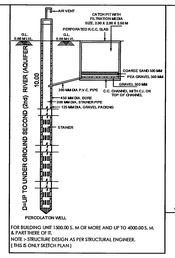

FOR BUILDING UNIT 1500.00 S. M OR MORE AND UP TO 4000.00 S. M. & THAT THERE OF IS
NOTE – STRUCTURE DESIGN AS PER STRUCTURAL ENGINEER.
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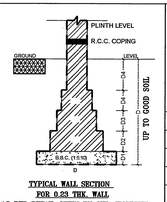
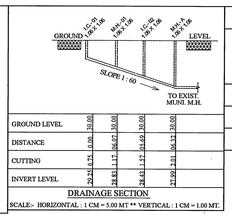


TYPICAL WALL SECTION
FOR 0.23 THK. WALL
AS PER DETAIL GIVEN BY STR. ENGINEER



GROUND LEVEL	30.00	30.00	30.00	30.00
DISTANCE	0.00	5.47	14.69	30.12
CUTTING	0.75	1.17	1.77	2.31
INVERT LEVEL	29.25	28.83	28.23	27.69

DRAINAGE SECTION
SCALE:- HORIZONTAL : 1 CM = 5.00 MT ** VERTICAL : 1 CM = 1.00 MT.

LIFT CALCULATION:-

REQ.LIFT CALCULATION
= 1 LIFT REQUIRED PER 20 UNITS
ABOVE SECOND FLOOR

BLOCK	UNITS	REQ.LIFT	PROV.LIFT
A+B	40	02	04
C+D	40	02	04

COMMON PLOT AREA CALCULATION:-

NET PLOT AREA = 4611.00 SQ.MTS
REQ. COMMON PLOT @ 10% 461.10 SQ.MT.
COMMON PLOT
(1) 13.00 X 04.31 / 2 = 28.01 SQ.MT.
(2) 16.17 X (5.80+5.06) /2 = 87.80 SQ.MT.
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(4) 22.46 X (8.95+7.62) /2 = 186.08 SQ.MT.
NET PROV. COMMON PLOT = 461.43 SQ.MT.

SANITARY PROVISION

FLOOR AREA (TOTAL) :- 1498.07 SQ. MTS.
4 SQ. MTS. = 1 PERSON
1498.07 SQ. MTS. = 375 PERSON
188 GENTS & 187 LADIES

SANITORY REQ.

MALE W.C. REQD. = 6 W.C.
FEMALE W.C. REQD. = 6 W.C.
URINAL REQD.
= 3 REQD.

COMMON REQUIRED 25%

MALE W.C. REQD. = 6 X 0.25 = 1.50 SAY 2 NO.
FEMALE W.C. REQD. = 6 X 0.25 = 1.50 SAY 2 NO.
PROVIDED W.C.=
2 MALE W.C. PROVIDED
2 FEMALE W.C. PROVIDED
1 P.H. W.C. PROVIDED

DUST-BIN PROVIDED NOTES:-(RESI.)

8 NOS. OF COMMUNITY BIN EACH OF 80 LITRES CAPA. SHALL BE PROVIDED IN MARGINAL OPEN SPACE.
PROVIDED = 8 UNITS / 1BIN / 80 LITRES CAPACITY.
REQUIRED = 108 UNITS / 8UNITS / 1 = 13.50 NOS. REQD.
PROVIDED CONTAINER = 14 NOS.

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TOTAL FLOOR AREA FOR SHOPS = 1498.07 SQ.MT.
SHALL BE PROVIDED IN MARGINAL OPEN SPACE.
CONTAINER REQD. = 1498.07 X 20 / 100 X 80 = 3.74 NOS.
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MAX. CAP. OF CONTAINER = 80.0 LIT.
PROVIDED CONTAINER = 4 NOS.
TOTAL C.BIN PROVIDED = 14 NOS.FOR RESI.
+ 4 NOS. FOR COMM.
= 18 NOS.OF 80 LIT.CAPACITY

REQ. PERCOLATING WELL

PLOT AREA :- 1500 TO 4000 SQ. MTS.
1 PERCOLATING WELL
PLOT AREA = 4611.00 / 4000.00 SQ. MTS.
= 1.15 NO. REQ. SAY 1 NOS.
PROVI. 2 NO.PERCO. WELL

TREE PLANTATION		
	REQUIRED	PROVIDED TREE
UP TO 100	04	117
100 TO 500 (4 TREE/200SMT.)	08	
501 TO 4611 (5 PER 200 SMT.)	105	
TOTALREQ.	117	

BUILT UP AREA STATEMENT (IN SQ.MT.)

BLOCK	A+B	C+D	TOTAL
BASEMENT FL.	3267.95	--	3267.95
GROUND (H. P.)	507.57	504.12	1011.69
GROUND (S. P.)	551.18	422.62	973.80
1ST FLOOR	1058.75	847.58	1906.33
2ND FLOOR	947.03	847.58	1794.61
3RD FLOOR	947.03	847.58	1794.61
4TH FLOOR	947.03	847.58	1794.61
5TH FLOOR	947.03	847.58	1794.61
6TH FLOOR	947.03	847.58	1794.61
7TH FLOOR	947.03	657.49	1604.52
STAIR CABIN	86.70	79.77	166.47
LIFT MAC. ROOM	52.06	50.61	102.67
TOTAL	11206.39	6800.09	18006.48

F.S.I. AREA STATEMENT (IN SQ.MT.)

