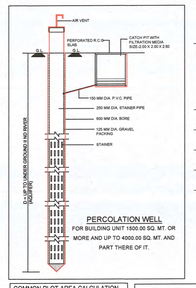
NOTES - RELATED TO FIRE SAFETY

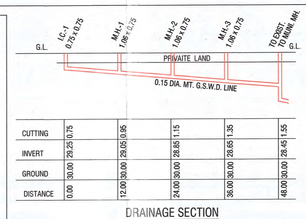
EXTERNAL WATER HYDRANTS:
EXTERNAL WATER HYDRANTS CAPABLE OF MEANT THE WIDER REEL HOSE ON HYDRANT OUTLET, AT EACH FLOOR FOR THE BASIS FIRE PUMP AT UNDERGROUND WATER TANK WITH A CAPACITY TO DISCHARGE 900 LITRES PER MINUTE AT 3 BAR PRESSURE AS MEASURED AT THE TERRACE LEVEL SHALL BE INSTALLED.
THE INDER FOR THE BUILDING EXCEEDING 15 METRES HEIGHT SHOULD NOT BE OF LESS THAN 100 MM DIA. THE HYDRANT VALVE SHALL BE PROVIDED ON THE INLET OF THE BOTTOM OF THE TERRACE TANK WITH A STOP VALVE AND A WRE TO ACT A DOWN COMER.
THE INDER IS REQUIRED FOR EVERY 1000 SQ. METERS FLOOR AREA AND IF THE BUILDING EXCEED 30M2, THEO ON MORE PARTS THEN EACH PART SHOULD HAVE THE DEPARATE INDER WITH ALL THE FITTINGS AT EACH FLOOR LEVEL.
THE INDER SHALL BE PROVIDED WITH 63 MM DIA. INLET AND TWO COUPLING FOR ATTACHING AS 63 MM DIA. HOSE. 25 MMM INDER REEL HOSE WITH 8 MM. SHOT OFF NOZZLE AT EACH FLOOR LANDING. THE LENGTH OF THE HOSE SHOULD BE SHOWN BY THE FURTHEST POINT OF THE FLOOR TO BE COVERED BY THE HOSE REEL OF 30 MM. DIA. INDER AND 12.5 MM. BORE NOZZLE AS A TERRACE CLOSER. THE HOSE REEL HOSE SHOULD BE COUPLED TO THE INDER.
THE HOSE REEL HOSE SHOULD BE SUFFICIENT TO REACH A POINT NEAR THE ENTRY TO THE TERRACE WHERE A FIRE EXPRESS WHICH CAN EXPRESS WATER.
A PERMANENT HYDRANT POINT COMPRISING OF 63 MM DIA SIZE 2 WAY OF HYDRANT VALVE SHOULD BE INSTALLED AT THE TERRACE LEVEL.
DIVERSION TWIN BUFFLING EXPRESS CONNECTION SHOULD BE 100MM AT THE TERRACE.
THE OVERHEAD TANK SHALL BE OF A CAPACITY OF NEFT LEBS THAN 20,000 LITERS THE UNDERGROUND TANK SHALL BE OF NOT LESS THAN 5,00,000 LITERS.
LIFTS:
IN THE 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 OF 21 PERSONS OR 1500 KG CAPACITY. HOWEVER IF THERE ARE MORE THAN EACH FORT SHOULD HAVE A FIRE LIFT. LIFT HALL SHOULD HAVE BLOWERS TO PRESURIZE THE LIFT HALL SO CONNECTED THAT IT WILL AUTOMATICALLY OPERATE ON FIRE ALARM. POWER TO SPRINKLERS, SO THAT IF ANYBODY THE LIFT HALL GETTING SMOKE LOCKED.
EXITS:
THERE SHOULD BE AN EXIT FOR EVERY 50 METRES LEST AT EACH FLOOR WITH SOUNDERS CAPABLE OF SEMD HEARD ALL THROUGHOUT THE BUILDING.
FIRE EXTINGUISHER:
