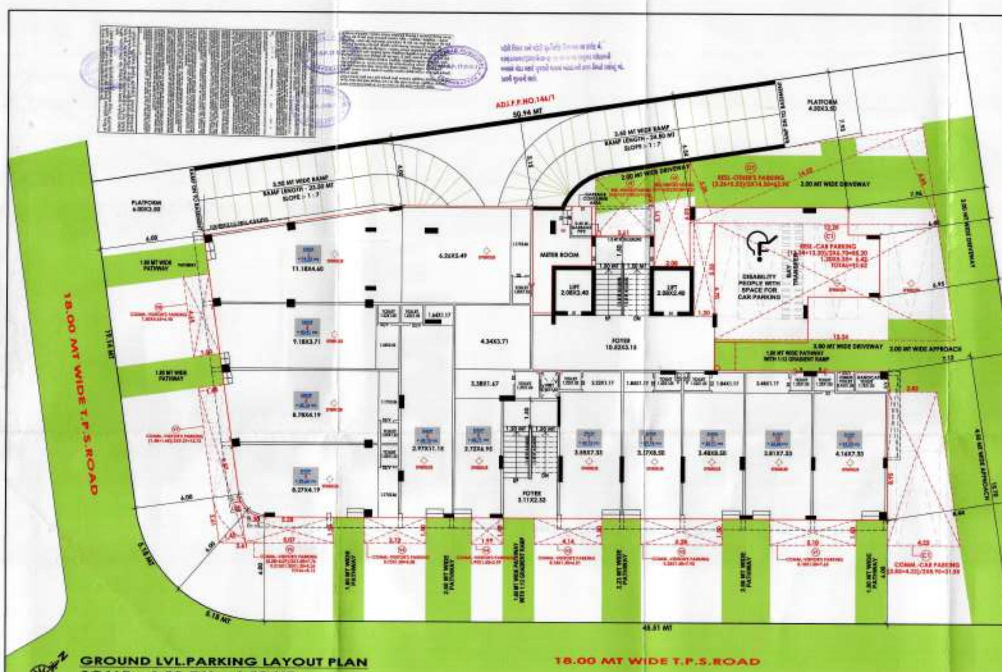
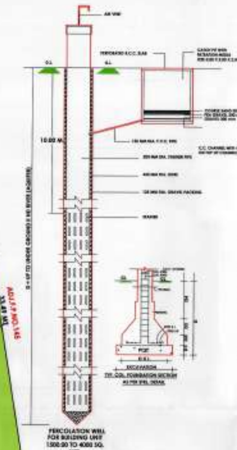


GROUND LVL.PARKING LAYOUT PLAN
SCALE :- 1.00 CM :- 1.00 MT

LAYOUT PLAN
SCALE :- 1.00 CM :- 1.00 MT



PERCOLATION WELL FOR BUILDING UNIT 1500.00 TO 4000 SQ. MTS. AND PART THERE OF IT.

DRAINAGE SECTION.
HORI - SCALE : 1.00 CM = 5.00 MT
VERT - SCALE : 1.00 CM = 1.00 MT

KEY PLAN
(AS PER T.P.O. OPINION)
SCALE :- 1.00 CM :- 20.00 MT

The Basic Requirements For Fire Protection Of High - Rise Building In A.M.C and AUDA Area

LEGEND	DESCRIPTION
	FIRE HYDRANT SYSTEM PIPE MAIN
	SINGLE HANDED HYDRANT VALVE
	SLUICE VALVE
	TWO WAY SIAM CONNECTION
	RISE OR DROP
	NON RETURN VALVE
	REDUCER
	FIRE HOSE BOX
	HOSE REEL HOSES
	SCP & CO2

