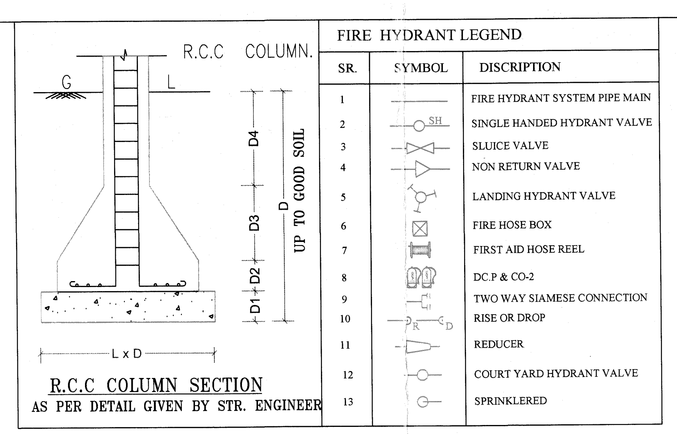


R.C.C COLUMN SECTION
AS PER DETAIL GIVEN BY STR. ENGINEER

FIRE HYDRANT LEGEND

SR.	SYMBOL	DISCRIPTION
1		FIRE HYDRANT SYSTEM PIPE MAIN
2	SH	SINGLE HANDED HYDRANT VALVE
3		SLUICE VALVE
4		NON RETURN VALVE
5		LANDING HYDRANT VALVE
6		FIRE HOSE BOX
7		FIRST AID HOSE REEL
8		DC.P & CO-2
9		TWO WAY SIAMESE CONNECTION
10		RISE OR DROP
11		REDUCER
12		COURT YARD HYDRANT VALVE
13		SPRINKLERED

UNIT BUILT-UP AREA & F.S.I. AREA

BLOCK :- A

COMMERCIAL				
FLOOR	UNIT NO.	UNIT BUILT-UP AREA	TOATL F.S.I.	
GR. FLOOR	01	33.13	157.55	
	02	30.08		
	03	31.23		
	04	30.08		
	05	33.13		
TOTAL			157.55	

UNITS CALCULATION

FLOOR	USE	EQUITY TENA.			
BLOCK		A		TOTAL	
		COMM.	RESI.	COM.	RESI.
GROUND (H. P.)	PARK.	--	--	--	--
GROUND (S. P.)	SHOP	05	--	05	--
1ST FLOOR	RESI	--	04	--	04
2ND FLOOR	RESI	--	04	--	04
3RD FLOOR	RESI	--	04	--	04
4TH FLOOR	RESI	--	04	--	04
5TH FLOOR	RESI	--	04	--	04
6TH FLOOR	RESI	--	04	--	04
7TH FLOOR	RESI	--	04	--	04
TOTAL	SHOP/RESI	05	28	05	28

PROP. B. AREA CALC. TYPICAL FLOOR:- (GROUND FLOOR)

(1) 16.57 X 29.11 X 1 = 482.35 SQ.MT.

LESS :-
(1) 3.6 X 3.80 X 1 = 12.01
(2) 5.42 X 3.15 X 1 = 15.81
(3) 2.72 X 3.15 X 1 = 08.57

TOTAL = 36.39 SQ.MT.

NET B.A. TYPICAL FLOOR = GROUND FLOOR = 445.96 SQ.MT.

PROP. B.A/F.S.I. AREA CALC.ON GR.FL.COMM.:-
(1) 03.54 X 02.33 X 1 = 08.25 SQ.MT.
(2) 16.57 X 09.52 X 1 = 157.75 SQ.MT.

TOTAL = 166.00 SQ.MT.

NET B.A(F.S.I.)REA ON SOLID PLINTH (GROUND FL(OR COMM.) = 166.00 SQ.MT.

PROP. B. AREA CALC. HOLLOW PLINTH :- GROUND F.(OOR. GROUND (S.P.)
445.96 - 166.00 = 279.96 SQ.MT.

PROP. B. AREA CALC. TYPICAL FLOOR:- (1ST FL. TO 7TH FL.)

(1) 16.57 X 29.11 X 1 = 482.35 SQ.MT.

LESS :-
(1) 3.16 X 3.80 X 2 = 24.02
(2) 3.02 X 3.15 X 1 = 15.81
(3) 2.72 X 3.15 X 1 = 08.57

TOTAL = 48.40 SQ.MT.

NET B.A. TYPICAL FLOOR (1ST FL. TO 7TH FL.) = 433.95 SQ.MT.

PROP. F.S.I. AREA CALC. ON TYPICAL FLOOR (1ST FL. TO 7TH FL.)

NET B.A. ON 1ST FLOOR = 433.95 SQ.MT.

LESS :-
(A) 4.13 X 3.15 X 1 = 13.10 (STAIR)
(B) 2.86 X 5.80 X 1 = 16.85 (FOYER)
(C) 1.83 X 3.15 X 1 = 05.77 (LIFT)

TOTAL = 35.72 SQ. MT.

