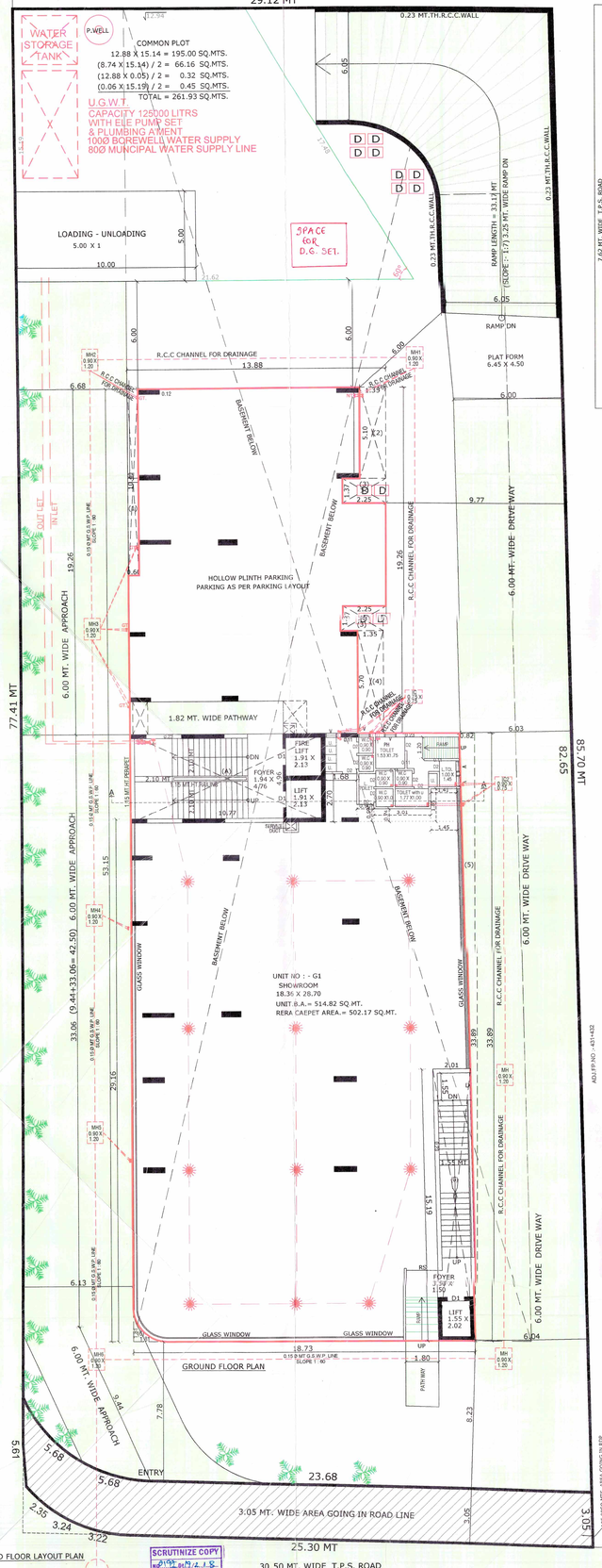
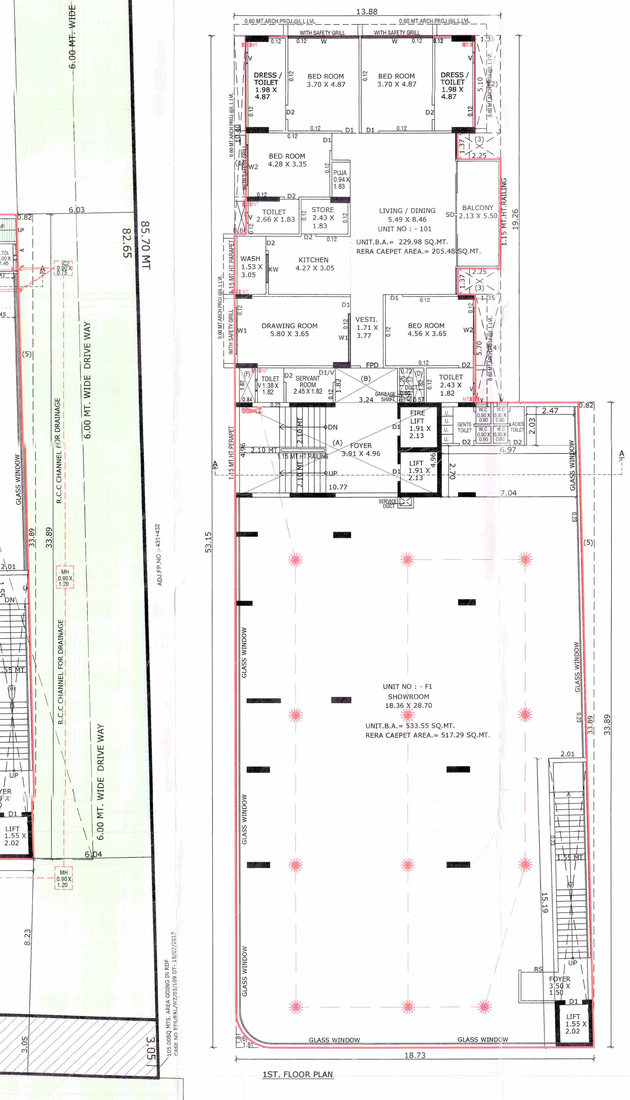
ADJ.FP.NO :- 433/4
29.12 MT

