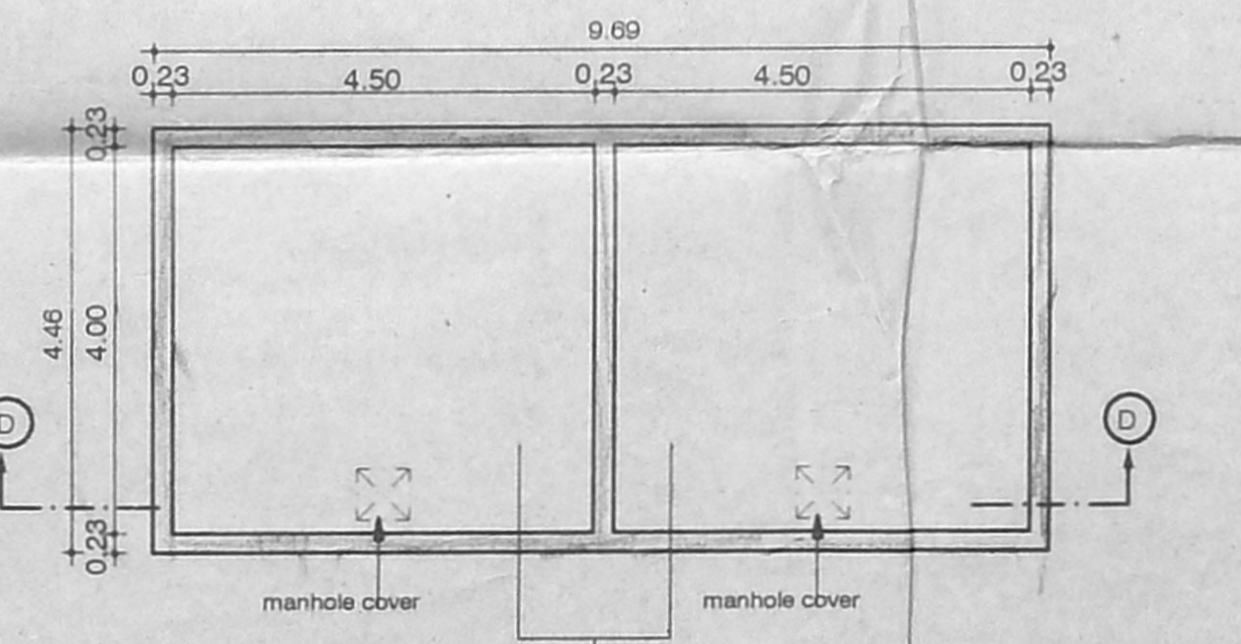
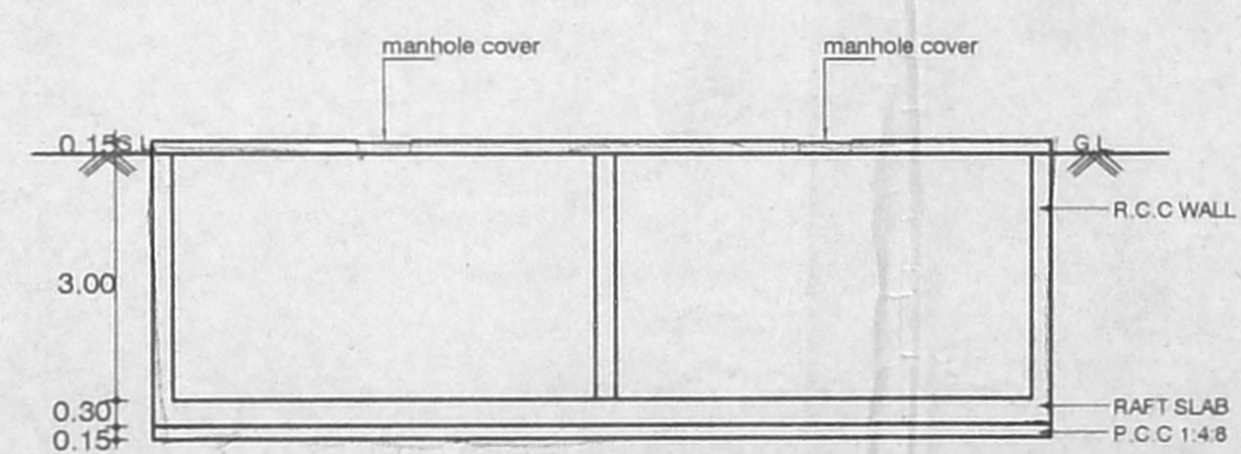


