

1. HYDRANT SYSTEM:

ON/OFF switches located near the hose reel hose or hydrant outlet, at each floor the main fire pump at the underground water tank with a capacity to discharge 900 liters per minute at 3 bar. pressure as measured at the terrace level should be installed.

The Riser for the buildings exceeding 18 meters and above 18 meters height should not be less than 100 mm. internal diameter. The riser should be connected to the bottom of the terrace tank with a stop valve and a NRV to act as a Down - corner.

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 6 mm. SS. Shut-off nozzle at each floor landing. The length of the hose reel hose should be enough to reach the furthest corner of the floor. Hose-box with 15 meters long 50mm. 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 LIFT :

The Fire-Lift and all the lifts should have a provision to ground automatically in case of electricity failure. Each building should have at least one lift as a Fire-Lift and if the building is divided into two or more parts then each should have a Fire-Lift. Lift-well should have blowers to pressurize the lift-well so connected that it will automatically operate when alarm call point is operate, so that it prevents the lift well getting smoke logged.

3. FIRE ALARM:

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

4. 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.

5. 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.

6. 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.

7. LIGHTENING ARRESTER :

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

8. 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/ signs 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.

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

Electricity supply to the fire pump, fire alarm system, staircase pressurization system and the 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.

10.INDIVIDUAL FIRE SEFTY SYSTEM

FIRE SEFTY SYSTEM SHOULD BE PROVIDED IN INDVIAL SHOW ROOM BY OWNER

IMPORTANT INSTRUCTIONS:

After inspection of a low-rise building by the fire service authority if the fire officer concerned feels the 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 / Fire risk / Public gathering. Potential / Occupancy / Confined area, those additional measures / equipment have to be implemented / installed.

FIRE HYDRANT LEGEND

SR.	SYMBOL	DISCRPTION
1		FIRE HYDRANT PIPE MAIN
2		SLUICE VALVE
3		NON RETURN VALVE
4		COURT YARD HYDRANT VALVE
5		LANDING HYDRANT VALVE
6		HOSE BOX
7		FIRST AID HOSE REEL
8		AIR RELEASE VALVE
9		TWO WAY SIAMESE CONNECTION
10		RISE OR DROP

NOTES

- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MANHOLE IS VERIFIED BY ME ON SITE AND PREMISES CAN GETS DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO CGDOR 2017, 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 CGDOR 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 22.8 OF CGDOR 2017.
- PEDESTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.1.15 OF CGDOR 2017.
- LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.1.12 AND 22.8 OF CGDOR 2017.
- WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.6 OF CGDOR 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 CGDOR 2017.
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 21.11 OF CGDOR 2017.
- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 21.10 OF CGDOR 2017.
- SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDED AS PER THE CLAUSE NO. 21.7 OF THE CGDOR 2017.
- ENTRANCE OF THE BUILDING IS PROVIDED AS PER THE CLAUSE NO. 21.1.7 OF CGDOR 2017.
- THE PAVING OF BUILDING UNIT/FINL PLOT AS PER THE PROVISION OF THE CLAUSE NO. 21.1.4 OF CGDOR 2017.
- THE STRUCTURE OF THE BUILDING IS DESIGNED AS PER THE NORMS SPECIFIED IN THE INDIAN STANDARD AND NECESSARY ACTION SHALL BE TAKEN 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 CGDOR 2017.
- COMMUNITY PLOT PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 25.3 OF CGDOR 2017.
- TREE PLANTATION IS PROVIDED AS PER THE CLAUSE NO. 25.5 OF CGDOR 2017.
- MAINTANANCE AND UPGRADATION OF BUILDING IS AS PER CHAPTER NO. 27 OF CGDOR 2017.

1	PLOT AREA	2184.01
2	PERMISSIBLE FSI	3931.22
3	PERMISSIBLE CHARGEABLE FSI	1965.61
4	MAX. PERMISSIBLE F.S.I. (2+3)	5896.83
5	TOTAL UTILISED F.S.I	5891.64
6	UTILISED CHARGEABLE F.S.I. (5-2)	1960.42