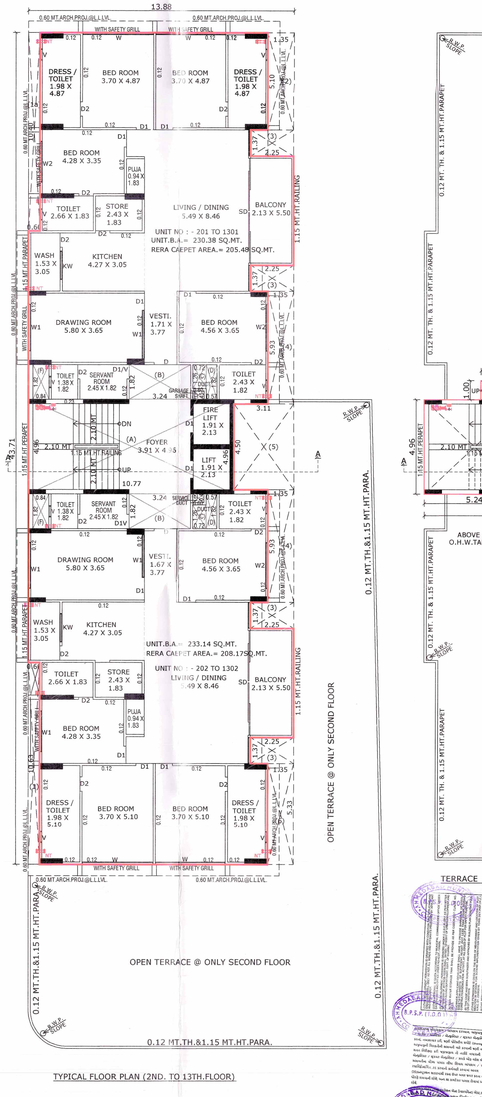


GROUND FLOOR PLAN

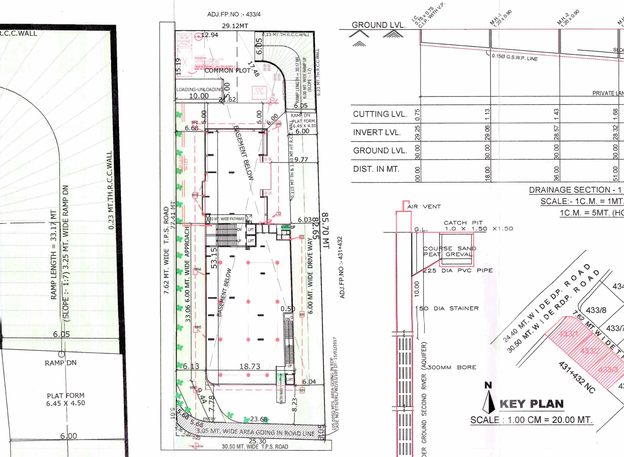
SITE PLAN
SCALE : 1.00 CM = 4.00 MT.



1ST. FLOOR PLAN



TYPICAL FLOOR PLAN (2ND. TO 13TH.FLOOR)



DRAINAGE SECTION :- 1 (BLOCK - A, B)
SCALE :- 1C. M. = 1MT. (VERTI.)
1C. M. = 5MT. (HORI.)

PERCOLATING WELL
BUILDING UNIT ABOVE 1500 SQ.MT & UP TO 4000.00 SQ.MT

KEY PLAN
SCALE : 1.00 CM = 20.00 MT.

NOTES :-

- IT IS CERTIFIED THAT PLOT UNDER REFERENCE IS SURVEYED BY ME AND THE DIMENSIONS OF ALL SIDES OF PLOT AND PLOT AREA AS PER SHOWN IN PLAN AREA MEASURED BY ENGINEER ON RECORD AND IN ACCORDANCE WITH DWNERSHIP/REVENUE RECORD
- ENGINEER IS FULLY RESPONSIBLE FOR LAYING OPEN SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MANHOLE IS VERYFIED BY 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.3.5.3 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 OF CGDCR 2017.
- PEDESTTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.1.15 OF CGDCR 2017.
- LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 21.12 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.22.21 OF CGDCR 2017.
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO.21.11 OF CGDCR 2017.
- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 21.10 OF CGDCR 2017.
- SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDED AS PER THE CLAUSE NO.21.7 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 UNITFAL 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 THE INDIAN STANDARD AND NACESSARY ACTION SHALL BE TAKEN FOR THE STRUCTURAL SAFETY DURING THE CONSTRUCTION.
- RAIN WATER STORAGE TANK AND RAIN WATER HARVESTING SYSTEM S 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 & DUAL PLUMBING SYSTEM S PROVIDED AS PER THE CLAUSE NO. 25.4 OF CGDCR 2017.
- TREE PALNTATION IS PROVIDED AS PER THE CLAUSE NO. 25.5 OF GDCR 2017.
- SOLAR WATER HEATING SYSTEM S PROVIDED AS PER THE CLAUSE NO. 25.6 OF THE CGDCR 2017.
- POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO.26 OF CGDCR 2017.
- FIRE SAFETY SYSTEM S PROVIDED AS PER THE CLAUSE NO. 22 OF CGDCR 2017.
- FIRE SAFETY PROVISIONS SHALL BE MADE AS PER THE PREVENTION AND LIFE SAFETY MEASURES REGULATION -2016 AND FIRE PREVENTION AND LIFE SAFETY MEASURE ACT - 2013.
- MAINTAINANCE AND UPGRADATION OF BUILDING IS AS PER CHAPTER NO. 27 OF CGDCR 2017.
- MARGINAL SPACE & CELLAR SLAB SHALL HAVE LOAD BEARING CAPACITY OF 40/60 TONNES PER SQUARE METER SHALL BE PROVIDED AS PER CHAPTER NO. 22.3 OF CGDCR - 2017.
- ROOF TOP SOLAR ENERGY INSTALLATION 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 UPTO MAX OF 50 % OF THE TOTAL SURFACE AREA OF EACH FACADE WITH THE PROVISION OF SAFETY RAILING UPTO BILL LEVEL AS PER CGDCR 01.NO.21.13.

