1. HYYDRANT SYSTEM:

ON/OFF switches located near the hose reel hose or hydrant outlet, at each floor the main FirePump 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 of less than 100 mm. internal diameter. The riser should be connected to the bottom of the terrace tank with a stop value and a NRV to act as a Down - comer.
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 8 mm. SS. Shut-off nozzle at each floor landing. The length of the hose reel hose should be enough to reach the farthest corner of 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 inlet should be installed at a point near the entry to the premisses 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 provided 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.
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 bellow or above.

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 lightening 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) signage's 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 suppy 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 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.INDIVDUAL FIRE SEFTY SYSTEM

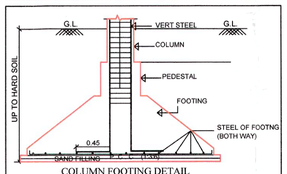
FIRE SEFTY SYSTEM SHOULD BE PROVIDED IN IDIVDUAL SHOW ROOM BY OWNER

IMPORTANT INSTRUCTIONS:

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

FIRE HYDRANT LEGEND

SR.	SYMBOL	DISCRIPTION
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



COLUMN FOOTING DETAIL
(AS PER STR. DESIGNER)
SCALE :- NOT TO SCLAE

PROP. B. AREA CALC. OF CLUB HOUSE :-
7.53 X 6.56 = 49.40 SQ. MT.

PROP. B. AREA CALC. OF GEB SUB STN DG SET :-
2.11 X 6.40 = 13.50 SQ. MT.
2.11 X 2.00 = 04.22 SQ. MT.
= 17.72 SQ. MT.

MOSQUITO - PROOF WATER TANK :-

THE WATER STORAGE TANK SHALL BE MAINTAINTED THAT PERFECTLY MOSQUITO - PROOF CONDITION BY PROVIDING A PROPERLY FITTING HINGED COVER AND EVERY TANK MORE THAN 1.50 MTS. IN HEIGHTSHALL BE PROVIDING WITH A PERMANENTLY FIXED IRON LADDER TO ENABLE INSPECTION BY ANTI - MALARIA STAFF.

BUILT UP AREA TABLE

	BLOCK (SQ. MTS.) A+B	C+D+E	TOTAL
B.UP. AREA ON CLUB HOUSE & GEB SUB ST & DG SET	~~49.40+17.72~~ = 67.12	---	49.40+17.72 = 67.12
BUILT-UP AREA ON BASEMENT	3610.26	---	3610.26
BUILT-UP AREA ON GROUND (H.P.)	446.83	1018.24	1465.07
BUILT-UP AREA ON GROUND (S.P.)	411.50	---	411.50
B. BUILT-UP AREA ON FIRST FLOOR	841.32	1018.24	1859.56
BUILT-UP AREA ON SECOND FLOOR	801.19	1018.24	1819.43
BUILT-UP AREA ON THIRD FLOOR	801.19	1018.24	1819.43
BUILT-UP AREA ON FOURTH FLOOR	801.19	1018.24	1819.43
BUILT-UP AREA ON FIFTH FLOOR	824.99	1063.45	1888.44
BUILT-UP AREA ON SIXTH FLOOR	801.19	1018.24	1819.43
BUILT-UP AREA ON SEVENTH FLOOR	801.19	1018.24	1819.43
BUILT-UP AREA ON EIGHTH FLOOR	824.99	1063.45	1888.44
BUILT-UP AREA ON NINTH FLOOR	646.10	1018.10	1664.20
BUILT-UP AREA ON TENTH FLOOR	----	954.41	954.41
BUILT-UP AREA ON STAIR CABIN	109.20	186.39	295.59
BUILT-UP AREA ON O.H.W.T	87.70	128.48	216.18
BUILT-UP AREA TOTAL	~~11825.96~~	**11541.96**	**23417.92**

F.S.I. AREA TABLE

	BLOCK (SQ. MTS.) A+B COMM.	A+B RESI	C+D+E	TOTAL COMM.	TOTAL RESI
F.S.I. AREA ON BASEMENT	-----	-----	-----		-----
F.S.I. AREA ON GROUND FL. (S.P.)	387.32	-----	----	387.32	-----
F.S.I. AREA ON FIRST FLOOR	371.57	314.46	713.33	371.57	1027.79
F.S.I. AREA ON SECOND FLOOR	-----	634.98	713.33	-----	1348.31
F.S.I. AREA ON THIRD FLOOR	-----	634.98	713.33	-----	1348.31
F.S.I. AREA ON FOURTH FLOOR	-----	634.98	713.33	-----	1348.31
F.S.I. AREA ON FIFTH FLOOR	-----	634.23	713.33	-----	1347.56
F.S.I. AREA ON SIXTH FLOOR	-----	634.98	713.33	-----	1348.31
F.S.I. AREA ON SEVENTH FLOOR	-----	634.98	713.33	-----	1348.31
F.S.I. AREA ON EIGHTH FLOOR	-----	634.23	713.33	-----	1347.56
F.S.I. AREA ON NINTH FLOOR	-----	479.89	713.19	-----	1193.08
F.S.I. AREA ON TENTH FLOOR	-----	-----	655.10	-----	655.10
TOTAL F.S.I. AREA	**758.89**	**5237.71**	**7074.93**	**758.89**	**12312.64**
	5996.60		**7074.93**		**13071.53**

TENAMENT & FLOOR AREA TABLE

FLOOR	USE A+B	USE C+D+E	TENAMENT A+B COMM.	TENAMENT A+B RESI	TENAMENT C+D+E	TOTAL COMM.	TOTAL RESI.	FLOOR AREA (SQ. MTS) A+B COMM.	A+B RESI	C+D+E	TOTAL
BASEMENT	PARKING	---	--	--	--	--	---	-----	-----	-----	-----
H.P.	PARKING	PARKING	--	--	--	--	---	-----	-----	-----	
GROUND	COMM.	RESI.	11	--	00	11	---	387.32	-----	-----	387.32
FIRST	COMM.+RESI.	RESI.	10	04	11	10	15	371.57	314.46	713.33	371.57 +1027.79
SECOND	RESI.	RESI.	--	08	11	--	19		634.98	713.33	1348.31
THIRD	RESI.	RESI.	--	08	11	--	19		634.98	713.33	1348.31
FOURTH	RESI.	RESI.	--	08	11	--	19		634.98	713.33	1348.31
FIFTH	RESI.	RESI.	--	08	11	--	19		634.23	713.33	1347.56
SIXTH	RESI.	RESI.	--	08	11	--	19		634.98	713.33	1348.31
SEVENTH	RESI.	RESI.	--	08	11	--	19		634.98	713.33	1348.31
EIGHTH	RESI.	RESI.	--	08	11	--	19		634.23	713.33	1347.56
NINTH	RESI.	RESI.	--	06	11	--	17		479.89	713.19	1193.08
TENTH	----	RESI.	--	--	10	--	10		-----	655.10	655.10
TOTAL	**COMM.+RESI.**	**RESI.**	**21**	**66**	**109**	**21**	**175**	758.89 + 5237.71	**5996.60**	**7074.93**	758.89+12312.64 **13071.53**

REQ. PERCOLATING WELL

PLOT AREA :- 1500 TO 4000 SQ. MTS.
1 PERCOLATING WELL
PLOT AREA = 4856.00 SQ. MTS.
4856.00 / 4000.00 = 1.21 SQ. MTS.
PROVI. 2 PERCO. WELL.

