NOTES RELATED TO FIRE SAFETY:-

(1) HYDRANT SYSTEM :
ON/OFF SWITCHES LOCATED NEAR THE HOSE REEL HOSE OR HYDRANT OUTLET, AT EACH FLOOR FOR THE MAIN FIRE-PUMP AT
UNDERGROUND WATER TANK WITH A CAPACITY TO DISCHARGE 900 LITERS PER MINUTE AT 3 BAR PRESSURE AS MEASURED AT THE TERRACE LEVEL SHOULD BE INSTALLED.
THE RISER FOR THE BUILDINGS EXCEEDING 18 MITERS HEIGHT SHOULD NOT BE OF LESS THAN 100 MM. INTERNAL DIAMETER.
THE RISER SHOULD BE CONNECTED TO THE BOTTOM OF THE TERRACE TANK WITH A STOP VALVE AND A NRV TO ACT A DOWN-COMER.
ONE RISER IS REQUIRED FOR EVERY 1000 SQ. METERS FLOOR AREA AND IF THE BUILDING IS DIVIDED INTO, TWO OR MORE PARTS THEN EACH PART SHOULD HAVE A SEPARATE RISER WITH ALL THE FITTINGS AT EACH FLOOR LEVEL.
EACH FLOOR SHOULD HAVE ONE HYDRANT OUTLET WITH A COUPLING FOR ATTACHING A 63 MM. DIA . HOSE . 25 MM. BORE HOSE- REEL HOSE WITH 8 MM. SHUT- OFF NOZZLE AT EACH FLOOR LANDING. THE LENGTH OF THE HOSE SHOULD BE ENOUGH TO REACH THE FARTHEST CORNER OR THE FLOOR. HOSE-BOX WITH 15 METERS LONG 63 MM. DIA. HOSE AND 12.5 MM. BORE NOZZLE AT ALTERNATE FLOORS. THE HOSE-REEL HOSE SHOULD BE COUPLED TO THE RISER.
FIRE - SERVICE INLET SHOULD BE INSTALLED AT A POINT NEAR THE ENTRY TO THE PERMISES WHERE A FIRE SERVICE VEHICLE CAN APPROACH EASILY.
A PERMANENT HYDRANT POINT COMPRISING OF 63 MM DIA SIZE 2 NOS OF HYDRANT VALVES SHOULD BE INSTALLED AT THE TERRACE LEVEL.
OVERHEAD TANK REFILLING BYPASS CONNECTION SHOULD BE DONE AT THE TERRACE LEVEL.
THE OVERHEAD TANK SHALL BE OF A CAPACITY OF NOT LESS THAN 20,000 LITERS. THE UNDERGROUND TANK SHALL BE OF NOT LESS THAN 1,00,000 LITERS.

(2) FIRE LIFT :
THE FIRE-LIFT AND ALL LIFTS SHOULD HAVE A PROVISION TO GROUND TO AUTOMATICALLY IN CASE OF ELECTRICITY FAILURE . EACH BUILDING SHOULD HAVE AT LEAST ONE LIFT AS A FIRE -LIFT AND IF THE BUILDING IS DIVIDED INTO A MORE PARTS THEN EACH PART SHOULD HAVE A FIRE-LIFT. LIFT-WELL SHOULD HAVE BLOWERS TO PRESSURIZE THE LIFT -WELL SO CONNECTED THAT IT WILL AUTOMATICALLY OPERATE WHEN ALARM CALL POINT IS OPERATE, SO THAT IF PREVENTS THE LIFT WELL GETTING SMOKE LOGGED.

(3) FIRE ALARM:
FIRE ALARM CALL POINT TO BE INSTALLED AT EACH FLOOR WITH SOUNDERS CAPABLE OF BEING HEARD ALL THROUGHOUT THE BUILDING .