BLOCK	A+B	C+D	TOTAL
GROUND (S. P.)	528.97	422.62	951.59
1ST FLOOR	963.17	777.56	1740.73
2ND FLOOR	878.36	777.56	1655.92
3RD FLOOR	878.36	777.56	1655.92
4TH FLOOR	878.36	777.56	1655.92
5TH FLOOR	878.36	777.56	1655.92
6TH FLOOR	878.36	777.56	1655.92
7TH FLOOR	878.36	587.47	1465.83
TOTAL	6762.30	5675.45	12437.75

TENAMENT & FLOOR AREA STATEMENT

FLOOR	USE	EQUITY TENA.					
BLOCK		A+B		C+D		TOTAL	
		COM.	RESI.	COM.	RESI.	COM.	RESI.
BASEMENT FL.	PARK.	--	--	--	--	--	--
GROUND (H. P.)	PARK.	--	--	--	--	--	--
GROUND (S. P.)	SHOP	17	--	16	--	33	--
1ST FLOOR	COMM/RESI	16	04		08	16	12
2ND FLOOR	RESI	--	08	--	08	--	16
3RD FLOOR	RESI	--	08	--	08	--	16
4TH FLOOR	RESI	--	08	--	08	--	16
5TH FLOOR	RESI	--	08	--	08	--	16
6TH FLOOR	RESI	--	08	--	08	--	16
7TH FLOOR	RESI	--	08	--	06	--	16
TOTAL	SHOP/RESI	33	52	16	54	49	106

BLOCK - A+B	SHEET NO:- 1/10

PLAN SHOWING PROPOSED RESI.+ COMM. BUILDING ON F.P. NO.:- 42/1, (O.P. NO.:- 42/1, SUR. NO.:- 418/1), T.P.S. NO.:- 110, (NIKOL - KATHWADA) FINAL AT.: NIKOL, TA.: ASARWA, DIST.: AHMEDABAD

ZONE : R1	USE : RESIDENCE + COMM.
LAY OUT	SCALE:- 1C.M. = 2 MT.

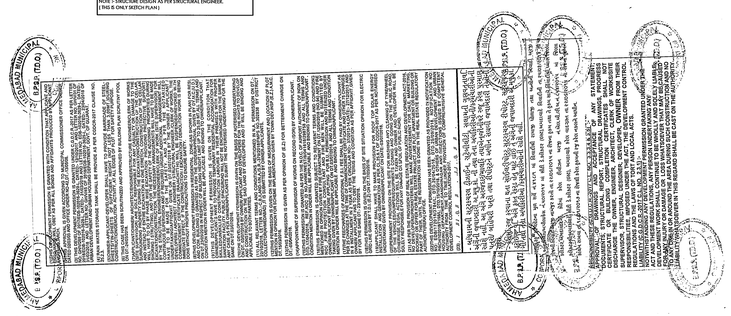
AREA TABLE	SQ.MTS.
PLOT AREA OF F.P. NO. 42/1	4611.00
REQ.COMMON PLOT @ 10%	461.10
PROV.COMMON PLOT AREA	461.43

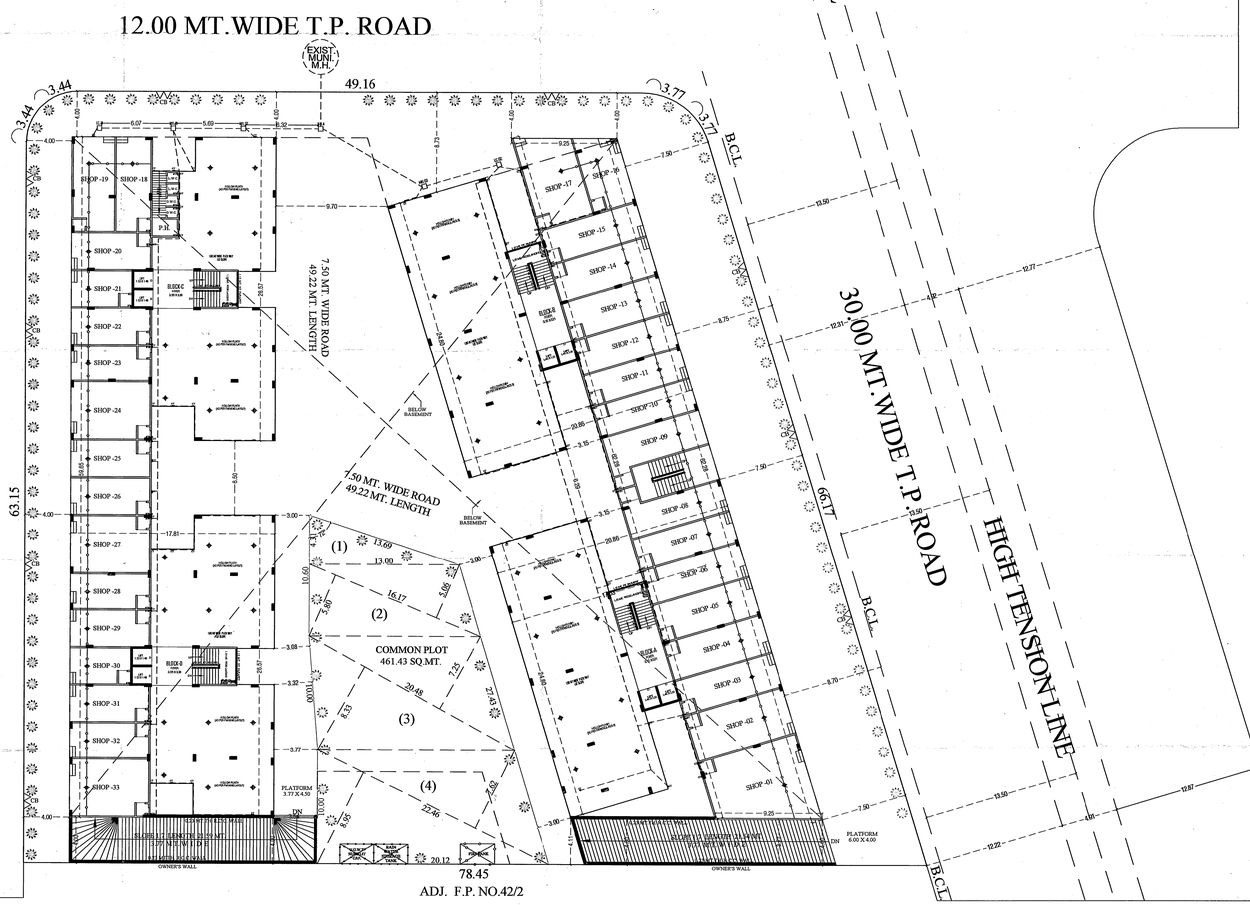
AREA TABLE	SQ.MTS.
PLOT AREA	4611.00
PERMI. F.S.I.- (1:80 X 4611.00)	8299.80
CHARGEABLE F.S.I. (0.50 X 4611.00)	4149.90
MAX. PERMI. F.S.I. (8299.80+4149.90)	12449.70
TOTAL UTILIZED F.S.I.	12437.75
CHARGABLE F.S.I.	4137.95
BALANCE F.S.I.	11.95