GENERAL NOTES

- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 23.13 OF THE GDCR-2021.
- SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDED AS PER THE CLAUSE NO. 23.7 OF THE GDCR-2021.
- ENTRANCE OF THE BUILDING IS PROVIDED AS PER THE CLAUSE NO. 23.1.7 OF GDCR-2021.
- THE STRUCTURE OF THE BUILDING IS AS PER THE NORMS OF THE SPECIFIED IN THE INDIAN STANDARDS 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. 27.2 OF GDCR-2021.
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 27.3 OF GDCR-2021.
- TREE PLANTATION IS PROVIDED AS PER THE CLAUSE NO. 27.5 OF GDCR-2021.
- POSITIVE PRESSURE VENTILATION PROVIDED AS PER FIRE OPINION.
- GARBAGE SHAFT SHALL BE PROVIDED AS PER INDIAN STANDARD SPECIFICATION.
- DUAL PLUMBING SYSTEM SHALL BE PROVIDED AS PER INDIAN STANDARD SPECIFICATION.

PARKING AREA TABLE (FOR COMMERCIAL)				
PLOT AREA < 2000.00 SQ.MT TOTAL UTILIZED F.S.I. AREA (COMM.USE)= 945.63 SQ.MT REQ PARKING AREA @ 945.63 X 40 % = 378.25 SQ.MT				
VEHICAL	REQ PARKING AREA	PROVI PARKING AREA		
	FOR COMMERCIAL	H.P.&MARGIN	BASEMENT	TOTAL
CAR PARKING	@ 50 % OF REQ PARK 189.13 SQ.MT	31.55	177.63	209.18
OTHER'S PARKING	@ 30 % OF REQ PARK 113.47 SQ.MT	-----	138.60	138.60
VISITOR'S PARKING	@ 20 % OF REQ PARK 75.65 SQ.MT	57.72	18.95	76.67
TOTAL	378.25 SQ.MT	89.27	335.18	424.45

PROVIDED PARKING AREA CALC.

H.P. & MARGIN
CAR PARKING
C1. (2.63+4.32)/2X8.96=31.44 SQ.MT
VISITOR'S PARKING
V1. 5.10X1.50= 7.65 SQ.MT
V2. 5.28X1.50= 7.92 SQ.MT
V3. 4.14X1.50= 6.21 SQ.MT
V4. 1.99X1.50= 2.99 SQ.MT
V5. 3.72X1.50= 5.58 SQ.MT
V6. (5.26+5.07)/2X1.50= 7.74 SQ.MT
0.21X1.30X1.30= 0.36 SQ.MT
V7. (1.48+1.45)/2X9.37=13.73 SQ.MT
V8. 1.50X4.66= 6.99 SQ.MT
TOTAL=59.18 SQ.MT
LESS:- 0.21X(2.61X2.61)= 1.46 SQ.MT
NET VISITOR'S PARK.=57.72 SQ.MT

PARKING AREA TABLE (FOR RESIDENCE)				
PLOT AREA < 2000.00 SQ.MT TOTAL UTILIZED F.S.I. AREA (RESI USE)= 1757.46 SQ.MT REQ PARKING AREA @ 1757.46 X 20 % = 351.44 SQ.MT				
VEHICAL	REQ PARKING AREA	PROVI PARKING AREA		
	FOR COMMERCIAL	H.P.&MARGIN	BASEMENT	TOTAL
CAR PARKING	@ 50 % OF REQ PARK 175.72 SQ.MT	91.62	120.58	212.20
OTHER'S PARKING	@ 40 % OF REQ PARK 140.58 SQ.MT	63.95	204.23	268.18
VISITOR'S PARKING	@ 10 % OF REQ PARK 35.14 SQ.MT	25.24	34.90	60.14
TOTAL	351.44 SQ.MT	120.81	359.71	540.52

PROVIDED PARKING AREA CALC.