TREE PLANTATION

PLOT AREA :- = 4856.00 SQ. MTS.
200 SQ. MTS. / 5 TREE
(4856.00X5)/200 = 121.40 TREE
SAY122 TREES
PROVI. 122 TREES

COMMUNITY BIN (RESI.)
RESI. UNITS :- 175 UNITS
1 UNITS / 10 LTS.
175 UNITS / 1750 LTS.
1750 / 80 = 21.87 SAY 22 NOS. CONT.
PROVI. 1760 LTS. (80 X 22) COMM. BIN
TOTAL PROVI. 1760 LTS. (80 X 22)

SANITATION FACILITY

FLOOR AREA (TOTAL) :- 758.89 SQ. MTS.
4 SQ. MTS. = 1 PERSON
758.89 SQ. MTS. = 189.72 PERSON SAY 190 PERSON
MALE - 95 & FEMALE - 95

SANITORY REQ.
URINAL REQD.
= 1 URINAL FOR EVERY 50 PERSONS
= 190/50 = 3.80 REQ. SAY 4 FOR MALE USERS
W.C. REQD.
= 1 W.C. FOR EVERY 50 PERSONS EACH GENDER
= 190/50 = 3.80 REQ. SAY 4 FOR EACH GENDER

	REQ. W/C	REQ. U	PROVIDED MALE					
MALES	4	4		W/C	U		W/C	U
FEMALES	4	-	G.F.	13	12	F.F.	10	10

MIMIMUM 25% OF SUCH WATER CLOSETS AND URINALS SHALL BE PROVIDED COMMON AND ACCESSIBLE LOCATION OF THE BUILDING.
REQUIRED W.C. 1 & URINAL - 1.
PROVIDED 1W.C. & 1 URI. & 1 P.H.P. TOI. PER GENDER.

RESI. AFFORDABLE HOUSING PROJECT SHEET NO. :- 1/7
LAY-OUT PLAN FOR BLOCK - A+B

PLAN SHOWING PROP. AFFORDABLE HOUSING FOR RESI.+COMM. BLDG. ON F.P. NO. 210 , T.P.S. NO. 69 (CHANDKHEDA-ZUNDAL - TRAGAD) SUR. NO. 276/1,276/2 MOJE : TRAGAD , TA :- GHATLODIA , DIST - A' BAD.

SCALE :- 1.00 CM. = 1.00 MT.
ZONE:- RESIDENCE(R1) USE:- RESI. (RESI. AFF.HOUSING)

AREA TABLE	SQ.MTS.
PLOT AREA OF F.P. NO :-	4856.00
COMMON PLOT REQD. @ 10% OF PLOT	485.60
COMMON PLOT PROVIDED	490.01

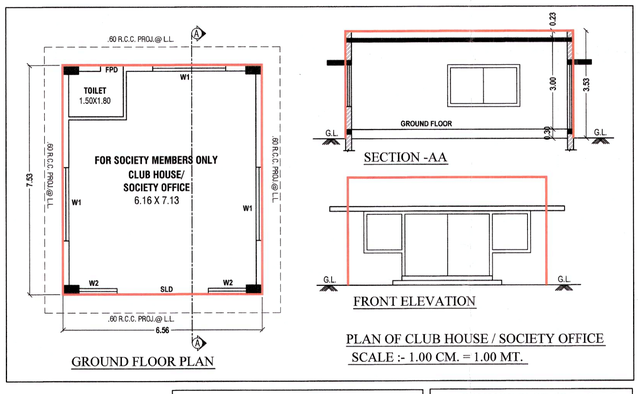
F.S.I. AREA TABLE	SQ.MTS.
PLOT AREA OF F.P. NO :-	4856.00
PERMI. F.S.I. AREA 1.1.8 (4856.00 X 1.8).....	8740.80
PERMI. CHARGABLE F.S.I. AREA 0.90% (4856.00 X 0.90)	4370.40
TOTAL PERMI. F.S.I. AREA + CHARGEBLE F.S.I. AREA	13111.20
TOTAL PROPOSED F.S.I. AREA	13071.53
TOTAL BALANCE F.S.I. AREA	39.67
TOTAL USED CHARG. F.S.I. AREA (13071.53 - 8740.80)	4330.73

	AREA TABLE	SQ.MT.
1.	PLOT AREA	4856.00
2.	PERMISSIBLE F.S.I.(1.8)	8740.80
3.	PERMISSIBLE CHARGABLE F.S.I.	4370.40
4.	MAX. PERMISSIBLE F.S.I. [2+3]	13111.20
5.	TOTAL UTILISED F.S.I.	13071.53
6.	UTILISED CHARGABLE F.S.I. [5-2]	4330.73
7.	MAX PERMISSIBLE F.S.I. COMMERCIAL	1307.15

BLOCK	CONSUME F.S.I. COMM.	RESI.	TOTAL	NO. OF COM. UNIT	RESI. DWELLING UNIT UP TO 50 SMT. NO.OF UNIT	F.S.I. AREA	% USED F.S.I.	RESI. DWELLING UNIT MORE THAN 50 SMT. AND UP TO 66 SMT. NO.OF UNIT	F.S.I. AREA	% USED F.S.I.	RESI. DWELLING UNIT MORE THAN 66 SMT. AND UPTO 80 SMT. NO.OF UNIT	F.S.I. AREA	% USED F.S.I.	OTHER F.S.I. USED F.S.I.	% USED F.S.I.	COMM. F.S.I. USED F.S.I.	% USED F.S.I.
A+B	758.89	5237.71	5996.60	21	0	0.00	0.00	0	0	0	66	5237.71	100.00	0.00	0.00	758.89	5.81
C+D+E	0	7074.93	7074.93	0	0	0.00	0.00	108	7006.82	99.04	1	68.11	0.96	0.00	0.00	0.00	0.00
TOTAL	**758.89**	**12312.64**	**13071.53**	**21**	**0**	**0.00**	**0.00**	**108**	**7006.82**	**53.60**	**67**	**5305.82**	**40.59**	**0.00**	**0.00**	**758.89**	**5.81**

GRAND TOTAL DETAIL

SR. NO.	DWELLING UNIT TYPE	NO.OF UNIT	USED F.S.I.	% USED F.S.I.	CHARGABLE F.S.I.
A	COMMERCIAL UNIT	21	758.89	5.81	251.43
B	UP TO 50 SQ.MT.	00	00	00	0.00
C	MORE THAN 50 AND UP TO 66	108	7006.82	53.60	2321.43
D	MORE THAN 66 UP TO 80	67	5305.82	40.59	1757.87
E	WITH AFF.F.S.I. (40% SLAB)	00	00	00	00
	GRAND TOTAL	**196**	**13071.53**	**100.00**	**4330.73**



GROUND FLOOR PLAN

PLAN OF CLUB HOUSE / SOCIETY OFFICE
SCALE :- 1.00 CM. = 1.00 MT.

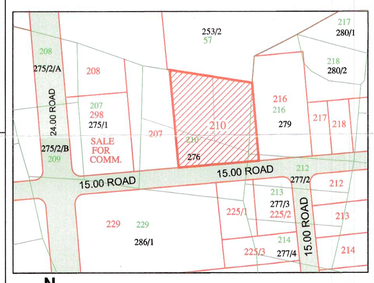
COMMUNITY BIN (COMMERCIAL.)

