BLOCK-A + B
LAY-OUT PLAN SHEET NO:- 01/05

RESIDENTIAL AFFORDABLE HOUSING

PLAN SHOWING PROPOSED RESIDENCE + COMMERCIAL (AFFORDABLE HOUSING) BUILDING ON AMALGAMETED F.P. NO :- 26/1 & 73/2 OF T.P.S. NO : 88 (SARKHEJ-OKAF-FATEHWADI- SANATHAL) [DRAFT SANCTIONED] [R.S.NO: 301/1 OF MOJE : OKAF & R.S.NO: 424/3 MOJE: FATEHWADI], [O.P NO: 26/1, 73/2] , MOJE : OKAF & FETHWADI.

TALUKA :- VEJALPUR DIST:- AHMEDABADAD

SCALE:-1CM = 2.00 MT.

ZONE:- COMMERCIAL-C USE:- RESIDENTIAL+PART. COMMERCIAL(RAH)

AREA TABLE	IN SQ MTS
PLOT AREA	10137.00
REQ. COMMON PLOT @10%	1013.70
PROV. COMMON PLOT	1595.89
PROP BUILT UP AREA ON GROUND FLOOR	3277.19

F.S.I. AREA TABLE	IN SQ MTS
PLOT AREA OF F.P.NO.	10137.00
PERMISIBLE F.S.I. 1:1.8 (101.37.00 X 1.8)	18246.60
PERM. CHARGEABLE F.S.I. AREA (10137.00 X 0.90)	9123.30
TOTAL PERM.+CHARGEABLE F.S.I. AREA	27369.90
TOTAL USED F.S.I.	27369.60
CHARGABLE F.S.I. (27369.60 – 18246.60)	9123.00

PROP. B.UP AREA TABLE					IN SQ.MTR.
FLOOR	BLOCK-A+B	BLOCK-C+D	BLOCK-E	BLOCK-F+G	TOTAL
B.UP AREA ON 1ST BASEMENT	7956.48	-----	-----	-----	7956.48
B.UP AREA ON GROUND FLOOR (SOCIETY COMM. AMENITY)	191.84	-----	-----	-----	191.84
B.UP AREA ON GROUND FLOOR(SECURITY CABIN) (C.P.)	3.61	-----	-----	-----	3.61
B.UP AREA ON GROUND FLOOR(ELE. SUB STATION)	37.53	-----	-----	-----	37.53
B.UP AREA ON GROUND FLOOR(HOLLOW PLINTH)	403.71	875.42	475.77	968.68	2723.58
B.UP AREA ON GROUND FLOOR(SOLID PLINTH)COMMERCIAL	182.50	92.46	-----	-----	274.96
B.UP AREA ON GROUND FLOOR(SOLID PLINTH) SOCI.AMENITY	45.67	-----	-----	-----	45.67
B.UP AREA ON FIRST FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON SECOND FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON THIRD FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON FOURTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON FIFTH FLOOR	661.93	997.98	490.81	998.78	3149.50
B.UP AREA ON SIXTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON SEVENTH FLOOR	661.93	997.98	490.81	998.78	3149.50
B.UP AREA ON EIGHTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON NINTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON TENTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON ELEVENTH FLOOR	661.93	997.98	490.81	998.78	3149.50
B.UP AREA ON TWELTH FLOOR	-----	967.88	475.77	968.68	2412.33
B.UP AREA ON STAIR CABIN	176.77	102.80	51.47	103.60	434.64
B.UP AREA ON L.M.R. & Q.H.W.T.	104.05	84.60	42.66	85.32	316.63
TOTAL PROP. B.UP AREA	16142.99	12860.14	6324.26	12872.06	48199.45

EQ. TENA & FLOOR AREA TABLE											IN SQ. MTR.
FLOOR	USE	UNITS					FLOOR AREA				
		BL.–A+B	BL.–C+D	BL.–E	BL.–F+G	TOTAL	BLOCK–A+B	BLOCK–C+D	BLOCK–E	BLOCK–F+G	TOTAL
CELLAR–1	PARK.	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GROUND	SOC.C.AREA	---	---	---	---	140.00	-----	-----	-----	-----	140.00
GROUND	PARKING+RES.+SHOP+S.C.A.	10	02	---	---	12	229.45	92.46	-----	-----	321.91
FIRST	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
SECOND	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
THIRD	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
FOURTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
FIFTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
SIXTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
SEVENTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
EIGHTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
NINTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
TENTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
ELEVENTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
TWELTH	RESIDENCE	---	16	08	16	40	-----	868.65	435.60	869.45	2173.70
TOTAL	RESIDENCE+S.C.AREA+SHOP+PARKING	10+88	194	96	192	10+570	6357.85	10516.28	5227.20	10433.40	32534.71

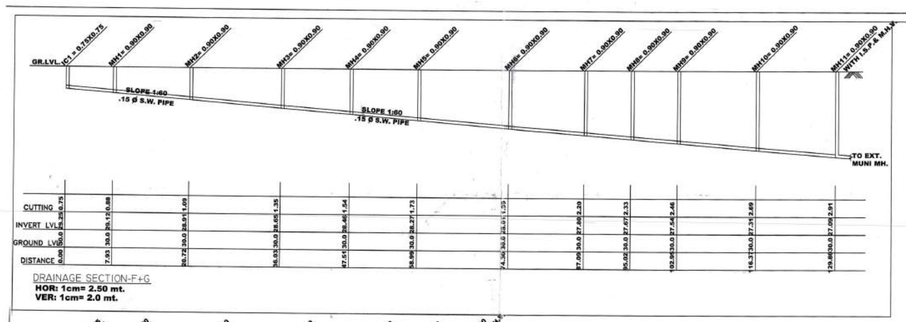
PROPOSED F.S.I. AREA TABLE					IN SQ. MTR.
FLOOR	BL.–A+B	BL.–C+D	BLOCK–E	BL.–F+G	TOTAL
GROUND FLOOR(SOCIETY COMM.AMENITY)	140.00	-----	-----	-----	140.00
GROUND FLOOR(SECURITY CABIN)	3.61	-----	-----	-----	3.61
G.F.(SOCIETY COMM. AMENITY)RESIDENCE	45.67	-----	-----	-----	45.67
GROUND FLOOR(COMMERCIAL)	182.50	-----	-----	-----	182.50
GROUND FLOOR (FLAT) RESIDENCE	-----	92.46	-----	-----	92.46
FIRST FLOOR	437.60	735.96	369.06	735.96	2278.58
SECOND FLOOR	437.60	735.96	369.06	735.96	2278.58
THIRD FLOOR	437.60	735.96	369.06	735.96	2278.58
FOURTH FLOOR	437.60	735.96	369.06	735.96	2278.58
FIFTH FLOOR	437.60	735.96	369.06	735.96	2278.58
SIXTH FLOOR	437.60	735.96	369.06	735.96	2278.58
SEVENTH FLOOR	437.60	735.96	369.06	735.96	2278.58
EIGHTH FLOOR	437.60	735.96	369.06	735.96	2278.58
NINTH FLOOR	437.60	735.96	369.06	735.96	2278.58
TENTH FLOOR	437.60	735.96	369.06	735.96	2278.58
ELEVENTH FLOOR	437.60	735.96	369.06	735.96	2278.58
TWELTH FLOOR	-----	735.96	369.06	735.96	1840.98
TOTAL	5185.38	8923.98	4428.72	8831.52	27369.60

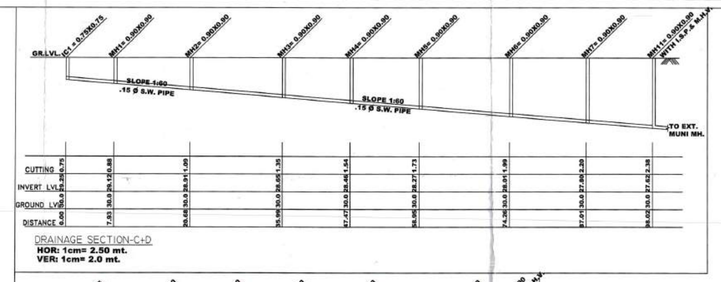
1	PLOT AREA	10137.00
2	PERMISSIBLE FSI	18246.60
3	PERMISSIBLE CHARGEBLE FSI	9123.30
4	MAX. PERMISSIBLE F.S.I.(2+3)	27369.90
5	TOTAL UTILISED F.S.I	27369.60
6	UTILISED CHARGEBLE F.S.I.(5-2)	9123.00
7	Max.PERMISSIBLE F.S.I.COMMERCIAL	2736.96

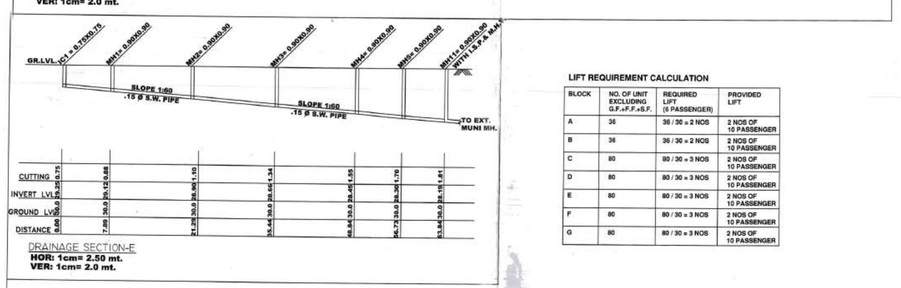
NOTE:- STRUCTURAL DESIGN AS PER STRUCTURAL ENGINEER THIS IS ONLY SKETCH PLAN.

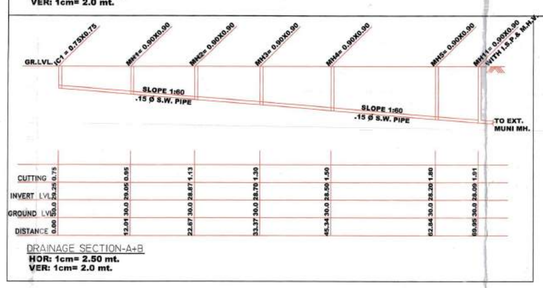
Block	Consume F.S.I			NO.OF COM. Unit	RESIDENTIAL Dwelling Unit UP 50 SQMT		RESIDENTIAL Dwelling Unit more then 50 sqmt and up to 66 sqmt		Dwelling Unit more then 66 sq.mt and up to 80 sq.mt		OTHER F.S.I		COMM. F.S.I	
	COMM/OTHER	RESI	Total		No of Unit	F.S.I AREA	% USED F.S.I	No.of Unit	F.S.I AREA	%OF USED F.S.I	No.of Unit	F.S.I AREA	%OF USED F.S.I	USED F.S.I	%OF USED F.S.I
A+B	371.78	4813.60	5185.38	10	0	0.00	0.00	88	4813.60	92.83	0	0.00	0.00	189.28	0.00	182.50	3.52
C+D	0.00	8923.98	8923.98	0	194	8923.98	100.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
E	0.00	4428.72	4428.72	0	96	4428.72	100.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
F+G	0.00	8831.52	8831.52	0	192	8831.52	100.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	371.78	18166.30	27369.60	10	482	22184.22	81.05	88	4813.60	92.83	0	0.00	0.00	189.28	0.69	182.50	0.67