COLOUR NOTES:-

F. P. BOUNDARY		ROAD	
PROP. WORK		P. WELL	
PROP. DRAIN-LINE		COM.BIN.	
COMMON PLOT		TREE	

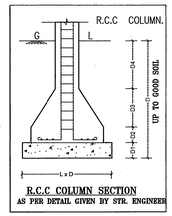
KEY - PLAN
SCALE :- 1.00 CM. = 20.00 MT.





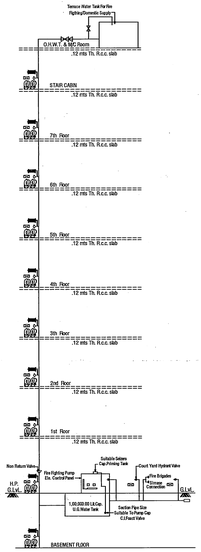
LAY - OUT PLAN
SCALE :- 1.00 CM. = 2.00 MT.

FIRE HYDRANT LEGEND		
SR.	SYMBOL	DISCRIPTION
1		FIRE HYDRANT SYSTEM PIPE MAIN
2		SINGLE HANDED HYDRANT VALVE
3		SLUICE VALVE
4		NON RETURN VALVE
5		LANDING HYDRANT VALVE
6		FIRE HOSE BOX
7		FIRST AID HOSE REEL
8		DC.P & CO-2
9		TWO WAY SIAMESE CONNECTION
10		RISE OR DROP
11		REDUCER
12		COURT YARD HYDRANT VALVE
13		SPRINKLERED



R.C.C COLUMN SECTION
AS PER DETAIL GIVEN BY STR. ENGINEER

ઉપરોક્ત વિગતે અને સાથેનો રૂપરેખાનો નકશો પ્રમાણિત કરવા મા.
પાલ્ય(૦૨૪૨૦૪)/૨૨૫૧ તા- ૧૬-૧૧-૧૯ ના રાજ સમ્રાટ બાંધકામની
જગ્યાએ જોડા આવે ત્યારથી જરૂરથી ભરવામાં આવેલ બાંધકામોની ગણના કિંમતે દંડનીય જોડ
કરવાની રહેશે.



GENERAL NOTES :-

- It is certified that plot under reference is surveyed by me and the dimensions of all sides of plot and plot area as shown in plan are measured by engineer on record and in accordance with ownership / revenue record.
- Engineer is fully responsible for leaving open space and margin.
- The depth and position of existing municipal manhole is verified by on site and premises can get drainage connection.
- It is certify that according to CGDCR 2017 all all requirements of the building are checked and necessary actions are taken .
- It is certify that according to the clause no. 3.5.3. of the CGDCR 2017, the structure of the building is design as per the norms of the Indian standards.
- Design of staircase and railing is provided as per the provision of the clause no. 21.1.12 and 21.1.14 and 22.6 of CGDCR 2017.
- Pedestrians ramp is provided as per the provision of the clause no. 21.1.15. of CGDCR 2017.
- Lift is provided as per the provision of the clause no. 21.12 and 22.8 of CGDCR 2017.
- Water tank is provided as per the provision of the clause no. 21.6 of CGDCR 2017.
- Separate letter box is provided at ground level for each unit.
- Water tank for fire safety requirement provided as per ghesfor no. 22.21 of CGDCR 2017.
- Electrical infrastructure shall be provided as per clause no. 21.11 of CGDCR 2017.
- Drinking water facility for disable persons is provide as per the clause no. 21.6.2 of CGDCR 2017.
- Drainage facility is provided as per the clause no. 21.10 of CGDCR 2017
- Signages of the parking place is to be provided as per the clause no. 21.7 of the CGDCR 2017.
- Entrance of the building is provided as per the clause no. 21.1.7 of CGDCR 2017.
- The paving of building on/final plot as per the provision of the clause no. 21.1.4 of CGDCR 2017.
- The structure of the building is as per the norms of the specified in the Indian standard and take necessary action for the structural safety during the construction.
- Rain water storage tank and rain water harvesting system is provided as per the clause no. 25.2 of CGDCR 2017.
- Community bin provided as per the provision of the clause no. 25.3 of CGDCR 2017.
- Tree plantation is provided as per the clause no. 25.5 of CGDCR 2017.
- solar water heating system is provided as per clause no. 25.6 of CGDCR 2017.
- pollution control system is provided as per chapter no. 26 of CGDCR 2017.
- Fire safety system is provided as per chapter no. 27 of CGDCR 2017.
- Fire safety provisions shall be made as per the fire prevention and life safety measures regulation,2016 and fire prevention and life safety measures act-2013.
- Maintenance and upgradation of building is as per chapter no. 27 of CGDCR 2017.
- Marginal space & cellar slab shall have load bearing capacity of 40/60 tonnes per square meter shall be provided as per chapter no. 22.3 of CGDCR 2017.
- Roof top solar energy installation & generation shall be provided as per clause no. 25.6.1 of CGDCR-2017.
- The glazed surface area of the external facade shall be non-reflective and provided upto max of 50% of the total surface area of each facade with the provision of safety railing upto sill level as per GDCR 23.. NO. 21.13..

