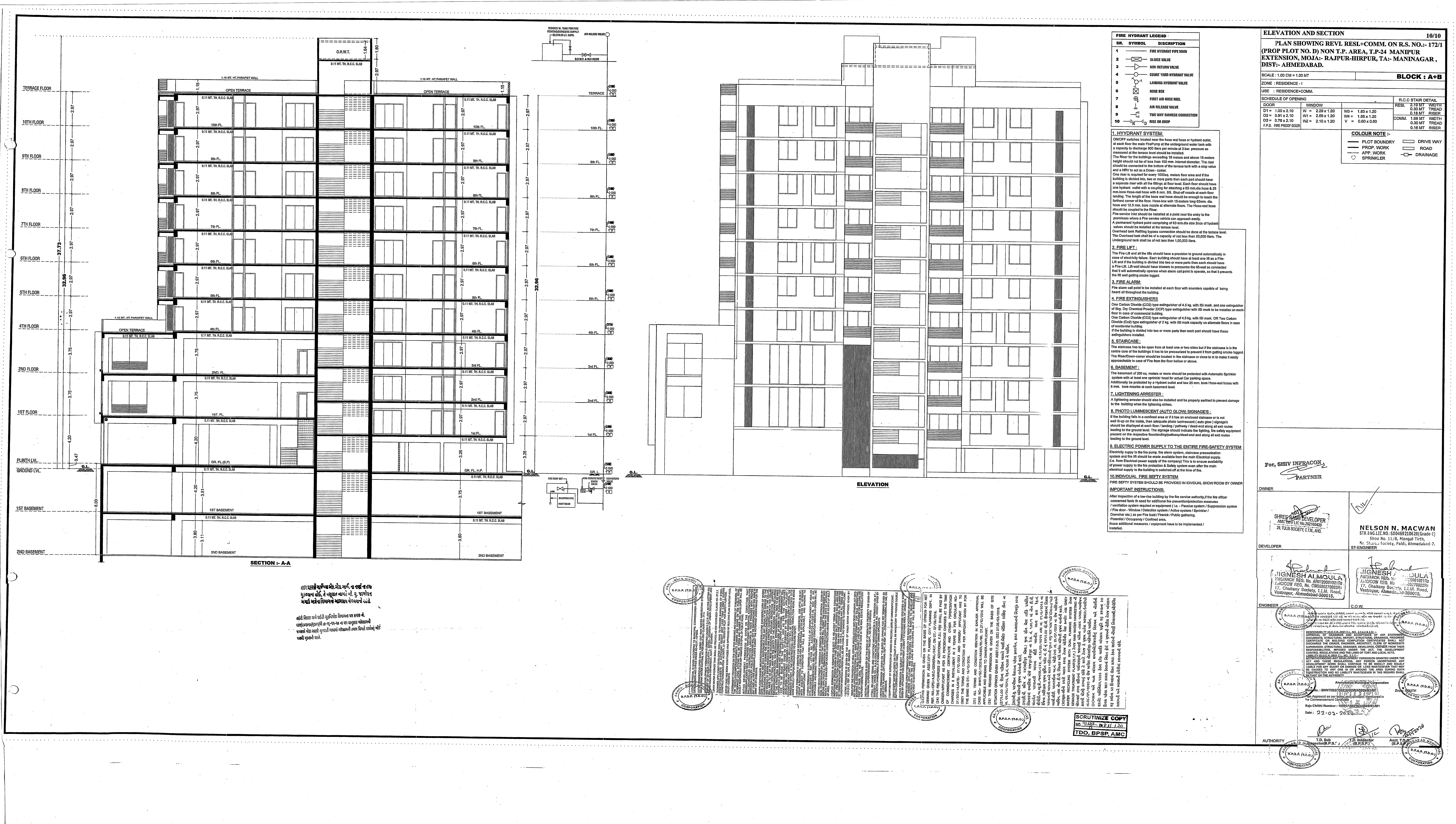
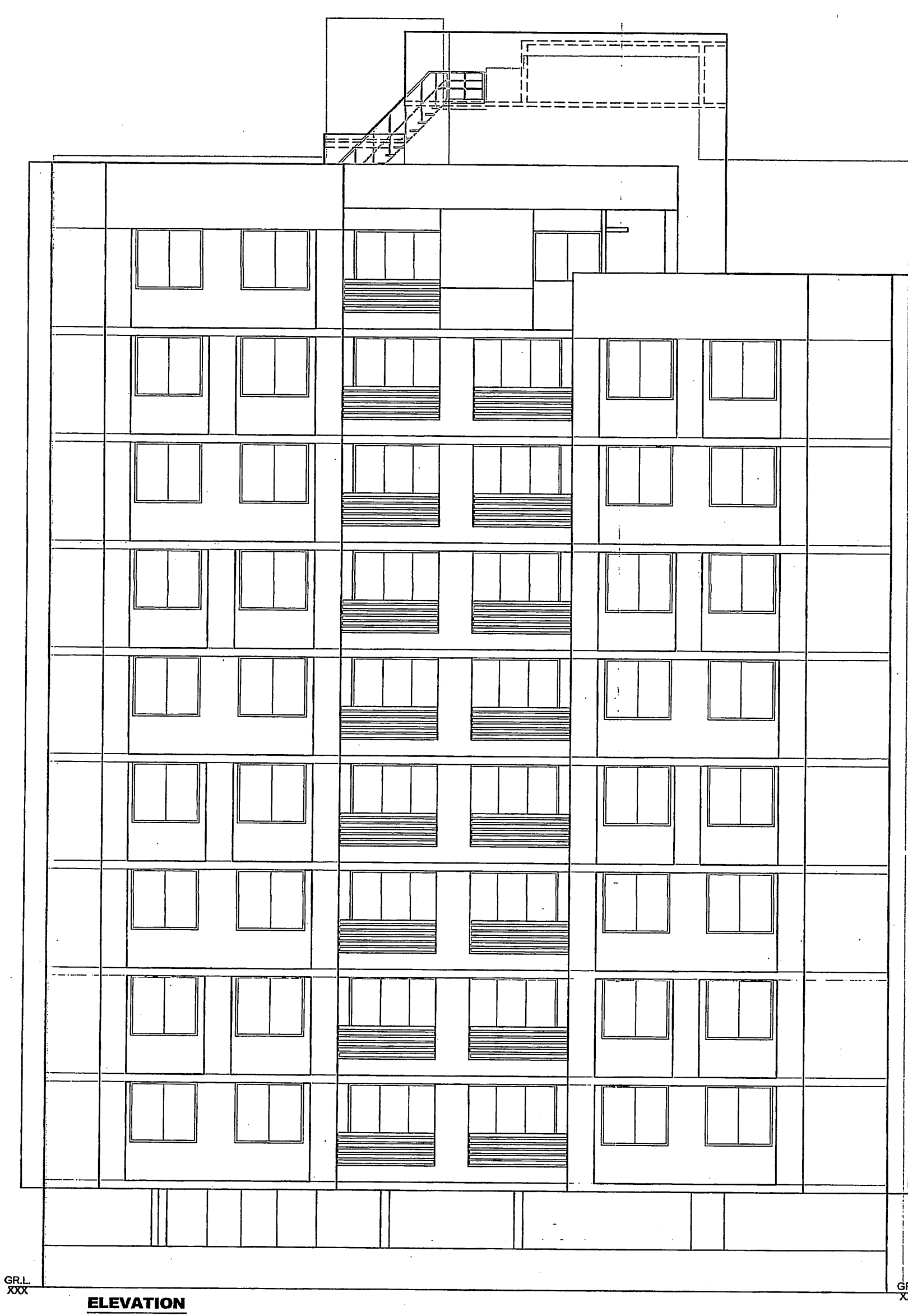






