

PARKING CALCULATION
 Total Built-Up Area = 9626.24 SqM
 Total Service Area = 3412.60 SqM
 Total Required Parking Area =
 $30\% \text{ Of (Total Built-Up Area - Total Service Area)}$
 $= 30\% \text{ Of } (9626.24 \text{ SqM} - 3412.60 \text{ SqM}) = 30\% \text{ Of } 4841.24 \text{ SqM}$
 Required Parking Area = 1452.37 SqM
 Provided Parking Area = 3859.9 SqM

SCHEDULE OF DOORS & WINDOWS				FIRE LEGEND	
NO.	DESCRIPTION	QTY	REMARKS	SYMBOL	DESCRIPTION
1	HYDRANT OUT-LET VALVE WET	1		1	HYDRANT OUT-LET VALVE WET
2	ROSE REEL	1		2	ROSE REEL
3	OVERHEAD WATER TANK FOR FIRE WITH CAPACITY 22000 LTR	1		3	OVERHEAD WATER TANK FOR FIRE WITH CAPACITY 22000 LTR
4	UNDERGROUND STATIC TANK WITH 30000 LTR CAPACITY	1		4	UNDERGROUND STATIC TANK WITH 30000 LTR CAPACITY
5	SEAMLESS CONNECTION	1		5	SEAMLESS CONNECTION
6	ELECTRICALLY INSULATED METAL STRIP OF 2.5 X 0.5 MM	1		6	ELECTRICALLY INSULATED METAL STRIP OF 2.5 X 0.5 MM
7	EXTINGUISHER	1		7	EXTINGUISHER
8	AUTOMATIC INDICATOR	1		8	AUTOMATIC INDICATOR
9	AREA COVERED BY SMOKE DETECTOR	1		9	AREA COVERED BY SMOKE DETECTOR
10	FIRE ALARM CALL POINT	1		10	FIRE ALARM CALL POINT
11	ALARM WARNING DEVICE	1		11	ALARM WARNING DEVICE
12	LOAD BREAKER OUTLET	1		12	LOAD BREAKER OUTLET
13	RECEIVING POSITION	1		13	RECEIVING POSITION
14	FIRE RESISTANCE DOOR	1		14	FIRE RESISTANCE DOOR
15	SPRINKLER	1		15	SPRINKLER
16	DOWN COMBES SYSTEM	1		16	DOWN COMBES SYSTEM
17	FLAMELESS EXISTING	1		17	FLAMELESS EXISTING
18	EMERGENCY LIGHT POINT	1		18	EMERGENCY LIGHT POINT
19	BOOSTER PUMP (NO. 1 PUMP)	1		19	BOOSTER PUMP (NO. 1 PUMP)

PLOT DETAILS
PROPOSED COMMERCIAL CUM RESIDENTIAL BUILDING
(B+UB+G+6) PLAN OF
 1. Sri Premendra Mohan Thakur
 S/O:- Late Narendra Mohan Thakur,
 2. Smt. Pooja Thakur,
 W/O:- Sri Premendra Mohan Thakur,
 and
 3. Sri Piyush Mohan Thakur
 S/O:- Sri Premendra Mohan Thakur
 At:- Bhagwan Mahavir Path, Nathnagar, Holding No:- 35,
 P.S:- Nathnagar, Survey Ward No:- 19, Khata No:- 489,
 Khesra No:- 1244 (Part Ka, Kha, ga, gha, jha & tha), Municipal ward No:- 11
 Anchal:- NATHNAGAR, Dist:- BHAGALPUR,
 Under MUNICIPAL CORPORATION BHAGALPUR

- SPECIFICATION**
- R.C.C. M20 (1:1.5:3) UNDER REAMED GROUP OF PILE FOUNDATION.
 - 1ST CLASS BRICK WORK IN SUPER STRUCTURE WITH
 - 150 TH. LINTEL BEAM PROVIDED ALL OVER DOOR & WINDOWS OPENING.
 - HEIGHT OF PLINTH & FLOOR INDICATED IN SECTION
 - TILES/MARBLES FLOORING OVER 0.15 TH. DRY REAMED KHOA OVER 0.075 TH. F.B.S. OVER SAND FILLING.
 - 0.125 TH. AVG. LIME TERRACING OVER 0.100 TH. R.C.C. M20 (1:1.5:3) SLAB
 - 12 MM. TH. CEMENT PLASTER ON BOTH SIDES OF WALL
 - ALL DOORS WILL BE SAL WOOD FRAME & ALL WINDOW WILL GLAZED WITH STEEL FRAMES
 - SNOWCEM CEMENT PAINT ON THE EXTERNAL WALL & WHITE WASH IN SIDE.

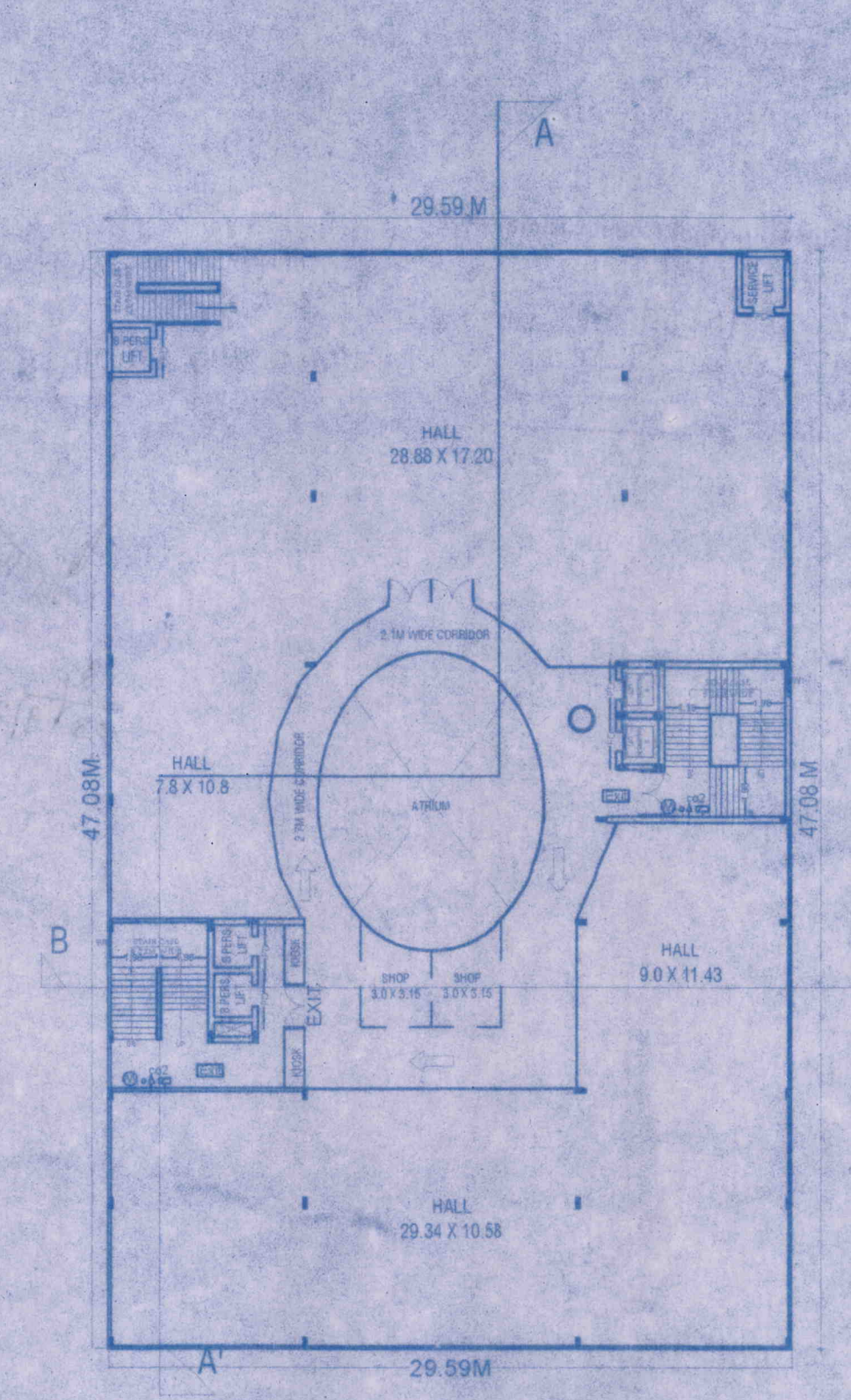
AREA CALCULATION

TOTAL PLOT AREA	= 2555.36 SQ. MT.
LOWER BASEMENT AREA (Parking)	= 1352.95 SQ. MT.
UPPER BASEMENT AREA (Parking)	= 1134.57 SQ. MT.
UPPER BASEMENT FLOOR BUILT UP AREA	= 175.78 SQ. MT.
GROUND FLOOR BUILT UP AREA	= 1216.18 SQ. MT.
FIRST FLOOR BUILT UP AREA	= 1372.38 SQ. MT.
SECOND FLOOR BUILT UP AREA	= 1372.38 SQ. MT.
THIRD FLOOR BUILT UP AREA	= 1372.38 SQ. MT.
FOURTH FLOOR BUILT UP AREA	= 1372.38 SQ. MT.
FIFTH FLOOR BUILT UP AREA	= 1372.38 SQ. MT.
SIXTH FLOOR BUILT UP AREA	= 1372.38 SQ. MT.
TOTAL BUILT UP AREA	= 9626.24 SQ. MT.
OPEN AREA	= 1339.18 SQ. MT.

