

GENERAL NOTES

- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EASTING MANHOLE IS VERIFIED BY ME ON SITE AND PREMISES CAN GATES DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO CDOR-2017 ALL REQUIREMENTS OF THE BUILDING ARE CHECKED AND NECESSARY ACTIONS ARE TAKEN.
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 4.4.3 OF THE CDOR-2017, THE STRUCTURE OF THE BUILDING IS DESIGN FOR THE NORMS OF THE INDIAN STANDARDS.
- DESIGN OF STAIRCASE AND RAILING IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.1.11 AND 13.1.12 AND 22.6 OF CDOR-2017.
- PEDESTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.1.14 OF CDOR-2017.
- LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.1.12 OF CDOR-2017.
- WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.6 OF CDOR-2017.
- LETTER BOX FOR EACH UNIT SHALL BE PROVIDED AS PER CLAUSE NO. 13.6.2 OF CDOR-2017.
- WATER TANK FOR FIRE SAFETY REQUIREMENT PROVIDED AS PER THE CHAPTER NO. 14 OF CDOR-2017.
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 13.11 OF CDOR-2017.
- DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER CLAUSE NO. 13.6.2 OF CDOR-2017.
- DRAINAGE FACILITY IS PROVIDED AS PER CLAUSE NO. 13.10 OF CDOR-2017.
- SIGNAGES OF THE PARKING PLACE TO BE PROVIDED AS PER CLAUSE NO. 18.7 OF THE CDOR-2017.
- ENTRANCE OF THE BUILDING IS PROVIDED AS PER CLAUSE NO. 13.1.8 OF CDOR-2017.
- THE PAVING OF THE BUILDING UNIFORM, PLOT AS PER THE PROVISION OF THE CLAUSE NO. 13.1.3 OF CDOR-2017.
- THE STRUCTURE OF THE BUILDING IS DESIGNED AS PER THE NORMS SPECIFIED IN THE INDIAN STANDARD AND THE NECESSARY ACTION SHALL BE TAKEN FOR THE STRUCTURAL SAFETY DURING THE CONSTRUCTION.
- RAIN WATER STORAGE TANK AND RAIN WATER HARVESTING SYSTEM IS PROVIDED AS PER CLAUSE NO. 17.2 OF CDOR-2017.
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 17.2.4 AND 17.2.5 OF CDOR-2017.
- GREY WATER RECYCLING SYSTEM & DUAL PLUMBING SYSTEM IS PROVIDED AS PER CLAUSE NO. 17.3 OF CDOR-2017.
- TREE PLANTATION IS PROVIDED AS PER CLAUSE NO. 17.4 OF CDOR-2017.
- SOLAR ASSISTED WATER HEATING SYSTEM IS PROVIDED AS PER CLAUSE NO. 17.5 OF CDOR-2017.
- POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO. 18 OF CDOR-2017.
- FIRE SAFETY SYSTEM IS PROVIDED AS PER THE CHAPTER NO. 14 OF CDOR-2017.
- FIRE SAFETY PROVISION SHALL BE MADE AS PER THE PREVENTION AND LIFE SAFETY MEASURES REGULATION-2016 AND FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION-2013.
- MAINTENANCE AND UPGRADEMENT OF BUILDING IS AS PER THE CHAPTER NO. 19 OF CDOR-2017.
- MAINTENANCE, SPACE & BASEMENT SLAB SHALL HAVE LOAD BEARING CAPACITY OF 4000 TONNES PER SQUARE METER SHALL BE PROVIDED AS PER CHAPTER NO. 14 OF CDOR-2017 AND THE PREVENTION AND LIFE SAFETY ACT-2016.
- ROOF TOP SOLAR ENERGY INSTALLATION & GENERATION SHALL BE PROVIDED AS PER CLAUSE CLAUSE NO. 17.5.1 OF CDOR-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 1.1 M. AS PER CL. NO. 13.1.3 OF CDOR-2017.

NOTES RELATED TO FIRE SAFETY

(1) HYDRANT SYSTEM

SMALL HYDRANT 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 80 LITERS PER MINUTE AT 2 BAR PRESSURE AS MEASURED AT THE TERRACE LEVEL SHOULD BE INSTALLED.