Section 'AA'
Detail Of Sullage Water Recycling
(From Bathroom)

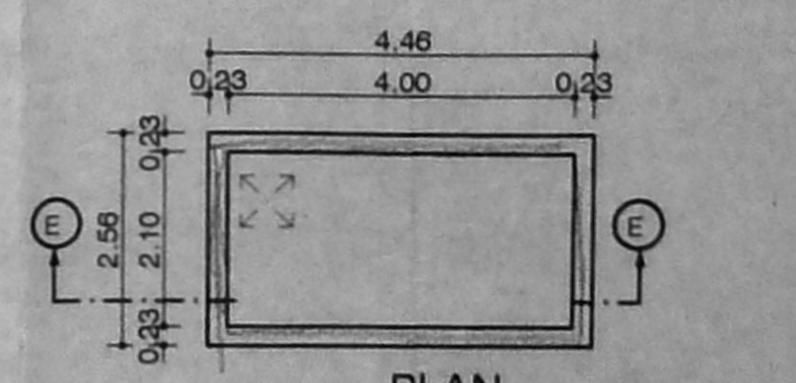
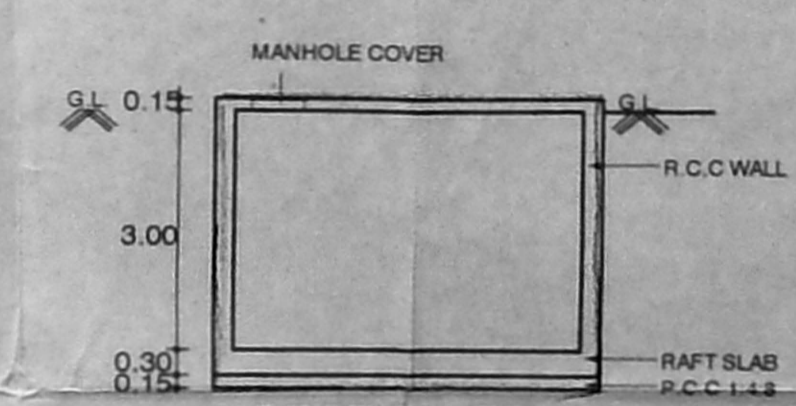
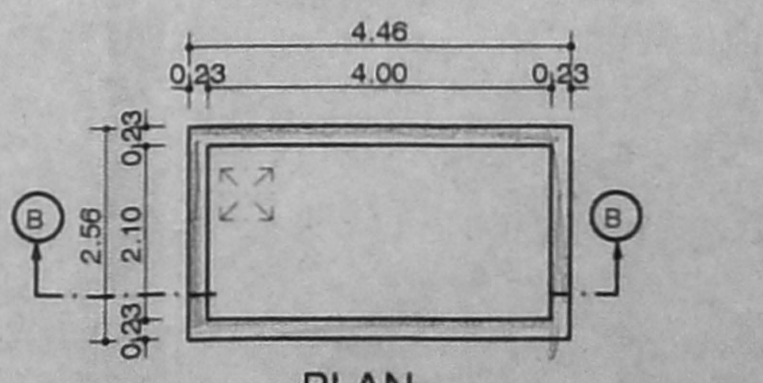
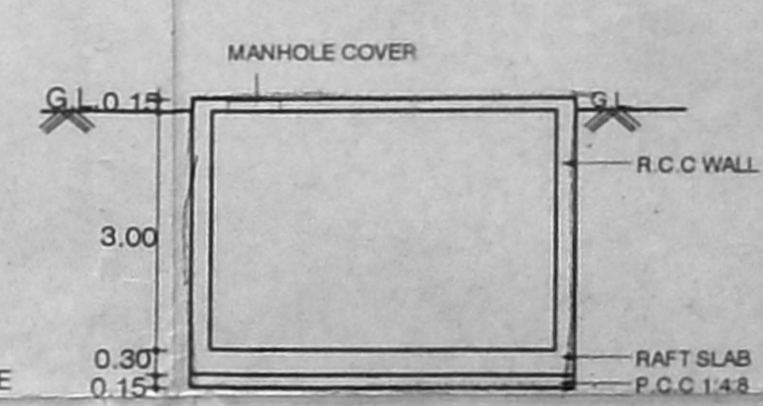
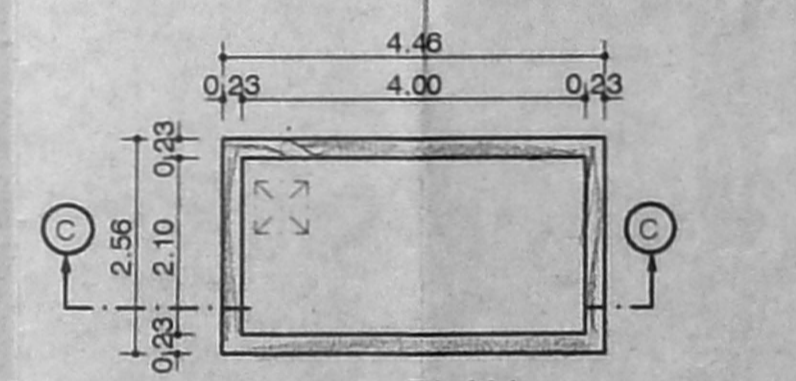
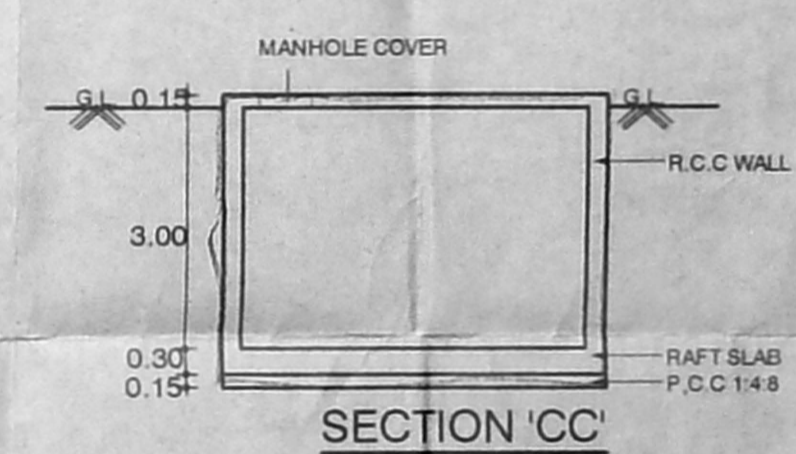