FIRE HYDRANT LEGEND		
SR.	SYMBOL	DESCRIPTION
1		FIRE HYDRANT PIPE MAIN
2		SLUICE VALVE
3		NON RETURN VALVE
4		COURT YARD HYDRANT VALVE
5		LANDING HYDRANT VALVE
6		HOSE BOX
7		FIRST AID HOSE REEL
8		AIR RELEASE VALVE
9		TWO WAY SIAMESE CONNECTION
10		RISE OR DROP

1. HYDRANT SYSTEM:
ONOFF switches located near the hose reel or hydrant outlet, at each floor the main Fire Pump at the underground water tank with a capacity to discharge 800 liters per minute at 3 bar. pressure as measured at the terrace level should be installed.
The Riser for the buildings exceeding 16 meters and above 16 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 RSV to act as a Down - corner.
One riser is required for every 100sq. 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 floor level. Each floor should have one hydrant outlet with a coupling for attaching a 63 mm dia hose & 25 mm bore Hose-reel hose with 8 mm. SS. Shut-off nozzle at each floor landing. The length of the hose reel hose should be enough to reach the farthest corner of the floor. Hose-box with 15 meters long 63mm. dia. 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 63mm dia. size 2nos of hydrant valves should be installed at the terrace level.
Overhead tank Refilling 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 the 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 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 it 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 Dry. Dry Chemical Powder (DCP) type extinguisher with ISI mark to be installed on each floor in case of commercial buildings.
One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. with ISI mark. OR Two Carbon Dioxide (CO2) type extinguisher of 2 kg. with ISI mark capacity on alternate floors 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 if the staircase is in the centre core of the buildings 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 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 lightning strikes.