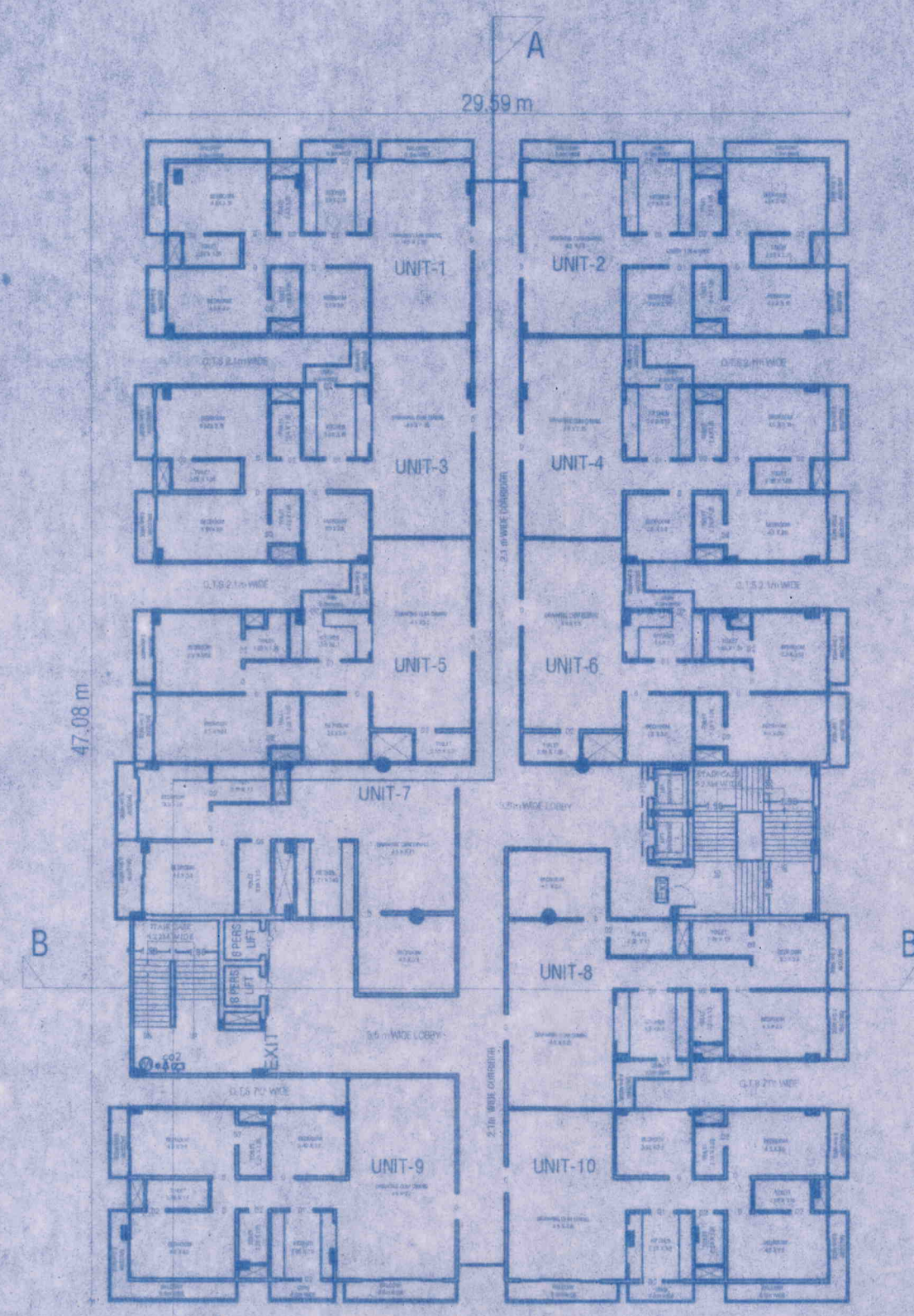
FAR CALCULATION
 Total Built-Up Area = 9626.24 SqM
 Total Service Area = 3412.60 SqM
 Total Plot Area = 2555.36 SqM
 FAR = (Total Built Up Area - Total Service Area / Total Plot Area)
 = (9626.24 SqM - 3412.60 SqM) / 2555.36 SqM = 2.4
 FAR = 2.4

SIGNATURE OF OWNER	SIGNATURE OF ENGINEER
1. Premendra Mohan Thakur 2. Pooja Thakur 3. Piyush Mohan Thakur	Arjun Ashish ARCHITECT ANUNAY ASHISH Reg No-CA/2020/120720 UDHD, BIHAR

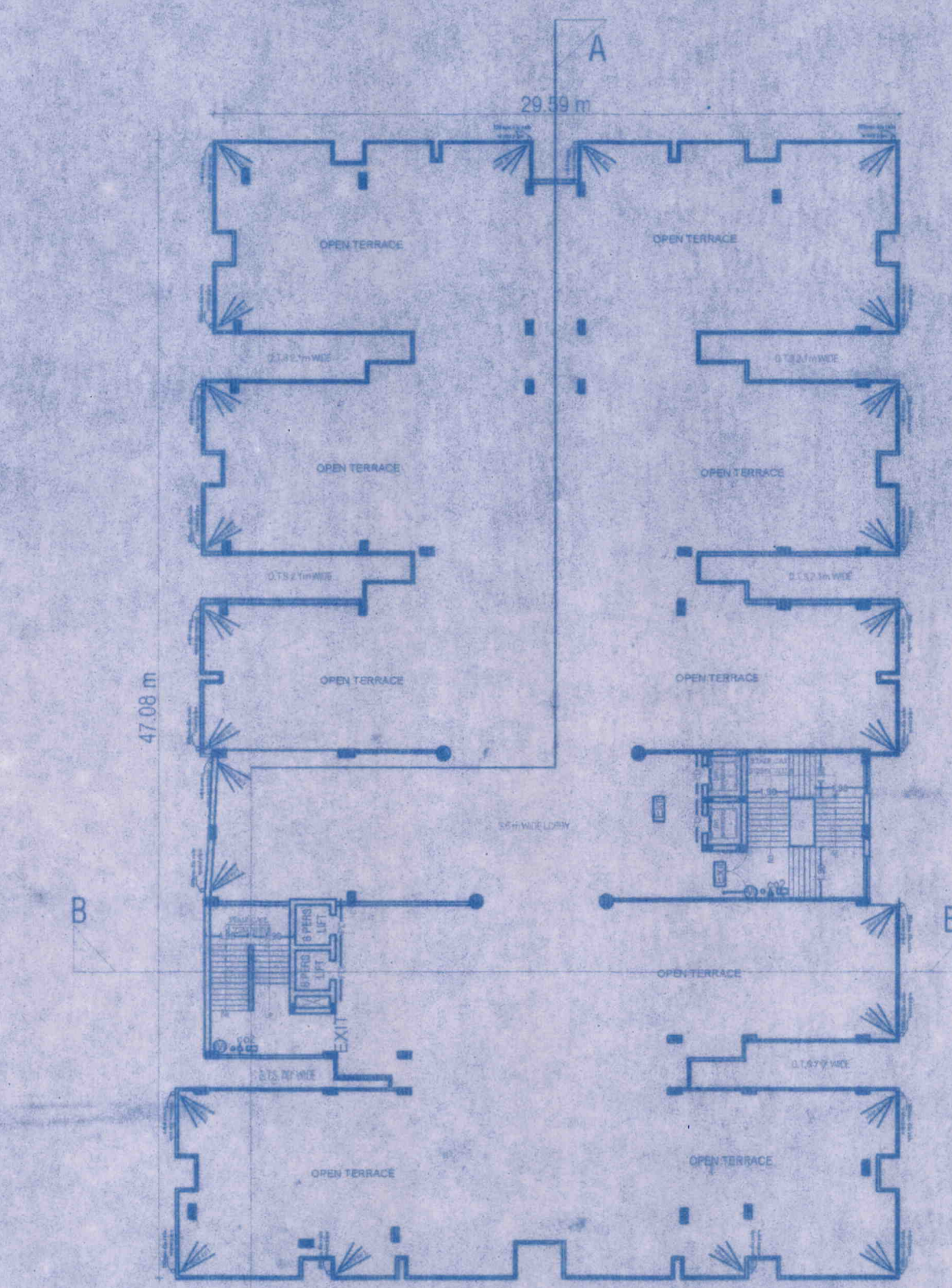
Alpsha
28/08/24
सहायक अभियंता
नगर निगम भागलपुर।