(4) FIRE EXTINGUISHERS :
ONE CARBON DIOXIDE (CO_2) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK. AND ONE EXTINGUISHER OF 5 KG. DRY CHEMICAL POWDER (DCP) TYPE EXTINGUISHER WITH ISI MARK TO INSTALLED ON EACH FLOOR IN CASE OF COMMERCIAL BUILDING .
ONE CARBON DIOXIDE (CO_2) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK. OR TWO CARBON DIOXIDE (CO_2) TYPE EXTINGUISHER OF 2 KG. CAPACITY ON EACH FLOOR AND 5 KG. DRY CHEMICAL POWDER (DCP) WITH ISI MARK TYPE EXTINGUISHER ON ALTERNATE FLOOR IN CASE OF RESIDENTIAL BUILDINGS.
IF THE BUILDING IS DIVIDED INTO TWO OR MORE PARTS THEN EACH PART SHOULD HAVE THESE EXTINGUISHERS INSTALLED.

(5) STAIRCASE :
THE STAIRCASE HAS TO BE OPEN FROM AT LEAST ONE OR TWO SIDES BUT IF THE STAIRCASE IS IN THE CENTRE CORE OF THE BUILDING IT HAS TO BE PRESSURIZED TO PREVENT IT FROM GETTING SMOKE LOGGED.
THE RISER / DOWN - COMER SHOULD BE LOCATED IN THE STAIRCASE OR CLOSE TO IN TO MAKE IT EASILY APPROACHABLE IN CASE OF FIRE FROM THE FLOOR BELOW OR ABOVE.

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

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

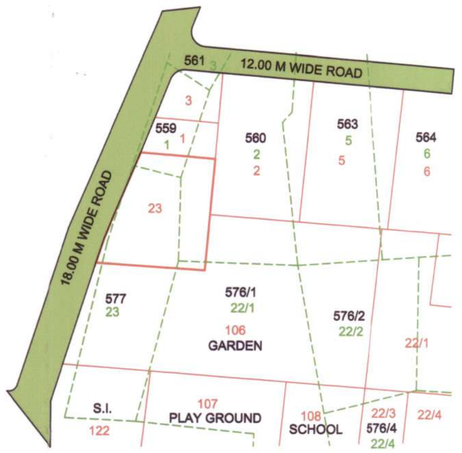
(8) PHOTO LUMINESCENT (AUTO GLOW) SIGNAGE'S:
IF THE BUILDING FALLS IN A CONFINED AREA OR IF IT HAS AN ENCLOSED STAIRCASE OR IS NOT WELL LIT-UP ON THE INSIDE, THEN ADEQUATE PHOTO LUMINESCENT (AUTO GLOW) SIGNAGE'S SHOULD BE DISPLAYED AT EACH FLOOR / LANDING / PATHWY / DEAD-END AND ALONG ALL EXIT ROUTES LANDING TO THE GROUND LEVEL. THE SIGNAGE SHOULD INDICATE FIRE FIGHTING, FIRE SAFETY, FIRST-AID AND OTHER SAFETY EQUIPEMENT 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 THE TIME OF FIRE.

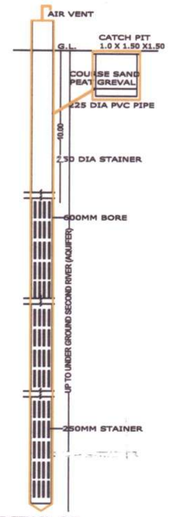
(10) IMPORTANT INSTRUCTIONS :
AFTER INSPECTION OF A LOW-RISE BUILDING BY THE FIRE SERVICES AUTHORITY , IF THE FIRE OFFICER CONCERNED FEELS THE NEED FOR ADDITIONAL FIRE PREVENTION / PROTECTION / VENTILATION SYSTEM REQUIRED OR EQUIPEMENT (I.E. PASSIVE SYSTEM / SPRIKLER / DRENCHER ETC.) AS PER FIRE LOAD / FIRE RISK / PUBLIC GETHERING. POTENTIAL / OCCUPANCY / CONFINED AREA, THOSE ADDITIONAL MEASURES / EQUIPEMENT HAVE TO BE IMPLEMENTED / INSTALLED.
*FIRE SAFETY PROVISION SHALL BE PROVIDED AS PER AMC FIRE & EMERGENCY SERVICES DEPT. LETTER NO.- ____, DTD.- __-__-2017.