B.A.CALC.ON GROUND & 1ST. FLOOR	
13.88 X 19.26 = 267.33 SQ.MTS	
18.73 X 33.89 = 634.76 SQ.MTS	
TOTAL = 902.09 SQ.MTS	
LESS :-	
(1) 0.60 X 10.40 X 1 =	6.24 SQ.MTS
(2) 1.35 X 5.10 X 1 =	6.89 SQ.MTS
(3) 2.25 X 1.37 X 2 =	6.16 SQ.MTS
(4) 1.35 X 5.70 X 1 =	7.69 SQ.MTS
(5) (0.82 X 33.89)/2 =	13.89 SQ.MTS
(6) BY.P.LINE AREA =	0.78 SQ.MTS
TOTAL =	41.65 SQ.MTS
NET B.A.ON GROUND & 1ST. FLOOR 902.09 - 41.65 = 860.44 SQ.MTS.	

F.S.I AREA CALC. ON GROUND FLOOR	
18.73 X 33.89 = 634.76 SQ.MTS	
LESS :-	
(5) (0.82 X 33.89)/2 =	13.89 SQ.MTS
(6) BY.P.LINE AREA =	0.78 SQ.MTS
(A) 10.77 X 4.96 =	53.42 SQ.MTS
(G) 2.01 X 15.19 =	30.53 SQ.MTS
TOTAL =	98.62 SQ.MTS
NET B.A.ON GROUND FLOOR 634.76 - 98.62 =536.14 SQ.MTS.	

F.S.I AERA CALC. ON FIRST FLOOR	
NET B.A.ON FIRST FL. = 860.44 SQ.MTS	
LESS :-	
(A) 10.77 X 4.96 X 1 =	53.42 SQ.MTS
(B) 3.24 X 1.82 X 1 =	5.90 SQ.MTS
(C) 0.72 X 1.26 X 1 =	0.91 SQ.MTS
(D) 0.57 X 1.82 X 1 =	1.04 SQ.MTS
(E) 0.60 X 0.45 X 1 =	0.27 SQ.MTS
(F) 0.84 X 1.82 X 1 =	1.53 SQ.MTS
(G) 2.01 X 15.19 X 1 =	30.53 SQ.MTS
TOTAL =	93.60 SQ.MTS
NET F.S.I AREA FIRST FLOOR 860.44 - 93.60 = 766.84 SQ.MTS.	

COMM. F.S.I AERA CALC. ON FIRST FL.	
18.73 X 33.89 = 634.76 SQ.MTS	
LESS :-	
(5) (0.82 X 33.89)/2 =	13.89 SQ.MTS
(6) BY.P.LINE AREA =	0.78 SQ.MTS
(A) 10.77 X 4.96 =	53.42 SQ.MTS
(G) 2.01 X 15.19 =	30.53 SQ.MTS
TOTAL =	98.62 SQ.MTS
NET F.S.I AREA ON FIRST FLOOR 634.76 - 98.62 = 536.14 SQ.MTS.	