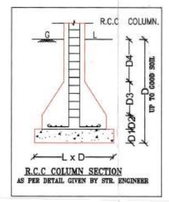
GRAND TOTAL DETAIL					
Sr No	Dwelling Unite Type	No of Unit	Used F.S.I	% USED F.S.I	Chargeble F.S.I
A	COMMERCIAL UNIT	10	182.50	0.67	60.83
B	UP 50 Sqmt	482	22184.22	81.05	7394.74
C	more then 50 sqmt up to 66	88	4813.60	17.59	1604.50
D	more then 66 sqmt up to 80	0	0.00	0.00	0.00
E	With Aff. F.S.I (40% Slab)	0	189.28	0.69	63.09
	Grand Total	580	27369.60	100.00	9123.00









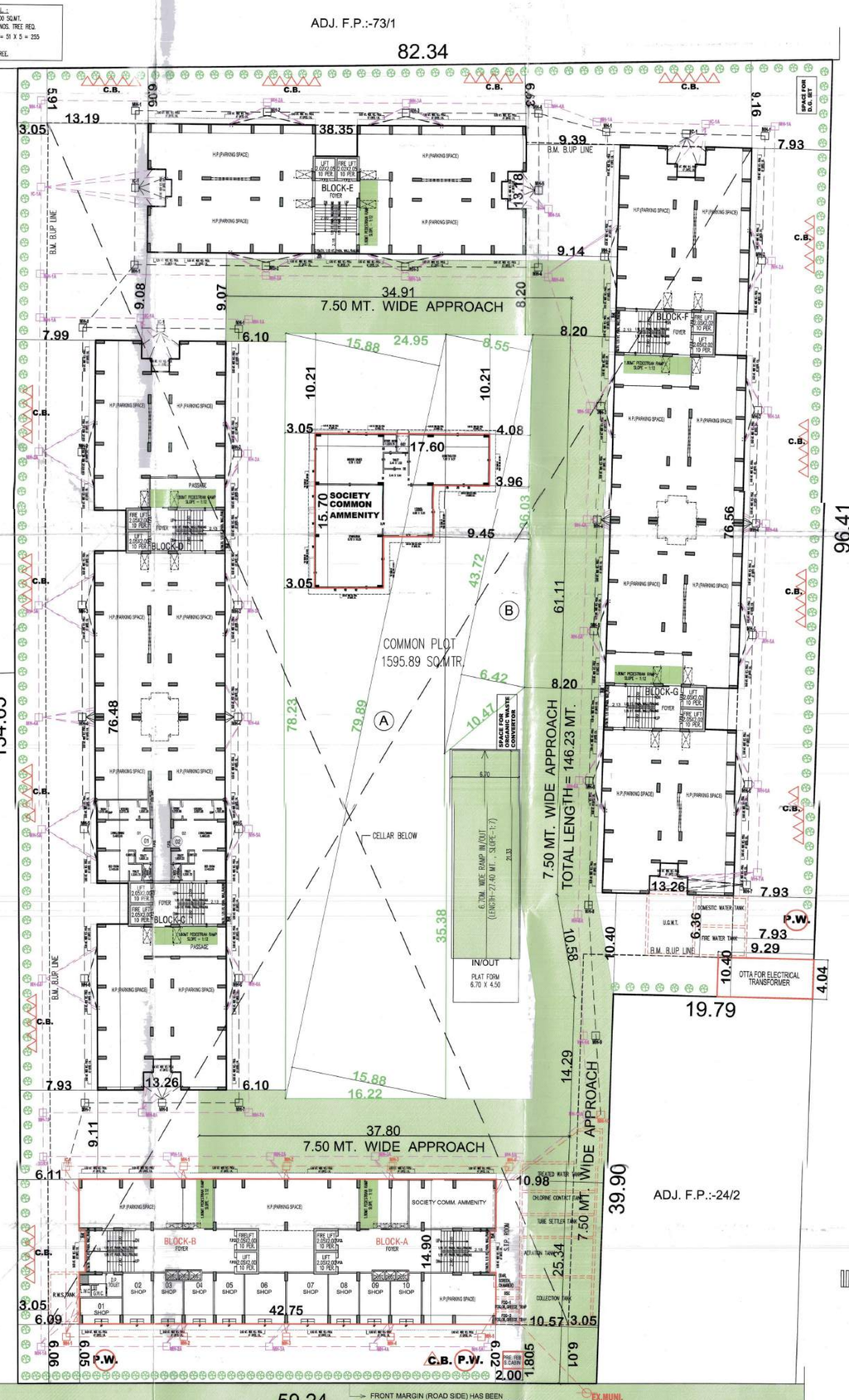


LIFT REQUIREMENT CALCULATION

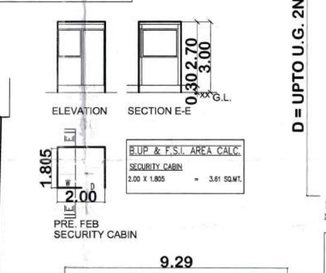
BLOCK	NO. OF UNIT EXCLUDING G.F.+F.F.+S.F.	REQUIRED LIFT (8 PASSENGER)	PROVIDED LIFT
A	36	36 / 30 = 2 NOS	2 NOS OF 10 PASSENGER
B	36	36 / 30 = 2 NOS	2 NOS OF 10 PASSENGER
C	80	80 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
D	80	80 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
E	80	80 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
F	80	80 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
G	80	80 / 30 = 3 NOS	2 NOS OF 10 PASSENGER

COMM. PLOT AREA CALC:
COMMON PLOT
(A) 1/2(15.88+15.88) X 79.89 = 1268.65 SQ.MT.
(B) 1/2(6.42+8.55) X 43.72 = 327.24 SQ.MT.
TOTAL = 1595.89 SQ.MT.

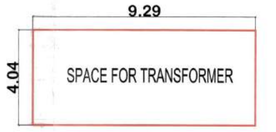
TREE PLANTATION CAL.:-
PLOT AREA = 10137.00 SQ.MT.
200.00 SQ. MT. = 5 NOS. TREE REQ.
10137.00 X 200 / 5 = 51 X 5 = 255
PROVIDE 255 NOS. TREE.



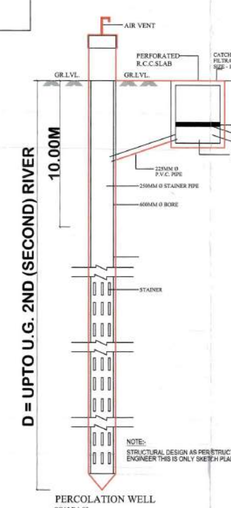
LAY-OUT PLAN
SCALE :-1CM=2.0 MT



B.UP & F.S.I. AREA CALC.
SECURITY CABIN
2.00 X 1.805 = 3.61 SQ.MT.

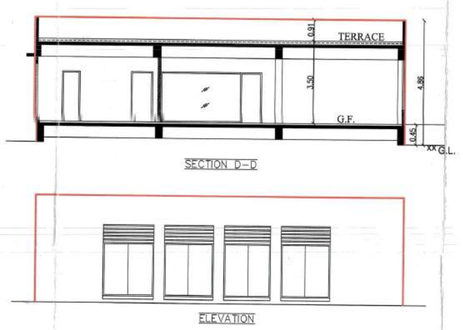


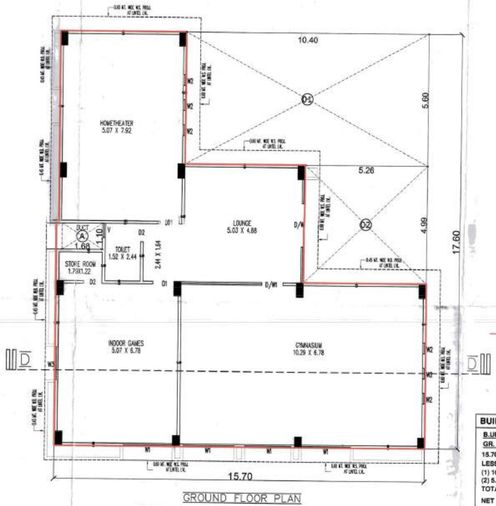
OTTA FOR ELECT. TRANSFORMER
B.A. FOR OTTA OF ELECT. TRANSFORMER = 9.29 X 4.04 = 37.53 SQ.MT.



PERCOLATING WELL CALC:-
REQ. 1500 TO 4000 SMT= 1 NOS.
10137.00 / 4000.00 = 2.53 NOS.
SAY REQ. P.WELL = 3 NOS.
PROVI. P.WELL = 3 NOS.

KEY PLAN
SCALE :-1CM=20.0 MT





GROUND FLOOR PLAN
(SOCIETY COMMON AMENITY IN C.P.)

COMM. PLOT AREA CALC.

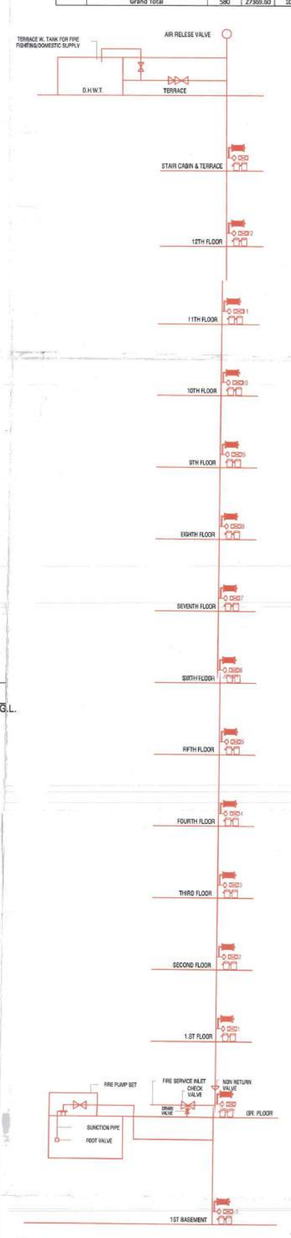
COMMON PLOT		IN SQ. MTR.
COMMON PLOT AREA	=	1595.89
PERM.B.A. IN C.P. 15%	=	239.38
PROV. B.A. IN C.P.	=	191.84
PROV. B.A. IN C.P. CALC. 15.70 X 17.60	=	276.32
LESS		
(1) 10.40 X 5.60	=	58.24
(2) 5.26 X 4.99	=	26.24
TOTAL	=	84.48
NET B.UP. AREA GR. FLOOR	=	191.84

BUILT UP & F.S.I. AREA CAL(SOCIETY COMM. AMMENITY IN C.P.)

B.UP. AREA CALC. GR.FLOOR	IN SQ. MTR.
15.70 X 17.60	= 276.32
LESS	
(1) 10.40 X 5.60	= 58.24
(2) 5.26 X 4.99	= 26.24
TOTAL	= 84.48
NET B.UP. AREA GR. FLOOR	= 191.84
F.S.I. AREA CALC. GR. FLOOR	IN SQ. MTR.
NET B.UP. AREA ON G.F.	= 191.84
LESS	
(A) 1.68 X 1.10	= 1.84
NET F.S.I. AREA GR. FLOOR	= 190.00
LESS NOT COUNTED IN F.S.I. AREA UP TO 50.00 SQ.MT.	= 50.00
NET F.S.I. AREA GR. FLOOR - (190.00 - 50.00)	= 140.00

SCHEDULE OF OPENING

DOOR		WINDOWS/VENT	
D/W =	4.38 X 2.30	W1 =	2.11 X 2.30
D/W1 =	4.28 X 2.30	W2 =	0.46 X 2.30
D1 =	0.90 X 2.10	W3 =	1.40 X 2.30
D2 =	0.75 X 2.10	V =	0.60 X 0.60



1. HYDRANT 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 FRV 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-riser inlet should be installed at a point near the entry to the premises 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 below 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 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 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.

