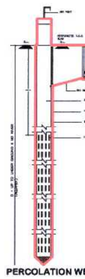
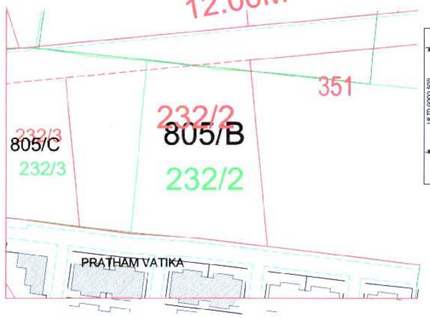
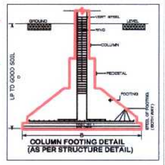


PERCOLATION WELL



KEY PLAN
SCALE: 1CM:20MT



COLUMN FOOTING DETAIL
(AS PER STRUCTURE DETAIL)

NOTES:-

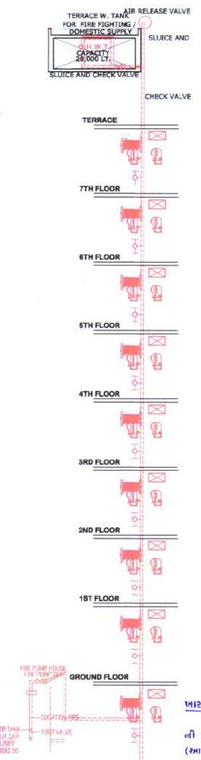
- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MAINHOLE IS VERYFIED BY ME ON SITE AND PREMISES CAN GET DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 4.5.3 OF THE GDCR 2021, THE STRUCTURE OF THE BUILDING ISDESIGN AS PER THE NORMS OF THE INDIAN STANDARDS.
- DESIGN OF STAIRCASE AND RAILING IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23.1.12 AND 23.14 AND 24.6 OF GDCR 2021
- PEDESTTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23.1.5 OF GDCR 2021
- LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23.12 AND 24.7 OF GDCR 2021
- WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23.6 OF GDCR 2021
- SEPARATE LETTER BOX IS PROVIDED AT GROUND LEVEL FOR EACH UNIT.
- WATER TANK FOR FIRE SAFETY REQUIREMENT PROVIDED AS PER CHEPTER NO. 24 OFGDCR 2021
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 23.11
- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 23.10
- 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 PAVING OF BUILDING UNIT/FINL PLOT AS PER THE PROVISION OF THE CLAUSE NO. 23.1.4 OFGDCR 2021
- THE STRUCTUE OF THE BUILDING IS AS PER THE NORMS OF THE SPECIFIED IN THE INDIAN STANDARD AND TAKENACESSARY ACTION FOR THE STRUCTRAL 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 PALNTATION IS PROVIDED AS PER THE CLAUSE NO. 27.5 OF GDCR 2021
- MAINTANANCE AND UPGRADATION OF BUILDING IS AS PER CHAPETER NO. 29 OF GDCR 2021
- EXTERNAL FACED AREA PROVIDED 50% AS PER GDCR 2021
- GREY WATER RECYCLING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 27.4 OF GDCR 2021
- SOLAR WATER HEATING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 27.6 OF THE GDCR 2021
- POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO. 28 OF GDCR 2021
- FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPETER NO. 24 OF GDCR 2021

LAYOUT PLAN
SCALE: 1CM:2.00MT

ખાસ શરત :- બી.યુ. પરમીશન મેળવતા પહેલા રહેઠાણ/વ્યાપારિક/ઔદ્યોગિક/સોસાયટી હેતુનું બિન ખેતી રજુ કરવાનું રહેશે.

સરકારશ્રીના તા. ૧૫/૬/૨૦૬૭ ના નોટીફિકેશન મુજબ બિ.યુ. પરમીશન મળ્યાના પહેલાં ફરજી "INSURANCE" મેળવી લે રજુ કરવાના રહે છે.