THE RISER FOR THE BUILDING EXCEEDING 18 METERS HEIGHT SHOULD NOT BE LESS THAN 100 MM INTERNAL DIAMETER. THE RISER SHOULD BE CONNECTED TO THE BOTTOM OF THE TERRACE TANK WITH A STOP VALVE AND A HANG TO ACT AS A DOWN-COMER. ONE RISER IS REQUIRED FOR EVERY 100 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 WITH 8 MM SHUT-OFF NOZZLE AT EACH FLOOR LANDING. THE LENGTH OF THE HOSE SHOULD BE ENOUGH TO REACH THE FURTHEST CORNER OF THE FLOOR. HOSE BOX WITH 16 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 PREMISES WHERE A FIRE SERVICE VEHICLE CAN APPROACH EASILY.

PERMANENT HYDRANT POINT COMBINING OF 63 MM DIA SIZE 2 NOS OF HYDRANT VALVES SHOULD BE INSTALLED AT THE TERRACE LEVEL.

OVERHEAD TANK REFLING BYPASS CONNECTION SHOULD BE DONE AT THE TERRACE LEVEL. THE OVERHEAD TANK SHALL BE OF A CAPACITY OF NOT LESS THAN 2000 LITERS. THE UNDERGROUND TANK SHALL BE OF NOT LESS THAN 10000 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 THE BUILDING IS DIVIDED INTO A MORE PARTS THEN EACH PART SHOULD HAVE A FIRE LIFT. LIFT WELL SHOULD HAVE RAILINGS 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 (CO₂) 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 INSTALL ON EACH FLOOR IN CASE OF COMMERCIAL BUILDING.

ONE CARBON DIOXIDE (CO₂) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK. OR TWO CARBON DIOXIDE (CO₂) TYPE EXTINGUISHER OF 4 KG. CAPACITY ON EACH FLOOR AND 5 KG. DRY CHEMICAL POWDER (DCP) WITH ISI MARK TYPE EXTINGUISHER ON ALTERNATE FLOOR IN CASE OF RESIDENTIAL BUILDING.

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 FROM THE STAIRCASE IS IN THE CENTRE CORE OF THE BUILDING IT HAS TO BE PRESSURIZED TO PREVENT IT FROM GETTING SMOKE LOGGED. IN CASE OF FIRE, COVER SHOULD BE LOCATED AT THE STAIRCASE CLOSE TO IT 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 SPRINKLER HEAD FOR ACTUAL CAR PARKING SPACE.

ADDITIONALLY BE PROTECTED BY A HYDRANT OUTLET AND TWO 25 MM BORE HOSE-REEL HOSES WITH 8 MM. BORE NOZZLES AT EACH BASEMENT LEVEL.

(7) LIGHTNING ARRESTER

A LIGHTNING ARRESTER SHOULD ALSO BE INSTALLED AND BE PROPERLY EARTHED TO PREVENT DAMAGE TO THE BUILDING WHEN THE LIGHTENING STRIKES.

(8) PHOTO LUMINESCENT AUTO GLOW SIGNAGES

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

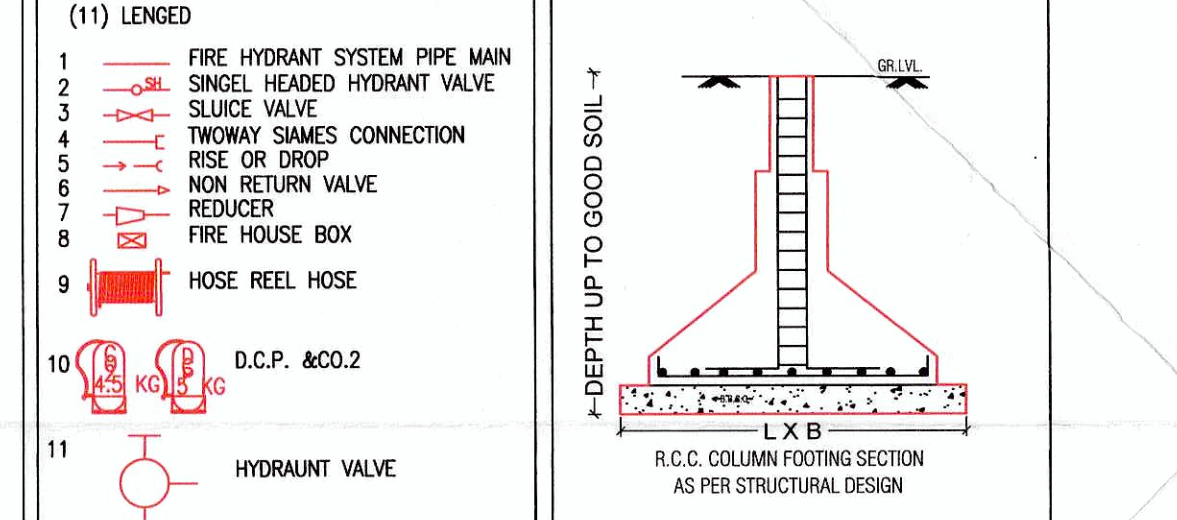
(9) ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE SAFETY SYSTEM

