

[illegible]

The Basic Requirements For Fire Protection Of Building In A.M.C. and A.U.D.A. Area 1. HYDRANT SYSTEM: ON/OFF switches located near the hose reel hose or hydrant outlet, at each floor the main Fire Pump at the underground water tank with a capacity to discharge the <u>900 liters per minute at 3 bar pressure</u> as measured at the <u>terrace level</u> should be installed. The Riser for the buildings exceeding <u>18 meters</u> height should not be of less than <u>100 mm</u> internal diameter. The riser should be connected to the bottom of the terrace tank with a stop valve and a NRV to act as a Down - counter. <u>One riser is required for every 100sqm, meters floor area</u> and if the building is divided into flat or more parts then each part should have a <u>separate riser with all the fittings at each floor level</u>. Each floor should have one hydrant outlet with a coupling for attaching a <u>63 mm dia. hose, & 25 mm bore Hose reel hose with 8 mm. SS. Shut-off nozzle</u> 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 <u>15 meters long 63mm. dia. hose and 12.5 mm. bore nozzle at alternate floors</u>. 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 connection approach easily. The Overhead tank shall be of a capacity of <u>not less than 20,000 liters</u>. The Underground tank shall be of a capacity of <u>not less than 1,00,000 liters</u>.		UN	FLOOR
2. FIRE ALARM: Fire alarm call point to be installed at each floor with <u>sounders capable of being heard all throughout</u> the building.		BASEMENT	BASEMENT
3. FIRE EXTINGUISHERS: One Carbon Dioxide (CO₂) type extinguisher of <u>4.5 kg</u> with ISI mark, and one extinguisher of <u>5kg. Dry Chemical Powder (DCP)</u> ISI mark to be installed in floor in case of commercial building. Two Carbon Dioxide (CO₂) type extinguisher of <u>2 kg</u>, with ISI mark capacity on each floor and, Dry Chemical Powder (DCP) type extinguisher with ISI mark on alternate floors in case of residential buildings. If the building is divided into two or more parts then each part should have these extinguishers installed.		GROUND FLOOR	GROUND FLOOR
4. STAIRCASE: The staircase has to be covered at least one or two sides but if the staircase is in the center core of the buildings it has to be pressurized to prevent it from getting smoke logged. The Riser/Down counter should be located in the staircase or close to it main to make it easy accessible in case of Fire from the floor below or above.		2ND FLOOR	3RD FLOOR
5. LIGHTENING ARRESTER : A lightning arrester should also be installed and be properly bonded to prevent damage to the building when lightning strikes.		4TH FLOOR	5TH FLOOR
6. ELECTRIC POWER SUPPLY FOR HYDRANT LINE Entire electric supply for hydrant line will be provided <u>separately</u> by separate electric supply from co. supply		6TH FLOOR	7TH FLOOR
7. IMPORTANT INSTRUCTION After inspection of <u>1mc Fire Building By The Fire Service Authority</u> if the Fire Officer		8TH FLOOR	9TH FLOOR
		10TH FLOOR	11TH FLOOR
		12TH FLOOR	13TH FLOOR
		TOTAL	COMM
		NET PL	RET. CL
		41.82	41.82
		NET PR	DUST
		TOTAL	SHALL
		CONTAIN	SAY 1 N
		MAX. G	PROVIDE
		TOTAL	

GROUP	A	B	C	TOTAL
BLOND (S. P.)	451.42	73.38	65.43	590.23
1ST FLOOR	531.83	554.56	501.68	1588.07
2ND FLOOR	552.70	554.15	539.01	1645.86
3RD FLOOR	552.70	554.15	539.01	1645.86
4TH FLOOR	552.70	554.15	539.01	1645.86
5TH FLOOR	552.70	554.15	539.01	1645.86
6TH FLOOR	552.70	554.15	539.01	1645.86
7TH FLOOR	552.70	554.15	539.01	1645.86
8TH FLOOR	552.70	554.15	539.01	1645.86
9TH FLOOR	552.70	554.15	539.01	1645.86
10TH FLOOR	552.70	554.15	539.01	1645.86
11TH FLOOR	552.70	554.15	539.01	1645.86
12TH FLOOR	552.70	554.15	539.01	1645.86
13TH FLOOR	549.14	528.30	507.75	1585.19
TOTAL	7261.79	7251.89	7003.97	21867.95