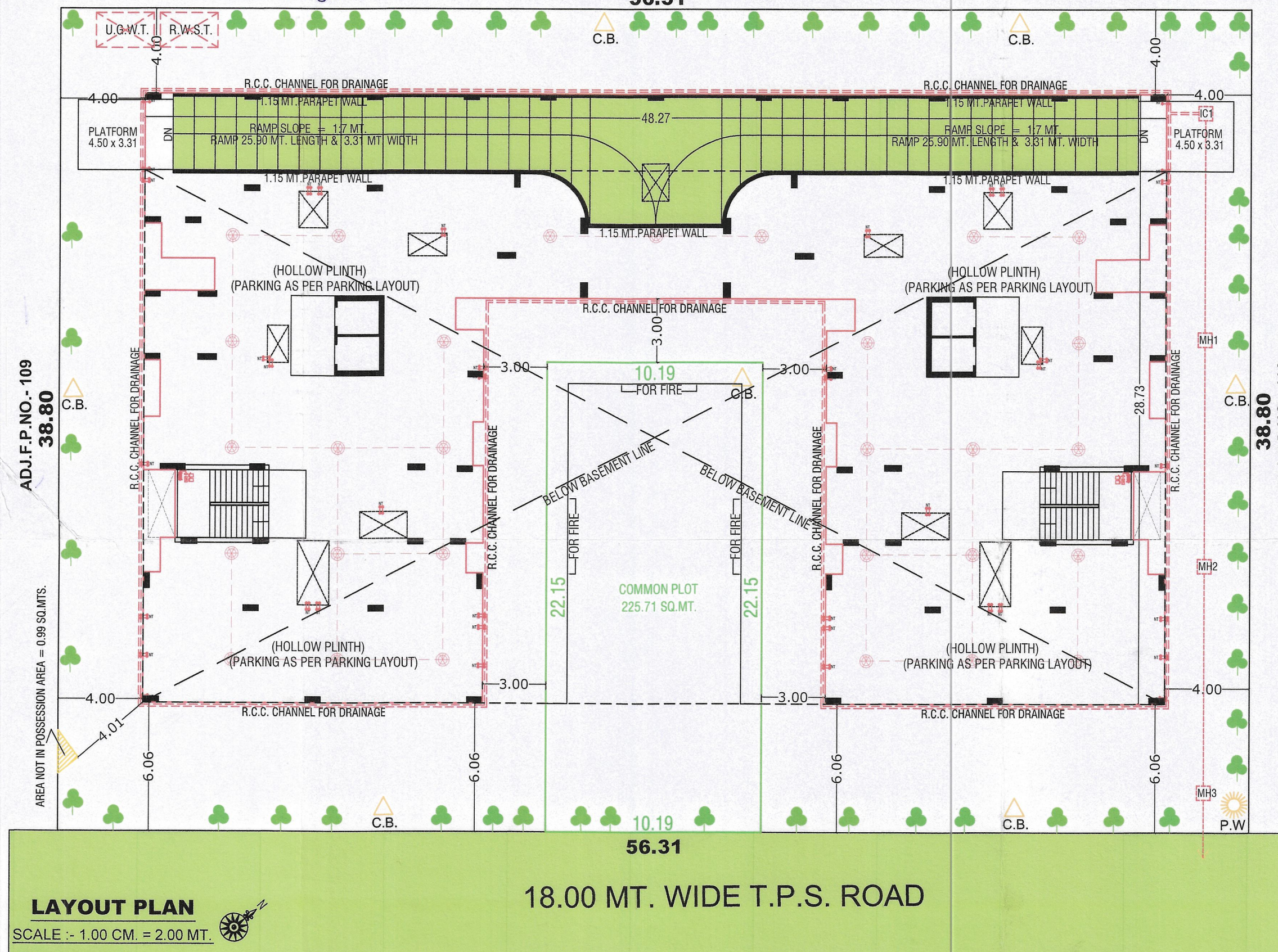
Sr. No	Dwelling Unite Type	NO. OF Unit	Used F.S.I.	% USED F.S.I.	Chargeable F.S.I.
A	COMMERCIAL UNIT	0	0.00	0.00	0.00
B	Up 50 sq.mt	0	0.00	0.00	0.00
C	more then 50 and up to 66	98	5891.64	100.00	1960.42
Grand Total		98	5891.64	100.00	1960.42

BLOCK	CONSUME F.S.I.			No. Of Com. Unit	RESIDENTIAL Dwelling Unit Up 50 sq.mt		RESIDENTIAL Dwelling Unit more then 50 sq.mt and up to 66 sq.mt		Dwelling Unit more then 66 sq.mt and up to 80 sq.mt	
	COMM / OTHER	RESI	TOTAL		No. Of Unit	F.S.I. AREA	% USED F.S.I.	No. Of Unit	F.S.I. AREA	% OF USED F.S.I.
A+B	0.00	5891.64	5891.64	0	0	0.00	0.00	98	5891.64	100.00
TOTAL	0.00	5891.64	5891.64	0	0	0.00	0.00	98	5891.64	100.00

ખાસ નોંધ :

ફોટો લે-ગ્રાઈટ લેમ્પ સેટીક ટેક તથા સાઈડ ની સાઈડ તથા સોપા મોશનલ ડિલેડો કોડ (સાઈ.એસ.-૨૪૦૦) તથા સિવિલ સેન્ટ્રીનીચીંગ કેન્સ બુક્ બાય-બેન્કા સુવર્ણ રાખવામાં આવેલ છે તે અનુસાર અચ્છરદાર જમીન માલિકે ચલાવવું બાંધકામ કરવાનું રહેશે.