ખાસ શરત :- બી.યુ. પરમીશન મેળવતા પહેલા ફાયર ઓફીસર-AMC ના ના.ઝ.ઝ/૧૧૧૧ ના સર્ટીફીકેટ મુજબ મકાનમાં પૂરતી સગવડતાવાળા અગ્નિશમન યંત્રો તથા ફાયર સેવાના ધોરણો મુજબ ફાયર પ્રોટેક્શન ઉપકરણો ની ઉપલબ્ધતા અંગે ફરજીયાત પ્રમાણપત્ર મેળવ્યા બાદ આગળની તજવીજનું બાંધકામ કરવાનું રહેશે.



(1) HYDRANT SYSTEM :
ON/OFF SWITCHES LOCATED NEAR THE HOSE REEL HOSE OR HYDRANT OUTLET, AT EACH FLOOR FOR THE MAIN FIRE-PUMP AT
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 MITERS 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 VALVE AND A NRV TO ACT A DOWN-COMER.
ONE RISER IS REQUIRED FOR EVERY 1000 SQ. 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 63 MM. DIA . HOSE . 25 MM. BORE HOSE- REEL HOSE WITH 8 MM. SHUT- OFF NOZZLE AT EACH FLOOR LANDING. THE LENGTH OF THE HOSE SHOULD BE ENOUGH TO REACH THE FARTHEST CORNER ON THE FLOOR. HOSE-BOX WITH 15 METERS LONG 63 MM. 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 PERMISES WHERE A FIRE SERVICE VEHICLE CAN APPROCH EASILY.
A PERMANENT HYDRANT POINT COMPRISING OF 63 MM DIA SIZE 2 NOS 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 JNDERGROUND 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 TO AUTOMATICALLY IN CASE OF ELECTRICITY FAILURE . EACH BUILDING SHOULD HAVE AT LEAST ONE LIFT AS A FIRE -LIFT AND IF THE BUILDING IS DIVIDED NTO A MORE PARTS THEN EACH PART 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 IF 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 (CO_2) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK. AND ONE EXTINGUISHER OF 5 KG. DRY CHEMICAL POWDER (DCP) TYPE EXTINGUISHER WITH ISI MARK TO INSTALLED ON EACH FLOOR IN CASE OF COMMERCIAL. BUILDING .
ONE CARBON DIOXIDE (CO_2) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK. OR TWO CARBON DIOXIDE (CO_2) TYPE EXTINGUISHER OF 2 KG. CAPACITY ON EACH FLOOR AND 5 KG. DRY CHEMICAL POWDER (DCP) WITH ISI MARK TYPE 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 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 BUILDING 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 IN TO MAKE IT EASILY APPROACHABLE IN CASE OF FIRE FROM THE FLOOR BELOW OR ABOVE.

(6) BASEMENT :
THE BASEMENT OF 200 SQ. METERS OR MORE SHOULD BE PROTECTED WITH AUTOMATIC SPRINKLER SYSTEM WITH AT LEAST ONE SPRINKLE HEAD FOR ACTUAL CAR PARKING SPACE .
ADDITIONALLY BE PROTECTED BY A HYDRANT OUTLET AND TWO 25 MM.BORE HOSE- REEL HOSES WITH 8MM . BORE NOZZLES AT EACH BASEMENT LEVEL.

(7) LIGHTENING ARRESTER :
A LIG-HTENING ARRESTER SHOULD ALSO BE INSTALLED AND BE PROPERLY EARTHED TO PREVENT DAMAGE TO THE BUILDING WHEN THE LIGHTENING STRIKES.

(8) 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) SIGNAGES SHOULD BE DISPLAYED AT EACH FLOOR / LANDING / PATHWY / DEAD-END AND ALONG ALL EXIT ROUTES LANDING TO THE GROUND LEVEL. THE SIGNAGE SHOULD INDICATE FIRE FIGHTING, FIRE SAFETY, FIRE-SAFETY, FIRST-AID AND OTHER SAFETY EQUIPEMENT PRESENT ON THE RESPRCTIVE FLOOR / LANDING / PATHWAY / DEAD - END AND ALONG ALL EXIT ROUTES LEAD NG 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 FIRE LIFT SHOULD BE MADE AVAILABLE FROM THE MAIN ELECTRICAL SUPPLY. (I.E. FROM ELECTRICAL POWER SUPPLY OF THE COMPANY) THIS IS TO ENSURE AVALABILITY OF POWER SUPPLY TO THE FIRE PROTECTION & SAFETY SYSTEM EVEN AFTER THE MAIN ELECTRICAL SUPPLY TO THE BUILDING IS SWITCHED OFF THE TIME OF FIRE.