(COMMERCIAL) - DUST BIN REQUIRD 20 LTS/100SQ.MTS.
TOTAL FLOOR AREA = 758.89 SQ.MT
100 SQ. MTS FL. AREA / 20 LTS.
758.89 SQ.MTS / 151.78 LTS. = 152 SAY
152 LTS. / 80 LTS. = 1.90 SAY 2 COMM. BIN
TOTAL PROVI. 80.00 LTS. (80 X 2)

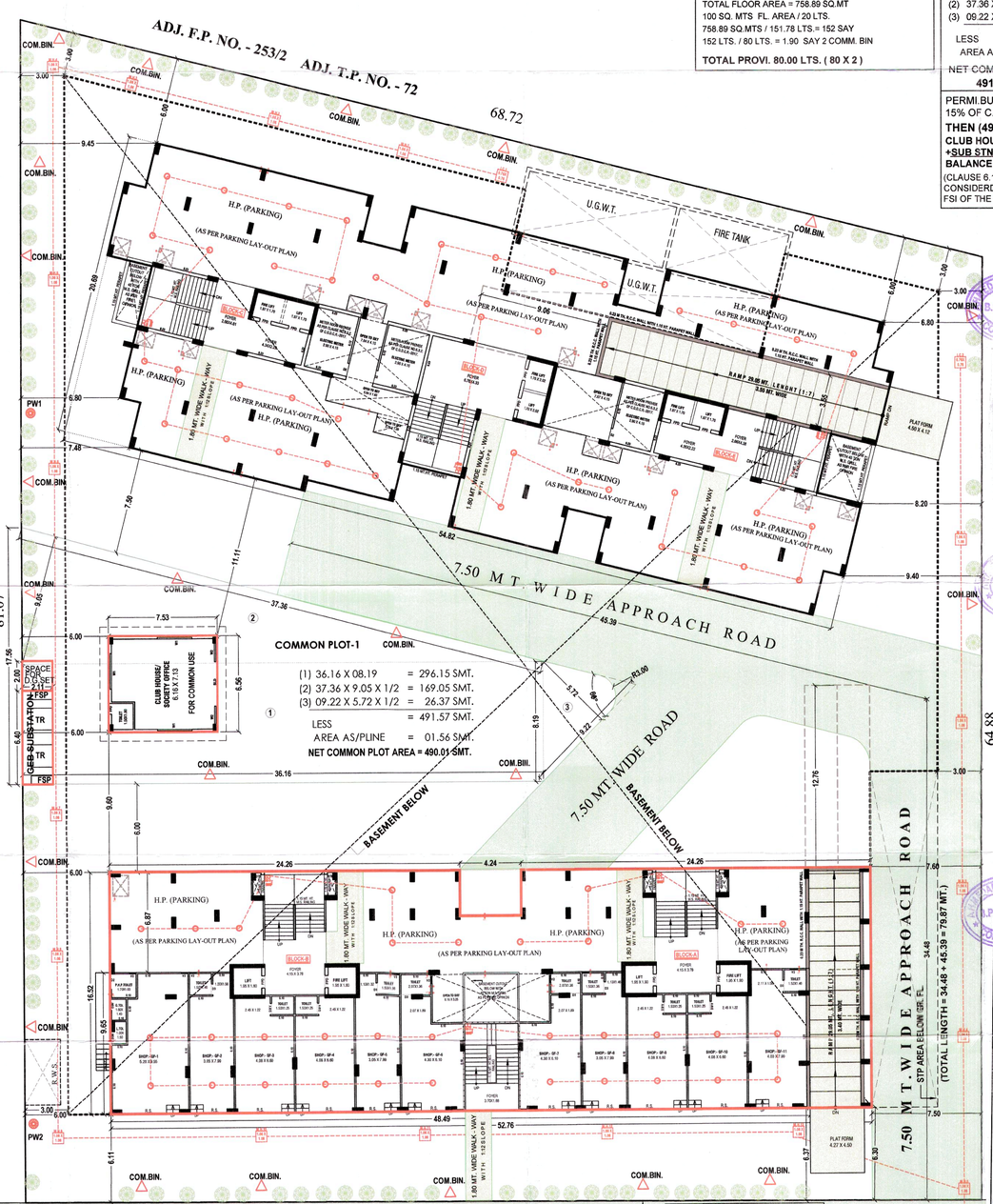
COMMON PLOT AREA CALC :-

(1) 36.16 X 8.19 = 296.15 SMT.
(2) 37.36 X 9.05 X 1/2 = 169.05 SMT.
(3) 09.22 X 5.72 X 1/2 = 26.37 SMT.
= 491.57 SMT.
LESS
AREA AS/PLINE = 01.56 SMT.
NET COMMON PLOT AREA
491.57 - 1.56 = 490.01 SQ. MT.

PERMI.BUILT UP AREA @ 15% OF C.P. AREA
THEN (490.01 X 0.15) = 73.50 SQ.MT.
CLUB HOUSE+DG SET - 67.12 SQ.MT.
+SUB.STN
BALANCE = 06.38 SQ.MT.
(CLAUSE 6.17.5.5 (a&c) B.UP. AREA NOT BE CONSIDERD TOWARDS COMPETATION OF FSI OF THE BUILDING UNIT)



N
KEY PLAN
SCALE :-1.00 CM. =25.0 MT.



N
LAY OUT PLAN
SCALE :- 1.00 CM. = 2.00 MT.

PROP. I.C.-2 79X75	PROP. M.H.1 1500X75	PROP. M.H.2 1500X75	PROP. M.H.3 1500X75	PROP. M.H.4 1500X75	PROP. M.H.5 1500X75	TO MUNI. M.H.
CUTTING	0.75		0.92		1.22	1.37	1.53	1.67
INVERT LVL	29.25	29.06	29.01	1.09	28.78	28.63	28.47	28.33
GROUND LVL	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
DISTANCE	0.00	9.99	20.40	30.00	38.05	37.40	46.75	55.15

LONGITUDINAL DRAINAGE SECTION
SCALE:- 1C.M. = 1MT. (VERTICAL)
1C.M. = 5MT. (HORRIZONTAL)

FRONT MARGIN (ROAD SIDE) HAS BEEN PERMITTED AS 6.00 MT. FROM PLT BOUNDRY, PROVIDED FRONT MARGIN SPACE ABUTTING ON ROAD WILL BE KEPT OPEN PERMANENTLY & COMPOUND WALL WILL NOT CONSTRUCTED ON ROAD SIDE BOUNDRY AS PER NOTIFICATION NO. GHV/95 OF 2018/PRC-102018-5068-L DTD :- 21/07/2019 REGARDING FIRE REGULATION - 2016

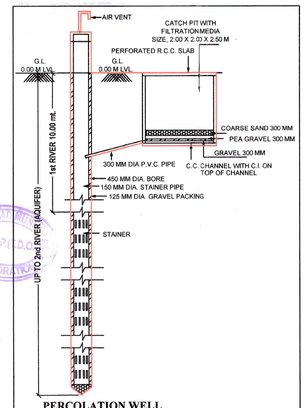
NOTES :