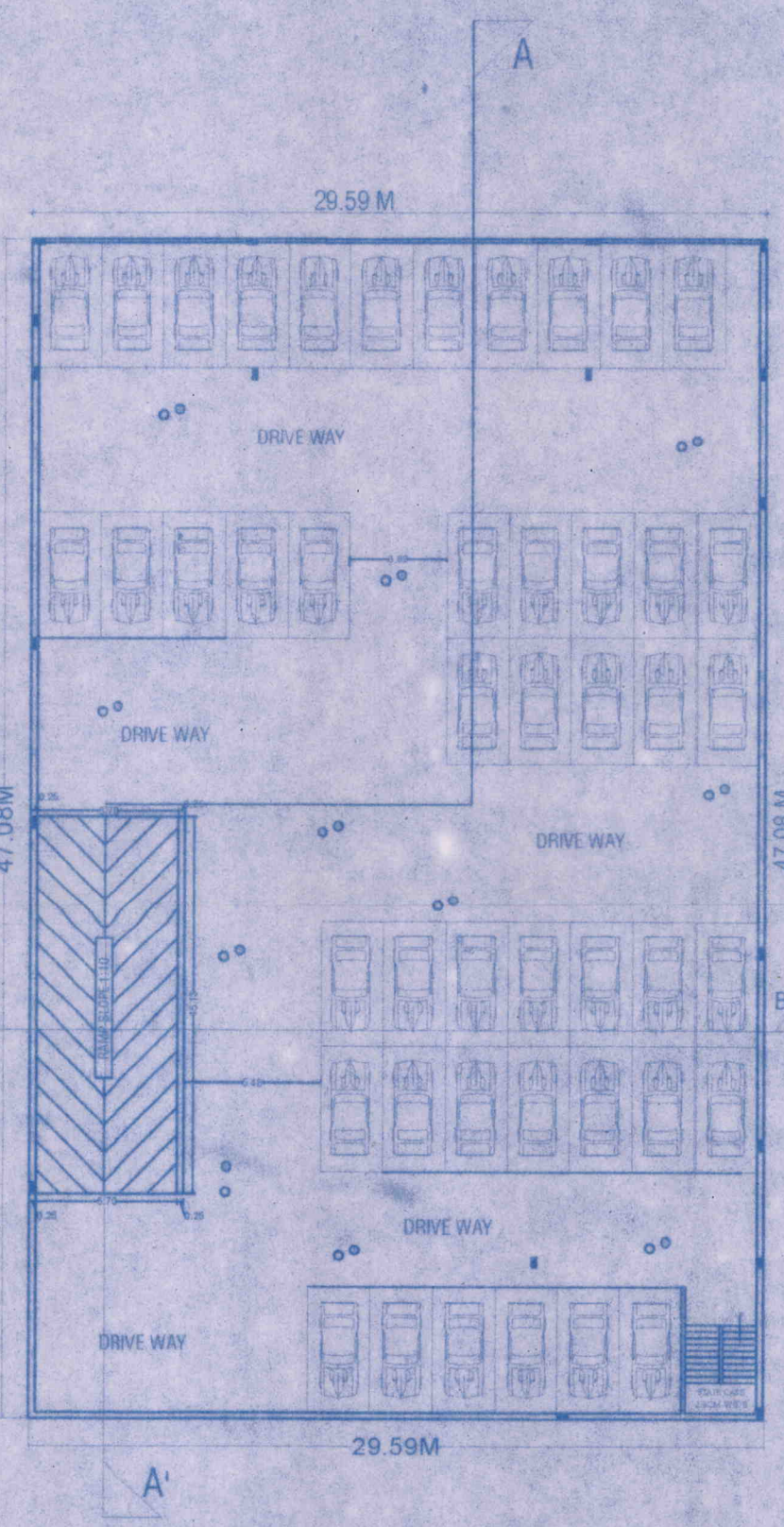
THIRD FLOOR PLAN



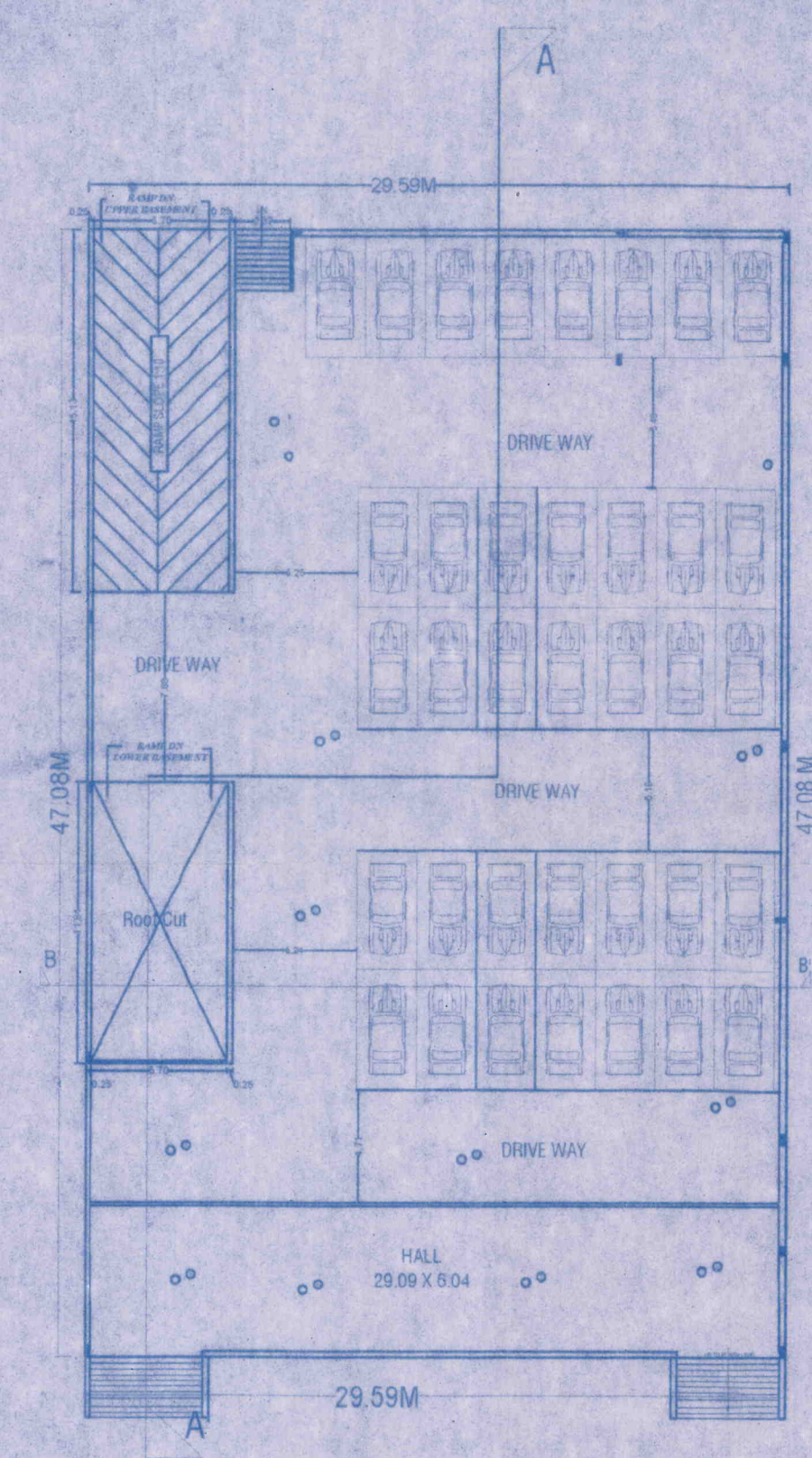
FOURTH TO SIXTH FLOOR PLAN



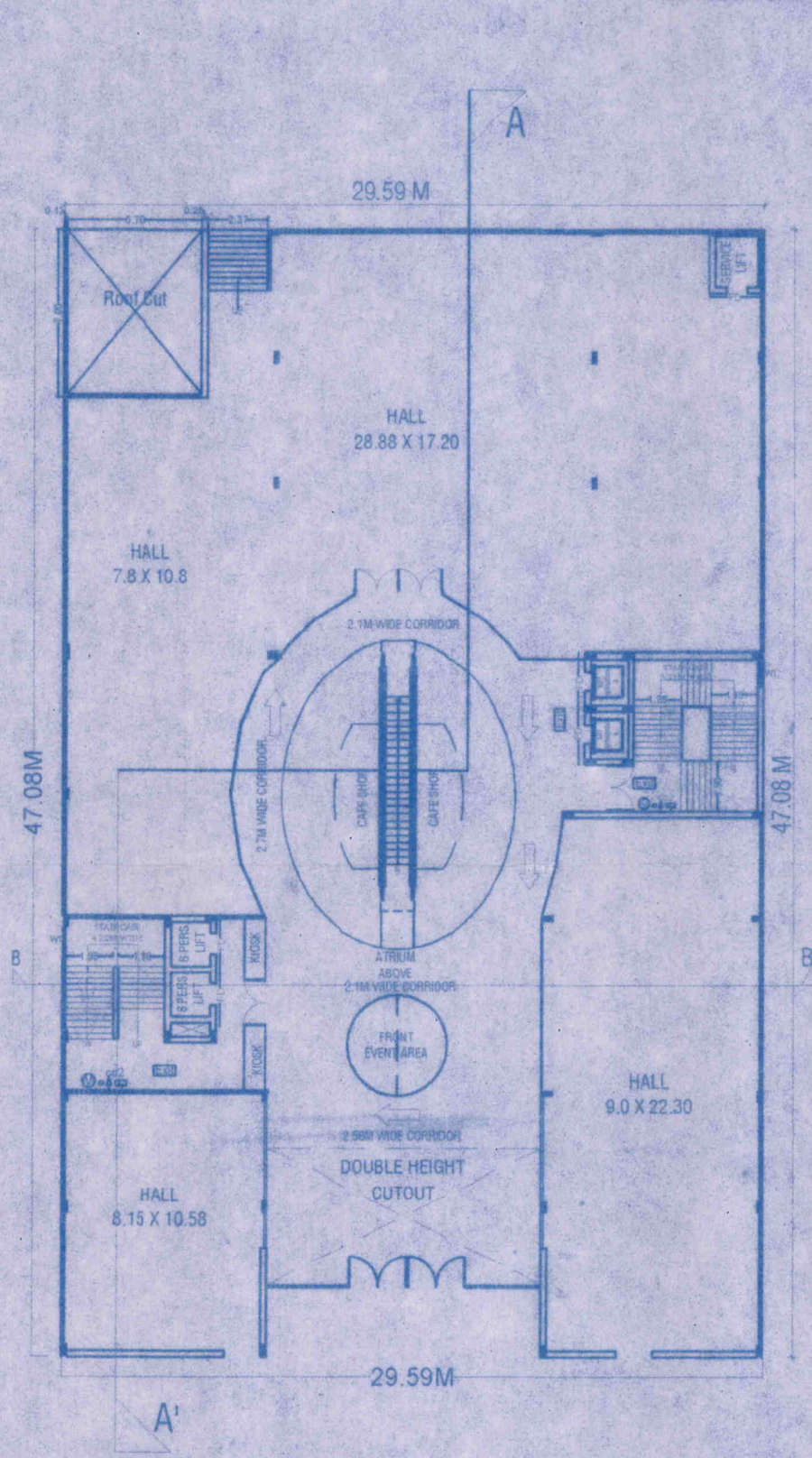
TERRACE FLOOR PLAN