NET F.S.I.AREA ON (1ST FL. TO 7TH FL.) = 398.23 SQ.MTS.

PROP. B. AREA CALC. ON STAIR CABIN:-
(1) 3.61 X 8.83 X 1 = 31.87
(2) 4.00 X 1.00 X 1 = 04.00

TOTAL = 35.87 SQ.MT.

NET B.AREA ON STAIR CABIN = 35.87 SQ.MT.

PROP. B. AREA CALC. :- LIFT M. ROOM & O.H.W.T.
(1) 3.19 X 3.61 X 1 = 11.52
(2) 4.13 X 3.61 X 1 = 14.91

TOTAL = 26.43 SQ.MT.

NET B.AREA ON LIFT M. ROOM & O.H.W.T. = 26.43 SQ.MT.

BLOCK:-A

SHOP UNIT BUILT-UP AREA CALCULATION

(GROUND FLOOR)

SHOP NO. 1, 5
(1) 3.48 X 9.52 = 33.13
NET BUILT-UP AREA = 33.13

SHOP NO. 2,4
(1) 3.16 X 9.52 = 30.08
NET BUILT-UP AREA = 30.08

SHOP NO. 3
(1) 3.28 X 9.52 = 31.23
NET BUILT-UP AREA = 31.23

SANITARY BLOCK
(1) 3.54 X 2.33 = 08.25
NET BUILT-UP AREA = 08.25

BLOCK:-A

CARPET AREA (RERA) CALC.:- (GROUND FLOOR)

SHOP NO. 1,5
(1) 3.31 X 9.29 = 30.75
NET BUILT-UP AREA = 30.75

SHOP NO. 2,4
(1) 3.05 X 9.29 = 28.34
NET BUILT-UP AREA = 28.34

SHOP NO. 1
(1) 3.16 X 9.29 = 29.36
NET BUILT-UP AREA = 29.36

SANITARY BLOCK
(1) 3.31 X 2.22 = 07.35
NET BUILT-UP AREA = 07.35

BLOCK :- A

UNIT BUILT-UP AREA CALCULATION

FLAT NO. 101,201,301,401,501,601,701
FLAT NO. 102,202,302,402,502,602,702
FLAT NO. 103,203,303,403,503,603,703
FLAT NO. 104,204,304,404,504,604,704.

(1) 6.85 X 1.37 = 09.39
(2) 1.58 X 7.81 = 12.34
(3) 6.70 X 11.61 = 77.79

NET BUILT-UP AREA = 99.52

BLOCK :- A

CARPET AREA (RERA) CALC.:-

FLAT NO. 101,201,301,401,501,601,701
FLAT NO. 102,202,302,402,502,602,702
FLAT NO. 103,203,303,403,503,603,703
FLAT NO. 104,204,304,404,504,604,704.

(1) 5.54 X 3.35 = 18.56
(2) 1.49 X 1.98 = 02.95
(3) 8.11 X 3.16 = 25.63
(4) 6.47 X 2.44 = 15.77
(5) 3.05 X 2.87 = 08.75
(6) 3.42 X 3.80 = 13.00

NET CARPET AREA = 84.66
BALCONY 1.09 X 3.35 = 3.65
3.05 X 0.93 = 2.84
WASH 1.53 X 2.33 = 3.57
TOTAL WASH & BALC = 10.06

UNIT BUILT-UP AREA & F.S.I. AREA & CARPET AREA (RERA) TABLE

RESIDENCE

FLOOR	UNIT NO.	UNIT BUILT-UP AREA	CARPET AREA (RERA)	WASH & BALC AREA (RERA)	COMMON DUCT AREA (RERA)
BLOCK :- A					
1ST FLOOR	101	99.52	84.66	10.06	
	102	99.52	84.66	10.06	
	103	99.52	84.66	10.06	
	104	99.52	84.66	10.06	
2ND FLOOR	201	99.52	84.66	10.06	
	202	99.52	84.66	10.06	
	203	99.52	84.66	10.06	
	204	99.52	84.66	10.06	
3RD FLOOR	301	99.52	84.66	10.06	
	302	99.52	84.66	10.06	
	303	99.52	84.66	10.06	
	304	99.52	84.66	10.06	
4TH FLOOR	401	99.52	84.66	10.06	
	402	99.52	84.66	10.06	
	403	99.52	84.66	10.06	
	404	99.52	84.66	10.06	
5TH FLOOR	501	99.52	84.66	10.06	
	502	99.52	84.66	10.06	
	503	99.52	84.66	10.06	
	504	99.52	84.66	10.06	
6TH FLOOR	601	99.52	84.66	10.06	
	602	99.52	84.66	10.06	
	603	99.52	84.66	10.06	
	604	99.52	84.66	10.06	
7TH FLOOR	701	99.52	84.66	10.06	
	702	99.52	84.66	10.06	
	703	99.52	84.66	10.06	
	704	99.52	84.66	10.06	

BLOCK :- A

SHEET NO :- 2/9

PLAN SHOWING PROPOSED RESI. + COMMERCIAL BUILDING ON F.P. NO. 11 , SUR. NO. 161, S.P.NO.-(1+2+3)/1 OF,DRAFT SECTIONED, T.P.S. NO. :- 112(ODHAV), AT : ODHAV , TA : VATVA, DIST:AHMEDABAD. (OVERLAY ZONE RAH) (OUT SIDE RING ROAD)

SCALE :- 1.00 CM = 1.00 MT.