- IT IS CERTIFIED THAT PLOT UNDER REFERENCE IS SURVEYED BY ME AND THE DIMENTIONS OF ALL SIDES OF PLOT AND PLOT AREA AS SHOWN IN PLAN AREA MEASURED BY ENGINEER ON RECORD AND IN ACCORDANCE WITH OWNERSHIP/REVENUE RECORD.
- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MAINHOLE IS VERYFIED ME ON SITE AND PERMISES CAN GET DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO C.G.D.C.R.- 2017 ALL REQUIREMENT OF THE BUILDING ARE CHECKED AND NECESSARY ACTION ARE TAKEN.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 4.4.3 OF THE C.G.D.C.R.- 2017. THE STRUCTURE OF THE BUILDING IS DESIGN AS PER THE NORMS OF THE INDIAN STANDERDS.
- DESIGN OF STAIRCASE AND RAILING IS PROVIDED AS PER PROVISION OF THE CLAUSE NO. 13.1.11 AND 13.1.13 OF C.G.D.C.R.- 2017.
- PEDESTTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.1.14 OF C.G.D.C.R.- 2017.
- LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.12 AND OF C.G.D.C.R. -2017.
- WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.6 OF C.G.D.C.R.-2017.
- LETTER BOX FOR SHALL BE PROVIDED AT GROUND LEVEL FOR EACH UNIT.
- WATER TANK FOR FIRE SAFETY REQUIRMENT PROVIDED AS PER FIRE PREVENTION AND FIRE SAFETY ACT-2016.
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO.13.11 OF C.G.D.C.R.-2017.
- DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER THE CLAUSE NO 13.6.2 OF C.G.D.C.R.-2017.
- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 13.10 OF C.G.D.C.R.- 2017.
- SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDED AS PER THE PROVISION THE CLAUSE NO. 13.7 OF THE C.G.D.C.R.- 2017
- ENTERANCE OF THE BUILDING IS PROVIDED AS PER CLAUSE NO 13.1.6 OF C.G.D.C.R.- 2017.
- THE PAVING OF BUILDING UNIT/FINAL PLOT AS PER THE PROVISION OF THE CLAUSE NO. 13.1.3 OF C.G.D.C.R.- 2017.
- THE STRUCTURE DESIGN OF BUILDING IS AS PER NORMS OF SPECIFIED IN THE INDIAN STANDRD AND NECESSARY ACTION SHALL BE TAKEN FOR THE STRUCTURAL SAFETY DURING CONSTRUCTION.
- RAIN WATER STORAGE TANK AND RAIN WATER HARVESTING SYSTEM SHALL BE PROVEDED AS PER THE CLAUSE NO. 17.2 OF C.G.D.C.R.- 2017.
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO.17.2.4 & 17.2.5 OF C.G.D.C.R.- 2017.
- GREY WATER RECYCLING SYSTEM & DUAL PLUMBING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 17.3 OF C.G.D.C.R. - 2017.
- TREE PLANTATION IS PROVIDED AS PER CLAUSE NO.17.4 OF C.G.D.C.R.- 2017.
- SOLAR ASSISTED WATER HEATING SYSTEM SHALL BE PROVIDED AS PER THE CLAUSE NO.17.5 OF C.G.D.C.R.- 2017.
- POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO - 18 OF C.G.D.C.R.- 2017.
- FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER NO. 14 OF C.G.D.C.R.- 2017.
- FIRE SAFTY PROVISION SHALL BE MADE AS PER FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION-2016 AND FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION - 2013.
- MAINTANCE AND UPGRADATION OF BUILDING IS AS PER CHEPTER NO. 19 OF C.G.D.C.R.- 2017.
- MARGINAL SPACE & BASEMENT SLAB SHALL HAVE LOAD BEARING CAPACITY OF 40/60 TONNES PER SQURE METER SHALL BE PROVIDED AS PER CHAPTER NO. 14 OF C.G.D.C.R.- 2017. AND FIRE PREVENTION AND FIRE SAFETY ACT - 2016.
- ROOF TOP SOLAR ENERGY INSTALLATION & GENERATION SHALL BE PROVIDED AS PER CLAUSE NO.17.5.1 OF C.G.D.C.R.- 2017.
- THE GLAZED SURFACE AREA OF THE EXTERNAL FACADE SHALL BE NON REFLECTIVE AND PROVIDED UP TO MAX OF 50% OF THE TOTAL SURFACE AREA OF EACH FACADE WITH THE PROVISION OF SAFETY RAILLING UP TO SILL LEVEL AS PER CLAUSE NO.13.13. OF C.G.D.C.R.- 2017.

LIFT CALCULATION

BLOCK	NO. OF UNIT ABOVE 3RD. FL.	NO. OF LIFT REQ. (6 PERSON)	NO. OF LIFT PROVIDED (6 PERSON)
A	27	1	2
B	27	1	2
C	32	2	2
D	23	1	2
E	32	2	2

NOTE: FROM PROVI. LIFT IN EACH BLOCK ONE OF THEM SHALL BE DESIGNED AS FIRE LIFT



PERCOLATION WELL

FOR BUILDING UNIT 1500.00 S. M OR MORE AND UP TO 4000.00 S. M. & PART THERE OF IT.
NOTE :- STRUCTURE DESIGN AS PER STRUCTURAL ENGINEER.
(THIS IS ONLY SKETCH PLAN)

COLOUR NOTE

C.S. BOUNDARY		TREE	
PROP. WORK		PERCO. WELL	
PROP. DR-LINE		COMMUNITY BIN	
ROAD			

Bhaumik N. Thakar 4, Hilton Residency, Opp. Shell Petrol Pump, Prahladnagar Garden, Satellite, Ahmedabad-380 015. Developer Lic. No. DEV12161212 28	**Sandip K. Dave** 48, Tapovan Society, Near Manekbaug Hall, Ambawadi, Ahmedabad-380006. AMC - CW - 0723180221 ER - 1087180221 SOW - 001SR160725100
DEVELOPER	S.O.R.
FOR, SHIVA DEVELOPERS PARTNERS	**Sandip K. Dave** 48, Tapovan Society, Near Manekbaug Hall, Ambawadi, Ahmedabad-380006 AMC - CW - 0723180221 ER - 1087180221 SOW - 001SR160725100
OWNER	C.O.W.
Sandip K. Dave 48, Tapovan Society, Near Manekbaug Hall, Ambawadi, Ahmedabad-380006. AMC - CW - 0723180221 ER - 1087180221 SOW - 001SR160725100	**SNENAL V. MEHTA** STRUCTURAL DESIGNER GRADE-I, AMC LIC NO. SD-1* 0114300/21/R3 702, 7th Floor, ELITE BUSINESS PARK OPP. SHAPATH HEXA BUILDING, SOLA OVER BRIDGE, S.G.HIGHWAY, AHMEDABAD - 380060
ENGINEER	STR.ENGINEER

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

The permission is valid only Till the BPMPS remains unaltered and further permission shall be seen as those is accordance to BPMPS with reference to the land under reference.

(1)THIS DEVELOPMENT PERMISSION IS GRANTED WITH CONDITION THAT APPLICANT AND OWNER WILL OBEY AS PER ALL BONDS AND AFFIDAVITS PRODUCED BY APPLICANT AND ENGOINGER.
(2)THIS APPROVAL IS GIVEN ACCORDING TO MUNICIPAL COMMISIONER OFFICE ORDER DATED 02/03/05 AND OFFICE ORDER NO.-2007 - 13/3/06.
(3)THIS DEVELOPMENT PERMISSION IS GRANTED UNDER C.G.D.C.R.-2017 AS PER LETTER NO: GHV/259 OF 2017/EDB-102016-3629-L, DATED:- 12/10/2017 AND LETTER NO: GHV/201 OF 2018/EDB-102016-3629-L DATED:- 31/03/2018 AND LETTER NO. EDB-102016-3629-L DATED:- 31/03/2018. AND LETTER NO: GHV/245 OF 2018/EDB-102016-3629-L DATED:-23/04/2018 AND LETTER NO: GHV/152/EDB-102016-3629-L DATED:-5/11/2018 AND LETTER NO: GHV/207/EDB-102016-3629-L. DATED:-20/12/2017, AND GHV/143 OF 2018/EDB-102016-3629-L DATED:- 5/10/18 OF URBAN DEVELOPMENT AND URBAN HOUSING DEPARTMENT, GOVT. OF GUJARAT.
(4)RAIN WATER STORAGE TANK SHALL BE PROVIDE AS PER CGDCR-2017 CLAUSE NO. 17.2
(5)OWNER-APPLICANT-DEVELOPER SHALL HAVE TO PROVIDE BARRICADE OF STEEL-SHEETS/TIN-SHEETS OF SUFFICIENT HEIGHT (NOT LESS THAN 2.0MT.) AROUND BUILDING CONSTRUCTION/DEMOLITION ACTIVITY AT ALL EDGES OF PLOT PRIOR TO COMMENCEMENT OF WORK.
(6)THIS CASE HAS BEEN SCRUTINIZED AND APPROVED BY BUILDING PLAN SCRUTINY POOL ON DT.- 08/09/2020
(7)THIS DEVELOPMENT PERMISSION IS GIVEN ONLY FOR USE RESIDENTIAL AFFORDABLE HOUSING IN RESIDENTIAL ZONE.-(AS SHOWN IN PLAN) FOR RESIDENTIAL AND COMMERCIAL BUILDING IS GRANTED AS PER THE ORDER/APPROVAL GIVEN BY AMC VIDE LETTER NO. CTP-1 DT.28/08/2020 IN RESPECT OF BUILDING HEIGHT LIMIT UP TO 30.00 MT. ALL TERMS AND CONDITION MENTION IN ORDER WILL BE APPLICABLE AND BINDING TO OWNER/APPLICANT.
(8)APPLICANT/OWNER/ ARCHITECT/ENGINEER/STRUCTURE ENGINEER/CLERK OF WORKS (SITE SUPERVISOR) ARE SOLE RESPONSIBLE FOR ANY CASUALTY OR DAMAGE TO THE ADJOINING PROPERTIES DURING EXCAVATION/CONSTRUCTION OF THE CELLAR, AND INSTEAD OF ENTIRE EXCAVATION THE EXCAVATION/CONSTRUCTION OF THE CELLAR WILL HAVE TO DO BY PHASE WISE EXCAVATION/CONSTRUCTION. CONSTRUCTION OF THE CELLAR SHORING / RETENTION WALL IS THE LIABILITY OF THE ADJOINING PROPERTIES DURING EXCAVATION/CONSTRUCTION. THE NECESSARY ARRANGEMENTS WILL HAVE TO BE MADE BY THE STRUCTURAL ENGINEER/ENGINEER/CLERK OF WORK (SITE SUPERVISOR) FOR CONTINUOUS SUPERVISION AND IF REQUIRED URGENT ADDITIONAL ARRANGEMENT WILL HAVE TO BE MADE FOR THE SAFETY. ALL ACTS AS PER THE APPROVED DRAWING AND

