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 servise 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

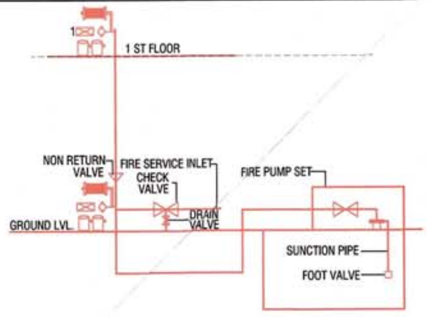
FIRE SEFTY SYSTEM SHOULD BE PROVIDED IN IDIVDUAL SHOW ROOM BY OWNER

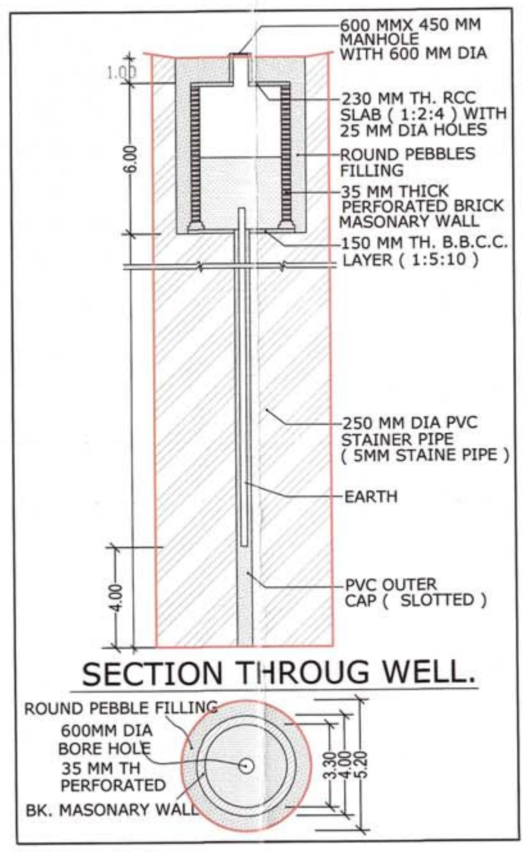
IMPORTANT INSTRUCTIONS:

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.

