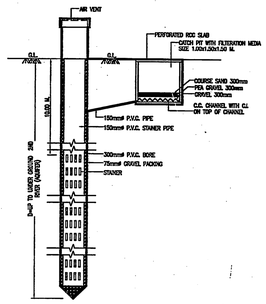
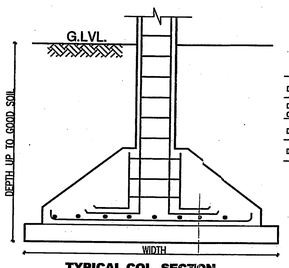
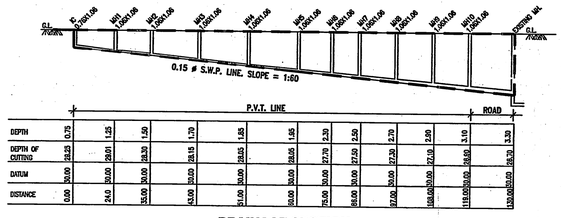


PERCOLATION WELL
FOR BUILDING IUNIT 1500.00 SQ. MTRS. OR
MORE AND UP TO 4000.00 SQ. MTRS AND PART THERE OF IT.
NOTE : STRUCTURE DESIGN AS PER STRUCTURAL ENGG.
(THIS IS ONLY SKETCH PLAN)



TYPICAL COL. SECTION
AS PER STRUC. DESIGN



DRAINAGE SECTION
SCALE : (N.T.S)

NOTES:-

* ITS CERTIFIED THAT PLOT UNDER REFERENCE IS SURVEYED BY ME AND THE DIMENSIONS OF ALL SIDES OF 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 & POSITION OF EX. MUNI. M.H. IS VERIFIED BY ME ON SITE & PREMISES GATES DRAIN. CONNECTION.
* IT IS CERTIFY THAT ACCORDING TO CGDCR 2017, ALL REQIREMENTS OF THA BUILDING AREA CHECKED AND NECESSARY ACTIONS ARE TAKEN.
* IT IS CERTIFY THAT ACCORING 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 STANDARS.
* DESIGN OF STAIRCASE AND RAILING IS PROVIDE AS PER THE PROVISION OF THE CLAUSE NO.21.1.12 AND 21.1.14 AND 22.6. OF CGDCR 2017.
* PEDESTRIANS RAMP IS IROVIDED AS PER THE PROVISION OF THE CLAUSE NO.21.1.15 OF CGDCR 2017.
* LIFT IS PROVIDED AS PERTHE PROVISION OF THE CLAUSE NO. 21.12 AND 22.8 OF CGDCR 2017.
* WATER TANK IS PROVIDID 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 PROVIDE AS PER CLAUSE NO.21.11 OF CGDCR 2017.
* DRINKING WATER FACILITY FOR DISABLED PERSON IS PROVIDE AS PER THE CLAUSE NO.21.6.2 OF CGDCR 2017.
* DRAINAGE FACILITY IS PROVIDE AS PER THE CLAUSE NO. 21.10OF CGDCR 2017.
* SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDE AS PER THE CLAUSE NO. 21.7 OF CGDCR 2017.
* ENTRANCE OF THE BUILDING IS PROVIDE AS PER CLAUSE NO. 21.1.7 OF CGDCR 2017.
* THE PAVING OF BUILDING UNIT/FINAL 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 SPECIFIED IN THE INDIAN STANDARD AND NACESSARY ACTION SHALL BE TAKEN FOR THE STRUTURAL SAFTY 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 PROVIDE AS PER THE PROVISION OF THE CLAUSE NO. 25.3 OF CGDCR 2017.
* GREY WATER RECYLING SYSTEM & DUAL PLUMBING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 25.4 OF CGDCR 2017.
* TREE PLANTATION S 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 CGDCR 2017.
* POLLUTION CONTROL SYSTEM IS PROVIDE AS PER THE CHAPTERNO. 26 OF CGDCR 2017.
* FIRE SAFETY SYSTM IS PROVIDED AS PER CHAPTER NO. 22 OF CGDCR 2017.
* FIRE SAFETY PROVISIONS SHALL BE MADE AS PER CHAPTER FIRE PREVENTION AND LIFE SAFEYTY MEASURES REGULATION-2016 AND FIRE PREVENTION AND LIFE SAFETY MEASURES ACT-2013.
* MAINTENANCE AND UPGRADATION OF BUILDING IS AS PER CHAPTER NO. 27 OF CGDCR OF 2017.
* MARGINAL SPACE & CELLER SLAB SHALL HAVE LOAD BEARING CAPACITY OD 40/60 TONNES PER SQUARE METER SHALL BE PROVIDED AS PER CHAPTER NO. 22.3OF C.G.D.C.R-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 REFLACTIVE AND PROVIDE UPTO MAX.50% OF THE TOTAL SURFACE AREA OF EACH FACADE WITH THE PROVISION OF SAFETY SILL LEVEL AS PER GDCR CL. NO. 23.13.

PERCOLATING WELL CAL.

NET PLOT AREA = 3517.13 SQ. MTRS
PER 1500 TO 4000 SMT. = 1 NO OF PERC. REQ.
= 3517.13/4000 = 0.88 SAY 1 NOs. OF PERCO.
PROVIDED PERCOLATING WELL = 1 NOs.