8. PHOTO LUMINESCENT (AUTO GLOW) SIGNAGE'S:
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) signage's should be displayed at each floor / landing / pathway / dead-end along all exit routes leading to the ground level. The signage should indicate fire fighting, fire 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 the 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 at the time of fire.

10. INDIVIDUAL FIRE SEFTY SYSTEM
FIRE SEFTY SYSTEM SHOULD BE PROVIDED IN DIVIDUAL SHOW ROOM BY OWNER

IMPORTANT INSTRUCTIONS:
After inspection of a low-rise building by the fire service authority if the fire officer concerned feels th need for additional fire prevention/protection measures / ventilation system required or equipment (i.e. - Passive system / Suppression system / Fire door / Window / Detection system / Active system / Sprinkler / Drencher etc.) as per Fire load / Fire risk / Public gathering. Potential / Occupancy / Confined area, these additional measures / equipment have to be implemented / installed.

ELEVATION AND SECTION		3/3
PLAN SHOWING REVL RESL+COMM. ON R.S. NO.- 172/1 (PROP PLOT NO. D) NON T.P. AREA, T.P-24 MANIPUR- EXTENSION, MOJA:- RAJPUR-HIRPUR, TA:- MANINAGAR, DIST:- AHMEDABAD.		
SCALE : 1.00 CM = 1.00 MT		BLOCK : C+D
ZONE : RESIDENCE - I		
USE : RESIDENCE+COMM.		
SCHEDULE OF OPENING		
DOOR	WINDOW	R.C.C STAIR DETAIL
D1 = 1.00 x 2.10	W0 = 3.05 x 1.20	W0a = 1.52 x 1.20
D2 = 0.91 x 2.10	W1 = 2.55 x 1.20	2.00 MT WIDTH
D3 = 0.75 x 2.10	W1 = 2.44 x 1.20	0.30 MT TREAD
D+H = 1.75 x 2.10	W2 = 2.32 x 1.20	0.18 MT RISER
D+H1 = 1.52 x 2.10	W3 = 2.13 x 1.20	
D+H2 = 1.41 x 2.10	W4 = 1.94 x 1.20	
D+H3 = 1.39 x 2.10	W5 = 1.83 x 1.20	
F.P.D. FIRE PROOF DOOR	W6 = 1.84 x 1.20	V = 0.60 x 0.60
COLOUR NOTE :-		
PLOT BOUNDARY		DRIVE WAY
FLOOR WORK		ROAD
MANHOLE	APP. WORK	—X— DRAINAGE
○	SPRINKLER	

COLOUR NOTE :-	
	DRIVE WAY
	ROAD
	DRAINAGE

SCRUTINIZE COPY
NO. 123456789
TDO, BPSP, AMC

APPROVALS:
1. **SCHEMATIC APPROVAL:** [Stamp and Signature]
2. **STRUCTURAL APPROVAL:** [Stamp and Signature]
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7. **SEWAGE DISPOSAL APPROVAL:** [Stamp and Signature]
8. **LAND USE APPROVAL:** [Stamp and Signature]
9. **FINAL APPROVAL:** [Stamp and Signature]

NOTES:
1. The plan is submitted for approval of the proposed building. The plan is in accordance with the provisions of the Building Act, 1972 and the Building Rules, 1973.
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For, SHIV INFRACON
[Signature]
PARTNER

OWNER

SHREE GANG DEVELOPER
AMO DEV LIC NO. 22160420
2, TULSI SOCIETY, C.T.M., AH.

DEVELOPER

NELSON N. MACWAN
STR. ENG. LIC. NO. SD0469210620 (Grade-I)
Shop No. 11/B, Mangal Tirth,
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ST-ENGINEER

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ARCHITECT

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AMO/ARCH REG. NO. CW0580270823R1
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Vastrapur, Ahmedabad-380015.

ARCHITECT

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