GROUND FL. LAYOUT PLAN & PARKING LAYOUT PLAN

PLAN SHOWING PROP. RESIDENTIAL BUILDING ON T.P.S. NO. 4-(MANIPUR)(SECOND VARIED), F.P. NO. 74/2, S.P. NO.12, C.S.NO. 3514 TO 3517, SHEET NO. 29, MOJE: MANINAGAR, TA.: MANINAGAR, DISTRICT-AHMEDABAD

SCALE : 1 CM = 1.00 MT	USE : RESI. (DW3)	SHEET NO. 1/2

ZONE : R1-OVERALY ZONE TZ (BRTS)

AREA TABLE :-	SQMT
PLOT AREA S.P.NO. 12 AS PER APPR. PLAN	480.77
PLOT AREA S.P.NO. 12 AS PER (PROPERTY CARD)	467.00
AREA GOING IN ROAD LINE	47.00
NET PLOT AREA	420.00
PERMI. F.S.I. AREA (1.8) (467.00 x 1.8)	840.60
PER. CHARGEABLE F.S.I.@ 0.90 % (467.00 x 0.90%)	420.30
TOTAL PERMI. F.S.I.WITH CHARGABLE (2.7)	1260.90
TOTAL USED F.S.I. AREA	975.31
CHARGABLE F.S.I. AREA (975.31 - 840.60)	134.71
BALANCE F.S.I. AREA (1260.90 - 975.31)	285.59

BUILT UP AREA TABLE :-	SQMT
PROP. BUILT UP AREA ON HOLLOW PLINTH	168.96
PROP. BUILT UP AREA ON FIRST FLOOR	168.96
PROP. BUILT UP AREA ON SECOND FLOOR	168.96
PROP. BUILT UP AREA ON THIRD FLOOR	168.96
PROP. BUILT UP AREA ON FOURTH FLOOR	168.96
PROP. BUILT UP AREA ON FIFTH FLOOR	168.96
PROP. BUILT UP AREA ON SIXTH FLOOR	168.96
PROP. BUILT UP AREA ON SEVENTH FLOOR	168.96
PROP. BUILT UP AREA ON STAIR CABIN, LIFT	34.84
PROP. BUILT UP AREA ON O.H.W.T. & LIFT MACHINE ROOM	26.14
TOTAL BUILT UP AREA	1412.66

F.S.I. AREA TABLE :-	SQMT
PROP. F.S.I. AREA ON FIRST FLOOR	139.33
PROP. F.S.I. AREA ON SECOND FLOOR	139.33
PROP. F.S.I. AREA ON THIRD FLOOR	139.33
PROP. F.S.I. AREA ON FOURTH FLOOR	139.33
PROP. F.S.I. AREA ON FIFTH FLOOR	139.33
PROP. F.S.I. AREA ON SIXTH FLOOR	139.33
PROP. F.S.I. AREA ON SEVENTH FLOOR	139.33
TOTAL USE F.S.I. AREA	975.31

TENAMENT AND FLOOR AREA TABLE (SQMT)

FLOOR	USED	UNIT	FLOOR AREA IN SQMTS.
GR. FL.	PARKING	0	0
FIRST FL.	RESIDENCE	02	132.44
SECOND FL.	RESIDENCE	02	132.44
THIRD FL.	RESIDENCE	02	132.44
FORTH FL.	RESIDENCE	02	132.44
FIFTH FL.	RESIDENCE	02	132.44
SIXTH. FL.	RESIDENCE	02	132.44
SEVENTH. FL.	RESIDENCE	02	132.44
TOTAL	PARKING + RESI.	14	927.08

DOOR /WINDOW SHEDULE	R.C.C. STAIR DETAIL :-
D = 1.05X2.10 W = 1.82X1.22	WIDTH = 1.52 MT
D1= 0.91X2.10 W1 = 1.52X1.22	RISER = 0.18 MT
D2= 0.76X2.10 W2 = 1.22X1.22	TREAD= 0.25 MT
RS= 2.10X2.10 V = 0.60X0.60	

COLOUR NOTE :-

PROP.WORK, PROP.DRAIN, ROAD, PARKING, SPRINCLER, DUST-BIN, TREE, PERCOLATING WELL, AREA GOING IN ROAD LINE

OWNER	DEVELOPER
R.F. Patel (signatures)	B. M. (signature) N B CONSTRUCTION 001DV07022610364

ENGINEER	STR.ENGINEER
AMITKUMAR K. BHARVAD (AMC) (Engg) Ashirvachan Bunglows, Opp. Rushikesh School, Sharkhej, Ahmedabad Lic No.: 001ERH29082601127	Hardik P. Upadhyay Structure Engineer (Civil) A.M.C. LIC. NO.:SD0620080823

C.O.W.

