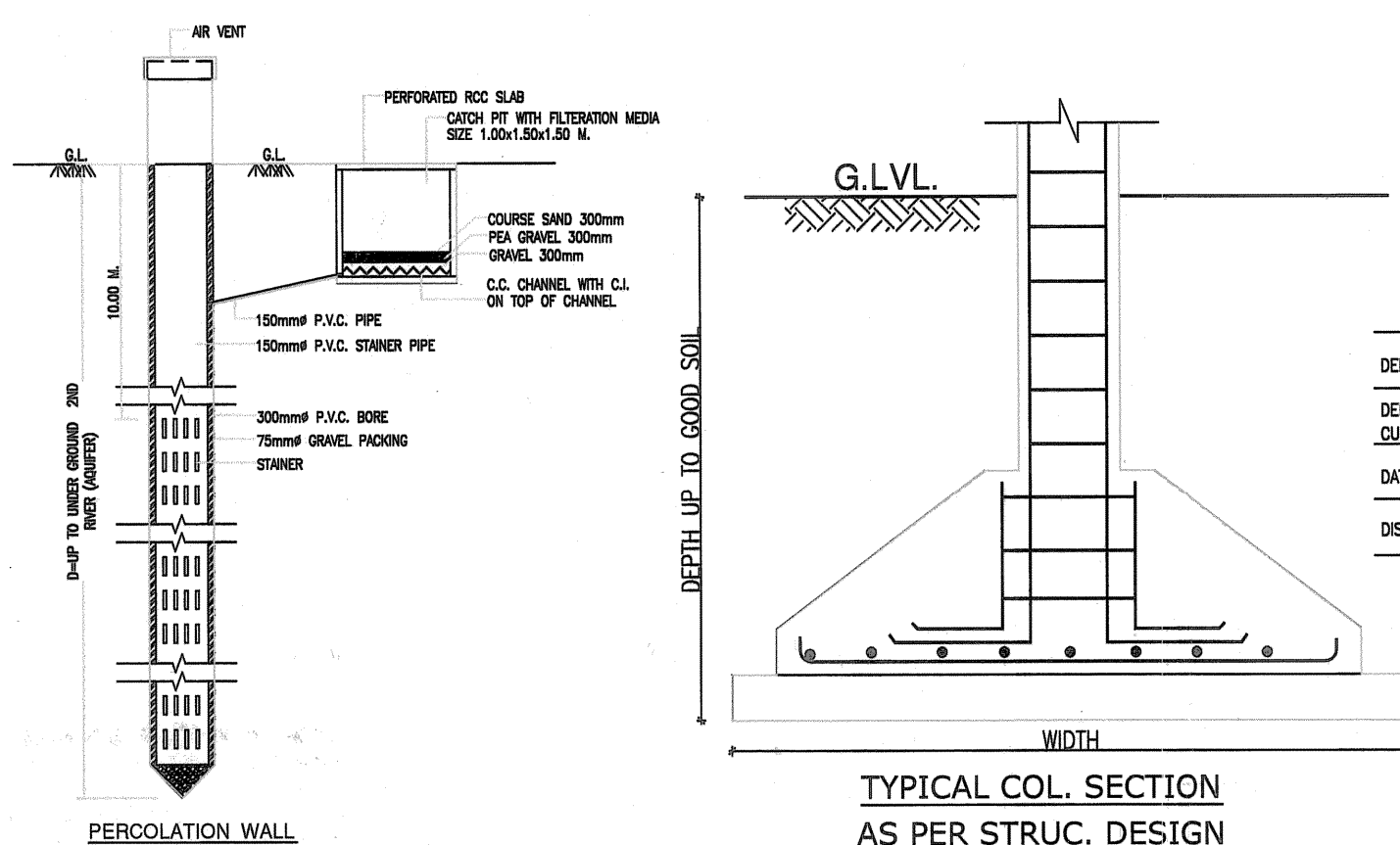




PERCOLATION WALL
FOR BUILDING UNIT 1500.00 SQ. MTRS. OR MORE AND UP TO 4000.00 SQ. MTRS. PART THERE OF IT. (NOTE: STRUCTURE DESIGN AS PER STRUCTURAL ENGG. THIS IS ONLY SKETCH PLAN) NOT TO SCALE

PERCOLATING WELL CAL.