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





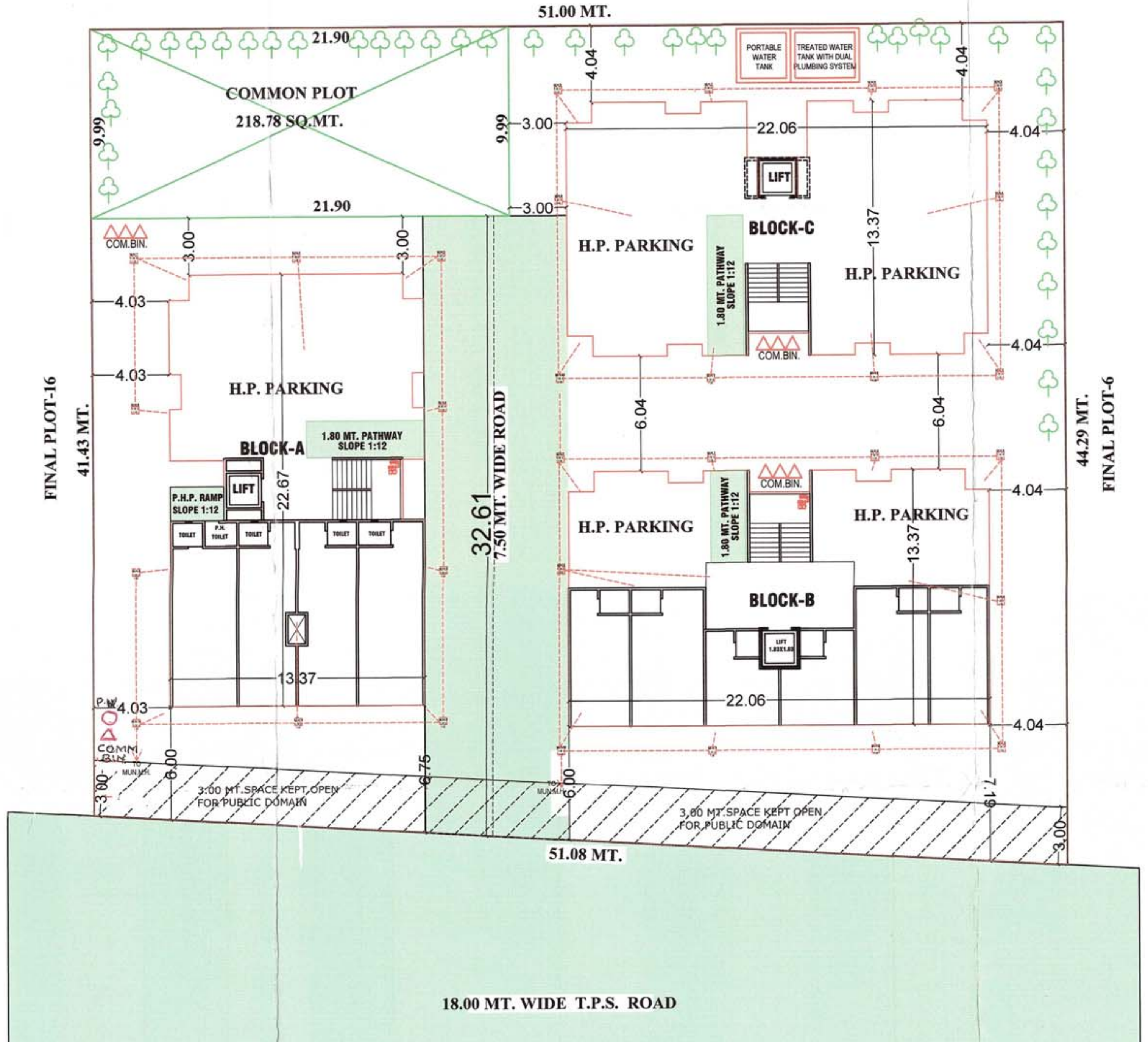
SECTION THROUG WELL.

1	PLOT AREA	2185.00
2	PERMISSIBLE FSI	2622.00
3	PERMISSIBLE CHARGEBLE FSI	1311.00
4	MAX. PERMISSIBLE F.S.I. (2+3)	3933.00
5	TOTAL UTILISED F.S.I	3907.35
6	UTILISED CHARGEBLE F.S.I. (5-2)	1285.35
7	MAX. PERMISSIBLE F.S.I. COMMERCIAL	390.74
8	CHARGEBLE F.S.I. COMMERCIAL	5.60
9	CHARGEBLE F.S.I. RESIDENTIAL	1279.75

