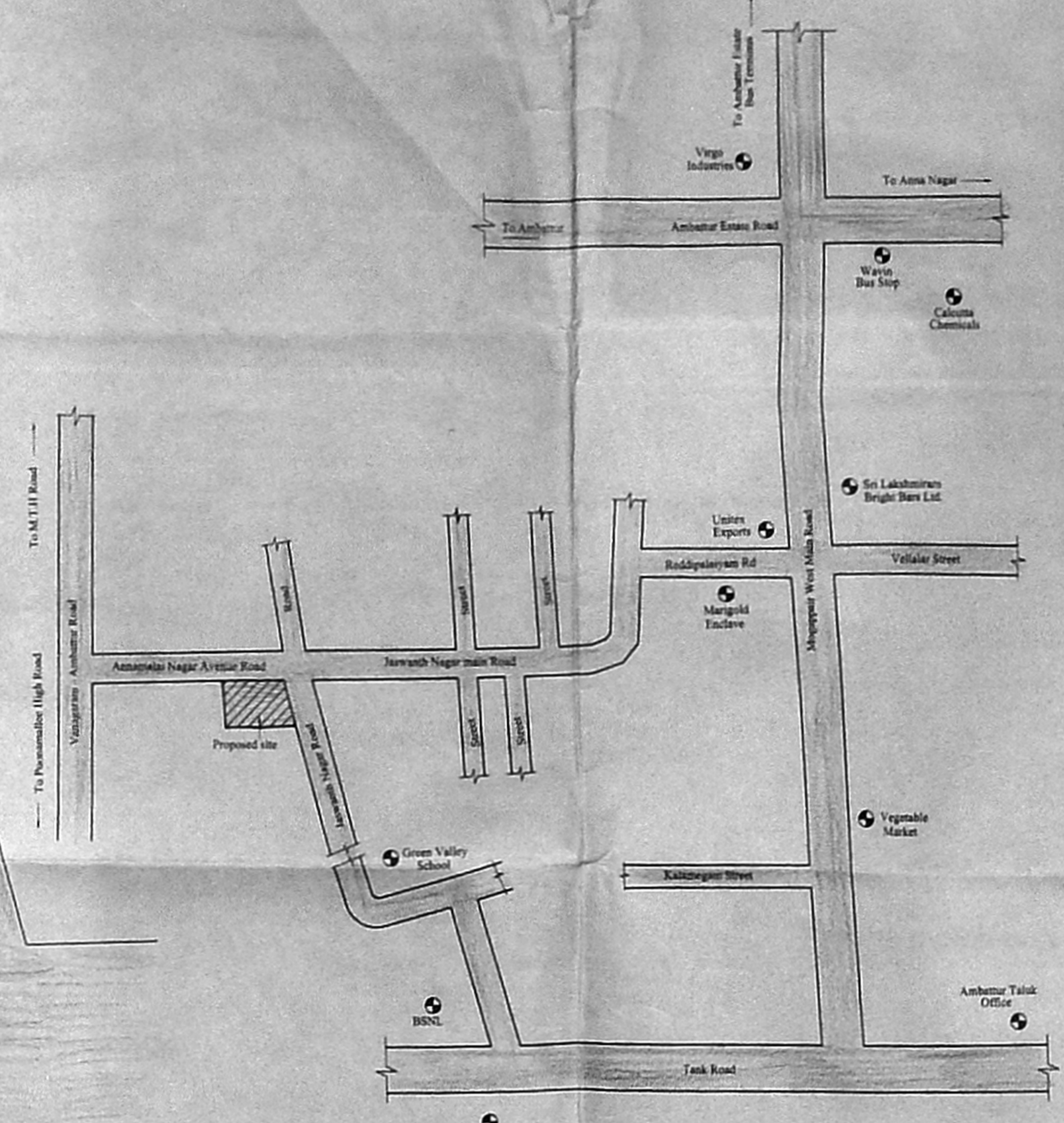
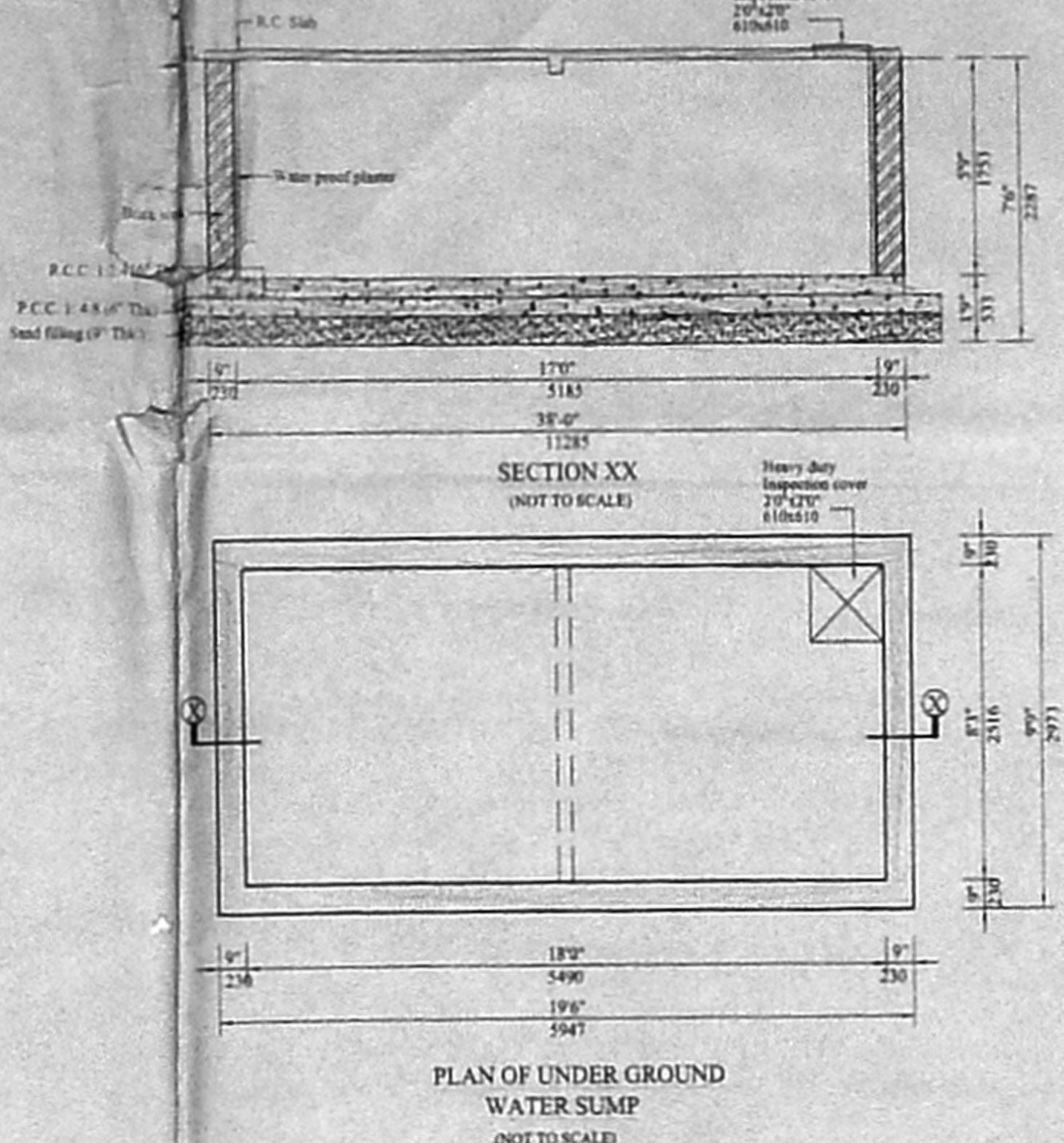
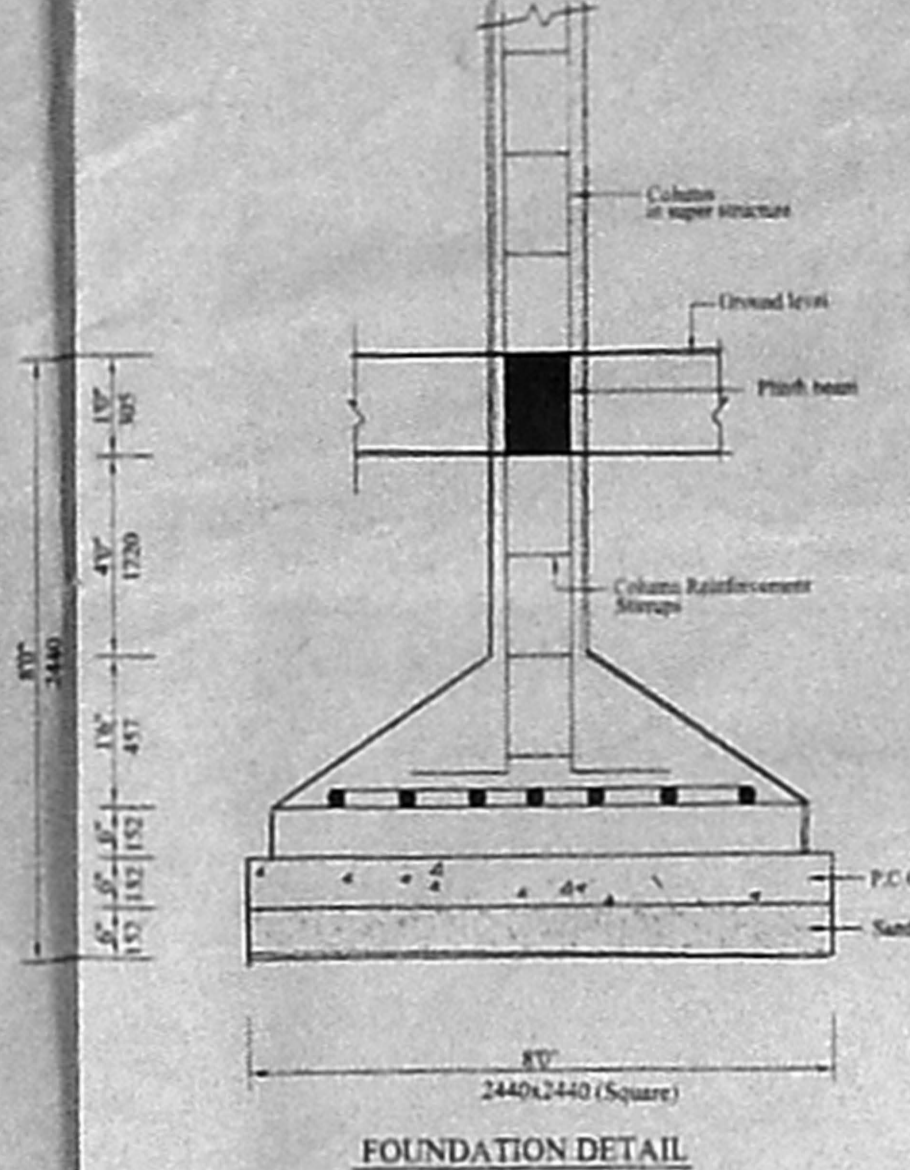
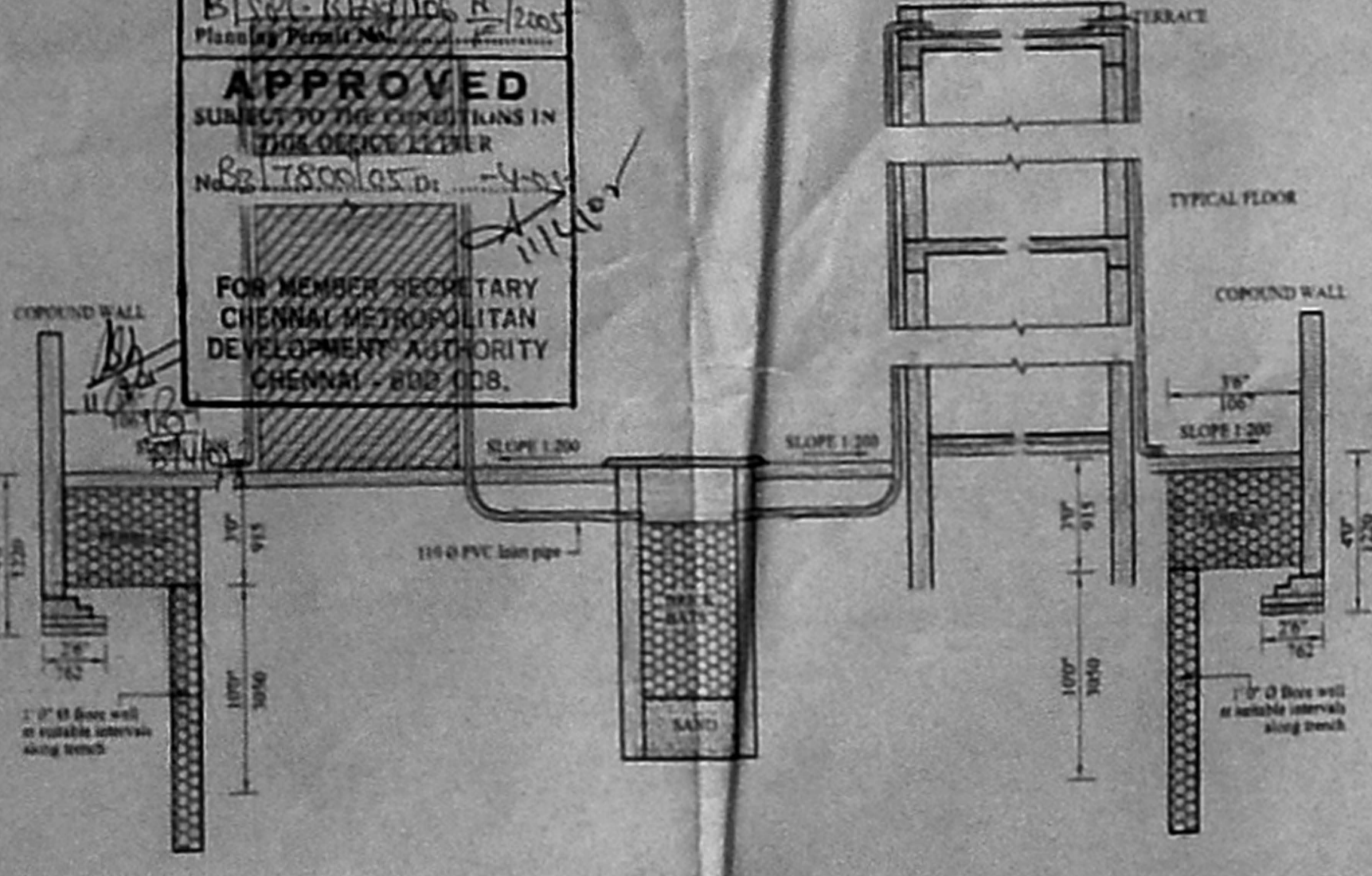