SITE PLAN
(scale: 1:200)

Case Plans
Revised 37 Nov.



PLAN OF COMPOUND WALL & GATE



AREA STATEMENT	Asst	SQ.M
PLOT AREA (As per patta)	Scrutiny :	1894.85
PLOT AREA (As on site)	PART I	1908.93
	PART II	
BASEMENT FLOOR AREA		435.70
BASEMENT SERVICE AREA *		104.73
GROUND FLOOR AREA		526.69
GROUND FLOOR SERVICE AREA *		26.84
FIRST FLOOR AREA		546.12
FIRST FLOOR SERVICE AREA *		3.44
SECOND FLOOR AREA		470.10
SECOND FLOOR SERVICE AREA *		3.44
THIRD FLOOR AREA		470.10
THIRD FLOOR SERVICE AREA *		3.44
FOURTH FLOOR AREA		470.10
FOURTH FLOOR SERVICE AREA *		3.44
FIFTH FLOOR AREA		470.10
FIFTH FLOOR SERVICE AREA *		3.44
SIXTH FLOOR AREA		470.10
SIXTH FLOOR SERVICE AREA *		3.44
SEVENTH FLOOR AREA		470.10
SEVENTH FLOOR SERVICE AREA *		3.44
EIGHTH FLOOR AREA		369.98
EIGHTH FLOOR SERVICE AREA *		3.44
TOTAL BUILT-UP AREA		4699.09