NOTES

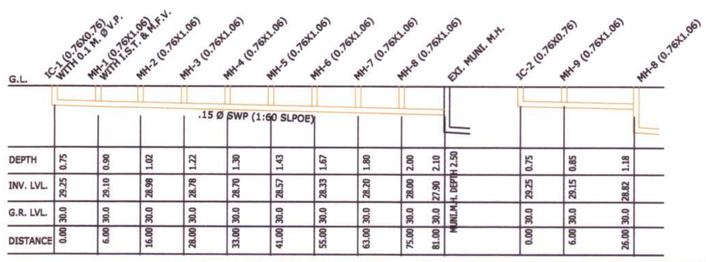
* ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE & MARGIN.
* THE DEPTH & POSITION OF EXI. M.H. IS CHECKED & VERIFIED BY ME. THE PREMISES CAN GET CONNECTION AS PER PLAN.
* IT IS CERTIFY THAT ACCORDING TO G.D.C.R. 2021 ALL REQUIREMENTS OF THE BUILDING ARE CHECKED AND NECESSARY ACTION ARE TAKEN.
* IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 4.5.3 OF THE G.D.C.R. 2021, THE STRUCTURE OF THE BUILDING AS PER THE NORMS OF THE INDIAN STANDARDS.
* DESIGN OF STAIRCASE AND RAILING IS PROVIDED AS PER PROVISION OF THE CLAUSE NO. 23.1.12 AND 23.14 AND 24.6 OF G.D.C.R. 2021
* WATER TANK IS PROVIDED AS PER PROVISION OF THE CLAUSE NO. 23.8 OF G.D.C.R. 2021.
* THE WATER STORAGE TANK SHALL BE MAINTAINED THAT PERFECTLY MOSQUITO PROOF CONDITION BY PROVIDING A PROPERLY FITTING HINGED COVER AND EVERY TANK MORE THAN 1.5 MT. IN HEIGHT SHALL BE PROVIDED A PERMANENTLY FIXED IRON LADDER TO ENABLE INSPECTION BY ANTY MALARIA STAFF.
* SAPERET LETTER BOX IS PROVIDED AT GROUND LEVEL FOR EACH UNITS.
* DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 23.10
* PAVING OF BUILDING UNIT/FINAL PLOT AS PER PROVISION OF THE CLAUSE NO. 23.1.4 OF G.D.C.R. 2021.
* THE STRUCTURE OF THE BUILDING IS AS PER THE NORMS OF THE SPECIFIED IN THE INDIAN STANDARD AND TAKEN NECESSARY ACTION FOR THE STRUCTURAL SAFETY DURING THE CONSTRUCTION
* RAIN WATER STORAGE TANK AND WATER HARVESTING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 27.2 OF G.D.C.R. 2021.
* COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 27.3 OF G.D.C.R. 2021
* TREE PLANTATION PROVIDED AS PER CLAUSE NO. 27.5 OF G.D.C.R. 2021
* AS AN ENGINEER I CERTIFY THAT ALL REQUIREMENTS UNDER G.D.R. HAS BEEN VERIFIED BY ME AND SITE LAND IS SUITABLE FOR PROPOSED CONSTRUCTION. THE PLOT DIMENSION AS SHOWN IN THE PLAN CORRESPONDS WITH THE SITE.
* FIRE DOOR IS PROVIDED AT ALL FLOOR AS PER THE PROVISION OF THE CLAUSE NO. 24.6.3.1 OF G.D.C.R. 2021.
* PEDESTRIAN RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23.1.5 OF G.D.C.R. 2021.
* LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23.12 AND 24.7 OF G.D.C.R. 2021.
* ELECTRICAL INFRA STRUCTURE IS PROVIDED AS PER CLAUSE NO. 23.11
* SIGNAGE FOR PARKING PLACE IS PROVIDED AS PER CLAUSE NO. 23.7 OF G.D.C.R. 2021.
* ENTERANCE OF THE BUILDING IS PROVIDED AS PER PROVISION OF THE CLAUSE NO. 23.1.7 OF G.D.C.R. 2021.
* FIRE SAFETY SYSTEM IS PROVIDED AS PER CHEPTER NO. 24 OF G.D.C.R. 2021. & AS PER FIRE DEPARTMENT OPINION.
* MAINTANCE AND UPGRADIATION OF BUILDING AS PER CHEP. NO. 29 OF G.D.C.R. 2021.
* MECHANICAL VENTILATION SHALL BE PROVIDED IN BASEMENT
* MARGINAL OPEN SPACE & CELLAR SLAB SHALL BE PROVIDED OF LOAD BEARING CAPACITY OF 60 TONNES PER SQ.MT.AS PER CL. NO.24.3 OF GDCR-2021.
* ALL ELECTRICAL DUCTS/SERVICE /SHAFT SHALL BE PROVIDED FIRE RESISTANT AS PER CL. NO. 24.6.1(6) AND 24.17 OF GDCR-2021.
* FIRE PROOF DOORS SHALL BE PROVIDED AT ENTRANCE TO LIFT LOBBY AND STAIR WELL AS PER CL. NO. 24.5.1 OF GDCR-2021.
* VENTILATION OF BASEMENT SHALL BE PROVIDED AS PER CL. NO.-23.4 & 24.18 OF GDCR-2021.