LEGENDS:-

FIRE HYDRANT SYSTEM PIPE MAIN	REDUCER
SLUICE VALVE	FIRE HOSE BOX.
SINGLE HANDED HYDRANT VALVE	HOSE REEL HOSE.
TWO WAY STAMESE/ FIRE SERVICE INLET.	D.C.P. & CO2
NON RETURN VALVE.	

HEIGHT OF MARGIN IN MTR.
45.00 MT. HEIGHT
REAR & SIDE = 6.00 MT MARGIN REQ.
18.00 MT ROAD SIDE = 6.00 MT MARGIN REQ.
FROM C.P. = 6.00 MT MARGIN REQ.
STAIR = 2.13 , 0.30 , 0.16

COLOUR NOTE:-
PLOT BOUNDRY
ROAD / RAMP
PROP. WORK
PROP.DRAINAGE
TREE
CONTAINER BIN
P.WELL

STAIR DETAILS:-
WIDTH : - 2.13 MTR.
TREAD : - 0.30 MTR.
RISER : - 0.16 MTR.

SCRUTINIZE COPY
NO. C/651/01/5/17.
TDO, BPSP, AMC

SIDDHARTH R. DESAI
STRUCTURAL DESIGNER
LIC No. SD/567/2009/22
Date of Issue 21/09/2017
95, Madhuban Tower, Nr. Townhall, Ellisbridge, Ahmedabad-380 006.
STRU. ENGINEER

AMAL P. AGARWAL
LICENCE NO. AR/2352/91/020
501, PANCHTIRTH APTS., JODHPUR CHAR RASTA, SATELLITE, A'BAD-380015.
ENGINEER

RAMESH B. PRAJAPATI
CONSULTING CIVIL ENGINEER
II, 3rd Floor, Rajul Apartment, Nr. Parshwa Park Jamnagar, Ahmedabad-380014.
CON. LIC. No. ER 03512/01/33
C.O.W.

For, Surya Kiran Developers
Suryakiran Developers
Authorized Signatory
OWNER

AMC DEVELOPERS LIC NO. 187/02/320
FOR GOYAL & CO. (CONST.) PVT. LTD.
DEVELOPER

Ahmedabad Municipal Corporation
Case No.: BRHNT/SWZ/92011/BC/DCR/VA/1212/R/6/M1 Zone: SOUTH WEST
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number : 01846/92011/BA/1212/R/6/M1
Date : 26/05/2019
Sub T.P. Officer (B.P.S.P.) T.D. Inspector (B.P.S.P.) Asst. T.D.O. (R.S.O.)
AUTHORITY

BLOCK- C + D
LAY-OUT PLAN SHEET NO:- 01/04

RESIDENTIAL AFFORDABLE HOUSING

PLAN SHOWING PROPOSED RESIDENCE (AFFORDABLE HOUSING) BUILDING ON AMALGAMETED F.P. NO :-26/1 & 73/2 OF T.P.S. NO : 88 (SARKHEJ-OKAF-FATEHWADI- SANATHAL) [DRAFT SANCTIONED] [R.S.NO: 30/11 OF MOUE: OKAF & R.S.NO: 42/43 MOUE: FATEHWADI], [O.P NO: 26/1, 73/2] , MOUE : OKAF & FETHWADI,

TALUKA :- VEJALPUR DIST:- AHMEDABADAD

SCALE:-1CM = 2.00 MT.

ZONE:- COMMERCIAL-C USE:- RESIDENTIAL (RAH)

AREA TABLE	IN SQ MTS
PLOT AREA	10137.00
REQ. COMMON PLOT @10%	1013.70
PROVI. COMMON PLOT	1595.89
PROP BUILT UP AREA ON GROUND FLOOR	3277.19

F.S.I. AREA TABLE	IN SQ MTS
PLOT AREA OF F.P.NO.	10137.00
PERMISIBLE F.S.I. 1(1.8 (10137.00 X 1.8)	18246.60
PERM. CHARGEABLE F.S.I. AREA (10137.00 X 0.90)	9123.30
TOTAL PERMI.+CHARGEABLE F.S.I. AREA	27369.90
TOTAL USED F.S.I.	27369.60
CHARGABLE F.S.I. (27369.60 – 18246.60)	9123.00

PROPOSED F.S.I. AREA TABLE					IN SQ. MTR.
FLOOR	BL.–A+B	BL.–C+D	BLOCK–E	BL.–F+G	TOTAL
GROUND FLOOR(SOCIETY COMM.AMENITY)	140.00	----	----	----	140.00
GROUND FLOOR(SECURITY CABIN)	3.61	----	----	----	3.61
G.F.(SOCIETY COMM. AMENITY)RESIDENCE	45.67	----	----	----	45.67
GROUND FLOOR(COMMERCIAL)	182.50	----	----	----	182.50
GROUND FLOOR (FLAT) RESIDENCE	----	92.46	----	----	92.46
FIRST FLOOR	437.60	735.96	369.06	735.96	2278.58
SECOND FLOOR	437.60	735.96	369.06	735.96	2278.58
THIRD FLOOR	437.60	735.96	369.06	735.96	2278.58
FOURTH FLOOR	437.60	735.96	369.06	735.96	2278.58
FIFTH FLOOR	437.60	735.96	369.06	735.96	2278.58
SIXTH FLOOR	437.60	735.96	369.06	735.96	2278.58
SEVENTH FLOOR	437.60	735.96	369.06	735.96	2278.58
EIGHTH FLOOR	437.60	735.96	369.06	735.96	2278.58
NINTH FLOOR	437.60	735.96	369.06	735.96	2278.58
TENTH FLOOR	437.60	735.96	369.06	735.96	2278.58
ELEVENTH FLOOR	437.60	735.96	369.06	735.96	2278.58
TWELTH FLOOR	----	735.96	369.06	735.96	1840.98
TOTAL	5185.38	8923.98	4428.72	8831.52	27369.60

PROP. B.UP AREA TABLE					IN SQ.MTR.
FLOOR	BLOCK–A+B	BLOCK–C+D	BLOCK–E	BLOCK–F+G	TOTAL
B.UP AREA ON 1ST BASEMENT	7956.48	----	----	----	7956.48
B.UP AREA ON GROUND FLOOR (SOCIETY COMM. AMENITY)	191.84	----	----	----	191.84
B.UP AREA ON GROUND FLOOR(SECURITY CABIN) (C.P.)	3.61	----	----	----	3.61
B.UP AREA ON GROUND FLOOR(ELE. SUB STATION)	37.53	----	----	----	37.53
B.UP AREA ON GROUND FLOOR(HOLLOW PLINTH)	403.71	875.42	475.77	968.68	2723.58
B.UP AREA ON GROUND FLOOR(SOLID PLINTH)(COMMERCIAL	182.50	92.46	----	----	274.96
B.UP AREA ON GROUND FLOOR(SOLID PLINTH) SOCI.AMENITY	45.67	----	----	----	45.67
B.UP AREA ON FIRST FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON SECOND FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON THIRD FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON FOURTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON FIFTH FLOOR	661.93	997.98	490.81	998.78	3149.50
B.UP AREA ON SIXTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON SEVENTH FLOOR	661.93	997.98	490.81	998.78	3149.50
B.UP AREA ON EIGHTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON NINTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON TENTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON ELEVENTH FLOOR	661.93	997.98	490.81	998.78	3149.50
B.UP AREA ON TWELTH FLOOR	----	967.88	475.77	968.68	2412.33
B.UP AREA ON STAIR CABIN	176.77	102.80	51.47	103.60	434.64
B.UP AREA ON L.M.R. & O.H.W.T.	104.05	84.60	42.66	85.32	316.63
TOTAL PROP. B.UP AREA	16142.99	12860.14	6324.26	12872.06	48199.45

EQ. TENA & FLOOR AREA TABLE											IN SQ. MTR.
FLOOR	USE	UNITS					FLOOR AREA				
		BL.–A+B	BL.–C+D	BL.–E	BL.–F+G	TOTAL	BLOCK–A+B	BLOCK–C+D	BLOCK–E	BLOCK–F+G	TOTAL
CELLAR–1	PARK.	----	----	----	----	----	----	----	----	----	----
GROUND	SOC.C.AREA PARKING+RESI.+ SHOP+S.C.A.	---	---	---	---	---	140.00	----	----	----	140.00
GROUND	RESIDENCE	10	02	---	---	12	229.45	92.46	----	----	321.91
FIRST	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
SECOND	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
THIRD	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
FOURTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
FIFTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
SIXTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
SEVENTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
EIGHTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
NINTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
TENTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
ELEVENTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
TWELTH	RESIDENCE	---	16	08	16	40	-----	868.65	435.60	869.45	2173.70
TOTAL	RESIDENCE+ S.C.AREA+ SHOP+PARKING	10+88	194	96	192	10+ 576	6357.85	10516.26	5227.20	10433.40	32534.71

1	PLOT AREA	10137.00
2	PERMISSIBLE FSI	18246.60
3	PERMISSIBLE CHARGEBLE FSI	9123.30
4	MAX. PERMISSIBLE F.S.I.(2+3)	27369.90
5	TOTAL UTILISED F.S.I	27369.60
6	UTILISED CHARGEBLE F.S.I.(5-2)	9123.00
7	Max.PERMISSIBLE F.S.I COMMERCIAL	2736.99

Block	Consume F.S.I			NO.OF COM. Unit	RESIDENTIAL Dwelling Unit UP 50 SQMT		RESIDENTIAL Dwelling Unit more than 50 sqmt and up to 66 sqmt			Dwelling Unit more than 66 sq.mt and up to 80 sq.mt			OTHER F.S.I			COMM. F.S.I	
	COMM/ OTHER	RESI	Total		No of Unit	F.S.I AREA	% USED F.S.I	No.of Unit	F.S.I AREA	%OF USED F.S.I	No.of Unit	F.S.I AREA	%OF USED F.S.I	USED F.S.I	%OF USED F.S.I	USED F.S.I	%OF USED F.S.I
A+B	371.78	4813.60	5185.38	10	0	0.00	0.00	88	4813.60	92.83	0	0.00	0.00	189.28	0	182.50	3.52
C+D	0.00	8923.98	8923.98	0	194	8923.98	100.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
E	0.00	4428.72	4428.72	0	96	4428.72	100.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
F+G	0.00	8831.52	8831.52	0	192	8831.52	100.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	371.78	18166.30	27369.60	10	482	22184.22	81.05	88	4813.60	92.83	0	0.00	0.00	189.28	0.69	182.50	0.67

GRAND TOTAL DETAIL					
Sr No	Dwelling Units Type	No of Unit	Used F.S.I	% USED F.S.I	Chargeble F.S.I
A	COMMERCIAL UNIT	10	182.50	0.67	60.83
B	UP 50 Sqmt	482	22184.22	81.05	7394.58
C	more then 50 and up to 66	88	4813.60	17.59	1604.50
D	more then 66 and up to 80	0	0.00	0.00	0.00
E	With APT. F.S.I (40% Slab)	0	189.28	0.69	63.09
	Grand Total	580	27369.60	100.00	9123.00

HEIGHT OF MARJIN	IN MTR.
45.00 MT. HEIGHT	
REAR & SIDE = 6.00 MT MARGIN REQ.	
18.00 MT ROAD SIDE = 6.00 MT MARGIN REQ.	
FROM C.P. = 6.00 MT MARGIN REQ.	
STAIR = 2.13 , 0.30 , 0.16	

COLOUR NOTE:–
PLOT BOUNDRY
ROAD / RAMP
PROP. WORK
PROP.DRAINAGE
TREE
CONTAINER BIN
PILLAR

STAIR DETAILS:–
WIDTH : – 2.13 MTR.
TREAD : – 0.30 MTR.
RISER : – 0.16 MTR.