*(NOT INCLUDED IN AREA)

FSI UTILISED - 2.48
PLOT COVERAGE - 29.66%
CAR PARKING REQUIRED - 34 CARS
CAR PARKING PROVIDED - 34CARS

PROPOSED COMMERCIAL CUM RESIDENTIAL MULTI-STOREYED BUILDING AT DOOR NOS:12 &14 (OLD NOS:34 & 33) BALFOUR ROAD, KELLYS, CHENNAI-600010 COMPRISED IN R.S NO: 3138/10 OF BLOCK NO:52 & R.S.NO:3138/38 OF BLOCK NO:53 PURSAWALKAM DIVISION IN CHENNAI CORPORATION DIVISION NO:70. ZONE V.

SHEET No-1/4
SCALE: 1:100
DATE: 9-1-05
JOB NO: 913
DRAWN: KR&R.M

COLOUR INDEX	
PROPOSED ROAD	
BOUNDARY	
SEWER LINE	

(R.A. HOLDER)
OWNER'S SIGNATURE

STRUCTURAL ENGINEER:
V. BALAKUMAR
B.Sc., B.Tech. (Civil), M.Sc., (Engg.)
C. Eng., M.I.E.: FIGS.: FIV
Structural & Geo. Technical Consultant
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Phone: 8252177
V. balakumar.usa.net

ARCHITECT:
R. SATHYANARAYANA, B. ARCH., A.I.A.
REGISTERED ARCHITECT
R. A. No: 97
No. 55 (OLD U-12) 4th MAIN ROAD,
ANNA NAGAR, CHENNAI-600 040

NOTES:-

- TO CHARGE THE WETRISER-CUM DOWNCOMER, THE CAPACITY OF THE PUMP NEAR THE UNDERGROUND STATIC WATER TANK WILL BE 2850 LTS/MIN. AND ONE ELECTRICAL PUMP OF THE CAPACITY OF 180 LTS/MIN GIVING A PRESSURE NOT LESS THAN 3KG/CM. THE PUMP PROVIDED WILL BE A MULTI-STAGE TYPE WITH SUCTION AND DELIVERY SIZE NOT LESS THAN 15CM DIA A STANDBY PUMP OF EQUAL CAPACITY WILL BE PROVIDED AS AN ALTERNATIVE SOURCE AS SUPPLY.
- A FIRE SERVICE INLET AT GROUND LVL FITTED WITH NON-RETURN VALVE WILL BE PROVIDED TO THE RISING MAIN FOR CHARGING IT BY FIRE SERVICE PUMP.
- EXITS, ESCAPES, AUTOMATIC ALARMS SYSTEMS, AIR CONDITIONING SYSTEM, FIRE LIFTS, SERVICE DUCTS WILL CONFORM TO THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF INDIA 1983, GROUP PART IV, FIRE PROTECTION AMENDMENT NO.3, JANUARY 1997.
- REFUSE CHUTES WILL HAVE OUTLET AT LEAST 1M ABOVE ROOF LVL AND THEY WILL HAVE AN ENCLOSURE WALL OF NON-COMBUSTIBLE MATERIAL WITH FIRE RESISTANCE OF NOT LESS THAN 2 HOURS. THE CHUTES WILL BE AS FAR AWAY AS POSSIBLE FROM THE EXITS.
- ALL ELECTRICAL DISTRIBUTION CABLES/WIRING WILL BE LAID IN A SEPARATE DUCT. THE CABLE WIRING WILL BE SEALED AT EVERY FLOOR WITH NON-COMBUSTIBLE MATERIAL HAVING THE SAME FIRE RESISTANCE AS THAT OF DUCT LOW AND MEDIUM VOLTAGE WIRING RUNNING IN SHAFT AND IN FALSE CEILING WILL RUN IN SEPARATE CONDUITS.
- SEPARATE CIRCUITS FOR FIRE FIGHTING PUMP, LIFTS, STAIRCASE AND CORRIDOR LIGHTING WILL BE PROVIDED DIRECTLY FROM THE MAIN SWITCH GEAR PANEL AND THESE CIRCUITS WILL BE LAID IN A SEPARATE CONDUIT PIPES SO THAT FIRE IN ONE CIRCUIT WILL NOT AFFECT THE OTHER MASTER SWITCHES CONTROLLING ESSENTIAL SERVICE CIRCUITS WILL BE CLEARLY LABELLED.
- ALL ROUTES LEADING TO EXITS WILL BE CLEARLY MARKED. EMERGENCY LIGHTS WILL BE PROVIDED IN ALL THE CORRIDORS AND STAIRCASES.