BLOCK :- A

ZONE : RESIDENTIAL - 1

USE : RESIDENCE+COMM.

B.AREA TABLE

		SQ. MTS.
PROP. B.AREA ON GROUND FL.(HOLLOW PLINTH)	=	279.96 SQ. MTS.
PROP. B.AREA ON GROUND FL.(SOLID PLINTH)	=	166.00 SQ. MTS.
PROP. B.AREA ON 1 ST.FLOOR	=	433.95 SQ. MTS.
PROP. B.AREA ON 2 ND.FLOOR	=	433.95 SQ. MTS.
PROP. B.AREA ON 3 RD.FLOOR	=	433.95 SQ. MTS.
PROP. B.AREA ON 4 TH.FLOOR	=	433.95 SQ. MTS.
PROP. B.AREA ON 5 TH.FLOOR	=	433.95 SQ. MTS.
PROP. B.AREA ON 6 TH.FLOOR	=	433.95 SQ. MTS.
PROP. B.AREA ON 7 TH.FLOOR	=	433.95 SQ. MTS.
PROP. B.AREA ON STAIR CABIN	=	35.87 SQ. MTS.
PROP. B.AREA ON LIFT RM.	=	26.43 SQ. MTS.
PROP. B.AREA TOTAL	=	3545.91 SQ. MTS.

F.S.I. AREA TABLE

		SQ. MTS.
F.S.I. ON GROUND FL.(SOLID PLINTH)	=	166.00 SQ. MTS.
F.S.I. ON 1 ST.FLOOR	=	398.23 SQ. MTS.
F.S.I. ON 2 ND.FLOOR	=	398.23 SQ. MTS.
F.S.I. ON 3 RD.FLOOR	=	398.23 SQ. MTS.
F.S.I. ON 4 TH.FLOOR	=	398.23 SQ. MTS.
F.S.I. ON 5 TH.FLOOR	=	398.23 SQ. MTS.
F.S.I. ON 6 TH.FLOOR	=	398.23 SQ. MTS.
F.S.I. ON 7 TH.FLOOR	=	398.23 SQ. MTS.
TOTAL F.S.I. AREA	=	2953.61 SQ. MTS.

SCHEDULE OF DOOR & WINDOW

ALL WINDOW PROTECTED BY SAFTY GRILL

DOOR	WINDOW / VENT
D = 1.07 X 2.13	W = 1.83 X 1.71
D1 = 0.92 X 2.13	W1 = 1.22 X 1.06
D2 = 0.76 X 2.13	W2 = 3.23 X 2.13
D3 = 0.68 X 2.13	W3 = 0.61 X 0.61
	V = 0.61 X 0.61
	G = OPEN GAP

R.C.C. STAIR DETAILS

WIDTH	:-	1.50 MT.
TREAD	:-	0.25 MT.
RISER	:-	0.17 MT.
GAP BETWEEN BALUSTER :-	:-	0.15 MT.

COLOUR NOTE :-

PROP. WORK
PROP. DRAINAGE
CHARGEABLE F.S.I.

RERA CALCULATION COLOUR NOTE:-

WASH & BALCONY
NET CARPET AREA LINE (RERA)
EXTERNAL BOUNDARY LINE

LIFT DETAIL

MINIMUM CAPACITY 6 PERSONS.
DOOR MINMUM WIDTH 0.90 MTS.
1.00 MTS. HEIGHT OF HANDRAIL IN LIFT CAR.

FOR, SHREE JI DEVELOPERS
PARTNER

OWNER:-

KIRAN N. PATEL
111,Platinum Plaza,Nikol,A'bad.
AMC LIC No: EB0748280420R1
AMC LIC No: CW0520100422R1
AMC LIC No: SD0455260120

