1	PLOT AREA	730.00
2	PERMISSIBLE F.S.I.	1314.00
3	PERMISSIBLE CHARGEBLE F.S.I.	657.00
4	MAX.PERMISSIBLE F.S.I.(2+3)	1971.00
5	TOTAL UTILISED F.S.I.	1860.47
6	UTILISED CHARGEBLE F.S.I.(5-2)	546.47
7	MAX.PERMISSIBLE F.S.I. COMMERCIAL	186.05

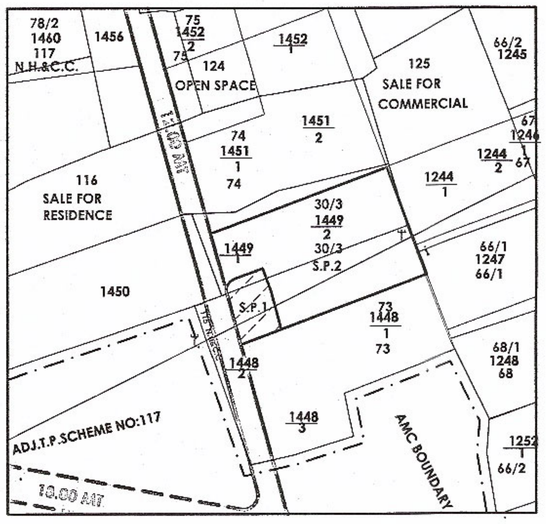
SCRUTINIZE COPY
NO. 10008 Dt. 10/11/17
TDO, BPSP, AMC

BLOCK	CONSUME F.S.I.			prop. Charg f.s.i. comm	prop. Charg. f.s.i. Resi.	No. of com. unit	RESIDENTIAL Dwelling unit Up 50 sq.mt			
	COMM / OTHERS	RESI	TOTAL				No.of unit	F.S.I. AREA	% USED F.S.I.	Charg. F.S.I.
A	174.19	1686.28	1860.47	51.16	495.31	8	43	1686.28	90.64	495.31

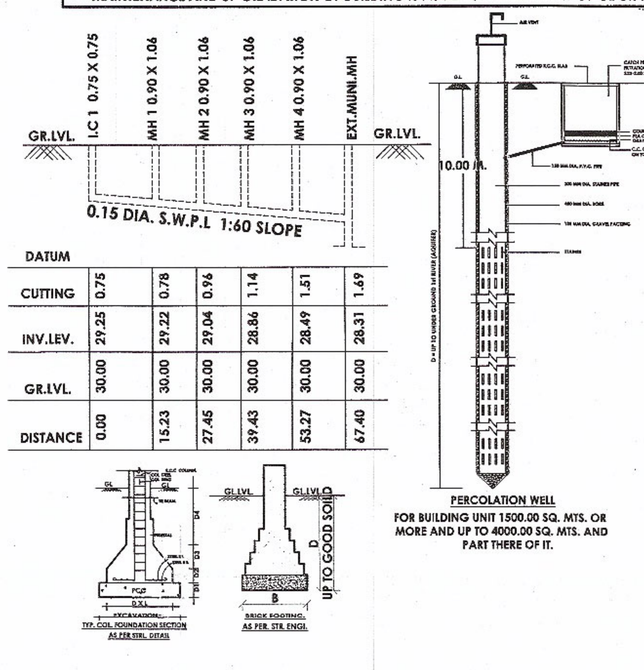
GRAND TOTAL DETAIL					
Sr. No	Dwelling Unite Type	NO.OF unit	USED F.S.I.	% USED F.S.I.	Chargeble F.S.I.
A	COMMERCIAL UNIT	08	174.19	9.36	51.16
B	Up 50 sq.mt	43	1686.28	90.64	495.31
C	more then 50 and up to 66	0	0	0.00	0.00
D	more then 66 and up to 80	0	0	0.00	0.00
E	with.Aff.F.S.I. (40% slab)	0	0	0.00	0.00
	GRAND Total	51	1860.47	100.00	546.47