(10) IMPORTANT INSTRUCTIONS :
AFTER INSPECTION OF A LOW-RISE BUILDING BY THE FIRE SERVICES AUTHORITY , IF THE FIRE OFFICER CONCERNED FEELS THE NEED FOR ADDITIONAL FIRE PREVENTION / PROTECTION / VENTILATION SYSTEM REQUIRED OR EQUIPEMENT (I.E. PASSIVE SYSTEM / SPRINKLER / DRENCHER ETC.) AS PER FIRE LOAD / FIRE RISK / PUBLIC GETHERING. POTENTIAL / OCCUPANCY / CONFINED AREA, THOSE ADDITIONAL MEASURES / EQUIPEMENT HAVE TO BE IMPLEMENTED / INSTALLED.

(11) LENGED

1. FIRE HYDRANT SYSTEM PIPE MAIN
2. SINGEL HEADED HYDRANT VALVE
3. SLUICE VALVE
4. TWOWAY SIAMES CONNECTION
5. RISE OR DROP
6. NON RETURN VALVE
7. REDUCER
8. FIRE HOUSE BOX
9. HOSE REEL HOSE
10. D.C.P. &CO.2 4.5 KG 5 KG
11. HYDRAUNT VALVE

ખાસ શરત :- નામ સુપ્રિમ કોર્ટ SLP (CIVIL) નં ૧૯૦૪૪૫૧/૨૦૧૪ માં જે આખરી [illegible] આવે તે બંધનકર્તા રહેશે. તે બાબતે [illegible] આપેલ બાંહેધરી પત્રકને આધીન આ [illegible] પરવાનગી આપવામાં આવે છે.

ખાસ શરત :
નકશામાં સુચવવામાં આવેલ કામની પ્લોટનો કબ્જો જ્યા સુધી સદર જમીનની માલિકી સોસાયટી એસોસીએશનની ન થાય ત્યાં સુધી કોમન પ્લોટનો કબજો / માલિકી સત્તામંડળનો રહેશે.

ખાસ શરત :
મંજુર થયેલ નકશાઓની નકલનો ૧ સેટ સ્થળ પર પ્રસિદ્ધ કરવાનો રહેશે

ખાસ શરત :
બાંધકામ પૂર્ણ થયા બાદ બાંધકામ નો ઉપયોગ શરૂ કરતાં પહેલા નિયમાનુસાર અગ્નિશમ મકાનના રહેવાસી પ્રમાણપત્ર મેળવવાનાં કરવાનાં રહેશે

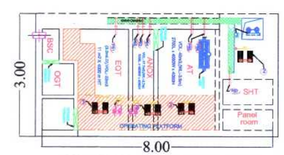
ખાસ શરત :
ડ્રેનેજ લે-આઉટ તેમજ સેપ્ટીક ટેક તથા સાઈટ ની સાઈજ તથા સંખ્યા નેશનલ બિલ્ડીંગ કોડ (આઈ.એસ.-૪૧૫૭) તથા સિવિલ એન્જીનીયરીંગ બેન્ડ બુક બાય-ખન્ના મુજબ રાખવામાં આવેલ છે તે અનુસાર અરજદાર જમીન માલિકે સ્થળપર બાંધકામ કરવાનું રહેશે.

ખાસ શરત
તા..... ના રોજ માલિક ઓર્ગેનાઈઝ આર્કીટેક્ટ તથા સ્ટ્રકચરલ એન્જીનીયરે આપેલ બાંહેધરી પત્રમાં દર્શાવેલ તમામ શરતોનું ચુસ્તપણે પાલન કરવાનું રહેશે.