THE CARBON DIOXIDE (CO2) TYPE EXTINGUISHER OF 4.5 KG WITH 90% WATER AND ONE EXTINGUISHER OF 5 KG. DRY CHEMICAL POWDER (DCP) TYPE EXTINGUISHER WITH 05 MARK TO INSTALLED ON EACH FLOOR IN CASE OF COMMERCIAL BUILDING. ONE EXTINGUISHER OF 4.5 KG CAPACITY ON EACH FLOOR AND ONE EXTINGUISHER OF CARBON DIOXIDE (CO2) TYPE EXTINGUISHER OF 5 KG. CAPACITY ON EACH FLOOR AND 9 KG. DRY CHEMICAL POWDER (DCP) WITH 10 MARK TYPE EXTINGUISHER ON EACH FLOOR IN CASE OF INDUSTRIAL BUILDING.
IF THE BUILDING IS DIVIDED INTO TWO OR MORE PARTS THEN EACH PART SHOULD HAVE THESE EXTINGUISHERS INSTALLED.
FIRE ALARM:
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 PRESURIZED TO PREVENT THE SMOKE FROM ENTERING.
THE INDER, DOWN - COMER SHOULD BE LOCATED IN THE STAIRCASE OR CLOSE TO IS TO MAKE IT EASILY APPROACHABLE IN CASE OF FIRE FROM THE FLOOR BELOW THE SAME.
LIGHTNING:
THE BASEMENT OF 200 SQ. METERS OR MORE SHOULD BE PROTECTED WITH LIGHTNING PROTECTIVE SYSTEM WITH ATLEAST ONE SPIRAL DOWN CONDUCTOR ACTUAL CAR PARKING SPACE.
ADDITIONALLY BE PROTECTED BY A HYDRANT OUTLET AND THIS 25 MM BORE HOSE REEL HOSE WITH 8MM BORE NOZZLE ATLEAST ONE SHOULD BE PROVIDED.
ELECTRICAL WIRING:
ELECTRICAL WIRING WITHIN SHOULD ALSO BE INSTALLED AND BE PROPERLY EARTHED TO PREVENT DAMAGE TO THE BUILDING WHEN THE LIGHTNING STRIKES THE BUILDING.
THE BUILDING FALLS IN A STORMY AREA ON IF IT WAS ON ENCLOSED STAIRCASE OR IS NOT WELL LIT UP ON THE INSIDE, THEN ADEQUATE PHOTO LUMINESCENT LAYING ALONG SHOULD BE DEPLAYED AT EACH FLOOR LEVEL. THE PHOTO LUMINESCENT LAYING SHOULD ALSO BE DEPLAYED ON THE GROUND LEVEL. THE SIGNAGE SHOULD INDICATE THE FIRE FIGHTING, FIRE SAFETY, FIRST AID AND OTHER SAFETY EQUIPMENT PRESENT ON THE RESPECTIVE FLOOR/ GROUND LEVEL. EMERGENCY LIGHT - ONE AND ALL ARE ROUTES LEADING TO THE GROUND LEVEL.
ELECTRICITY SUPPLY:
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 AND ALSO FROM THE STANDBY GENERATOR. ALL ELECTRICAL WIRING FOR FIRE SAFETY SYSTEM EXTEND WITHIN THE MAIN ELECTRICAL SUPPLY TO THE BUILDING IS SWITCHED OFF THE TIME OF FIRE.
FIRE SAFETY:
AFTER INSPECTION OF A CAN-MADE BUILDING BY THE FIRE SERVICES AUTHORITY - IF THE FIRE OFFICER CONCERNED FEELS THE NEED FOR ADDITIONAL FIRE PROVISIONS / FIRE SAFETY EQUIPMENT OR MODIFICATION IN THE FIRE SAFETY SYSTEM / SYSTEM / OPERATION ETC. I.E. FIRE PUMP, LIAO / PRE SOAL / PUBLIC GATHERING, POTENTIAL / OCCUPANCY / CONFINED AREA, THOSE ADDITIONAL MEASURES / EQUIPMENT HAVE TO BE IMPLEMENTED / INSTALLED.