OFFICE COPY

APPROVED
SUMMARY OF CONDITIONS IN
THE PROPOSED PLAN
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
P/5004/2009/103



120791
141 R.P. No. 10-3-84

COLOUR INDEX

PROPOSED **CMDA (B) Form No. 1**
C. No. 103/1/2009/103

ROAD **SEWER LINE**

BOUNDARY **Scrutiny**

AREA STATEMENT D.P.

TYPE	SQ. FT.	SQ. M.
PLOT AREA	12,118	3,903.53
BLOCK - A		
GROUND FLOOR AREA	3,477	323.45
FIRST FLOOR AREA	3,477	323.45
SECOND FLOOR AREA	3,477	323.45
THIRD FLOOR AREA	3,398	315.80
TOTAL AREA	13,829	1,286.15
BLOCK - B		
STILT FLOOR AREA	232	21.56
FIRST FLOOR AREA	2,533	235.40
SECOND FLOOR AREA	2,533	235.40
THIRD FLOOR AREA	2,533	235.40
FOURTH FLOOR AREA	2,533	235.40
TOTAL AREA	10,364	963.16
BLOCK - C		
GROUND FLOOR AREA	3,477	323.45
FIRST FLOOR AREA	3,477	323.45
SECOND FLOOR AREA	3,477	323.45
THIRD FLOOR AREA	3,398	315.80
TOTAL AREA	13,829	1,286.15
BLOCK - D		
STILT FLOOR AREA	232	21.56
FIRST FLOOR AREA	2,533	235.40
SECOND FLOOR AREA	2,533	235.40
THIRD FLOOR AREA	2,533	235.40
FOURTH FLOOR AREA	2,533	235.40
TOTAL AREA	10,364	963.16
TOTAL BUILT-UP AREA	48,386	4,498.62

F.S.I - 1.49
PLOT COVERAGE - 37.19%
NO. OF CAR PARKS PROVIDED - 16
(Stall size - 5m x 3m)
NO. OF TWO WHEELER PARKING PROVIDED - 32 NOS
(Stall size - 2m x 1.5m)

218'0" (66490) DIMENSION AS PER REGULARISATION PLAN

205'0" (62525) AS PER SITE

209'3" (63821) AS PER PATTA

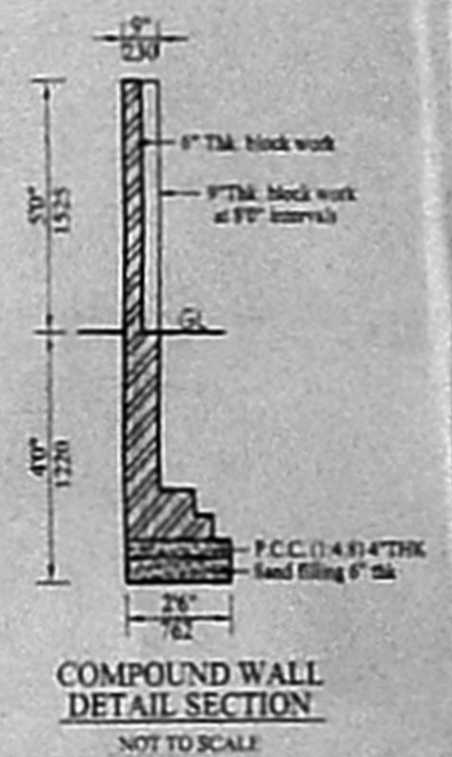
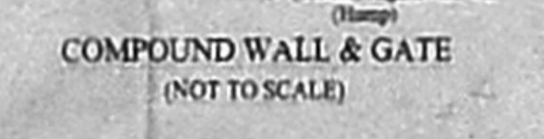
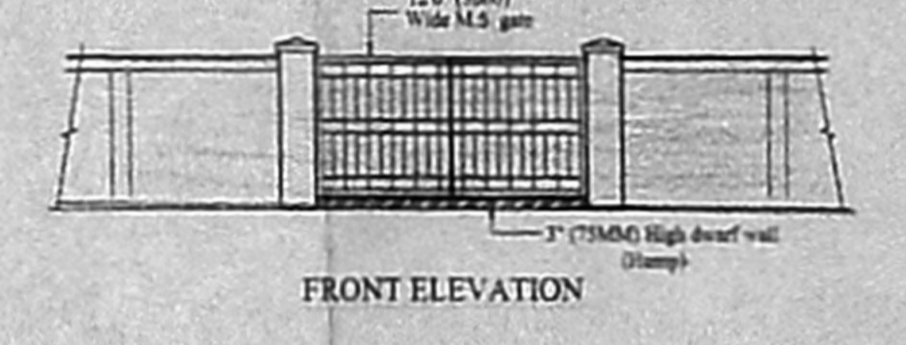
154'3" (47037) AS PER PATTA

150'4.5" (45866) AS PER SITE

150'0" (45780) DIMENSION AS PER REGULARISATION PLAN

240'6" (73352) DIMENSION AS PER REGULARISATION PLAN

SITE PLAN
SCALE: 1" = 8'



Elas Koshy

ELIAS KOSHY
ARCHITECT / LICENSED SURVEYOR
CORPORATION OF CHENNAI
R.A. NO. 237

LICENSED SURVEYOR

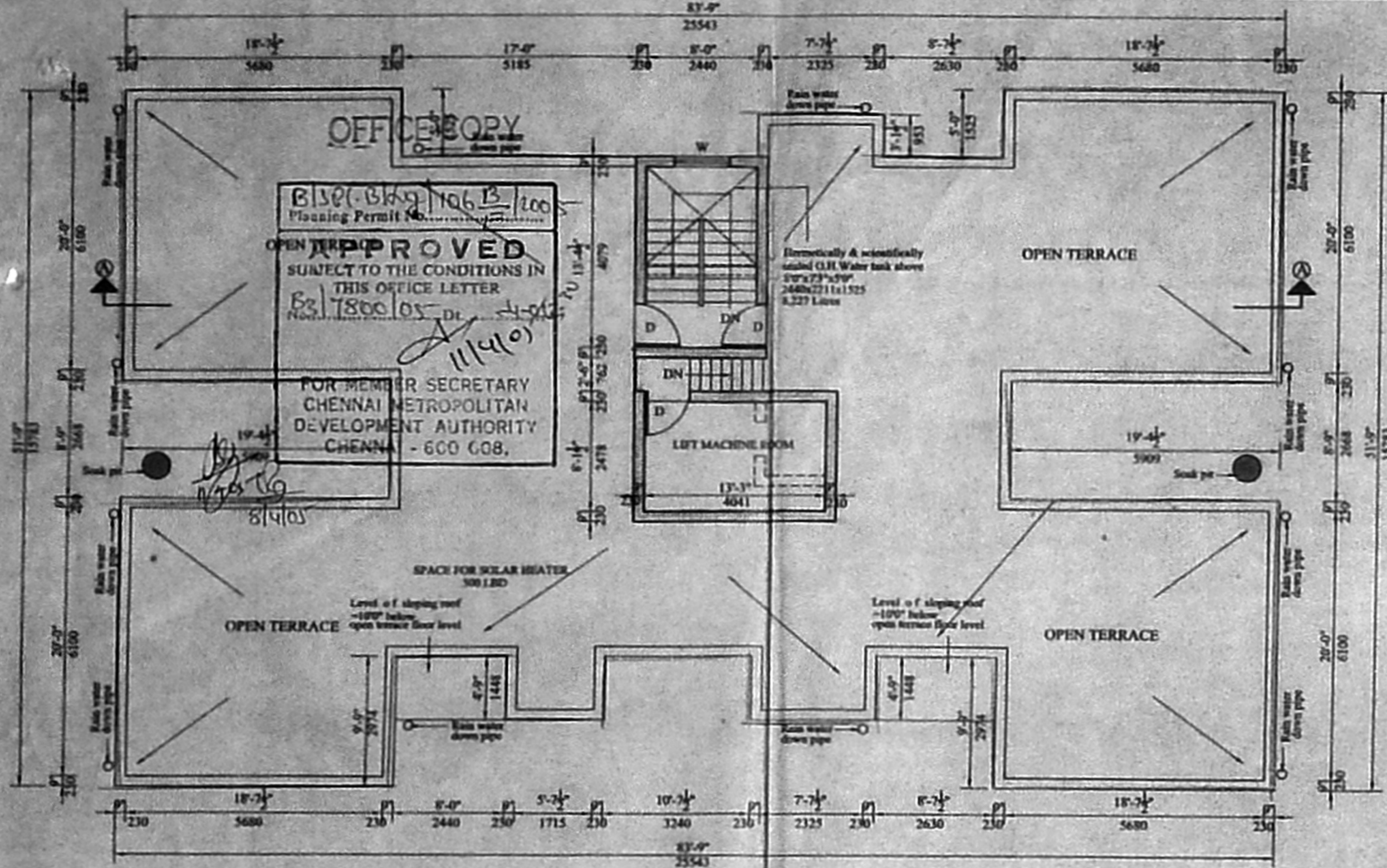
For **COPO ENGINEERING PVT. LTD.**
Spears
Managing Director

OWNER SIGNATURE

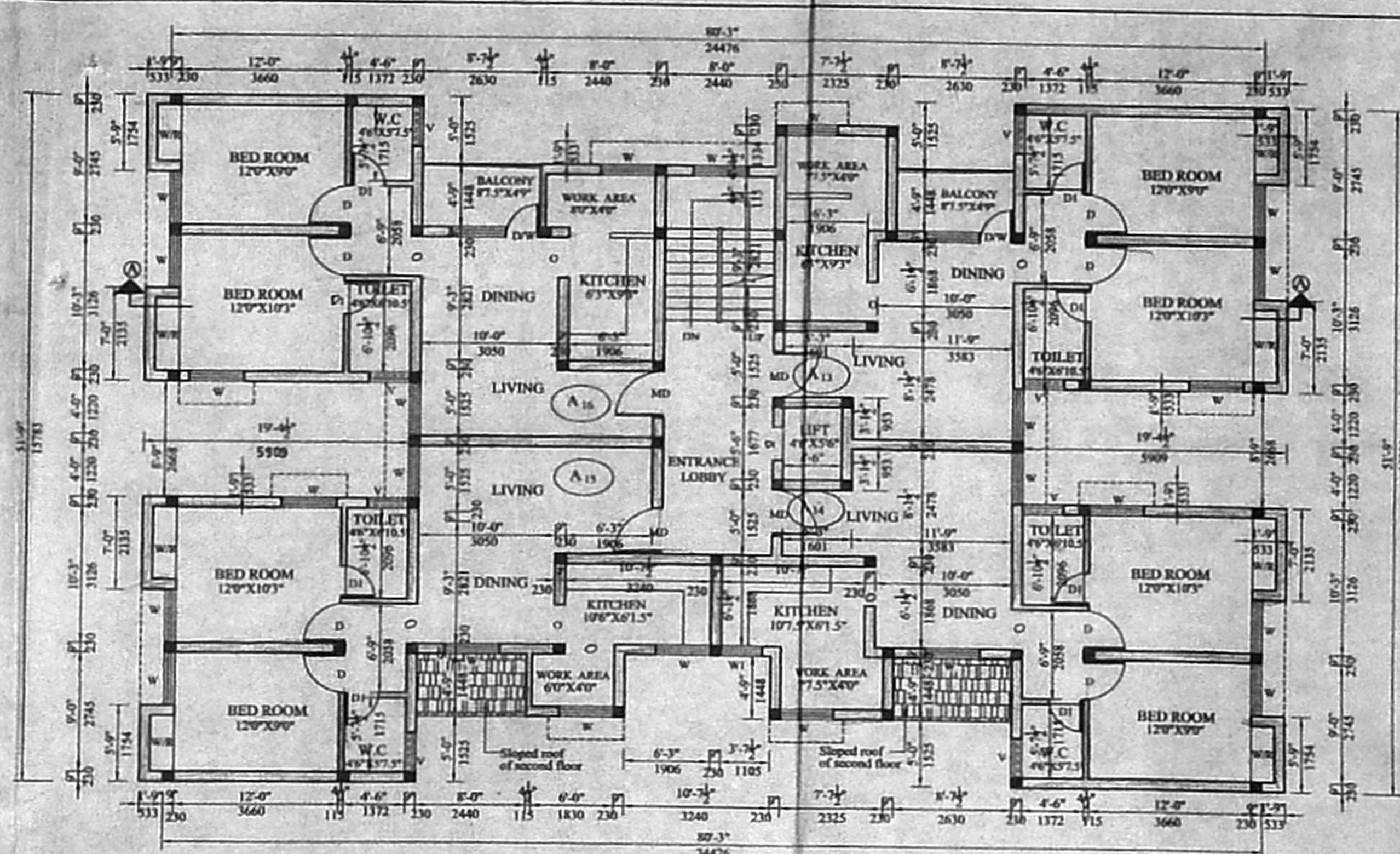
PLAN FOR PROPOSED RESIDENTIAL FLATS
TO BE DEVELOPED BY M/S. COPCO ENGG.
PVT. LTD. IN PLOT NO. 8.9, ON ANA AVENUE
ATHIPET, CHENNAI-600 037, BEARING
S. NO. 97/2B, 2C, 100/2, 100/3 (PART), 110-3A & 3B
ATHIPET VILLAGE, AMBATHUR TALUK,
THIRUVALLUR DISTRICT.