DRAINAGE SECTION-F+G
HOR: 1cm= 2.50 mt.
VER: 1cm= 2.0 mt.

DRAINAGE SECTION-C+D
HOR: 1cm= 2.50 mt.
VER: 1cm= 2.0 mt.

DRAINAGE SECTION-A+B
HOR: 1cm= 2.50 mt.
VER: 1cm= 2.0 mt.

DRAINAGE SECTION-E
HOR: 1cm= 2.50 mt.
VER: 1cm= 2.0 mt.

LIFT REQUIREMENT CALCULATION

BLOCK	NO. OF UNIT EXCLUDING G.F.+F.F.+S.F.	REQUIRED LIFT (8 PASSENGER)	PROVIDED LIFT
A	36	36 / 30 = 2 NOS	2 NOS OF 10 PASSENGER
B	36	36 / 30 = 2 NOS	2 NOS OF 10 PASSENGER
C	80	80 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
D	80	80 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
E	80	80 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
F	80	80 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
G	80	80 / 30 = 3 NOS	2 NOS OF 10 PASSENGER

COMM. PLOT AREA CALC.
COMMON PLOT
(A) 1/2(15.88+15.88) X 79.89 = 1268.65 SQ.MT.
(B) 1/2(6.42+8.55) X 43.72 = 327.24 SQ.MT.
TOTAL = 1595.89 SQ.MT.

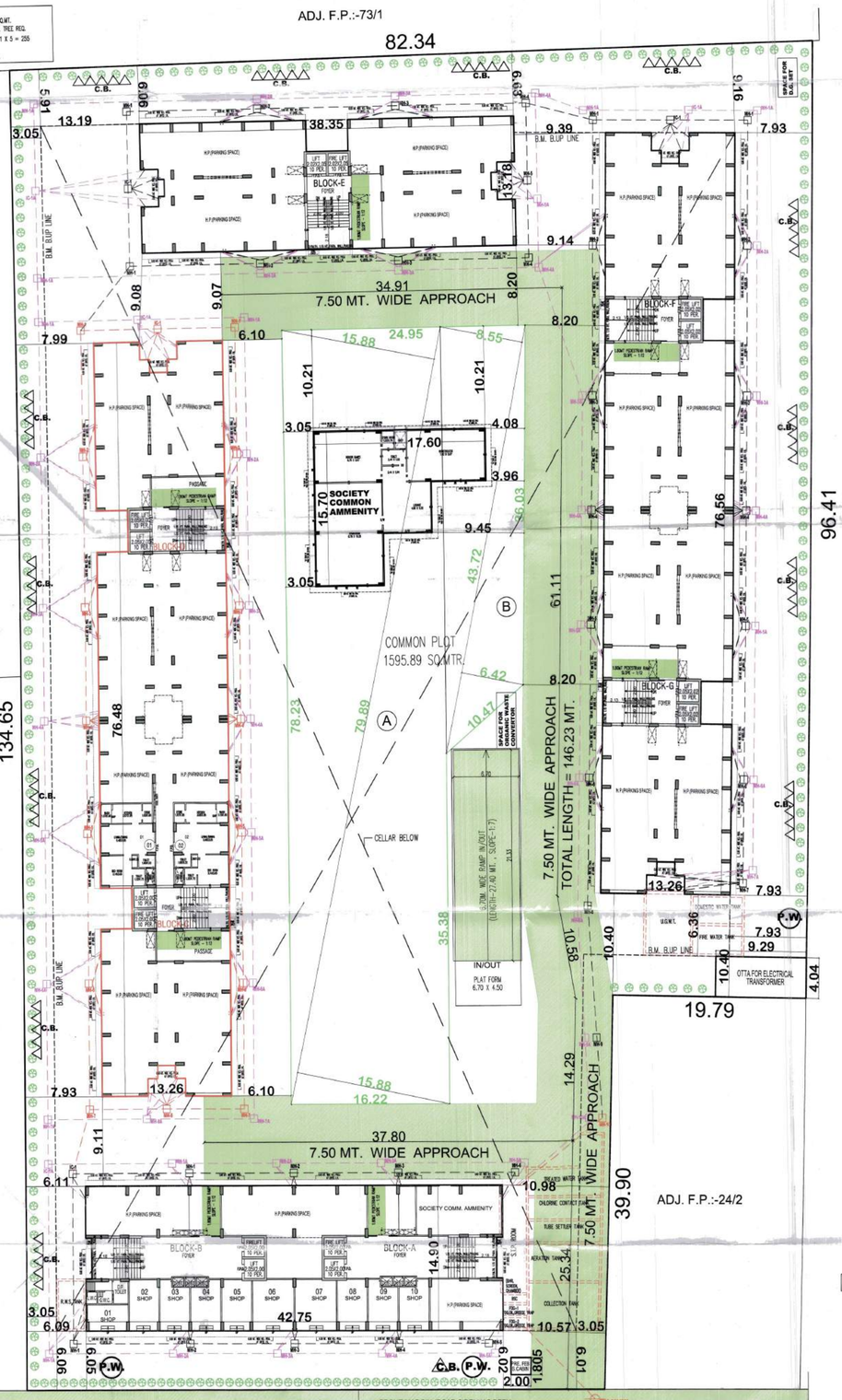
TREE PLANTATION CAL.:-
PLOT AREA = 10137.00 SQ.MT.
200.00 SQ. MT. = 5 NOS. TREE REQ.
10137.00 X 200 / 5 = 51 X 5 = 255
PROVIDE 255 NOS. TREE.

COMMON SANITARY ACCOMODATION CAL. COMMERCIAL
TOTAL CARPET AREA = 157.31 SQ.MT.
4.00 SQ.MT. / 1 PERSONS
157.31 / 4 = 39.32 PERSONS SAY 40.00 SAY 01
ASSUMING 20 MALE & FEMALE USER

REQUIRED	PROVIDED
URINAL – 01	URINAL – 01
MALE W.C. –01	MALE W.C. –01
FEMALE W.C. – 01	FEMALE W.C. – 01
	D.P. TOILET – 01

COMMUNITY BIN CALCULATION
COMMERCIAL
TOTAL FLOOR AREA OF COMMERCIAL = 182.50 SQ.MT.
FOR 100 SQ.MT. FLOOR AREA – 20 LIT. CAPACITY
FOR 182.50 SQ.MT. = 182.50 X 20/100 = 36.50 LIT.
FOR 100 SQ.MT. FLOOR AREA – 20 LIT. CAPACITY
PROVIDED 1 COMMUNITY BIN OF 80 LIT. CAPACITY
RESIDENCE
TOTAL NO OF DWELLING UNITS = 570
FOR 1 DWELLING UNIT = 10 LIT. CAPACITY
FOR 570 UNIT = 570 X 10 = 5700 LIT.
NO OF COMMUNITY BIN OF 80 LIT. CAPACITY = 5700/80 = 72 NOS
PROVIDED 72 COMMUNITY BIN OF 80 LIT. CAPACITY

- IT IS CERTIFIED THAT PLOT UNDER REFERENCE IS SURVEYED BY ME AND THE DIMENSION OF ALL SIDES OF PLOT AND 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 AND POSITION OF EXISTING MUNICIPAL MANHOLE IS VERIFIED ME ON SITE AND PROVIDE FOR SET DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO CDCR–2017 ALL REQUIREMENTS OF THE BUILDING ARE CHECKED AND NECESSARY ACTIONS ARE TAKEN.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 3.3.3 OF THE CDCR–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 22.3 CDCR–2017.
- PEDESTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.1.5 OF CDCR–2017.
- LIFT & THE LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.12 AND 21.8 OF CDCR–2017.
- WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.8 OF CDCR–2017.
- SIGNAGE LETTER BOX IS PROVIDED AT GROUND LEVEL FOR EACH UNIT.
- WATER TANK FOR FIRE SAFETY REQUIREMENT PROVIDED AS PER CHEPTER NO. 22.21 OF CDCR–2017.
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 21.11 OF CDCR–2017.
- DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER THE CLAUSE NO. 21.5.2 OF CDCR–2017.
- STORAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 21.10 OF CDCR–2017.
- SEPARATE WC FOR DISABLED PERSONS IS PROVIDED AS PER THE CLAUSE NO. 21.3 OF THE CDCR–2017.
- ENTRANCE OF THE BUILDING IS PROVIDED AS PER THE CLAUSE NO. 21.1.7 OF CDCR–2017.
- THE PAVING OF BUILDING UNIT/PAH, PLOT AS PER THE PROVISION OF THE CLAUSE NO. 21.1.4 OF CDCR–2017.
- THE STRUCTURE OF THE BUILDING IS DESIGNED AS PER THE NORMS OF THE SPECIFIED IN INDIAN STANDARD AND TAKE 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. 25.3 OF CDCR–2017.
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 25.3 OF CDCR–2017.
- GREY WATER RECYCLING SYSTEM & DUAL PLUMBING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 25.4 OF CDCR–2017.
- TREE PLANTATION IS PROVIDED AS PER THE CLAUSE NO. 25.5 OF CDCR–2017.
- SOLAR WATER HEATING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 25.6 OF THE CDCR–2017.
- POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO. 28 OF CDCR–2017.
- FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER NO. 22 OF CDCR–2017. & AS PER FIRE OFFICER.
- FIRE SAFETY PROVISION SHALL BE MADE AS PER FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION–2016 AND FIRE PREVENTION AND LIFE SAFETY MEASURES ACT–2013.
- MAINTAINANCE AND UPGRADATION OF BUILDING IS AS PER CHAPTER NO. 27 OF CDCR–2017.
- MARGINAL SPACE & CELLAR SLAB SHALL HAVE LOAD BEARING CAPACITY OF 40,000 TONNES PER SQUARE METER SHALL BE PROVIDED AS PER CHAPTER NO. 22.3 OF CDCR–2017.
- ROOF TOP SOLAR ENERGY INSTALLATION & GENERATION SHALL BE PROVIDED AS PER CLAUSE NO. 25.6.1 OF CDCR–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 THE EACH FACADE WITH THE PROVISION OF SAFETY RAILING UP TO SILL LEVEL AS PER CDCR CL. NO.–21.1.3 OF CDCR–2017.
- MARGINAL SPACE ALLOCATED TO BUILDING AND CELLAR SLAB SHALL BE OPEN TO SKY AND NOTIFIABLE WITH MINIMUM LOAD BEARING CAPACITY OF 40 TONNAGE PER SQUARE METER.
- ELECTRIC DUCT SHALL BE PROVIDED WITH SEALED FIRE RATED DOORS AT EACH FLOOR LEVEL.
- BASEMENT SHALL BE VENTILATED ADEQUATELY ANY DEFICIENCY SHALL BE COMPENSATED BY USE OF MECHANICAL SYSTEM AS PER CL. NO. 21.4 AND 22.22 OF CDCR–2017.