KETUKUMAR JAYESHBHAI SURATI 3-3-85, TANKI FALIYA, KATHOR, SURAT-394150 AMC LIC. NO.: 001CW1101270585

KISHAN RAJESHBHAI BAROT 423/2396, GUJARAT HOUSING BOARD, BHIDBHANJAN, BAPUNAGAR, AHMEDABAD-380024 AMC. LIC. NO.: 001SR15042

Ahmedabad Municipal Corporation
Case No. : BLNTS/SZ/170222/CGDCRV/A5706/R0/M1 Zone: SOUTH
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number : 06528/170222/A5706/R0/M1
Date : 07/07/2022

T.D. Sub Inspector(B.P.S.P.) | T.D. Inspector (B.P.S.P.) | Asst. T.D.O. (B.P.S.P.)

(1) THIS DEVELOPMENT PERMISSION IS GRANTED WITH CONDITION THAT APPLICANT AND ENGG./ARCH.WILL OBEY AS PER ALL BONDS AND AFFIDAVITS PRODUCED BY APPLICANT AND ENGG./ARCH.

(2) THIS APPROVAL IS GIVEN ACCORDING TO MUNICIPAL COMMISSIONER OFFICE ORDER DATED 02/03/05 AND OFFICE ORDER NO-42, DT.-13/06/06.

(3) THIS DEVELOPMENT PERMISSION IS GRANTED UNDER C.G.D.C.R.-2017 AS PER LETTER NO: GHV/269 OF 2017/EDB-102016-3629-L, DATED:- 12/10/2017 AND LETTER NO: GHV/31 OF 2018/EDB-102016-3629-L, DATED:- 31/03/2018 AND LETTER NO: EDB-102016-3629-L, DATED:- 31/03/2018 AND LETTER NO: GHV/45 OF 2018/EDB-102016-3629-L, DATED:-23/04/2018 AND LETTER NO: GHV/152 OF 2018/EDB-102016-3629-L, DATED:-5/11/2018 AND LETTER NO: GHV/307/EDB-102016-3629-L, DATED:-20/12/2017, AND LETTER NO:- GHV/143 OF 2019/EDB-102016-3629-L, DATED:-3/10/2019 AND LETTER NO- GHV/174 of 2020/EDB-102016-3629-L DATED:-11/11/2020 OF URBAN DEVELOPMENT AND URBAN HOUSING DEPARTMENT, GOVT. OF GUJARAT.

(4) RAIN WATER STORAGE TANK SHALL BE PROVIDE AS PER CGDCR-2017 CLAUSE NO. 17.2

(5) OWNER-APPLICANT-DEVELOPER SHALL HAVE TO PROVIDE BARRICADE OF STEEL-SHEETS/TIN-SHEETS OF SUFFICIENT HEIGHT (NOT LESS THAN 3.00MT.) DURING CONSTRUCTION/DEMOLITION ACTIVITY AT ALL EDGES OF PLOT FOR SAFETY PURPOSE.

(6) THIS CASE HAS BEEN SCRUTINIZED AND APPROVED BY BUILDING PLAN SCRUTINY POOL ON DT-31/5/2022

(7) THIS PERMISSION IS GIVEN ON THE BASIS OF ROAD LINE POSSESION GIVEN BY TOWN DEV. INSP.(MANINAGAR WARD, S.Z.) A.M.C. DATE:- 3/12/2021

(8) THIS PERMISSION IS GIVEN ON THE BASIS OF MEASURNMENT AND LOCATION OF PLOT MENTION IN OPINION FOR SCHEME IMPLIMENTATION GIVEN BY TOWN DEV.INSP.(RENT DEPT., ESTATE, S.Z.) A.M.C. DT:18/6/2021

(9) THIS PERMISSION IS GIVEN ON THE BASIS OF OPINION FOR PROPERTY TAX GIVEN BY DIVISIONAL SUPERINTENDENT(PROPERTY TAX DEPT., S.Z.) ON DT:29/6/2021

(10) THIS PERMISSION IS GRANTED ON THE BASIS OF OPINION FOR LOCAL AREA PLAN AND IT IS GIVEN BY TOWN PLANNER(AUDA) ON DT:-15/2/2022 LETTER REF NO.02171 AND AS PER NOTARISED UNDERTAKING GIVEN BY OWNER/APPLICANT ON DT:-21/3/2022 FOR THE SAME.