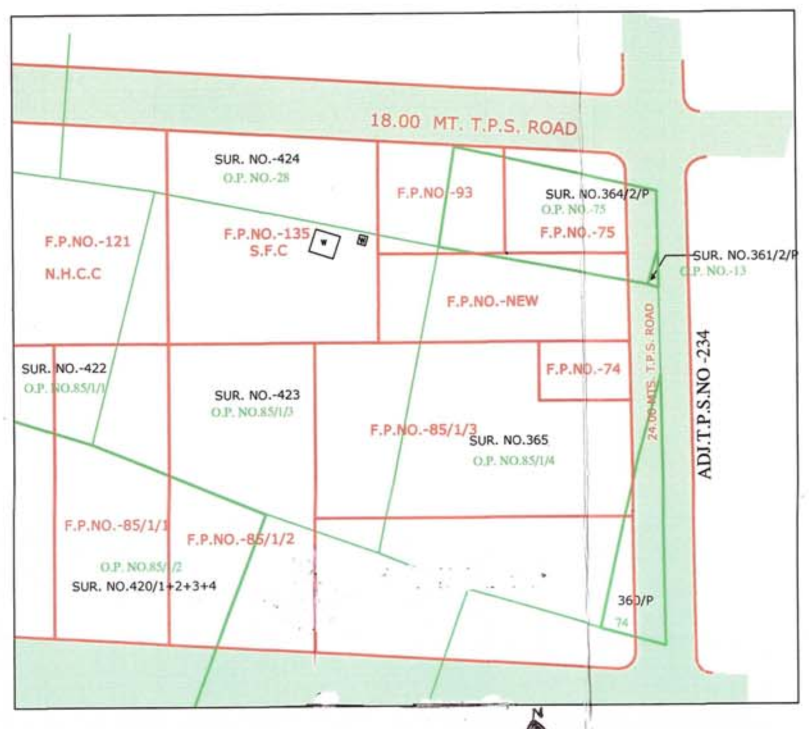
BLOCK	CONSUME F.S.I.			Prop. Charg. F.s.i. comm	Prop. Charg. F.s.i. Resi	PROP. CHARG. F.S.I.	No. Of Com. Unit	RESIDENTIAL Dwelling Unit Up 50 sq.mt				RESIDENTIAL Dwelling Unit more then 50 sq.mt and up to 66 sq.mt				Dwelling Unit more then 66 sq.mt and up to 80 sq.mt				OTHER F.S.I,		
	COMM	RESI	TOTAL					No. Of Unit	F.S.I. AREA	% USED F.S.I.	Charg. F.S.I.	No. Of Unit	F.S.I. AREA	% OF USED F.S.I.	Charg. F.S.I.	No. Of Unit	F.S.I. AREA	% OF USED F.S.I.	Charg. F.S.I.	USED F.S.I.	% OF USED F.S.I.	Charg. F.S.I.
A	128.97	1239.55	1368.52	2.69691	435.85	438.55	4	0	0.00	0.00	0.00	20	1239.55	100.00	435.85	0	0.00	0.00	0.00	0.00	0.00	0.00
B	138.83	1200.00	1338.83	2.90309	421.95	424.85	6	0	0.00	0.00	0.00	20	1200.00	100.00	421.95	0	0.00	0.00	0.00	0.00	0.00	0.00
C	0	1200.00	1200.00	0	421.95	421.95	0	0	0.00	0.00	0.00	20	1200.00	100.00	421.95	0	0.00	0.00	0.00	0	0.00	0.00
	0	0.00	0.00	0	0.00	0.00	0	0	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0.00	0.00	0	0.00	0.00	0	0	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0.00	0.00	0	0.00	0.00	0	0	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0.00	0	0	0.00	0.00	0	0	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0.00	0	0	0.00	0.00	0	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	267.80	3639.55	3907.35	5.60	1279.75	1285.35	10	0	0.00		0.00	60	3639.55		1279.75	0	0.00		0.00	0.00		0.00

Sr. No	Dwelling Unite Type	NO. OF Unit	Used F.S.I.	% USED F.S.I.	Chargeble F.S.I.
A	COMMERCIAL UNIT	10	267.8	6.85	5.60
B	Up 50 sq.mt	0	0	0.00	0.00
C	more then 50 and up to 66	60	3639.55	93.15	1279.75
D	more then 66 and up to 80	0	0	0.00	0.00
E	With. Aff. F.S.I. (40% slab)	0	0	0.00	0.00
Grand Total		70	3907.35	100.00	1285.35

BLOCK		COMMERCIAL		UP TO 50 SQ.MT.		50 TO 66 SQ.MT.		66 TO 80 SQ.MT.	
		AREA	UNIT	AREA	UNIT	AREA	UNIT	AREA	UNIT
A+B+C+D	FSI ON PAYMENT	267.80	10	----	----	3667.25	60	----	---
	FSI ON T.D.R	----	----	----	----	----	---	----	---
TOTAL		267.80				3667.25	60	----	---



SITE PLAN
SCALE 1CM=2.0 MT.



KEY PLAN
SCALE:-1CM=20.0 MT

BUILT UP AREA TABLE

	BLOCK-A	BLOCK-B	BLOCK-C	TOTAL
B. AREA ON GROUND (H.P.)	151.37	131.08	271.84	554.29
B. AREA ON GROUND (S.P.)	128.97	138.83	------	267.80
B. AREA ON 1 ST FLOOR	280.34	271.84	271.84	824.02
B. AREA ON 2 ND FLOOR	280.34	271.84	271.84	824.02
B. AREA ON 3 RD FLOOR	280.34	271.84	271.84	824.02
B. AREA ON 4 TH FLOOR	280.34	271.84	281.84	824.02
B. AREA ON 5 TH FLOOR	280.34	271.84	271.84	824.02
B. AREA ON STAIR CABIN.	33.61	28.50	28.50	90.61
B. AREA ON O.H.W.T	22.36	22.36	22.36	67.08
B. AREA TOTAL	1738.01	1681.90	1681.90	5099.88

F.S.I. AREA TABLE BLOCK (SQ. MTS.)