NOTES:-

MANUAL CALL POINT AT 1200MM ABOVE FINISHED FLOOR LEVEL
HOOTER AT 2250 MM ABOVE FINISHED FLOOR LEVEL

FIRE HOSE CABINET COMPRISING OF 63MM Ø SINGLE HEADED LANDING VALVE 2 LENGTH OF 7.5 M, 63MM Ø C.P HOSE 19MM Ø REINFORCED RUBBER HOSE REEL 30.0M LONG WITH DRUM FOR EVERY 1000 sqm. FLOOR AREA ONE WET RISER DOWN COMER OF CLASS 'B' M.S. PIPE 100mm Ø PER 1000 sqm. FLOOR AREA

FIRE ALARM SYSTEM

MANUAL CALL POINT SHALL BE PROVIDED IN ALL THE FLOORS
HOOTER SHALL BE PROVIDED IN ALL FLOORS

STAIRCASE

TREAD - 250mm
RISER - 167mm
STAIRCASE WIDTH - 1400mm (MIN)
STAIRCASE HEADROOM - 2200mm (MIN)
NUMBER OF RISER PER FLIGHT - 18
HEIGHT OF HANDRAIL 1000mm (MIN)
GAP BETWEEN TWO VERTICALS - 150MM

LIFT "FIRE LIFT"

LIFT CAPACITY - 8 PASSENGER
LIFT WITH AUTOMATIC OPERATED DOOR (SELF CLOSING TYPE)

EXTINGUISHER

CARBON-DI-OXIDE EXTINGUISHER NEAR MSB AND LIFTS
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 AT 2 Nos. FOR EVERY 8 CARS