NOTES - RELETED TO CGDCR - 2017

- IT IS CERTIFIED THAT PLOT UNDER REFERENCE IS SURVEYED BY ME AND THE DIMENSIONS OF ALL SIDES OF PLOT AND PLOT AND PLOT AREA AS SHOWN IN PLAN AREA MEASURED BY ENGINEER ON RECORD AND IN ACCORDANCE WITH OWNERSHIP/REVENUE RECORD.
- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN MARGINAL SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MAIN HOLE IS VERIFIED BY ME ON SITE AND PREMISES CAN GET DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO C.G.D.C.R.2017 ALL REQUIREMENTS OF THE BUILDING AREA CHECKED AND NECESSARY ACTIONS ARE TAKEN.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO.4.4.3 OF THE C.G.D.C.R.2017, THE STRUCTURE OF THE BUILDING IS DESIGNED AS PER THE NORMS OF THE INDIAN STANDARDS.
- DESIGN OF STAIRCASE AND RAILING IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO.13.1.11AND 13.1.13 OF C.G.D.C.R.-2017
- PEDESTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.1.14 OF CGDCR 2017.
- LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.12 OF C.G.D.C.R.- 2017.
- WASTER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.6 OF CGDCR 2017.
- LETTER BOX FOR EACH UNIT SHALL BE PROVIDED AT GROUND FLOOR FOR EACH UNIT.
- WASTER TANK FOR FIRE SAFETY REQUIREMENT PROVIDED AS PER PREVENTION AND FIRE SAFETY ACT-2013
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 13.11 OF CGDCR 2017.
- DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER CLAUSE NO.13.6.2 OF C.G.D.C.R.- 2017.
- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 13.10 OF C.G.D.C.R.- 2017.
- SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDED AS PER THE PROVISION OF THE CLAUSE NO.13.7 OF THE CGDCR 2017.
- ENTRANCE OF THE BUILDING IS PROVIDED AS PER THE CLAUSE NO. 13.1.6 OF C.G.D.C.R.- 2017.
- THE PAVING OF BUILDING UNITFRIL PLOT AS PER THE PROVISION OF THE CLAUSE NO. 13.13 OF CGDCR 2017.
- THE STRUCTURE DESIGN OF BUILDING IS AS PER NORMS OF SPECIFIED IN THE INDIAN STANDARD AND NECESSARY ACTION SHILL BE TAKEN FOR THE STRUCTURAL SAFETY DURING CONSTRUCTION.
- RAIN WATER STORAGE TANK AND RAIN WATER HARVESTING SYSTEM SHILL BE PROVIDED AS PER CLAUSE NO.17.2 OF C.G.D.C.R.-2017
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 17.24 & 17.2.5 OF CGDCR 2017.
- GREY WATER RECYCLING SYSTEM & DUAL PLUMBING SYSTEM IS PROVIDED AS PER THE CLAUSE NO.17.3OF C.G.D.C.R.-2017
- TREE PLANTATION IS PROVIDED AS PER THE CLAUSE NO. 17.4 OF CGDCR 2017.
- SOLAR ASSISTED WATER HEATING SYSTEM SHALL BE PROVIDED AS PER CLAUSE NO.17.5 OF C.G.D.C.R.2017
- POLLUTION CONTROL SYSTEM PROVIDED AS PER THE CHAPTER NO.18 OF C.G.D.C.R.-2017
- FIRE SAFETY SYSTEM 15 PROVIDED AS PER CHAPTER 14 OF C.G.D.C.R.-2017
- FIRE SAFETY PROVISION SHALL BE MADE AS PER FIRE PREVENTION AND LIF E SAFETY MEASURES REGULATION-2016 AND FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION-2013
- MAINTENANCE AND UP GRADATION OF BUILDING IS AS PER CHAPTER NO.19 OF C.G.D.C.R.-2017
- MARGINAL SPACE & BASEMENT SLAB SHALL HAVE LOAD BEARING CAPACITY OF 45 TONNES PER SQURE METER.
- ROOF TOP SOLAR ENERGY INSTALLATION & GENERATION SHALL BE PROVIDED AS PER CLAUSE NO. 17.51 OF C.G.D.C.R.2017.
- THE GLAZED SURFACE AREA OF THE EXTERNAL FACADE SHALL BE NON REFLECTIVE AND PROVIDED UP TO MAX OF 50 % OF THE TOTAL SURFACE AREA OF EACH FACADE WITH THE PROVISION OF SAFETY RAILING UP TO ILL LEVEL AS PER CLAUSE NO.13.13 OF C.G.D.C.R.-2017



PERCOLATION WELL
FOR BUILDING UNIT 1500.00 SQ. MT. OR MORE AND UP TO 4000.00 SQ. MT. AND PART THERE OF IT.



CUTTING						
INVERT	25.35 / 0.75	25.95 / 0.95	26.85 / 1.15	28.45 / 1.35	28.45 / 1.55	
GROUND	26.00	26.90	28.00	28.80	29.00	
DISTANCE	0.00	12.00	24.00	36.00	48.00	

DRAINAGE SECTION
SCALE HORI :- 1CM = 5MT.
VERTI :- 1CM = 1MT.