TREE PLANTATION CAL.

NET PLOT AREA = 3517.13 SQ. MTRS
PER 200 SMT. =3 NO OF TREE REQD.
= 3517.13/200 = 17.59X3= 52.77
SAY53 NOs. OF TREE REQD.
PROVIDED TREE =53NOs.

COMMON PLOT

NET PLOT AREA = 3517.13 SQ. MTRS
REQ.COMM.PLOT@ 20%
(3517.13X0.20) = 703.43 SQ.MT.
PROVIDED COMM.PLOT:-
(1) 1/2X (6.00+8.78) X 23.01 = 170.04
(2) BY P.LINE AREA = 26.73
(3) 1/2X (17.11+8.81) X 36.44 = 472.26
(4) 1/2X 8.27 X 7.32 = 30.27
(5) 1/2 X 7.32 X 2.48 = 9.08
TOTAL = 708.38
PROV. COMM.PLOT AREA 708.38 SQ.MT.

* COMMUNITY BIN (CONTAINER) CAL. (COMM. USE)

TOTAL FLOOR AREA = 8430.46 SMT
REQ. FL AREA /100 = 8430.46/100= 84.30 SMT.
84.30 X 20 = 1686.00 LTR.
MAXI. CAP OF CONTAINER 80 LTRS.
1686.00/80 = 21.08 SAY 22 NO REQ.
PROVIDED 22 NO. CONTAINER 80 LTRS.
TOTAL PROV. COMMUNITY BIN 22 NOS.

LIFT CALCULATION:-

REQ. LIFT CALCULATION = 1 LIFT REQ. PER 1000 SMT. (6 PERSON CAP.) ABOVE SECOND FLOOR

ABOVE SECOND FLOOR B.UP AREA	REQ. LIFT	PROV. LIFT
6049.27 SMT.	6 NOS. (CAP.6 PERSON EACH)	3 NOS. EACH LIFT 14 PERSON

SANITARY AREA CALC:-

TOTAL FLOOR AREA = 8430.46 SMT
REQ. 1 USERS FOR EACH 4 SQMT FL.AREA
8430.46 SMT/ 4 = 2107.62 SAY 2108 USERS ≤ 1054 USERS GENTS, 1054 USERS LADIES

CINEMA :-
TOTAL SEAT 190 X 3 = 570 SEAT
186 = 186 SEAT
TOTAL = 756 SEAT

REQ. SANITARY CALCULATION :-

TOTAL 2108 USERS		> 500 1 PER 50 USERS	TOTAL	25 % COMMON REQ.	NET REQ. OTHER THAN COMMON
1054 GENTS USERS	URINAL	10	10	2.50 SAY 3	13
	W.C.	5	5	2+1(P.H. TOL)	8
1054 LEDIES USERS	W.C.	5	5	1.25 SAY 2	7
TOTAL	W.C. & URINAL		-	7+1(P.H. TOL)	28

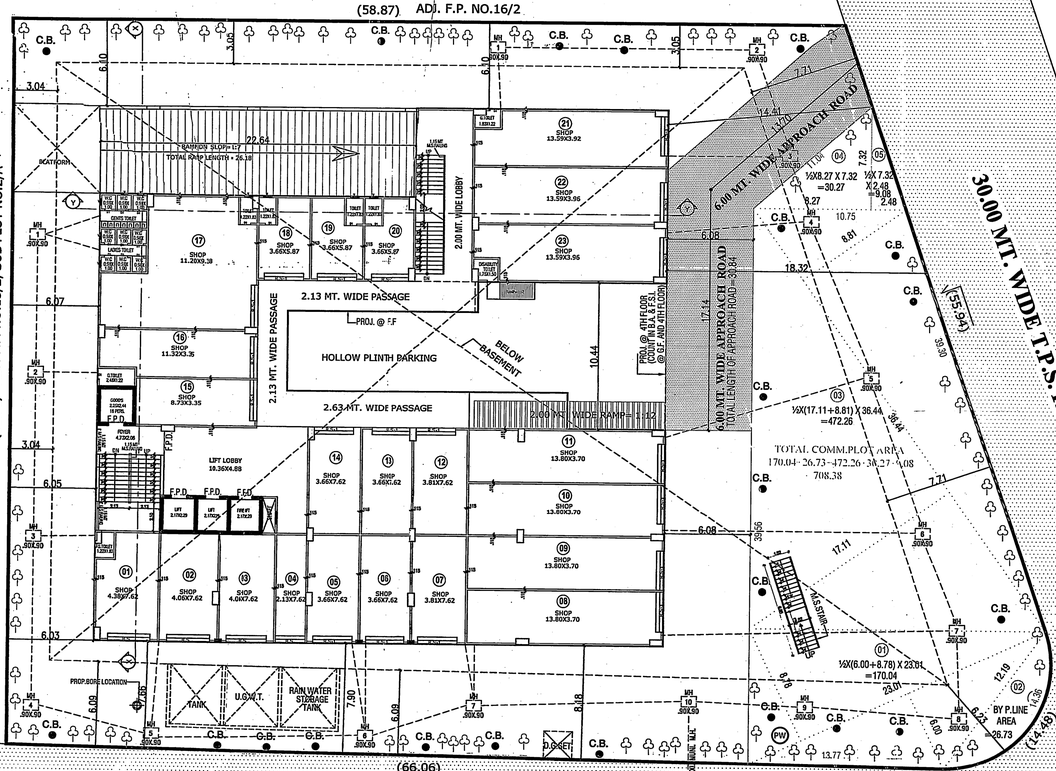
REQ. SANITARY CALCULATION FOR CINEMA :-
URINAL 2 FOR 75 SEAT = 21 URINAL REQ.
W.C. 1 FOR 100 SEAT = 8 W.C.REQ.
WASH BASIN 1 FOR 200 SEAT = 4 W.B. REQ.