NET PLOT AREA = 3793.00 SQ. MTRS
PER 1500 TO 4000 SMT. = 1 NO OF PERC. REQ.
= 3793.00/4000 = 0.95 SAY 1 NOs. OF PERCO.
PROVIDED PERCOLATING WELL = 1 NOs.

TREE PLANTATION CAL.

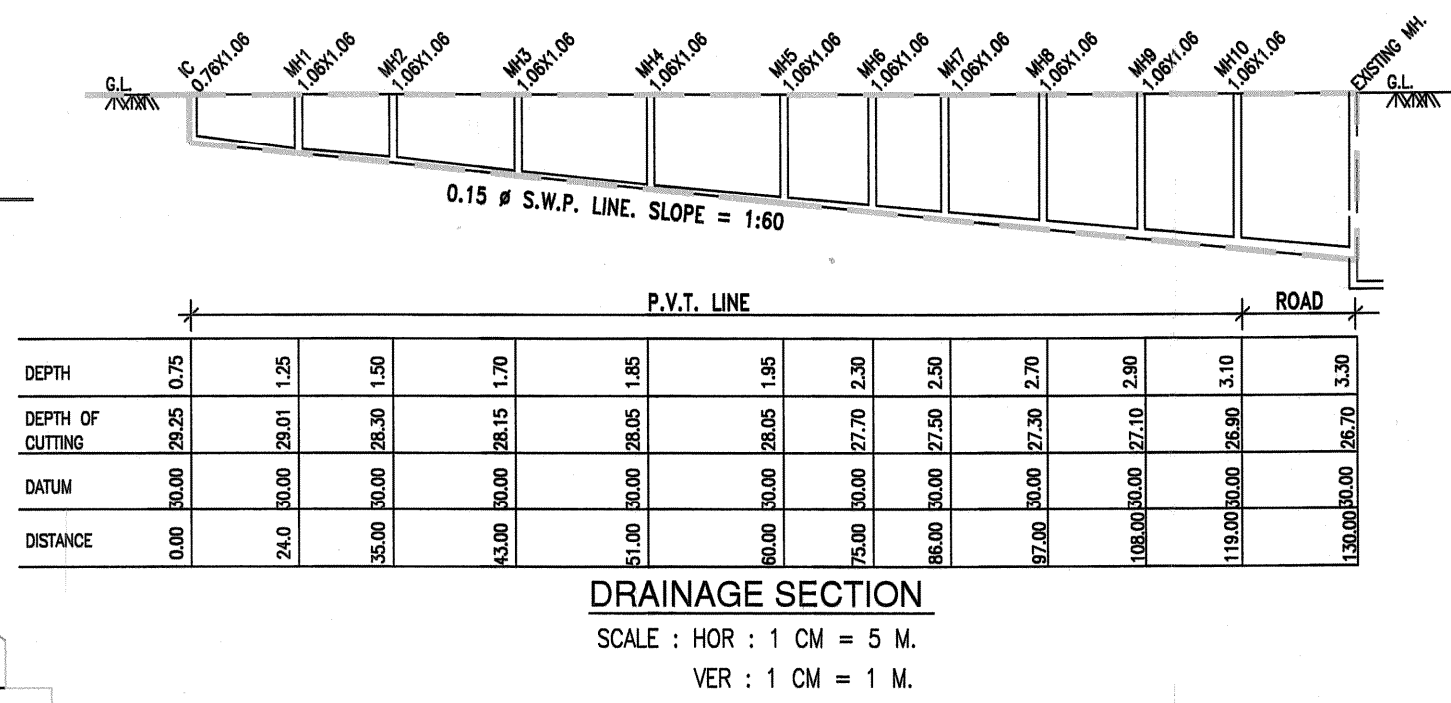
NET PLOT AREA = 3793.00 SQ. MTRS
PER 200 SMT. = 5 NO OF TREE REQD.
= 3793.00/200 = 18.965 = 94.80
SAY 95 NOs. OF TREE REQD.
PROVIDED TREE = 95 NOs.