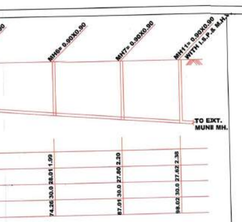


FRONT MARGIN (ROAD SIDE) HAS BEEN PERMITTED AS 6.00 MT FROM PLOT BOUNDARY, PROVIDED FRONT MARGIN SPACE ABUTTING ON ROAD WILL BE KEPT OPEN PERMANENTLY & COMPOUND WALL WILL NOT CONSTRUCTED ON ROAD SIDE BOUNDARYAS PER NOTIFICATION NO.:- GHV/65 OF 2018/PRC - 102018 - 5068-L, DTD :- 21/07/2018 REGARDING FIRE REGULATION - 2016.

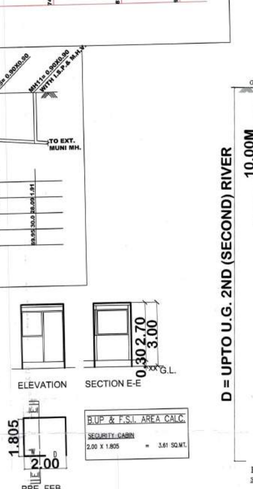
EX.MUNI. MH

LAY-OUT PLAN
SCALE :-1CM=2.0 MT

SCRUTINIZE COPY NO. 2846 Dt. 8/5/19 TDO, BPSP, AMC



R.C.C COLUMN SECTION
AS PER DETAIL GIVEN BY STR. ENGINEER

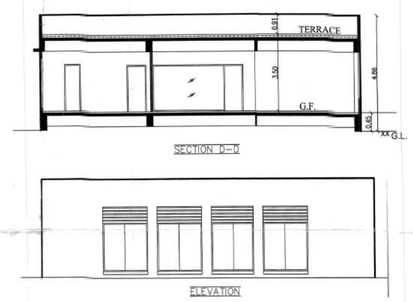


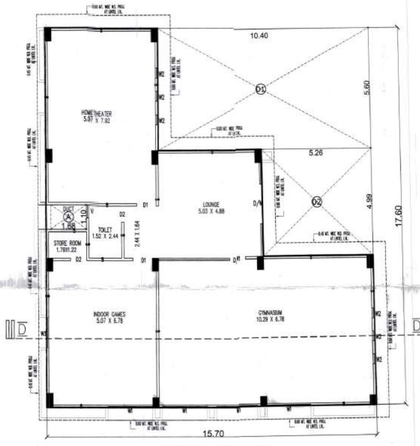
PERCOLATING WELL CALC:–
REQ. 1500 TO 4000 SMT= 1 NOS.
10137.00 / 4000.00 = 2.53 NOS.
SAY REQ. P.WELL = 3 NOS.
PROVI. P.WELL = 3 NOS.

B.UP & F.S.I. AREA CALC.
SECURITY CABIN
2.00 X 1.805 = 3.61 SQ.MT.

B.A. FOR OTTA OF ELECT. TRANSFORMER
= 9.29 X 4.04 = 37.53 SQ.MT.

KEY PLAN
SCALE :-1CM=20.0 MT





GROUND FLOOR PLAN
(SOCIETY COMMON AMENITY IN C.P.)

COMM. PLOT AREA CALC.

COMMON PLOT	IN SQ. MTR.
COMMON PLOT AREA	= 1595.89
PERM.B.A. IN C.P. 15%	= 239.38
PROV. B.A. IN C.P.	= 191.84
PROVI. B.A. IN C.P. CALC. 15.70 X 17.60	= 276.32
LESS	
(1) 10.40 X 5.60	= 58.24
(2) 5.26 X 4.99	= 26.24
TOTAL	= 84.48
NET B.UP. AREA GR. FLOOR	= 191.84

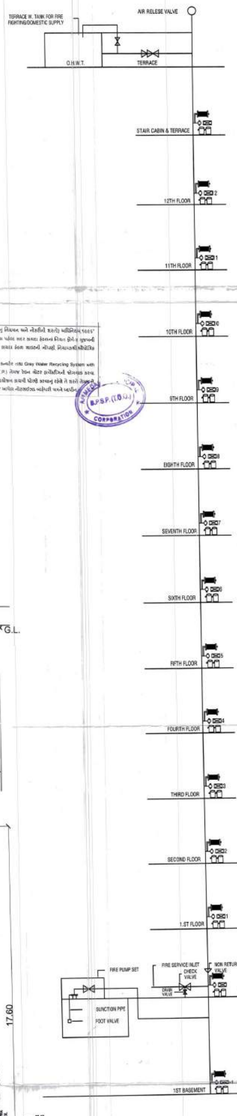
BUILT UP & F.S.I. AREA CAL(SOCIETY COMM. AMMENITY IN C.P.)

B.UP. AREA CALC. GR. FLOOR	IN SQ. MTR.
15.70 X 17.60	= 276.32
LESS	
(1) 10.40 X 5.60	= 58.24
(2) 5.26 X 4.99	= 26.24
TOTAL	= 84.48
NET B.UP. AREA GR. FLOOR	= 191.84

F.S.I. AREA CALC. GR. FLOOR	IN SQ. MTR.
NET B.UP. AREA ON G.F.	= 191.84
LESS (A) 1.68 X 1.10	= 1.84
NET F.S.I. AREA GR. FLOOR	= 190.00
LESS NOT COUNTED IN F.S.I. AREA UP TO 50.00 SQ.MT.	= 50.00
NET F.S.I. AREA GR. FLOOR - (190.00 - 50.00)	= 140.00

SCHEDULE OF OPENING

DOOR		WINDOWS/VENT	
D/W = 4.38 X 2.30		W1 = 2.11 X 2.30	
D/W1= 4.26 X 2.30		W2 = 0.46 X 2.30	
D1 = 0.90 X 2.10		W3 = 1.40 X 2.30	
D2 = 0.76 X 2.10		V = 0.60 X 0.60	



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-mein Pipe 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 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 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 areas. those additional measures / equipment have to be implemented / installed.

LEGENDS:–

FIRE HYDRANT SYSTEM PIPE MAIN	REDUCER
SLUICE VALVE	FIRE HOSE BOX.
SINGLE HANDED HYDRANT VALVE	HOSE REEL HOSE.
TWO WAY STAMESE/ FIRE SERVICE INLET.	D.C.P. & CO2
NON RETURN VALVE.	

SIDDHARTH R. DESAI
STRUCTURAL DESIGNER
LIC No. SD/567/200922
Date of Issue 21/09/2017
95, Madhuban Tower,
Nr. Townhall, Ellisbridge,
Ahmedabad-380 006.
STRU. ENGINEER

AMAL P. AGARWAL
LICENCE NO. AR/2025291020
501, PANCHTIRTH APTS.,
JODHPUR CHAR RASTA,
SATELLITE, A'BAD-380015.
ENGINEER

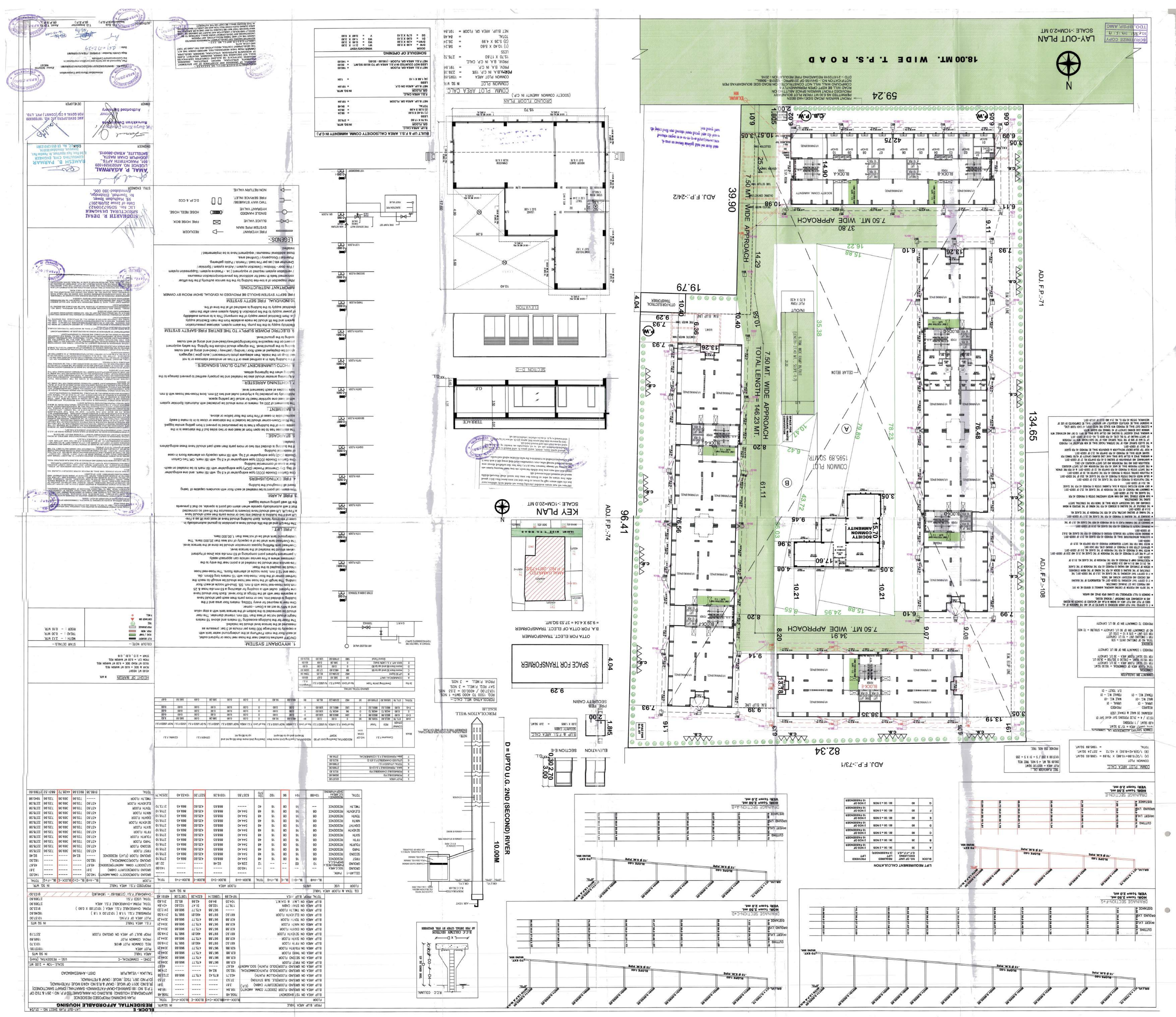
RAMESH B. PARMAR
CONSULTING CIVIL ENGINEER
6, 3rd Floor, Rajul Apartment, Nr. Paridise Park, Sabarmati, Ahmedabad-380114.
CIVIL LIC. No. CE 05512/001231R1
C.O.W.