SHEET NO. :- 1/4

RESI. AFFORDABLE HOUSING PROJECT

LAY-OUT PLAN FOR BLOCK - C+D+E

PLAN SHOWING PROP. AFFORDABLE HOUSING FOR RESI.+COMM. BLDG. ON F.P. NO. 210 , T.P.S. NO. 69 (CHANDKHEDA-ZUNDAL - TRAGAD) SUR. NO. 276/1,276/2 MOJE : TRAGAD , TA :- GHATLODIA , DIST - A' BAD.

SCALE :- 1.00 CM. = 1.00 MT.

ZONE:- RESIDENCE(R1) USE:- RESI. (RESI. AFF.HOUSING)

1. HYYDRANT SYSTEM:

ON/OFF switches located near the hose reel hose or hydrant outlet, at each floor the main FirePump 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 of less than 100 mm. internal diameter. The riser should be connected to the bottom of the terrace tank with a stop value and a NRV to act as a Down - comer.
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 8 mm. SS. Shut-off nozzle at each floor landing. The length of the hose reel hose should be enough to reach the farthest corner of 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 inlet should be installed at a point near the entry to the premisses 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.
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 bellow or above.

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 lightening 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) signage's 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 suppy 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 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.INDIVDUAL FIRE SEFTY SYSTEM

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

IMPORTANT INSTRUCTIONS:

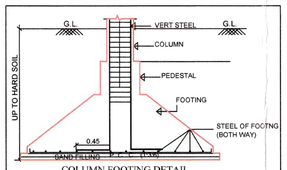
After inspection of a low-rise building by the fire service authority,if the fire officer concerned feels th need for additional fire prevention/protection measures / ventilation system required or equipment (i.e. - Passive system / Suppression system / Fire door - Window / Detection system / Active system / Sprinkler / Drencher etc.) as per Fire load / Firerick / Public gathering. Potential / Occupancy / Confined area, those additional measures / equipment have to be implemented / installed.

NOTES :

- IT IS CERTIFIED THAT PLOT UNDER REFERENCE IS SURVEYED BY ME AND THE DIMENTIONS OF ALL SIDES OF PLOT AND PLOT AREA AS SHOWN IN PLAN AREA MEASURED BY ENGINEER ON RECORD AND IN ACCORDANCE WITH OWNERSHIP/REVENUE RECORD.
- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MAINHOLE IS VERYFIED ME ON SITE AND PERMISES CAN GET DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO C.G.D.C.R.- 2017 ALL REQUIREMENT OF THE BUILDING ARE CHECKED AND NECESSARY ACTION ARE TAKEN.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 4.4.3 OF THE C.G.D.C.R.- 2017. THE STRUCTURE OF THE BUILDING IS DESIGN AS PER THE NORMS OF THE INDIAN STANDERDS.
- DESIGN OF STAIRCASE AND RAILING IS PROVIDED AS PER PROVISION OF THE CLAUSE NO. 13.1.11 AND 13.1.13 OF C.G.D.C.R.- 2017.
- PEDESTTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.1.14 OF C.G.D.C.R.- 2017.
- LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.12 AND OF C.G.D.C.R. -2017.
- WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.6 OF C.G.D.C.R.-2017.
- LETTER BOX FOR SHALL BE PROVIDED AT GROUND LEVEL FOR EACH UNIT.
- WATER TANK FOR FIRE SAFETY REQUIRMENT PROVIDED AS PER FIRE PREVENTION AND FIRE SAFETY ACT-2016.
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO.13.11 OF C.G.D.C.R.-2017.
- DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER THE CLAUSE NO 13.6.2 OF C.G.D.C.R.-2017.
- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 13.10 OF C.G.D.C.R.- 2017.
- SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDED AS PER THE PROVISION THE CLAUSE NO. 13.7 OF THE C.G.D.C.R.- 2017
- ENTERANCE OF THE BUILDING IS PROVIDED AS PER CLAUSE NO 13.1.6 OF C.G.D.C.R.- 2017.
- THE PAVING OF BUILDING UNIT/FINAL PLOT AS PER THE PROVISION OF THE CLAUSE NO. 13.1.3 OF C.G.D.C.R.- 2017.
- THE STRUCTURE DESIGN OF BUILDING IS AS PER NORMS OF SPECIFIED IN THE INDIAN STANDERD AND NECESSARY ACTION SHALL BE TAKEN FOR THE STRUCTURAL SAFETY DURING CONSTRUCTION.
- RAIN WATER STORAGE TANK AND RAIN WATER HARVESTING SYSTEM SHALL BE PROVEDED AS PER THE CLAUSE NO. 17.2 OF C.G.D.C.R.- 2017.
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO.17.2.4 & 17.2.5 OF C.G.D.C.R.- 2017.
- GREY WATER RECYCLING SYSTEM & DUAL PLUMBING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 17.3 OF C.G.D.C.R. - 2017.
- TREE PLANTATION IS PROVIDED AS PER CLAUSE NO.17.4 OF C.G.D.C.R.- 2017.
- SOLAR ASSISTED WATER HEATING SYSTEM SHALL BE PROVIDED AS PER THE CLAUSE NO.17.5 OF C.G.D.C.R.- 2017.
- POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO - 18 OF C.G.D.C.R.- 2017.
- FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER NO. 14 OF C.G.D.C.R.- 2017.
- FIRE SAFTY PROVISION SHALL BE MADE AS PER FIRE PREVENTION AND LIFE SAFTY MEASURES REGULATION-2016 AND FIRE PREVENTION AND LIFE SAFTY MEASURES REGULATION - 2013.
- MAINTANCE AND UPGRADATION OF BUILDING IS AS PER CHEPTER NO. 19 OF C.G.D.C.R.- 2017.
- MARGINAL SPACE & BASEMENT SLAB SHALL HAVE LOAD BEARING CAPACITY OF 40/60 TONNES PER SQURE METER SHALL BE PROVIDED AS PER CHAPTER NO. 14 OF C.G.D.C.R.- 2017. AND FIRE PREVENTION AND FIRE SAFETY ACT - 2016.
- ROOF TOP SOLAR ENERGY INSTALLATION & GENERATION SHALL BE PROVIDED AS PER CLAUSE NO.17.5.1 OF C.G.D.C.R.- 2017.
- THE GLAZED SURFACE AREA OF THE EXTERNAL FACADE SHALL BE NON REFLACTIVE AND PROVIDED UP TO MAX OF 50% OF THE TOTAL SURFACE AREA OF EACH FACADE WITH THE PROVISION OF SAFETY RAILLING UP TO SILL LEVEL AS PER CLAUSE NO.13.13. OF C.G.D.C.R.- 2017.