NOTES:-

- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MAN HOLE IS VERIFIED BY ME ON SITE AND PREMISES CAN GET DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO GDCR-2021 ALL REQUIREMENTS OF THE BUILDING ARE CHECKED AND NECESSARY ACTIONS ARE TAKEN.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 4.5.3 OF THE GDCR-2021. 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. 23.1.12 AND 23.14 AND 24.6 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 CHAPTER NO. 24 OF GDCR-2021.
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 23.11 OF THE GDCR-2021.
- DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER THE CLAUSE NO. 23.6.2 OF THE GDCR-2021.
- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 23.10 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 STANDARD AND TAKE NECESSARY ACTION FOR THE STRUCTURAL SAFETY DURING THE CONSTRUCTION.
- 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.
- FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER NO. 24 OF GDCR-2021.
- MAINTENANCE AND UP GRADATION OF BUILDING IS AS PER CHAPTER NO. 29 OF GDCR-2021.



KEY PLAN.
SCALE : 1.00 CM = 20.00 MT



LEGEND	DESCRIPTION
	FIRE HYDRANT SYSTEM PIPR MAIN
SH	SINGLE HANDED HYDRANT VALVE
	SLUICE VALVE
	TWO WAY SAME CONNECTION
OR	RISE OR DROP
	NON RETURN VALVE
	REDUCER
	FIRE HOSE BOX
9	HOSE REEL HOUSE
	DO.P & CO-2

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

(1) HYDRANT SYSTEM :
ON/OFF switches located near the hose reel hose or hydrant outlet, at each floor for the main Fire - Pump at the underground water tank with a capacity to discharge the 900 liters per minute at 3 barpressure as measured at the terrace levehould be installed.
The Riser For The Buildings EXceeding18 meters height should not be of less than 100mm. 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 - comer.
On riser In 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 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 nozzleach floor landing.
The length of the hose reel hose should be enough to reach the farthest comer 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 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 a capacity 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 lifts as a fire - lift and if the building is divided in to two or more parts then each part should have a fire - lift, 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. lift - well should have blowers

(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.and one eXtinguisher of 5kg. Dry Chemical Powder (DCP) to be installed on each floor in case of commercial building.
Two Carbon DioXide (CO2) type eXtinguisher of 2 kg.capacity on each floor and 5kg. Dry Chemical Powder (DCP) type eXtinguisher on alternate floors 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 center core of the building it has ulo be pressurized to prevent it getting smoke logged.
The Riser / Down - comer should be located in the staircase or close to in to make it easily approachable n case of fire from the - floor below or above.

PERCOLATING WELL

PLOT AREA = 730.00 SQ.MT
REQUIRED P.W. = 730.00 /4000.00 = 0.18 SAY 1 NOS P.W.
REQ : 1 NOS. P.W. (UP TO GROUND FIRST RIVER)

TREE PLANTATION :