(11) THIS PERMISSION IS GRANTED AS PER THE N.O.C. OF AIRPORT AUTHORITY OF INDIA ON DT.:20/12/2021 REF. ID NO.AHME/WEST/B/121721/641593 AND ALL TERMS AND CONDITION MENTION IN ORDER WILL BE APPLICABLE AND BINDING TO OWNER/APPLICANT.

(12) THIS PERMISSION IS GIVEN AS PER THE N.A. PERMISSION MENTION IN GAM NAMUNA NO:- 2 GIVEN BY TALATI (RAIPUR-KHIRPUR, TA.CITY, MANINAGAR) ON DT:21/3/2022, IT IS SUBMITED BY OWNER-APPLICANTS.

(13) THIS PERMISSION IS GRANTED SUBJECT TO RELAVENT TERMS AND CONDITIONS MENTIONED IN OPINION GIVEN BY FIRE DEPARTMENT ON DT.14/12/2021 (NO.OPN79981412 2021) AND FIRE NOC FIRE PROTECTION CONSULTANT WILL BE APPOINTED BY OWNER/APPLICANT BEFORE APPLYING FOR B.U. PERMISSION AND NOTERIZED UNDER TAKING GIVEN BY OWNER/APPLICANT ON DT.14/2/2022 AND ALL TERMS AND CONDITION MENTION IN ORDER WILL BE APPLICABLE AND BINDING TO OWNER/APPLICANT.

(14) APPLICANT SHALL HAVE TO MAKE PROVISION FOR ROOF TOP SOLAR ENERGY INSTALLATION AND GENERATION AS PER CL.17.5.1 OF CGDCR-2017 AND NOTERIZED UNDER TAKING GIVEN BY OWNER/APPLICANT ON DT.14/2/2022 AND ALL TERMS AND CONDITION MENTION IN ORDER WILL BE APPLICABLE AND BINDING TO OWNER/APPLICANT.

(15) IN EVERY WATER CLOSETS OR TOILET, IT SHALL BE MANDATORY TO PROVIDE DOUBLE BUTTON CISTERN (DUAL FLUSH TANK).

(16) AS PER THE PROVISION OF REAL ESTATE (REGULATION AND DEVELOPMENT) ACT-2016, NO DEVELOPERS(PROMOTERS) WILL MAKE ADVERTISEMENT FOR SALE, MARKETING, BOOKING OR OFFER FOR REAL ESTATE PROJECT LIKE PLOT, APARTMENT OR BUILDING OR PART OF THEIR, UNTIL THE REGISTRATION IS DONE IN THE REAL ESTATE REGULATORY AUTHORITY(RERA) OFFICE.

(17) THIS DEVELOPMENT PERMISSION IS GIVEN ON THE CONDITION THAT OWNER/APPLICANTS HAVE TO PROVIDE TEMPORARY RESIDENTIAL ACCOMODATION FOR SANITATION FACILITY, PUBLIC SPACE/ROAD WILL NOT BE ENCROACHED FOR THE SAME IN THEIR PREMISES WITH PROPER SANITATION FACILITY, LABOURS IN THEIR PREMISES AND IN ANY CASE AS PER OWNER/APPLICANTS SUBMIT THE NOTERISED UNDERTAKING FOR THE SAME ON DT.14/2/2022

(18) PERMANENT PROVISION ON THE SITE FOR WASHING AND CLEANING OF TYRE/WHEEL OF THE VEHICLES/DUMPER/EQUIPMENTS COMING AND GOING ON THE PUBLIC ROAD. OTHERWISE LEGAL ACTIONS WILL BE TAKEN AND OWNER AND DEVELOPER WILL BE SOLELY RESPONSIBLE FOR ANY DAMAGE OR SPOIL OF PUBLIC ROAD.