FIRE HYDRANT LEGEND

SR.	SYMBOL	DISCRIPTION
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



COLUMN FOOTING DETAIL
(AS PER STR. DESIGNER)
SCALE :- NOT TO SCLAE

PROP. B. AREA CALC. OF CLUB HOUSE :-

7.53 X 6.56 = 49.40 SQ. MT.

PROP. B. AREA CALC. OF GEB SUB STN DG SET :-

2.11 X 6.40 = 13.50 SQ. MT.
2.11 X 2.00 = 04.22 SQ. MT.
= 17.72 SQ. MT.

MOSQUITO - PROOF WATER TANK :-

THE WATER STORAGE TANK SHALL BE MAINTAINTED THAT PERFECTLY MOSQUITO - PROOF CONDITION BY PROVIDING A PROPERLY FITTING HINGED COVER AND EVERY TANK MORE THAN 1.50 MTS. IN HEIGHTSHALL BE PROVIDING WITH A PERMANENTLY FIXED IRON LADDER TO ENABLE INSPECTION BY ANTI - MALARIA STAFF.

BUILT UP AREA TABLE

	BLOCK (SQ. MTS.) A+B	C+D+E	TOTAL
B.UP. AREA ON CLUB HOUSE & GEB SUB ST & DG SET	49.40+17.72 = 67.12	---	49.40+17.72 = 67.12
BUILT-UP AREA ON BASEMENT	3610.26	---	3610.26
BUILT-UP AREA ON GROUND (H.P.)	446.83	1018.24	1465.07
BUILT-UP AREA ON GROUND (S.P.)	411.50	---	411.50
B. BUILT-UP AREA ON FIRST FLOOR	841.32	1018.24	1859.56
BUILT-UP AREA ON SECOND FLOOR	801.19	1018.24	1819.43
BUILT-UP AREA ON THIRD FLOOR	801.19	1018.24	1819.43
BUILT-UP AREA ON FOURTH FLOOR	801.19	1018.24	1819.43
BUILT-UP AREA ON FIFTH FLOOR	824.99	1063.45	1888.44
BUILT-UP AREA ON SIXTH FLOOR	801.19	1018.24	1819.43
BUILT-UP AREA ON SEVENTH FLOOR	801.19	1018.24	1819.43
BUILT-UP AREA ON EIGHTH FLOOR	824.99	1063.45	1888.44
BUILT-UP AREA ON NINTH FLOOR	646.10	1018.10	1664.20
BUILT-UP AREA ON TENTH FLOOR	----	954.41	954.41
BUILT-UP AREA ON STAIR CABIN	109.20	186.39	295.59
BUILT-UP AREA ON O.H.W.T	87.70	128.48	216.18
BUILT-UP AREA TOTAL	11875.96	11541.96	23417.92

F.S.I. AREA TABLE

	BLOCK (SQ. MTS.) A+B COMM.	A+B RESI	C+D+E	TOTAL COMM.	TOTAL RESI
F.S.I. AREA ON BASEMENT	-----	-----	-----		-----
F.S.I. AREA ON GROUND FL. (S.P.)	387.32	-----	----	387.32	-----
F.S.I. AREA ON FIRST FLOOR	371.57	314.46	713.33	371.57	1027.79
F.S.I. AREA ON SECOND FLOOR	-----	634.98	713.33	-----	1348.31
F.S.I. AREA ON THIRD FLOOR	-----	634.98	713.33	-----	1348.31
F.S.I. AREA ON FOURTH FLOOR	-----	634.98	713.33	-----	1348.31
F.S.I. AREA ON FIFTH FLOOR	-----	634.23	713.33	-----	1347.56
F.S.I. AREA ON SIXTH FLOOR	-----	634.98	713.33	-----	1348.31
F.S.I. AREA ON SEVENTH FLOOR	-----	634.98	713.33	-----	1348.31
F.S.I. AREA ON EIGHTH FLOOR	-----	634.23	713.33	-----	1347.56
F.S.I. AREA ON NINTH FLOOR	-----	479.89	713.19	-----	1193.08
F.S.I. AREA ON TENTH FLOOR	-----	-----	655.10	-----	655.10
TOTAL F.S.I. AREA	758.89	5237.71	7074.93	758.89	12312.64
		5996.60	7074.93		13071.53

TENAMENT & FLOOR AREA TABLE

FLOOR	USE A+B	USE C+D+E	TENAMENT A+B COMM.	TENAMENT A+B RESI	TENAMENT C+D+E	TOTAL COMM.	TOTAL RESI.	FLOOR AREA (SQ. MTS) A+B COMM.	A+B RESI	C+D+E	TOTAL
BASEMENT	PARKING	---	--	--	--	--	---	-----	-----	-----	-----
H.P.	PARKING	PARKING	--	--	--	--	---	-----	-----	-----	
GROUND	COMM.	RESI.	11	--	00	11	---	387.32	-----	-----	387.32
FIRST	COMM.+RESI.	RESI.	10	04	11	10	15	371.57	314.46	713.33	371.57 +1027.79
SECOND	RESI.	RESI.	--	08	11	--	19		634.98	713.33	1348.31
THIRD	RESI.	RESI.	--	08	11	--	19		634.98	713.33	1348.31
FOURTH	RESI.	RESI.	--	08	11	--	19		634.98	713.33	1348.31
FIFTH	RESI.	RESI.	--	08	11	--	19		634.23	713.33	1347.56
SIXTH	RESI.	RESI.	--	08	11	--	19		634.98	713.33	1348.31
SEVENTH	RESI.	RESI.	--	08	11	--	19		634.98	713.33	1348.31
EIGHTH	RESI.	RESI.	--	08	11	--	19		634.23	713.33	1347.56
NINTH	RESI.	RESI.	--	06	11	--	17		479.89	713.19	1193.08
TENTH	----	RESI.	--	--	10	--	10		-----	655.10	655.10
TOTAL	COMM.+RESI.	RESI.	21	66	109	21	175	758.89 + 5237.71		7074.93	758.89+12312.64
								5996.60			13071.53

REQ. PERCOLATING WELL

PLOT AREA :- 1500 T0 4000 SQ. MTS.
1 PERCOLATING WELL
PLOT AREA = 4856.00 SQ. MTS.
4856.00 / 4000.00 = 1.21 SQ. MTS.
PROVI. 2 PERCO. WELL.

TREE PLANTATION

PLOT AREA :- = 4856.00 SQ. MTS.
200 SQ. MTS. / 5 TREE
(4856.00X5)/200 = 121.40 TREE
SAY 122 TREES
PROVI. 122 TREES

COMMUNITY BIN (RESI.)
RESI. UNITS :- 175 UNITS
1 UNITS / 10 LTS.
175 UNITS / 1750 LTS.
1750 / 80 = 21.87 SAY 22 NOS. CONT.
PROVI. 1760 LTS. (80 X 22) COMM. BIN
TOTAL PROVI. 1760 LTS. (80 X 22)

SANITATION FACILITY

FLOOR AREA (TOTAL) :- 758.89 SQ. MTS.
4 SQ. MTS. = 1 PERSON
758.89 SQ. MTS. = 189.72 PERSON SAY 190 PERSON
MALE - 95 & FEMALE - 95

SANITORY REQ.
URINAL REQD.
= 1 URINAL FOR EVERY 50 PERSONS
= 190/50 = 3.80 REQ. SAY 4 FOR MALE USERS
W.C. REQD.
= 1 W.C. FOR EVERY 50 PERSONS EACH GENDER
= 190/50 = 3.80 REQ. SAY 4 FOR EACH GENDER

	REQ. W/C	REQ. U	PROVIDED MALE W/C	U		W/C	U
MALES	4	4					
FEMALES	4	-	G.F. 13	2	F.F.	10	10

MIMIMUM 25% OF SUCH WATER CLOSETS AND URINALS SHALL BE PROVIDED COMMON AND ACCESSIBLE LOCATION OF THE BUILDING.
REQUIRED W.C. 1 & URINAL - 1.
PROVIDED 1W.C. & 1 URI. & 1 P.H.P.TOI. PER GENDER.