N	SCALE: 1"=80' (1:2032)	SHEET SIZE
	DATE: 1-5-2004	A0
	DRAWN: T. VELAMURUGAN	DRG NO
	CHECKED:	①

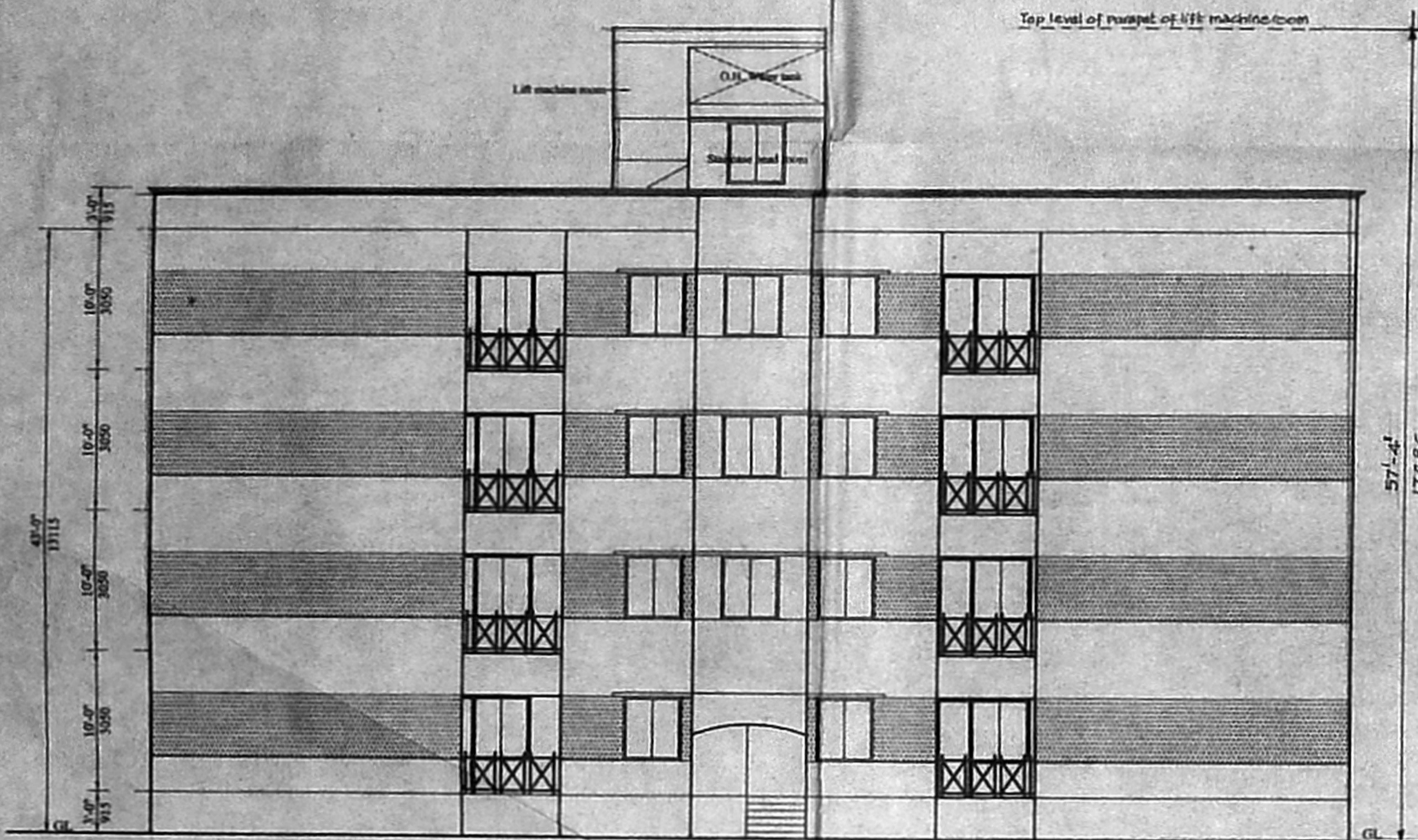
ARCHITECT
ELIAS KOSHY
C.A. No. 1116
65, NELSON MANICKAM ROAD
CHENNAI - 600 029



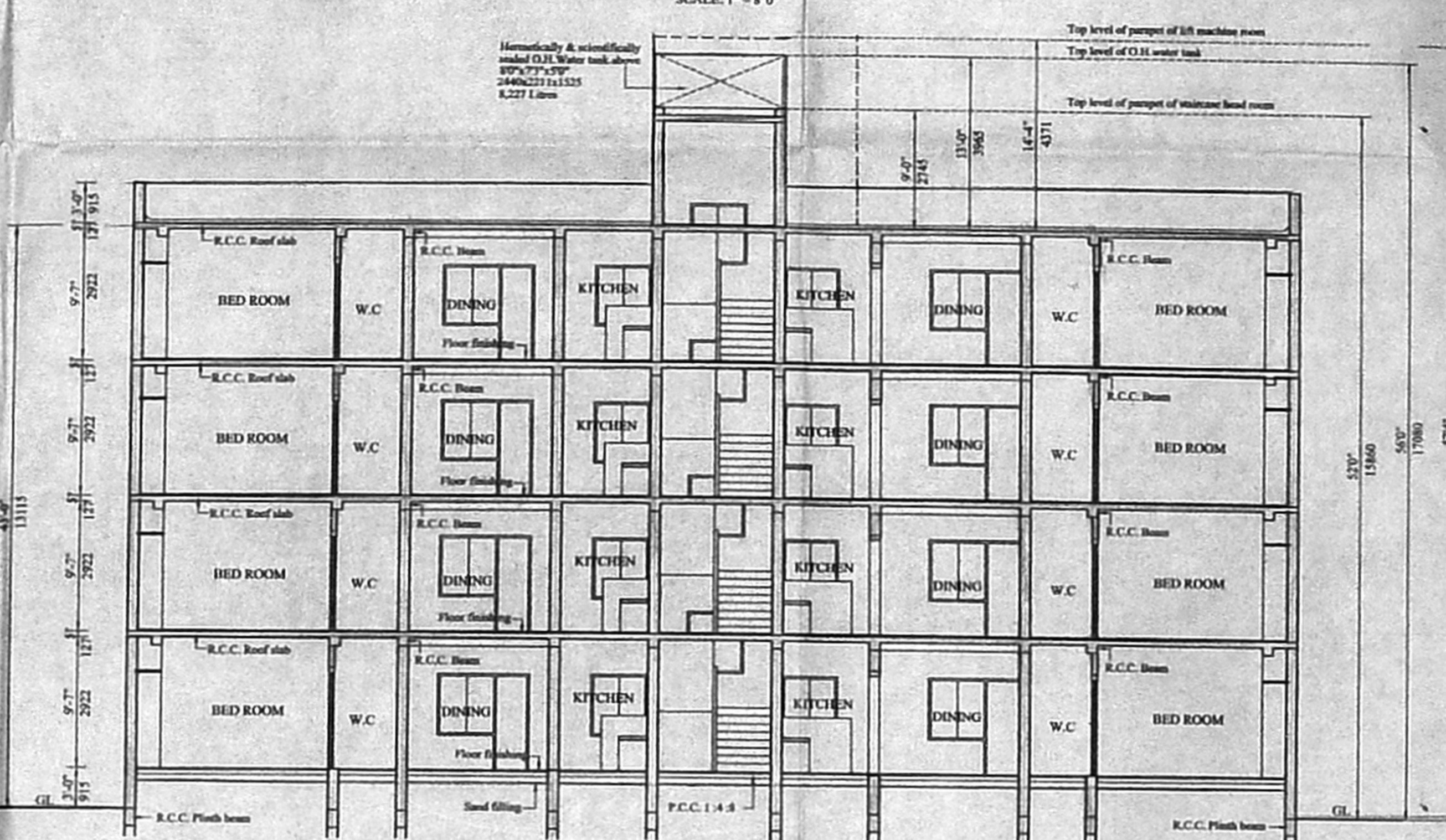
TERRACE PLAN
 SCALE: 1" = 8'-0"



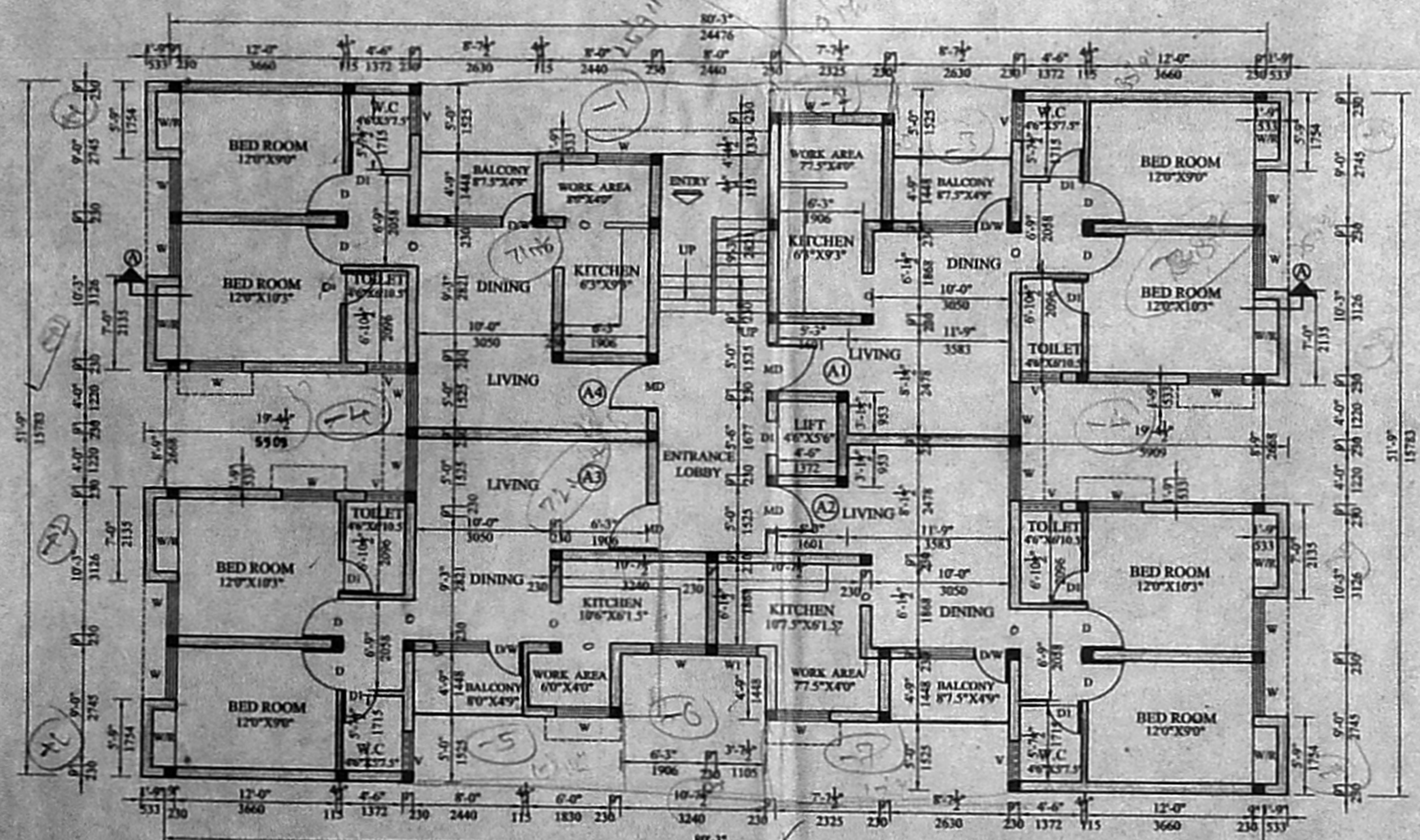
THIRD FLOOR PLAN
 SCALE: 1" = 8'-0"