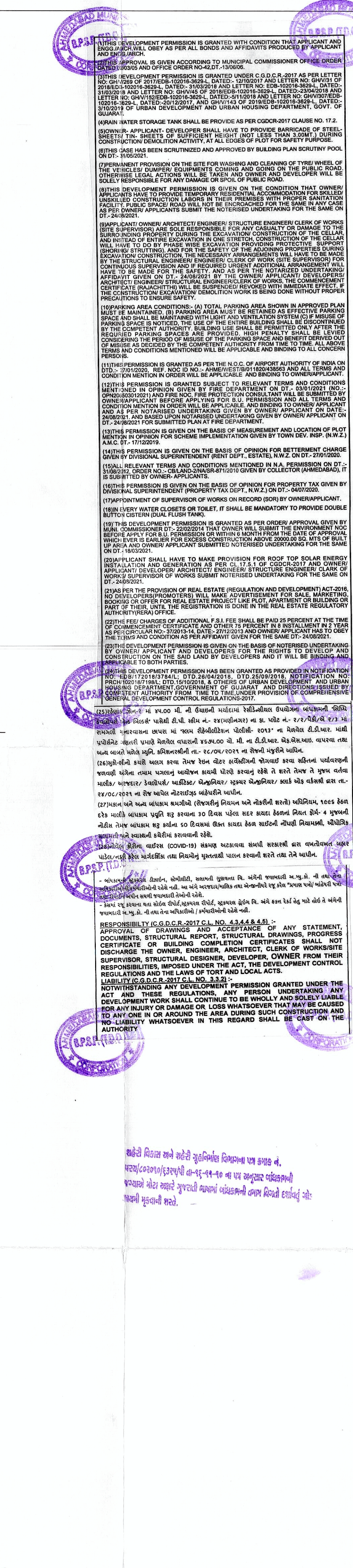
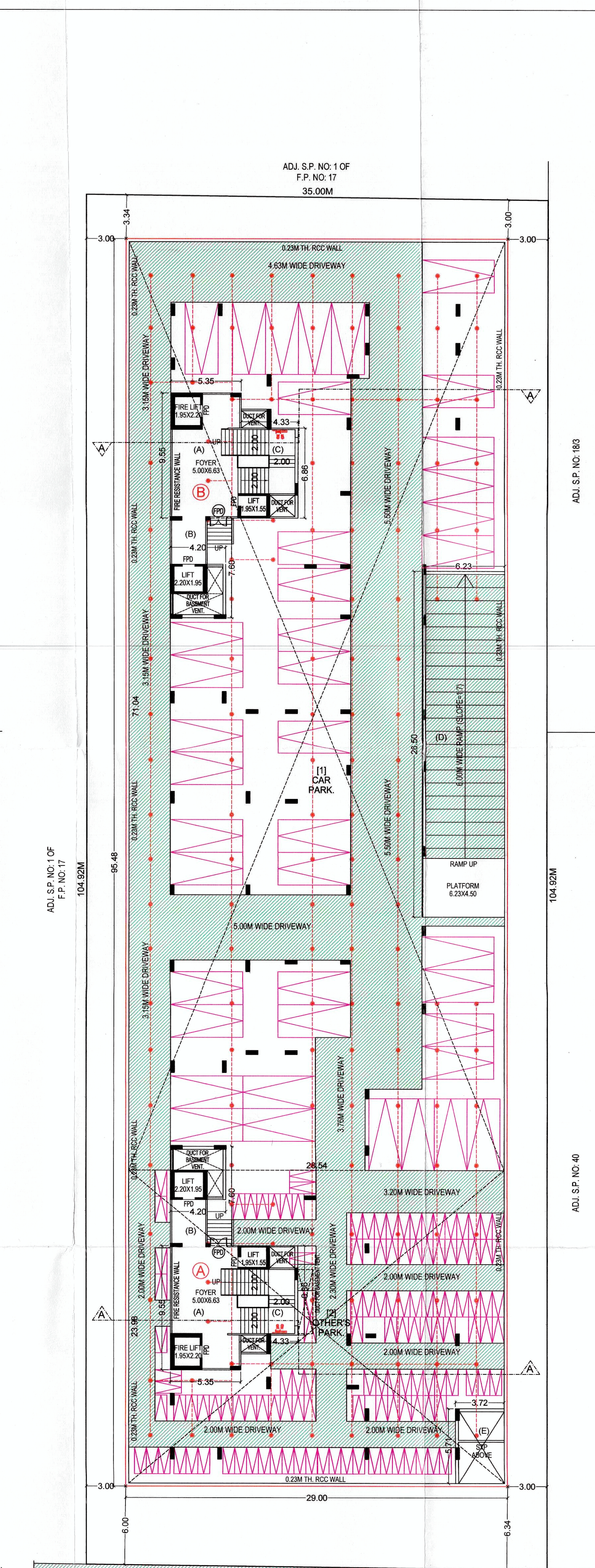
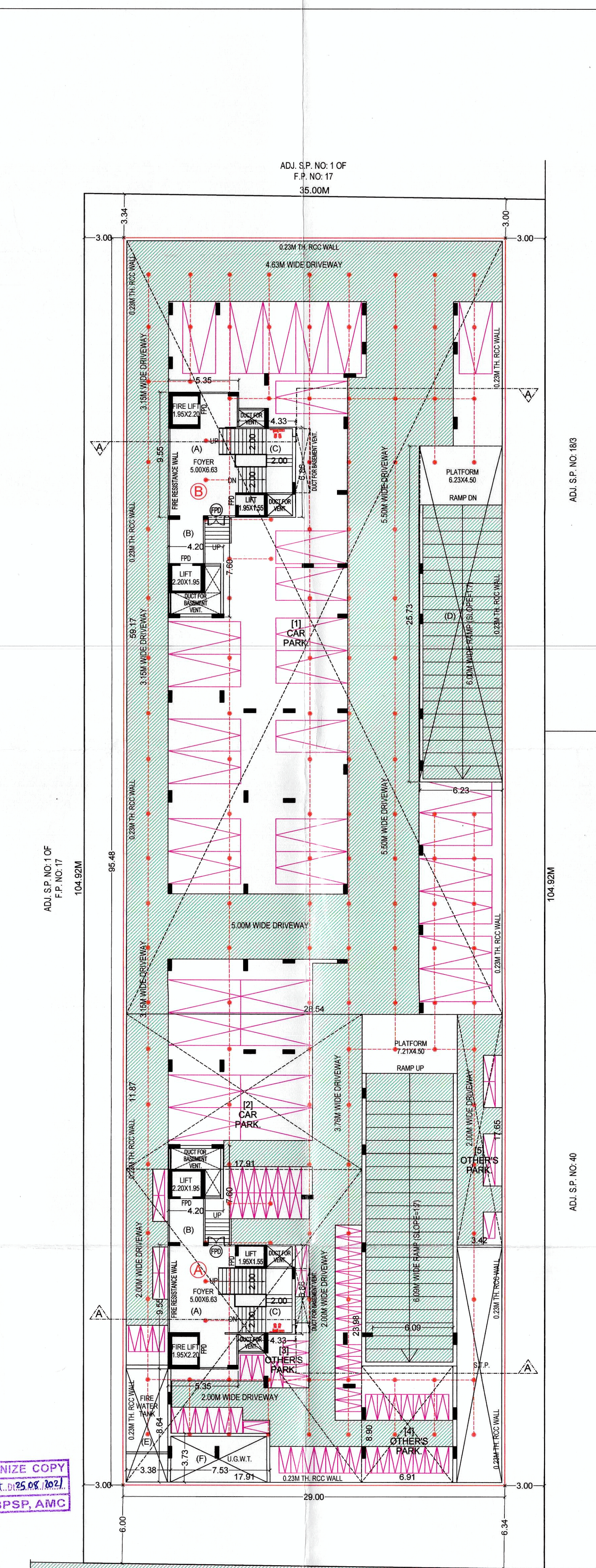
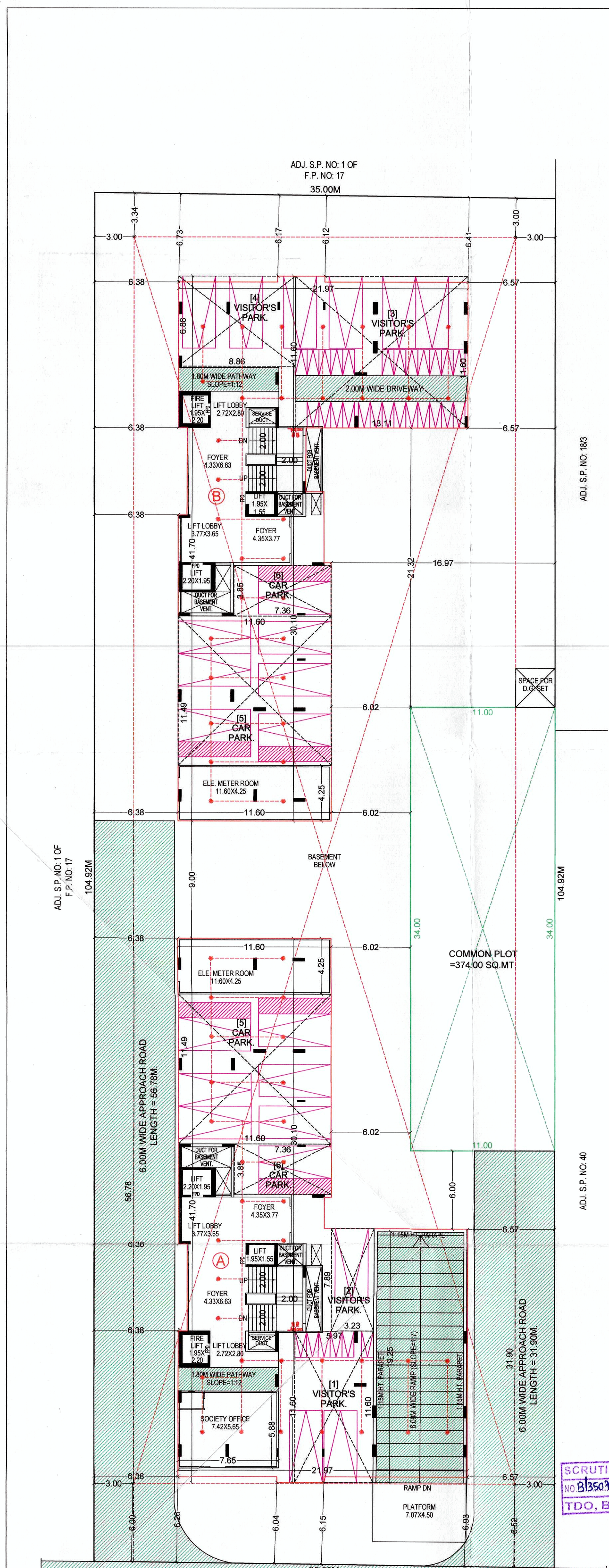
ELECTRICITY SUPPLY TO THE FIRE PUMP FIRE ALARM SYSTEM STAIRCASE PRESSURIZATION SYSTEM AND FIRE LIFT SHOULD BE MADE AVAILABLE FROM THE MAIN ELECTRICAL SUPPLY, I.E. FROM ELECTRICAL POWER SUPPLY OF THE COMPANY. THIS IS TO ENSURE AVAILABILITY OF POWER SUPPLY TO THE FIRE PROTECTION & SAFETY SYSTEM EVEN AFTER 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 CONSIDERS THE NEED FOR ADDITIONAL FIRE PREVENTION / PROTECTION / VENTILATION SYSTEM REQUIRED OR EQUIPMENT (I.E. PASSIVE SYSTEM / SPRINKLER / FIRE EXTINGUISHER ETC.) AS PER FIRE LOAD / FIRE RISK PUBLIC DETERMINING, PLOT / OCCUPANCY / CONFINED AREA, THOSE ADDITIONAL MEASURES / EQUIPMENT HAVE TO BE IMPLEMENTED / INSTALLED.

