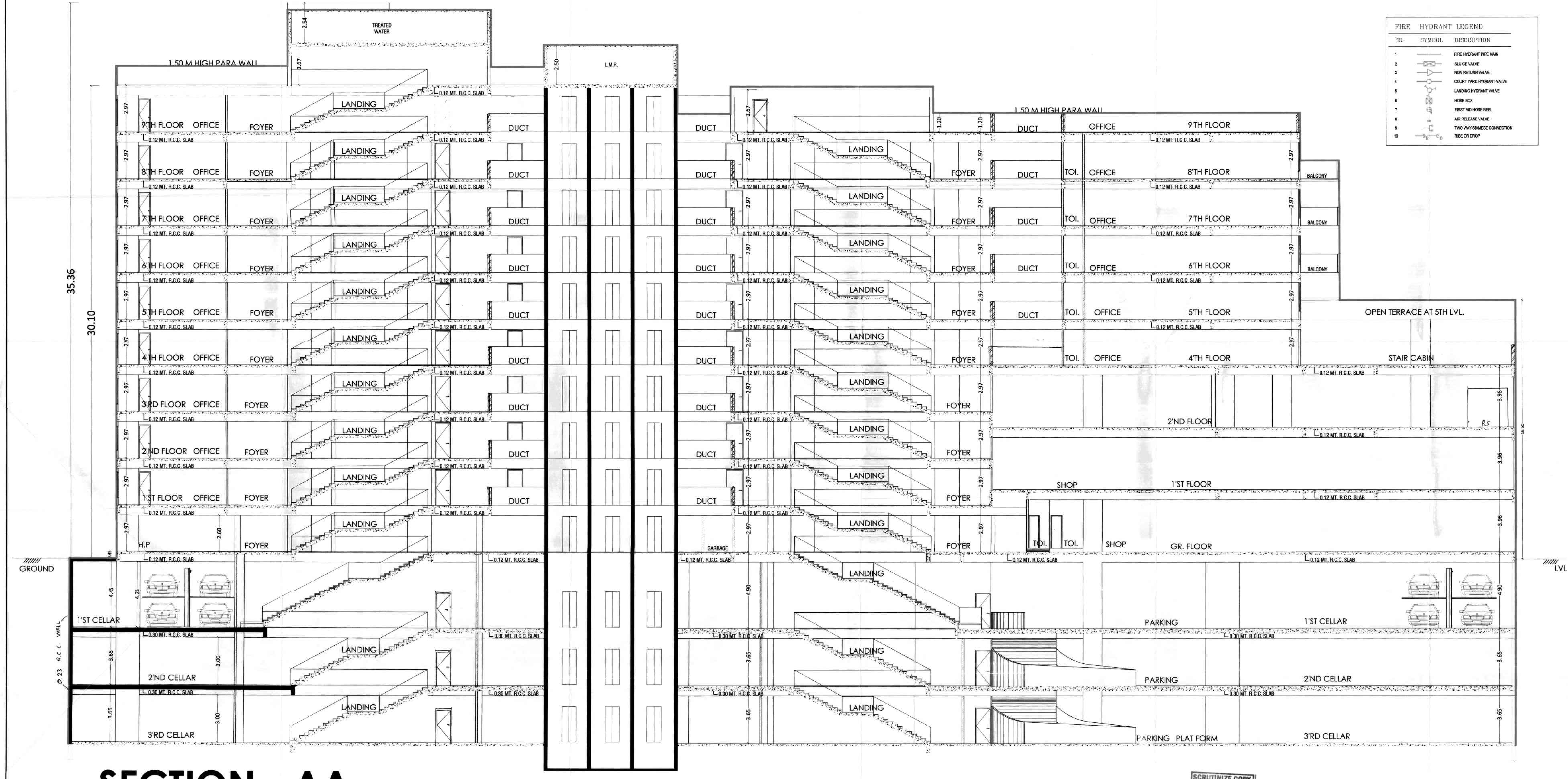
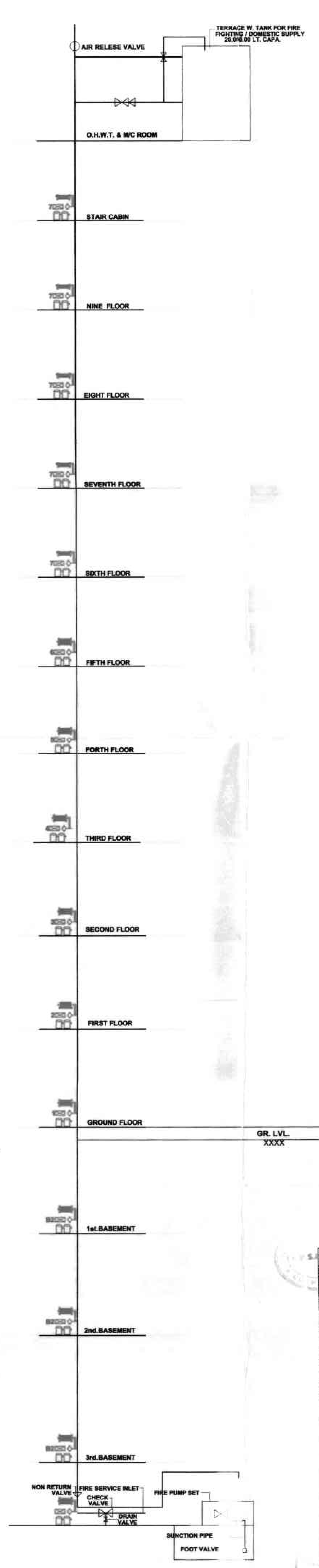