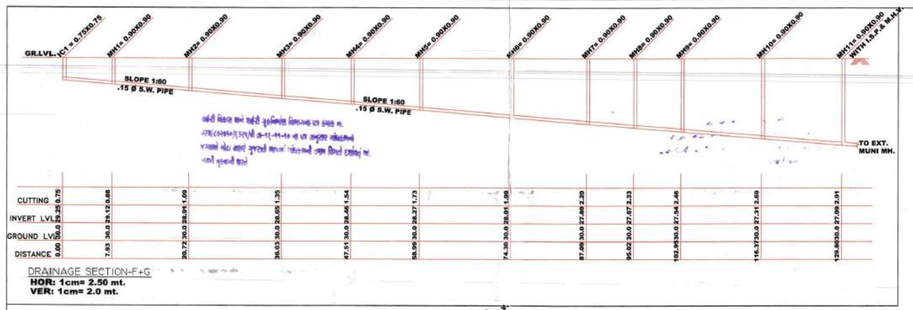
For, Surya Kiran Developers
Suryakiran Developers
Partner
Authorized Signatory
OWNER

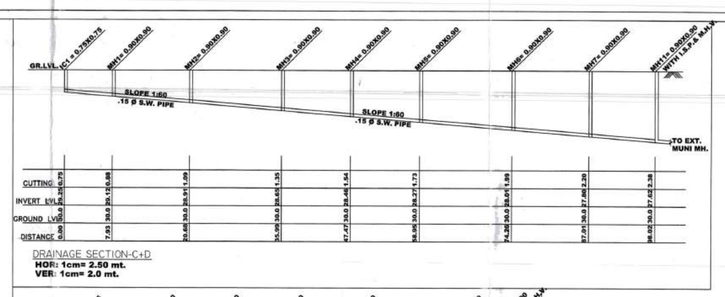
AMC DEVELOPERS LIC NO. 187/98/2006
FOR GOYAL & CO. (CONSTR.) PVT. LTD.
DEVELOPER

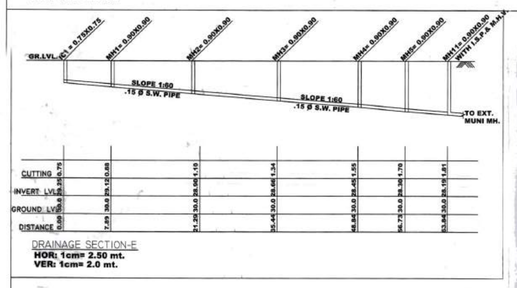
Ahmedabad Municipal Corporation
Case No. : BH/NTS/SWZ/02011/R/CDCR/N/A1213/05/M1
Zone: SOUTH WEST
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number : 91045/02011/B/A1213/05/M1
Date : 14/10/2019
T.D. Inspector (B.P.S.P.)
Asst. T.D.O. (B.P.S.P.)
AUTHORITY

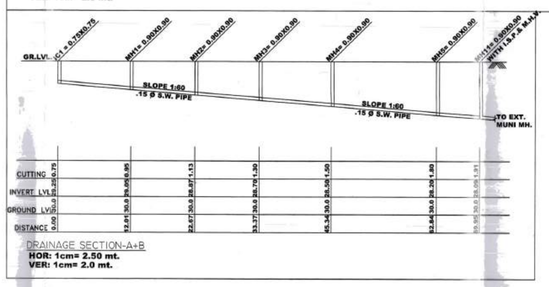
RESPONSIBILITY OF B.U.A. (R.T.I. CL. NO. 1.3.3 & 1.3.4):–
THE SANCTION OF PLAN, INSPECTION AND ACCEPTANCE OF ANY STATEMENT, APPROVAL OF DRAWINGS AND ACCEPTANCE OF ANY DRAWINGS, PROGRESS DOCUMENTS, STRUCTURAL REPORT, STRUCTURAL DRAWINGS, PROGRESS CERTIFICATE, COMPLETION CERTIFICATE, OCCUPANCY CERTIFICATES 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 OF B.P.S.P. (R.T.I. CL. NO. 1.3.5):–
NOTWITHSTANDING ANYTHING CONTAINED IN ANY PERMISSION GRANTED UNDER THE NOTIFIED REGULATIONS AND DEVELOPMENT PLAN, ANY PERSON UNDERTAKING ANY DEVELOPMENT WORK SHALL CONTINUE TO BE WHOLLY AND SOL

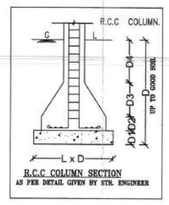

LAY-OUT PLAN
SCALE :-1CM=2.0 MT
18.00 MT. WIDE T.P.S. ROAD
COMMON PLOT
1595.89 SQMTR
SOCIETY COMMON AMENITY
7.50 MT. WIDE APPROACH
TOTAL LENGTH = 146.23 MT.
BLOCK-A
BLOCK-B
BLOCK-C
BLOCK-D
BLOCK-E
BLOCK-G
SPACE FOR TRANSFORMER
OTTA FOR ELECT. TRANSFORMER
KEY PLAN
SCALE :-1CM=20.0 MT
ADJ. F.P.:-74
ADJ. F.P.:-108
ADJ. F.P.:-71
ADJ. F.P.:-24/2
ADJ. F.P.:-73/1
SECTION D-D
ELEVATION
SECTION E-E
DRAINAGE SECTION-A-B
DRAINAGE SECTION-C-D
DRAINAGE SECTION-E-F
LIFT REQUIREMENT CALCULATION
COMMON PLOT AREA CALC.
BUILT UP & F.S.I. AREA CALC.
ESTIMATED TOTAL COST
SCHEDULE OF OPENING
LEGENDS:-
FIRE HYDRANT SYSTEM MAIN
SLUICE VALVE
SINGLE HANDED HYDRANT VALVE
TWO WAY STANDEAD
FIRE SERVICE INLET.
NON RETURN VALVE
REDUCER
FIRE HOSE BOX
HOSE REEL HOSE
D.C.P. & CO2
ARCHITECT
MAL P. AGRAWAL
ARCHITECT NO. A/R/22529/1020
COSULTING CIVIL ENGINEER
JOGHPUR OJAR RASTA,
BHILLWARA. R. Rajasthan
LICENCE No. 5/2009
RAMESH B. PARMAR
LICENCE No. ARR/25529/1020
601, PANCHRATNA APTS,
SIDDHARTH R. DESAI
STRUCTURAL DESIGNER
LIC. No. SC/5/-7/00022
Date of issue 21/09/2017
Ahmedabad-380 006.
Ahmedabad Municipal Corporation
Plan Approved per terms and conditions mentioned in the Commencement Certificate
Zone: SOUTH WEST
Date: 21/01/2019
Auth. Signatory
(B.P.S.R.)
T.D. Officer
(B.P.S.R.)
Auth. T.D.O.
(B.P.S.R.)
SCRUTINIZE COPY
T.D.O., B.P.S.P.M.C.
SCALE :- 1CM=2.0 MT
SITE PLAN
SCALE :- 1CM=2.0 MT
ELEVATION
SECTION D-D
SECTION E-E
ESTIMATED TOTAL COST
SCHEDULE OF OPENING
LEGENDS:-
COLOUR NOTE:-
STAIR DETAILS:-
HEIGHT OF MARGIN
COMMON PLOT AREA CALC.
BUILT UP & F.S.I. AREA CALC.

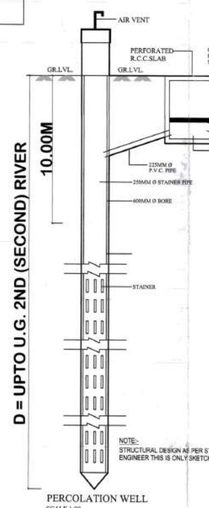












NOTE:-
STRUCTURAL DESIGN AS PER STRUCTURAL ENGINEER THIS IS ONLY SKETCH PLAN.

PERCOLATING WELL CALC:-
REQ. 1500 TO 4000 SMT= 1 NOS.
10137.00 / 4000.00 = 2.53 NOS.
SAY REQ. P.WELL = 3 NOS.
PROVI. P.WELL = 3 NOS.

LIFT REQUIREMENT CALCULATION

BLOCK.	NO. OF UNIT EXCLUDING G.F.+F.F.+S.F.	REQUIRED LIFT (8 PASSENGER)	PROVIDED LIFT
A	36	36 / 30 = 2 NOS	2 NOS OF 10 PASSENGER
B	36	36 / 30 = 2 NOS	2 NOS OF 10 PASSENGER
C	60	60 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
D	60	60 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
E	60	60 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
F	60	60 / 30 = 3 NOS	2 NOS OF 10 PASSENGER
G	60	60 / 30 = 3 NOS	2 NOS OF 10 PASSENGER

COMM. PLOT AREA CALC.
COMMON PLOT
(A) 1/2(15.88+15.88) X 79.89 = 1268.65 SQ.MT.
(B) 1/2(6.42+8.55) X 43.72 = 327.24 SQ.MT.
TOTAL = 1595.89 SQ.MT.

TREE PLANTATION CAL.:-
PLOT AREA = 10137.00 SQ.MT.
200.00 SQ. MT. = 5 NOS. TREE REQ.
10137.00 X 200 / 5 = 51 X 5 = 255
PROVIDE 255 NOS. TREE.

COMMON SANITORY ACCOMODATION CAL. COMMERCIAL
TOTAL CARPET AREA = 157.31 SQ.MT.
4.00 SQ.MT. / 1 PERSONS
157.31 / 4 = 39.32 PERSONS SAY 40.00 SAY 01
ASSUMING 20 MALE & FEMALE USER

REQUIRED	PROVIDED
URINAL – 01	URINAL – 01
MALE W.C. –01	MALE W.C. –01
FEMALE W.C. – 01	FEMALE W.C. – 01
	D.P. TOILET – 01