AREA TABLE

	AREA TABLE	SQ.MTS.
1.	PLOT AREA	4856.00
2.	PERMISSIBLE F.S.I (1:8)	8740.80
3.	PERMISSIBLE CHARGABLE F.S.I.	4370.40
4.	MAX. PERMISSIBLE F.S.I. [2+3]	13111.20
5.	TOTAL UTILISED F.S.I.	13071.53
6.	UTILISED CHARGABLE F.S.I. [5-2]	4330.73
7.	MAX PERMISSIBLE F.S.I. COMMERCIAL	1307.15

AREA TABLE

	AREA TABLE	SQ.MTS.
	PLOT AREA OF F.P. NO :-	4856.00
	COMMON PLOT REQD. @ 10% OF PLOT	485.60
	COMMON PLOT PROVIDED	490.01

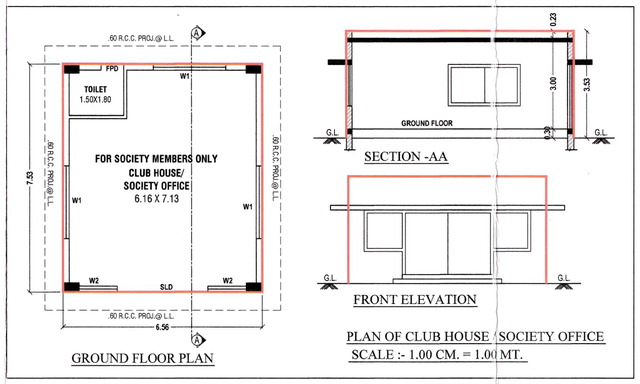
F.S.I. AREA TABLE

	AREA TABLE	SQ.MTS.
	PLOT AREA OF F.P. NO :-	4856.00
	PERMI. F.S.I. AREA 1.1.8 (4856.00 X 1.8).....	8740.80
	PERMI. CHARGABLE F.S.I. AREA 0.90% (4856.00 X 0.90)	4370.40
	TOTAL PERMI. F.S.I. AREA + CHARGEBLE F.S.I. AREA	13111.20
	TOTAL PROPOSED F.S.I. AREA	13071.53
	TOTAL BALANCE F.S.I. AREA	39.67
	TOTAL USED CHARG. F.S.I. AREA (13071.53 - 8740.80)	4330.73

BLOCK	CONSUME F.S.I. COMM.	RESI.	TOTAL	NO. OF COM. UNIT	RESI. DWELLING UNIT UP TO 50 SMT. NO.OF UNIT	F.S.I. AREA	% USED F.S.I.	RESI. DWELLING UNIT MORE THAN 50 SMT. AND UP TO 66 SMT. NO.OF UNIT	F.S.I. AREA	% USED F.S.I.	RESI. DWELLING UNIT MORE THAN 66 SMT. AND UPTO 80 SMT. NO.OF UNIT	F.S.I. AREA	% USED F.S.I.	OTHER F.S.I. USED F.S.I.	% USED F.S.I.	COMM. F.S.I. USED F.S.I.	% USED F.S.I.
A+B	758.89	5237.71	5996.60	21	0	0.00	0.00	0	0	0	66	5237.71	100.00	0.00	0.00	758.89	5.81
C+D+E	0	7074.93	7074.93	0	0	0.00	0.00	108	7006.82	99.04	1	68.11	0.96	0.00	0.00	0.00	0.00
TOTAL	758.89	12312.64	13071.53	21	0	0.00	0.00	108	7006.82	53.60	67	5305.82	40.59	0.00	0.00	758.89	5.81

GRAND TOTAL DETAIL

SR. NO.	DWELLING UNIT TYPE	NO.OF UNIT	USED F.S.I.	% USED F.S.I.	CHARGABLE F.S.I.
A	COMMERCIAL UNIT	21	758.89	5.81	251.43
B	UP TO 50 SQ.MT.	00	00	0.00	0.00
C	MORE THAN 50 AND UP TO 66	108	7006.82	53.61	2321.43
D	MORE THAN 66 UP TO 80	67	5305.82	40.61	1757.87
E	WITH AFF.F.S.I. (40% SLAB)	00	00	0.00	00
	GRAND TOTAL	196	13071.53	100.00	4330.73



GROUND FLOOR PLAN

PLAN OF CLUB HOUSE / SOCIETY OFFICE
SCALE :- 1.00 CM. = 1.00 MT.

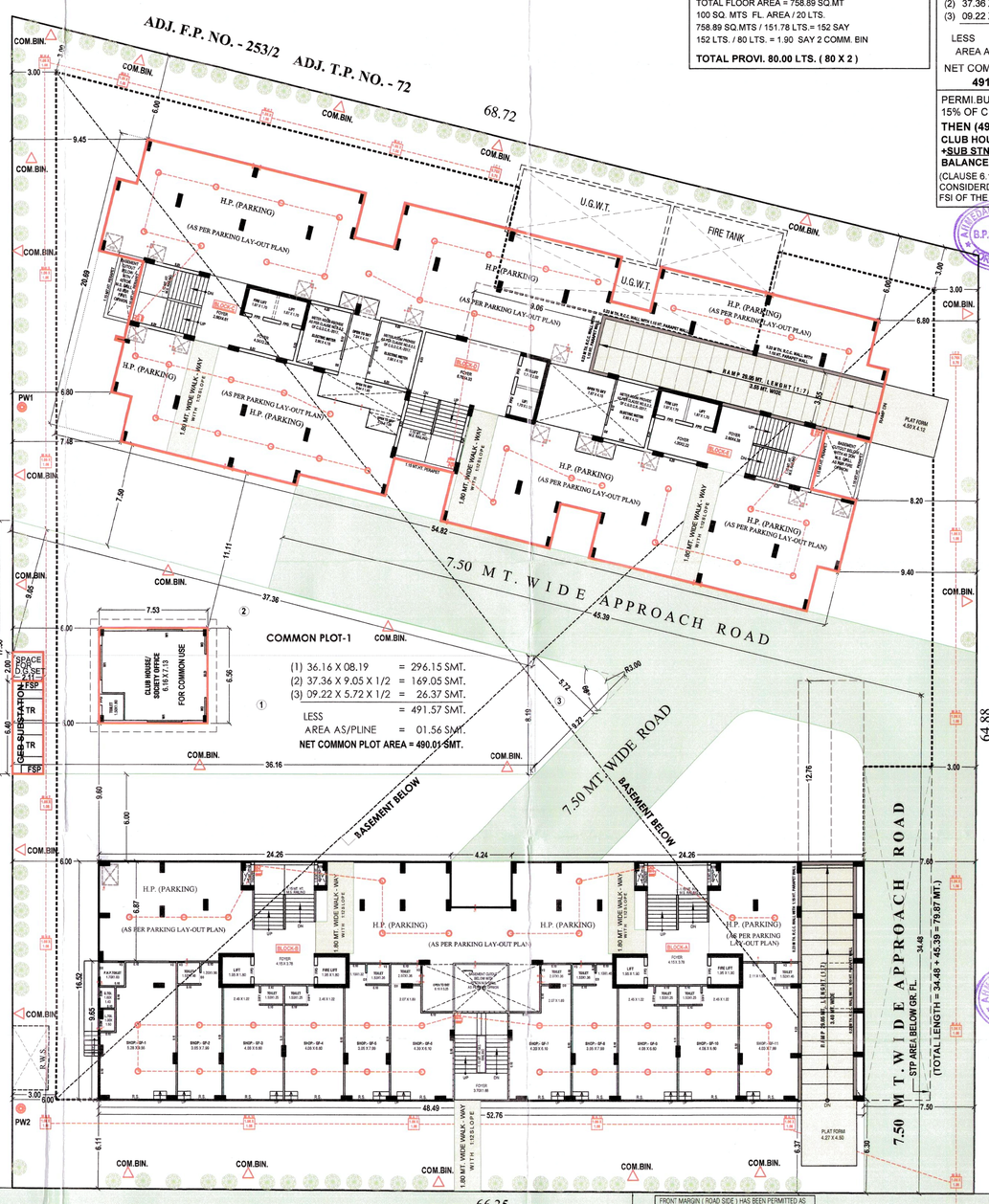
COMMUNITY BIN (COMMERCIAL)

