

GENERAL NOTES

- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MANHOLE IS VERIFIED BY ME ON SITE AND PREMISES CAN GATES DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO CGOBR 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 CGOBR 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. 13.1.11 AND 13.1.13 AND 22.6 OF CGOBR 2017.
- PEDESTRIAN RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.12 OF CGOBR 2017.
- LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.12 OF CGOBR 2017.
- WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.6 OF CGOBR 2017.
- LETTER BOX FOR EACH UNIT SHALL BE PROVIDED IS PROVIDED AT GROUND FLOOR LEVEL FOR EACH UNIT.
- WATER TANK FOR FIRE SAFETY REQUIREMENT PROVIDED AS PER THE CHAPTER NO. 13.6 OF CGOBR 2017.
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 13.11 OF CGOBR 2017.
- DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER THE CLAUSE NO. 13.6.2 OF CGOBR 2017.
- DRAINAGE FACILITY IS PROVIDED AS PER CLAUSE NO. 13.10 OF CGOBR 2017.
- SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDED AS PER CLAUSE NO. 13.7 OF THE CGOBR 2017.
- ENTRANCE OF THE BUILDING IS PROVIDED AS PER CLAUSE NO. 13.1.6 OF CGOBR 2017.
- THE PAVING OF THE BUILDING UTILITY FLOT AS PER THE PROVISION OF THE CLAUSE NO. 13.1.3 OF CGOBR 2017.
- THE STRUCTURE OF THE BUILDING IS DESIGNED AS PER THE NORMS SPECIFIED IN THE INDIAN STANDARD AND TAKE 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 THE CLAUSE NO. 17.2 OF CGOBR 2017.
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 17.2.4 & 17.2.5 OF CGOBR 2017.
- GREY WATER RECYCLING SYSTEM & DUAL PLUMBING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 17.3 OF CGOBR 2017.
- TREE PLANTATION IS PROVIDED AS PER THE CLAUSE NO. 17.4 OF CGOBR 2017.
- SOLAR ASSISTED WATER HEATING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 17.5 OF THE CGOBR 2017.
- POLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO. 18 OF CGOBR 2017.
- FIRE SAFETY SYSTEM IS PROVIDED AS PER THE CHAPTER NO. 14 OF CGOBR 2017.
- FIRE SAFETY PROVISION SHALL BE MADE AS PER FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION-2016 AND FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION-2013.
- MAINTENANCE AND UPGRADEATION OF BUILDING IS AS PER THE CHAPTER NO. 19 OF CGOBR 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 CGOBR 2017 AND FIRE PREVENTION AND LIFE SAFETY ACT-2016.
- ROOF TOP SOLAR ENERGY INSTALLATION & GENERATION SHALL BE PROVIDED AS PER CLAUSE NO. 17.5.1 OF CGOBR 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 SILL LEVEL AS PER CL. NO. 13.13 OF CGOBR 2017.

NOTES RELATED TO FIRE SAFETY.

(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 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 RING TO GO AT DOWN-CORNER. 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 OR MORE RISER 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 OF 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 PREMISES 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 REILLING 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 ELECTRICAL 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 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 INSTALLED 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 2 KG. CAPACITY ON EACH FLOOR AND 5 KG. DRY CHEMICAL POWDER (DCP) WITH ISI MARK TYPE EXTINGUISHER ON A TERRACE 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) STAIRCASE

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 PRESSURIZED TO PREVENT IT FROM GETTING SMOKE LOGGED. THE RISER/ DOWN- CORNER SHOULD BE LOCATED IN THE STAIRCASE OR 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 BMM. 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) PHOTO LUMINESCENT / AUTO GLOW / SIGNAGES

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) 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.