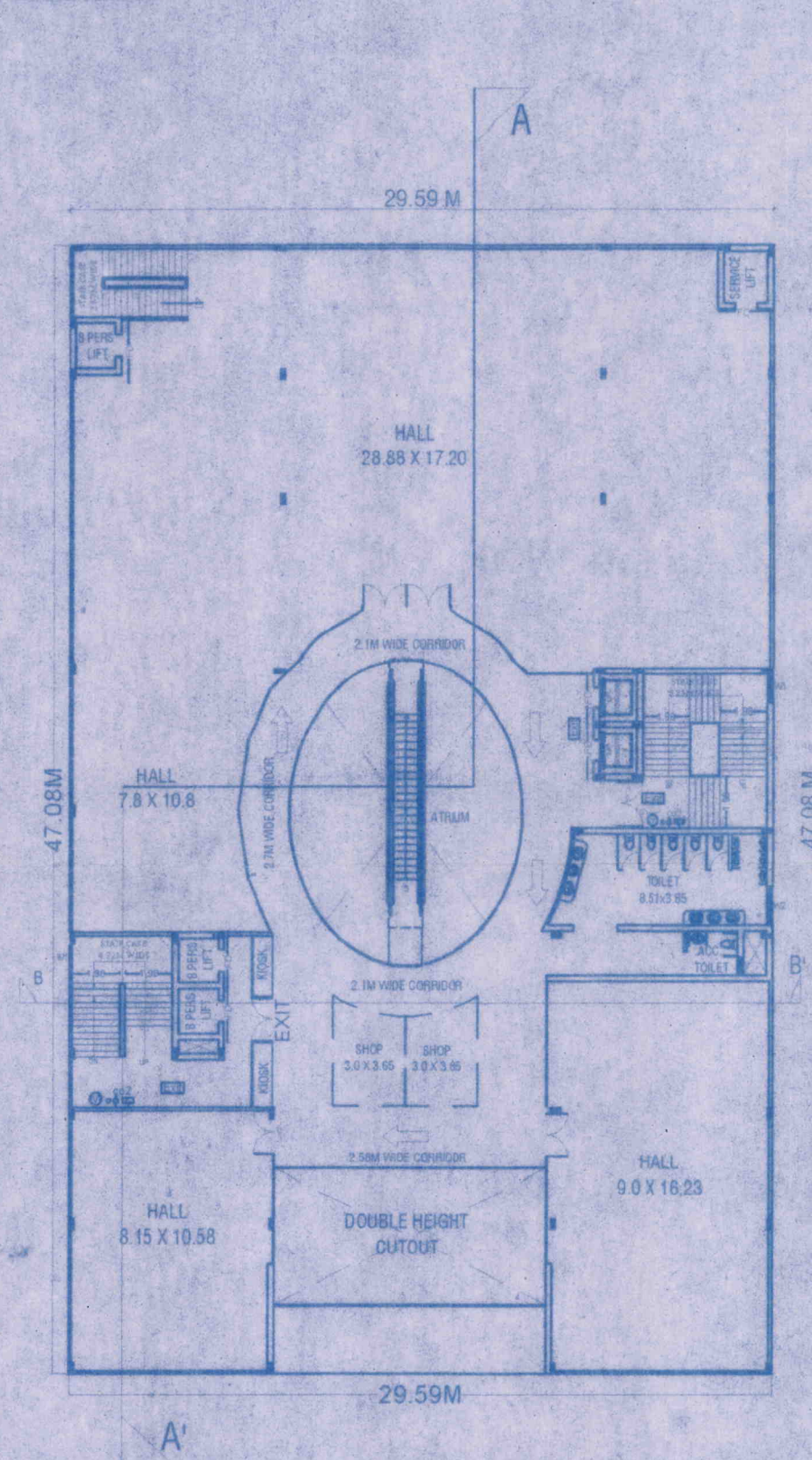
LOWER BASEMENT PLAN



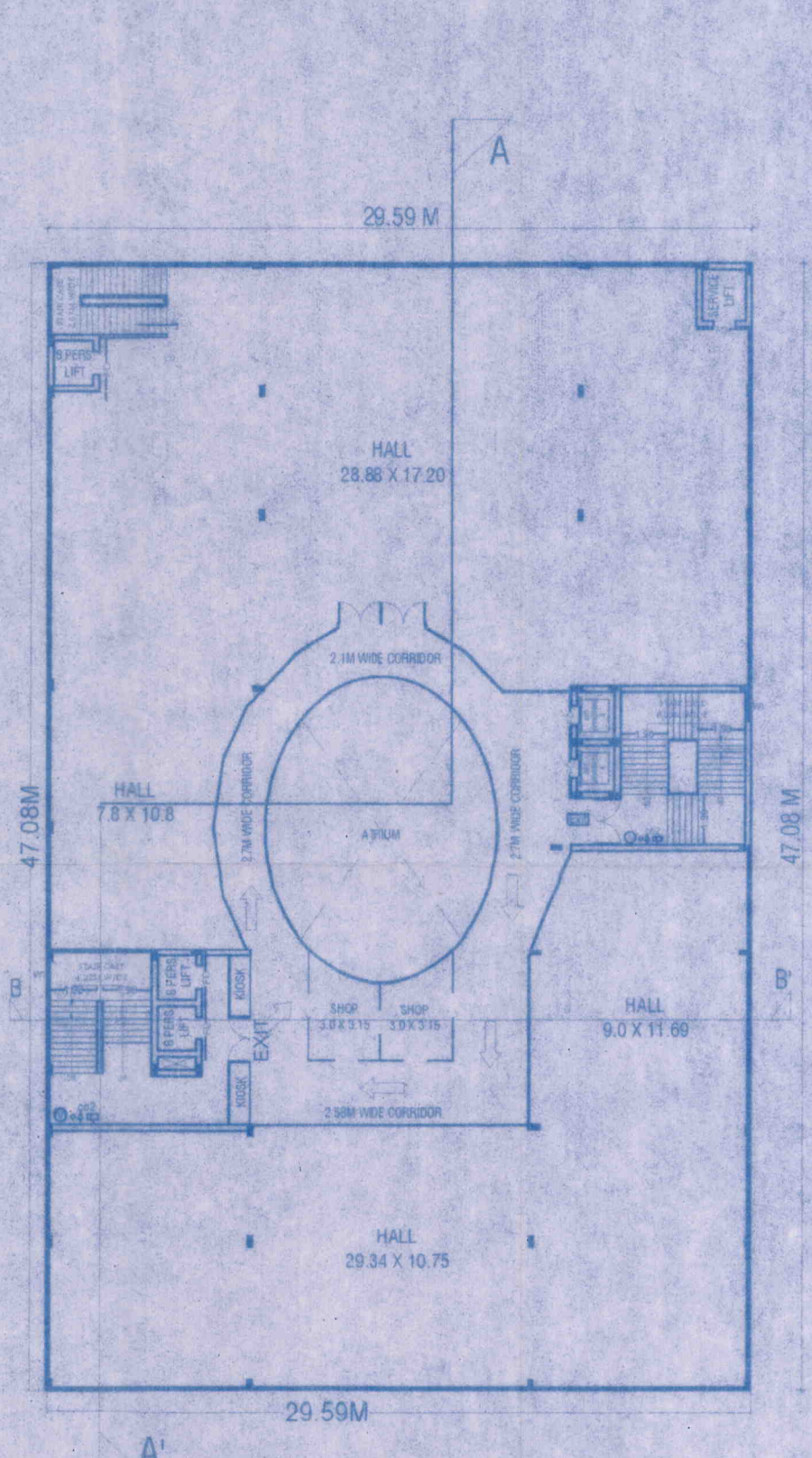
UPPER BASEMENT FLOOR PLAN



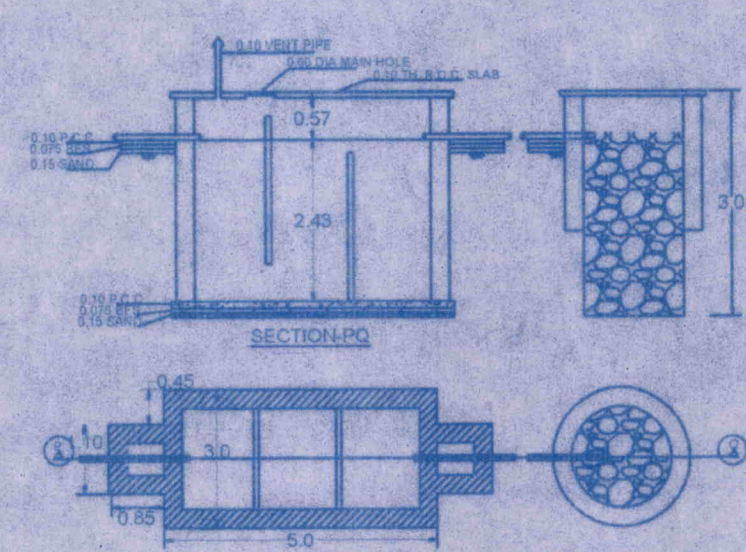