(19) THE DEVELOPMENT PERMISSION IS GIVEN ON THE BASIS OF NOTERISED UNDERTAKING BY OWNER/ APPLICANT AND DEVELOPERS FOR THE RIGHTS TO DEVELOP AND CONSTRUCTION ON THE SAID LAND BY DEVELOPERS AND IT WILL BE BINDING AND APPLICABLE TO BOTH PARTIES.

(20) THIS DEVELOPMENT PERMISSION HAS BEEN GRANTED AS PROVIDED IN NOTIFICATION NO: EDB/102016/3629/L DTD: 25/09/2018, NOTIFICATION NO: PRCH/102018/7198/L DTD:15/10/2018 AND OTHERS OF URBAN DEVELOPMENT AND URBAN HOUSING DEPARTMENT, GOVERNMENT OF GUJARAT AND DIRECTIONS ISSUED BY COMPETENT AUTHORITY FROM TIME TO TIME UNDER PROVISION OF COMPREHENSIVE GENERAL DEVELOPMENT CONTROL REGULATIONS-2017.

(21) (A) TOTAL PARKING AREA SHOWN IN APPROVED PLAN MUST BE MAINTAINED.(B) PARKING AREA MUST BE RETAINED AS EFFECTIVE PARKING SPACE AND SHALL BE MAINTAINED WITH LIGHT AND VENTILATION SYSTEM.(C) IF MISUSE OF PARKING SPACE IS NOTICED, THE USE OF THE BUILDING SHALL BE DISCONTINUED BY THE COMPETENT AUTHORITY, BUILDING USE SHALL BE PERMITTED ONLY AFTER THE REQUIRED PARKING SPACES ARE PROVIDED. HIGH PENALTY SHALL BE LEVIED CONSIDERING THE EXTENT OF MISUSE OF THE PARKING SPACE AND BENEFIT DERIVED OUT OF MISUSE AS DECIDED BY THE COMPETENT AUTHORITY FROM TIME TO TIME AND ALL ABOVE TERMS AND CONDITIONS MENTIONED WILL BE APPLICABLE AND BINDING TO ALL CONCERN PERSONS.

BUILT UP AREA CALCULATION IN SQ.MT. TYPICAL FLOOR (GR. TO 7TH. FLOOR)		
17.48 x 10.81	=	188.96 SMT
LESS WORK :-		
(1) 3.26 x 0.19	=	0.62 SMT
(2) 5.79 x 0.45	=	2.61 SMT
(3) 2.01 x 2.51	=	5.05 SMT
(4) 1.16 x 1.50	=	1.74 SMT
(5) 0.59 x 1.33	=	0.78 SMT
(6) 1.48 x 2.66	=	3.94 SMT
(7) 1.29 x 1.59	=	2.05 SMT
(8) 1.87 x 0.67	=	1.25 SMT
(9) 3.16 x 0.62	=	1.96 SMT
TOTAL	=	20.00 SMT
BUILT UP AREA ON TYPICAL FLOOR GR to 7th Floor (188.96 - 20.00) = 168.96 SMT.		

PERCOLATING PIT CAL.
FOR PLOT AREA 500 TO 1500 SQ.MT REQ.1 P. WELL
PLOT AREA 467.00 SQ.MT.
467.00 SQM./1500 = 0.31 SAY 1 REQ.
1 P.P. PROVIDED

COMUNITY DUST BIN FOR RESI.
REQU. = 1 UNIT = 14 Lts.
UNIT 14 X 10 = 140.00 Lts.
1 D.B. = 80 Lts. CAP.
140/80 = 1.75 NOS.
SAY 2.00 NOS.
PROVI = 2NOS.

TREE PLANTATION CAL.
REQU. = 200 SQM. = 5 TREE
467.00 sq.mt. / 200 X 5 = 11.68
12.00 SAY 12.00 NOS.
PROVI = 12.00 NOS. TREE

RESPONSIBILTY (C.G.D.C.R.-2017 C.L. NO. 4.3,4.4 & 4.5) :- 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 C.L. NO. 3.3.2) :- 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

PARKING AREA CALCULATION FOR RESI. :-		
TOTAL PERMI. F.S.I. (RESI) = 978.11 SQ.MT.		
RESI.	REQ. TOTAL	PROVI. TOTAL
978.11 X 0.20 % = 195.62 SMT		
REQ. CAR PARKING 50 %	97.81	117.59
REQ. OTHER'SPARKING 40 %	78.25	92.54
REQ. VISITORS PARKING 10 %	19.56	37.93
TOTAL PARKING	195.62	248.06

PROVI. PARKING AREA FOR RESI.