TOTAL REQ. SANITARY CALC. OF CINEMA+COMM.			TOTAL
GENTS USERS	URINAL	6+10	16
	W.C.	5+5	10
LEDIES USERS	W.C.	6+5	11

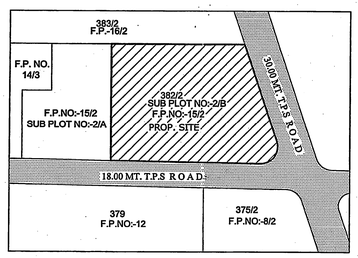
PROVIDE SANITARY :-

COMMON SANITARY				OTHER THAN COMMON SANITARY FOR NET REQUIREMENT	
		NOS.	FLOOR LVL	FLOOR LVL	NOS OF W.C. IN SHOP/OFFICE
GENTS	URINAL	16	GR. FL.	GR. FL.	12
	W.C.	6	GR. FL.	1ST. FLR.	07
LEDIES	W.C.	6	GR. FL.	2ND FLR.	07
PHYSICAL HANDICAP TOILET		1	GR. FL.	3RD FLR.	07
GENTS	W.C.	05	4TH. FLR. & 5TH. FLR.	4TH. FLR.	-
				5TH. FLR.	-
LEDIES	W.C.	15		6TH. FLR.	-
TOTAL W.C	-	33	-	TOTAL	33
TOTAL PROVIDED W.B. 5 NOS.			5TH. FLR.		-

The basic requirememns for fire protection Highrise buildings.
1) Hydrant system
ON/OFF switches located near the house reel house or hydrant outlet, at each floor for the main fire-pump at the underground water tank with a capacity to discharge 900 lit per min 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 150mm internal diameter. The riser should be connected to the bottom of the terras tank with a stop valve and a NRV to act as a Downcommer.
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 each floor level.
Each floor should have one hydrant outlet with a coupling for attaching a 63mm. dia. house.
25mm. bore house-reel house with 8mm. shut-off nozzle at each floor landing. The length of the house reel house should be enough to reach the farthest corner of the floor. house-box with 15 meters long 63mm. dia. house and 12.5mm. bore nozzle at alternate floors. The house-reel hose should be coupled to the riser.
Fire-servis inlet should be installed at a point near the entry to the premises where a fire service vehicle can approach easily.
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 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 part than each part should have a fire-well should have blowers to pressurize the lift-well so connected that it will automatically operate when alarm call point is operated, 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 capabel of being heard all throughout the building.
4)Fire Extinguishers:
one CO2 extinguisher of 4.5kg. and one extinguisher of 5kg. DCP to be installed on each floor in case of commercial building.
AND/OR
two CO2 extinguisher of 2kg. capacity on each floor and 5kg. DCP extinguisher on all-inside floor in case of residential buildings.
if the building is divided into two or more parts then each parts should have these extinguisher installed.
5)staircase:
The staircase has to be open from at least one or two side but if the staircase is in the center core of the building it has to be pressurize to prevent it getting smoke logged. and open for two side.
The Riser / Downcommer should be located in in the staircase or close to it to make it easily approachable in case of fire from the floor bellow or above.
6) Basement:
The basment of 200kg meter or more should be protected with; Automatic sprinkler system with at least one sprinkle head for a car parkang space.
Additionally be protected by a Hydrant outlet and two 25mm. bore House-reel houses 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.



LAYOUT PLAN
SCALE 1: 2.0 M.



KEY PLAN
SCALE : 1:20

18.00 MT. WIDE T.P.S . ROAD

આ પ્લાન મંજુર કરવામાં આવે છે તે ફક્ત પ્લાન પુરતો જ મર્યાદિત છે. આ પ્લાન મંજુર કરવાથી જમીન કે મકાન ઉપરનો માલીકી હક્ક મંજુર થયો ગણાશે નહી. તે બાબતની જવાબદારી અરજદારની રહેશે.