COMMON PLOT

NET PLOT AREA = 3793.00 SQ. MTRS
REQ. COMM. PLOT @ 10%
(3793.00 X 10) = 379.30 SQ. MT.
PROVIDED COMM. PLOT:-
(1) 1/4 X (9.91+13.82) X 36.58 = 434.02
PROV. COMM. PLOT AREA 434.02 SQ. MT.

* COMMUNITY BIN (CONTAINER) CAL. (RESI. USE)

TOTAL NO OF UNIT = 84 UNITS
CONTAINER REQD. = PER 1 UNIT = 1 NO. (10 Lit. CAP.)
84 UNITS X 10 = 840 Lit.
REQ. CONTAINER = EACH 1=80Lit. CAP. =840/80=10.50 NO.
SAY 11 NOs. REQD. CONTAINER, PROVIDED CONT. 11 NOs.

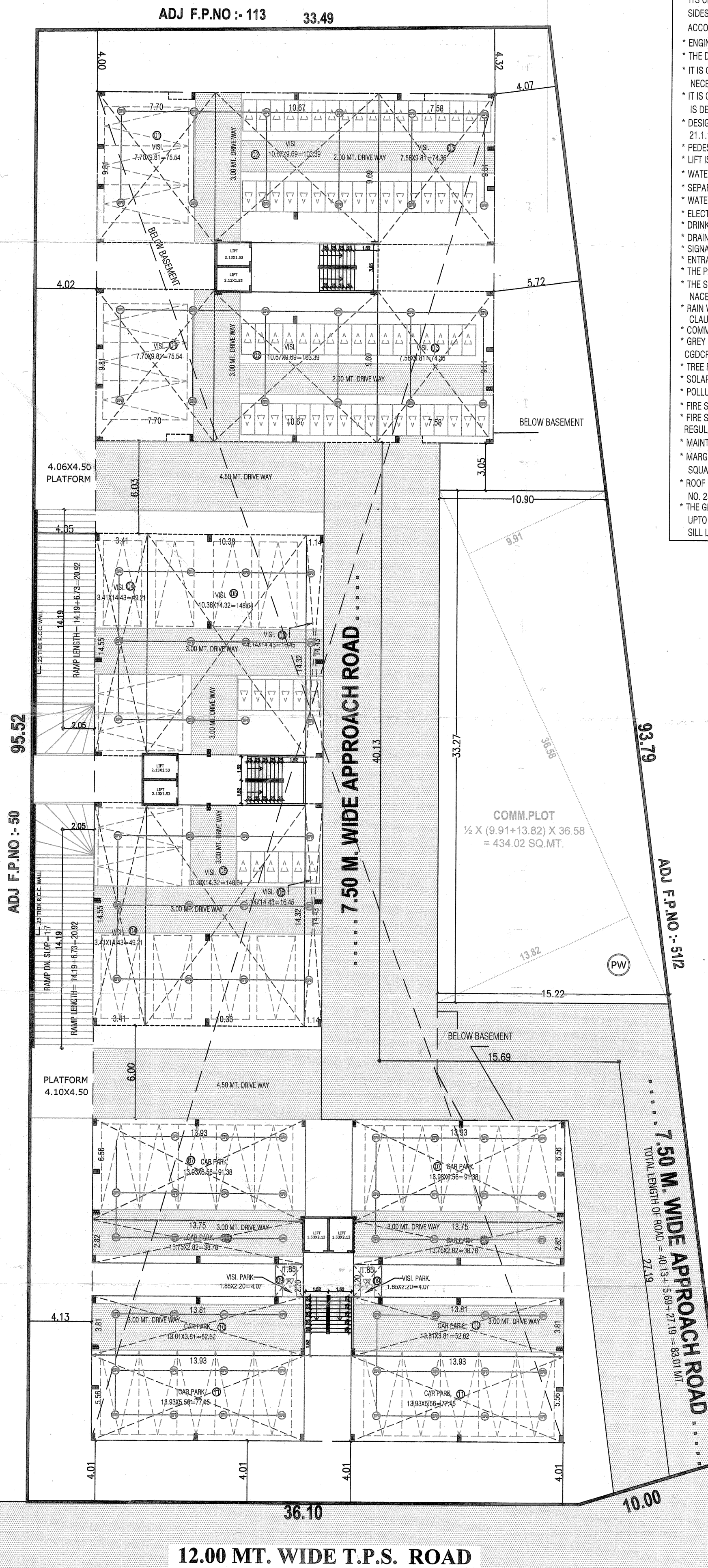


NOTES:-

- * ITS CERTIFIED THAT PLOT UNDER REFERENCE IS SURVEYED BY ME AND THE DIMENSIONS OF ALL SIDES OF 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 & POSITION OF EX. MAIN. M.H. IS VERIFIED BY ME ON SITE & PREMISES GATES DRAIN CONNECTION.
- * IT IS CERTIFY THAT ACCORDING TO CGOBR 2017, ALL REQUIREMENTS OF THE BUILDING AREA CHECKED AND NECESSARY ACTIONS ARE TAKEN.
- * IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 3.5.3 OF THE CGOBR 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 22.5 OF CGOBR 2017.
- * PEDESTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.1.15 OF CGOBR 2017.
- * LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.12 AND 22.8 OF CGOBR 2017.
- * WATER TANK IS PROVIDED

BLOCK	CAR PARKING	OTHER PARKING	VISITOR PARKING	TOTAL
G. LEVEL	(07) 2 X 13.93 X 6.56 = 182.76 (08) 2 X 13.75 X 2.82 = 77.55 (09) 2 X 1.85 X 2.20 = 8.14 (10) 2 X 13.81 X 3.81 = 105.23 (11) 2 X 13.93 X 5.56 = 154.90 TOTAL = 528.58	-----	(01) 2 X 7.70 X 9.81 = 151.07 (02) 2 X 10.67 X 8.89 = 206.78 (03) 2 X 7.58 X 9.81 = 148.72 (04) 2 X 3.41 X 14.43 = 98.41 (05) 2 X 10.38 X 14.32 = 297.28 (06) 2 X 1.14 X 14.43 = 32.90 TOTAL = 936.16	1463.74
BASEMENT	(12) 9.87 X 9.40 = 92.78 (13) 4.46 X 9.46 = 42.19 (14) 11.16 X 9.46 = 105.57 (15) 7.24 X 3.28 = 23.75 (16) 7.47 X 3.40 = 25.40 (17) 9.87 X 12.45 = 122.88 (18) 15.62 X 9.46 = 37.09 (18A) 12.16 X 3.05 = 311.80 (19) 22.02 X 14.16 = 311.80 TOTAL = 909.23	(21) 8.46 X 10.01 = 84.68 (22) 22.02 X 17.18 = 378.30 (23) 13.52 X 8.38 X 2 = 226.59 (24) 3.40 X 6.03 = 20.50 (25) 13.58 X 12.11X2 = 328.80 (26) 3.28 X 5.22 = 17.12 TOTAL = 1056.09	(20) 4.20 X 3.37 X 2 = 28.30	1993.62
TOTAL	1437.81	1056.09	963.46	3457.36

