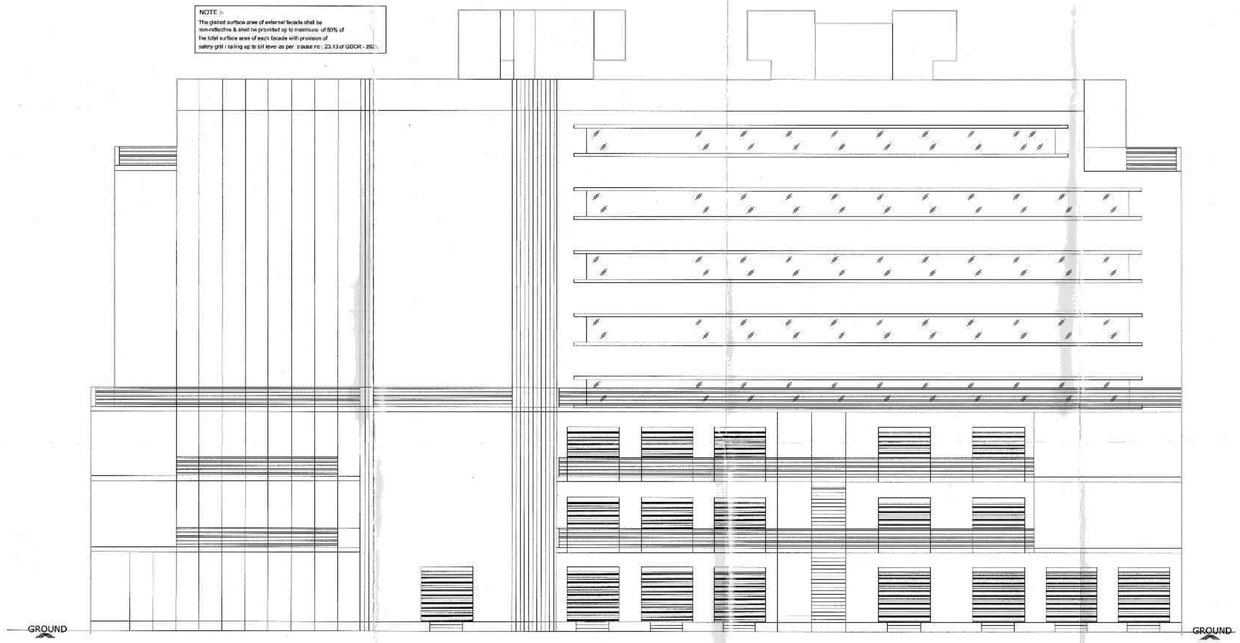
NOTE :-
The glazed surface area of external facade shall be non-reflective & shall be provided up to maximum of 50% of the total surface area of each facade with provision of safety grill / railing up to sill level as per clause no : 23.13 of GDCR - 2021.



ELEVATION

1. HYYDRANT SYSTEM:

ON/OFF switches located near the hose reel hose or hydrant outlet, at each floor the main FirePump at the underground water tank with a capacity to discharge 900 liters per minute at 3 bar pressure as measured at the terrace level should be installed.
The Riser for the buildings exceeding 18 meters and above 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 non return valve and a NRV to act as a Down - corner.
One riser is required for every 1000sq. meters floor area and if the building is divided into two or more parts then each part of building have a separate riser with all the fittings at floor level. Each floor should have one hydrant outlet with a coupling for attaching a 60 mm diameter & its landing. The length of the hose reel hose should be enough to reach the farthest corner of the floor. Hose box with 16 meters long 20mm 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 hose 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 go and 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 should have a Fire-Lift. Lift-well should have blowers to pressurize the lift well as 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 throughout the building.

4. FIRE EXTINGUISHERS

One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. with ISI mark and one extinguisher of 5kg. Dry Chemical Powder (DCP) type extinguisher with ISI mark to be installed in 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. 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. Hose Reel hose reel hose with 6 mm. ISI. Blue off nozzle at each floor

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 is 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 hose with 6 mm. bore nozzle 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) 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 / passway / 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/passway/dead end and along all exit routes leading to the ground level.

9. ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE-SAFETY SYSTEM

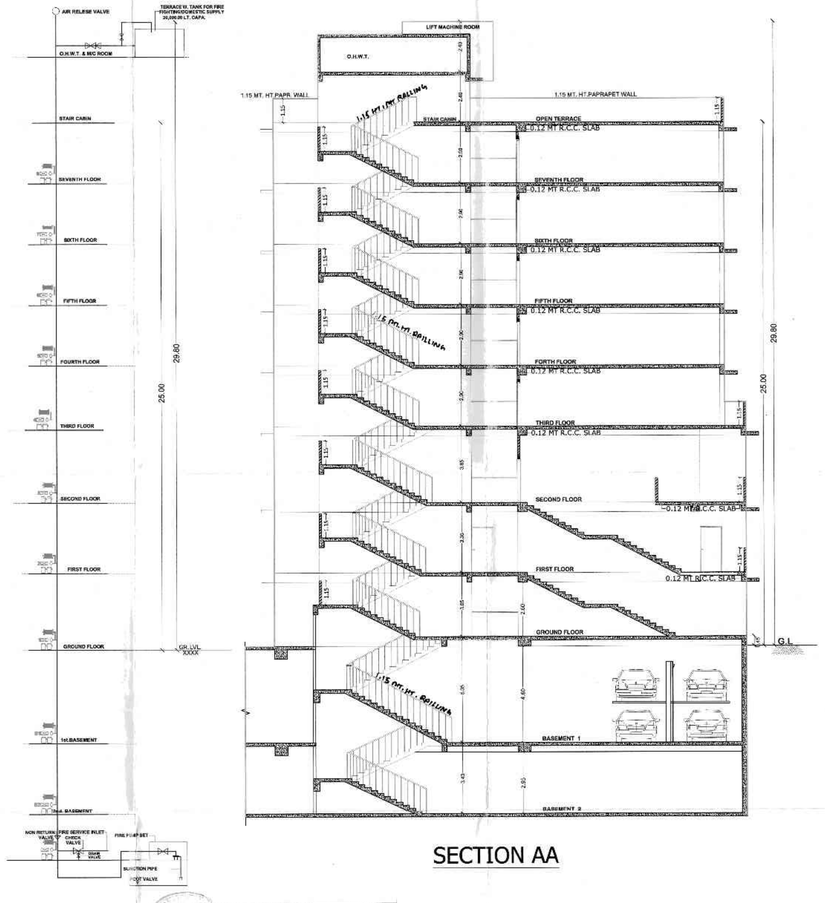
Electricity supply to the fire pump, fire alarm system, staircase pressurization system and fire lift should be made available from the main electrical supply (i.e. from Electrical power supply of the company). This is to ensure availability of power supply to the fire protection & Safety system even after the main electrical supply to the building is switched off at the time of fire.