RESPONSIBILITY (C.G.D.C.R.-2017 CL. NO. 3.3.3 & 3.3) :-
APPROVAL OF DRAWINGS AND ACCEPTANCE OF ANY STATEMENT, DOCUMENTS/STRUCTURAL REPORT, STRUCTURAL DRAWINGS, PROGRESS CERTIFICATE OR BUILDING COMPLETION 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 (C.G.D.C.R.-2017 CL. NO. 3.3.1) :-
NOTWITHSTANDING ANY DEVELOPMENT PERMISSION GRANTED UNDER THE ACT AND THESE REGULATIONS, ANY PERSON UNDERTAKING ANY DEVELOPMENT WORK SHALL CONTINUE TO BE WHOLLY AND SOLELY LIABLE FOR ANY PUBLIC OR DAMAGE OR LOSS WHATSOEVER THAT MAY BE CAUSED TO ANY ONE IN OR AROUND THE AREA DURING SUCH CONSTRUCTION AND NO LIABILITY WHATSOEVER IN THIS REGARD SHALL BE CAST ON THE AUTHORITY

SCRUTINIZE COPY
NO....Dt.18/05/18.
TDO, BPSP , AMC

COMMERCIAL + CINEMA PROJECT

PROP.LAYOUT SHOWING COMM. ON S.P.NO.-2 OF F.P. NO.-15/2, SUB PLOT NO.-2/B, T.P.S.-110 (NIKOL-KATHAWADA),FINAL R.S. NO.-382/2(NIKOL) MOJE.- NIKOL, TA: ASARVA, DIST.:-AHMEDABAD.

LAYOUT PLAN

SCALE : 1 CM =2.0 MT.	SHEET NO. : 01
ZONE : RESI.-I(R1)	USE. : COMM.+CINEMA+BANQUATE-HALL (ASSEMBLY:1+3)

AREA TABLE

	IN SQ.SMT.
PLOT AREA OF SUB PLOT NO.2/B	= 3517.13
REQ. COMM PLOT @ 20% (3517.13 X 0.20)	= 703.43
PROV. COMM PLOT	= 708.38
PERMISSIBLE F.S.I. AREA 1 : 1.8 @ PLOT AREA (3517.13X1.8)	= 6330.83
PERMISSIBLE CHARGE F.S.I. (3517.13X0.50)	= 3165.42
TOTAL PERMISSIBLE F.S.I.	= 9496.25
TOTAL UTILIZED F.S.I. AREA(USE)	= 8430.46
UTILIZED CHARGEABLE F.S.I. (8430.46-6330.83)	= 2099.63
BALANCE F.S.I.	= 1065.79

BUILT UP AREA TABLE SMT.

FLOOR	AREA
BASEMENT-1	2422.05
BASEMENT-2	2422.05
G. FLOOR	1399.00
1ST FLOOR	1352.51
2ND FLOOR	1352.51
3RD FLOOR	1352.51
4TH FLOOR	1612.14
5TH FLOOR	1542.31
6TH FLOOR	1542.31
STAIR CABIN ,LIFT, M.S.LEADER	78.72
LIFT MACH. O.H.W.T.	56.27
TOTAL	15132.38

F.S.I. AREA TABLE SMT.

FLOOR	AREA
BASEMENT-1	--------
BASEMENT-2	--------
G. FLOOR	1258.17
1ST FLOOR	1212.63
2ND FLOOR	1212.63
3RD FLOOR	1212.63
4TH FLOOR	1400.59
5TH FLOOR	666.61
6TH FLOOR	1467.20
STAIR CABIN ,LIFT, M.S.LEADER	--------
LIFT MACH. O.H.W.T.	--------
TOTAL	8430.46

FLOOR AREA (IN SMT.)

FLOOR	USE	NO. OF UNIT	AREA
G.FLOOR	SHOP	23	1258.17
1ST.FLOOR	OFFICE	22	1212.63
2ND.FLOOR	OFFICE	22	1212.63
3RD.FLOOR	OFFICE	22	1212.63
4TH. FLOOR	HALL+RESTAURANT	02	1400.59
5TH. FLOOR	CINEMA	00	666.61
6TH. FLOOR	CINEMA	04	1467.20
TOTAL		95	8430.46

SCHEDULE OF OPENING

DOOR	WINDOW
R.S = 3.00 X 2.13	W = 2.00 X 1.20
R.S-1= 2.80 X 2.13	V = 0.61 X 0.61
D = 1.37 X 2.13	
D1 = 0.76 X 2.13	
D2 = 0.91 X 2.13	

STAIRCASE DETAILS

WIDTH=2.13 MTR.	WIDTH=2.02 MTR.
RISER=0.16 MTR.	RISER=0.16 MTR.
TREAD=0.30 MTR.	TREAD=0.30 MTR.

COLOUR NOTES :

PROP. WORK
ROAD
F.P. BOUNDARY
PERCOLATING WELL (PW)
PARKING
PROP.DRAIN
TREE
CONTAINER BIN (C.B.)
SPRINKLER (SPR)

NOTE:-
(1) EARLIER SUB DIVISION APPROVED CASE NO.LTS/EZ/171017/GDR/A9286/M1

(૧) મહેન્દ્રભાઈ પરસોત્તમભાઇ પટેલ
(૨) સાકરભાઈ મોતીભાઈ દેસાઈ
(૩) હિરોકભાઈ ભાઈકાકાભાઈ ચૌહદીયા
(૪) બાલકદાસ લાલજીદાસ રેવાકુમારની વિધવા

આ પાવર ઓફ એટર્ની હોલ્ડર તથા ધોરે
શ્રી ભાવિન લક્ષ્મીદાસ શાહ

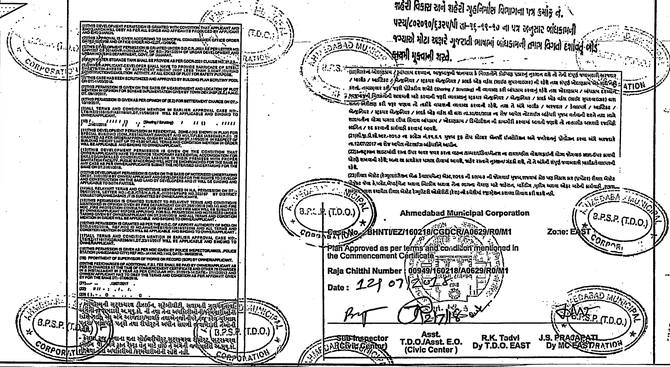
OWNER :