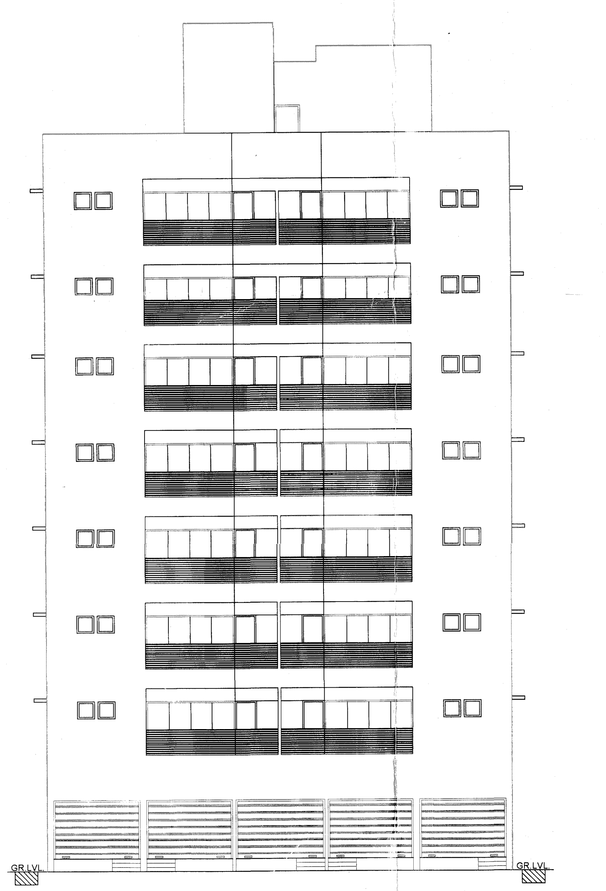
ENGINEER/COW:-

Shreedhar Corporation
AMC DEV. LIC. No. E0203421
Partner, Gandhambhai P Vaghasiya
Pooja Fare, Nikol, Ahmedabad.

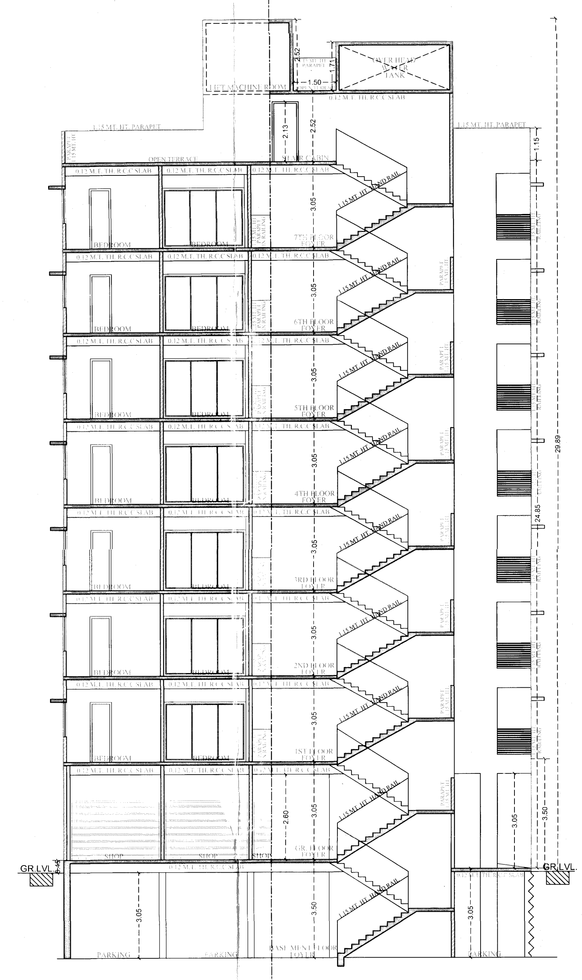
DEVLOPER:-

VIREN D. PAREKH
STRUCTURAL DESIGNER
LIC No. S01-STRUCTURAL
A/2, Ishwar Arcade,
Nr. Manal Cross Road,
Above Kumkum Plaza,
Vastrapur, Ahmedabad-380 015.