1. HYDRANT SYSTEM:

ON/OFF switches located near the hose reel hose or hydrant outlet, at each floor the main FirePump at the underground water tank with a capacity to discharge 900 litres per minute at 3 bar. pressure as measured at the terrace level should be installed.
The fitter for the buildings exceeding 15 meters and above 18 meters height should not be of less than 100 mm. internal diameter. The door should be connected to the bottom of the terrace tank with a stop value and a NRV to act as a Down - comer.
One riser is required for every 1000sq. meters floor area and if the building is divided into, two or more parts then each part should have a separate riser with all the fittings at floor level. Each floor should have one hydrant outlet with a coupling for attaching a 63 mm.dia hose & 25 mm.bore Hose-reel hose with 8 mm. SS. Shut off nozzle at each floor landing. The length of the hose reel hose should be enough to reach the farthest corner of the floor. Hose-hos with 15 meters long 63mm. dia. hose and 15.5 mm. bore nozzle at alternate floors. The Hose-reel hose should be coupled to the Riser.
Fire-service inlet should be installed at a point near the entry to the premises where a Fire service vehicle can approach easily.
A permanent hydrant point comprising of 63 mm.dia size 2nos of Hydrant valves should be installed of the terrace level.
Overhead tank Refilling/spare connection should be done at the terrace level.
The Overhead tank shall be of a capacity of not less than 20,000 litrs. The Underground tank shall be of not less than 1,00,000 litrs.

2. FIRE ALARM:

Fire alarm call point to be installed at each floor with sounders capable of being heard all throughout the building.

3. FIRE EXTINGUISHERS:

One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. with ISI mark. and one extinguisher of Dry. Dry Chemical Powder (DCP) type extinguisher with ISI mark to be installed on each-floor in case of commercial building.
One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. with ISI mark. OR Two Carbon Dioxide (Co2) type extinguisher of 2 kg. with ISI mark capacity on alternate floors in case of residential building.
If the building is divided into two or more parts then each part should have these extinguishers installed.

4. STAIRCASE :

The staircase has to be open from at least one or two sides but if the staircase is in the centre core of the buildings it has to be pressurized to prevent it from getting smoke logged.
The Rise/Down-corner should be located in the staircase or close to it to make it easily approachable in case of Fire from the floor bellow or above.

5. BASEMENT :

The basement of 200 sq. meters or more should be protected with Automatic Sprinkler system with at least one sprinkler head for actual Car parking space.
Additionally be protected by a Hydrant outlet and two 25 mm. bore Hose-reel hoses with 8 mm. bore nozzles at each basement level.

6. LIGHTENING ARRESTER :

A lightening arrester should also be installed and be properly earthed to prevent damage to the building when the lightening strikes.

7. PHOTO LUMINESCENT (AUTO GLOW) SIGNAGE'S:

If the building falls in a confined area or if it has an enclosed staircase or is not well lit-up on the inside, then adequate photo luminescent (auto glow) signage's should be displayed at each floor / landing / pathway / dead-end along all exit routes leading to the ground level. The signage should indicate fire fighting, fire safety equipment present on the respective floor/landing/pathway/dead-end and along all exit routes leading to the ground level.

8. ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE-SAFETY SYSTEM

Electricity supply to the fire pumps, fire alarm system, staircase pressurization system and fire lift should be made available from the main Electrical supply. (i.e. from Electrical power supply of the company) This is to ensure availability of power supply to the fire protection & Safety system even after the main electrical supply to the building is switched off at the time of fire.

9.INDIVIDUAL FIRE SEFTY SYSTEM

FIRE SEFTY SYSTEM SHOULD BE PROVIDED IN EN'DUAL SHOW ROOM BY OWNER

IMPORTANT INSTRUCTIONS:

After inspection of a low-rise building by the fire service authority/ if the fire officer concerned finds th need for additional fire prevention/protection measures / ventilation system required or equipment (i.e. - Passive system / Suppression system / Fire door - Window / Detection system / Active system / Sprinkler / Drencher etc) as per Fire load / Florida / Public gathering Potential / Occupancy / Cardinal area, these additional measures / equipment have to be implemented /

OWNER:-

Jiyesh J. Patel
B. P. Patel
મારા (ભાગમાં આવતા
હિસ્સાના જ નકશા
Rahul Patel
P. Patel

ARCHITECT:-

NIRAN N. PATEL
411,Platinum Plaza,Nikol,A'bad.
AMC LIC No. ER07482804201R1
AMC LIC No. CW05201004221R1
AMC LIC No. SD0455260120

ENGINEER/COW:-

MANISHA ENTERPRISE
DEV 1143190623
PARTNER

DEVLOPER:-

VIREN D. PAREKH
STRUCTURAL DESIGNER
LIC No. SD 03421810201R1
402, Maulik Arcade,
Nr. Mansi Cross Road,
Above Kamavati Pagarkha Bazar,
Vastrapur, Ahmedabad-380 015.