PLOT AREA = 730.00 SQ.MT
REQUIRED : 3 NOS TREE / 200.00 SQ.MT = 10.95 SAY 11 NOS
PROVIDED : 11 NOS TREE

RESIDENCE - C.B. REQUIRED CALCULATION

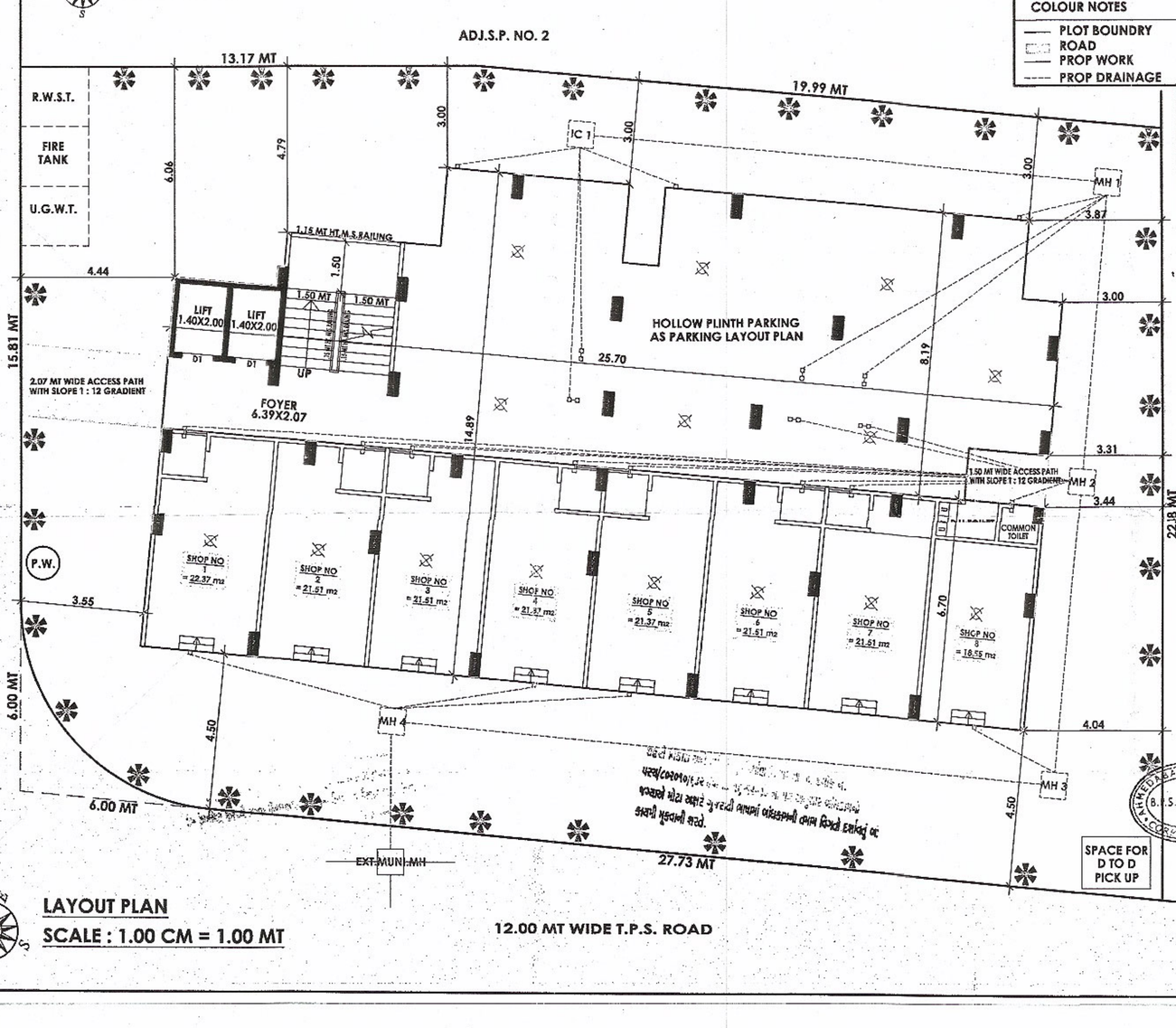
DUST BIN REQUIRED 10 LTS / 1 RESI UNIT
REQ : TOTAL UNIT 43 X 10 = 430.00 LTS (5.38 SAY 6 BIN)
PROVI : 6 NOS BIN EACH 80 LIT CAPACITY

COMMERCIAL - C.B. REQUIRED CALCULATION

TOTAL FLOOR AREA = 174.15 SQ.MT
REQ : 174.19 X 20 / 100 = 34.84 LTS SAY 35 LTS
PROVI : 0.35 SAY 1 NOS BIN EACH 80 LIT CAPACITY

COLOUR NOTES

PLOT BOUNDRY · ROAD · PROP WORK · PROP DRAINAGE · TREE PLANTATION · DUST BIN · PARKING · SPRINKLER · P.W.