COMMON PLOT AREA CALCULATION

COMMON PLOT
44.02 X 17.56 = 772.99
PERMI. B.A. ON GR. FL. @ 15 % OF COMMON PLOT AREA
772.99 X 0.15 = 115.95
SOCIETY COMMON AMENITIES
PROP. B.A. ON GR. FL.
10.02 X 11.56 = 115.83
PROP. B.A. ON 1ST. FL.
10.02 X 11.56 = 115.83
TOTAL PROP. B.A. ON GR. & 1ST. FL.
115.83 + 115.83 = 231.66
THIS AREA SHALL NOT BE COUNTED IN F.S.I
AS PER GDCR CL. NO. 6.3.2.4B

ELE. SUB. STATION AREA CAL.
ELE. SUB. STATION
12.23 X 4.00 = 48.92

SANITARY PROVISION
TOTAL COMM. F.S.I. AREA = 704.16 SQ.MTS.
4.00 SQMTS = 1 USER
704.16 / 4 = 176.04 SAY 177 PERSON
< 20 USER = 1 W.C. & 1 URINAL
21 - 100 USER (1 PER. 25 USER) = 4 W.C. & 4 URINAL
101 - 500 USER (1 PER. 50 USER) = 2 W.C. & 2 URINAL
> 500 USER (1 PER. 100 USER) = 0 W.C. & 0 URINAL

W.C.	REQ.	PROVI.
URINAL	6 URINAL	PROVIDE ONE TOILET IN EACH SHOP
		PROVIDE ONE TOILET IN EACH SHOP

COMMON SANITARY PROVISION REQ. 25 %
TOTAL SANITARY REQ. 50% GENTS. & 50% LADISE (25 %)
NET COMMON SANITARY REQ. GENTS= 1 W.C. & 1 URINAL
NET COMMON SANITARY REQ LADISE= 1 W.C.
PROVI. SANITARY PROVISION = 2 W.C. & 1 URINAL& 1 P.H. TOILET

BUILT UP AREA TABLE

FLOOR	BLOCK A+B	BLOCK C+D	TOTAL SQ.MTS.
1ST.BASEMENT	4756.60	------	4756.60
2ND.BASEMENT	4832.21	------	4832.21
GR. FL.(COMM.)	704.16	------	704.16
GR. FL.(SOC.COM.AME.)	178.05	178.05	356.10
GR. FL.(METERRM)	51.47	77.01	128.48
GR. FL.(H.P.)	558.35	815.55	1373.90
	1353.68	1070.61	2424.29
1ST FLOOR	1039.16	1039.16	2078.32
2ND FLOOR	1039.16	1039.16	2078.32
3RD FLOOR	1039.16	1039.16	2078.32
4TH FLOOR	1039.16	1039.16	2078.32
5TH FLOOR	1039.16	1039.16	2078.32
6TH FLOOR	1039.16	1039.16	2078.32
7TH FLOOR	1039.16	1039.16	2078.32
8TH FLOOR	1039.16	1039.16	2078.32
9TH FLOOR	1039.16	1039.16	2078.32
10TH FLOOR	1039.16	1039.16	2078.32
11TH FLOOR	1039.16	1039.16	2078.32
12TH FLOOR	1039.16	1039.16	2078.32
13TH FLOOR	1039.16	1039.16	2078.32
14TH FLOOR	1039.16	1039.16	2078.32
STAIR CABIN	261.37	261.37	522.74
L.M.R. & O.H.W.T.	211.33	211.33	422.66
SOCIETY COMMON AMENITIES	231.66	------	231.66
ELE. SUB. STATION	48.92	------	48.92
TOTAL	26244.31	16091.55	42335.86

F.S.I. / FLOOR AREA TABLE

FLOOR	BLOCK A+B COMM.	BLOCK A+B RESI.	BLOCK A+B TOTAL	BLOCK C+D COMM.	BLOCK C+D RESI.	BLOCK C+D TOTAL	TOTAL SQ.MTS. COMM.	TOTAL SQ.MTS. RESI.	TOTAL SQ.MTS. TOTAL
GR. FLOOR	704.16	------	704.16	178.05	704.16	178.05	882.21		
1ST FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
2ND FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
3RD FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
4TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
5TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
6TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
7TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
8TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
9TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
10TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
11TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
12TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
13TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
14TH FLOOR	------	724.68	724.68	724.68	------	1449.36	1449.36		
TOTAL	704.16	10145.52	10849.68	10323.57	704.16	20469.09	21173.25		