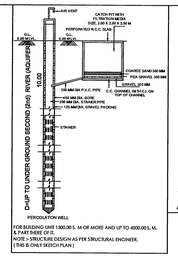
STR. ENGINEER:-

સરદાર પટેલ્યે પાર્કિંગ એરિ.એરિ.આર્ટી. ના નાર્ગ્રા ના નીચે
મુજબના કોઈ, તે વસ્તુના લાગતા વી. યુ. પરવાનેવાળા
બાંધકામ અંગેના વિભાગમાં અભિપ્રાય મેળવવાનો રહેશે

Ahmedabad Municipal Corporation
Case No : BLNTWEZ/10041/CGDCR/V/AMC/R2/RM1
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number : 0024/R2/0018/AMC/R2/RM1
Date : 28/12/20
Zone: EAST

T.D. Sub Inspector (B.P.S.P.) | T.D. Inspector (B.P.S.P.) | Asst. T.D.O. (B.P.S.P.)
AUTHORITY
T.D.O. (B.P.S.P.)

SCRUTINIZE COPY
NO. 2016 Dt. 4/5/16
T.D.O., BPSP, AMC



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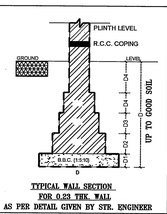

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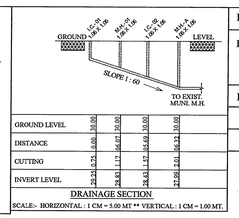

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LIFT CALCULATION:-

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ABOVE SECOND FLOOR

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(4) 22.46 X (8.95+7.62) /2 = 186.08 SQ.MT.
NET PROV. COMMON PLOT = 461.43 SQ.MT.

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FLOOR AREA (TOTAL) :- 1498.07 SQ. MTS.
4 SQ. MTS. = 1 PERSON
1498.07 SQ. MTS. = 375 PERSON
188 GENTS & 187 LADIES

SANITORY REQ.
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FEMALE W.C. REQD. = 6 W.C.
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= 3 REQD.

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1 P.H. W.C. PROVIDED

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8 NOS. OF COMMUNITY BIN EACH OF 80 LITRES CAPA. SHALL BE PROVIDED IN MARGINAL OPEN SPACE.
PROVIDED = 8 UNITS / 1BIN / 80 LITRES CAPACITY.
REQUIRED = 108 UNITS / 8UNITS / = 13.50 NOS. REQD.
PROVIDED CONTAINER = 14 NOS.

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SHALL BE PROVIDED IN MARGINAL OPEN SPACE.
CONTAINER REQD. = 1498.07 X 20 / 100 X 80 = 3.74 NOS.
SAY 1 NO. OF CONTAINER OF CAPACITY 80.0 LITRE
MAX. CAP. OF CONTAINER = 80.0 LIT.
PROVIDED CONTAINER = 4 NOS.
TOTAL C.BIN PROVIDED = 14 NOS.FOR RESI.
+ 4 NOS. FOR COMM.
= 18 NOS.OF 80 LIT.CAPACITY

REQ. PERCOLATING WELL

PLOT AREA :- 1500 TO 4000 SQ. MTS.
1 PERCOLATING WELL
PLOT AREA = 4611.00 / 4000.00 SQ. MTS.
= 1.15 NO. REQ. SAY 1 NOS.
PROVI. 2 NO.PERCO. WELL

TREE PLANTATION	REQUIRED	PROVIDED TREE
UP TO 100	04	117
100 TO 500 (4 TREE/200SMT.)	08	
501 TO 4611 (5 PER 200 SMT.)	105	
TOTAL REQ.	117	

BUILT UP AREA STATEMENT (IN SQ.MT.)

BLOCK	A+B	C+D	TOTAL
BASEMENT FL.	3267.95	--	3267.95
GROUND (H. P.)	507.57	504.12	1011.69
GROUND (S. P.)	551.18	422.62	973.80
1ST FLOOR	1058.75	847.58	1906.33
2ND FLOOR	947.03	847.58	1794.61
3RD FLOOR	947.03	847.58	1794.61
4TH FLOOR	947.03	847.58	1794.61
5TH FLOOR	947.03	847.58	1794.61
6TH FLOOR	947.03	847.58	1794.61
7TH FLOOR	947.03	657.49	1604.52
STAIR CABIN	86.70	79.77	166.47
LIFT MAC. ROOM	52.06	50.61	102.67
TOTAL	11206.39	6800.09	18006.48

F.S.I. AREA STATEMENT (IN SQ.MT.)