REFUSE AREA

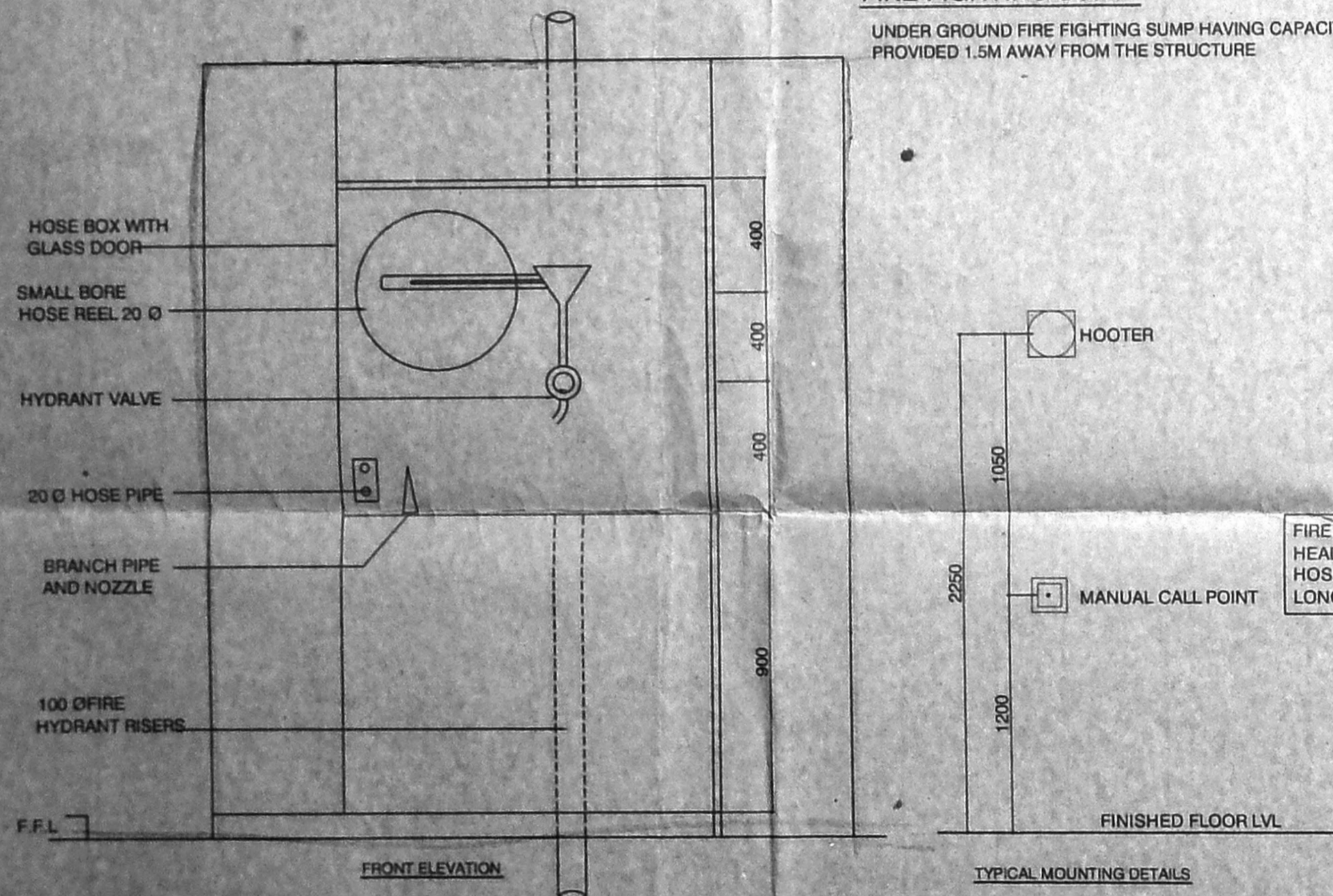
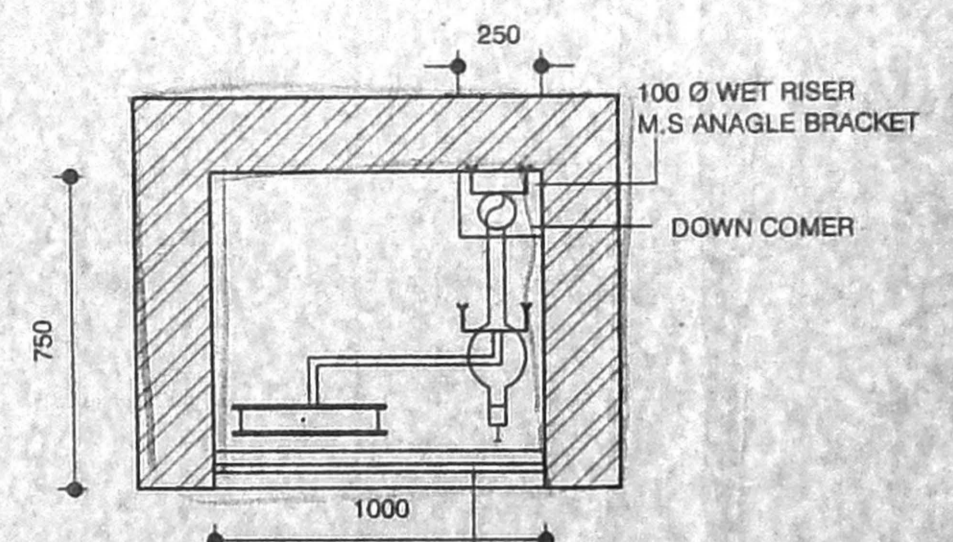
REFUSE HAS BEEN PROVIDED AT EIGHTH FLOOR