SECTION - AA



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

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 stop value and a NRV to act as a Down - comer.
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 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. 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 premisses where a Fire servise vehicle can approach easily.
A permanent hydrant point comprising of 63 mm.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 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 (CO_2) 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 on each-floor in case of commercial building.
One Carbon Dioxide (CO_2) type extinguisher of 4.5 kg. with ISI mark. OR Two Carbon Dioxide (Co_2) 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-comer should be located in the staircase or close to in to make it easily approachable in case of Fire from the floor bellow 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. 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) SIGNAGE'S :

If the building fails 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 suppy 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 SEFTY SYSTEM

FIRE SEFTY SYSTEM SHOULD BE PROVIDED IN IDIVDUAL 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 / Firerick / Public gathering. Potential / Occupancy / Confined area, those additional measures / equipment have to be implemented / installed.

SECTION

SHEET NO = 10/10

LAY OUT PLAN SHOWING PROP. COMM. BLDG. ON F.P. NO.:236 T.P.S. NO :- 50 (BODAKDEV) (PRELIM.), R. SURVEY NO. 197/2/2 AT VILLAGE : BODAKDEV, TAL. :- DASKROI, DIST AHMEDABAD.

SCALE:1CM = 1.00 MTR.

ZONE: RESI.- II

USE: COMM

SCHEDULE FOR OPENING

R.S. = 4.00 X 2.45 W = 2.00 X 2.45
D = 1.05 X 2.10
FPD1 = 0.91 X 2.10
D2 = 0.76 X 2.10
V = 0.45 X 0.60

STAIR DETAILS

WIDTH :- 2.00 MTR.
TREAD :- 0.30 MTR.
RISER :- 0.15 MTR.

COLOUR NOTE

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

SUNIL RAMANBHAI PATEL
SELF AND POA FOR
KAMAL BHARATBHAI PATEL
RAJAL BHARATBHAI PATEL

DASHARATHBHAI.B.PATEL
SELF AND POA FOR
SAMIR DASHARATHBHAI PATEL
SHEFALI SAMIRBHAI PATEL

DIVYANG DASHARATHBHAI PATEL
SELF AND POA FOR
BHARANTI DIVYANG PATEL

OWNER

SHILP DEVELOPERS
AMC LIC NO. DEV816041021
YASH G. BRAHMBHATT
204, SHILP-3, MANN PARTY PLOT
SINDHUBHAVAN ROAD,
BODKDEV, AHMEDABAD - 54.

DEVLOPER

UMANG. J. PATEL
STRU. DESIGNER GRADE-1
LIC. NO: S00205050517R2
203, PARISHRAM ELEGANT,
SOLA, AHMEDABAD-60

STR. ENGINEER

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

ENGINEER

RAJESH D. DAVE
204, SHILP-3, MANN PARTY PLOT
CROSS ROAD, SINDHUBHAVAN ROAD,
BODKDEV, AHMEDABAD - 54.
LIC No- CW 0774290821

C.O.W.

RESPONSIBILTY (G.D.C.R.-2021 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 (G.D.C.R.-2021 C.L. NO. 3.3.1) :-
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

Ahmedabad Municipal Corporation

Case No. : BHNTI/NWZ/281116/GDR/A7631/R0/M1 Zone: New West

Plan Approved as per terms and condition mentioned in the Commencement Certificate

Raja Chitthi Number : 8000/281116/A7631/R0/M1

Date : 23/02/2017

Sub Inspector (Civic Center) | Asst. T.D.O./Asst. E.O. (Civic Center) | CHAITANYA J. SHAH (I/C) Dy T.D.O. New West | D.A. Shah Dy MC New West

AUTHORITY

SCRUTINIZE COPY
TDO / SP, AMC