BLOCK	A+B	C+D	TOTAL
GROUND (S. P.)	528.97	422.62	951.59
1ST FLOOR	963.17	777.56	1740.73
2ND FLOOR	878.36	777.56	1655.92
3RD FLOOR	878.36	777.56	1655.92
4TH FLOOR	878.36	777.56	1655.92
5TH FLOOR	878.36	777.56	1655.92
6TH FLOOR	878.36	777.56	1655.92
7TH FLOOR	878.36	587.47	1465.83
TOTAL	6762.30	5675.45	12437.75

TENAMENT & FLOOR AREA STATEMENT

FLOOR / BLOCK	USE	EQUITY TENA. A+B COM.	A+B RESI.	C+D COM.	C+D RESI.	TOTAL COM.	TOTAL RESI.
BASEMENT FL.	PARK.	--	--	--	--	--	--
GROUND (H. P.)	PARK.	--	--	--	--	--	--
GROUND (S. P.)	SHOP	17	--	16	--	33	--
1ST FLOOR	COMM/RESI	16	04		08	16	12
2ND FLOOR	RESI	--	08	--	08	--	16
3RD FLOOR	RESI	--	08	--	08	--	16
4TH FLOOR	RESI	--	08	--	08	--	16
5TH FLOOR	RESI	--	08	--	08	--	16
6TH FLOOR	RESI	--	08	--	08	--	16
7TH FLOOR	RESI	--	08	--	06	--	16
TOTAL	SHOP/RESI	33	52	16	54	49	106

BLOCK - C+D SHEET NO:- 1/10

PLAN SHOWING PROPOSED RESI.+ COMM. BUILDING ON T.P. NO.:- 42/1, (O.P. NO.:- 42/1, SUR. NO.:- 418/1), T.P.S. NO.:- 110, (NIKOL - KATHWADA) FINAL
AT.: NIKOL, TA.: ASARWA, DIST.: AHMEDABAD

ZONE : R1 USE : RESIDENCE + COMM.
LAY OUT SCALE:- 1C.M. = 2 MT.

AREA TABLE	SQ.MTS.
PLOT AREA OF F.P. NO. 42/1	4611.00
REQ.COMMON PLOT @ 10%	461.10
PROV.COMMON PLOT AREA	461.43

AREA TABLE	SQ.MTS.
PLOT AREA	4611.00
PERMI. F.S.I - (1:80 X 4611.00)	8299.80
CHARGEABLE F.S.I. (0.90 X 4611.00)	4149.90
MAX. PERMI. F.S.I. (8299.80+4149.90)	12449.70
TOTAL UTILIZED F.S.I.	12437.75
CHARGABLE F.S.I.	4137.95
BALANCE F.S.I.	11.95

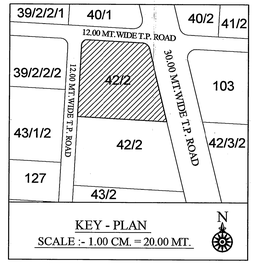
COLOUR NOTES:-
F. P. BOUNDARY — ROAD
PROP. WORK — P. WELL
PROP. DRAIN-LINE — COM.BIN.
COMMON PLOT — TREE

OWNER:-
Jayesh J. Patel
P. P. Patel
મારો હિસ્સાનું ફિરાવવા
આકારણી કે ર. નંબર
Parikh Patel
P. Patel

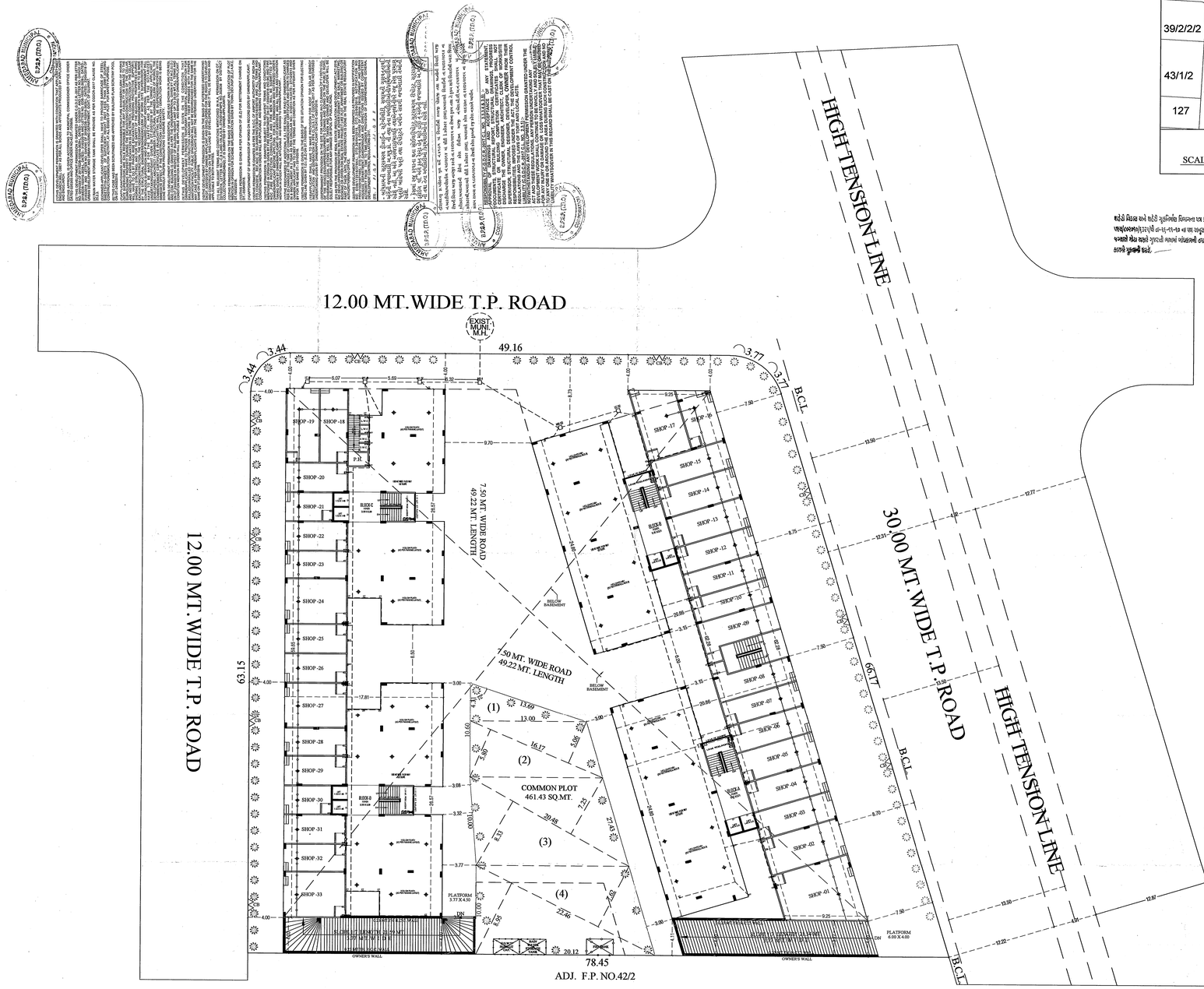
ENGINEER/COW:-
KIRAN N. PATEL
431,Platinum Plaza,Nikol,A'bad.
AMC LIC No. ER0748280420R1
AMC LIC No. CW0582100422R1
AMC LIC No. SD0455260120