LAYOUT PLAN
SCALE : 1.00 CM = 1.00 MT

SANITARY CALCULATION

TOTAL FLOOR AREA OF THE BUILDING = 174.19 SQ.MT
TOTAL PERSON = 174.19 / 4 = 43.55 SAY 44 PERSON
CONSIDER 22 MALE OF 22 FEMALE USER

NO. OF USER	MIN.URINAL REQUIRED	MIN.W/C REQUIRED	MIN.W/C REQUIRED
		MALE	FEMALE
22 MALE 22 FEMALE	2	2	2

TOTAL REQUIRED SANITARY PROVISION
URINAL = 2
MALE W/C = 2
FEMALE W/C = 2
P.H.TOILET = 1
COMMON = 1

TOTAL PROVIDED SANITARY PROVISION
GROUND FLOOR
EACH SHOP = 7 TOILET COMMON TOILET = 1
P.H.TOILET = 1
URINAL = 3

REQ.COMMON TOILET
25 % OF TOTAL REQ.
REQ.- 2 W.C. FOR EACH GENDER & 1 URINAL FOR MALE
PROV.- 2 W.C. FOR EACH GENDER & 1URINAL FOR MALE

RESPONSIBILTY (G.D.C.R.-2021 C.L. NO. 4.3.4.4 & 4.5) :-
APPROVAL OF DRAWINGS AND ACCEPTANCE OF ANY STATEMENT, DOCUMENTS, STRUCTURAL REPORT, STRUCTURAL DRAWINGS, PROGRESS CERTIFICATE OR BUILDING COMPLETION CERTIFICATES SHALL NOT DISCHARGE THE OWNER, ENGINEER, ARCHITECT, CLERK OF WORKS/SITE SUPERVISOR, STRUCTURAL DESIGNER, DEVELOPER, OWNER FROM THEIR RESPONSIBILITIES, IMPOSED UNDER THE ACT, THE DEVELOPMENT CONTROL REGULATIONS AND THE LAWS OF TORT AND LOCAL ACTS.
LIABILITY (G.D.C.R.-2021 C.L. NO. 3.3.1) :-
NOTWITHSTANDING ANY DEVELOPMENT PERMISSION GRANTED UNDER THE ACT AND THESE REGULATIONS, ANY PERSON UNDERTAKING ANY DEVELOPMENT WORK SHALL CONTINUE TO BE WHOLLY AND SOLELY LIABLE FOR ANY INJURY OR DAMAGE OR LOSS WHATSOEVER THAT MAY BE CAUSED TO ANY PERSON OR AROUND THE AREA DURING SUCH CONSTRUCTION AND NO LIABILITY WHATSOEVER IN THIS REGARD SHALL BE CAST ON THE AUTHORITY.

LAYOUT PLAN SHEET NO : 1/4

RESI.AFFORDABLE HOUSING PROJECT

LAYOUT PLAN SHOWING PROP.RESIDENCE + COMMERCIAL BUILDING ON S.P.NO : 1 F.P. NO.30/3 OF DRAFT T.P.S. NO. 84 (VATVA-4),OF R.S.NO. 1449/1,1449/2,1450 AT VILLAGE : VATVA,TALUKA : VATVA,DIST-AHMEDABAD.

SCALE : 1.00 CM = 1.00 MT

ZONE :- RESIDENCE-I (R1)

USE OF THE CONSTRUCTION :- RESIDENCE+COMM. {AFFORDABLE HOUSING PROJECT}

AREA TABLE	IN SQ.MT
PLOT AREA OF S.P. NO : 1 OF F.P. 30/3	730.00

F.S.I. AREA TABLE	BLOCK:A		TOTAL IN SQ.MT
	COMM.	RESI.	
PLOT AREA OF S.P. NO : 1 OF F.P. 30/3	----	----	730.00
PERMI. F.S.I. AREA @ 1 : 1.8	----	----	1314.00
PERMI. CHARGABLE F.S.I. AREA AS PER @ 0.9	----	----	657.00
MAX.PERMI.F.S.I.AREA (1.8+0.9)	----	----	1971.00
PROP.F.S.I. AREA ON GROUND FLOOR	174.19	----	174.19
PROP.F.S.I. AREA ON 1st FLOOR	----	274.35	274.35
PROP.F.S.I. AREA ON 2nd FLOOR	----	274.35	274.35
PROP.F.S.I. AREA ON 3rd FLOOR	----	274.35	274.35
PROP.F.S.I. AREA ON 4th FLOOR	----	274.35	274.35
PROP.F.S.I. AREA ON 5th FLOOR	----	274.35	274.35
PROP.F.S.I. AREA ON 6th FLOOR	----	274.35	274.35
PROP.F.S.I. AREA ON 7th FLOOR	----	40.18	40.18
TOTAL UTILIZED F.S.I. AREA	174.19	1686.28	1860.47
PROP.CHARGEBLE F.S.I. AREA	----	----	546.47