USES & UNIT AREA TABLE

FLOOR	USE BLOCK A+B	USE BLOCK C+D	UNITS BLOCK A+B SHOP	UNITS BLOCK A+B RESI.	UNITS BLOCK C+D SHOP	UNITS BLOCK C+D RESI.	UNITS TOTAL SHOP	UNITS TOTAL RESI.
1ST.BASEMENT	PARKING	PARKING	---	---	---	---	---	---
2ND.BASEMENT	PARKING	PARKING	---	---	---	---	---	---
GR. FLOOR	SHOP MRTERRM PARKING	SOCI.COM.AME MRTERRM PARKING	14	---	---	14	---	---
1ST FLOOR	RESI.	RESI.	---	08	08	---	---	16
2ND FLOOR	RESI.	RESI.	---	08	08	---	---	16
3RD FLOOR	RESI.	RESI.	---	08	08	---	---	16
4TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
5TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
6TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
7TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
8TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
9TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
10TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
11TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
12TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
13TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
14TH FLOOR	RESI.	RESI.	---	08	08	---	---	16
TOTAL	PARKING/ SHOP/RESI.	RESI.	14	112	112	14	224	

REQ. PARKING AREA TABLE

TOTAL USED F.S.I. AREA = 21173.25 SQ.MTS.
COMM. F.S.I. AREA = 704.16 SQ.MTS.
RESI. F.S.I. AREA = 20469.09 SQ.MTS.

COMM. REQ. PARKING AREA

REQ. PARKING AREA @ 50 % 704.16 x 0.50 = 352.08 SQ.MTS.
REQ. CAR PARKING AREA @ 50 % 352.08 x 0.50 = 176.04 SQ.MTS.
REQ. OTHER PARKING AREA @ 30 % 352.08 x 0.30 = 105.62 SQ.MTS.
REQ. VISITOR PARKING AREA @ 20 % 352.08 x 0.20 = 70.42 SQ.MTS.

RESI. REQ. PARKING AREA

REQ. PARKING AREA @ 20 % 20469.09 x 0.20 = 4093.82 SQ.MTS.
REQ. CAR PARKING AREA @ 50 % 4093.82 x 0.50 = 2046.91 SQ.MTS.
REQ. OTHER PARKING AREA @ 40 % 4093.82 x 0.40 = 1637.53 SQ.MTS.
REQ. VISITOR PARKING AREA @ 10 % 4093.82 x 0.10 = 409.38 SQ.MTS.

COMM. PROVI. PARKING AREA CAL

GROUND FLOOR
CAR PARKING
(1) 6.45 X 3.68 = 23.74
(2) 6.92 X 7.95 = 55.01
TOTAL = 78.75
OTHER PARKING
(3) 3.05 X 8.32 = 25.38
(4) 14.48 X 4.63 = 67.04
(5) 1(2/1.48+1.80) X 11.85 = 19.43
TOTAL = 111.85
VISITOR PARKING
(6) 1(2/2.62+1.80) X 32.15 = 71.05

P.H. CAR PARKING TABLE
REQ. 25 CAR NOS / 2 CAR NOS
113 CAR REQ = 10 NOS CAR P.H. CAR PARKING
PROVIDED 10 NOS CAR P.H. CAR PARKING

RESI. PROVI. PARKING AREA CAL

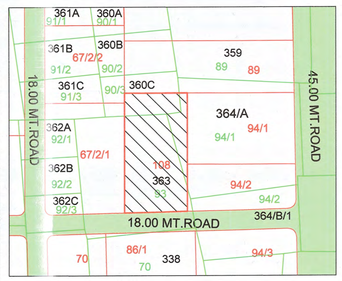
GROUND FLOOR
VISITOR PARKING
(7) 5.92 X 11.39 X 2 = 134.74
(8) 9.73 X 3.97 X 2 = 77.26
(9) 12.70 X 8.78 X 1 = 111.51
(10) 14.48 X 4.63 X 1 = 67.04
(11) 6.45 X 6.27 X 1 = 40.44
TOTAL = 430.99

LIFT CALCULATION

FLOOR	BLOCK-A+B	BLOCK-C+D
3RD TO 14TH FLOOR	96	96
1 LIFT REQD. / 30 NO. (8 PERSON)	4	4
LIFT PROVIDED	4 (10 PER.)	4 (10 PER.)

REQ. & PROVI. PARKING AREA TABLE

	REQ. COMM.	REQ. RESI.	REQ. TOTAL	PROVI. GR. LVL. COMM.	PROVI. GR. LVL. RESI.	PROVI. 1ST. BASEMENT COMM.	PROVI. 1ST. BASEMENT RESI.	PROVI. 2ND. BASEMENT COMM.	PROVI. 2ND. BASEMENT RESI.	PROVI. TOTAL COMM.	PROVI. TOTAL RESI.
CAR PARKING	176.04	2046.91	2222.95	78.75	------	99.23	2672.64	------	2469.66	177.98	5522.50
OTHER PARKING	105.62	1637.53	1743.15	111.85	------	------	963.16	------	1148.21	111.85	2111.37
VISITOR PARKING	70.42	409.38	479.80	71.05	430.99	------	------	------	------	71.05	430.99
TOTAL	352.08	4093.82	4445.90	261.65	430.99	99.23	3635.80	------	3598.07	360.88	8064.86



KEY PLAN
SCALE:- 1CM. = 2.00 M.