DEVLOPER:-
MANISHA ENTERPRISE
DEV 1143190623
PARTNER

STR. ENGINEER:-
VIREN D. PAREKH
STRUCTURAL DESIGNER
LIC No. SD 0342181020R1
402, Maulik Arcade,
Nr. Ilansi Cross Road,
Above Kamavati Pagarkha Bazar,
Vastrapur, Ahmedabad-380 015.

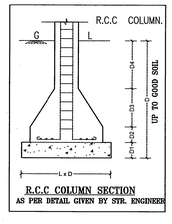


KEY - PLAN
SCALE :- 1.00 CM. = 20.00 MT.

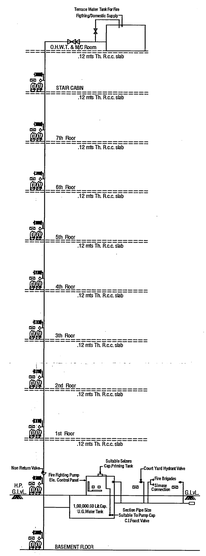


LAY - OUT PLAN
SCALE :- 1.00 CM. = 2.00 MT.

FIRE HYDRANT LEGEND		
SR.	SYMBOL	DISCRIPTION
1		FIRE HYDRANT SYSTEM PIPE MAIN
2	SH	SINGLE HANDED HYDRANT VALVE
3		SLUICE VALVE
4		NON RETURN VALVE
5		LANDING HYDRANT VALVE
6		FIRE HOSE BOX
7		FIRST AID HOSE REEL
8		DC.P & CO-2
9		TWO WAY SIAMESE CONNECTION
10		RISE OR DROP
11		REDUCER
12		COURT YARD HYDRANT VALVE
13		SPRINKLERED



R.C.C COLUMN SECTION
AS PER DETAIL GIVEN BY STR. ENGINEER



GENERAL NOTES :-

- It is certified that plot under reference is surveyed by me and the dimensions of all sides of plot and plot area as shown in plan are measured by engineer on record and in accordance with ownership / revenue record.
- Engineer is fully responsible for leaving open space and margin.
- The depth and position of existing municipal manhole is verified by on site and premises can get drainage connection.
- It is certify that according to CGDCR 2017 all all requirements of the building are checked and necessary actions are taken.
- It is certify that according to the clause no. 3.5.3 of the CGDCR 2017, the structure of the building is design as per the norms of the Indian standards.
- Design of staircase and railing is provided as per the provision of the clause no. 21.1.12 and 21.1.14 and 22.6 of CGDCR 2017.
- Pedestrians ramp is provided as per the provision of the clause no. 21.1.15 of CGDCR 2017.
- Lift is provided as per the provision of the clause no. 21.12 and 22.8 of CGDCR 2017.
- Water tank is provided as per the provision of the clause no. 21.6 of CGDCR 2017.
- Separate letter box is provided at ground level for each unit.
- Water tank for fire safety requirement provided as per chapter no. 22.21 of CGDCR 2017.
- Electrical infrastructure shall be provided as per clause no. 21.11 of CGDCR 2017.
- Drinking water facility for disable persons is provide as per the clause no. 21.6.2 of CGDCR 2017.
- Drainage facility is provided as per the clause no. 21.10 of CGDCR 2017
- Signages of the parking place is to be provided as per the clause no. 21.7 of the CGDCR 2017.
- Entrance of the building is provided as per the clause no. 21.1.7 of CGDCR 2017.
- The paving of building undefinal plot as per the provision of the clause no. 21.1.4 of CGDCR 2017.
- The structure of the building is as per the norms of the specified in the indian standard and take necessary action for the structural safety during the construction.
- Rain water storage tank and rain water harvesting system is provided as per the clause no. 25.2 of CGDCR 2017.
- Community bin provided as per the provision of the clause no. 25.3 of CGDCR 2017.
- Tree plantation is provided as per the clause no. 25.5 of CGDCR 2017.
- solar water heating system is provided as per clause no. 25.6 of CGDCR 2017.
- pollution control system is provided as per chapter no. 26 of CGDCR 2017.
- Fire safety system is provided as per chapter no. 22 of CGDCR 2017
- fire safety provisions shall be made as per the fire prevention and life safety measures regulation-2016 and fire prevention and life safety measures ad-2013.
- Maintenance and upgradation of building is as per chapter no. 27 of CGDCR 2017.
- Marginal space & setbal step shall have load bearing capacity of 4040 tonnes per square meter shall be provided as per chapter no. 22.3 of CGDCR 2017.
- Roof top solar energy installation & generation shall be provided as per clause no. 25.6.1 of CGDCR-2017.
- The glazed surface area of the external facade shall be non reflective and provided upto max of 50% of the total surface area of each facade with the provision of safety railing upto sill level as per GDCR Cl. NO. 21.13.