CAR PARKING FOR RESI. IN GR. LVL.& MARGIN
- (C1) ½ (16.08 + 14.84) X 6.29 = 97.24 SQ. MT.
- (C2) 3.70 X 5.50 = 20.35 SQ. MT.

TOTAL CAR PARKING = 117.59 SQ. MT.

OTHER'S PARKING FOR RESI.IN SQ.MT.
- (O1) ½ (13.34 + 12.14) X 5.70 = 72.62
- (O2) ½ (2.87 + 1.18) X 2.16 = 04.37
- (O3) ½ (2.16x5.06) = 5.46
- (O4) ½ (2.17 + 3.36) X 2.78 = 07.68
- (O5) ½ (3.36 x 1.44) = 02.41

TOTAL OTHER'S PARKING = 92.54 SQ. MT.

VISI. PARKING FOR RESI. IN MARGIN IN SQ.MT.
- (V1) ½ (7.28 + 7.09) X 2.92 = 20.98 SQ. MT.
- (V2) ½ (4.76 + 4.53) X 3.65 = 16.95 SQ. MT.

TOTAL VISI. PARKING = 37.93 SQ. MT.
TOTAL RESI. PARKING = 248.06 SQ.MT.

NOTES:-CGDCRV-2017 (DT.: 15/01/2019)
- IT IS CERTIFIED THAT PLOT UNDER REFERECE IS SERVEYED BY ME AND THE DIMENSIONS OF ALL SIDES OF PLOT AND PLOT AREA AS SHOW I PLA ARE MEASURE Y ENGINEER ON RECORD AND IN ACCORDANCE. WITH OWNERSHIP / REVENUE RECORD.
- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN MARGENAL SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MAIN HOLE IS VERYFIED BY ME ON SITE AND PREMISES CAN GET DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 3.5.3 OF THE CGDCR-2017, ALL REQUIREMRNTS OF THE BUILDING CHECKED AND NECESSARY ACTIONS ARE TAKEN.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 4.4.3 OF THE CGDCR-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. 23.1.11 AND 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 CGDCR-2017.
- WATER 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 LEVEL FOR EACH UNIT.
- WATER TANK FOR FIRE SAFETY REQ.MENT PROVIDED AS PER FIRE PREVENTION AND FIRE SAFETY ACT 2016
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 13.11 OF C.G.D.C.R. 2017
- DRINKING WATER FACILITY FOR DISABLED 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. 13.6.2 OF C.G.D.C.R.-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 UNIT/PLOT AS PER THE PROVISION OF THE CLAUSE NO. 13.1.3 OF CGDCR-2017
- THE STRUCTURE DESIGN OF THE BUILDING IS AS PER NORMS SPECIFIED IN THE INDIAN STANDARD AND NACESSARY ACTION SHALL BE TAKAN FOR THE STRUCTURAL SAFETY DURING THE CONSTRUCTION.
- RAIN WATER STORAGE TANK AND RAIN WATER HARVESTING SYSTEM SHALL BE PROVIDED AS PER THE CLAUSE NO. 17.2 OF C.G.D.C.R. 2017
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 17.4 & 17.2.5 OF CGDCR-2017
- GREY WATER RECYCLING SYSTER & UAL PLUMBIG SYSTEM SHALL BE PROVIDED AS PER CLAUSE NO. 17.3.
- TREE PALNTATION IS PROVIDED AS PER THE CLAUSE NO. 17.4 OF CGDCR-2017
- SOLAR ASSISTE WATER HEATING SYSTEM SHALL BE PROVIDED AS PER CLAUSE NO. 17.5 OF CGDCR-2017
- POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO. 18 OF CGDCR-2017
- FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER NO. 14 OF CGDCR-2017
- FIRE SAFETY PROVISION SHALL BE MADE AS PER FIRE PREVETION AND LIFT SAFETY MEASURES REGULATION 2016 AND FIRE PREVENTION AND LIFT SAFETY MEASURES REGULATION-2013
- MAINTANANCE AND UPGRADATION OF BUILDING IS AS PER CHAPTER NO. 19 OF CGDCR-2017
- MARGINAL SPACE & BASEMENT SLAB SHALL HAVE LOAD BEARING CAPACITY OF 40/60 TONNES PER SQURE METER SHALL BE PROVIDED AS PER CHAPTER NO.14 OF C.G.D.C.R.-2017 ANND FIRE PREVENTION AND FIRE C.G.D.C.R. -2016
- ROOF TOP SOLAR ENERGY INSTALLATION & GENERATION SHALL BE PROVIDED AS PER CLAUSE NO: 17.5.1 OF C.G.D.C.R. -2017
- THE GLAZED SURFACE AREA OF THE EXTERAL FACEDE SHALL BE NON REFLACTIVE & PROVIED UP TO MAX OF 50% OF THE TOTAL SURFACE AREA OF EACH FACEDE AREA OF EACH FACED WITH THE PROVISION OF SAFETY RAILLING UP TO SILL LEVEL AS PER CLAUSE NO. 13.13 OF C.G.D.C.R. 2017