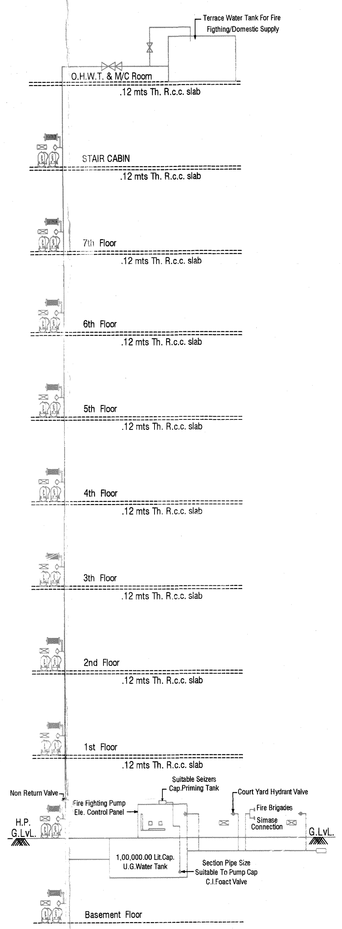
STR. ENGINEER:-

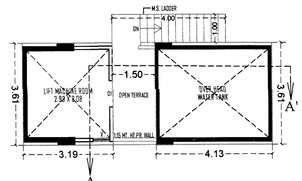


FRONT ELEVATION

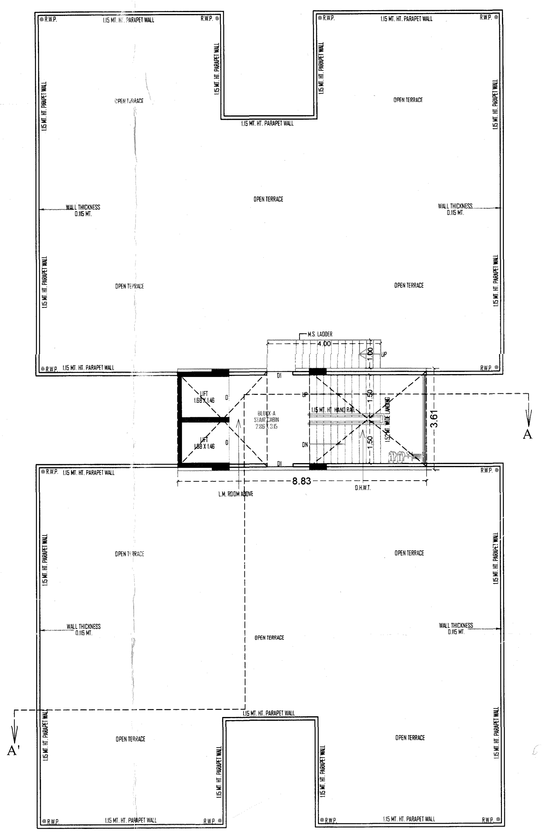


SECTION "A-A"

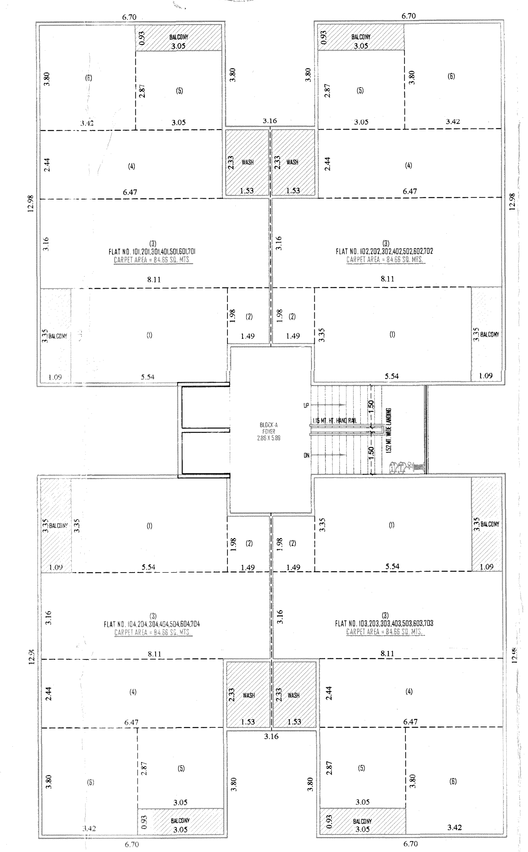




LIFT MACHINE ROOM & O.H.W.T PLAN
OPEN TERRACE



OPEN TERRACE PLAN (STAIR CABIN, LIFT MACH ROOM&O.H.W.T.)
NOTE :- ALL OUTER & INTERNAL WALL ARE OF 0.115 MT. TH. B/K WALL



CARPET AREA (RERA) & BALCONY AREA (RERA) CALCULATION 1ST TO 7TH FLOOR PLAN
NOTE :- ALL OUTER & INTERNAL WALL ARE OF 0.115 MT. TH. B/K WALL

GENERAL NOTES :-

- Engineer is fully responsible for leaving open space and margin.
- The depth and position of existing municipal manhole is verified by on site and premises, cost of drainage connection.
- It is certify that according to CGDCR 2017 all all requirements of the building are checked and necessary actions are taken.
- It is certify that according to the clause no. 43.3 of the C.G.D.C.R 2017, the structure of the building is designed per the norms of the Indian standards.
- Design of electrical and lighting is provided as per the provision of the clause no. 23.1.12 and 23.14.9 of C.G.D.C.R 2017.
- Parking area space is provided as per the provision of the clause no. 23.1.5 of CGDCR 2017.
- Lift is provided as per the provision of the clause no. 23.2 and 24.7 of CGDCR 2017.
- Water supply is provided as per the provision of the clause no. 23.8 of CGDCR 2017.
- Separate water line is provided at ground level for each unit.
- Water meter for the safety requirement provided as per the clause no. 24 of CGDCR 2017.
- Electrical meter room shall be provided as per clause no. 23.14.
- Drainage system is provided as per the clause no. 23.10.
- Signage and lighting plans is to be provided as per the clause no. 23.7 of the CGDCR 2017.
- Entrance of the building is provided as per the clause no. 23.4.7 of CGDCR 2017.
- The heighting of building unit/floor plot as per the provision above no. 23.1.4 of CGDCR 2017.
- The structure of the building is as per the norms of the specified in the Indian standard and take necessary action for the structural safety during the construction.
- Rain water storage tank and rain water harvesting system is provided as per the clause no. 27.2 of CGDCR 2017.
- Ventilation is provided as per the provision of the clause no. 23.5 of CGDCR 2017.
- Toilet ventilation is provided as per the clause no. 23.5 of CGDCR 2017.
- Fire safety system is provided as per chapter [illegible]
- Maintenance and upgradation of building is as per chapter no. 29 of CGDCR 2017.