FOR, NEEL DEVELOPERS
PARTNER
LIC NO:- DEV801080921
DEVELOPER:

P.B. GOTI B.TECH.(Archi. Engg.)
C.E., M.I.E., F.I.V., M.A.S.C.E.(U.S.A)
216, Hariom Chambers N.H.No. 8,
Thakkar nagar Approach, A'bad-382350
Licence No: A.M.C : ER
1234071222
ENGINEER

MAYANK V. VIRADIYA
A-1,2nd Floor,Sardar Patel Mall,
Nikol Gam Road,Ahmedabad
AMC LIC NO.CW 0477150920 R1
C.O.W.

BHAVIK R. SHAH (M. Tech. Structure)
B/203,PRIT,NR. SONAL CROSS ROAD
OPP. SHARDA SCHOOL, GURUKUL ROAD
MEMNAGAR, A'BAD-380013
(Regd. No. SD-0326220919 R1)
STR. ENGINEER :



Ahmedabad Municipal Corporation
Permission No. BHNT/EZ/160218/CGDCR/A9629/R0/M1 Zone: EAST
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number 0000/160218/A9629/R0/M1
Date : 12/07/18

Asst. T.D.O./Asst. E.O. (Civic Center) R.K. Tadvi Dy T.D.O. EAST J.S. PRAGNATI Dy MC-EXPIRATION

PROVIDED PARKING.....

BLOCK	CAR	OTHER	VISITOR	TOTAL
G.F MARGIN (COMM.)	-------	-------	(1) 15.59 X 7.81 = 122.00 SMT. (2) 13.45 X 8.44 = 113.52 SMT. (3) ½ X (3.78+7.88)X17.62 = 102.72 SMT. (3a) 1/2 X 4.18 X 1.76 = 3.68 SMT. (4) ½ X (4.74+8.19) X 16.76 = 108.35 SMT. (4a) 6.08 X 2.29 = 13.92 SMT. (5) ½ X (2.79+2.75) X 6.49 = 17.98 SMT. (5a) ½ X (1.54+1.22) X 6.02 = 8.31 SMT. (5b) ½ X (2.08+3.04) X 6.12 = 15.67 SMT. (5c) ½ X (3.11+3.16) X 6.23 = 19.53 SMT. TOTAL = 525.68SMT. * LESS M.S. STAIR = 10.11 SMT. * LESS P.H. RAMP = 6.26 SMT. = 16.37 SMT. NET PARKING AREA= 525.68 - 16.37 = 509.31	509.31
TOTAL			= 509.31	509.31
BASEMENT-1	(13) ½ X (9.76+8.03)X22.96 = 204.23 SMT. (14) ½ X (13.31+13.60)X28.07 = 377.68 SMT. (15) ½ X (7.73+7.95)X18.10 = 141.90 SMT. (18) 19.36 X 5.75 = 111.32 SMT. (19) 11.40 X 10.44 = 119.02 SMT. TOTAL = 954.15 SMT. * LESS M.S. STAIR = 1.52 X 6.65 = 10.11 SMT. NET PARKING AREA = 954.15 - 10.11 = 944.04 SMT.	(7) 7.94 X 3.05 = 24.22 SMT. (9) 6.00 X 5.98 = 35.88 SMT. (9a) 6.00 X 3.83 = 22.98 SMT. (10) 4.50 X 4.40 = 19.80 SMT. (11) ½ X (5.89+5.29) X 20.97 = 114.99 SMT. (12) 12.38 X 4.44 = 54.97 SMT. (16) 2.82 X 10.52 = 29.67 SMT. (17) 6.10 X 13.41 = 81.80 SMT. (20) 8.07 X 3.34 = 26.95 SMT. (21) 8.07 X 2.37 = 19.13 SMT. (22) 8.07 X 4.74 = 38.25 SMT. TOTAL = 468.64 SMT.	(6) 30.30 X 2.82 = 85.45 SMT. (8) ½ X (4.71+4.02)X12.98 = 56.66 SMT. (8a) 2.51 X 7.58 = 19.03 SMT. (8b) 2.17 X 4.40 = 9.55 SMT. (13a) ½ X (1.71+3.56) X 7.71 = 20.32 SMT. (14a) ½ X (4.87+4.83) X 12.91 = 62.61 SMT. (19a) 6.37 X 3.13 = 19.94 SMT. TOTAL = 273.56 SMT.	1686.24
BASEMENT-2	(25) ½ X (5.70+4.97)X17.24 = 91.98 SMT. (26) ½ X (15.30+23.24)X47.27 = 910.89 SMT. (27) ½ X (9.98+10.15)X19.98 = 201.10 SMT. TOTAL = 1203.97 SMT. * LESS M.S. STAIR = 1.52 X 6.65 = 10.11 SMT. NET PARKING AREA = 1203.97 - 10.11 = 1193.86 SMT.	(23) 30.30 X 2.82 = 85.45 SMT. (24) ½ X (3.01+2.85)X19.40 = 56.84 SMT. (28) ½ X (7.87+8.10)X18.43 = 147.16 SMT. (29) 2.82 X 10.52 = 29.67 SMT. (30) 6.10 X 19.85 = 121.09 SMT. (31) 19.47 X 16.20 = 315.41 SMT. (32) 4.73 X 8.85 = 41.86 SMT. TOTAL = 797.48 SMT.	(31a) 6.37 X 3.13 = 19.94 SMT. (27a) 14.52 X 3.13 = 45.45 SMT. TOTAL = 65.39 SMT.	2056.73
TOTAL	= 2137.90	= 1266.12	= 848.26	4252.28