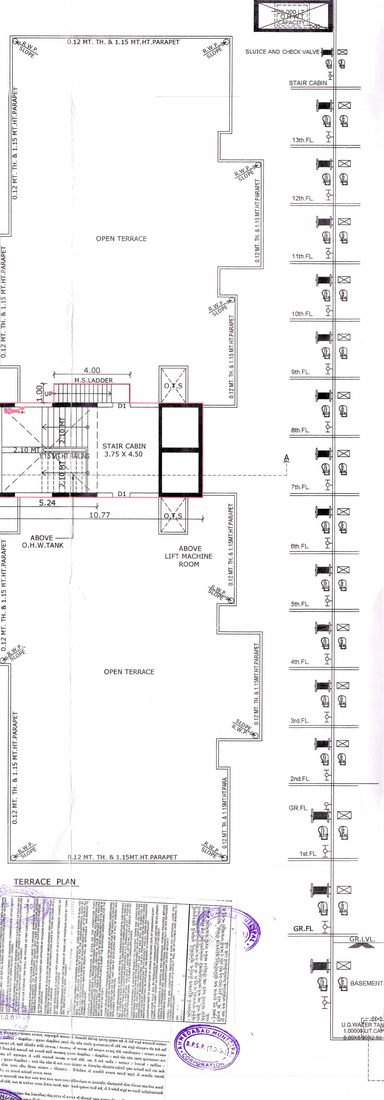
B.A.CALC.ON TYPICAL FLOOR	
13.88 X 43.71 =	606.69 SQ.MTS
LESS :-	
(1) 0.60 X 10.63 X 1 =	6.38 SQ.MTS
(1a) 0.60 X 10.40 X 1 =	6.24 SQ.MTS
(2) 1.35 X 5.10 X 1 =	6.89 SQ.MTS
(3) 2.25 X 1.37 X 4 =	12.33 SQ.MTS
(4) 1.35 X 5.93 X 2 =	16.01 SQ.MTS
(5) 3.11 X 4.50 X 1 =	13.99 SQ.MTS
(6) 1.35 X 5.33 X 1 =	7.20 SQ.MTS
TOTAL =	69.04 SQ.MTS
NET B.A.ON TYPICAL FLOOR 606.69 - 69.04 = 537.65 SQ.MTS.	

F.S.I AERA CALC. ON TYPICAL FLOOR	
NET B.A.ON TYPICAL FL. = 537.65 SQ.MTS	
LESS :-	
(A) 10.77 X 4.96 X 1 =	53.42 SQ.MTS
(B) 3.24 X 1.82 X 2 =	11.79 SQ.MTS
(C) 0.72 X 1.26 X 2 =	1.81 SQ.MTS
(D) 0.57 X 1.82 X 2 =	2.07 SQ.MTS
(E) 0.60 X 0.45 X 2 =	0.54 SQ.MTS
(F) 0.84 X 1.82 X 2 =	3.06 SQ.MTS
TOTAL =	72.69 SQ.MTS
NET F.S.I AREA TYPICAL FLOOR 537.65 - 72.69 = 464.96 SQ.MTS.	

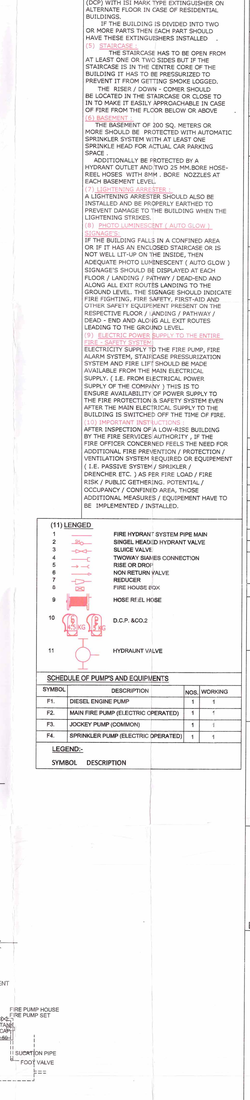
B.A.CALC. ON STAIR CABIN	
10.77 X 4.96 X 1 =	53.42 SQ.MTS.
4.00 X 1.00 X 1 =	4.00 SQ.MTS.
TOTAL =	57.42 SQ.MTS.

B.A. CALC. ON O.H.W.ANK
5.24 X 4.96 X 1 = 25.99 SQ.MTS.

(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 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 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 PRESURIZE 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 EXTINGUISHER :
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) EXIT STAIRCASE :
THE STAIRCASE HAS TO BE OPEN FROM AT LEAST ONE ON TWO SIDES BUT IF THE STAIRCASE IS IN THE CENTRE CORE OF THE BUILDING IT HAS TO BE PRESURIZIZED 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) ELECTRO-MAGNETIC (AUTO GLOW) SIGNAGE :
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 SAFEYT 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 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 / SPRINKLER / DRENCHER ETC.) AS PER FIRE LOAD / FIRE RISK / PUBLIC GETHERING, POTENTIAL / OCCUPANCY / CONFINED AREA, THOSE ADDITIONAL MEASURES / EQUIPEMENT HAVE TO BE IMPLEMENTED / INSTALLED.



TERRACE PLAN



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

SCHEDULE OF PUMP'S AND EQUIPMENTS			
SYMBOL	DESCRIPTION	NOS.	WORKING
F1.	DIESEL ENGINE PUMP	1	1
F2.	MAIN FIRE PUMP (ELECTRIC OPERATED)	1	1
F3.	JOCKEY PUMP (COMMON)	1	1
F4.	SPRINKLER PUMP (ELECTRIC OPERATED)	1	1

LEGEND:-
SYMBOL DESCRIPTION

BUILDING PLAN, SECTION & ELEVATION 1/4

PLAN SHOWING PROPOSE RESIDENTIAL+COMMERCIAL BUILDING ON F.P.NO - 433/1+433/2+433/3(C.S.NO - 3799+3800+3801) FINAL T.P.S.NO - 3 (SHEKHPUR-KHANPUR-CHANGISPUR) MOJE - CHANGISPUR. TA.- SABARMATI , DIST. AHMEDABAD.