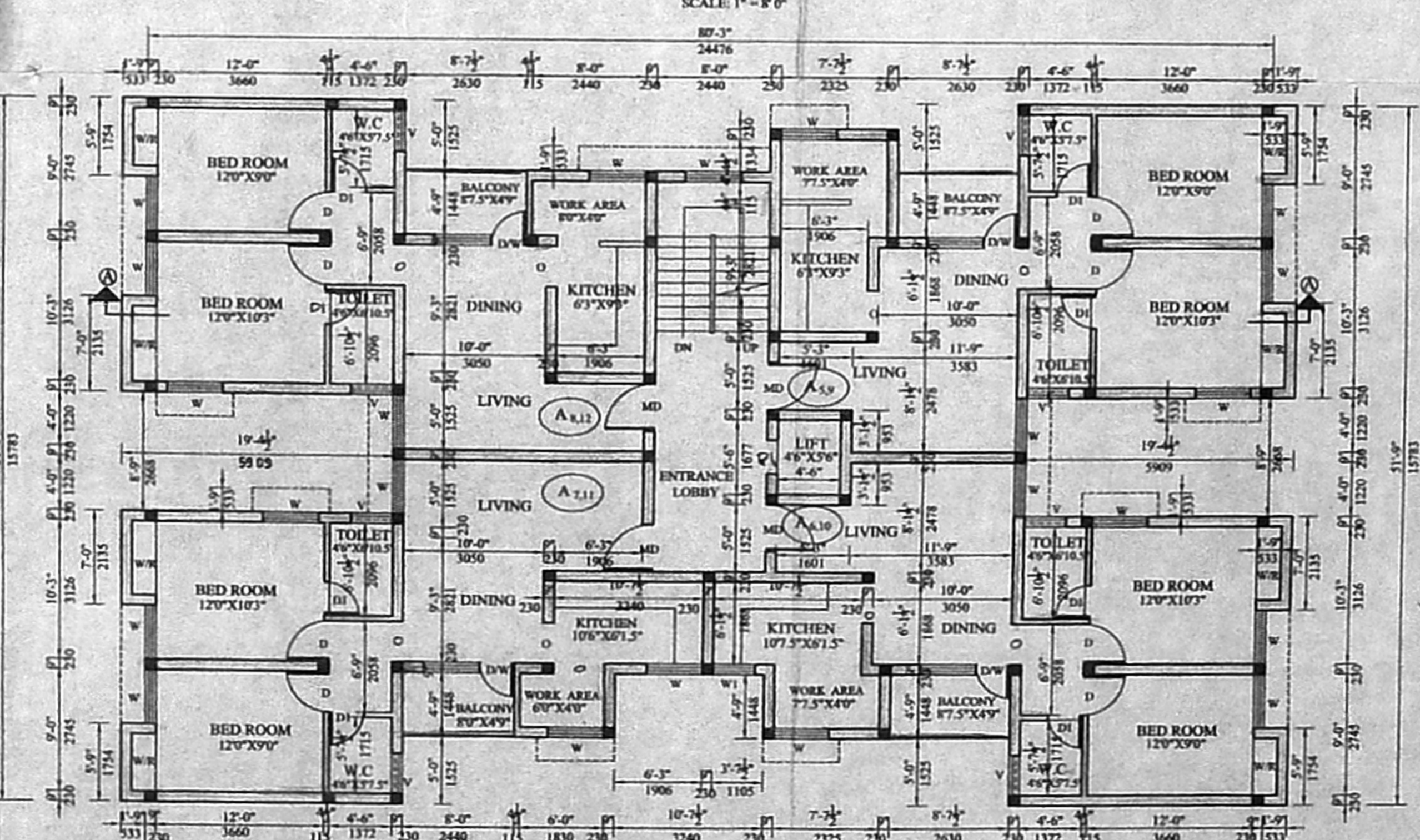
NORTH ELEVATION
 SCALE: 1" = 8'-0"



CROSS SECTION - AA
 SCALE: 1" = 8'-0"



GROUND FLOOR PLAN
 SCALE: 1" = 8'-0"



TYPICAL FLOOR PLAN
 (FIRST & SECOND FLOOR PLANS)
 SCALE: 1" = 8'-0"

DETAILS FOR BLOCK - A

SCHEDULE OF JOINERY		
TYPE	OPENING SIZE	DESCRIPTION
MD	30"x70"	T.W. (WASH) DOOR
D	30"x70"	P.W. (WASH) DOOR
D1	20"x70"	PAINABLE FLUSH DOOR
W	40"x40"	C.W. GLAZED WINDOW
W1	30"x40"	C.W. GLAZED WINDOW
D/W	40"x40"	PAINABLE FLUSH DOOR WITH ALUMINUM SLIDING WINDOW
O	30"x70"	OPENING
V	30"x20"	C.W. GLAZED VENTILATOR

SPECIFICATION

FOUNDATION: ISOLATED R.C.C. COLUMNS FOOTING ON A MESH OF STEEL REINFORCEMENT OVER A LAYER OF P.C.C. (1:4:8) 6" THK. OVER SAND - LIME FILL AND CONNECTED AT GROUND LVL. BY PLINTH BEAM.

SUPER-STRUCTURE: BRICK WORK/ BLOCK WORK IN CEMENT MORTAR (1:5) AND R.C.C. (1:2:4) COLUMNS, LINTEL, BEAM AND SLAB.

FLOORING: CERAMIC TILES ON A LAYER OF P.C.C. (1:4:8)

ROOF: R.C.C. (1:2:4) FOR ROOF SLAB, LINTELS AND THE BEAMS. ROOF SURFACE FINISHED WITH LAYER OF BRICK RELLY CONCRETE TOPPED WITH PRESSED CLAY TILES AS WEATHERING COURSE.

JOINERY: ALL JOINERY IN WELL SEASONED COUNTRY WOOD.

FINISHES: INTERIORS PLASTERED AND PAINTED WITH CEMENT PAINT; EXTERIORS PLASTERED AND PAINTED WITH CEMENT. JOINERY PAINTED IN SYNTHETIC ENAMEL.

COLOUR INDEX

PROPOSED STORM WATER LINE

ROAD SEWER LINE

BOUNDARY

AREA STATEMENT

TYPE	SQ. FT.	SQ. M.
GROUND FLOOR AREA	3,477	323.45
FIRST FLOOR AREA	3,477	323.45
SECOND FLOOR AREA	3,477	323.45
THIRD FLOOR AREA	3,398	315.80
TOTAL AREA	13,829	1286.15

Elías Koshy
 ELIAS KOSHY
 ARCHITECT / LICENSED SURVEYOR
 CORPORATION OF CHENNAI
 R.A. NO: 237.

LICENSED SURVEYOR
 For COPCO ENGINEERING PVT. LTD.
Pradeep Sankar
 Managing Director

OWNER SIGNATURE
 PLAN FOR PROPOSED RESIDENTIAL FLATS TO BE DEVELOPED BY M.S. COPCO ENGG. PVT. LTD., IN PLOT NO-8.9, ON ANA AVENUE ATHIPET, CHENNAI-600 037 BEARING S.NO. 97/2B, 2C, 100/2, 100/3 (PART), 110-3A & 3B ATHIPET VILLAGE, AMBATHUR TALUK, THIRUVALLUR DISTRICT.

	SCALE: 1" = 8' (1:100)	SHEET SIZE
	DATE: 05-2004	A1
	DRAWN: T.VELMURUGAN	DRG NO
	CHECKED:	②
ARCHITECT		
ELIAS KOSHY CA / BR / 11947 55, NELSON MANICKAM ROAD CHENNAI - 600 029		

DETAILS FOR BLOCK

SCHEDULE OF JOINERY

TYPE	OPENING SIZE	DESCRIPTION
MD	3'0"X7'0"	1067X2135 T.W. FLUSH DOOR
D	3'0"X7'0"	915X2135 PAINTABLE FLUSH DOOR
D1	2'6"X7'0"	762X2135 PAINTABLE FLUSH DOOR
W	4'0"X6'0"	1220X1372 C.W. GLAZED WINDOW
W1	3'0"X6'0"	1220X1372 C.W. GLAZED WINDOW
DW	4'0"X6'0"	1220X1372 PAINTABLE FLUSH DOOR WITH ALL ALUMINIUM SLIDING WINDOW
O	3'0"X7'0"	915X2135 OPENING
V	3'0"X2'0"	915X610 C.W. GLAZED VENTILATOR

SPECIFICATION

FOUNDATION: ISOLATED R.C.C. COLUMN FOOTING ON A MESH OF STEEL REINFORCEMENT OVER A LAYER OF P.C.C. (1:4:8) 6" THK. OVER SAND - LIME FILL AND CONNECTED AT GROUND LVL. BY PLINTH BEAM.

SUPER-STRUCTURE: BRICK WORK BLOCK WORK IN CEMENT MORTAR (1:4:8) AND R.C.C. (1:2:4) COLUMN, LINTEL, BEAM AND SLAB.

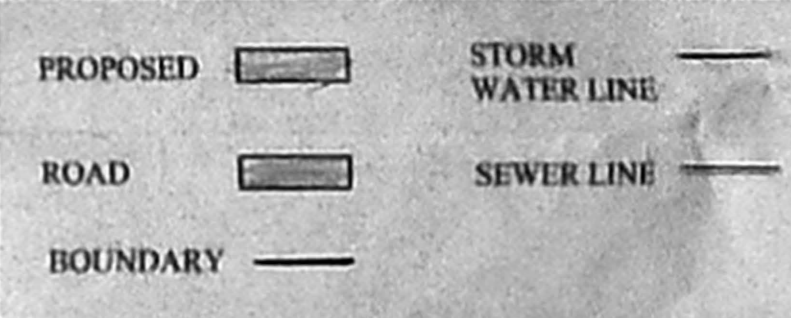
FLOORING: CERAMIC TILES ON A LAYER OF P.C.C. (1:4:8)

ROOF: R.C.C. (1:2:4) FOR ROOF SLAB, LINTELS AND THE BEAMS. ROOF SURFACE FINISHED WITH LAYER OF BRICK JELLY CONCRETE TOPPED WITH PRESSED CLAY TILES AS WEATHERING COURSE

JOINERY: ALL JOINERY IN WELL SEASONED COUNTRY WOOD

FINISHES: INTERIORS PLASTERED AND PAINTED WITH CEMENT PAINT; EXTERIORS PLASTERED AND PAINTED WITH CEMENT; JOINERY PAINTED IN SYNTHETIC ENAMEL.

COLOUR INDEX



AREA STATEMENT

TYPE	SQ. FT.	SQM.
GROUND FLOOR AREA	3,477	323.45
FIRST FLOOR AREA	3,477	323.45
SECOND FLOOR AREA	3,477	323.45
THIRD FLOOR AREA	3,398	315.80
TOTAL AREA	13,829	1286.15