FIRE SAFETY PROVISION SHALL BE PROVIDED AS PER AMC-FIRE & EMERGENCY SERVICES DEPT. - OPINION NO.DTD.





1ST & 2ND BASEMENT & G.F. PARKING LAYOUT PLAN										SHEET NO.- 2/5							
PLAN SHOWING PROPOSED RESIDENTIAL BUILDING ON S.P. NO.2 OF F.P. NO. 17, [SUR. NO: 660/1+2, 661/1 TO 4], T.P.S. NO. 41 (SOLA-HEBATPUR) (FINAL), MOJE: SOLA, TAL. GHATLODIYA, DIST: AHMEDABAD.																	
SCALE : 1 CM = 2.0M.																	
ZONE : RESIDENTIAL-II (R2)										BLOCK-A							
USE : RESIDENTIAL (DWS)																	
BUILT UP AREA CALCULATION																	
1ST & 2ND BASEMENT 29.00x95.48 = 2768.92 SQ.MT.																	
PARKING AREA TABLE										IN SQ.MT.							
TOTAL FSI AREA USED = 11285.02																	
PARKING REQ. @ 20% = 2257.00																	
PARKING AREA TABLE																	
										REQUIRED		PROVIDED					
										GR. LEVEL		1ST BASE		2ND BASE		TOTAL	
VISITOR PARK @ 10%										225.70		307.77		-		307.77	
CAR PARK @ 50%										1128.50		323.24		1628.29		1749.67	
OTHERS PARK @ 40%										902.80		-		381.34		931.78	
TOTAL PARK.										2257.00		631.01		2009.63		2300.11	
														4940.75			
PARKING AREA CALCULATION												PARKING AREA CALCULATION					
1ST BASEMENT												2ND BASEMENT					
CAR PARK												CAR PARK					
(1) 28.54x59.17 = 1688.71												(1) 28.54x71.04 = 2027.48					
(2) 17.91x11.87 = 212.59												LESS					
LESS												(A) 5.35x9.55 = 51.09					
(A) 5.35x9.55 = 51.09												(B) 4.20x7.60 = 31.92					
(B) 4.20x7.60 = 31.92												(C) 4.33x6.86 = 29.70					
(C) 4.33x6.86 = 29.70												(D) 6.23x26.50 = 165.10					
(D) 6.23x25.73 = 160.30												= 277.81					
												= 1749.67 SQ.MT.					
OTHERS PARK												OTHERS PARK					
(3) 17.91x23.98 = 429.48												2ND BASEMENT 23.98					
(4) 6.91x8.90 = 61.50												LESS					
(5) 3.42x17.85 = 60.96												(A) 5.35x9.55 = 51.09					
LESS												(B) 4.20x7.60 = 31.92					
(A) 5.35x9.55 = 51.09												(C) 4.33x6.86 = 29.70					
(B) 4.20x7.60 = 31.92												(E) 3.72x5.71 = 21.24					
(C) 4.33x6.86 = 29.70												= 133.95					
(D) 3.72x5.71 = 21.24												= 550.44 SQ.MT.					
(E) 3.72x5.71 = 21.24																	
												= 381.34 SQ.MT.					
PARKING AREA CALCULATION																	
GR. LEVEL																	
VISITOR'S PARK																	
(1) 5.97x11.60 = 69.25																	
(2) 3.23x7.89 = 25.48																	
(3) 13.11x11.60 = 152.08																	
(4) 8.88x6.86 = 60.96												= 307.77 SQ.MT.					
CAR PARK																	
(5) 21.60x11.49 = 248.17																	
(6) 21.60x3.85 = 83.04												= 323.24 SQ.MT.					
SCHEDULE OF OPENING												RCC STAIR DETAIL					
DOOR												B.E. CIVIL, M.E. CIVIL (STRUCTURE)					
WINDOWS												WIDTH=2.00M					
W=3.00x1.20												TREAD=0.30M					
V=0.60x0.60												RISER=0.15M					
V=1.00x0.60																	
FPD= FIRE PROOF DOOR																	
VARAD DESIGNING STUDIO												VARAD DESIGNING STUDIO					
KRUNAL J SOLANKI												KRUNAL J SOLANKI					
AMC Lic No.: 001CW30072610341												AMC Lic No.: 001SR09082610979					
Radhawami Sadan Chindiya												Radhawami Sadan Chindiya					
Darawaja, Patan (M) 9427490412												Darawaja, Patan (M) 9427490412					
CLERK OF WORKS												S.O.R.					
VARAD DESIGNING STUDIO												HAARIS M. MAL					
AMAL K BIJMANI												B.E. CIVIL, M.E. CIVIL (STRUCTURE)					
Amc Lic No.: 001ERH10062810346												STRUCTURAL DESIGNER (G-1)					
11 Viraj Apartment Opp-Municipal												2010, SAHYADWADA, KHANPUR,					
School, Viraj Bag Ambawadi Abad 05												AHMEDABAD-380001					
MO.9427490412												SD0530210222					
ENGINEER.												STRU.ENGINEER.					
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