GROUND FLOOR PLAN



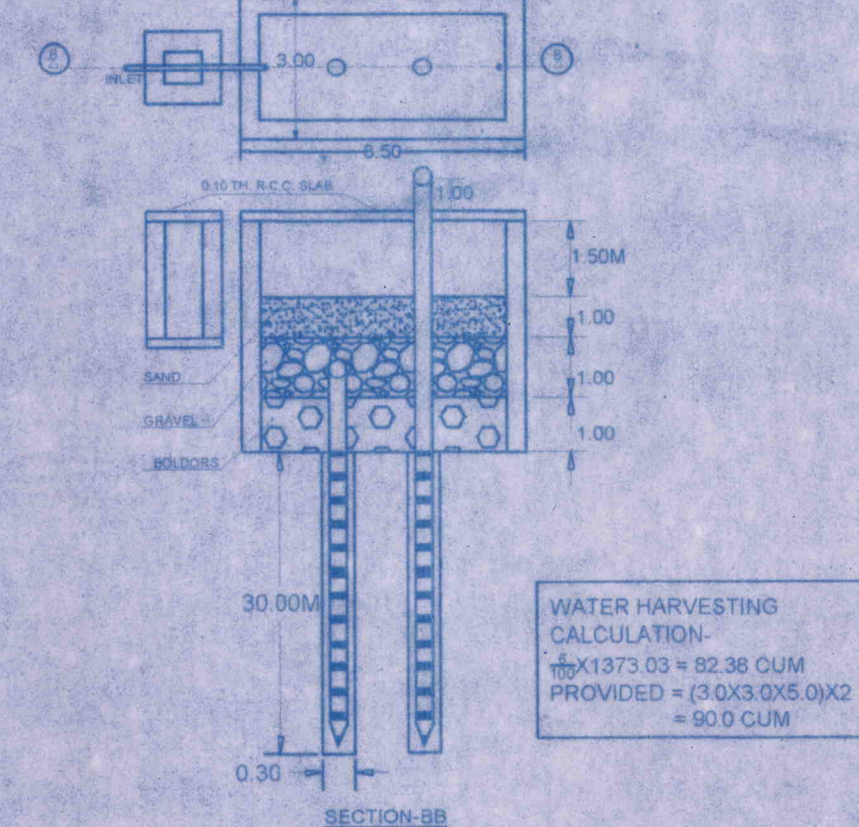
FIRST FLOOR PLAN



SECOND FLOOR PLAN

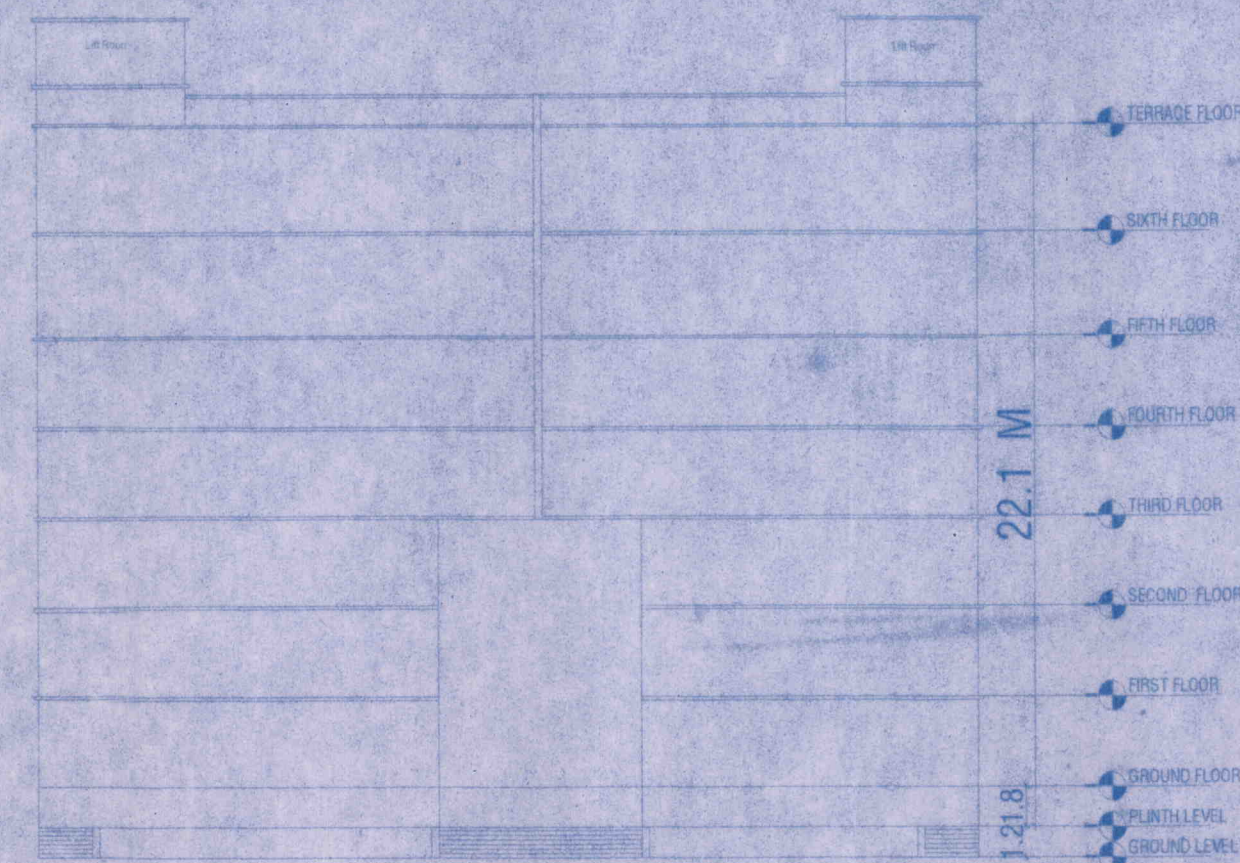


DETAIL OF SEPTIC TANK & SOAK-PIT
(SCALE: NOT TO SCALE)