PLOT AREA OF F.P.NO. 32				2185.00
PERMI.F.S.I.@ 1 : 1.2				2622.00
	BLOCK-A	BLOCK-B	BLOCK-C	TOTAL
F.S.I. ON GROUND (H.P.)	-----	-----	-----	TOTAL
F.S.I. ON GROUND (S.P.)	128.97	138.83	-----	267.80
F.S.I. ON 1 ST FLOOR	247.91	240.00	240.00	727.91
F.S.I. ON 2 ND FLOOR	247.91	240.00	240.00	727.91
F.S.I. ON 3 RD FLOOR	247.91	240.00	240.00	727.91
F.S.I. ON 4 TH FLOOR	247.91	240.00	240.00	727.91
F.S.I. ON 5 TH FLOOR	247.91	240.00	240.00	727.91
TOTAL F.S.I. AREA	1368.52	1338.83	1200.00	3907.35

PERMI. PAY F.S.I @ 60 % OF (2185.00)	1311.00
PAY F.S.I AREA ON 4 TH FL. (A+B+C)	727.91
PAY F.S.I AREA ON 5TH FL.	557.44
TOTAL PAY F.S.I. AREA	1285.35

FLOOR AREA TABLE

FLOOR	USE	TENAMENT				FLOOR AREA (SQ. MTS)			
	A+B+C	A	B	C	TOTAL	BLOCK-A	BLOCK-B	BLOCK-C	TOTAL
GROUND (H.P.)	PARKING	- - -	- - -	- - -		- - -	- - -		
GROUND (S.P.)	SHOP	4	6	---	10	128.97	138.83	-----	267.80
1 ST	RESI.	4	4	4	12	247.91	240.00	240.00	727.91
2 ND	RESI.	4	4	4	12	247.91	240.00	240.00	727.91
3 RD	RESI.	4	4	4	12	247.91	240.00	224.00	727.91
4 TH	RESI.	4	4	4	12	247.91	224.00	224.00	727.91
5 TH	RESI.	4	4	4	12	247.91	240.00	224.00	727.91
TOTAL	SHOP+RESI.	4+20	6+20	20	10+60	1368.52	1338.83	1200.00	3907.35

LIFT REQ. TABLE :-
1-LIFT REQ./TOTAL 30 UNIT (ABOVE G.F. ,FIR. FL. 2ND FL.)
BLOCK -A =12 UNIT/REQ. LIFT -1
BLOCK -B =12 UNIT/REQ. LIFT -1
BLOCK -C =12 UNIT/REQ. LIFT -1

COMMERCIAL AREA TABLE :-
BLOCK-A+ BLOCK-B
G. FLOOR= 128.97 + 138.83=267.80

COMMON PLOT AREA CALC :-
21.90 X 9.99 = 218.78 SQ.MT.

REQD. PERCOLATING WELL
PLOT AREA :- 1500 T0 4000 SQ. MTS.
1 PERCOLATING WELL
PLOT AREA = 2185.00 SQ. MTS.
2185.00 / 4000.00 = 0.54 SQ. MTS.
PROVI. 1 PERCO. WELL.