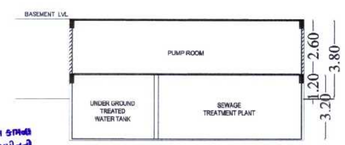
BUILT UP AREA TABLE				
FLOOR	TYPE - A (BLOCK - A+B+C)	TYPE - B (BLOCK - D)	TYPE - C (BLOCK - E)	TOTAL
BASEMENT	------	------	------	2942.72
GR.FL.	1003.24	354.02	351.13	1708.39
1ST.FL.	1003.24	354.02	351.13	1708.39
2ND.FL.	912.58	354.02	351.13	1617.71
3RD.FL.	912.58	354.02	351.13	1617.71
4TH.FL.	912.58	354.02	351.13	1617.71
5TH.FL.	912.58	354.02	351.13	1617.71
6TH.FL.	912.58	354.02	351.13	1617.71
7TH.FL.	912.58	354.02	351.13	1617.71
STAIR CABIN	119.03	41.97	39.23	200.23
O.H.W.T. & L.M.R.	71.57	30.63	30.63	132.83
TOTAL	7672.44	2904.76	2878.90	16398.82

F.S.I. AREA TABLE				
FLOOR	TYPE - A (BLOCK - A+B+C)	TYPE - B (BLOCK - D)	TYPE - C (BLOCK - E)	TOTAL
GR.FL.	404.21	-------	-------	404.21
1ST.FL.	788.75	316.53	316.38	1421.66
2ND.FL.	721.84	316.53	316.38	1354.75
3RD.FL.	721.84	316.53	316.38	1354.75
4TH.FL.	721.84	316.53	316.38	1354.75
5TH.FL.	721.84	316.53	316.38	1354.75
6TH.FL.	721.84	316.53	316.38	1354.75
7TH.FL.	721.84	316.53	316.38	1354.75
TOTAL	5524.00	2215.71	2214.66	9954.37

USE & UNIT TABLE				
FLOOR	TYPE - A (BLOCK - A+B+C)	TYPE - B (BLOCK - D)	TYPE - C (BLOCK - E)	TOTAL
GR.FL.	16 SHOP	PARK.	PARK.	16 SHOP
1ST.FL.	05 RESI./16 SHOP	04 RESI.	04 RESI.	13 RESI./16 SHOP
2ND.FL.	12 RESI.	04 RESI.	04 RESI.	20 RESI.
3RD.FL.	12 RESI.	04 RESI.	04 RESI.	20 RESI.
4TH.FL.	12 RESI.	04 RESI.	04 RESI.	20 RESI.
5TH.FL.	12 RESI.	04 RESI.	04 RESI.	20 RESI.
6TH.FL.	12 RESI.	04 RESI.	04 RESI.	20 RESI.
7TH.FL.	12 RESI.	04 RESI.	04 RESI.	20 RESI.
TOTAL	77 RESI./32 SHOP 109	28 RESI.+PARKI. = 28 RESI.	28 RESI.+PARKI. = 28 RESI.	32SH.+PARKI.+ 133 RESI. = 165



SEWAGE TREATMENT PLAN PLAN



SECTION DRAWING FOR 45 KLD STP

DRAINAGE ACOMODATION			
AS PER IS0:14000 SEWAGE TREATMENT PLAN			
DETAILS OF SEWAGE TREATMENT PLANT			
NOS OF UNITS	NOS OF USERS	REQUIRED STP CAPACITY	PROVIDED STP CAPACITY
RESI. =133 UNIT + COMM.=32 UNIT	5 X 165 = 825	825 X 140 Ltr/D =115500Lltr/D	825 X 175 Ltr/D =144375 Ltr/D
TOTAL=165 UNIT	TOTAL=825 USERS	TOTAL= 115500 Ltr/D= 88 M3/D	TOTAL= 144375 Ltr/D=145 M3/D

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

The permission is valid only in the DP/TPS remains unaltered and further that the permission shall stand revoked as soon as there is change in DP/TPS with reference to the land under reference.