RESIDENTIAL AFFORDABLE HOUSING PROJECT. [1/7]

LAY - OUT PLAN & PARKING PLAN

PLAN SHOWING PROPOSED COMM. + RESI. BUILDING ON F.P. NO : - 108 SUR.NO :- 383 O.P. NO : - 108 D.T.P.S.NO.- 1 (SHELA)
MOJE :- SHELA
TALUKA. : SANAND, DISTRICT: AHMEDABAD.

SCALE : 1CM = 2.0M.
ZONE AS PER 2021:-GME +
RESIDENTIAL AFFORDABLE HOUSING ZONE (RAH - 1)
USE :- SHOP + RESIDENCE

AREA TABLE :-

	SQ.MTS.
PLOT AREA OF F.P. NO -	6010.00
REQ. COMMON PLOT @ 10 %	601.00
PROV. COMMON PLOT	772.99
PROPOSED B.A ON GR. FLOOR	2424.59
OPEN PLOT AREA	3585.41
PERMI. F.S.I. AREA @ 1.1.20 (6010.00 X 1.20)	7212.00
PERMI. CHARG. F.S.I. AREA @ 2.80 (6010.00 X 2.80)	16828.00
TOTAL PERMI.+ CHARGEABLE (6010.00 X 4.00)	24040.00
(MAXIMUM PERMI. F.S.I. @ 4.0 AS CGDCR CL. NO - 6.3.1(d)	
TOTAL PROP. F.S.I. AREA	21173.25
USED CHARGEABLE F.S.I. (21173.25 - 7212.00)	13961.25
BALANCE F.S.I. AREA	2866.75

આણંદ મહાનગર સેવા સદન સંચાલક
રહેઠાણ કચેરીને રજૂ કરેલ છે.
T.H. Patel
આણંદ-૨ / કચેરી

TREE PLANTATION CAL. :
PLOT AREA = 6010.00 SQ.MT.
601.00 SQ. MT. = 5 NOS. TREE REQ.
6010.00 / 200.00 x 5 = 150.25 NOS.
SAY 151 NOS.
PROVIDE 151 NOS. TREE.

CONTAINER BIN AREA CALC. (COMM.)
RESI : 1 UNIT 20 LIT. REQ. 1 CONTAINER
TOTAL UNIT 14 x 20 LIT. = 280 LIT.
280 / 80 = 3.50 SAY 4 NOS. CONT.
REQU. 4 NOS BIN OF 80 LIT CAP.
PROVI. 4 NOS BIN OF 80 LIT CAP.

PERCOLATING WELL CALC:-
REQ. 1500 TO 4000 SMT= 1 NOS.
6010.00 / 4000.00 = 1.50 NOS. SAY 2 NOS
SAY REQ. P.WELL = 2 NOS.
PROVI. P.WELL = 2 NOS.

CONTAINER BIN AREA CALC. (RESI.)
RESI : 1 UNIT 10 LIT. REQ. 1 CONTAINER
TOTAL UNIT 224 x 10 LIT. = 2240 LIT.
2240 / 80 = 28 SAY 28 NOS. CONT.
REQU. 28 NOS BIN OF 80 LIT CAP.
PROVI. 28 NOS BIN OF 80 LIT CAP.

SPACE FOR SOLAR
1 UNITS = 5 KW
224 UNITS = 1120 KW
5 % OF 270 KW= 56 KW
1 KW REQUIRE 12 SQ.MTS.
56 KW PROVIDED = 672 SQ.MTS.

DENSITY
225 UNITS / HECTOR
REQUIRE 6010.00 SQ.MTS. = 136 UNITS
PROVIDED = 224 UNITS

NOTE :-
WORK TO BE DONE AFTER ENVIROVMENT CLEARANCE CERTIFICATE SUBMITTED IN AUDA

COLOUR NOTE:-
PLOT BOUNDARY
ROAD
PROPOSED WORK
PROPOSED DRAINAGE
PERCOLATING WELL
TREE
COMMUNITY BIN
SPINKLER
COMMON PLOT
PROVI. PARKING

VIREN J. HIHORIYA
AT POST, DEVALIY BOTAD, RAMPUR-382245.
COW AUDA LIC NO. : 11140W2302281225
S.O.R. AUDA LIC NO. : 11140S2302281269
C.O.W.