REQD. TREE PLANTETION
PLOT AREA :- = 2185.00 SQ. MTS.
200 SQ. MTS. / 3 TREE
2185.00 = 32.77 TREE SAY 33 TREES
PROVI. 33 TREES

REQD. COMMUNITY BIN CALC.
NON RESI. USE :-
FLOOR AREA (BLOCK A+B) = 267.80 SQ. MT.
100 SQ. MTS FL. AREA / 20 LTS.
267.80 SQ. MTS / 53.56 LTS.
53.56 / 80 = 0.67 SAY 1 NOS. CONTAINER
PROVI. 80 LTS. (80 X 1) COMM. BIN
RESI. UNITS :- 60 UNITS
1 UNITS / 10 LTS.
60 UNITS / 660 LTS.
660 / 80 = 8.25 SAY 9 NOS. CONTAINER
PROVI. 720 LTS. (80 X 9) COMM. BIN
TOTAL PROVI. 800.00 LTS. (80 X 10)

CERTIFICATE

Certified that the plot under reference was surveyed by me on .... and the dimennsion of sides etc. of plot state on plan are as measure on site and the area so worked out tallies with the area statad in document of ownership/ T.P. record

Architect/ Engineer signature

ENGINEER NOTE
ENGINEER IS FULLY RESPONSIBLE FOR LEAVING MARGINAL , OPEN SPACE AND ROAD LINE PORTON

GENERAL NOTES
- 0.10 Ø MT C.I.P WITH VP SHALL BE PROVI FOR W.C & TOILET.
- 0.07 Ø MT C.I.P WITH VP SHALL BE PROVI FOR BATH & KITCHEN.
- ALL BALCONY & TERRACE PARAPAT WALL AREA 1.15 MT IN HT
- LIFT CAPACITY OF 6 PERSON.
- LIFT WALL SHALL BE 0.15 MT. TH. R.C.C. WALL
- DISCHARGE OF RAIN WATER PIPE PROVI ON TERR LVL TO G.F
- ALL DIMENSIONS ARE IN METRE.
- ALL EXTERNAL WALLS ARE AS PER NBC & IS SPECIFICATION
- THE SIZE OF ALL R.C.C. COLUMNS ARE AS PER STRL. DETAILS.

SHEET NO :- 1 / 5

(RESIDENCIAL AFFORDABLE HOUSING) LAY OUT PLAN SHOWING PROP. RESI. + COMM. BUILDING ON F.P.NO.:- 93 , R. SUR NO :- 425/1 , O. P. NO:- 93 , DRAFT T. P. S. NO : 72 (ZUNDAL), VILLAGE :- ZUNDAL, TAL. & DIST:- GANDHINAGAR,

SCALE :- 1.00 CM = 2.00 MT.

ZONE : RESI. II | USE : COMM. + RESI.

AREA TABLE	SQ. MTS.
PLOT AREA OF F.P. NO. :- 93	2185.00
REQD. COMMON PLOT AREA @ 0.08% OF 2185.00	174.80
PROVIDED COMMON PLOT AREA	218.78

F.S.I. AREA TABLE	SQ. MTS.
PLOT AREA OF F.P. NO. :- 93	2185.00
PERMI. F.S.I. AREA 1 : 1.2	2622.00
PERMI. PAYMENT F.S.I. 0.60 % OF 2185.00	1311.00
TOTAL PERMI. F.S.I. AREA	3933.00
TOTAL PROP. F.S.I. AREA ON BLOCK :- A+B+C	= 3907.35 SQ. MTS.
BALANCE F.S.I. AREA	= 25.65 SQ.MTS.

PAYMENT F. S. I. AREA TABLE	SQ. MTS.
PERMI. PAYMENT F.S.I. 0.60 % OF 2185.00	1311.00
PAYMENT F.S.I. USED (3907.35- 2622.00)	1285.35

COLOUR NOTE :
PROP. WORK — ROAD — COM.BIN.
PROP. DRAINAGE — F.P. BOUNDRY — TREE — P.W.

For, SAKAT INFRASTRUCTURE
PARTNER
DEVELOPER

OWNER

Hatesh A. Shah B.E.(Civil)
35, Veernagar Co-op. Hou. Soc. Ltd.
Bhimjipura, AHMEDABAD-380013.
AUDA REG. NO. AUDA/COW-1/651
C.O.W.