(COMMERCIAL) - DUST BIN REQUIRD 20 LTS/100SQ.MTS.
TOTAL FLOOR AREA = 758.89 SQ.MT
100 SQ. MTS FL. AREA / 20 LTS.
758.89 SQ.MTS / 151.78 LTS.= 152 SAY
152 LTS. / 80 LTS. = 1.90 SAY 2 COMM. BIN
TOTAL PROVI. 80.00 LTS. (80 X 2)

COMMON PLOT AREA CALC :-

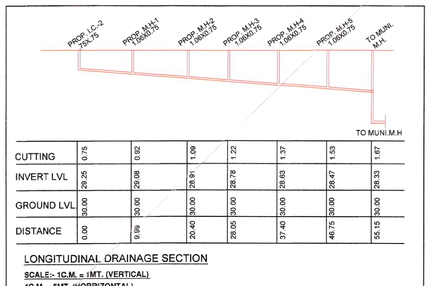
(1) 36.16 X 8.19 = 296.15 SMT.
(2) 37.36 X 9.05 X 1/2 = 169.05 SMT.
(3) 09.22 X 5.72 X 1/2 = 26.37 SMT.
= 491.57 SMT.
LESS
AREA AS/PLINE = 01.56 SMT.
NET COMMON PLOT AREA
491.57 - 1.56 = 490.01 SQ. MT.

PERMI.BUILT UP AREA @ 15% OF C.P. AREA
THEN (490.01 X 0.15) = 73.50 SQ.MT.
CLUB HOUSE+DG SET - 67.12 SQ.MT.
+SUB STN
BALANCE = 06.38 SQ.MT.
(CLAUSE 6.17.5.5 (a&c) B.UP. AREA NOT BE CONSIDERD TOWARDS COMPETATION OF FSI OF THE BUILDING UNIT)

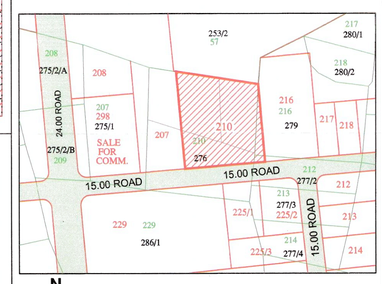


FRONT MARGIN (ROAD SIDE) HAS BEEN PERMITTED AS 6.00 MT. FROM PLT BOUNDRY, PROVIDED FRONT MARGIN SPACE ABUTTING ON ROAD WILL BE KEPT OPEN PERMANENTLY & COMPOUND WALL WILL NOT CONSTRUCTED ON ROAD SIDE BOUNDRY AS PER NOTIFICATION NO. GHV/05 OF 2018/PRC-102018-5058-L ,DTD :- 21/07/2018 REGARDING FIRE REGULATION - 2016

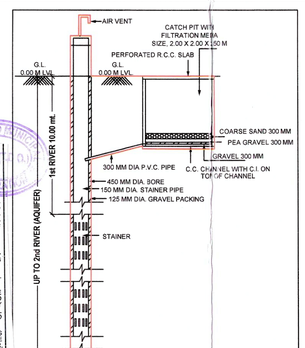
LAYOUT PLAN
SCALE :- 1.00 CM. = 2.00 MT.



LONGITUDINAL DRAINAGE SECTION
SCALE:- 1C.M. = 1MT. (VERTICAL)
1C.M. = 5MT. (HORRIZONTAL)



KEY PLAN
SCALE :-1.00 CM. =25.0 MT.



PERCOLATION WELL

FOR BUILDING UNIT 1500.00 S. M OR MORE AND UP TO 4000.00 S. M. & PART THERE OF IT.
NOTE :- STRUCTURE DESIGN AS PER STRUCTURAL ENGINEER.
(THIS IS ONLY SKETCH PLAN)

LIFT CALCULATION

BLOCK	NO. OF UNIT ABOVE 3RD. FL.	NO. OF LIFT REQ. (6 PERSON)	NO. OF LIFT PROVIDED (6 PERSON)
A	27	1	2
B	27	1	2
C	32	2	2
D	23	1	2
E	32	2	2

NOTE: FROM PROVI. LIFT IN EACH BLOCK ONE OF THEM SHALL BE DESIGNED AS FIRE LIFT

COLOUR NOTE

C.S. BOUNDARY
PROP. WORK
PROP. DR-LINE
ROAD
TREE
PERCO. WELL
COMMUNITY BIN

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

the permission is valid only Till the DP/TPS remains unaltered and further modification shall not affect the permission as there is no reference to the land under reference.

Bhaumik N. Thakar, 4, Hilton Residency, Opp. Shell Petrol Pump, Prahladnagar Garden, Satellite, Ahmedabad-380 015. Developer LIC No. DEV/21/6121223	Sandip K. Dave, 48, Tapovan Society, Near Manekbaug Hall, Ambawadi, Ahmedabad-380006. AMC - CW - 0723180221, ER - 1087180221, SOW - 001SR16072510082	
DEVELOPER	S.O.R.	
FOR, SHIVA DEVELOPERS, PARTNERS	Sandip K. Dave, 48, Tapovan Society, Near Manekbaug Hall, Ambawadi, Ahmedabad-380006. AMC - CW - 0723180221, ER - 1087180221, SOW - 001SR16072510082	
OWNER	C.O.W.	
Sandip K. Dave, 48, Tapovan Society, Near Manekbaug Hall, Ambawadi, Ahmedabad-380006. AMC - CW - 0723180221, ER - 1087180221, SOW - 001SR16072510082	SNEHAL K. MEHTA, STRUCTURAL DESIGNER GRADE-I, AMC LIC NO. SD-1* 0114300821/R3, 702, 7th Floor, ELITE BUSINESS PARK, OPP. SHAPATH HEXA BUILDING, SOLA OVER BRIDGE, S.G.HIGHWAY, AHMEDABAD - 380060.	
ENGINEER	STR.ENGINEER	

RESPONSIBILITY (C.G.D.C.R.-2017 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 (C.G.D.C.R.-2017 C.L. NO. 3.3.2) :- 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 ONE IN OR AROUND THE AREA DURING SUCH CONSTRUCTION AND NO LIABILITY WHATSOEVER IN THIS REGARD SHALL BE ADMITTED BY THE AUTHORITY

Ahmedabad Municipal Corporation
Case No. : BHNTS/NWZ/240620/CGDCRV/A3565/R0/M1 Zone: NORTH WEST
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number : 03738/240620/A3565/R0/M1
Date : 19/09/2020

T.D. Sub Inspector(B.P.S.P.) | T.D. Inspector (B.P.S.P.) | Asst. T.D.O. (B.P.S.P.)

SCRUTINIZE COPY No. 2368 Dt. 25/9/20 TDO, BPSP, AMC