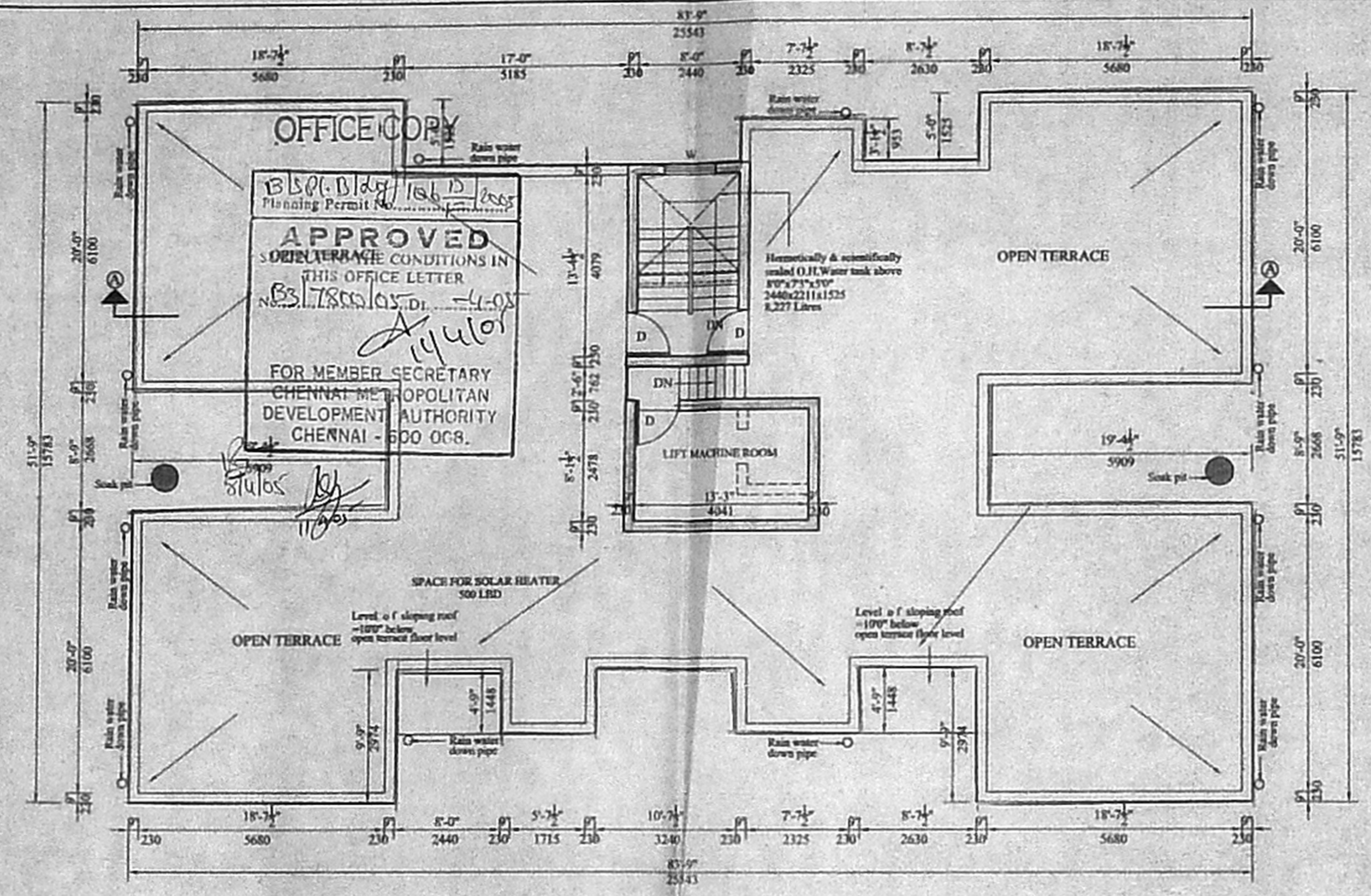
Elas
 ELIAS KOSHY
 ARCHITECT / LICENSED SURVEYOR
 CORPORATION OF CHENNAI
 R.A. NO. 237.

LICENSED SURVEYOR
 M/S. COPCO ENGG. PVT. LTD.
 Managing Director
Elas

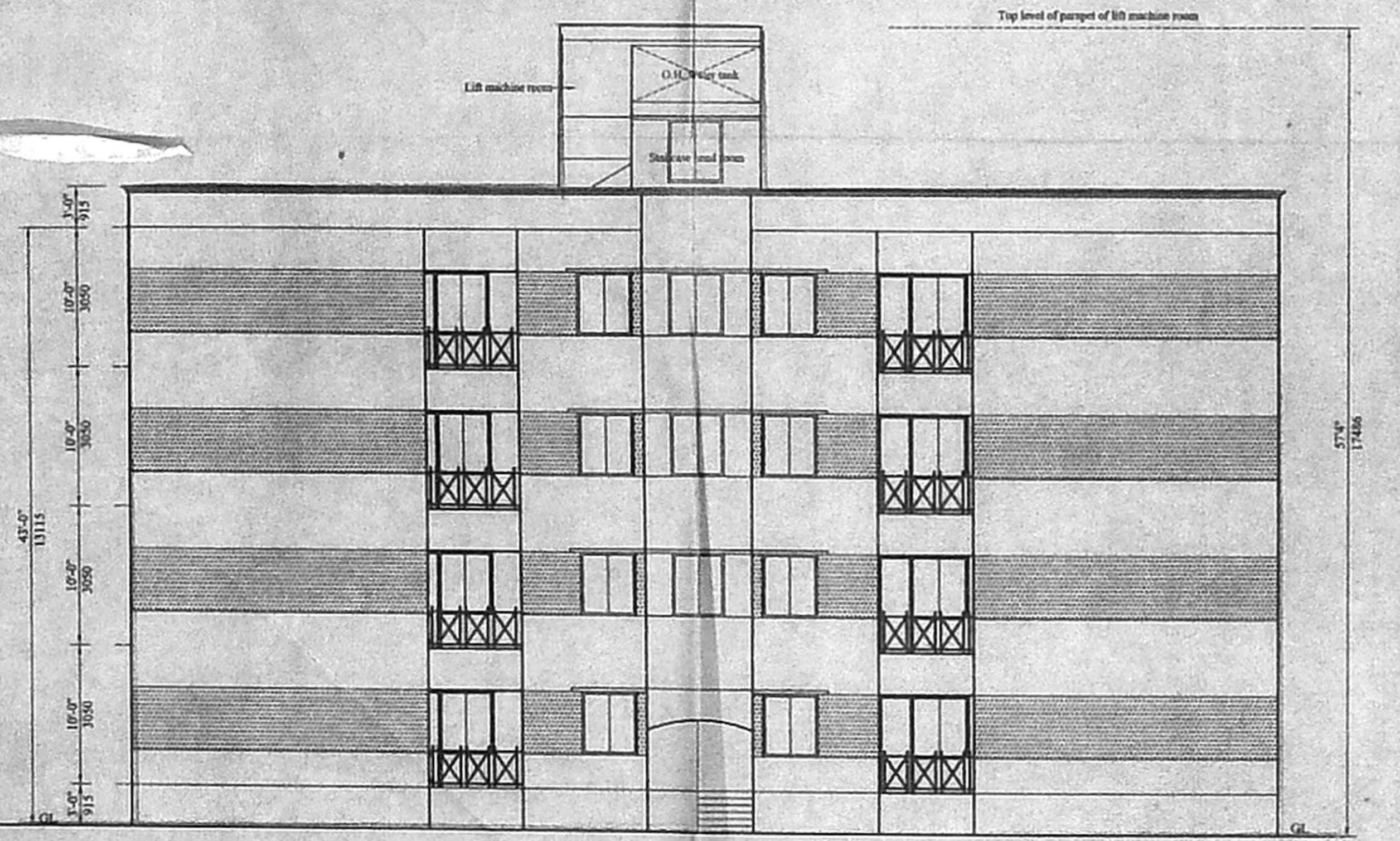
OWNER SIGNATURE
 PLAN FOR PROPOSED RESIDENTIAL FLATS
 TO BE DEVELOPED BY M/S. COPCO ENGG.
 PVT. LTD., IN PLOT NO. 8.9, ON ANA AVENUE
 ATHIPET, CHENNAI-600 037 BEARING
 S.NO. 97/2B, 2C, 100/2, 100/3 (PART), 110-3A & 3B
 ATHIPET VILLAGE, AMBATHUR TALUK,
 THIRUVALUR DISTRICT.

SCALE: 1"=8'0" (1:100)	SHEET SIZE
DATE: 3-5-2004	A1
DRAWN: T. VELMURUGAN	DRG NO.
CHECKED:	4

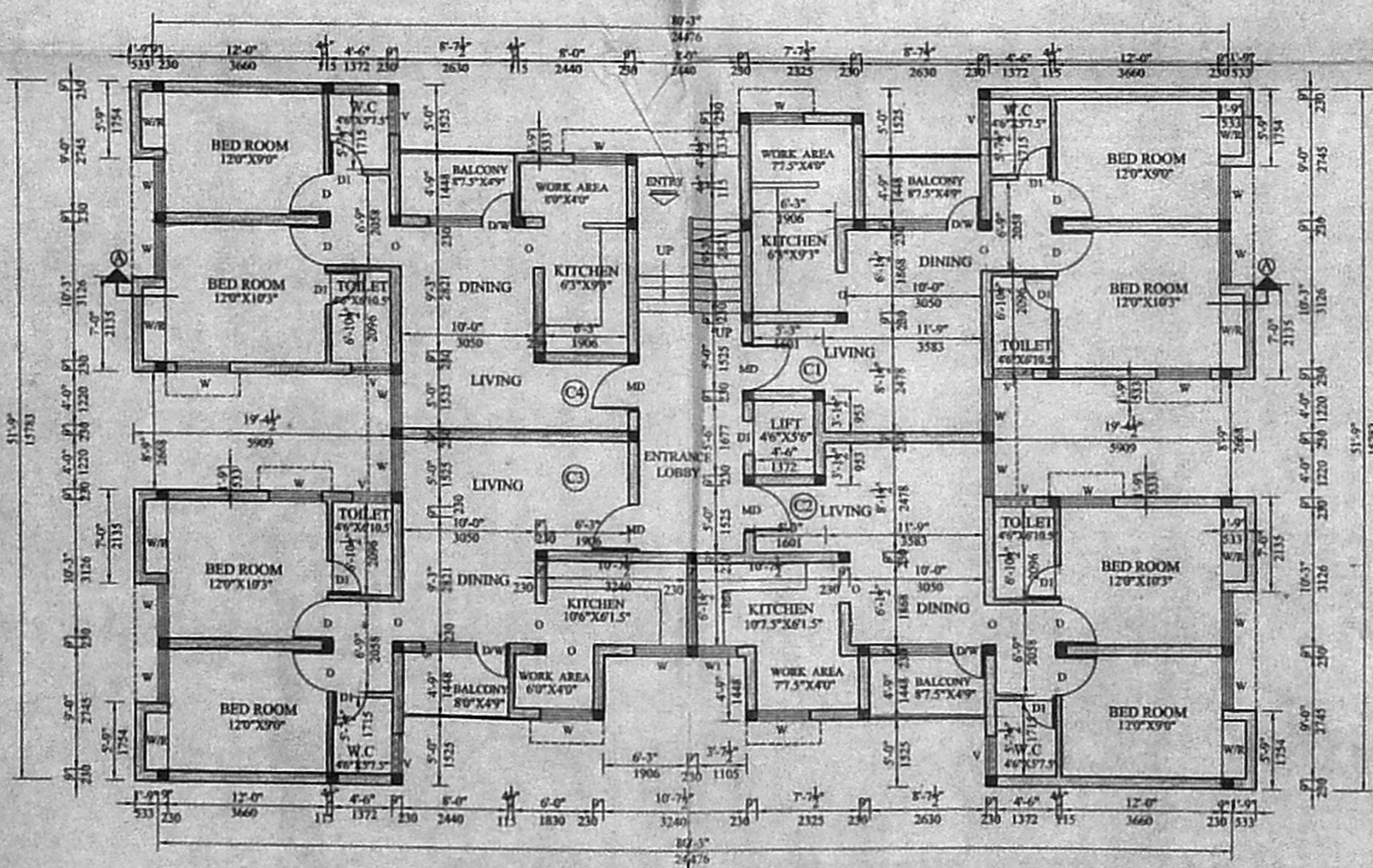
ARCHITECT
 ELIAS KOSHY
 CA / 88 / 11747
 35, NELLISON MANICKAM ROAD
 CHENNAI - 600 029



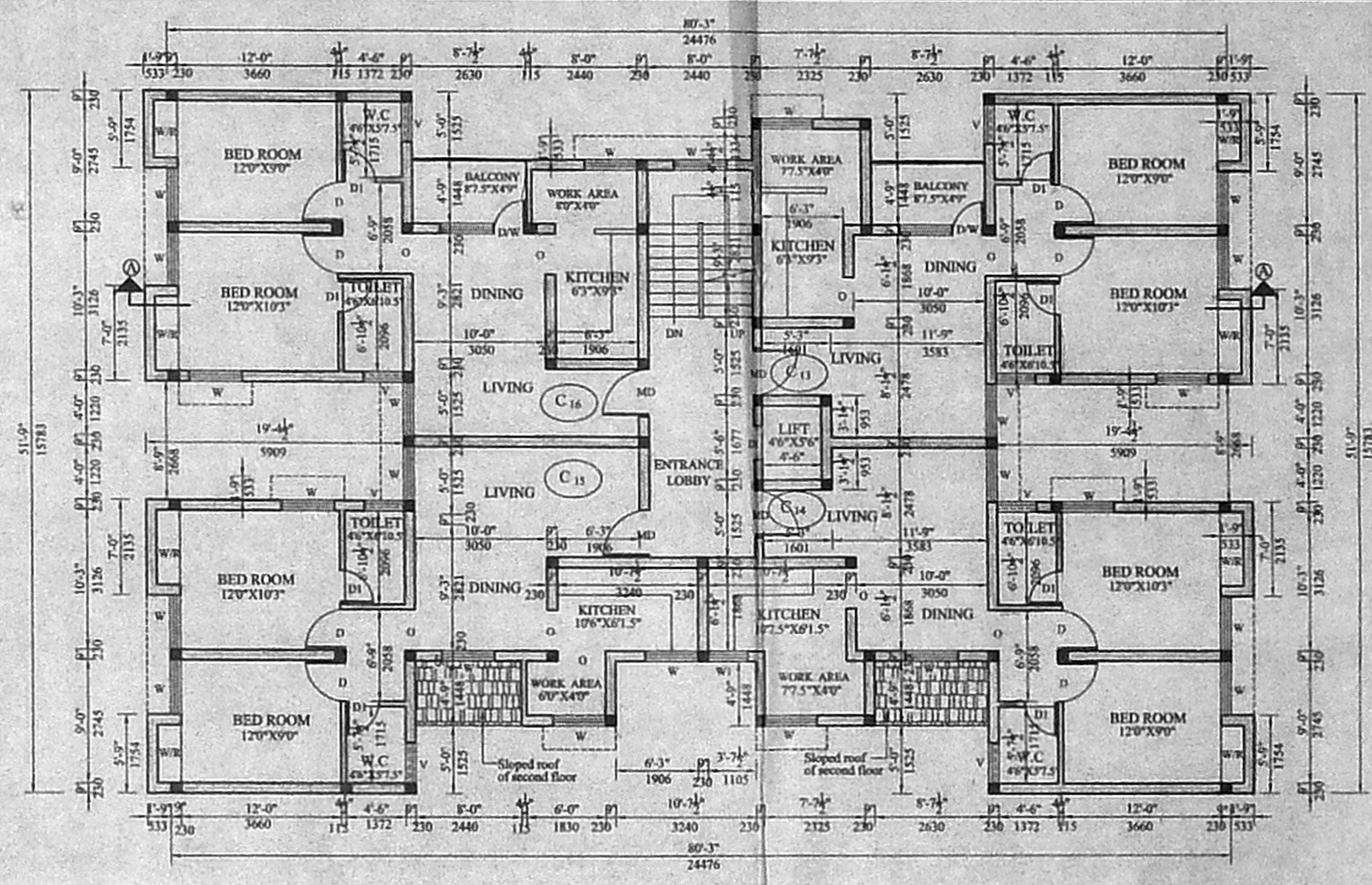
TERRACE PLAN
 SCALE: 1" = 8'0"