ADJ.F.P.NO.- 113
56.31

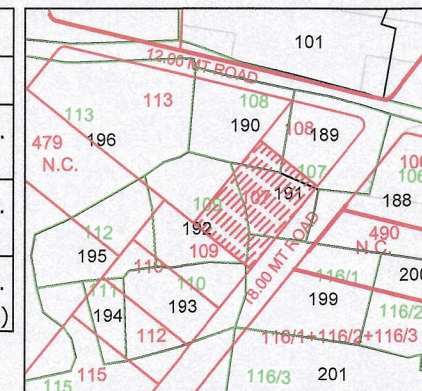


18.00 MT. WIDE T.P.S. ROAD

APPR.AREA TABLE		IN SQ.MTS.	
FLOOR	USE	UNIT	FL.AREA
GR.FL. (H.P.)	PARKING	-----	-----
1st.FL.	RESI.	14	845.52
2nd.FL.	RESI.	14	845.52
3rd.FL.	RESI.	14	845.52
4th.FL.	RESI.	14	845.52
5th.FL.	RESI.	14	845.52
6th.FL.	RESI.	14	845.52
7th.FL.	RESI.	14	825.66
STAIR CABIN	----	----	90.16
LIFT MACHI. & O.H.W.T	----	----	56.73
TOTAL	RESI.	98	5898.78

REVI.AREA TABLE		IN SQ.MTS.	
FLOOR	USE	UNIT	FL.AREA
BASEMENT	PARKING	-----	-----
GR.FL. (H.P.)	PARKING	-----	-----
1st.FL.	RESI.	14	844.50
2nd.FL.	RESI.	14	844.50
3rd.FL.	RESI.	14	844.50
4th.FL.	RESI.	14	844.50
5th.FL.	RESI.	14	844.50
6th.FL.	RESI.	14	844.50
7th.FL.	RESI.	14	824.64
STAIR CABIN	----	----	91.32
LIFT MACHI. & O.H.W.T	----	----	58.21
TOTAL	RESI.	98	5891.64

LIFT CALCULATION	
FLOOR	
3RD TO 7TH FLOOR	70 NO.
1 LIFT REQD. /30 NO. (6 PERSON)	3 NO.
LIFT PROVIDED	4 NO. (10 PER.)



KEY PLAN
(SCALE 1CM = 20.00 MTS.)

CONTAINER BIN AREA CALC.

RESI : 1 UNIT 10 LIT. REQ. 1 CONTAINER
TOTAL UNIT 98 x 10 LIT. = 980 LIT.
980 / 80 = 12.25 NOS. CONT.
REQD. 13 NOS BIN OF 80 LIT CAP.
PROVI. 13 NOS BIN OF 80 LIT CAP.

TREE PLANTATION CAL. :

PLOT AREA = 2185.00 SQ.MT.
200.00 SQ. MT. = 5 NOS. TREE REQ.
2185.00 / 200.00 x 5 = 54.63 NOS.
SAY 55 NOS.
PROVIDE 55 NOS. TREE.