SCALE - 1CM =1MTS.
ZONE : RESI.-I (R1)
USE OF CONST. :- RESI.+COMM.

AREA TABLE	IN SQ.MTS.
TOTAL PLOT AREA OF F.P.- NO.433/1+433/2+433/3	2560.18
AREA GOING IN ROAD LINE	105.00
NET PLOT AREA OF F.P.- NO.433/1+433/2+433/3	2455.18
REQ. COMMON PLOT :2560.18 @ 10 %	256.02
PROVIDED. COMMON PLOT	261.93
PROPOSE B.A. ON GROUND FLOOR	860.44

F.S.I AREA TABLE	IN SQ.MTS
PLOT AREA	2560.18
PERMI. F.S.I. AREA @ 1:1.8	4608.32
PERMI. CHARGABLE F.S.I. AREA @ 0.90	2304.16
TOTAL PERMI. F.S.I. AREA @ 2.70	6912.48
TOTAL PROP. F.S.I AREA	6882.50
BALANCE PAYMENT F.S.I AREA	29.98
PAYMENT F.S.I AREA	2274.18

AREA TABLE						
FLOOR	B.UP AREA	F.S.I AREA	USE	UNIT	FL. AREA
BASEMENT	1468.54	-------	PARKING	-----	-----
GROUND FL.	860.44	536.14	H.P.FARM+ SHOWROOM	01	536.14
1st.FL.	860.44	766.84	SHOWROOM + RESIDENCE	1+1=02	766.84
2nd.FL.	537.65	464.96	RESIDENCE	02	464.96
3rd.FL.	537.65	464.96	RESIDENCE	02	464.96
4th.FL.	537.65	464.96	RESIDENCE	02	464.96
5th.FL.	537.65	464.96	RESIDENCE	02	464.96
6th.FL.	537.65	464.96	RESIDENCE	02	464.96
7th.FL.	537.65	464.96	RESIDENCE	02	464.96
8th.FL.	537.65	464.96	RESIDENCE	02	464.96
9th.FL.	537.65	464.96	RESIDENCE	02	464.96
10th.FL.	537.65	464.96	RESIDENCE	02	464.96
11th.FL.	537.65	464.96	RESIDENCE	02	464.96
12th.FL.	537.65	464.96	RESIDENCE	02	464.96
13th.FL.	537.65	464.96	RESIDENCE	02	464.96
STAIR CABIN	57.42	-------	-------	-----	-----
O.H.W.T.	25.99	-------	-------	-----	-----
TOTAL	9724.63	6882.50	PAR.+RESI.+ SHOWROOM	RESI.=25 SHOWROOM=2	6882.50

COMMON PLOT AREA CALCULATION:
12.88 X 15.14 = 195.00 SQ.MTS.
(8.74 X 15.14) / 2 = 66.16 SQ.MTS.
(12.88 X 0.05) / 2 = 0.32 SQ.MTS.
(0.06 X 15.19) / 2 = 0.45 SQ.MTS.
TOTAL = 261.93 SQ.MTS.

CONTAINER BIN AREA CAL.
$\frac{5455.14}{100} \times 20 = \frac{1091.03}{80} = 13.64$ SAY 14 NO.BIN OF 80 LIT. CAPACITY

TREE PLANTATION TABLE:-
PLOT AREA = 2560.18 sq.mts.
REQUIRED = 2560.18 X 3 / 200 = 38.40 nos. SAY 39 nos. TREE
PROVIDED ON OPEN MARGINAL SPACE = 39 nos. TREE

PERCOLATING WELL AREA TABLE:-
PLOT AREA = 2560.18 SQ.MTS
REQ. 2560.18 / 1500 TO 4000 / 1 = 1 NOS.
PROVI. ON OPEN MARGIN = 1 NOS.

DISABLE CAR PARKING CALC. FOR COMMERCIAL
REQD. 2 CAR/25 CARS = 2 CAR / 343.75 SQ.MT.
REQD. CARS = 20 CARS X 13.75 = 275.00/343.75 = 0.80X2 =1.60 SAY= 2 NOS
PROVI. 2 CAR PARKING (in basement)

DISABLE CAR PARKING CALC. FOR residence
REQD. 2 CAR/25 CARS = 2 CAR / 343.75 SQ.MT.
REQD. CARS = 28 CARS X 13.75 = 385.00/343.75 = 1.12X2=2.24 SAY = 3 NOS
PROVI. 3 CAR PARKING (In h.p)

SANITATION FACILITY

TOTAL FLOOR AREA (G.F+F.F) -(536.14 +536.14)=1072.28 SQ. MTS.