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

PLAN SHOWING RESI. AFFORDABLE HOUSING BLDG.ON DRAFT T.P.S NO : 3 [GHUMA] ,SUR. NO:- 805/B,O.P. NO.232/2, F.P. NO.:- 232/2 AT VILLAGE:- GHUMA ,TAL:- SANAND, DIST:-AHMEDABAD

ZONE AS PER D.P. : RESI. AFFORDABLE HOUSING [RAH]

USE: RESI.+COMM. અભિષેક [illegible] વિકાસ સત્તામંડળ

SCALE:1CM = 2.00 MTR. [illegible]

AREA TABLE	SQ.MTS.
PLOT AREA	3946.00
B.UP AREA ON GROUND FLOOR	1703.13
REQ. COMMON PLOT 10% (3946.00 X 10%)	394.60
PROVI. COMMON PLOT	399.17

AREA TABLE	B.UP
PLOT AREA	3946.00
PERMI.F.S.I.AREA (3946.00 X 1.8)	7102.80
CHARGEABLE @ 90% (3946.00 X 0.90)	3551.40
TOTAL PERMI. + CHARGEABLE	10654.20
TOTAL UTILIZED F.S.I.	9954.37
TOTAL UTILIZED CHARGEABLE F.S.I. (9954.37 - 7102.80)	2851.57
BALANCE CHARGEABLE F.S.I. (10654.20 - 9954.37)	699.83

B.UP AREA TABLE	USE	UNIT	B.UP
BASEMENT	PARK.	------	2942.72
GR. FL.	SHOP/PARK.	16	1708.39
1ST FL.	SHOP/RESI.	13/16=29	1708.39
2ND FL.	RESI.	20	1617.71
3RD FL.	RESI.	20	1617.71
4TH FL.	RESI.	20	1617.71
5TH FL.	RESI.	20	1617.71
6TH FL.	RESI.	20	1617.71
7TH FL.	RESI.	20	1617.71
STAIR CABIN	------	------	200.23
O.H.W.T. & L.M.R.	------	------	132.83
TOTAL	------	32+133=165	16398.82

GR. FL.	404.21
1ST FL.	1421.66
2ND FL.	1354.75
3RD FL.	1354.75
4TH FL.	1354.75
5TH FL.	1354.75
6TH FL.	1354.75
7TH FL.	1354.75
TOTAL	9954.37

COMMON PLOT AREA CALC.
(13.75+13.97)/2 X (30.05+27.55)/2 = 399.17

PERCOLATION WELL
PLOT AREA = 3946.00 / 4000.00 SQ MTS = 0.99 NOS. SAY 1 P.W. REQ.
PROVIDED : 1 NOS P.WEL

RESIDENCIAL
TOTAL NO. OF UNIT 133 MAXI.CAPACITY OF CONTAINER 80 LTRS
TOTAL UNITS. = 133 X 10 LTR = 1330 LTR / 80 = 17 REQ.
PROVIDE C.B - 18 NOS.

TREE PLANTATION CALC.
PLOT AREA = 3946.00 SQ MTS
REQUIRED : 200 SQ.MTS. / 3 NOS TREE, = 3946.00/200 X 3 = REQ. 60 NOS.
PROVIDED : 60 NOS

COMMUNITY DUST BIN : FOR COMM PER 100.00 SQ MTS FL. AREA 20.90 LIT. REQ.
404.21+490.51 = 894.72 SQ MTS X 20 : 100.00 SQ MTS 178.94LIT CAPCITY REQ
EACH DUST BIN 80.00 LIT.CAP. 178.94 / 80 NOS DUST BIN REQ 2.24 SAY3NOS.
PROVI 3 NOS

COLOUR NOTE :-
PLOT BOUNDARY
PROP. DRAIN.
PROP. WORK
TREE
ROAD
PAYMENT F.S.I.
PROVIDED FIRE PROOF DOOR (FD) AS PER GDR CLAUSE NO- 24.6

AMIT C. VORA
372, Vishusha Bunglows,
Ghuma, Ahmedabad - 380058
AUDA Reg. No AUDA/DEV/00943
DEVELOPER

BHOOMI DHAN DEVELOPERS
PARTNER
OWNER

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

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

CHOKSI JIGAR D. (B.E.Civil)
AUDA / SD - I / 00317
E - 4 , KALGI APARTMENT,
MANINAGAR , AHMEDABAD - 380008
ST.ENG.

APPROVED
As amanded by Red (Colour) Subject to the condition as mentioned in this office Letter PRM No. 1211/2018
Dated 9 APR 2018
Note Approved by C.E.A

DISPATCH BY No 9 9.

Assistant Town Planner
Ahmedabad Urban Development Authority
AUTHORITY

Senior Town Planner
Ahmedabad Urban Development Authority
Ahmedabad.