PRASHANT J. SHAH
CIVIL ENGINEERS
5th Floor, Vrundavan Enclave,
B/h. A.E.C. Zonal Office,
Naranpura, Ahmedabad-13.
Regl. No. AUDA/ENGG/258
ENGINEER

A. J. Parikh
ACHAL J. PARIKH
609/A, Harekrishna Complex,
Ellisbridge, Ahmedabad-6.
AUDA/SD-1/183,
STR. ENGINEER

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

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

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

APPROVED
As amanded by ....
(Colour) Subject to the condition as mentioned in this office Letter
No. 60/3/2015 Dated 7 NOV 2015
Note Approved by Chairman
DISPATCH BY
Assistant Town Planner
Ahmedabad Urban Development Authority
Ahmedabad.
596
Senior Town Planner
Ahmedabad Urban Development Authority
Ahmedabad.

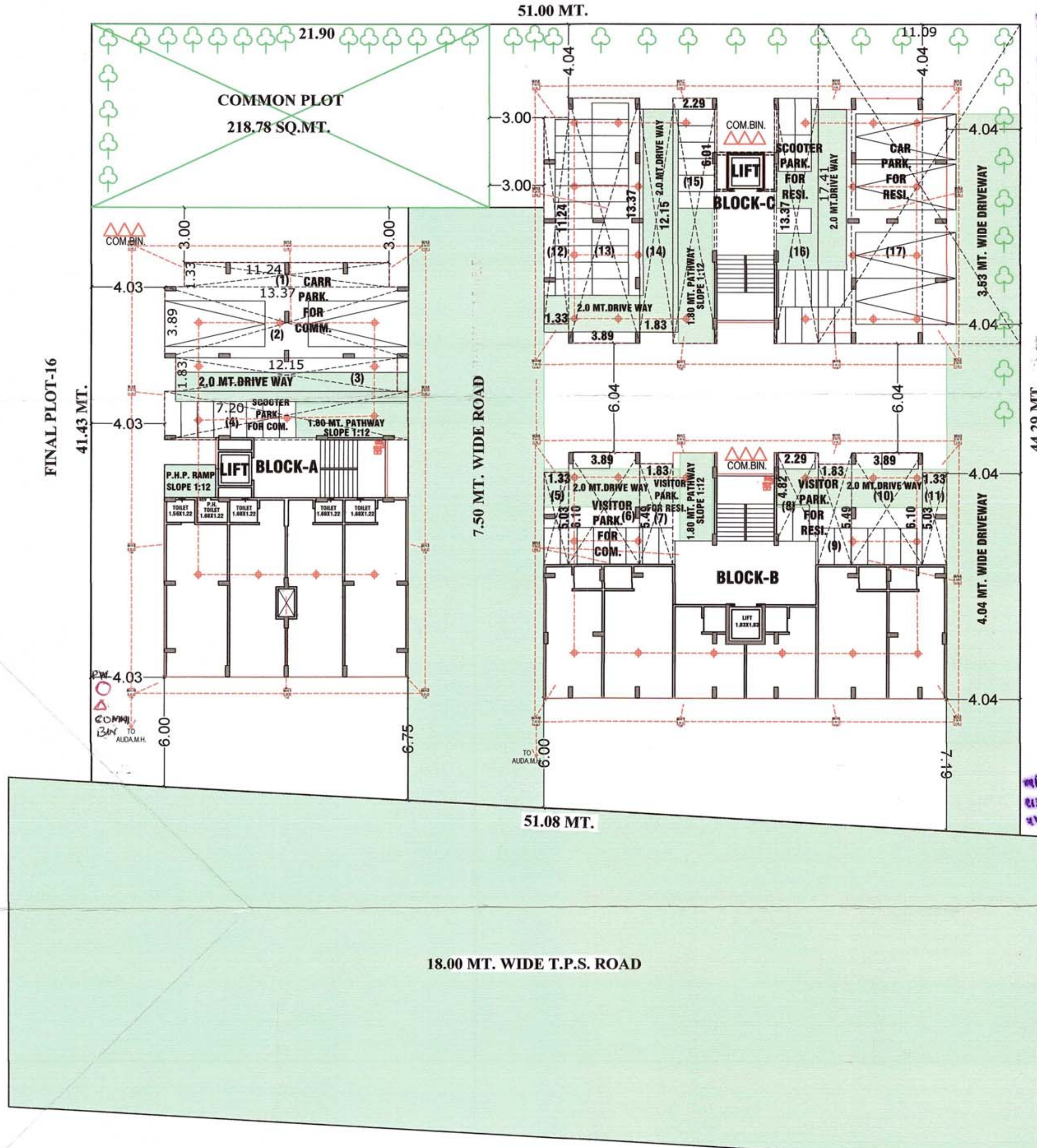
AUTHORITY

PARKING AREA TABLE

USED F.S.I AREA OF BLOCK : A+B+C+D
COMM. = 267.80 SQ. MT.
REQ PARKING AREA @ 50 % = 133.90 SQ. MT.

USED F.S.I ON RESI. 3907.45 - 267.80 = 3639.65 SQ. MT.
REQ PARK. @ 10 % = 366.96 SQ. MT.

	COMM.	COMM. (BLK-A+B)	RESI.	RESIDENCE (BLK-A+B+C)	TOTAL
VEHICAL	REQ. AREA	PROVI. PARK. (IN O.S.)	REQ. AREA	PROVI. (IN H.P.) SQ.MTS.	SQ.MTS.
CAR PARKING AREA	66.95 (50%)	(1) 11.24 X 1.33 = 14.94 (2) 13.37 X 3.89 = 52.00 TOTAL = 66.94 SQ.MT.	181.98 (50%)	(18) 11.09 X 17.41 = 193.07	193.07
SCOOTER PARKING AREA	40.17 (30%)	(3) 12.15 X 1.83 = 22.23 (4) 7.20 X 2.71 = 19.51 TOTAL = 41.74	145.58 (40%)	(10) 3.89 X 6.10 = 23.72 (12) 1.33 X 11.24 = 14.94 (14) 3.89 X 13.37 = 52.00 (15) 1.83 X 12.15 = 22.23 (16) 2.29 X 6.01 = 13.76 (17) 2.29 X 13.37 = 30.61 TOTAL = 157.26 SQ.MT.	157.26