4 SQ. MTS. = 1 PERSON
1072.28 /4 = 268.07 PERSON SAY 269 PERSON

SANITORY REQ.
URINAL REQ.
1 URINAL FOR EVERY 20 PERSONS (REQ-1URINAL MAY EB PROVI) = 1URINAL
21-100 1URINAL FOR EVERY 25 PERSONS (REQ-1URINAL)=100/25 = 4 URINAL
101-500 1URINAL FOR EVERY 50 PERSONS (REQ-1URINAL) =149/50 = 2.99 SAY 3 URINAL
TOTAL REQ 8 URINAL FOR MALE USER

W.C. REQ.
1 W.C. FOR EVERY 20 PERSONS EACH GENDER = 1 W.C
21-100 1 W.C. FOR EVERY 25 PERSONS EACH GENDER =100/25 =4 W.C
101-500 1 W.C. FOR EVERY 50 PERSONS EACH GENDER =149/50 = 2.98 SAY 3 W.C
TOTAL REQ 8 W.C(4 GENTS + 4 LADIES = 8 W.C)
REQ. 25% GENERAL SANITORY
REQ. 2 URINAL PER GENDER
REQ. 2 W.C. PER GENDER & 1 PH TOILET

PROVIDED			PROVIDED GENERAL SANITORY				
FLOOR	W.C	URINAL	FLOOR	W.C		URINAL	PH.TOI
				GENTS 1 W.C 1Toilet	LADIES 1 W.C 1 toilet		
G.F	GENTS-LADIES 2+2= 4	4	G.F	2	3	2	1
F.F	GENTS-LADIES 2+2= 4	4	total	2	1	3	
TOTAL	8	8	ON G.F PROVI. SANITORY 5 W.C 2 TOILET 6 URINAL 1 PH.TOI				
			ON F.F PROVI SANITORY 4 W.C 4 URINAL				

SCHEDULE OF OPENING			RCC STAIR DETAIL
DOOR	WINDOWS	VENTILATION	
D = 1.70 X 2.10 D1= 0.90 X 2.10 D2= 0.75 X 2.10	W = 2.50 X 2.10 (WITH SAFETY GRILL) W1 = 2.15 X 2.10	V = 0.60 X 0.60 BR= 0.60 X 0.60	WIDTH = 2.10 MT. TREAD = 0.30 MT. RISER = 0.16 MT.

COLOUR NOTE :-
PLOT BOUNDARY
PROPOSED WORK
ROAD
DUST BIN
SPRINKLER
TREE
PROPOSED DRAINAGE
PERCOLATING WELL

DEVELOPERS
SHARAD SHAH
DEVELOPER
KALA INFRASTRUCTURE
8 UPPER LEVEL, KALITIRTH COMPLEX, JODHPUR, SATELLITE, AHMEDABAD-15.
DEV : 630170121

OWNER -
SHARAD SHAH
ENGINEER
8, Upper Level, Kala Tirth Complex, Jodhpur, Satellite, Ahmedabad-15.
CW 0616240619
C.O.W

SUNIL KARTHIYA
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ER 1219101022
ENGINEER.

A. J. Parikh
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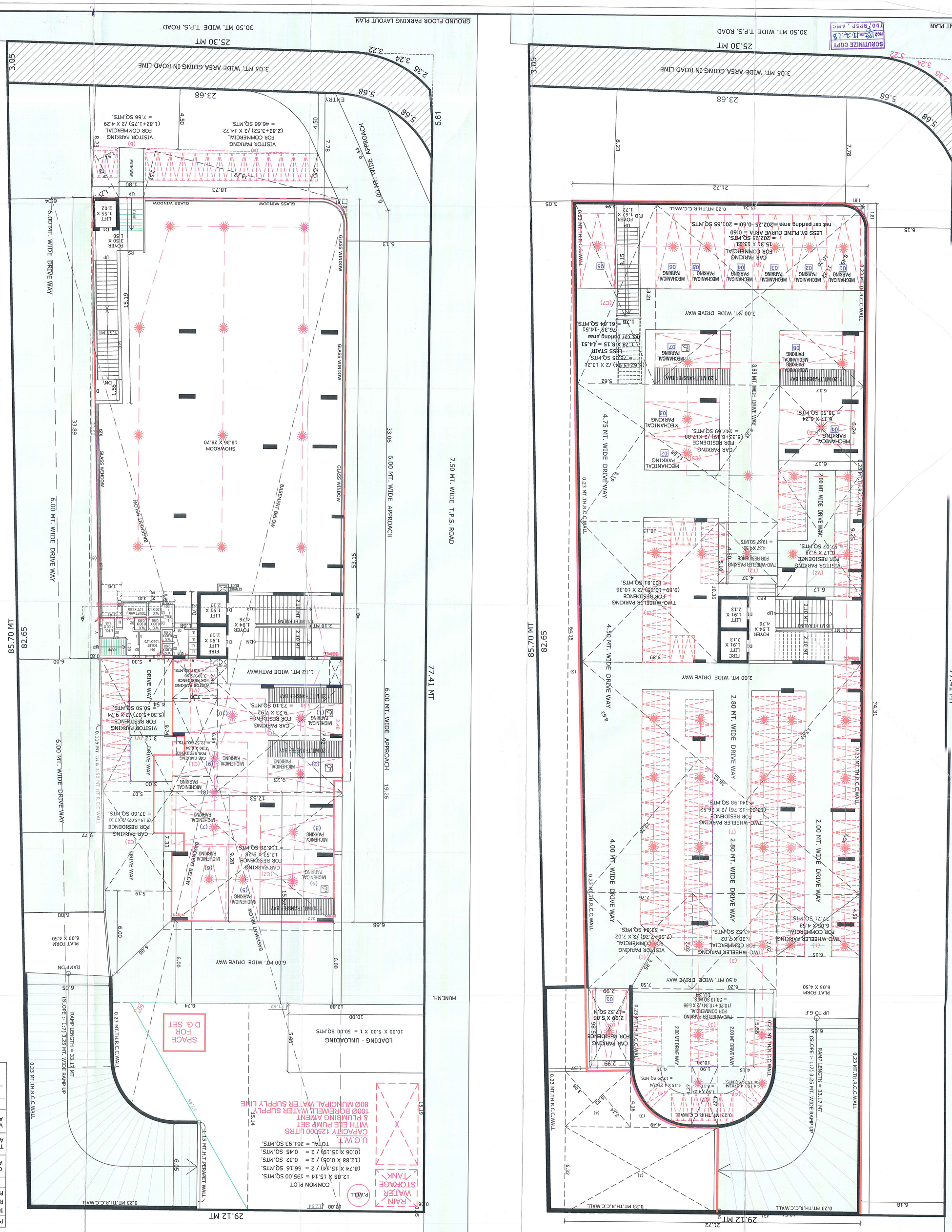
606, Sun Square, Nr. Rajpath Club, Nr. Prahladnagar Garden, Ahmedabad-9
AMC LIC.NO. SD 00032506213Rs
STRUC. ENG.