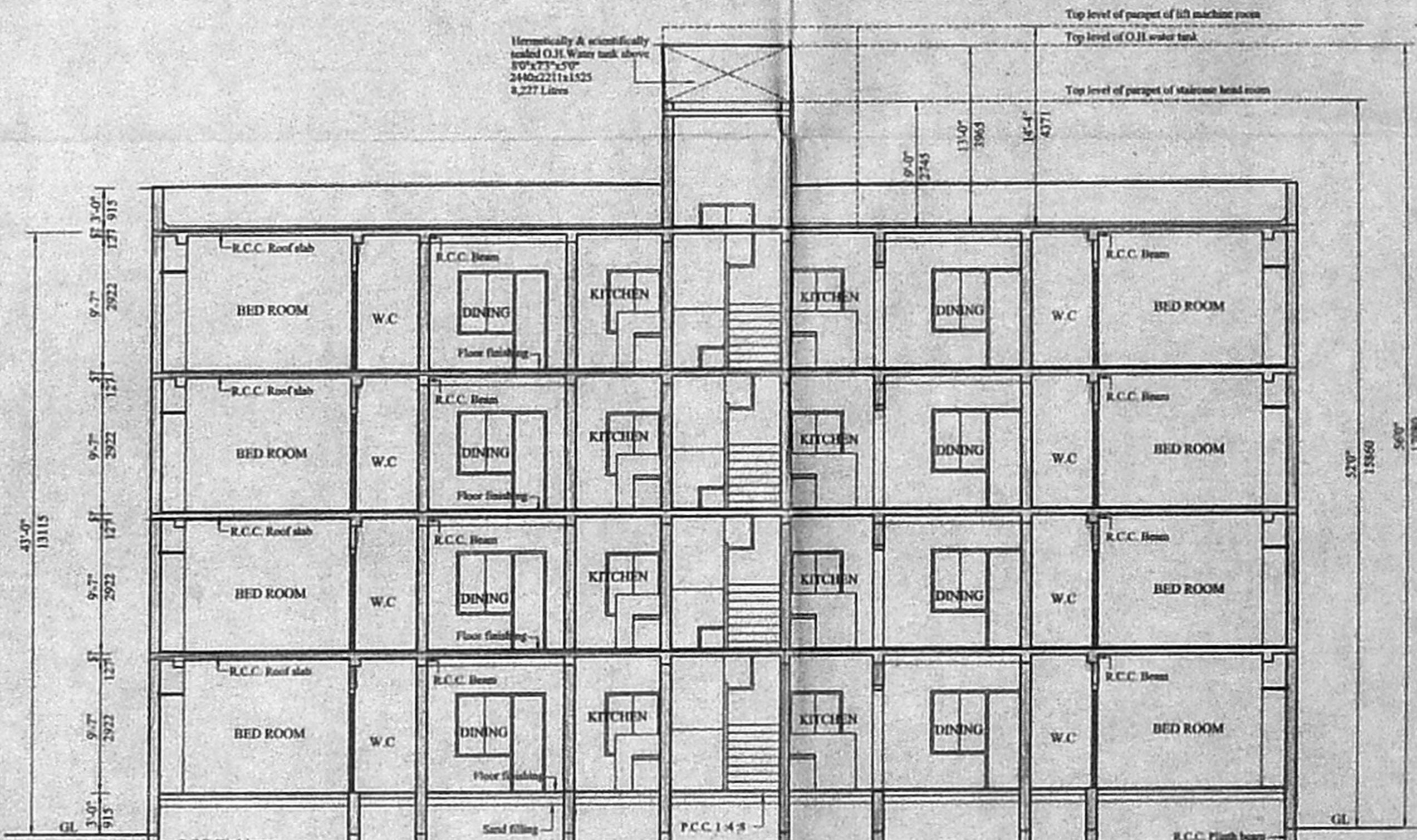
NORTH ELEVATION
 SCALE: 1" = 8'0"



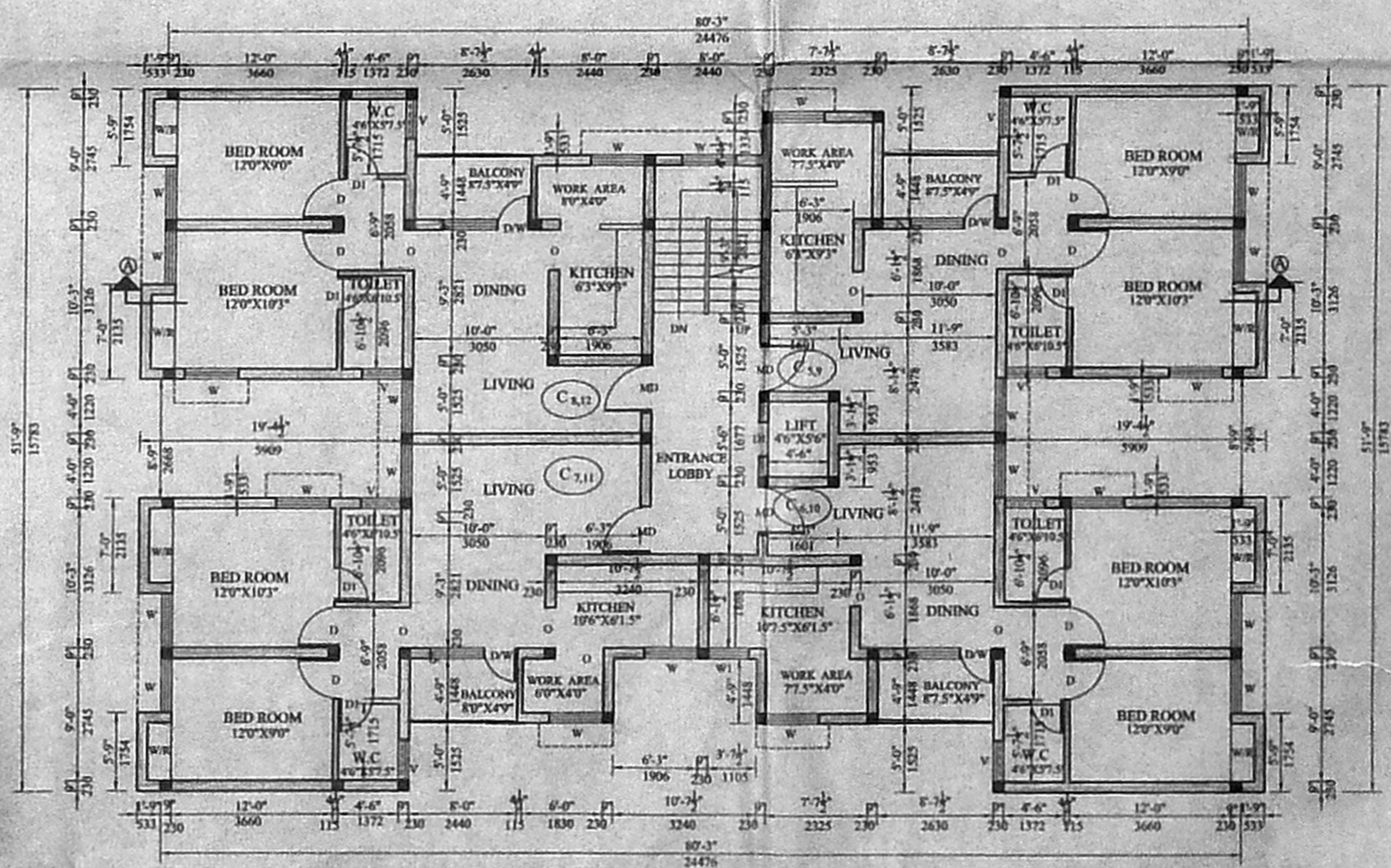
GROUND FLOOR PLAN
 SCALE: 1" = 8'0"



THIRD FLOOR PLAN
 SCALE: 1" = 8'0"



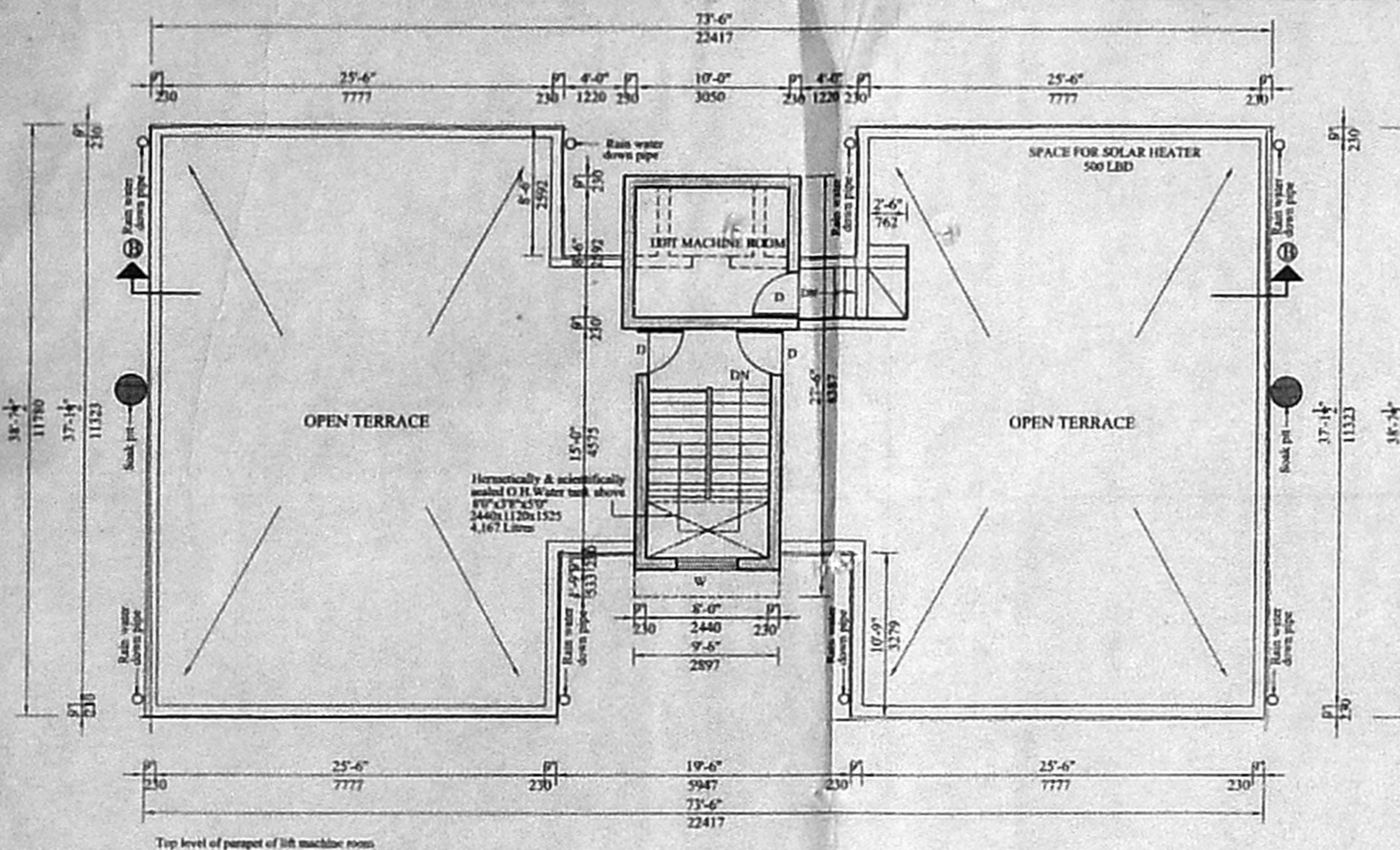
CROSS SECTION - AA
 SCALE: 1" = 8'0"