REQ. LOADING UNLOADING PARKING - PER 1000 SQ.MTS. 1NOS,SIZE (10.00 X 5.00),COMM. F.S.I. = 8430.46 < 1000 SQ.MT.

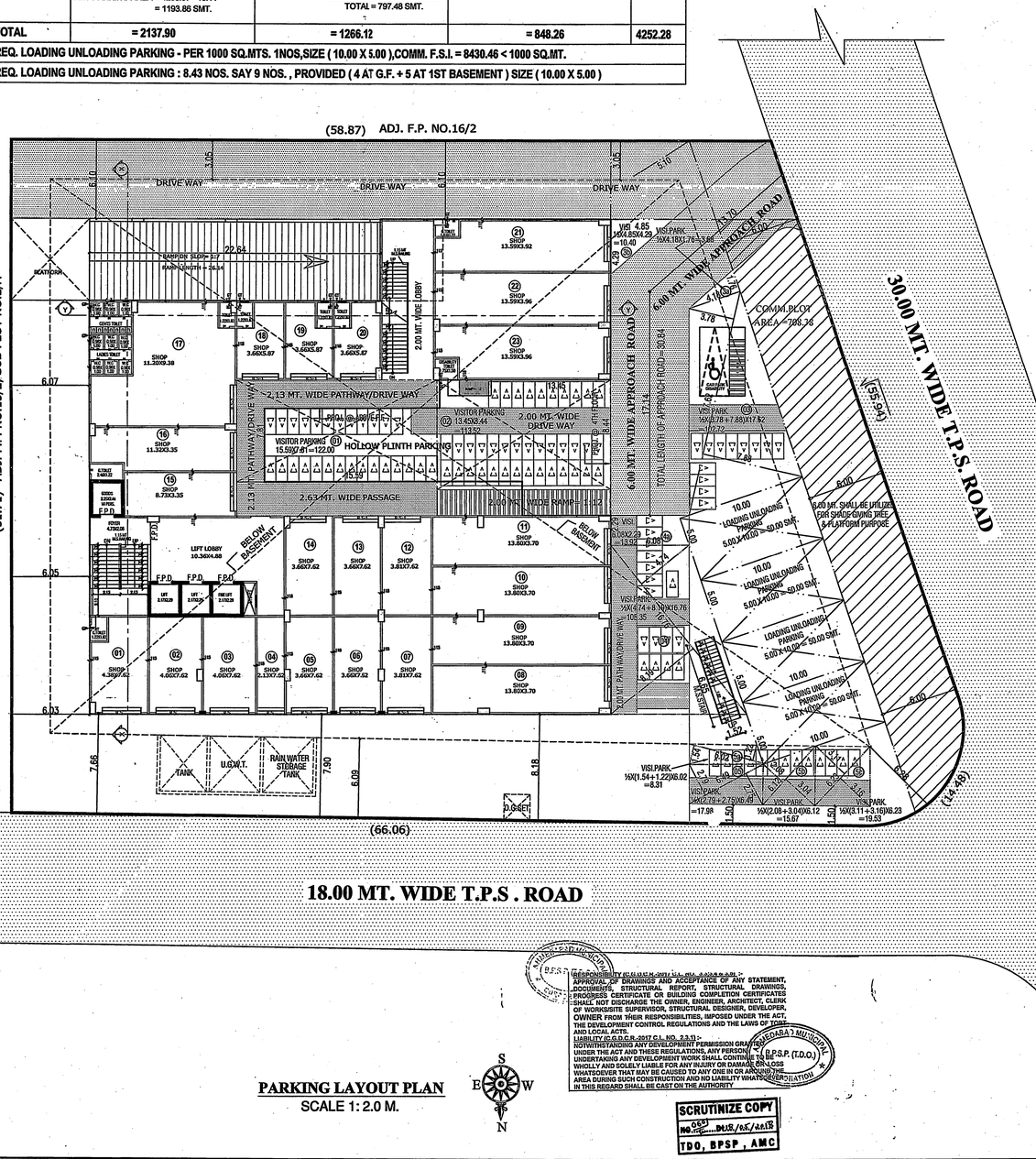
REQ. LOADING UNLOADING PARKING : 8.43 NOS. SAY 9 NOS. , PROVIDED (4 AT G.F. + 5 AT 1ST BASEMENT) SIZE (10.00 X 5.00)