LIMITATION OF LIABILITY
APPROVAL OF DRAWINGS AND RECORDS OF BUILDING PLAN, DOCUMENTS, DRAWINGS AND RECORDS CERTIFICATE OF ANY STATEMENT, DOCUMENTS, STRUCTURAL REPORT, STRUCTURAL DRAWINGS, PROGRESS CERTIFICATE OR BUILDING COMPLETION CERTIFICATE, BASED ON LIMITED VISUAL OBSERVATIONS BY ARCHITECT OR BY ANY OF WORKSITE SUPERVISOR, STRUCTURAL DESIGNER, DEVELOPER, OWNER FROM THEIR RESPONSIBILITIES, IMPOSED UNDER THE ACT, RULES, REGULATIONS AND THE LAWS OF TORT AND LEGISLATION.
LIMITATION OF LIABILITY (REL. NO. 2.2.1)
IN CONSIDERING ANY DE



PARKING AREA TABLE:- (FOR COMMERCIAL) IN SQ MTS.
TOTAL PROP. F.S.I AREA (GF + FF) = 536.14 X 2 = 1072.28 SQ.MTS.
REQ. PARKING@ 50% OF PROP. F.S.I (1072.28 X 0.50) = 536.14 SQ.MTS.
PROVI. PARK. @ 50% OF PROP. F.S.I (1072.28 X 0.50) = 536.86 SQ.MTS.

VEHICAL	REQ.AREA	PROVI PARKING AREA
CAR PARKING AREA @ 50 %	268.07 SQ MTS	311.65 SQ.MTS.
TWO WHEEL PARKING AREA @ 30 %	160.84 SQ MTS	164.05 SQ.MTS.
VISITOR'S PARKING AREA @ 20 %	107.23 SQ MTS	108.16 SQ.MTS.
TOTAL	536.14	TOTAL PARK.= 583.86

REQ. LOADING - UNLOADING SPACE
50.00 SQ MTS SPACE REQ. PER 1000.00 SQ.MTS FLOOR AREA
REQ.LOADING - UNLOADING SPACE =50.00M 2
PROVI. 10.00 X 5.00 =50.00 SQ MTS (IN C.P)

BUILT UP AREA CALC. ON BASEMENT
21.72 X 74.31 = 1614.01 SQ.MTS
LESS :-
(1) (10.54 X 0.04)/2 = 0.21 SQ.MTS
(2) 11.19 X 6.32 = 70.72 SQ.MTS
(3) (4.49X 4.16) / 3 = 6.23 SQ.MTS
(4) (8.13+3.08) /2 X 5.53 = 17.17 SQ.MTS
(5) (1.57X 64.15)/2 = 50.36 SQ.MTS
(6) BY PLINE AREA = 0.78 SQ.MTS
TOTAL = 145.47 SQ.MTS
NET BUILT UP AREA ON BASEMENT
1614.01 - 145.47 = 1468.54 SQ.MTS.

USE OF CONST. :- RESI.+COMM.
ZONE : RESI.-I (R1)
SCALE - 1CM =1MTS.

PLAN SHOWING PROPOSE RESIDENTIAL+COMMERCIAL BUILDING ON F.P.NO - 433/1+433/2+433/3(C.S.NO - 3799+3800+3801) FINAL T.P.S.NO - 3 (SHEKHPUR-KHANPUR-CHANGISPUR) MODE - CHANGISPUR, TA.- SABARMATI , DIST. AHMEDABAD.