KEY PLAN
SCALE 1CM = 20.00M.



DETAIL OF
PERCOLATING WELL
(UP TO GROUND SECOND RIVER)
FOR BUILDING UNIT AREA
ABOVE 1500.00 SQ.MTS. &
UP TO 4000.00 SQ.MTS.



L.S. OF DRAINAGE
SCALE : HORI: 1Cm. = 5.0 Mts/VERT: 1Cm. = 1.0 Mt.

PERCOLATING WELL CALC.

PLOT AREA	=	2731.00	SQ.M.
REQ. PW @ EVERY 4000 SQMTS (2731.00/4000)	=	0.68	NOS.
PROVIDED PERCOLATING	=	1.00	NOS.
		(UP TO GROUND 2nd RIVER)	

TREE REQ. CALC.

PLOT AREA	=	2731.00	SQ.M.
REQ. 3 TREE @ EVERY 200 SQMTS (2731.00X3/200)	=	40.96	NOS.
PROVIDED TREES	=	41	NOS.

COMMUNITY BINS REQ. CALC.

NOS. OF UNITS	=	42	NOS.
REQ. NOS. OF BINS @ EVERY 8 UNITS OF 80 LIT. CAP. (42/8)	=	5.25	NOS.
PROVIDED COMMUNITY BINS OF 80 LIT. CAP.	=	6.00	NOS.

LIFT AREA CALCULATION
REQD. LIFT :- 3rd T0 11th FLOOR (34 units)
REQD. LIFT = 34 / 20 = 1.70 LIFT SAY 2 LIFT.
2 x 6 PASSENGER = 12 PASSENGER
PROVIDE 2 LIFT OF 8 PERSON CAPACITY.
(2 x 8 = 16 PASSENGER)

LAYOUT PLAN — SHEET NO.-01/06

REVISED PLAN SHOWING RESIDENTIAL BUILDING ON F.P.NO. 23 OF T.P.S.NO. 85 (SARKHEJ-MAKARBA-OKAF) (DRAFT SANCTION) [R.SUR.NO. 577, O.P.NO. 23], MOJE: SARKHEJ, TA.: VEJALPUR, DIST.: AHMEDABAD.

SCALE : 1 CM.= 1.0 MT.

ZONE : RESIDENCE - I (R1) — USE : RESIDENCE

AREA TABLE

	SqMts.
PLOT AREA	2731.00
REQ. COMMON PLOT 10% OF PLOT AREA	273.10
PROVIDED COMMON PLOT	355.70

BUILT UP AREA TABLE

	APPR.	REVI.
PROP. B.A. ON BASEMENT FLOOR	1255.80	1245.89
PROP. B.A. ON GROUND FLOOR	756.00	780.06
PROP. B.A. ON 1ST FLOOR	756.00	756.04
PROP. B.A. ON 2ND FLOOR	756.00	756.04
PROP. B.A. ON 3RD FLOOR	756.00	756.04
PROP. B.A. ON 4TH FLOOR	756.00	756.04
PROP. B.A. ON 5TH FLOOR	756.00	756.04
PROP. B.A. ON 6TH FLOOR	756.00	756.04
PROP. B.A. ON 7TH FLOOR	756.00	756.04
PROP. B.A. ON 8TH FLOOR	----	756.04
PROP. B.A. ON 9TH FLOOR	----	756.04
PROP. B.A. ON 10TH FLOOR	----	756.04
PROP. B.A. ON 11TH FLOOR	----	534.56
PROP. B.A. ON STAIR CABIN	80.42	80.41
PROP. B.A. ON LIFT M/C ROOM	41.69	42.43
PROP. B.A. ON ELE. SUB-STATION	----	24.00
PROP. B.A. ON SECURITY CABIN	----	8.00
TOTAL PROP. B.A.	7425.91	10275.75