PARKING AREA TABLE :-

COMM F.S.I = 8430.46 SMT.		
COMM.		
8430.46 X 50% = 4215.23 SMT.		
	REQ. (1)	PROV. (2)
VISITOR @ 20%	843.05	848.26
CAR @ 50 %	2107.61	2137.90
OTHER @ 30 %	1264.57	1266.12
TOTAL	4215.23	4252.28

The basic requiremenms for fire protection Highrise buildings.
1) Hydrant system
ON/OFF switches located near the house reel house or hydrant outlet, at each floor for the main fire-pump at the underground water tank with a capacity to discharge 900 lit per min 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 150mm internal diameter. The riser should be connected to the bottom of the terras tank with a stop valve and a NRV to act as a Downcommer.
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 each floor level.
Each floor should have one hydrant outlet with a coupling for attaching a 63mm. dia. house.
25mm. bore house-reel house with 8mm. shut-off nozzle at each floor landing. The length of the house reel house should be enough to reach the farthest corner of the floor. house-box with 15 meters long 63mm. dia. house and 12.5mm. bore nozzle at alternate floors. The house-reel hose should be coupled to the riser.
Fire-servis inlet should be installed at a point near the entry to the premises where a fire service vehicle can approach easily.
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 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 part than each part should have a fire-well should have blowers to pressurize the lift-well so connected that it will automatically operate when alarm call point is operated, 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 capabel of being heard all throughout the building.
4)Fire Extinguishers:
one CO2 extinguisher of 4.5kg. and one extinguisher of 5kg. DCP to be installed on each floor in case of commercial building.
AND/OR
two CO2 extinguisher of 2kg. capacity on each floor and 5kg. DCP extinguisher on alternate floor in case of residential buildings.
if the building is divided into two or more parts then each parts should have these extinguisher installed.
5)staircase:
The staircase has to be eppen from at least one or two side but if the staircase is in the center core of the building it has to be pressurize to prevent it getting smoke logged. and open for two side.
The Riser / Downcommer should be located in in the staircase or close to it to make it easily approachable in case of fire from the floor bellow or above.
6) Basement:
The basement of 200lg meter or more should be protected with;
Automatic sprinkler system with at least one sprinkle head for a car parkang space.
Additionally be protected by a Hydrant outlet and two 25mm. bore House-reel houses 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.



PARKING LAYOUT PLAN
SCALE 1: 2.0 M.

SCRUTINIZE COPY
NO. 0251 DATE 05/2018
TDO, BPSP , AMC

RESPONSIBILITY (C.G.D.C.R.-2017 Cl. NO. 2.3.1) :-
APPROVAL OF DRAWINGS AND ACCEPTANCE OF ANY STATEMENT, DOCUMENTS, STRUCTURAL REPORT, STRUCTURAL DRAWINGS, PROGRESS CERTIFICATE OR BUILDING COMPLETION CERTIFICATES SHALL NOT DISCHARGE THE OWNER, ENGINEER, ARCHITECT, CLERK OF WORK/SITE SUPERVISOR, STRUCTURAL DESIGNER, DEVELOPER, OWNER FROM THEIR RESPONSIBILITIES, IMPOSED UNDER THE ACT, THE DEVELOPMENT CONTROL REGULATIONS AND THE LAWS OF STATE AND LOCAL ACTS.
LIABILITY (C.G.D.C.R.-2017 Cl. NO. 2.3.1) :-
NOTWITHSTANDING ANY DEVELOPMENT PERMISSION GRANTED UNDER THE ACT AND THESE REGULATIONS, ANY PERSON UNDERTAKING ANY DEVELOPMENT WORK SHALL CONTINUE TO BE WHOLLY AND SOLELY LIABLE FOR ANY INJURY OR DAMAGE OR LOSS WHATSOEVER THAT MAY BE CAUSED TO ANY ONE IN OR AROUND THE AREA DURING SUCH CONSTRUCTION AND NO LIABILITY WHATSOEVER IN THIS REGARD SHALL BE CAST ON THE AUTHORITY

COMMERCIAL + CINEMA PROJECT

PROP.LAYOUT SHOWING COMM. ON S.P.NO.-2 OF F.P. NO.-15/2, SUB PLOT NO.-2/B, T.P.S.-11@ (NIKOL-KATHAWADA),FINAL R.S. NO.-382/2(NIKOL) MOJE.- NIKOL, TA: ASARVA, DIST.:-AHMEDABAD.

PARKING LAYOUT

SCALE : 1 CM =2.0 MT.	SHEET NO. : 11
ZONE : RESI.-I(R1)	USE. : COMM.+CINEMA+BANQUATE-HALL (ASSEMBLY:1+3)