1. HYDRANT SYSTEM:
ON/OFF valves located near the hose reel hose or below in a box at each floor the rain FirePump at the underground water tank with a capacity to discharge 900 litres per minute at 3 bar pressure as measured at the hose level should be installed.
The Fire Pump should be capable of lifting water above 10 metres height and not be of less than 100 mm internal diameter. The riser should be come out to the bottom of the terrace tank with a drip valve and a WPD to act as a Foot Valve.
One hose in each 6 for every 1000sq. metres floor area and the hose reel should be of 30 metres long and 25 mm diameter with a rotomatic nozzle and all the fittings at the hose. Set first should have one hydrant outlet with a coupling for attaching 4.5 mm dia hose 2.25 mm long Hose Reel hose with 6 mm SS Shell/Nozzle insert floor landing. The length of the hose reel hose should be enough to reach the farthest point of a floor. Hose box with 3 meters long 25mm dia hose and 12 mm dia nozzle at alternate floors. The hose reel hose should be of 30 meters long.
Fire service inlet in addition to the installed equipment has to be provided in the premises where a fire service vehicle can approach easily.
A permanent hydrant (with pedestal) of 63 mm dia or Siuse of hydrant valve should be in behalf of the terrace level.
The Underground Water Tank capacity should be done at the terrace level. The Overhead tank shall be of a capacity of not less than 20,000 litres. The Underground tank i. ade of more than 1,00,000 litres.

2. FIRE ALARM:
Fire alarm call point is to be installed at each floor with structure capable of being heard throughout the building.

3. FIRE EXTIND/ SAFEM
One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. with 55 mark and one extinguisher of Dry Chemical Powder (DCP) type extinguisher with 05 mark to be installed in each floor in case of commercial building.
One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. with 55 mark. Of Two Carbon Dioxide (CO2) type extinguisher of 2 kg. with 34 mark capacity in alternate floors in case of residential building.
If the building is divided into two or more units then each unit should have have extinguisher in each.

4. STAIRCASE :-
The staircase has to be open from at least one or two sides but the staircase is the centre one of the voids has to be prevented to prevent from getting smoke logged. The Riser Riser's not should be located in the staircase or cause to the have a easy approachable in a of fire from the floor below or above.

5. BASEMENT :
The basement of 1. Sq. meters or more should be protected with Automatic Sprinkler system with at least one sprinkler head for every 20 sq. meters.
Additionally be provided a hydrant outlet and two 25 mm bore Hose reel hoses with 6 mm bore nozzle at each basement level.

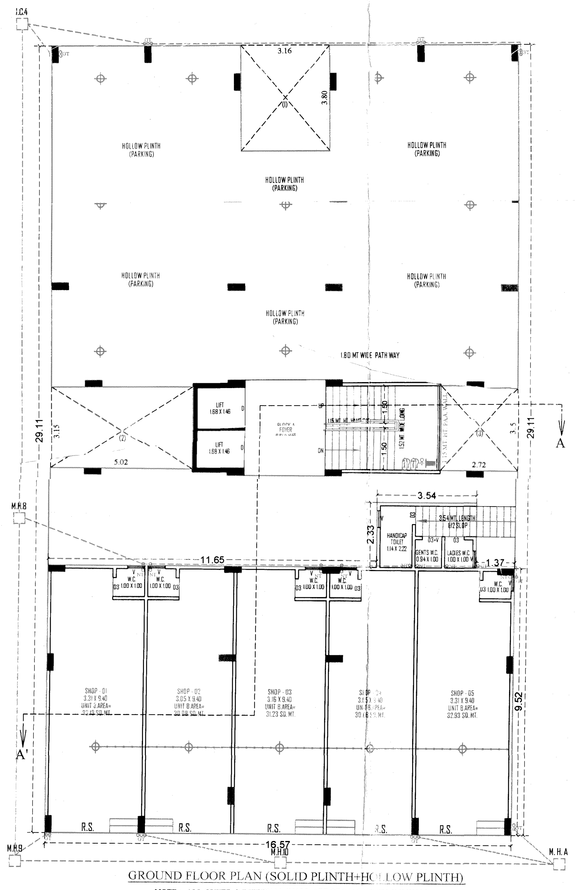
6. LIGHTENING ARRESTER :
A lightening arrester of adequate size is to be installed and be properly earthed to prevent damage to the building who the lightening strikes.