FIRE FIGHTING SUMP

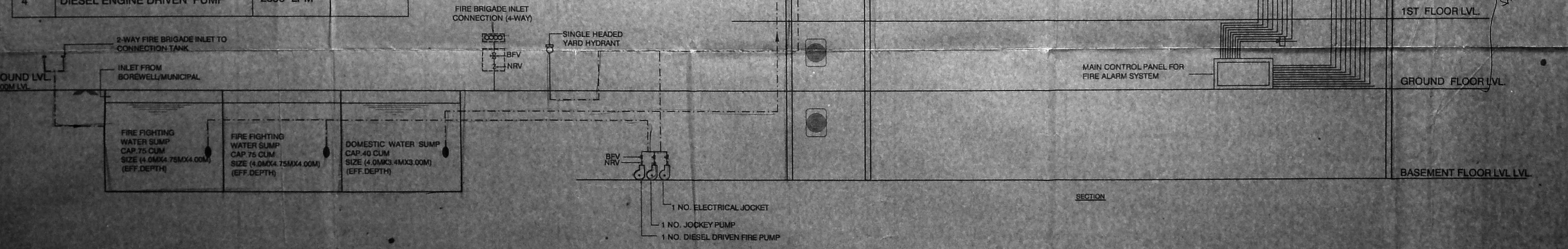
UNDER GROUND FIRE FIGHTING SUMP HAVING CAPACITY OF 1.50 LAKHS LITRES PROVIDED 1.5M AWAY FROM THE STRUCTURE

S.NO	DESCRIPTION	U.G. SUMP CAP IN CUM	FIRE WATER SUMP CAP IN CUM	REMARKS
1.	BUILDING		150 CUM	
2.	OHT		20 CUM	

OFFICE COPY
DOMESTIC WATER PUMP
APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER
No. 1787/2005 D.D. 5/11/2005
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI - 600 008.



S.NO	DESCRIPTION	CAPACITY	REMARKS
1	JOCKEY PUMP AT PUMP ROOM	180 LPM	
2	JOCKEY PUMP AT TERRACE LVL	450 LPM	
3	MAIN ELECTRICAL PUMP	2850 LPM	
4	DIESEL ENGINE DRIVEN PUMP	2850 LPM	



LEGEND :- Revised plan dt. 4/5/2005

- FIRE HOSE CABINET
- MANUAL CALL POINT
- HOOTER
- CARBON-DI-OXIDE EXTINGUISHER
- SMOKE DETECTOR
- MAIN CONTROL FIRE ALARM PANEL
- FIRE BRIDGE INLET CONNECTION (4 WAY) (TOTAL 1 NO.)
- SINGLE HEADED YARD HYDRANT
- BUTTERFLY VALVE
- FIRE DOOR
- FOOT VALVE
- FIRE PUMP
- NON RETURN VALVE
- FIRE FIGHTING WATER LINE

SPECIFICATIONS :-

- PILE FOUNDATION IN CONCRETE M25 GRADE
- RCC COLUMN IN CONCRETE M40 GRADE
- RFT SLAB BEAMS COLUMN AND RCC WALLS IN CONCRETE M25 GRADE
- R.C.C BEAMS, LINTELS, SLABS, SUNSHADE ETC IN CONCRETE M30 GRADE
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SCALE : 1:100 DATE:14-08-2003
JOB NO : 913 DRAWN :

SHEET No: 5B
COLOUR INDEX
PROPOSED

➔ N
(P.A. HOLDER) OWNERS SIGNATURE

STRUCTURAL ENGINEER

V. BALAKUMAR
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C.Eng., M.I.E., F.I.G.S., F.I.V.
Approved Value
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ARCHITECT

R.SATHYANARAYANA, b.arch, a.i.a.

R. SATHYANARAYANA, B.Arch, A.I.A.
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