NOTES:-

* ITS CERTIFIED THAT PLOT UNDER REFERENCE IS SURVEYED BY ME AND THE DIMENSIONS OF ALL SIDES OF 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 & POSITION OF EXI. MUNI. M.H. IS VERIFIED BY ME ON SITE & PREMISES GATES DRAIN. CONNECTION.
* 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 STANDARS.
* DESIGN OF STAIRCASE AND RAILING IS PROVIDE AS PER THE PROVISION OF THE CLAUSE NO.21.1.12 AND 21.1.14 AND 22.6. OF GCDCR 2017.
* PEDESTRIANS 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 PROVIDE AS PER CLAUSE NO.21.11 OF CGDCR 2017.
* DRINKING WATER FACILITY FOR DISABLED PERSON IS PROVIDE AS PER THE CLAUSE NO.21.6.2 OF CGDCR 2017.
* DRAINAGE FACILITY IS PROVIDE AS PER THE CLAUSE NO. 21.10 OF CGDCR 2017.
* SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDE AS PER THE CLAUSE NO. 21.7 OF CGDCR 2017.
* ENTRANCE OF THE BUILDING IS PROVIDE AS PER CLAUSE NO. 21.1.7 OF CGDCR 2017.
* THE PAVING OF BUILDING UNIT/FINAL 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 SPECIFIED IN THE INDIAN STANDARD AND NACESSARY ACTION SHALL BE TAKEN FOR THE STRUTURAL SAFTY 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 PROVIDE AS PER THE PROVISION OF THE CLAUSE NO. 25.3 OF CGDCR 2017.
* GREY WATER RECYCLING SYSTEM & DUAL 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 CGDCR 2017.
* POLLUTION CONTROL SYSTEM IS PROVIDE AS PER THE CHAPTER NO. 26 OF CGDCR 2017.
* FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER NO. 22 OF CGDCR 2017.
* FIRE SAFETY PROVISIONS SHALL BE MADE AS PER CHAPTER FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION-2016 AND FIRE PREVENTION AND LIFE SAFETY MEASURES ACT-2013.
* MAINTENANCE AND UPGRADATION OF BUILDING IS AS PER CHAPTER NO. 27 OF CGDCR OF 2017.
* MARGINAL SPACE & CELLER SLAB SHALL HAVE LOAD BEARING CAPACITY CD 40/60 TONNES PER SQUARE METER SHALL BE PROVIDED AS PER CHAPTER NO. 22.3 OF C.G.D.C.R-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 REFLACTIVE AND PROVIDE UPTO MAX 50% OF THE TOTAL SURFACE AREA OF EACH FACADE WITH THE PROVISION OF SAFETY SILL LEVEL AS PER GDCR CL. NO. 23.13.

SCHEDULE OF OPENING		STAIRCASE DETAILS	
DOOR	WINDOW		
R.S = 3.00 X 2.13 R.S-1= 2.80 X 2.13 D = 1.37 X 2.13 D1 = 0.76 X 2.13 D2 = 0.91 X 2.13	W = 2.00 X 1.20 V = 0.61 X 0.61	WIDTH=2.13 MTR. RISER=0.16 MTR. TREAD=0.30 MTR.	WIDTH=2.02 MTR. RISER=0.16 MTR. TREAD=0.30 MTR.

COLOUR NOTES :

PROP. WORK
ROAD
F.P. BOUNDARY
PARKING
PROP.DRAIN
SPRINKLER (SPK)

(૧) મહેન્દ્રભાઈ પરસોત્તમભાઇ પટેલ
(૨) રાહુલભાઈ મોતીભાઈ દેસાઈ
(૩) વિપુલભાઈ ભાઈજીભાઈ લેઉવા
(૪) ચામડાગેન ચાંદીલાલ વેલજીભાઈ વિરમ

ના પાવર ઓફ એટર્ની હોલ્ડર તથા પોતે
શ્રી ભાવિન લાભીલાલ શાહ

OWNER :

FOR, NEEL DEVELOPERS
PARTNER
LIC NO:- DEV801080921
DEVELOPER:

P.B. GOTI B.TECH (Archi. Engg.)
C.E., M.I.E., F.I.V., M.A.S.C.E.(U.S.A)
216, Hariom Chambers N.H.No. 8,
Thakkar nagar Approach, A'bad-382350
Licence No: A.M.C : ER 1234071222
ENGINEER

MAYANK V. VIRADIYA
A-1,2nd Floor,Sardar Patel Mall,
Nikol Gam Road,Ahmedabad
AMC LIC NO.CW 0477150920 R1
C.O.W.

BHAVIK R. Sudani
(M. Tech. Structure)
B/203,PRIT,NR. SONAL CROSS ROAD
OPP. SHARDA SCHOOL, GURUKUL ROAD
MEMNAGAR. A'BAD-380013
(Regd. No. SD-0326220919 R1)
STR. ENGINEER :

સદર પ્રકરણે ચાર્જમેળ એફ.એસ.આઈ. ના નાણાં ની હાલ ચુકવવાના હોઈ, તે વસુલાત બાબતે શ્રી. યુ. પરમીશન અંગાઈ એટેન્ય વિભાગનો અભિપ્રાય મેળવવાનો રહેશે.

આથી વિકાસ કર્તા તરફે મુખ્તિયાર વિભાગના આ કામે શ્રી. પરસોત્તમ/ડાહ્યાભી તા-૧૬-૧૧-૧૭ ના રોજ રજુકાર વકીલશ્રી બચાવો મોકા સાથે મુજબની સાથેની વકીલાતની રજા ચિઠ્ઠી રજીસ્ટર્ડ કરાવી મુકવાની રહશે.

Ahmedabad Municipal Corporation
Case No. : BHNTUEZ/16021/GCGDCR/AE62/R0/M1
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number : 0944/MH/16021/AUDA/BP/M1
Date : 22/07/2018
Zone: EAST

Asst. T.D.O./Asst. E.O. (Civic Center)
R.K. Tarivl Dy T.D.O. EAST
J.S. PARGAR Dy T.D.O.