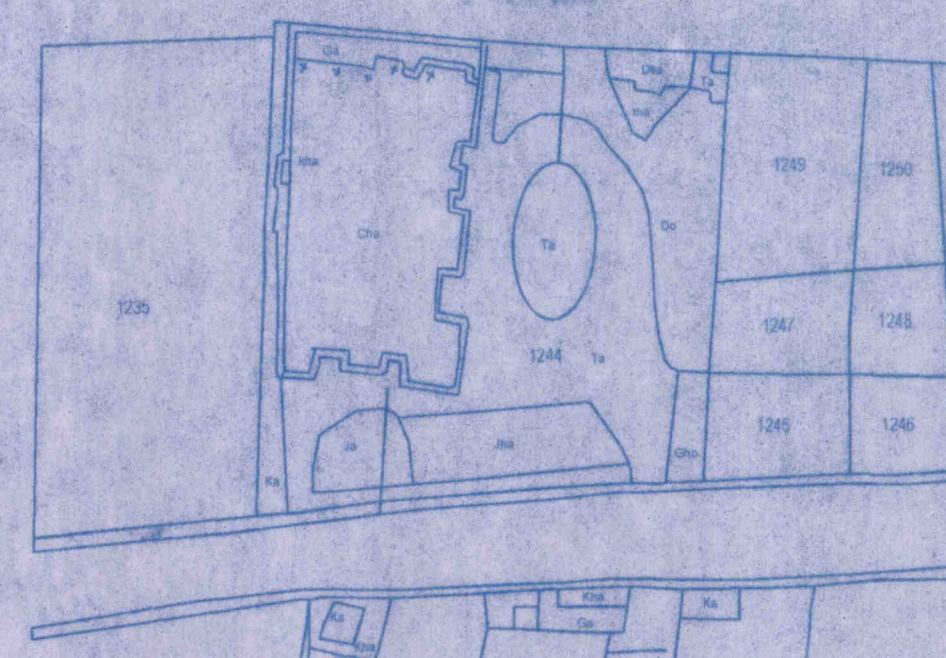


DESIGN OF RECHARGE WELL
(SCALE: NOT TO SCALE)

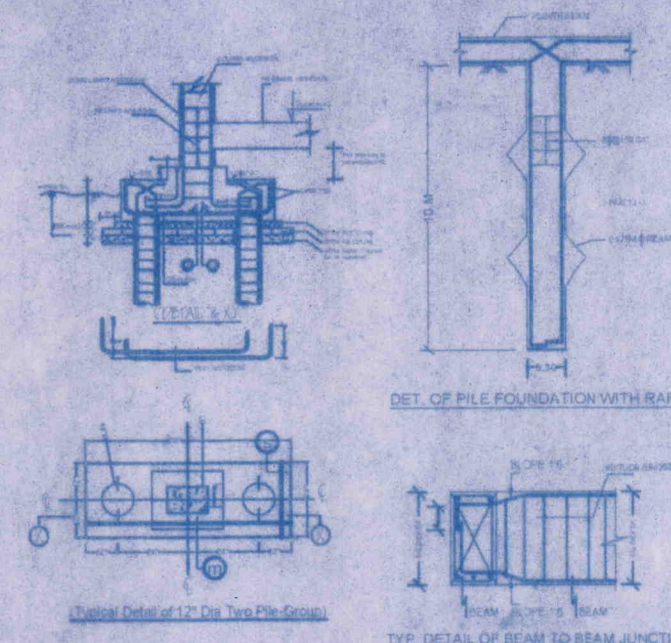
WATER HARVESTING
CALCULATION:-
1373.03 = 82.38 CUM
PROVIDED = (3.0X3.0X5.0)X2
= 90.0 CUM