1. HYDRANT SYSTEM:
ON/OFF switches located near the hose reel hose or hydrant outlet, at each floor the main FirePump at the underground water tank with a capacity to discharge 900 liters per minute at 3 bar. pressure an measured at the terrace level should be installed.
The Riser for the buildings exceeding 18 meters and above 18 meters height should not be of less than 100 mm. internal diameter. The riser should be connected to the bottom of the terrace tank with a stop value and a NRV to act as a Down - comer.
One riser is required for every 1000sq. meters floor area and if the building is divided into, two or more parts then each part should have a separate riser with all the fittings of floor level. Each floor should have one hydrant outlet with a coupling for attaching a 63 mm.dia hose & 25 mm.bore Hose-reel-hose with 8 mm. SS. Shut-off nozzle at each floor landing. The length of the hose reel hose should be enough to reach the farthest corner of the floor. Hose-box with 15 meters long 63mm. dia. hose and 12.5 mm. bore nozzle at alternate floors. The Hose-reel hose should be coupled to the Riser.
Fire-service inlet should be installed at a point near the entry to the premises where a Fire service vehicle can approach easily.
A permanent hydrant point comprising of 63 mm dia size 2nos of hydrant valves should be installed at the terrace level.
Overhead tank Refilling bypass connection should be done at the terrace level.
The Overhead tank shall be of a capacity of not less than 20,000 liters. The Underground tank shall be of not less than 1,00,000 liters.

2. FIRE ALARM:
Fire alarm call point to be installed at each floor with sounders capable of being heard all throughout the building.

3. FIRE EXTINGUISHERS:
One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. with ISI mark. and one extinguisher of 5kg. Dry Chemical Powder (DCP) type extinguisher with ISI mark to be installed on each floor in case of commercial building.
One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. with ISI mark. OR Two Carbon Dioxide (Co2) type extinguisher of 2 kg. with ISI mark capacity on alternate floors in case of residential building.
If the building is divided into two or more parts then each part should have these extinguishers installed.

4. STAIRCASE :
The staircase has to be open from at least one or two sides but if the staircase is in the centre core of the buildings it has to be pressurized to prevent it from getting smoke logged. The Riser/Down-comer should be located in the staircase or close to it to make it easily approachable in case of Fire from the floor below or above.

5. BASEMENT :
The basement of 200 sq. meters or more should be protected with Automatic Sprinkler system with at least one sprinkler head for actual Car parking space.
Additionally be protected by a Hydrant outlet and two 25 mm. bore Hose-reel hoses with 8 mm. bore nozzles at each basement level.

6. LIGHTENING ARRESTER :
A lightening arrestor should also be installed and be properly earthed to prevent damage to the building when the lightening strikes.

7. PHOTO LUMINESCENT (AUTO GLOW) SIGNAGES :-
If the building falls in a confined area or if it has an enclosed staircase or is not well lit up on the inside, then adequate photo luminescent(auto glow) signage's should be displayed at each floor / landing / pathway / dead-end along all exit routes leading to the ground level. The signage should indicate fire fighting, fire safety equipment present on the respective floor landing/pathway/dead-end and along all exit routes leading to the ground level.

8. ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE-SAFETY SYSTEM
Electricity supply to the fire pump, fire alarm system, staircase pressurization system and fire lift should be made available from the main Electrical supply. (i.e. from Electrical power supply of the company) This is to ensure availability of power supply to the fire protection & Safety system even after the main electrical supply to the building is switched off at the time of fire.

9.INDIVIDUAL FIRE SEFTY SYSTEM
FIRE SEFTY SYSTEM SHOULD BE PROVIDED IN CASUAL SHOW ROOM BY OWNER

IMPORTANT INSTRUCTIONS:
After inspection of a low-rise building by the fire service authority,if the fire officer concerned finds it need for additional fire prevention/protection measures / ventilation system required or equipment (i.e. - Passive system / Suppression system / Fire door - Window / Detection system / Active system / Sprinkler / Drencher etc.) as per Fire load / Firerisk / Public gathering, Potential / Occupancy / Confined area, those additional measures / equipment have to be implemented /

SCRUTINIZE COPY
NO. 2128 Dt. 21/12/25
TDO, BPSP, AMC

Ahmedabad Municipal Corporation
Case No. : BLNTIFIZZ/200418/CGDCR/V/A0164/R0/M1 Zone: EAST
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chithi Number : 00595/200418/A0164/R0/M1
Date : 23/12/2025
J.D. Sub Inspector(B.P.S.P.) | T.D. Inspector (B.P.S.P.) | Asst. T.D.O. (B.P.S.P.)
B.P.S.P. (T.D.O.) AHMEDABAD MUNICIPAL CORPORATION