VISITOR'S PARKING	26.78 (20%)	(5) 1.33 X 5.03 = 6.68 (6) 3.89 X 6.10 = 23.72 TOTAL = 30.40	36.69 (10%)	(7) 1.83 X 5.49 = 10.04 (8) 2.29 X 4.82 = 11.03 (9) 1.83 X 5.49 = 10.04 (10) 3.89 X 6.10 = 23.72 (11) 1.33 X 5.03 = 7.68 TOTAL = 62.51 SQ.MT.	62.51
TOTAL	133.90	139.08	366.52	412.84	412.84



SITE(PARKING) PLAN
SCALE 1CM=2.0 MT.

SHEET NO :- 2 / 5

**(RESIDENCIAL AFFORDABLE HOUSING)
PARKING PLAN SHOWING PROP. RESI. + COMM.
BUILDING ON F.P.NO.:- 93 , R. SUR NO :- 425/1 ,
O. P. NO:- 93 , DRAFT T. P. S. NO : 72 (ZUNDAL),
VILLAGE :- ZUNDAL, TAL. & DIST:- GANDHINAGAR.**

SCALE :- 1.00 CM = 2.00 MT.

BLOCK NO :- A+B+C

ZONE : RESI. II

USE : COMM. + RESI.

COLOUR NOTE :
- PROP. PARK
- PROP. DRAINAGE
- ROAD/DRIVEWAY
- F.P. BOUNDRY
- COM.BIN.
- TREE
- P.W.

For, SAKAT INFRASTRUCTURE
PARTNER

DEVELOPER

OWNER

Hitesh A. Shah B.E.(Civil)
AUDA REG. NO. AUDA/COW-1/651

C.O.W.

PRASHANT J. SHAH
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STR. ENGINEER

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

APPROVED
As amanded by ....
(Colour) Subject to the condition as mentioned in this office Letter No. 60/9/2015. Dated 27-NOV-2015
Note Approved by Chairman

DISPATCH BY
No 596

Assistant Town Planner
Ahmedabad Urban Development Authority
Ahmedabad.

Senior Town Planner
Ahmedabad Urban Development Authority
Ahmedabad.

AUTHORITY