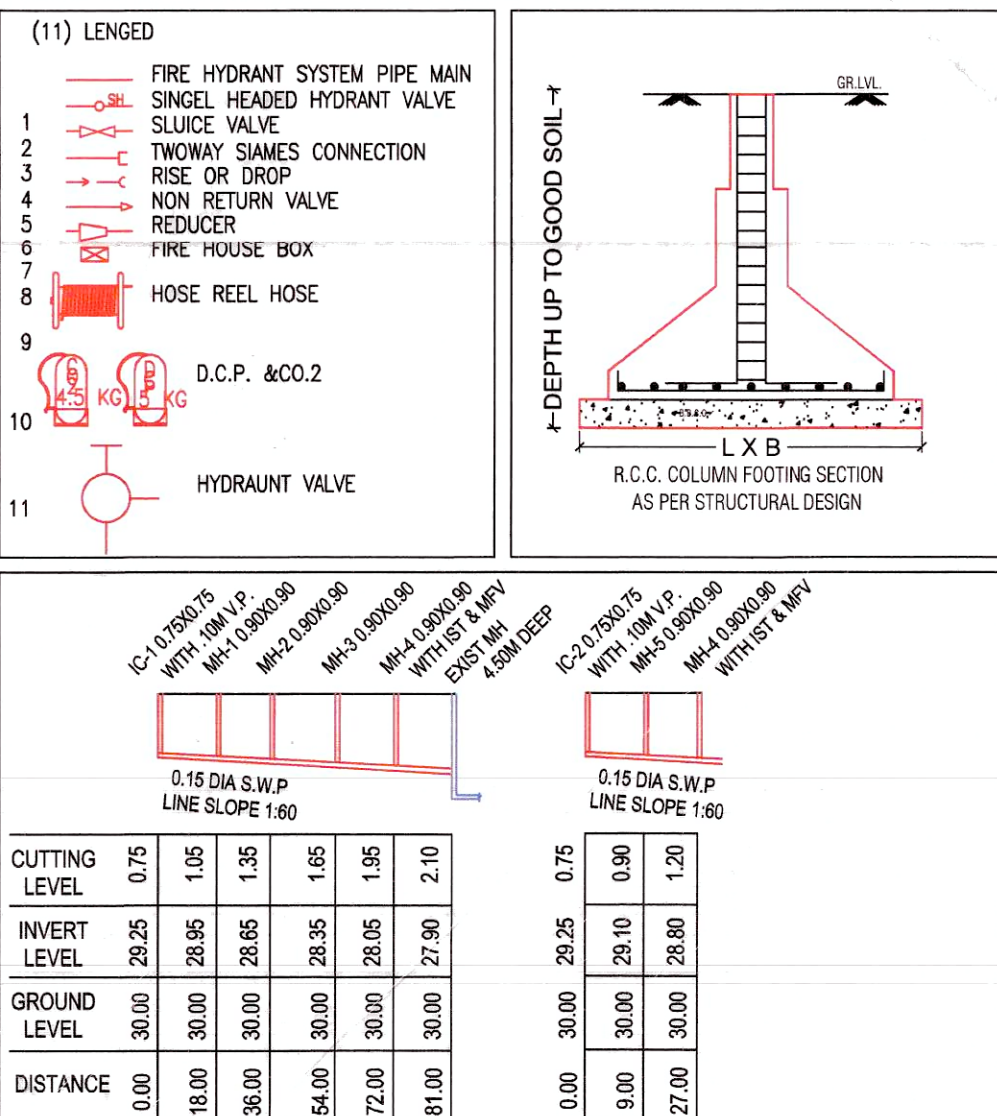
(9) ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE- SAFETY SYSTEM