F.S.I. AREA TABLE

		APPR.	REVI.
PERMI. F.S.I. 1:1.80	(2731.00 X 1.80)	4915.80	4915.80
PROP. F.S.I. AREA ON 1ST FLOOR		687.95	685.87
PROP. F.S.I. AREA ON 2ND FLOOR		687.95	685.87
PROP. F.S.I. AREA ON 3RD FLOOR		687.95	685.87
PROP. F.S.I. AREA ON 4TH FLOOR		687.95	685.87
PROP. F.S.I. AREA ON 5TH FLOOR		687.95	685.87
PROP. F.S.I. AREA ON 6TH FLOOR		687.95	685.87
PROP. F.S.I. AREA ON 7TH FLOOR		687.95	685.87
PROP. F.S.I. AREA ON 8TH FLOOR		----	685.87
PROP. F.S.I. AREA ON 9TH FLOOR		----	685.87
PROP. F.S.I. AREA ON 10TH FLOOR		----	685.87
PROP. F.S.I. AREA ON 11TH FLOOR		----	464.39
PROP. F.S.I. AREA ON SECURITY CABIN		----	8.00
TOTAL PROP. F.S.I. AREA USED		4815.65	7331.09
PERMI. CHARGEABLE F.S.I. 1:0.90	(2731.00 X 0.90)	----	2457.90
TOTAL PERMI. F.S.I. AREA	(4915.80+2457.90)	----	7373.70
BALANCE F.S.I. AREA		100.15	----
USE CHARGEABLE F.S.I. AREA	(7331.09 - 4915.80)	----	2415.29

FLOOR AREA, USE & UNIT TABLE :

FLOOR	USE	EQ. TENA APPR.	EQ. TENA REVI.	FL. AREA IN Sq.Mt. APPR.	FL. AREA IN Sq.Mt. REVI.
BASEMENT	PARKING	--	--	----	----
GROUND FLOOR	PARKING	--	--	----	----
1ST FLOOR	RESI.	4	4	687.95	685.87
2ND FLOOR	RESI.	4	4	687.95	685.87
3RD FLOOR	RESI.	4	4	687.95	685.87
4TH FLOOR	RESI.	4	4	687.95	685.87
5TH FLOOR	RESI.	4	4	687.95	685.87
6TH FLOOR	RESI.	4	4	687.95	685.87
7TH FLOOR	RESI.	4	4	687.95	685.87
8TH FLOOR	RESI.	--	4	----	685.87
9TH FLOOR	RESI.	--	4	----	685.87
10TH FLOOR	RESI.	--	4	----	685.87
11TH FLOOR	RESI.	--	2	----	464.39
TOTAL	RESI.	28	42	4815.65	7323.09

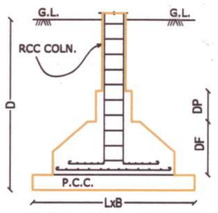
SCHEDULE OF OPENINGS :

DOORS	WINDOWS	VENT
FPD - 1.00 X 2.10	W - 3.05 X 1.35	V1 - 0.61 X 0.61
D1 - 0.90 X 2.10	W1 - 1.25 X 1.35	
D2 - 0.75 X 2.10	W2 - 1.20 X 1.20	ALL WINDOWS WITH SAFETY GRILL & MINI. 0.60M. SILL
SD - 3.24 X 2.10	W3 - 1.09 X 1.35	

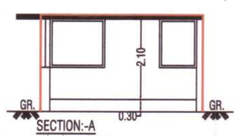
COLOR NOTES
PLOT BOUNDARY
PROP. WORK
APPR. WORK
APPR. DRAINAGE
ROAD
C.B.
TREE
PERCOLATING WELL

R.C.C. STAIR DETAILS :
WIDTH - 2.00 MT.
TREAD - 0.30 MT.
RISER - 0.16 MT.