BASEMENT & PARKING LAYOUT PLAN 2/4

(SHEET - 2)

PROVIDED VISITOR PARKING IN BASEMENT
(A) 15.31 X 13.21 = 202.25
LESS BY PLINE CURVE AREA = 0.60
net car parking area = 202.25 -0.60 = 201.65
2.50 X 5.50 X 8 NOS CAR NECHANICAL PARKING = 110.00
TOTAL = 311.65

PROVIDED TWO WHEELER PARKING IN BASEMENT
(1) 6.05 X 4.58 = 27.71
(2) 6.20 X 7.02 = 43.52
(3) (10.20+10.34) /2 X 5.66 = 58.13
(4) 4.15 X 4.27X 3/4 X 2 = 26.58
(5) 1.90 X 4.27 = 8.11
TOTAL = 164.05

PROVIDED VISITOR PARKING AREA CAL.
(a) (2.82+3.52) /2 X 14.72 = 46.66
(b) (1.8+1.75) /2 X 4.29 = 2.66
(c) (7.51+7.75) /2 X 7.02 (IN basement) = 53.84
TOTAL = 103.16

PARKING AREA TABLE (FOR RESIDENCE)	SQ.MTS.
TOTAL UTILISED F.S.I. AREA	6882.50
LESS UTILISED F.S.I. AREA FOR COMMERCIAL	1072.28
TOTAL UTILISED F.S.I. AREA FOR RESIDENCE	5810.22
REQ. PARKING @ 0.20 X 5810.22	1162.04
REQ. CAR PARKING @ 50% OF 1162.04	581.02
REQ. VISITOR PARKING @ 10% OF 1162.04	116.20
REQ TWO WHEELER PARKING @ 40% OF 1162.04	464.82
TOTAL REQUIRED PARKING	1162.04
TOTAL PROVI. PARKING	1303.95

PARKING AREA TABLE:-(FOR RESIDEND IN SQ MTS.

VEHICAL	REQ.AREA	PROVI PARKING AREA
CAR PARKING AREA @ 50 %	581.02 SQ MTS	721.35 SQ.MTS.
TWO WHEEL PARKING AREA @ 40 %	464.82 SQ MTS	465.46 SQ.MTS.
VISITOR'S PARKING	116.20 SQ MTS	117.14 SQ.MTS.
TOTAL	1162.04	TOTAL PARK.= 1303.95

PROVIDED CAR PARKING
(C) 9.23 X 7.92 = 73.10
(C1) 3.30 X 6.84 = 22.57
(C2) 12.53 X 9.28 = 116.28
(C3) (5.19+5.07) / 2 X 7.33 = 37.60
(C4) 2.99 X 5.86 = 17.52
(C5) (8.33+8.19) / 2 X17.88 = 147.69
(C6) 6.17 X 6.24 = 38.50
(C7) (5.62+5.94) / 2 X 13.21 = 61.84
LESS BY PLINE CURVE AREA = 0.60
net car parking area = 76.35 -0.60 = 75.75
LESS STAIR AREA = 14.51
= 61.24
(IN GLLAR MECHANICAL PARKING) 2.50 X 5.50 X 5 NOS CAR = 68.75
TOTAL = 721.35

PROVIDED TWO WHEELER PARKING IN BASEMENT AREA CAL.
(T) (13.04+12.79) /2 X 26.52 = 341.98
(T1) (9.89+10.15) /2 X 10.36 = 103.81
(T2) 4.37 X 4.50 = 19.67
TOTAL = 465.46

PROVIDED VISITOR PARKING IN
(V) (2.82+3.52) /2 X 14.72 — IN H.P = 50.50
(V1) 3.30 X 2.90 — IN H.P = 9.57
(V2) 6.17 X 9.25 → IN BASEMENT = 57.07
TOTAL = 117.14

SCHEDULE OF OPENING			
DOOR	WINDOWS	VENTILATION	RCC STAIR DETAIL
D = 1.52 X 2.10	W = 2.50 X 2.15	V = 0.60 X 0.60	WIDTH = 2.10 MT.
D1= 1.05 X 2.10	BR= 0.60 X 0.60	RISER = 0.16 MT.	
D2= 0.75 X 2.10			

COLOUR NOTE -

PLOT BOUNDARY
PROPOSED WORK
ROAD
TREE
DUST BIN
PERCOLATING WELL
SPRINKLER
PROPOSED DRAINAGE

DEVELOPERS

SHARAD SHAH
DEVELOPER
8 UPPER LEVEL, KALATHI COMPLEX,
JODHPUR, SATELLITE, AHMEDABAD-15.
DEV : 6301701021

OWNER - C.O.W

SHARAD SHAH
ENGINEER
8, Upper Level, Kala Thrin Complex,
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CW 9616240619

ENGINEER. STRUC. ENG.

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ACHAL J. PARIKH
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Navrangpura, Ahmedabad-9
AMC LIC.NO. SD 00032506Z1R

AUTHORITY

Ahmedabad Municipal Corporation
Application Number : 202001171271/CCC/CR/A02/2021/R/M1
Zone: WEST
Date : 28/05/2021
Rajp Chintan Member : 202001171271/A02/2021/R/M1
Approved as per terms and condition mentioned in the Commencement Certificate
Asst. Municipal Commissioner
Sub Registrar (Civic Center) T.D.O./Asst. E.O. Jodhpur Jabhar
Sub Registrar (Civic Center) T.D.O./W.EST. by T.D.O. WEST

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No. 192 Dt. 19/2/19
T.D.O./BRSP, AMC