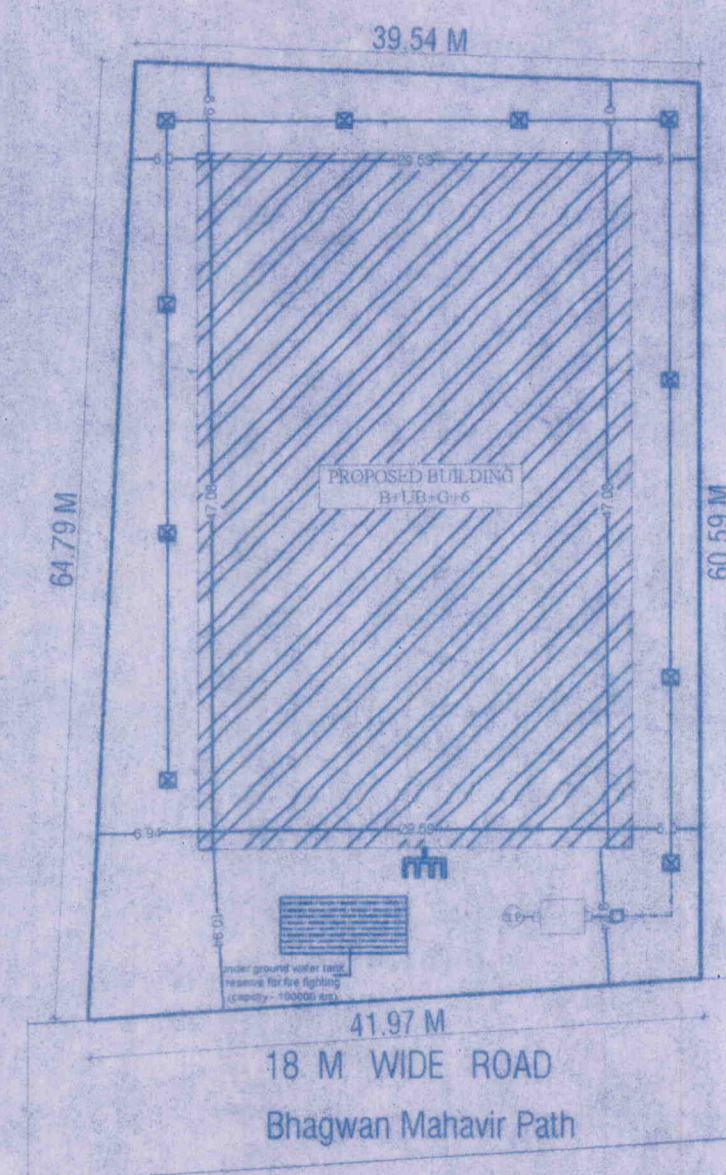
FRONT SIDE ELEVATION



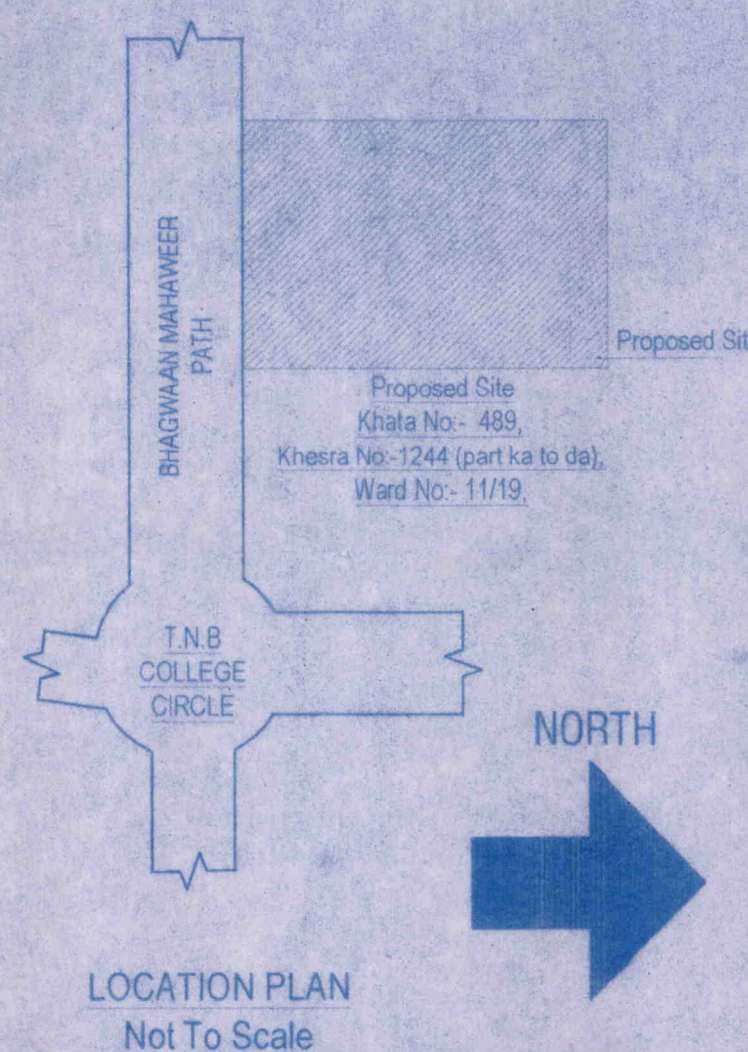
KEY PLAN
SCALE:- 1cm = 10m
Survey Ward No:- 19



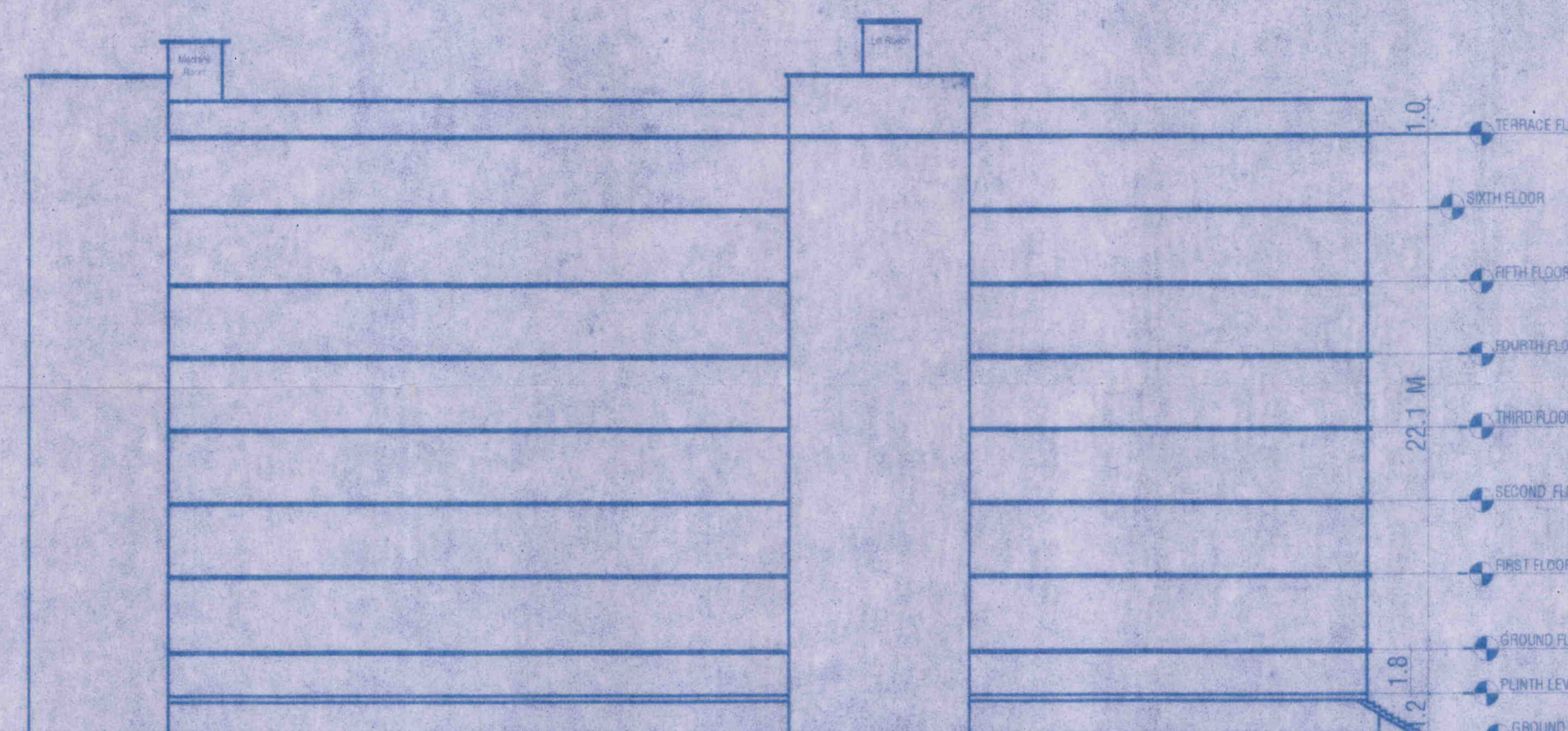
DETAIL OF PILE FOUNDATION WITH RIG



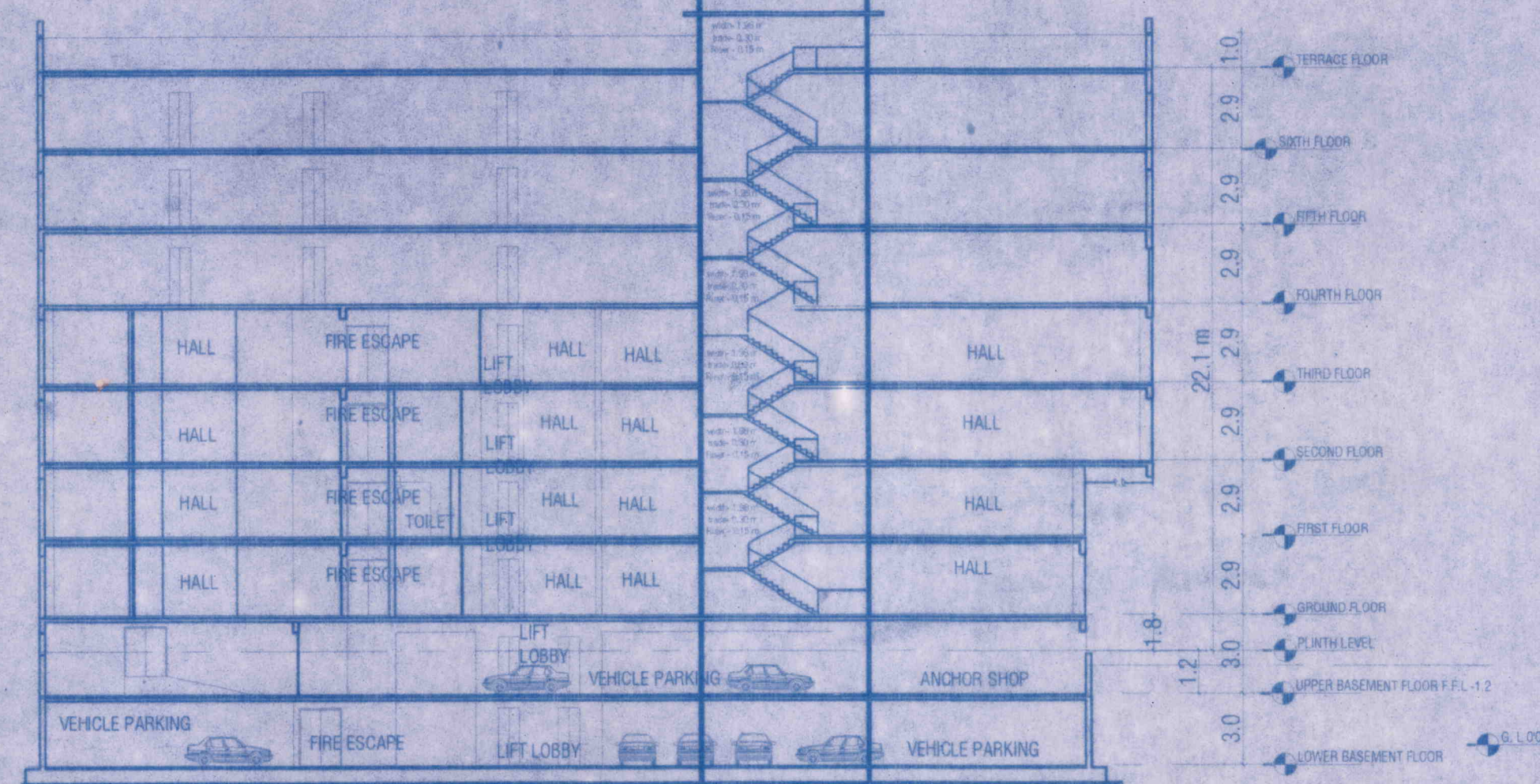
SITE PLAN
(SCALE 1:200)