The basic requiremenns for fire protection Lowrise 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.

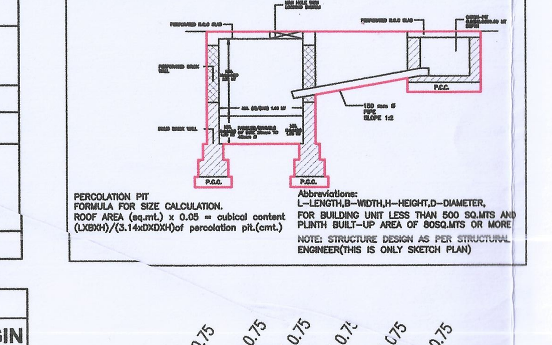
3) Fire alarm:
Fire alarm call point to be installed at each floor with sounders capabel of being heard all throughout the building.

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 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 parking space.
Additionally be protected by a Hydrant outlet and two 25mm. bore House-reel houses with 8 mm. bore nozzler at each basement level.

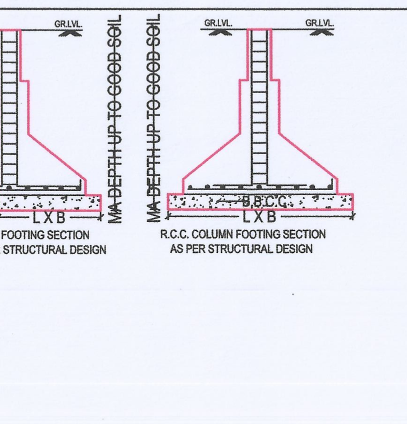
7) Lightening arrester:
A lightening arrester should also be installed and be properly earthed to prevent damage to the building when the lightening strikes.