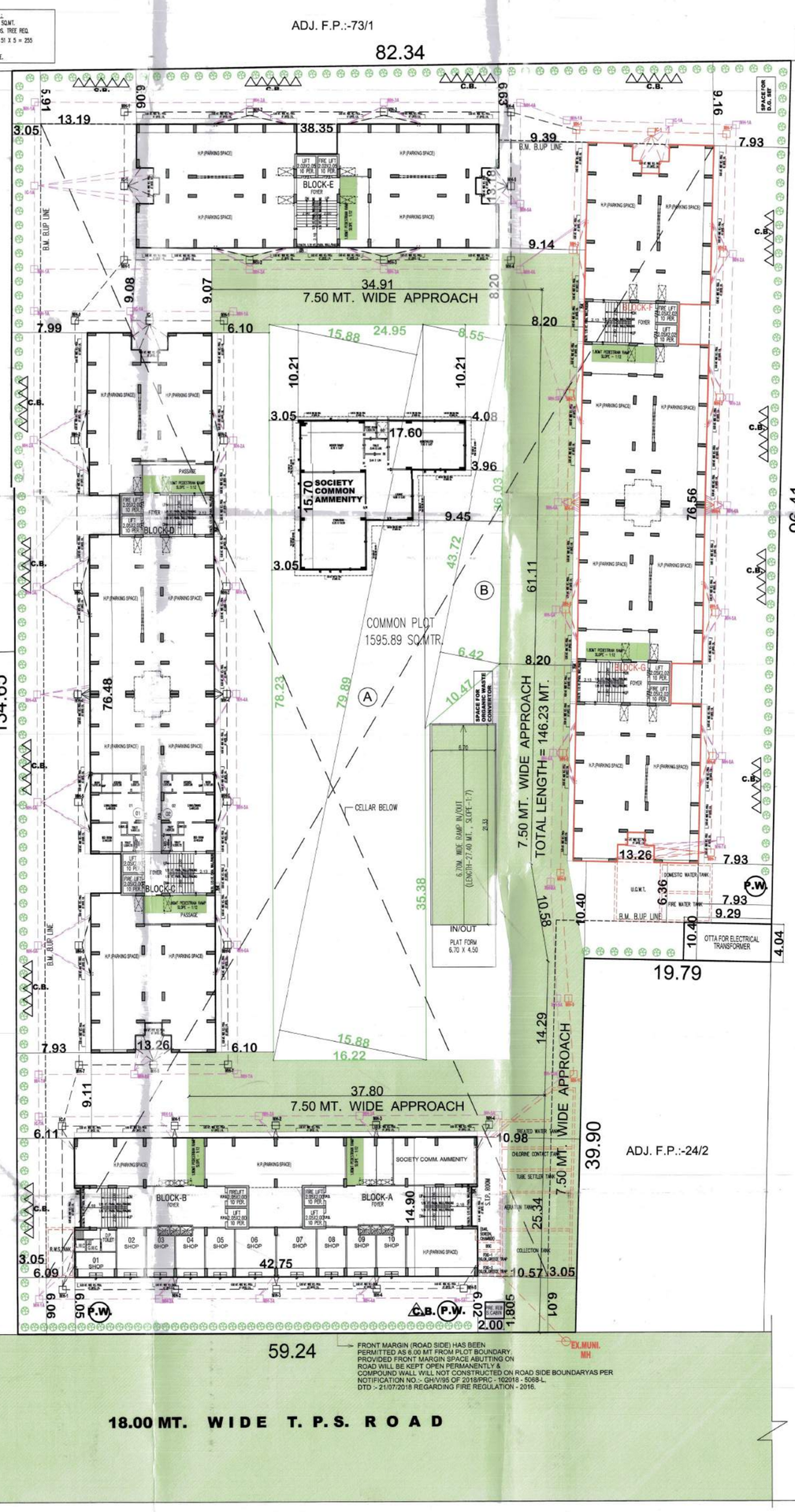
COMMUNITY BIN CALCULATION
COMMERCIAL
TOTAL FLOOR AREA OF COMMERCIAL = 182.50 SQ.MT.
FOR 100 SQ.MT. FLOOR AREA – 20 LIT. CAPACITY
FOR 182.50 SQ.MT. = (182.50 X 20)/100 = 36.50 LIT.
FOR 100 SQ.MT. FLOOR AREA – 20 LIT. CAPACITY

PROVIDED 1 COMMUNITY BIN OF 80 LIT. CAPACITY

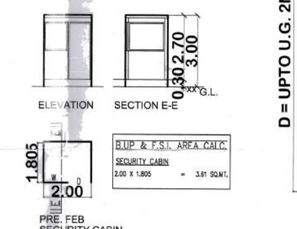
RESIDENCE
TOTAL NO. OF DWELLING UNITS = 570
FOR 1 DWELLING UNIT = 10 LIT. CAPACITY
FOR 570 UNIT = 570 X 10 = 5700 LIT.
NO. OF COMMUNITY BIN OF 80 LIT. CAPACITY = 5700/80 = 72 NOS.

PROVIDED 72 COMMUNITY BIN OF 80 LIT. CAPACITY.

- IT IS CERTIFIED THAT PLOT UNDER REFERENCE IS SURVEYED BY ME AND THE LENGTHS OF ALL SIDES OF PLOT AND PLOT AREA AS SHOWN IN PLAN ARE MEASURED BY ENGINEER (R 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 VERIFIED ME ON SITE AND PREMISES CAN GET DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO CGDCR-2017 ALL REQUIREMENTS OF THE BUILDING ARE CHECKED AND NECESSARY ACTIONS ARE TAKEN.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 3.3.3 OF THE CGDCR-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 CGDCR-2017.
- PEDESTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.1.5 OF CGDCR-2017.
- LIFT & FIRE LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.1.7 AND 22.8 OF CGDCR-2017.
- WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.6 OF CGDCR-2017.
- SEPARATE LETTER BOX IS PROVIDED AT GROUND LEVEL FOR EACH UNIT.
- WATER TANK FOR FIRE SAFETY REQUIREMENT PROVIDED AS PER CHAPTER NO. 22.25 OF CGDCR-2017.
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 21.11 OF CGDCR-2017.
- DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER THE CLAUSE NO. 21.6.7 OF CGDCR-2017.
- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 21.10 OF CGDCR-2017.
- SEPARATE OF THE PARKING PLACE IS TO BE PROVIDED AS PER THE CLAUSE NO. 21.7.7 OF THE CGDCR-2017.
- ENTRANCE OF THE BUILDING IS PROVIDED AS PER THE CLAUSE NO. 21.1.7 OF CGDCR-2017.
- THE PAVING OF BUILDING UNITS/PIL PLOT AS PER THE PROVISION OF THE CLAUSE NO. 21.1.4 OF CGDCR-2017.
- THE STRUCTURE OF THE BUILDING IS DESIGNED AS PER THE NORMS OF THE SPECIFIED IN INDIAN STANDARD AND TAKE 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 CGDCR-2017.
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 25.3 OF CGDCR-2017.
- GREY WATER RECYCLING SYSTEM & SOLAR PLUMBING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 25.4 OF CGDCR-2017.
- TREE PLANTATION IS PROVIDED AS PER THE CLAUSE NO. 25.5 OF CGDCR-2017.
- SOLAR WATER HEATING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 25.6 OF THE CGDCR-2017.
- POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO. 22 OF CGDCR-2017.
- FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER NO. 22 OF CGDCR-2017. & AS PER FIRE OPINION.
- FIRE SAFETY PROVISION SHALL BE MADE AS PER FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION-2010 AND FIRE PREVENTION AND LIFE SAFETY MEASURES ACT-2013.
- MAINTENANCE AND UPGRADATION OF BUILDING IS AS PER CHAPTER NO. 27 OF CGDCR-2017.
- WARDHA, SPACE & CELLAR SLAB SHALL HAVE LOAD BEARING CAPACITY OF 40,000 TONNES PER SQUARE METER SHALL BE PROVIDED AS PER CHAPTER NO. 22.3 OF CGDCR-2017.
- ROOF TOP SOLAR ENERGY INSTALLATION & GENERATION SHALL BE PROVIDED AS PER CLAUSE NO. 25.6.1 OF CGDCR-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 THE EACH FACADE WITH THE PROVISION OF SAFETY RAILING UP TO SILL LEVEL AS PER CGDCR CL. NO.-21.11 OF CGDCR-2017.
- WARDHA, SPACE ADJACENT TO BUILDING AND CELLAR SLAB SHALL BE OPEN TO SKY AND MAINTAINABLE WITH MINIMUM LOAD BEARING CAPACITY OF 40 TONNAGE PER SQUARE METERS.
- ELECTRIC DUCT SHALL BE PROVIDED WITH SEALED FIRE RATED DOORS AT EACH FLOOR LEVEL.
- BASEMENT SHALL BE VENTILATED ADEQUATELY ANY DEFICIENCY SHALL BE COMPENSATED BY USE OF MECHANICAL SYSTEM AS PER CL. NO. 21.4 AND 22.23 OF CGDCR-2017.

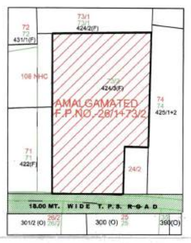


LAY-OUT PLAN
SCALE :-1CM=2.0 MT

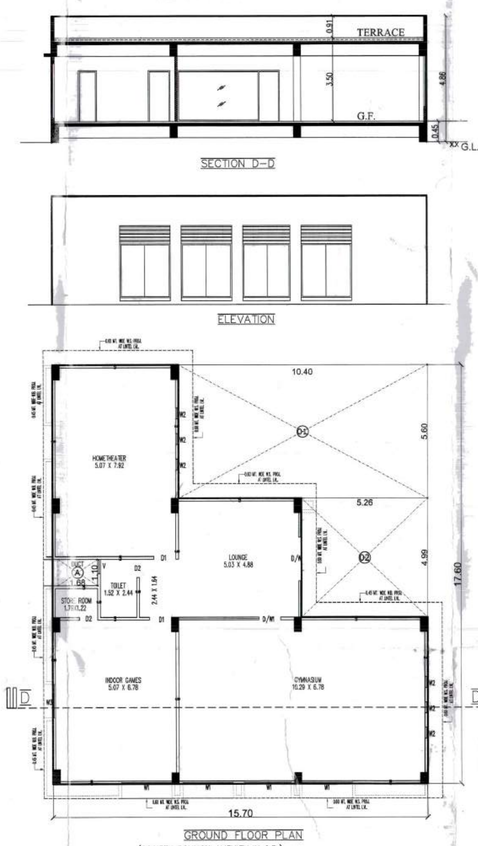


B.U.P. & F.S.I. AREA CALC.
SECURITY CABIN
2.00 X 1.805 = 3.61 SQ.MT.

B.A. FOR OTTA OF ELECT. TRANSFORMER
= 9.29 X 4.04 = 37.53 SQ.MT.



KEY PLAN
SCALE :-1CM=20.0 MT



GROUND FLOOR PLAN
(SOCIETY COMMON AMENITY IN C.P.)

COMM. PLOT AREA CALC.

COMMON PLOT		IN SQ. MTR.
COMMON PLOT AREA	=	1595.89
PERMI. B.A. IN C.P. 15%	=	239.38
PROV. B.A. IN C.P.	=	191.84
PROV. B.A. IN C.P. CALC.		
15.70 X 17.60	=	276.32
LESS		
(1) 10.40 X 5.60	=	58.24
(2) 5.26 X 4.99	=	26.24
TOTAL	=	84.48
NET B.UP. AREA GR. FLOOR	=	191.84

BUILT UP & F.S.I. AREA CAL(SOCIETY COMM. AMMENITY IN C.P.)