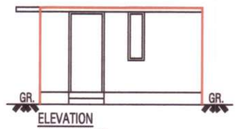
(11) LENGED
1 FIRE HYDRANT SYSTEM PIPE MAIN
2 SINGEL HEADED HYDRANT VALVE
3 SLUICE VALVE
4 TWOWAY SIAMES CONNECTION
5 RISE OR DROP
6 NON RETURN VALVE
7 REDUCER
8 FIRE HOUSE BOX
9 HOSE REEL HOSE
10 D.C.P. &CO.2
11 HYDRAUNT VALVE



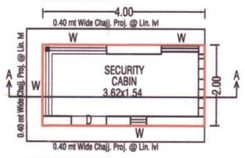
R.C.C. COLN. FOOTING
AS PER STRL. DETAIL



SECTION:-A
SECURITY CABIN

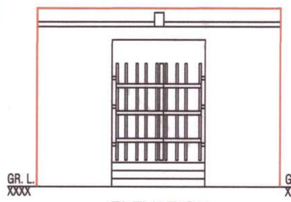


ELEVATION
SECURITY CABIN

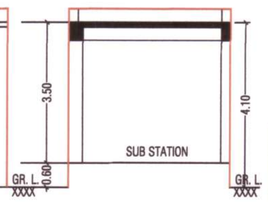


GROUND FLOOR
SECURITY CABIN

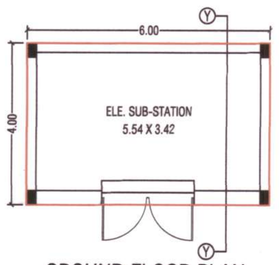
BUILT UP AREA
SECURITY ROOM IN SQ.MTS.
4.00 X 2.00 X 1 = 8.00