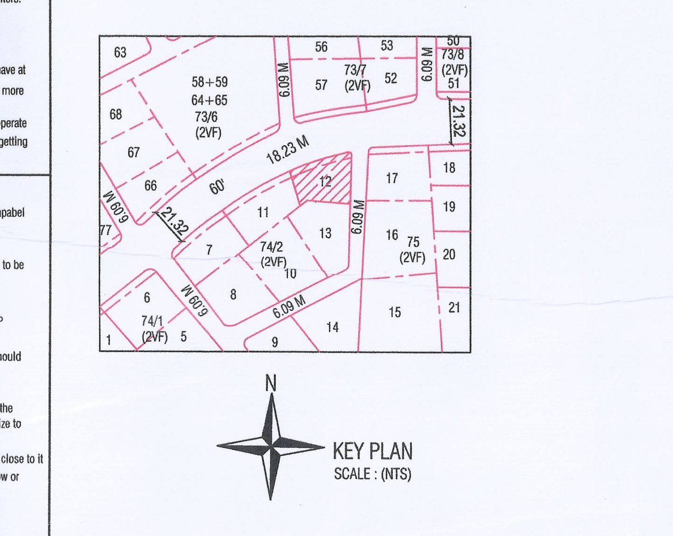


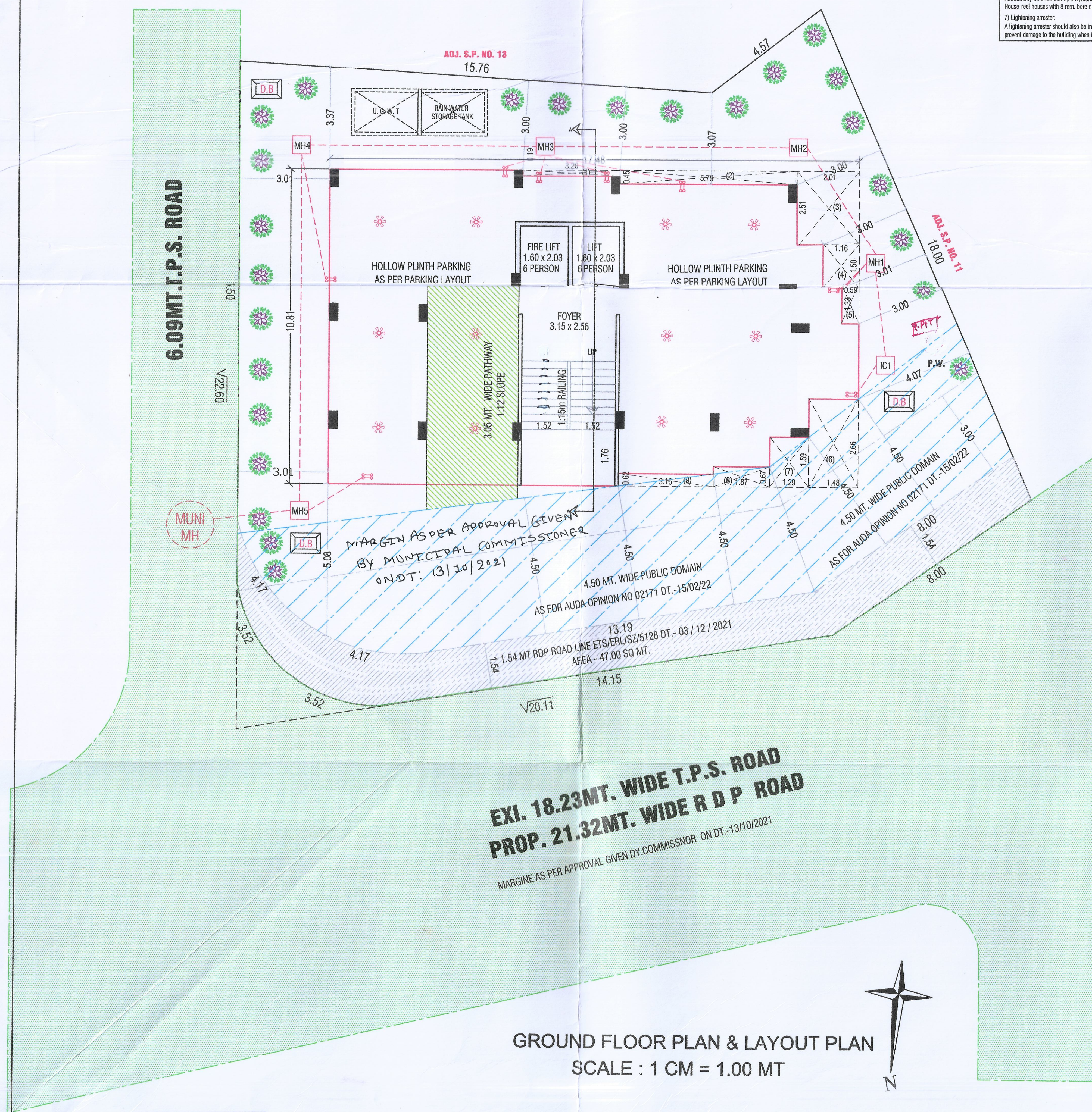
L-DRAINAGE SECTION

DIST.	0.00	10.24	16.98	29.01	39.91	50.52
CUTT.	0.75	1.15	1.91	3.26	4.49	5.68
INVT.	30.00	10.24	29.13	29.05	29.00	29.00

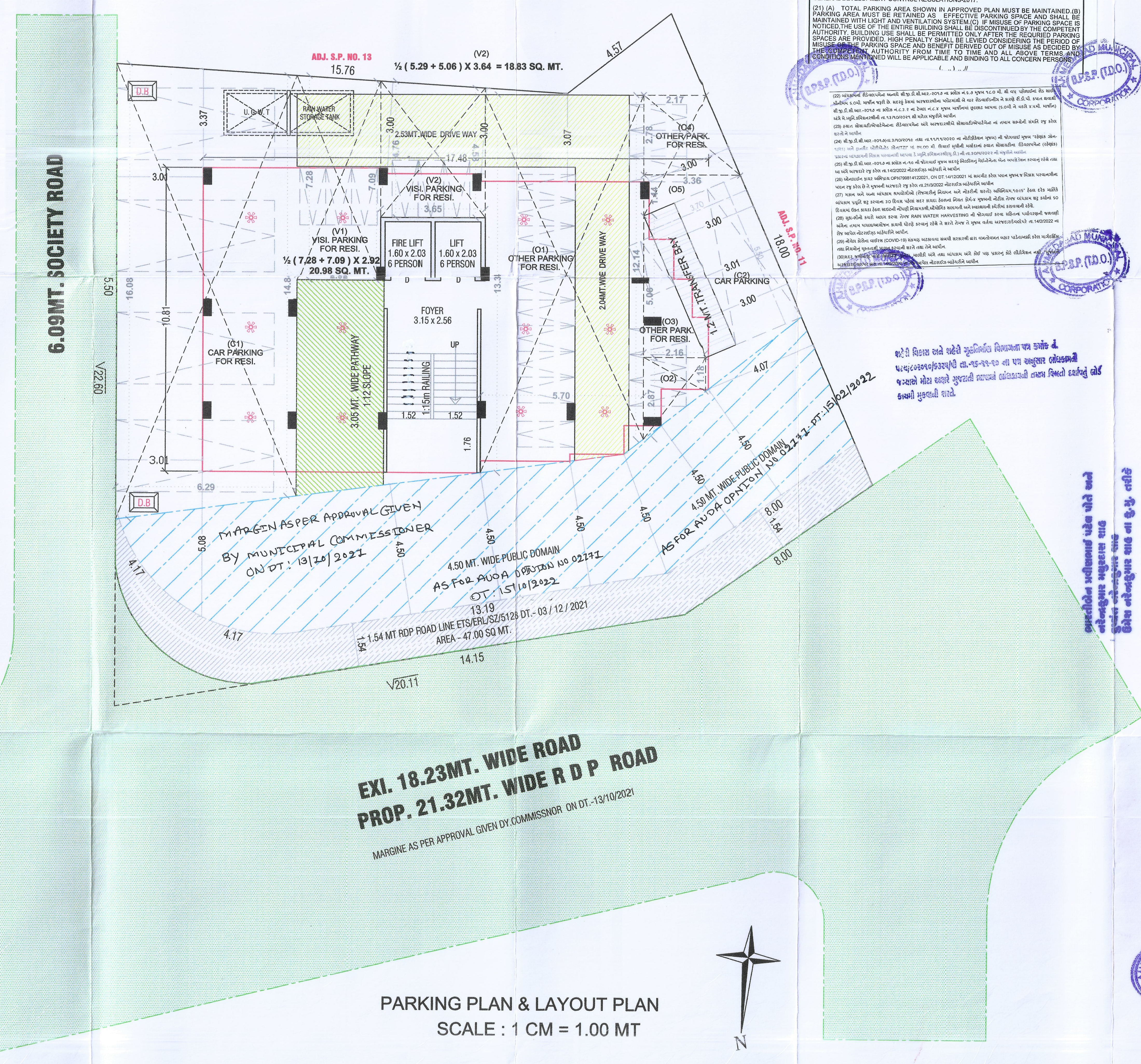
SCALE : 1.00 CM. = 5.00 MT. (HORI.)
SCALE : 1.00 CM. = 1.00 MT. (VERT.)







GROUND FLOOR PLAN & LAYOUT PLAN
SCALE : 1 CM = 1.00 MT



PARKING PLAN & LAYOUT PLAN
SCALE : 1 CM = 1.00 MT

SCRUTINIZE COPY
NO. 4/60/E... DT. 29/06/2022
TDO, BPSP, AMC