B.UP. AREA CALC. GR. FLOOR		IN SQ. MTR.
15.70 X 17.60	=	276.32
LESS		
(1) 10.40 X 5.60	=	58.24
(2) 5.26 X 4.99	=	26.24
TOTAL	=	84.48
NET B.UP. AREA GR. FLOOR	=	191.84

F.S.I. AREA CALC. GR. FLOOR		IN SQ. MTR.
NET B.UP. AREA ON G.F.	=	191.84
LESS		
(A) 1.68 X 1.10	=	1.84
NET F.S.I. AREA GR. FLOOR	=	190.00
LESS NOT COUNTED IN F.S.I. AREA UP TO 50.00 SQ.MT.	=	50.00
NET F.S.I. AREA GR. FLOOR - (190.00 - 50.00)	=	140.00

SCHEDULE OF OPENING

DOOR		WINDOWS/VENT	
D/W =	4.38 X 2.30	W1 =	2.11 X 2.30
D/W1 =	4.38 X 2.30	W2 =	0.48 X 2.30
D1 =	0.90 X 2.10	W3 =	1.40 X 2.30
D2 =	0.76 X 2.10	V =	0.60 X 0.60

BLOCK- F + G

LAY-OUT PLAN, SHEET NO:- 01/04

RESIDENTIAL AFFORDABLE HOUSING

PLAN SHOWING PROPOSED RESIDENCE
[AFFORDABLE HOUSING] BUILDING ON AMALGAMETED F.P. NO :- 26/1 & 73/2 OF T.P.S. NO : 88 (SARKHEJ-OKAF-FATEHWADI- SANATHAL) [DRAFT SANCTIONED] [R.S.NO: 301/1 OF MOUJE : OKAF & R.S.NO: 424/3 MOUJE: FATEHWADI], [C.P NO: 26/1, 73/2] , MOUJE : OKAF & FETHWADI,
TALUKA :- VEJALPUR DIST:- AHMEDABADAD

SCALE:-1CM = 2.00 MT.
ZONE:- COMMERCIAL:-C USE:- RESIDENTIAL (RAH)

AREA TABLE	IN SQ MTS
PLOT AREA	10137.00
REQ. COMMON PLOT @10%	1013.70
PROVI. COMMON PLOT	1595.89
PROP BUILT UP AREA ON GROUND FLOOR	3277.19

F.S.I. AREA TABLE	IN SQ MTS
PLOT AREA OF F.P.NO.	10137.00
PERMISIBLE F.S.I. 1:1.8 (10137.00 X 1.8)	18246.60
PERMI. CHARGEABLE F.S.I. AREA (10137.00 X 0.90)	9123.30
TOTAL PERMI.+CHARGEABLE F.S.I. AREA	27369.90
TOTAL USED F.S.I.	27369.60
CHARGABLE F.S.I. (27369.60 – 18246.60)	9123.00

PROP. B.UP AREA TABLE					IN SQ.MTR.
FLOOR	BLOCK-A+B	BLOCK-C+D	BLOCK-E	BLOCK-F+G	TOTAL
B.UP AREA ON 1ST BASEMENT	7956.48	-----	-----	-----	7956.48
B.UP AREA ON GROUND FLOOR (SOCIETY COMM. AMENITY)	191.84	-----	-----	-----	191.84
B.UP AREA ON GROUND FLOOR(SECURITY CABIN) (C.P.)	3.61	-----	-----	-----	3.61
B.UP AREA ON GROUND FLOOR(ELE. SUB STATION)	37.53	-----	-----	-----	37.53
B.UP AREA ON GROUND FLOOR(HOLLOW PLINTH)	403.71	875.42	475.77	968.68	2723.58
B.UP AREA ON GROUND FLOOR(SOLID PLINTH)COMMERCIAL	182.50	92.46	-----	-----	274.96
B.UP AREA ON GROUND FLOOR(SOLID PLINTH) SOCI.AMENITY	45.67	-----	-----	-----	45.67
B.UP AREA ON FIRST FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON SECOND FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON THIRD FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON FOURTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON FIFTH FLOOR	661.93	997.98	490.81	998.78	3149.50
B.UP AREA ON SIXTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON SEVENTH FLOOR	661.93	997.98	490.81	998.78	3149.50
B.UP AREA ON EIGHTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON NINTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON TENTH FLOOR	631.88	967.88	475.77	968.68	3044.21
B.UP AREA ON ELEVENTH FLOOR	661.93	997.98	490.81	998.78	3149.50
B.UP AREA ON TWELTH FLOOR	-----	967.88	475.77	968.68	2412.33
B.UP AREA ON STAIR CABIN	176.77	102.80	51.47	103.60	434.64
B.UP AREA ON L.M.R. & O.H.W.T.	104.05	84.60	42.66	85.32	316.63
TOTAL PROP. B.UP AREA	16142.99	12860.14	6324.26	12872.06	48199.45

EQ. TENA & FLOOR AREA TABLE												IN SQ. MTR.
FLOOR	USE	UNITS					FLOOR AREA					
		BL.–A+B	BL.–C+D	BL.–E	BL.–F+G	TOTAL	BLOCK–A+B	BLOCK–C+D	BLOCK–E	BLOCK–F+G	TOTAL
CELLAR–1	PARK.						-----	-----	-----	-----	-----
GROUND	SOC.C.AREA	---	---	---	---	---	140.00	-----	-----	-----	140.00
GROUND	PARKING+RESI.+SHOP+S.C.A.	10	02	---	12	24	229.45	92.46	-----	-----	321.91
FIRST	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
SECOND	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
THIRD	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
FOURTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
FIFTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
SIXTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
SEVENTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
EIGHTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
NINTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
TENTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
ELEVENTH	RESIDENCE	08	16	08	16	48	544.40	868.65	435.60	869.45	2718.10
TWELTH	RESIDENCE	---	16	08	16	40	-----	868.65	435.60	869.45	2173.70
TOTAL	RESIDENCE+S.C.AREA+SHOP+PARKING	10+88	194	96	192	10+370	6357.85	10516.26	5227.20	10433.40	32534.71

PROPOSED F.S.I. AREA TABLE					IN SQ. MTR.
FLOOR	BL.–A+B	BL.–C+D	BLOCK–E	BL.–F+G	TOTAL
GROUND FLOOR(SOCIETY COMM.AMENITY)	140.00	-----	-----	-----	140.00
GROUND FLOOR(SECURITY CABIN)	3.61	-----	-----	-----	3.61
G.F.(SOCIETY COMM. AMENITY)RESIDENCE	45.67	-----	-----	-----	45.67
GROUND FLOOR(COMMERCIAL)	182.50	-----	-----	-----	182.50
GROUND FLOOR (FLAT) RESIDENCE	-----	92.46	-----	-----	92.46
FIRST FLOOR	437.60	735.96	369.06	735.96	2278.58
SECOND FLOOR	437.60	735.96	369.06	735.96	2278.58
THIRD FLOOR	437.60	735.96	369.06	735.96	2278.58
FOURTH FLOOR	437.60	735.96	369.06	735.96	2278.58
FIFTH FLOOR	437.60	735.96	369.06	735.96	2278.58
SIXTH FLOOR	437.60	735.96	369.06	735.96	2278.58
SEVENTH FLOOR	437.60	735.96	369.06	735.96	2278.58
EIGHTH FLOOR	437.60	735.96	369.06	735.96	2278.58
NINTH FLOOR	437.60	735.96	369.06	735.96	2278.58
TENTH FLOOR	437.60	735.96	369.06	735.96	2278.58
ELEVENTH FLOOR	437.60	735.96	369.06	735.96	2278.58
TWELTH FLOOR	-----	735.96	369.06	735.96	1840.98
TOTAL	5185.38	8923.98	4428.72	8831.52	27369.60

1	PLOT AREA		10137.00
2	PERMISSIBLE FSI		18246.60
3	PERMISSIBLE CHARGEBLE FSI		9123.30
4	MAX. PERMISSIBLE F.S.I.(2+3)		27369.90
5	TOTAL USED F.S.I		27369.60
6	UTILISED CHARGEBLE F.S.I.(5-2)		9123.00
7	Max.PERMISSIBLE F.S.I COMMERCIAL		2730.96

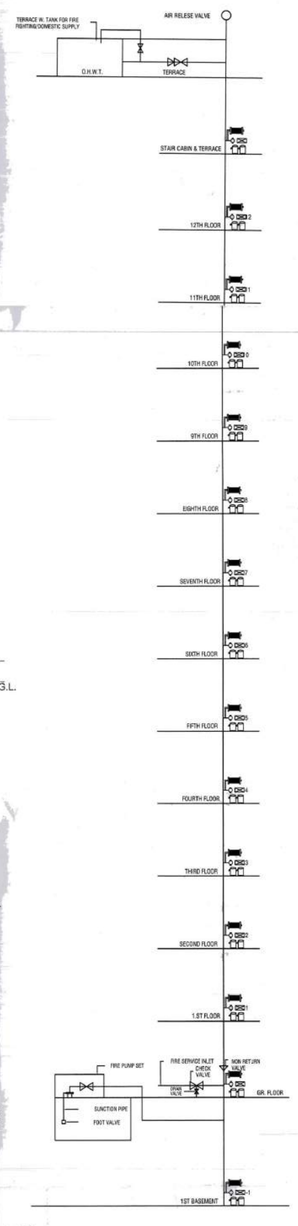
Block	Consume F.S.I			NO.OF COM. Unit	RESIDENTIAL Dwelling Unit UP 50 SQMT			RESIDENTIAL Dwelling Unit more then 50 sqmt and up to 66 sqmt			Dwelling Unit more then 66 sq.mt and up to 80 sq.mt			OTHER F.S.I			COMM. F.S.I	
	COMM/OTHER	RESI	Total		No of Unit	F.S.I AREA	% USED F.S.I	No. of Unit	F.S.I AREA	%OF USED F.S.I	No. of Unit	F.S.I AREA	%OF USED F.S.I	USED F.S.I	% OF USED F.S.I	USED F.S.I	%OF USED F.S.I
A+B	371.78	4813.60	5185.38	10	0	0.00	0.00	88	4813.60	92.83	0	0.00	0.00	189.28	0.69	182.50	3.52
C+D	0.00	8923.98	8923.98	0	194	8923.98	100.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
E	0.00	4428.72	4428.72	0	96	4428.72	100.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
F+G	0.00	8831.52	8831.52	0	192	8831.52	100.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	371.78	18166.30	27369.60	10	482	22184.22	81.05	88	4813.60	92.83	0	0.00	0.00	189.28	0.69	182.50	0.67

GRAND TOTAL DETAIL				
Sr No	Dwelling Unite Type	No of Unit	Used F.S.I	% USED F.S.I	Chargable F.S.I
A	COMMERCIAL UNIT	10	182.50	0.67	60.83
B	UP 50 Sqmt	482	22184.22	81.05	7394.58
C	more then 50 and up to 66	88	4813.60	100.00	3604.50
D	more then 66 and up to 80	0	0.00	0.00	0.00
E	With A/F, F.S.I (40% Sale)	0	189.28	0.69	63.09
	Grand Total	580	27369.60	100.00	9123.00

HEIGHT OF MARGIN IN MTR.
15.00 MT. HEIGHT
REAR & SIDE = 6.00 MT MARGIN REQ.
18.00 MT ROAD SIDE = 6.00 MT MARGIN REQ.
TRON C.P. = 6.00 MT MARGIN REQ.
STAIR = 2.13 , 0.30 , 0.16

COLOUR NOTE:-
PLOT BOUNDRY
ROAD / MARGIN
OPEN WELL
RAIN WATER HARVESTING PIT
TREE
DRAINAGE LINE
PUBLIC

STAIR DETAILS:-
WIDTH :- 2.13 MTR.
TREAD :- 0.30 MTR.
RISE :- 0.16 MTR.



1. HYDRANT 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 point 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 premises 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.

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-wells 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 at 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 (ULTP) 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 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 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 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 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 IDIVIDUAL 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 / Drench or etc.) as per Fire load / Firerick / Public gathering. Potential / Occupancy / Confined area, those additional measures / equipment have to be implemented / installed.

LEGENDS:-

	FIRE HYDRANT SYSTEM PIPE MAIN		REDUCER
	SLUICE VALVE		FIRE HOSE BOX.
	SINGLE HANDED HYDRANT VALVE		HOSE REEL HOSE.
	TWO WAY STAMESE/ FIRE SERVICE INLET.		D.C.P. & CO2
	NON RETURN VALVE.		

NOTE:- THIS PERMISSION IS GRANTED WITH CONDITION THAT APPLICANT WILL ABIDE BY THE CONDITIONS MENTIONED IN THE DEVELOPMENT PERMISSION GRANTED BY AMC FOR ALL SCHEMES AND APPROVED PLAN.
THIS PERMISSION IS GIVEN ACCORDING TO MUNICIPAL COMMISSIONER OFFICE NOTE NO. 1/1/1/