ELEVATION



SECTION Y-Y

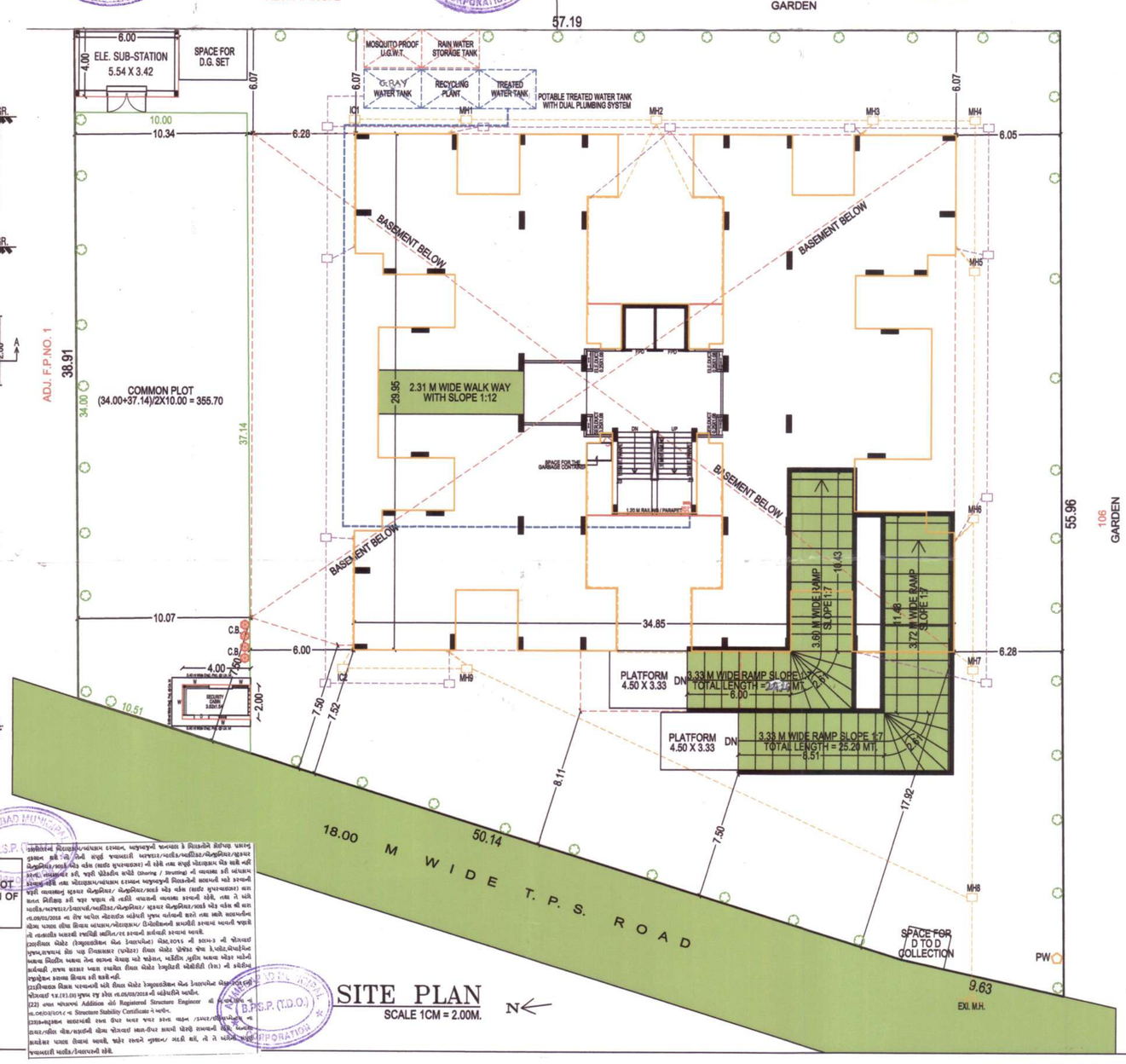


GROUND FLOOR PLAN

BUILT UP AREA CALC:-
GROUND FLOOR
6.00 X 4.00 = 24.00 SMT

ELE. SUB-STATION NOTE:-
AREA OF ELECTRIC SUB STATION SHALL NOT BE CONSIDERED TOWARDS COMPUTATION OF PERMISSIBLE FSI AS PER GDCR-2021 CL. NO. 13.4.3.(12) & 13.6.10.(3)

SCRUTINIZE COPY
Note: 10616 Dt: 21/5/18
BPSP, AMC



SITE PLAN
SCALE 1CM = 2.00M.

DEVELOPER
મોરાકો ઇન્ફ્રા. પ્રા. લી.
શ્રી એ. એચ. મેમણ અને ભાગીદારો
૧૦૭, બી બ્લોક, નિર્માણ કોમ્પલેક્ષ,
બરા રસ્તેન્ડ પાછળ, નવરંગપુરા,
અમદાવાદ - ૩૮૦૦૦૯.
લાયસન્સ નં. DEV116010220
લા. ઇસ્યુ તારીખ : 02/02/2015

OWNER
Salim A. Rujae
M. A. Nagani

COW
Pitamber N. Sitlani
BE (CIVIL)
Licence No.: CW-0657060720
G-329, Safal-6, BRTS Road,
Sadheshwar, Ahmedabad.
Mobile: 7574864480

ENGINEER
M. K. NOORANI (ARCHITECT)
LIC - AR 0182020822
S-11, APMC Market, Nr. Vishala Circle,
Vasna, Ahmedabad - 55. (M) 9879214314

STRU. ENGINEER
A. Y. CHHIPA
B.E. (CIVIL) M. I. E.
STRUCTURAL DESIGNER GRADE-I
AMC LIC NO. SD 0007010721R3

શહેરી વિકાસ અને શહેરી ગૃહનિર્માણ વિભાગના પત્ર ક્રમાંક નં. પસ્ર્વ/૮૨૦૧૦/૩૨૫/ધી તા-૧૬-૧૧-૧૦ ના પત્ર અનુસાર બાંધકામની ૭૨૨૨૦ મોટા અક્ષરે ગૃહરચના આવાસ બાંધકામની તમામ વિગતો દર્શાવતું બોર્ડ કચેરી મૂકવાની શરતે.

Ahmedabad Municipal Corporation
Case No. : BHNTS/NWZ/210616/GDR/A6684/R1/M1 — Zone: NEW WEST
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number : 10282/210616/A6684/R1/M1
Date : 11/06/2018

Sub Inspector (Civic Center) — Asst. T.D.O./Asst. E.O. (Civic Center) — CHAITANYA J. SHAH Dy T.D.O. NEW WEST — D.A. Shah Dy MC NEW WEST

B.P.S.P. (T.D.O.) AUTHORITY — AHMEDABAD MUNICIPAL CORPORATION