BUILT UP AREA TABLE	BLOCK:A		TOTAL IN SQ.MT
	COMM.	RESI.	
PROP.BUILT UP AREA ON GROUND FLOOR	174.19	177.98	352.17
PROP.BUILT UP AREA ON 1st FLOOR	----	341.94	341.94
PROP.BUILT UP AREA ON 2nd FLOOR	----	341.94	341.94
PROP.BUILT UP AREA ON 3rd FLOOR	----	341.94	341.94
PROP.BUILT UP AREA ON 4th FLOOR	----	341.94	341.94
PROP.BUILT UP AREA ON 5th FLOOR	----	341.94	341.94
PROP.BUILT UP AREA ON 6th FLOOR	----	341.94	341.94
PROP.BUILT UP AREA ON 7th FLOOR	----	85.26	85.26
PROP.BUILT UP AREA ON STAIR CABIN	----	37.91	37.91
PROP.BUILT UP AREA ON L.M.ROOM	----	26.06	26.06
TOTAL BUILT UP AREA	174.19	2378.85	2553.04

TENEMENT AREA TABLE	UNIT		USE		FLOOR AREA		
	COMM.	RESI.	COMM.	RESI.	COMM.	RESI.	TOTAL
GROUND FL.	08	----	SHOPS	PARK.	174.19	----	174.19
1st FLOOR	----	07	----	RESI.	----	274.35	274.35
2nd FLOOR	----	07	----	RESI.	----	274.35	274.35
3rd FLOOR	----	07	----	RESI.	----	274.35	274.35
4th FLOOR	----	07	----	RESI.	----	274.35	274.35
5th FLOOR	----	07	----	RESI.	----	274.35	274.35
6th FLOOR	----	07	----	RESI.	----	274.35	274.35
7th FLOOR	----	01	----	RESI.	----	40.18	40.18
TOTAL	08	43	COMM.	RESI.	174.19	1686.28	1860.47

KUSHAL INFRASTRUCTURE PVT. LTD
Plot No. 73, B/h. Patel Rise Mill,
Deriya Para Road, Vatva,
Ahmedabad-382440.
PIC No. DEV 988260922

DEVELOPER

AMIT B. DAVE(D.E.CIVIL)
CONSULTING CIVIL ENGINEERS
22,LAXMI COLONY,ANKUR MILL ROAD,
KANKRIYA,AHMEDABAD-380022
PH NO:-079-25380258
EMAIL:-davearnitb@gmail.com
AMC LIC CW:-056060519

C.O.W.

KRUNAL K. MISTRY (B.E. CIVIL)
CONSULTING CIVIL ENGINEER
117 DEVPATH, B/H LAL BUNGLOW
C.G.ROAD , NAVARANGPURA
STR. LIC. NO. :- SD0385171022R1

ST-ENGINEER.

For, KUSHAL INFRASTRUCTURE PVT. LTD.
DIRECTOR

OWNER.

KRUNAL K. MISTRY (B.E. CIVIL)
CONSULTING CIVIL ENGINEER
117 DEVPATH, B/H LAL BUNGLOW
C.G.ROAD , NAVARANGPURA
ENG. LIC. NO. :- ER059801032 1R2

ENGINEER.

Ahmedabad Municipal Corporation
Case No. : BLNT/SZ/290917/GDR/A9182/R0/M1
Zone: SOUTH
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number : 9740/290917/A9182/R0/M1
Date : 21/11/2017

AUTHORITY

Sub Inspector (T.D.O.) (Civic Center) | Asst. T.D.O./Asst. E.O. (Civic Center) | Nilesh Baranda Dy T.D.O. SOUTH | Dr. Harshit P. Gosavi Dy MC SOUTH