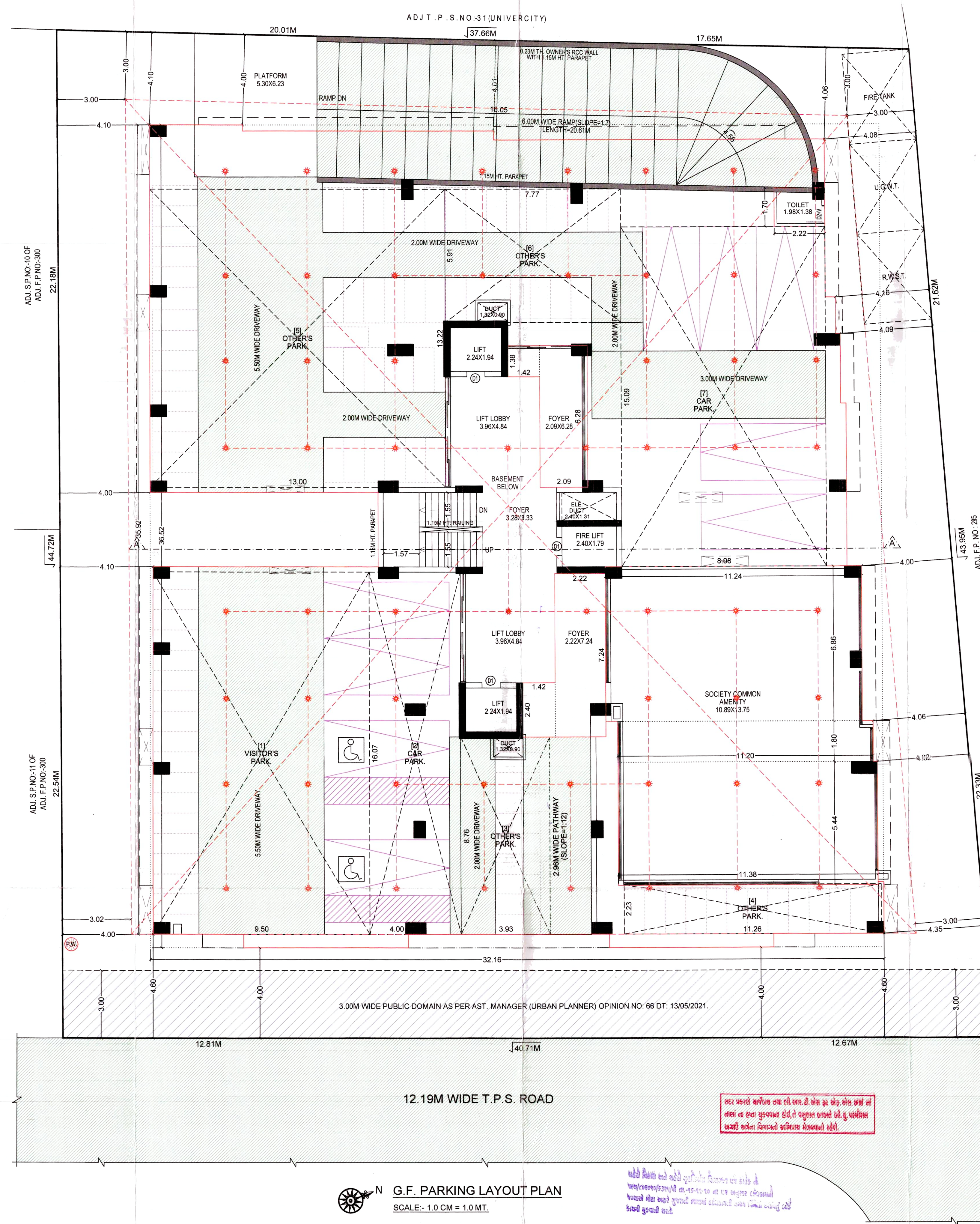
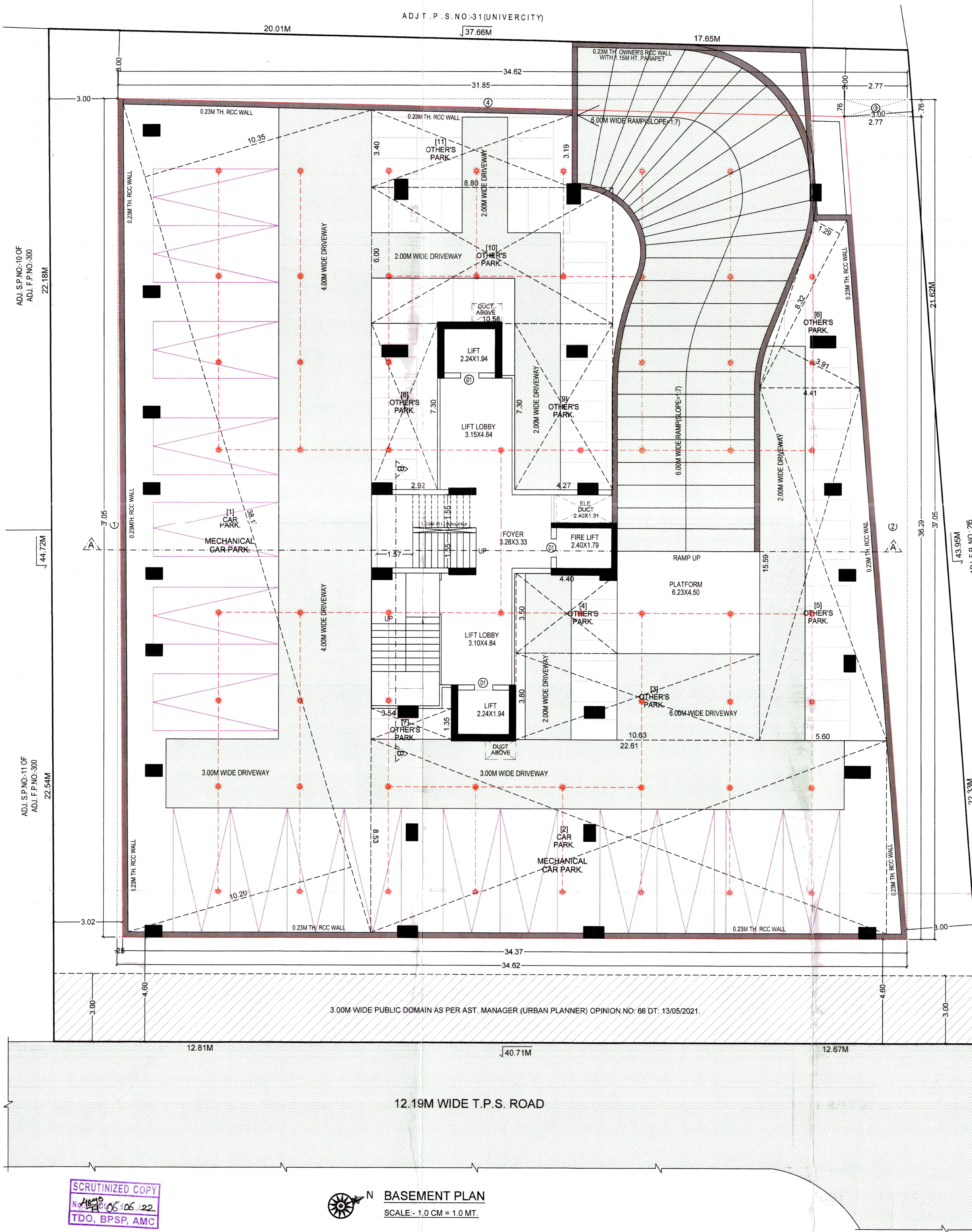
ELECTRICITY SUPPLY TO THE FIRE PUMP, FIRE ALARM SYSTEM, STAIRCASE PRESSURIZATION SYSTEM AND FIRE LIFT SHOULD BE MADE AVAILABLE FROM THE MAIN ELECTRICAL SUPPLY (I.E. FROM ELECTRICAL POWER SUPPLY OF THE COMPANY) THIS IS TO ENSURE AVAILABILITY OF POWER SUPPLY TO THE FIRE PROTECTION & SAFETY SYSTEM EVEN 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 CONCERNED FEELS THE NEED FOR ADDITIONAL FIRE PREVENTION/ PROTECTION/ VENTILATION SYSTEM REQUIRED OR EQUIPMENT (I.E. PASSIVE SYSTEM/ SPRINKLER/ DRENCHER ETC.) AS PER FIRE LOAD / FIRE RISK / PUBLIC GATHERING, POTENTIAL / 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.





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