PERCOLATING WELL CALC:-

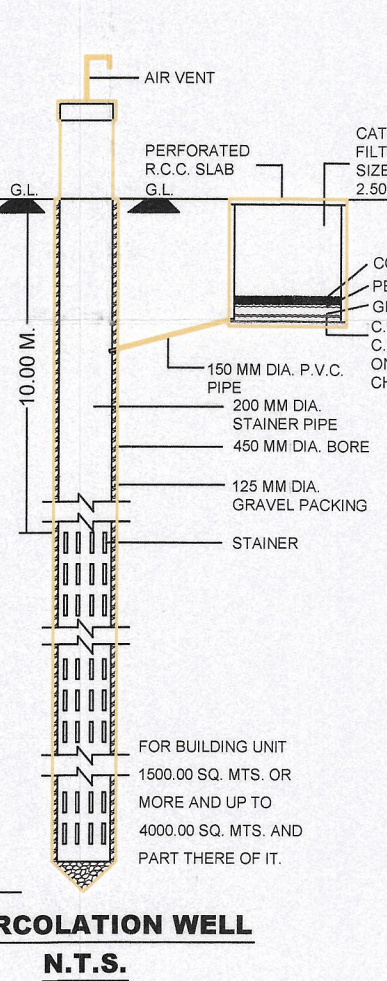
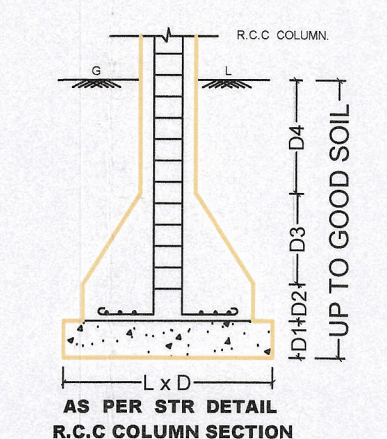
REQ. 1500 TO 4000 SMT= 1 NOS.
2185.00 / 4000.00 = 0.55 NOS.
SAY REQ. P.WELL = 1 NOS.
PROVI. P.WELL = 1 NOS.

COMMON PLOT -I AREA CALC.

10.19X22.15 = 225.71 SQ.MT.

DATTON	CUTTING	INVERT	GROUND	DISTANCE
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

DRAINAGE SECTION
SCALE HORI :- 1CM = 5MT.
VERTI :- 1CM = 1MT.



RESIDENTIAL AFFORDABLE HOUSING

1/6

LAYOUT PLAN

REVI. LAYOUT PLAN SHOWING RESIDENCE BUILDING ON SUR/BLOCK NO.- 189,191 OF F.P.NO.- 107, DRAFT T.P.S. NO:- 6 (KALOL-SAIJ-BORISANA) AT:- BORISANA, TA.:- KALOL, DIST.:- GANDHINAGAR

SCALE : 1.00 CM = 2.00 MT

ZONE :- RESIDENTIAL - I (R1)

USE :- RESIDENCE

AREA TABLE		IN SQ.MTS.	
		APPR.	REVI.
PLOT AREA OF F.P NO:- 107		2185.00	2185.00
AREA NOT IN POSSESSION		-----	0.99
NET PLOT AREA OF F.P NO:- 107		-----	2184.01
REQ. COMMON PLOT AREA @ 10%		218.50	218.50
PROVI. COMMON PLOT AREA		225.71	225.71
PERMI. F.S.I. AREA (2184.01 x 1.8)		3933.00	3931.22
CHARG. F.S.I. AREA (2184.01 x 0.9)		1966.50	1965.61
TOTAL PERMI.+ CHARGEABLE		5899.50	5896.83
TOTAL USED F.S.I. AREA		5898.78	5891.64
CHARGEABLE F.S.I. AREA (5891.64 - 3931.22)		1965.78	1960.42

COLOR NOTE			
PLOT BOUNDARY		TREE	
ROAD / PATHWAY		CONTAINER BIN	
REVI. WORK		P.WELL	
REVI.DRAINAGE			

SAI CORPORATION

PARTNER

SAI CORPORATION

PARTNER

OWNER

SURESH K. JAIN
SKI INFRAPROJECTS LLP
LNC NO:- AUDA/DEV/00994

JAYESH D. DESAI
AUDA S. D. LIC. NO. 1/241,
87, ARTI TENA, GHATLODIYA,
AHMEDABAD-380 061.

DEVELOPER

ST-ENGINEER

Praful A. Shrimali
31, Tejanand Society,
B/H. Market Yard,
O.N.G.C. Road, Kalol - 382721.
AUDA Reg. No.: AUDA/ENG/367

Praful A. Shrimali
31, Tejanand Society,
B/H. Market Yard,
O.N.G.C. Road, Kalol - 382721.
AUDA Reg. No.: AUDA/COW-1/249

ENGINEER

C.O.W.

Final Plan boundary and allotment of final plot is Subject to Variation by Town Planning Officer

Owner is fully responsible For open marginal Space and road line Portion.



DISPATCH BY
Assistant Town Planner
Ahmedabad Urban Development Authority
Ahmedabad.

APPROVED
As amended by Reg (Colour) Subject to the condition as mentioned in this Letter PM No. 101/51/2019
Date: 08/08/2019
Note Approved by C.E.A

8 AUG 2019
Senior Town Planner
Ahmedabad Urban Development Authority
Ahmedabad.