VIREN J. HIHORIYA
AT POST, DEVALIY BOTAD, RAMPUR-382245.
COW AUDA LIC NO. : 11140W2302281225
S.O.R. AUDA LIC NO. : 11140S2302281269
S.O.R.

KINAL D. SONI
ENGINEER AUDA
C-28, Sudarshan Tower, Nr. Nirant Park, Bus-N-Stop Road, Thaltej, Ahmedabad-380059.
LIC No. : AUDA/ENGG/966
ENGINEER

NELSON N. MACWAN
STA.ENG.LIC. NO.:AUDA/SD-1/W0340(GRADE-1)
Shop -03, Mangal Tirth Complex-3, Opp. Dharoidhar Derasar, Ayojannagar, Vasna, Ahmedabad.
STRUCTURAL ENGINEER

J.H. Patel
D.S. Anubhai
OWNER

PRANAV S. PATEL
A/12, JAYA IMPRABUILD
NR. BASANT BAHAR-3,
BOPAL-GHUMA ROAD, BOPAL.
LIC NO. : DEV-11140V0611251054
DEVELOPER

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

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

DISPATCH BY

APPROVED
As amanded by Red (Colour) Subject to the condition as mentioned in the office Letter PRM No. 17/3/2023
Dated 20 APR 2023