H.P. & MARGIN
CAR PARKING
C1. (13.24+12.20)/2X6.75=86.20 SQ.MT
1.20X3.35= 4.42 SQ.MT
TOTAL=91.62 SQ.MT
OTHER'S PARKING
O1. (3.26+5.85)/2X14.59=65.95 SQ.MT
VISITOR'S PARKING
V4. (5.71+6.03)/2X2.08=12.21 SQ.MT
V5. (3.39+3.97)/2X3.61=13.03 SQ.MT
TOTAL=25.24 SQ.MT

LAYOUT & GROUND LVL.PARKING LAYOUT PLAN			SHEET NO : 1/6
LAYOUT PLAN PROPOSED SHOWING COMMERCIAL + RESIDENCE BUILDING ON F.P NO : 146/2,R.S. NO 326/1/1+326/2/2+327/2,DRAFT T.P.S. NO. 43/A,(SOLA) AT VILLAGE : SOLA , TALUKA : GHATLODIYA , DISTRICT : AHMEDABAD			
SCALE : 1.00 CM = 1.00 MT			
ZONE :- RESIDENCE-II (WITHING S.P.RING ROAD)			
USE OF THE CONSTRUCTION :- COMMERCIAL + RESIDENCE			
AREA TABLE			IN SQMTS
PLOT AREA OF F.P.NO :- 146/2 (AS PER T.P.O.OPINION) PROP B.UP AREA ON GROUND FLOOR OPEN PLOT AREA ON GROUND FLOOR			1502.00 637.27 864.73
F.S.I. AREA TABLE	COMM.	RESI.	TOTAL
PLOT AREA OF F.P.NO :- 146/2 (AS PER T.P.O.OPINION)	----	----	1502.00
PERMI.REGULAR F.S.I AREA @ 1 : 1.2	----	----	1802.40
PERMI.CHARGEABLE F.S.I AREA @ 0.60	----	----	901.20
TOTAL PERMI F.S.I AREA @ @ 1.8	----	----	2703.60
PROP. F.S.I. AREA ON GROUND FLOOR	467.39	----	467.39
PROP. F.S.I. AREA ON 1st. FLOOR	478.24	68.67	546.91
PROP. F.S.I. AREA ON 2nd. FLOOR	----	346.84	346.84
PROP. F.S.I. AREA ON 3rd. FLOOR	----	342.45	342.45
PROP. F.S.I. AREA ON 4th. FLOOR	----	342.45	342.45
PROP. F.S.I. AREA ON 5th. FLOOR	----	342.45	342.45
PROP. F.S.I. AREA ON 6th. FLOOR	----	314.60	314.60
TOTAL UTILIZED F.S.I. AREA	945.63	1757.46	2703.09
PROP.CHARGEABLE F.S.I. AREA	----	----	900.67

TENAMENT AND FLOOR AREA TABLE

FLOOR	USE		UNIT		FLOOR AREA		
	COMM.	RESI.	COMM.	RESI.	COMM.	RESI.	TOTAL
BASEMENT	----	PARKING	----	----	----	----	----
GROUND	SHOP	PARKING	11	----	467.39	----	467.39
1st. FLOOR	SHOP	RESI.	07	01	478.24	68.67	546.91
2nd. FLOOR	----	RESI.	----	04	----	346.84	346.84
3rd. FLOOR	----	RESI.	----	04	----	342.45	342.45
4th. FLOOR	----	RESI.	----	04	----	342.45	342.45
5th. FLOOR	----	RESI.	----	04	----	342.45	342.45
6th. FLOOR	----	RESI.	----	04	----	314.60	314.60
TOTAL	COMM.	RESI.	18	21	945.63	1757.46	2703.09

B.UP AREA TABLE	COMM.	RESI.	TOTAL
PROP. B.UP AREA ON BASEMENT	----	848.52	848.52
PROP. B.UP AREA ON GROUND FLOOR	467.39	169.88	637.27
PROP. B.UP AREA ON 1st. FLOOR	502.99	126.78	629.77
PROP. B.UP AREA ON 2nd. FLOOR	----	414.32	414.32
PROP. B.UP AREA ON 3rd. FLOOR	----	409.93	409.93
PROP. B.UP AREA ON 4th. FLOOR	----	409.93	409.93
PROP. B.UP AREA ON 5th. FLOOR	----	409.93	409.93
PROP. B.UP AREA ON 6th. FLOOR	----	384.79	384.79
PROP. B.UP AREA ON STAIR CABIN	----	59.99	59.99
PROP. B.UP AREA ON L.M.ROOM + O.H.W.T	----	62.32	62.32
TOTAL PROP. B.UP AREA	970.38	3296.39	4266.77