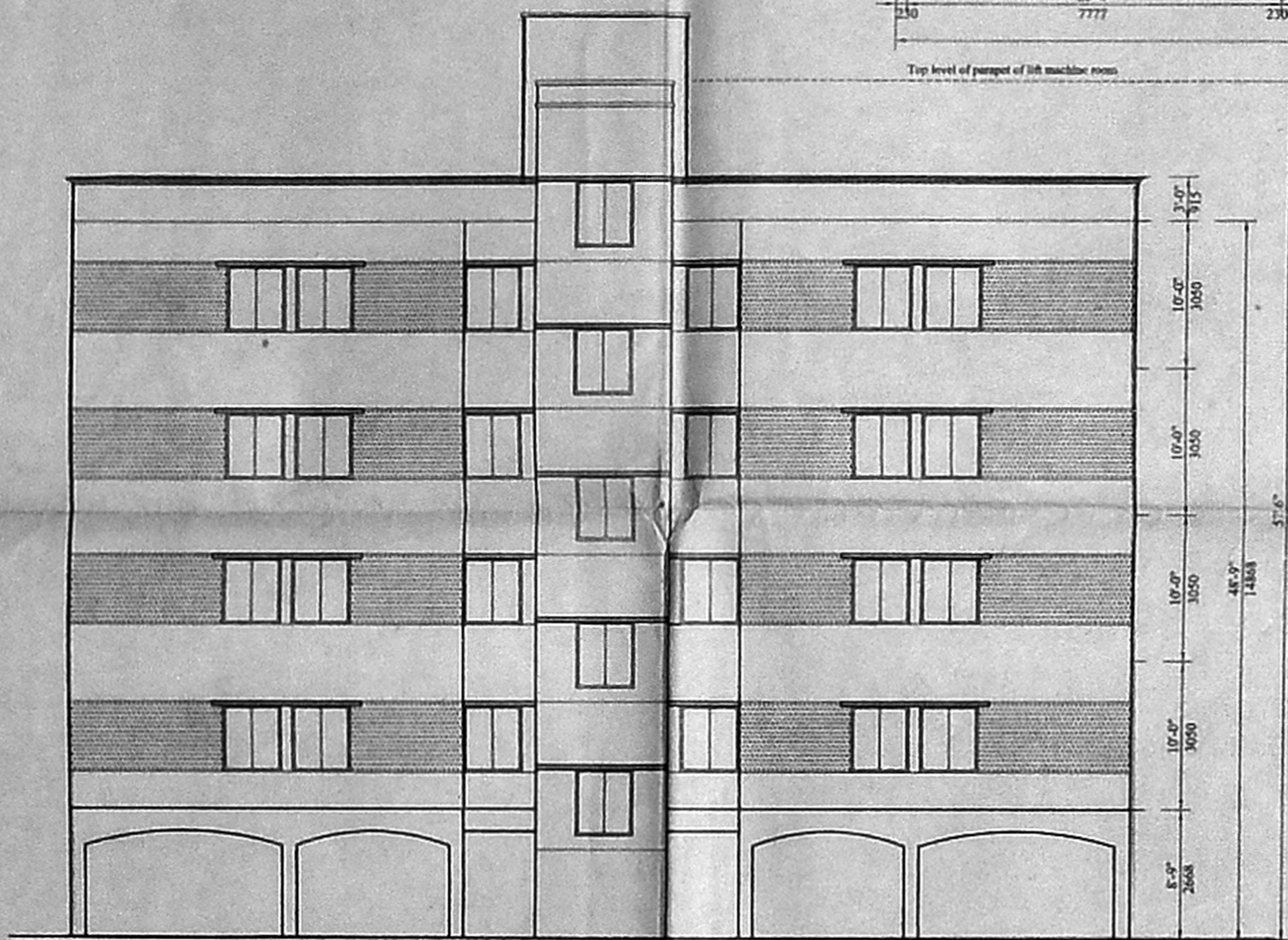
TYPICAL FLOOR PLAN
 (FIRST & SECOND FLOOR PLAN)
 SCALE: 1" = 8'0"

OFFICE COPY

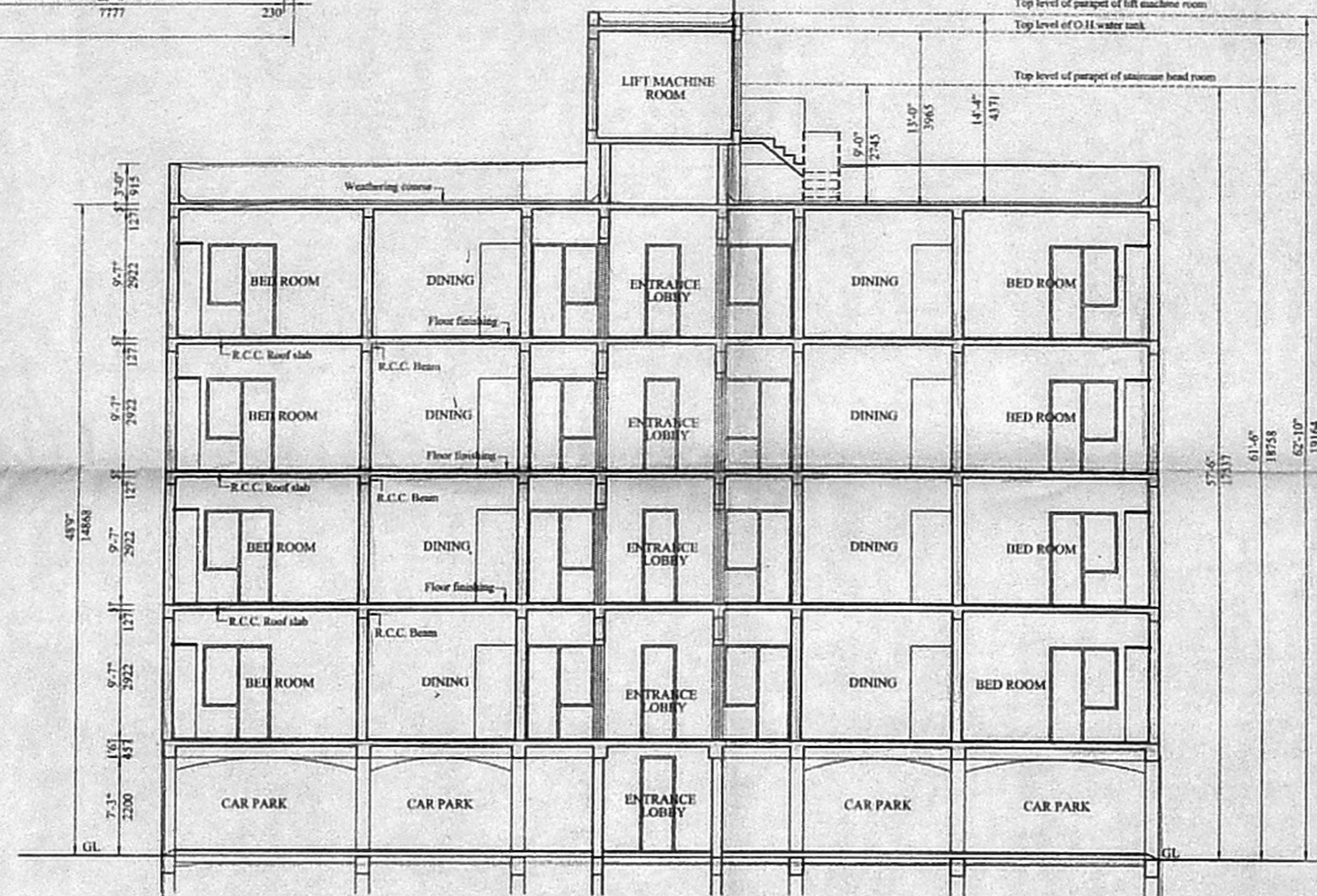
APPROVED
SUBJECT TO THE CONDITIONS IN
THIS OFFICE LETTER
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI - 600 008.



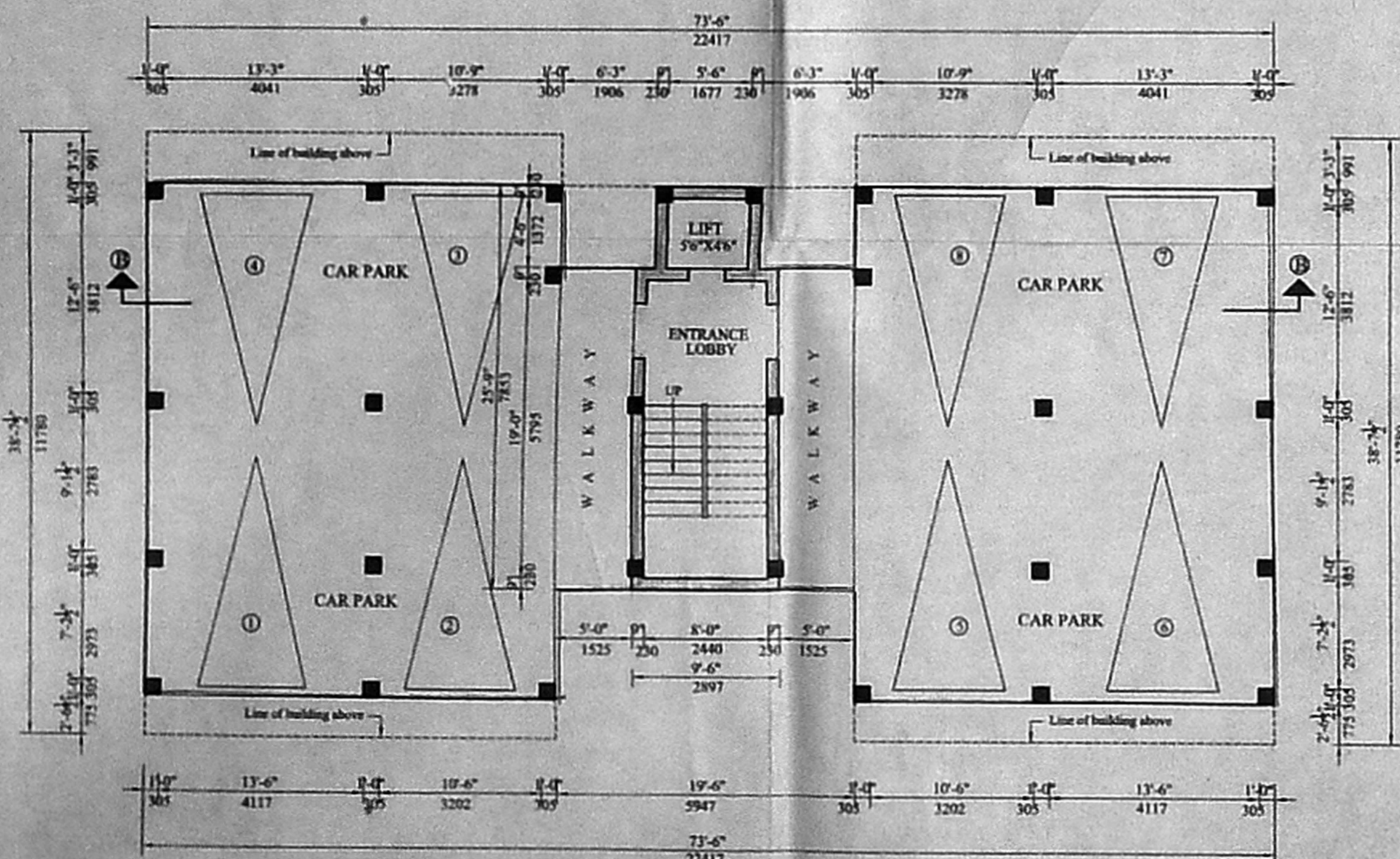
TERRACE PLAN
SCALE: 1" = 8'-0"