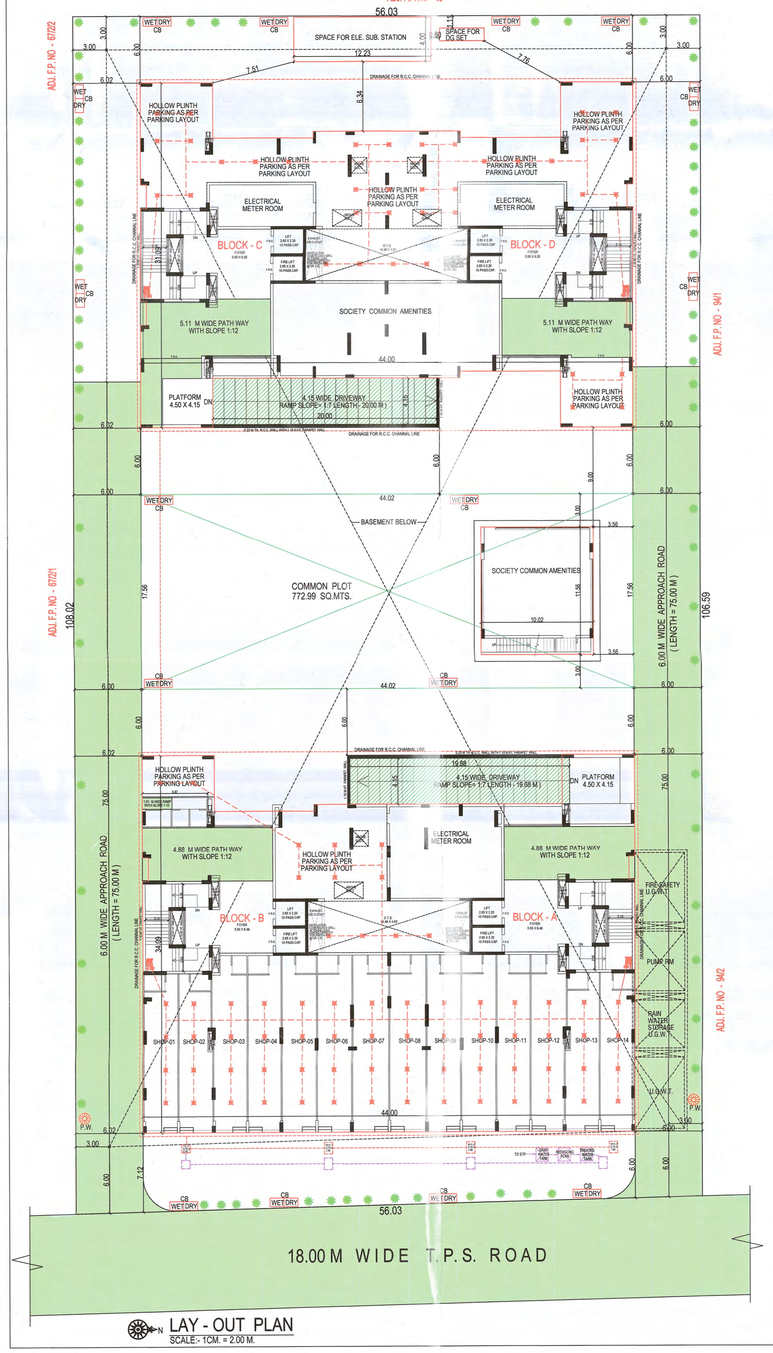
Note Approved by C.E.A

No - 0063

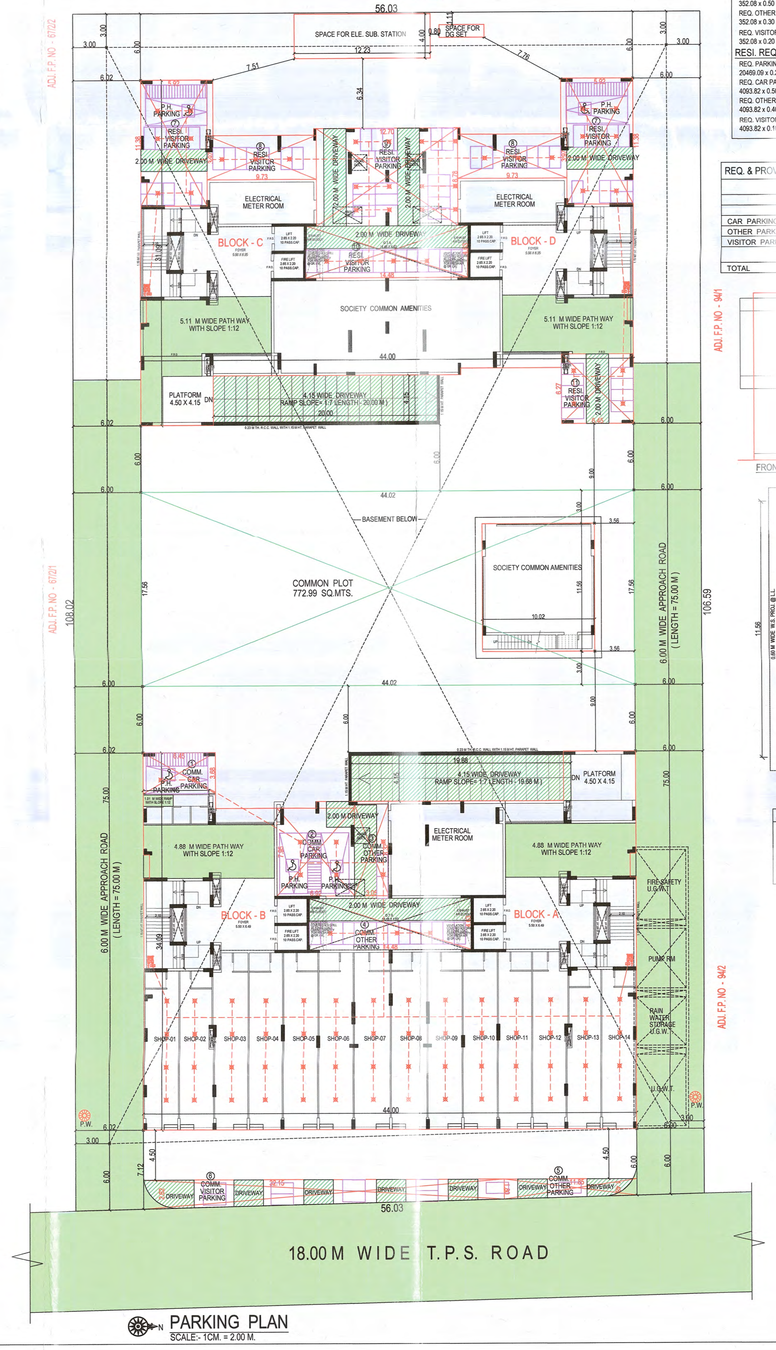
JUNIOR TOWN PLANNER
Ahmedabad Urban Development Authority
Ahmedabad.

Senior Town Planner
Ahmedabad Urban Development Authority
Ahmedabad.

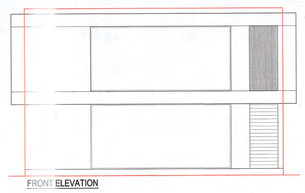
AUTHORITY :-



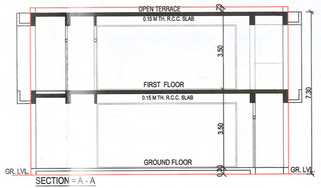
LAY - OUT PLAN
SCALE:- 1CM. = 2.00 M.



PARKING PLAN
SCALE:- 1CM. = 2.00 M.



FRONT ELEVATION


OPEN TERRACE
0.15 M TH. R.C.C. SL