10 INDIVDUAL FIRE SETTY SYSTEM

FIRE SETTY SYSTEM SHOULD BE PROVIDED IN DIVDUAL SHOW ROOM BY OWNER

IMPORTANT INSTRUCTIONS:

After inspection of a low-rise building by the fire service authority,if the fire officer concerned feels the 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 / Firerick / Public gathering, Potential / Occupancy / Confined area, those additional measures / equipment have to be implemented / installed.



SECTION AA

FIRE HYDRANT LEGEND		
SR.	SYMBOL	DISCRIPTION
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

SCRUTINIZE COPY
NO. 7235 Sub. 03/12
TPO, BPSP, AMC

ELE / SECTION

SHEET NO = 13/13

PLAN SHOWING REVISED COMM. BLUILDING ON F.P. NO. : 411, T.P.S. NO:- 29 (NARANPURA) 2nd VARIED DRAFT O.P. NO. 411 OF SUR. NO. : 260/2, AT VILLAGE : VADAJ, TA : SABARMATI, DIST :- A'BAD .

SCALE:1CM = 1.00 MTR.

ZONE: RESI.-I

USE: COMM

RESPONSIBILITY (G.D.C.R.-2021 Cl. NO. 4.5.4 & 4.5.5) :-
APPROVAL OF DRAWINGS AND ACCEPTANCE OF ANY STATEMENT, DOCUMENTS, STRUCTURAL REPORT, STRUCTURAL DRAWINGS, PROGRESS REPORTS, ETC. DOES NOT ABSOLVE THE OWNER, ENGINEER, ARCHITECT, CLERK OF WORKS, CONTRACTOR, HIS 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 LEGAL ACTS.
NOTE: THE ISSUE OF PERMISSION OR ACCEPTANCE OF DRAWINGS AND ISSUE OF 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 PERSON OR PROPERTY THE AREA DURING SUCH CONSTRUCTION AND NO LIABILITY WHATSOEVER IN THIS REGARD SHALL BE CAST ON THE AUTHORITY

SCHEDULE FOR OPENING	STAIR DETAILS
D = 1.00 X 2.10 W1 = 1.50 X 1.80	WIDTH : 1.68 MTR.
FD1= 0.75 X 2.10 W2 = 3.20 X 1.80	TREAD :- 0.30 MTR.
W = 1.80 X 2.00 W3 = 5.20 X 1.80	RISER :- 0.16 MTR.
V = 0.60 X 0.60	
R.S. = 3.69 X 2.60	
WITH SAFETY GRILL 0.60 mt. SILL LEVEL.	

COLOUR NOTE

PROP. WORK		PROP. DRAINAGE		TREE	
PERCO. WELL		PLOT BOUND.		CONTAINER	
ROAD		COMM. PLOT			
APPROVE WORK		SPRINKLER			

For, SARASWATI BUILDCON
(PARTNERS)

OWNER

SARASWATI BUILDCON
AMC LIC. NO. : DEV 720100521
ANISHBHAI RALWANTBHI SHUKLA
B/204, MADHUVAN 22,
OPP. HERITAGE HOME,
THALTEJ, AHMEDABAD - 54.
DEVELOPER

DIPESH D. MISTRY
STRU. L NO. : S00431110319
205, ADITRAJ ARCADE,OPP. HETVI TOWER
ANAND NAGAR ROAD, SATELLITE
AHMEDABAD -380015
STR. ENGINEER

MAHESH N. DONGA
305, HARVY COMPLEX,
SUBHASH CHOWK,
MEMNAGAR, AHMEDABAD.
AMC - ER : 0564071219 R2
ENGINEER

JATIN R. BHAVSAR
AMC/CW LIC. NO. : 0565050518
3, SHIV ASHISH SOC.
NR. KALPUR BANK, BOPAL-GHUMA ROAD, BOPAL.
C.O.W.

Ahmedabad Municipal Corporation
Case No. : BLNTW/072016/0010/S/2020/1181 Zone: WEST
Plan Approved as per letter of self certification submitted in the Online Development Permission
Raja Chitnis Number : 1015022016107020215181
Date : 26/4/18
AUTH
Sub Inspector (Civic Center) | Asst. T.D.O.&Ex. E.O. (Civic Center) | Rajendra Jadhav Dy T.D.O. WEST | ARJAV J. SHAH(EC) Dy BO WEST
B.P.S.P. (T.D.O.)