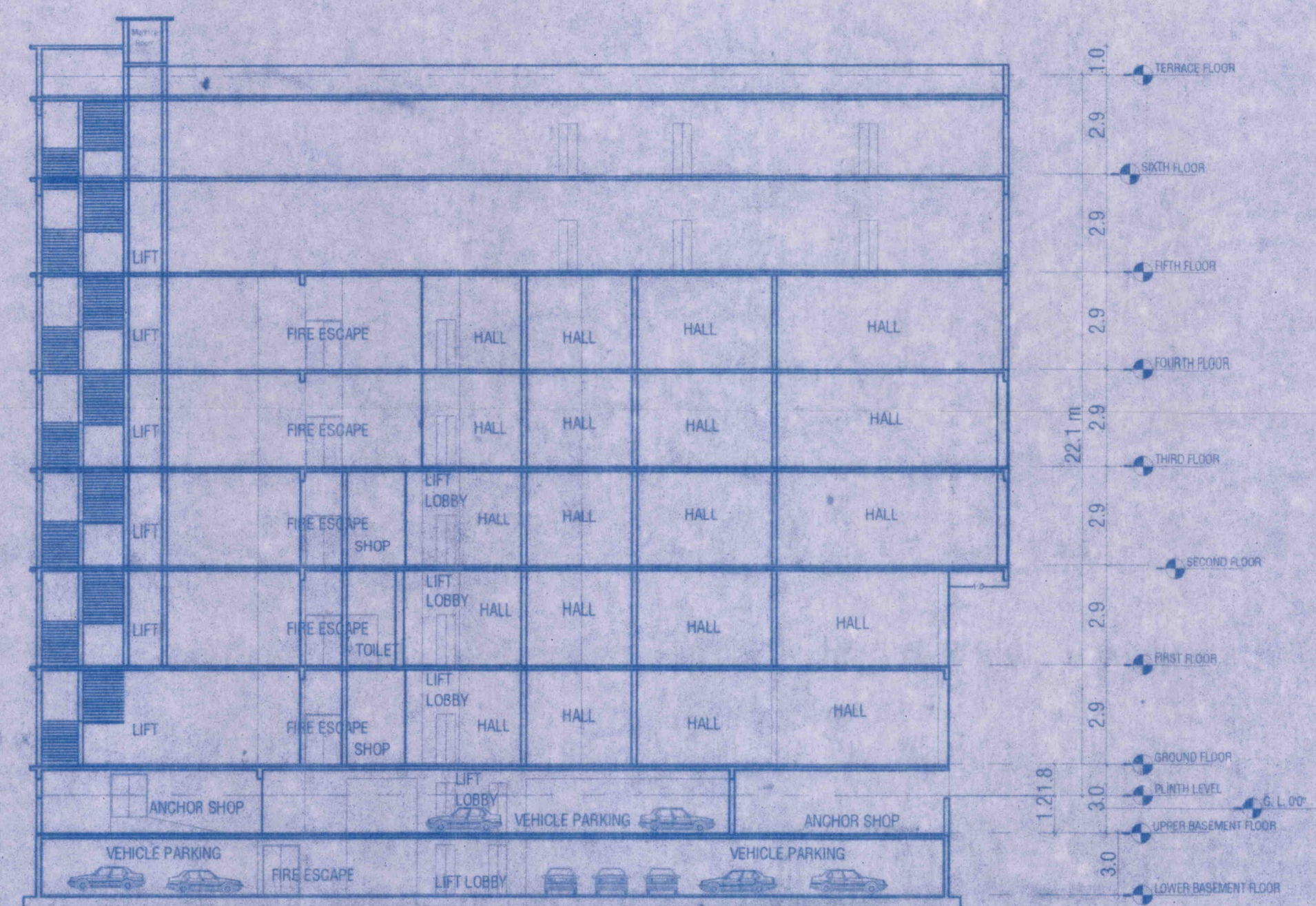
LOCATION PLAN
Not To Scale



WEST SIDE ELEVATION



SECTION AA'



SECTION BB'

NO.	DESCRIPTION	QUANTITY	UNIT
1	HYDRANT OUT LET VALVE WET	1	NO.
2	HOSE REEL	1	NO.
3	OVER HEAD WATER TANK FOR FIRE WITH	1	NO.
4	UNDER GROUND STATIC TANK WITH	1	NO.
5	SEAMLESS CONNECTION	1	NO.
6	ELECTRICALLY INSULATED METAL STRIP OF 2.5 X 3.5 MM	1	NO.
7	EXTINGUISHER	1	NO.
8	AUTOMATIC INDICATOR	1	NO.
9	AREA COVERED BY SMOKE DETECTOR	1	NO.
10	FIRE ALARM CALL POINT	1	NO.
11	AUDIBLE WARNING DEVICE	1	NO.
12	LOUD SPEAKER OUT LET	1	NO.
13	MICROPHONE POSITION	1	NO.
14	FIRE RESISTANCE DOOR	1	NO.
15	SPRINKLER	1	NO.
16	DOWN EXCHANGER SYSTEM	1	NO.
17	ILLUMINATED EXIT SIGN	1	NO.
18	EMERGENCY LIGHT POINT	1	NO.
19	BOOSTER PUMP (NO. 1 PUMP)	1	NO.

NO.	DESCRIPTION	QUANTITY	UNIT
1	HYDRANT OUT LET VALVE WET	1	NO.
2	HOSE REEL	1	NO.
3	OVER HEAD WATER TANK FOR FIRE WITH	1	NO.
4	UNDER GROUND STATIC TANK WITH	1	NO.
5	SEAMLESS CONNECTION	1	NO.
6	ELECTRICALLY INSULATED METAL STRIP OF 2.5 X 3.5 MM	1	NO.
7	EXTINGUISHER	1	NO.
8	AUTOMATIC INDICATOR	1	NO.
9	AREA COVERED BY SMOKE DETECTOR	1	NO.
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17	ILLUMINATED EXIT SIGN	1	NO.
18	EMERGENCY LIGHT POINT	1	NO.
19	BOOSTER PUMP (NO. 1 PUMP)	1	NO.

PLOT DETAILS

PROPOSED COMMERCIAL CUM RESIDENTIAL BUILDING

(B+UB+G+6) PLAN OF
1. Sri Premendra Mohan Thakur
S/O:- Late Narendra Mohan Thakur,
2. Smt. Pooja Thakur,
W/O:- Sri Premendra Mohan Thakur,
and
3. Sri Piyush Mohan Thakur
S/O:- Sri Premendra Mohan Thakur

At:- Bhagwan Mahavir Path, Nathnagar, Holding No:-35,
P.S:- Nathnagar, Survey Ward No:-19, Khata No:-489,
Khesra No:-1244 (Part Ka, kha, ga, gha, jha & tha), Municipal ward No:- 11

Anchal:- NATHNAGAR, Dist:- BHAGALPUR,
Under MUNICIPAL CORPORATION BHAGALPUR

COMMERCIAL

TOTAL BUILT UP AREA = 9626.24
NO OF PERSON 9626.24/10 = 962.62 PERSON
TOTAL NO OF PERSON = 962 PERSON

WATER SUPPLY CALCULATION

TOTAL NOS. OF PERSONS = 825
REQUIREMENT OF WATER TANK FOR 100 PERSONS
@ 135 LTRS. / DAY / PERSON = 825 X 135 = 11151.00 LTRS (111.51 CUM)
CAPACITY OF OVER HEAD WATER TANK PROVIDED
SIZE = (5.40X5.23X1.25)X4 = 41.84X4 = 167.36 CUM

SEPTIC TANK CALCULATION

TOTAL NOS. OF PERSON = 825
REQUIREMENT OF SEPTIC TANK FOR 825 PERSONS
@ 0.087 M³ PER PERSON / DAY = 825 X 0.087 M³ = 71.86 M³
SIZE OF SEPTIC TANK (LXWXH) = (5.0X3.00X3.00)X2 = 90.00 M³

SIGNATURE OF OWNER

1/ Premendra Mohan Thakur
2/ Pooja Thakur
3/ Piyush Mohan Thakur

SIGNATURE OF ENGINEER

ARCHITECT ANUNAY ASHISH
Reg No-CA/2020/120720
UDHD, BIHAR

Maha
28/08/24
सहायक अभियंता
जनक नगर नगरपालिका