3. CALCULATION:-	
67.00 SQ.MTS	
@ 10%	= 546.70 SQ.MT.
2	= 549.72 SQ.MT.
PLOT	= 549.72 SQ.MT.
D NOTES:- (COMM.)	
SHOPS = 21667.95 SQ.MT.	
MARGINAL OPEN SPACE	
= 67.65 X 2 / 100 / 89 = 54.67 NO.	
OF CAPACITY 80.0 LITRE	
R = 80.0 I/T.	
55 NO	
55 NO. FOR COMM.	

FLOOR AREA TABLE				(IN SQ.MT.)
BLOCK	A	B	C	TOTAL
GROUND (S. P.)	451.42	73.38	65.43	590.23
1ST FLOOR	551.83	554.56	591.68	1598.07
2ND FLOOR	552.70	554.15	539.01	1645.86
3RD FLOOR	552.70	554.15	539.01	1645.86
4TH FLOOR	552.70	554.15	539.01	1645.86
5TH FLOOR	552.70	554.15	539.01	1645.86
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13TH FLOOR	549.14	528.30	507.75	1585.19

DREAMLAND INFRATECH PVT. LTD. <i>Sd/-</i> July 4 Director	
OWNER:-	<i>apthakus</i> Shanghi & Associates Consultants Pvt. Ltd. CHANDANKUMAR R. THAKUR

ENGINEER: STR. ENGINEER:

SAVALIYA PROCO
(Shree Sahasrabal Kumbhal Sahasrabal & Partners)
(Dev-400070620)
701, Aston Park,
Opp. Raju Republic Iscon Center
S. G. Highway, Ahmedabad-380015

C.O.W.: **DEVELOPER**

RESPONSIBILITY OF THE ARCHITECT
1. THE ARCHITECT, OWNER AND ACCEPTANCE OF ANY STATEMENT, APPROVAL, OR REGISTRATION, ANY PERSON UNDERTAKING ANY WORK, CONTRACT, OR BUILDING COMPLETION CERTIFICATE SHALL NOT EXCHANGE THE OWNER, ENGINEER, ARCHITECT, CLERK OR WORKSHEET SUPERVISOR, STRUCTURAL DESIGNER, DEVELOPER, OWNER FROM THEIR RESPECTIVE RESPONSIBILITIES INCURRED UNDER THE ACT, THE DEVELOPMENT CONTROL REGULATIONS AND THE LAWS OF THE STATE AND LOCAL ACTS.
2. NOTWITHSTANDING ANY DEVELOPMENT PERMISSION GRANTED UNDER THE ACT, THE RULES AND REGULATIONS, ANY PERSON UNDERTAKING ANY DEVELOPMENT WORK SHALL BE RESPONSIBLE FOR ANY DAMAGE OR LOSS WHATSOEVER THAT MAY BE LIABLE FOR ANY INJURY OR DAMAGE OR LOSS WHATSOEVER THAT MAY BE INCURRED BY ANY PERSON UNDERTAKING ANY DEVELOPMENT WORK UNDER THE CONSTRUCTION AND NO LIABILITY WHATSOEVER IN THIS REGARD SHALL BE ON THE C&S T&C AUTHORITY.

Ahmedabad Municipal Corporation

Case No. : B/INT/NU/202916/GUDR/1740/R01/1
Zone: **NEW WEST**

Plan Approved as per terms and condition mentioned in the Instrumentation Certificate No. 1
Raja Chitishi Number : 997202916/1740/R01/1

Date: **02.02.2018**

Asst. T.O. Asst. E.O.
(Civils Center) (Civils Center)

CHATTANYA J. SHAM
Dy. I.O. NEW WEST

Dt. Shafiqul Alam
(NEW WEST)