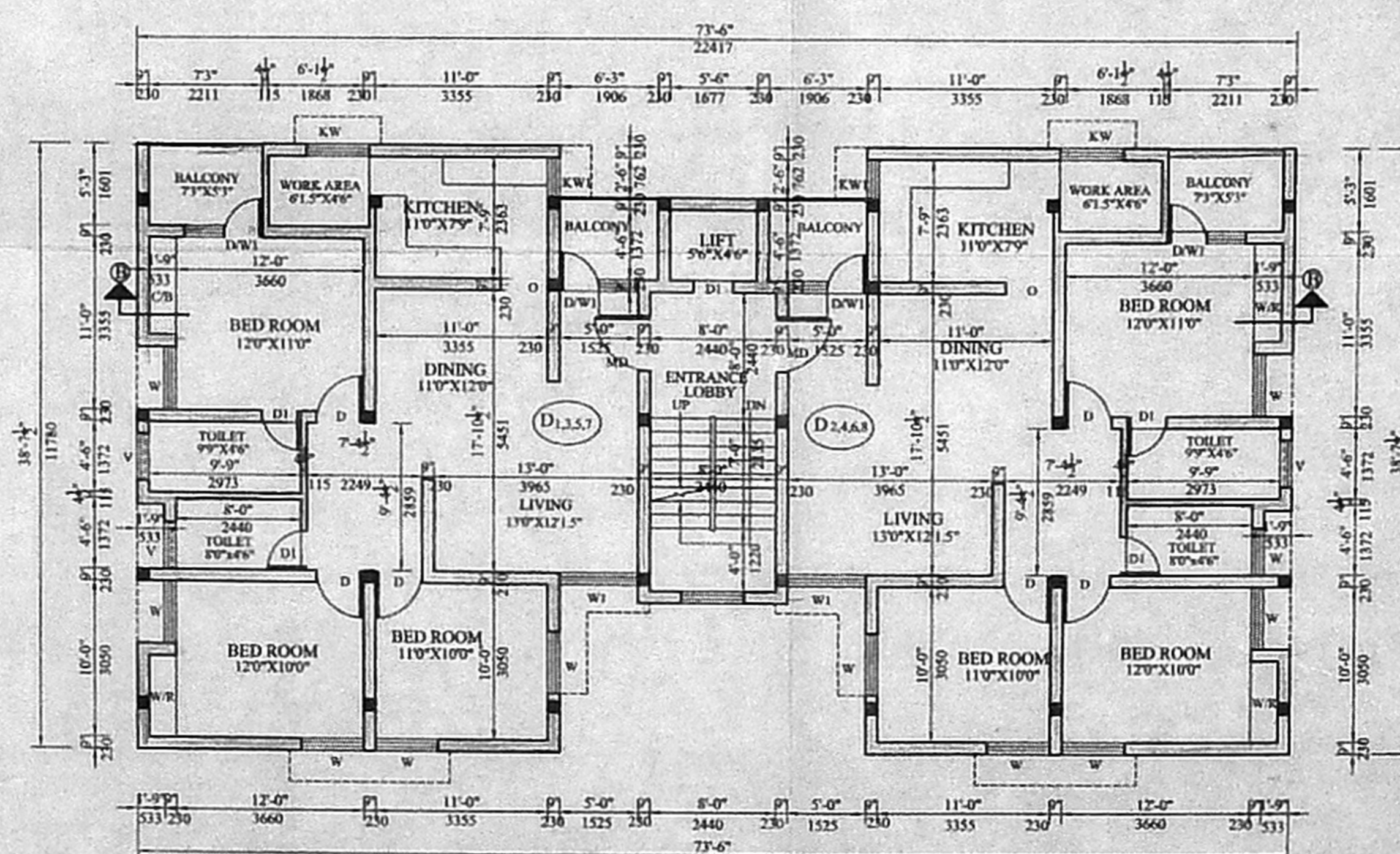
SOUTH ELEVATION
SCALE: 1" = 8'-0"



CROSS SECTION - BB
SCALE: 1" = 8'-0"



STILT FLOOR PLAN
SCALE: 1" = 8'-0"



TYPICAL FLOOR PLAN
(FIRST, SECOND, THIRD, & FOURTH FLOORS)
SCALE: 1" = 8'-0"

DETAILS FOR BLOCK D
CMDA (B) 567

SCHEDULE OF JOINERY

TYPE	OPENING SIZE	DESCRIPTION
MD	3'0"X7'0"	1067X2135 T.W. FLUSH DOOR
D	3'0"X7'0"	915X2135 PAINTABLE FLUSH DOOR
D1	2'6"X7'0"	762X2135 PAINTABLE FLUSH DOOR
W	4'0"X4'6"	1200X1372 C.W. GLAZED WINDOW
W1	3'0"X4'6"	915X1372 C.W. GLAZED WINDOW
KW	4'0"X3'0"	1200X915 C.W. GLAZED WINDOW
DW1	2'6"X4'6"	762X1372 PAINTABLE FLUSH DOOR WITH ALUMINIUM SLIDING WINDOW
O	3'0"X7'0"	915X2135 OPENING
V	3'0"X2'0"	915X610 C.W. GLAZED VENTILATOR
KW1	2'6"X3'0"	762X915 C.W. GLAZED WINDOW

SPECIFICATION

FOUNDATION: ISOLATED R.C.C. COLUMN FOOTING ON A MESH OF STEEL REINFORCEMENT OVER A LAYER OF P.C.C. (1:4:8) 6" THK. OVER SAND - 1.0M FILL AND CONNECTED AT GROUND LVL BY PLINTH BEAM.

SUPER-STRUCTURE: BRICK WORK/ BLOCK WORK IN CEMENT MORTAR (1:6) AND R.C.C. (1:2:4) COLUMN, LINTEL, BEAM AND SLAB.

FLOORING: CERAMIC TILES ON A LAYER OF P.C.C. (1:4:8).

ROOF: R.C.C. (1:2:4) FOR ROOF SLAB, LINTELS AND TIE BEAMS. ROOF SURFACE FINISHED WITH LAYER OF BRICK JELLY CONCRETE TOPPED WITH PRESSED CLAY TILES AS WEATHERING COURSE.

JOINERY: ALL JOINERY IN WELL SEASONED COUNTRY WOOD.

FINISHES: INTERIORS PLASTERED AND PAINTED WITH CEMENT PAINT; EXTERIORS PLASTERED AND PAINTED WITH CEMENT; JOINERY PAINTED IN SYNTHETIC ENAMEL.

COLOUR INDEX

PROPOSED	STORM WATER LINE
ROAD	SEWER LINE
BOUNDARY	

AREA STATEMENT

TYPE	SQ. FT.	SQ. M.
STILT FLOOR AREA	232	21.56
FIRST FLOOR AREA	2,533	235.40
SECOND FLOOR AREA	2,533	235.40
THIRD FLOOR AREA	2,533	235.40
FOURTH FLOOR AREA	2,533	235.40
TOTAL AREA	10,364	963.16

ELIAS KOSHY
ARCHITECT / LICENSED SURVEYOR
CORPORATION OF CHENNAI
R. A. NO: 237.

LICENSED SURVEYOR
FOR URBAN ENGINEERING CONSULTANTS LTD.
Managing Director

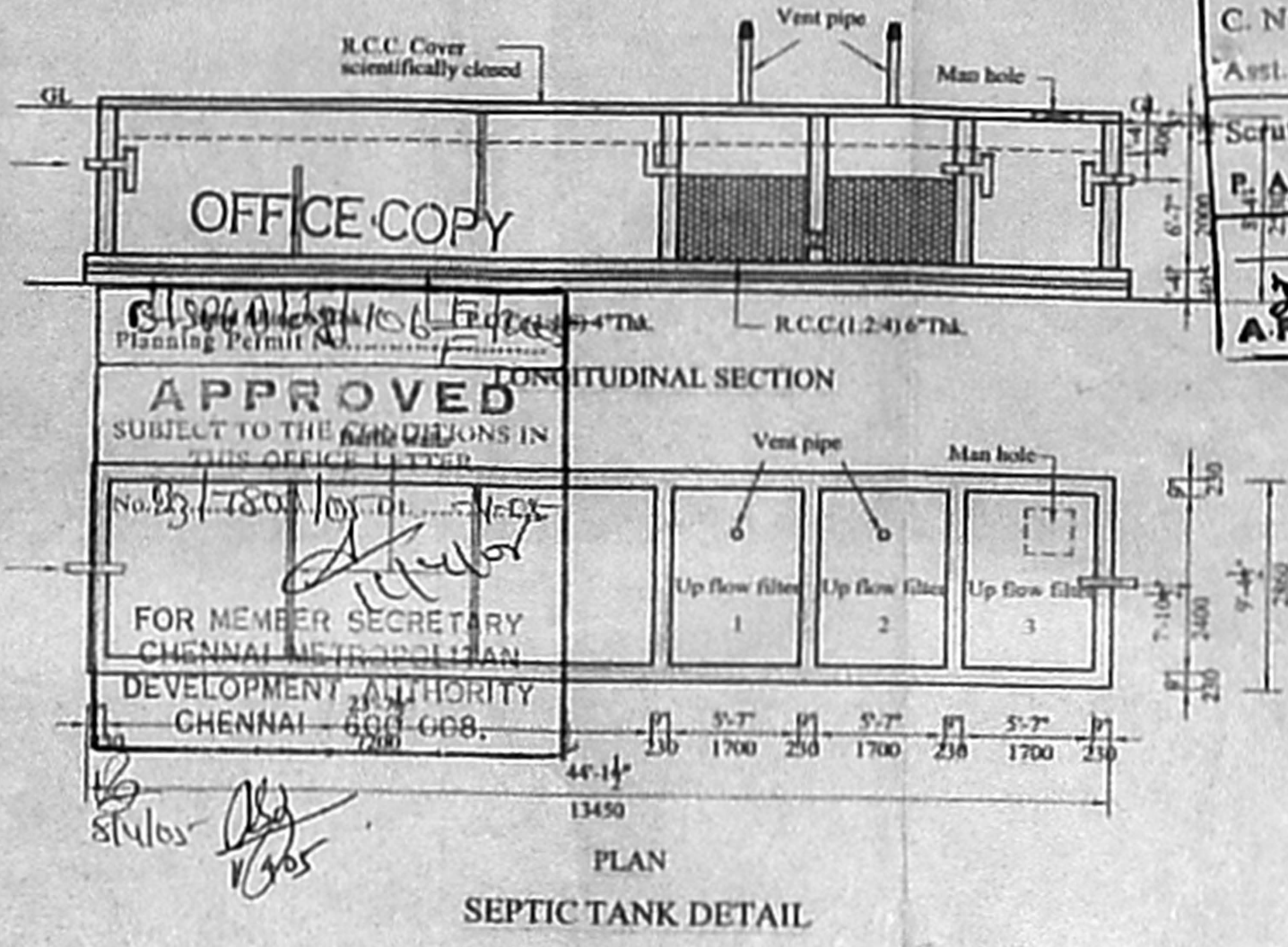
OWNER SIGNATURE
PLAN FOR PROPOSED RESIDENTIAL FLATS TO BE DEVELOPED BY M/S. COPCO ENGG. PVT. LTD., IN PLOT NO: 8, 9, ON ANA AVENUE ATHIPET, CHENNAI-600 037. BEARING S.NO. 97/2B, 2C, 100/2, 100/3 (PART), 110-3A & 3B ATHIPET VILLAGE, AMBATHUR TALUK, THIRUVALLUR DISTRICT.

SCALE: 1" = 8'-0" (1:200)	SHEET SIZE
DATE: 3-5-2004	A1
DRAWN: T.VELMURUGAN	DRG NO
CHECKED:	(5)

ARCHITECT
ELIAS KOSHY
CA / 88 / 11747
55, NELSON MANICKAM ROAD
CHENNAI - 600 029

33x45

CMDA (B) / No. 1
 C. No. 1567/04
 Asst. Scrutiny
 P. A.
 A.P.



SEPTIC TANK DETAIL

SEPTIC TANK DESIGN

NO OF DWELLINGS = 48
 NO OF PERSONS = 48 x 5 = 240 NOS.
 RATE OF FLOW OF SEWAGE PER DAY = 240 x 135 LITS. = 32,400 LITS.
 DETENTION PERIOD = 24 HRS.
 TAN K CAPACITY = $\frac{32,400 \times 0.75 \times 24}{24} = 24,300$ LITS.
 SLUDGE STORAGE CAPACITY @ 150 LITS./NOS./YR. = 240 x 150 = 3,600 LITS.

TAN K CAPACITY = 24,300 + 3,600 = 28,000 LITS. = 28 CUM.
 DEPTH OF LIQUID = 1.6 M
 FREE BOARD = 0.4 M
 TOTAL DEPTH = 2.0 M
 THEREFORE AREA OF TANK = $\frac{28}{1.6} = 17.5$ SQ.M

LET THE LENGTH OF TANK = 3 TIMES WIDTH OF TANK (2 TO 4 TIMES IS USUAL)
 $3B \times B = 17.5$
 $B = 2.4$ M
 $L = 3 \times 2.4 = 7.2$ M

UPFLOW FILTER DISCHARGE
 75 LITS. x 240 = 18,000 LITS. (18 CUM.)
 DEPTH OF LIQUID = 1.5 M
 AREA OF 3 TANKS = $\frac{18}{1.5} = 12$ SQ.M.
 LENGTH OF 3 TANKS = $\frac{12}{2.4} = 5$ M
 LENGTH OF EACH TANK = $\frac{5}{3} = 1.7$ M SAY 1.7 M.

TOTAL LENGTH OF TANK = 7.2 + 5.1 = 12.3 M.
 SIZE OF TANK = 12.3 M x 2.4 M x 2 M.

PLAN FOR PROPOSED RESIDENTIAL FLATS TO BE DEVELOPED BY M/S. COPCO ENGG. PVT. LTD., IN PLOT NO:8,9, ON ANA AVENUE ATHIPET, CHENNAI-600 037. BEARING S.NO. 97/2B, 2C, 100/2, 100/3 (PART), 110 -3A & 3B ATHIPET VILLAGE, AMBATHUR TALUK, THIRUVALLUR DISTRICT.

For COPCO ENGINEERING PVT. LTD.
 Managing Director
 OWNER SIGNATURE
 ELIAS KOSHY
 ARCHITECT / LICENSED SURVEYOR
 CORPORATION OF CHENNAI
 R. A. NO: 237.
 LICENSED SURVEYOR

ARCHITECT
 ELIAS KOSHY
 CA / 88 / 11747
 55, NELSON MANICKAM ROAD
 CHENNAI - 600 029

46