SANATARY CALCULATION
TOTAL FLOOR AREA OF THE BUILDING COOM. USE = 945.63 SQ.MT
TOTAL PERSON = 945.63/4 = 236.91 SAY 236 PERSON
101-500 PERSON
1 W.C. PER 50 PERSON REQ. PER GENDER & 1 URINAL PER 50 PERSON
REQUIRED 5 W.C. FOR MALE AND FEMALE , REQUIRED 6 URINAL FOR MALE
PROVIDED 14 W.C. IN EACH SHOP
REQ.COMMON TOILET
25 % OF TOTAL REQ.
REQ.- 1.50 SAY 2 W.C. FOR EACH GENDER & 2 URINAL FOR MALE
PROV.- 2 W.C. FOR EACH GENDER & 2 URINAL FOR MALE

GENERAL NOTES
- ALL OUTER WALL THICKNESS AS / N.B.C & I.S CODE.
- 0.10 Ø MT C.I.P WITH VP SHALL BE PROVI FOR W.C & TOILET.
- 0.07 Ø MT C.I.P WITH VP SHALL BE PROVI FOR BATH
- ALL BALCONY & TERRACE PARAPAT WALL AREA 1.15 MT IN HT & 0.11 MT TH R.C.C WALL
- R.W.P. PROVI. EACH BLOCK FROM TERRACE TO GROUND LVL.

R.C.C STAIR DETAIL (COMM.)
WIDTH : 1.50 MT
TREAD : 0.30 MT
RISER : 0.16 MT

R.C.C STAIR DETAIL (RESI.)
WIDTH : 1.50 MT
TREAD : 0.30 MT
RISER : 0.16 MT

COLOR NOTE
PLOT BOUNDARY — PROP WORK — DUST BIN
ROAD — PROP DRAINAGE — P.W
SPRINKLER — PARKING — TREE

TREE PLANTATION :
PLOT AREA = 1502.00 SQ.MT
REQUIRED : 5 NOS TREE / 200.00 SQ.MT = 22.53 SAY 23 NOS REQ
PROVIDED : 23 NOS TREE

PERCOLATION WELL :
PLOT AREA = 1502.00 SQ.MT
REQUIRED : 1 NOS P.W. / 1500.00 TO 4000.00 SQ.MT = 0.38 SAY 1 NOS REQ
PROVIDED : 1 NOS P.W.

C.B. REQUIRED CALCULATION (COMM.)
DUST BIN REQUIRED 20 LTS / 150 SQMTS
REQ : TOTAL FLOOR AREA 942.69 X 20 / 150 = 188.54 SAY 189 LTS
PROVI : 2.36 SAY 3 NOS BIN EACH 80 LT CAPACITY

C.B. REQUIRED CALCULATION (RESIDENCE)
DUST BIN REQUIRED 10 LTS / 1 RESI UNIT
REQ : TOTAL UNIT 21 X 10 = 210 LTS (2.63 SAY 3 DUST BIN)
PROVI : 3 NOS BIN EACH 80 LT CAPACITY

OWNER.
MAHESH M. PRABHAKAR (B.E. Civil)

ST-ENGINEER.
JIGAR G. SHAH
STRUCTURAL DESIGNER (GRADE-1)

C.O.W.

FOR, VIRAAT DEVELOPERS
(PARTNER)

DEVELOPER.

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CONSULTING CIVIL ENGINEER
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ENGINEER.

AUTHORITY.