7. PROTECTIVE SAFETY WITH BUILDING DAMAGES :
If the building form a conditional area or if there or enclosed staircase or a not well lit up on the or side, then adequate size illuminated Lamp, Exit signages should be displayed at each floor landing (lathing) backed along all exit route leading to the ground level. The signage should be backed by lighting. The safety equipment present on the exit route floor landing (lathing) backed and along all exit route leading to the ground level.

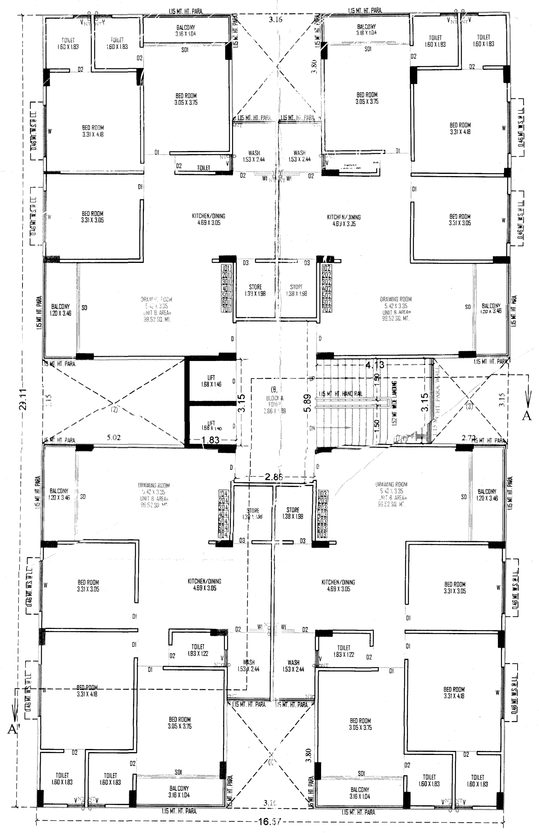
8. ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE SAFETY SYSTEM
Electric supply to the fire pump, fire alarm system, staircase pressurization system and the lift should be made available from the main Electrical supply (A Main Electrical supply of the company) The is ensure availability of Main Electrical supply to the protection & Safety system even after the main electrical supply is switched off at the level of the office.

9. MOVEMENT FIRE SAFETY SYSTEM
FIRE SAFETY SYSTEM SHOULD BE PROVIDED IN DIVIDUAL SHOW ROOM BY OWNER

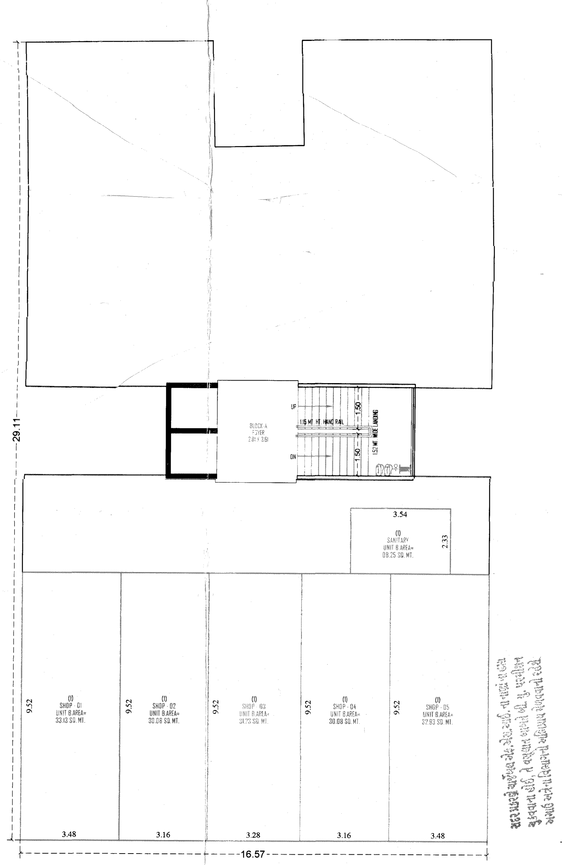
IMPORTANT INSTRUCTIONS:
After inspection the service building by the fire service authority if the fire officer concerned feels it need for additional the prevention/protection measures / ventilation system/equipment's i.e. Passive system / Suppression system / Fire door / Window / Detection system / Alarm / Sprinkler / Detector etc.) as the Fire Check / Public gathering / Potential / Occupancy Combustible / Inflammable materials / equipment have to be implemented / installed.