TOTAL F.S.I. (USE) = 10187.03 SMT.				
RESIDENTIAL				
10187.03 X 20% = 2037.41 SMT.				
	REQ.	PROV.		
		BASEMENT	G.FLOOR	TOTAL
VISITOR @ 10%	203.74	28.30	935.16	963.46
CAR @ 50 %	1018.71	909.23	528.58	1437.81
OTHER @ 40 %	814.96	1056.09	-----	1056.09
TOTAL	2037.41	1993.62	1463.74	3457.36



NOTES:-

- * ITS CERTIFIED THAT PLOT UNDER REFERENCE IS SURVEYED BY ME AND THE DIMENSIONS OF ALL SIDES OF 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 & POSITION OF EXI. MUNI. M.H. IS VERIFIED BY ME ON SITE & PREMISES GATES DRAIN. CONNECTION.
- * IT IS CERTIFY THAT ACCORDING TO CGOGR 2017, ALL REQUIREMENTS OF THE BUILDING AREA CHECKED AND NECESSARY ACTIONS ARE TAKEN.
- * IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 3.5.3 OF THE CGOGR 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 CGOGR 2017.
- * PEDESTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO.21.1.15 OF CGOGR 2017.
- * LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.12 AND 22.8 OF CGOGR 2017.
- * WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.6 OF CGOGR 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 CGOGR 2017.
- * ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO.21.11 OF CGOGR 2017.
- * DRINKING WATER FACILITY FOR DISABLED PERSON IS PROVIDED AS PER THE CLAUSE NO.21.8.2 OF CGOGR 2017.
- * DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 21.10 OF CGOGR 2017.
- * SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDED AS PER THE CLAUSE NO. 21.7 OF CGOGR 2017.
- * ENTRANCE OF THE BUILDING IS PROVIDED AS PER CLAUSE NO. 21.1.7 OF CGOGR 2017.
- * THE PAVING OF BUILDING UNITS/PLOT AS PER THE PROVISION OF THE CLAUSE NO. 21.1.4 OF CGOGR 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 CGOGR 2017.
- * COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 25.3 OF CGOGR 2017.
- * GREY WATER RECYCLING SYSTEM & DUAL PLUMBING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 25.4 OF CGOGR 2017.
- * TREE PLANTATION IS PROVIDED AS PER THE CLAUSE NO. 25.5 OF CGOGR 2017.
- * SOLAR WATER HEATING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 25.6 OF CGOGR 2017.
- * POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 26 OF CGOGR 2017.
- * FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER NO. 22 OF CGOGR 2017.
- * FIRE SAFETY PROVISIONS SHALL BE MADE AS PER CHAPTER FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION-2016 AND FIRE PREVENTION AND LIFE SAFETY MEASURES ACT-2013.
- * MAINTENANCE AND UPGRADEATION OF BUILDING IS AS PER CHAPTER NO. 27 OF CGOGR 2017.
- * MARGINAL SPACE & CELLER SLAB SHALL HAVE LOAD BEARING CAPACITY 40/60 TONNES PER SQUARE METER SHALL BE PROVIDED AS PER CHAPTER NO. 22.3 OF C.G.D.C.R-2017.
- * ROOF TOP SOLAR ENERGY INSTALLATION & GENERATION SHALL BE PROVIDED AS PER CLAUSE NO. 25.6.1 OF CGOGR-2017.
- * THE GLAZED SURFACE AREA OF THE EXTERNAL FACADE SHALL BE NON REFLECTIVE AND PROVIDE UPTO MAX 50% OF THE TOTAL SURFACE AREA OF EACH FACADE WITH THE PROVISION OF SAFETY SILL LEVEL AS PER GDOGR CL. NO. 21.13.

The basic requirements for fire protection Highrise buildings.