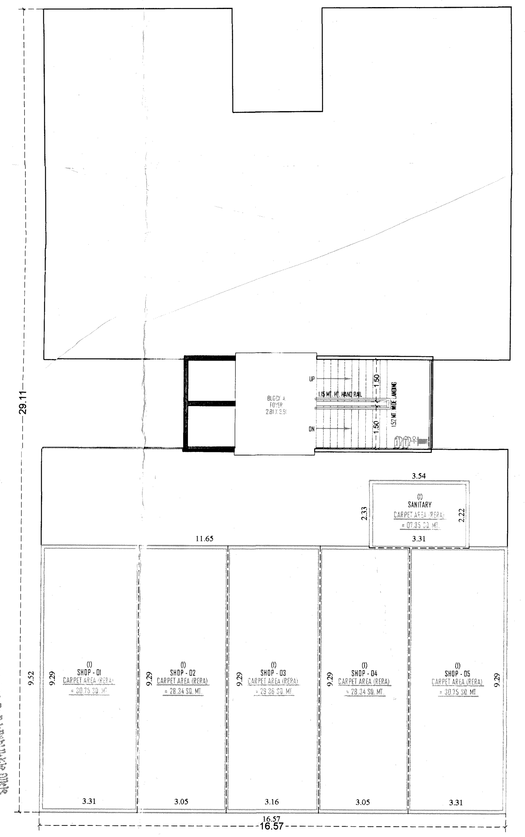
GROUND FLOOR PLAN (SOLID PLINTH+HOLLOW PLINTH)
NOTE :- ALL OUTER & INTERNAL WALL ARE OF 0.115 MT. TH. B/K WALL



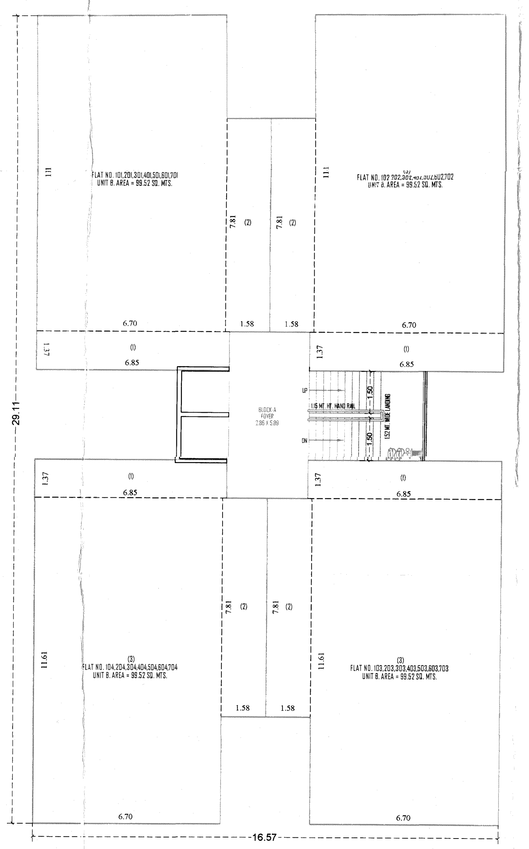
1ST FLOOR TO 7TH FLOOR PLAN
NOTE :- ALL OUTER & INTERNAL WALL ARE OF 0.115 MT. TH. B/K WALL



UNIT BUILT-UP AREA CALCULATION GROUND FLOOR PLAN (BLOCK - A)



CARPET AREA (RERA) CALCULATION GROUND FLOOR PLAN
NOTE :- ALL OUTER & INTERNAL WALL ARE OF 0.115 MT. TH. B/K WALL



UNIT BUILT-UP AREA CALCULATION 1ST FLOOR TO 7TH FLOOR PLAN (BLOCK - A)

RESPONSIBILITY IS ON ARCHITECT AND PROPERTY OWNER. THE ARCHITECT IS NOT RESPONSIBLE FOR ANY STATEMENT, DOCUMENTS, SERVICE(S), REPORT, STRUCTURAL DRAWING, PROGRESS CERTIFICATE OR BUILDING COMPLETION CERTIFICATE SHALL NOT ENTITLE THE PROPERTY OWNER, DEVELOPER, PARTNER, ARCHITECT, SUPERVISOR, STRUCTURAL DESIGNER, DEVELOPER, OWNER FROM THEIR RESPONSIBILITIES, IMPOSED UNDER THE ACT, THE DEVELOPMENT CONTROL REGULATIONS AND THE LAWS OF TORT AND LEGAL ACTS.
LIABILITY U.O.D.C.R 18(1) E.G. 23.1.2
THE PERMISSION GRANTED UNDER THE PERMISSION GRANTED UNDER THE ACT AND THESE REGULATIONS, ANY PERSON UNDERTAKING ANY DEVELOPMENT WORK SHALL CONTINUE TO BE WHOLLY AND SOLELY LIABLE AND RESPONSIBLE FOR ALL THE WORK TO BE CARRIED OUT ON THE SITE AND TO ANY ONE OR 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. : BLNTWZ/0003/18/CGDCR/A0731R0/M1 Zone: EAST

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

Raja Chitthi Number : 0057/0003/18/A0731R0/M1

Date : 20/06/2021

Sub Inspector (Civic Center) | Asst. T.D.O.Asst. E.O. (Civic Center) | R.K. Tadvi Dy T.D.O. EAST | J.S. PRAJAPATI Dy MC EAST

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