- 1) Hydrant system
ON/OFF switches located near the house reel house or hydrant outlet, at each floor for the main fire-pump at the underground water tank with a capacity to discharge 500 ltr per min at 3 bar pressure as measured at the terrace level should be installed.
The riser for the buildings exceeding 18 meters height should not be of less than 150mm 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 Downcomer.
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 each floor level.
Each floor should have one hydrant outlet with a coupling for attaching a 65mm. dia. house.
25mm. bore house-reel house with 8mm. shut-off nozzle at each floor landing. The length of the house reel house should be enough to reach the farthest corner of the floor. house-box with 15 meters long 65mm. dia. house and 12.5mm. bore nozzle at alternate floors. The house-reel hose should be coupled to the riser.
Fire-servis inlet should be installed at a point near the entry to the premises where a fire service vehicle can approach easily.
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 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 part then each part should have a fire-lift should have blowers to pressurize the lift-well so connected that it will automatically operate when alarm call point is operated, 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 CO2 extinguisher of 4.5kg. and one extinguisher of 5kg. DCP to be installed on each floor in case of commercial building.
AND/OR
two CO2 extinguisher of 2kg. capacity on each floor and 5kg. DCP extinguisher on alternate floor in case of residential buildings.
If the building is divided into two or more parts then each part should have these extinguisher installed.
- 5) Staircase:
The staircase has to be open from at least one or two side but if the staircase is in the center core of the building it has to be pressurize to prevent it getting smoke logged, and open for two side.
The Riser / Downcomer 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.
- 6) Basement:
The basement of 200kg meter or more should be protected with; Automatic sprinkler system with at least one sprinkler head for a car parking space.
Additionally be protected by a Hydrant outlet and two 25mm. bore House-reel houses with 8 mm. bore nozzles at each basement level.
- 7) Lightning arrestor:
A lightning arrestor should also be installed and be properly earthed to prevent damage to the building when the lightning strikes.

PARKING LAYOUT PLAN		SHEET NO. : 4/4	
REVISE PLAN SHOWING RESI. BLDG.ON SUB PLOT NO.-51/1, OF F.P. NO.51 (R.S. NO.-157) DRAFT T.P.S.NO. 99 (CHILODA-NARODA) VILLAGE.- CHILODA(NARODA),TA.- GANDHINAGAR, DIST.- GANDHINAGAR			
SCALE : 1 CM = 2.0 MT.		USE. : RESI.(DWELLING - 3)	
ZONE : RESI-I			
DEVELOPER: SHREE RANG DEVELOPER AMC DEV LIC NO: 292160420 29, TULSI SOCIETY,C.T.M.,AHD.			
OWNER : MAYANK V. VIRADIYA A-1,2nd Floor,Sardar Patel Mall, Nikol Gam Road,Ahmedabad AMC LIC NO.ER 0768150920 R1 AMC LIC NO.CW 0477150920 R1			
ENGINEER/C.O.W. MAHAVIK R. Sudani (M. Tech. Structure) B/203 PRITHVI SONAL CROSS ROAD OPP. SHARDA SCHOOL, GURUKUL ROAD MEMNAGAR, A/BAD-380013 (Regd. No. SD-0326220919 R1)		STR. ENGINEER : MAHAVIK R. Sudani (M. Tech. Structure) B/203 PRITHVI SONAL CROSS ROAD OPP. SHARDA SCHOOL, GURUKUL ROAD MEMNAGAR, A/BAD-380013 (Regd. No. SD-0326220919 R1)	
ORIGINAL CASE NO:- APPLICATION ID 1004843			
Authority: AMHEDABAD MUNICIPAL CORPORATION Case No. : BL/NTS/NZ/161018/CGDGRV/A0285R/1/M1 Zone: NORTH Plan Approved as per terms and condition mentioned in the Commencement Certificate Raja Chitthi Number : 00512161018/A0285R/1/M1 Date : 31/12/2018 T.D. Sub Inspector (B.P.S.P.) T.D. Inspector (B.P.S.P.) Asst. T.D.O. (B.P.S.P.)			