

The diagram illustrates the cross-section of an R.C.C. column. The column has a square cross-section with side length D . The total height of the column is D . The column is divided into three vertical sections: a top section of height $D/4$, a middle section of height $D/2$, and a bottom section of height $D/4$. The column is labeled "R.C.C. COLUMN". The top section is labeled "G" and "L". The middle section is labeled "UP TO GOOD SOIL". The bottom section is labeled "D/4". The column is shown with reinforcement bars (RCC) and is labeled "R.C.C. COLUMN SECTION". The column is shown with reinforcement bars (RCC) and is labeled "R.C.C. COLUMN SECTION".

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

DUST-BIN PROVIDED NOTES:-~~(RESI.)~~

1 NOS. OF COMMUNITY BIN EACH OF 10 LITRES CAP.
SHALL BE PROVIDED IN MARGINAL OPEN SPACE.
PROVIDED = 1 UNITS /BIN x NO. LITRES CAPACITY
REQUIRED = 25 UNITS X 10 LITRES = 250 LITRES REQD
AVAILABLE CONTR = C 8 + 8 BUTTES CAPACITY
X 10 = 260 LITRES

DUST-BIN PROVIDE NOTES:-~~(COMM.)~~

TOTAL FLOOR AREA FOR SHOP : (776.98+372.1N) = 649.18 SQ.MT
SHALL BE PROVIDED IN MARGINAL OPEN SPACE.
CONTAINER REQD = 649.18 X 20 /100 = 12.98 NOS.
SAY 2 NO. OF CONTAINER OF CAPACITY 80 LITRE
CAP. OF CONTAINER = 80 X 10 LIT.
PROVIDED CONTR = 2 NO
TOTAL C.BIN PROVIDED = 4 NO FOR RESH + 2 NO. FOR COMM.
= 6 NO.OF 80 LT.CAPACITY

TREE PLANTATION

PLOT AREA - 1077.79 SQ. MTS.

200 SQ. MTS. / 3 TREE

1077.79 SQ. MTS. / 16.17 TREE SAY 17 NO.TREES

PROVIL. 17 NO. TREES

REQ. PERCOLATING WELL

500 TO 1500 SQ. MTS.

1 PERCOLATING WELL

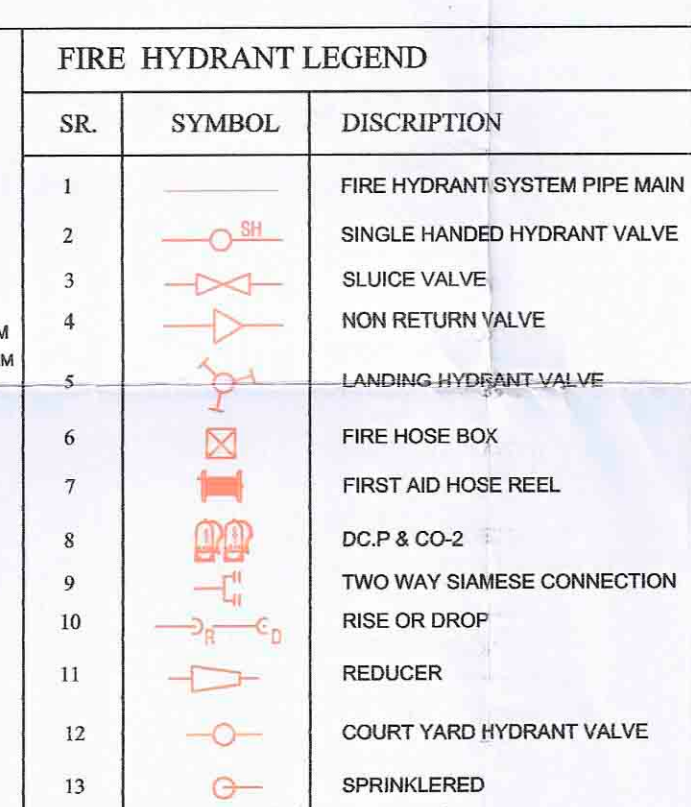
PLOT AREA = 1077.79 / 1500.00 SQ. MTS.

= 0.72 NO. REQ. SAY 1 NOS.

PROVIL. 1 NOS PERCOLATING WELL

F.S.I. AREA TABLE		BLOCK (SQ. MTS.)		
PLOT AREA OF S.P.NO. 65+66(C.S.NO.-7559,7560,7561) 1122.00				
FLOOR	PERMI. F.S.I. 1.8	REGULAR CHARGEABLE F.S.I. 0.90	HIGHER F.S.I.AREA TOZ 1.30	TOTAL
	2019.60	1009.80	1458.60	
GROUND (S.P.)	276.99	-----	-----	276.99
1 ST FLOOR	479.38	-----	-----	479.38
2 ND FLOOR	491.99	-----	-----	491.99
3 RD FLOOR	491.99	-----	-----	491.99
4 TH FLOOR	279.25	212.74	-----	491.99
5 TH FLOOR	-----	491.99	-----	491.99
6 TH FLOOR	-----	305.07	186.92	491.99
7 TH FLOOR	-----	-----	491.99	491.99
TOTAL F.S.I. AREA	2019.60	1009.80	678.91	3708.31

LAY-OUT PLAN SHOWING PROPOSED		SHEET NO.:- 1/4
RESIDENCE+COMM. BUILDING ON		
S.P.NO: 65+66 (C.S.NO:7559,7559/7560,7561) / S.P.NO: 147/5 ;		
T.P.S.N.C.: 4, (MANIPUR 2nd varried final) , AT- RAJUPUR - HIRPUR, TALUKA:- CITY(EAST) , DIST - AHMEDABAD		
ZONE :- R-I & OVERLAY ZONE (TOZ-BRTS)		USE :- RESI+COMM
LAY OUT	SCALE:- 1-C.M. = 2 MTS.	
AREA TABLE	SQ. MTS.	
PLOT AREA OF S.P. NO. 65+66	= 1122.00 SQ. MTS.	
AREA GOING IN ROAD LINE	= 44.21 SQ. MTS.	
NET PLOT AREA OF S.P. NO. 65+66	= 1077.79 SQ. MTS.	
PROP. BUILT UP AREA ON GROUND FL.	= 548.83 SQ. MTS.	
OPEN PLOT AREA	= 529.16 SQ. MTS.	
F.S.I. AREA TABLE	SQ. MTS.	
PLOT AREA OF S.P. NO. 65+66	= 1122.00 SQ. MTS.	
PERMI.F.S.I AREA 1:1.8	= 2019.60 SQ. MTS.	
TOTAL UTILISED F.S.I. AREA	= 3708.31 SQ. MTS.	
PAYMENT F.S.I. AREA TABLE		SQ. MTS.
PLOT AREA OF S.P. NO. 65+66	= 1122.00 SQ. MTS.	
PERMI.F.S.I AREA 1:1.8 OF 1122.00	2019.60 SQ. MTS.	
RESID. REGI. CHARGE OF S.I. 0.50 OF 1122.00	1099.80 SQ. MTS.	
PERMI. HIGHER F.S.I. 1.3 OF 1122.00 (AS PER TOZ)	1458.60 SQ. MTS.	
TOTAL PERMI.F.S.I. AREA (base+charge+higher as per toz)	4488.00 SQ. MTS.	
TOTAL UTILISED F.S.I. AREA (base+charge+higher as per toz)	3708.31 SQ. MTS.	
EXTRA REQD PERMISSIBLE F.S.I. 7.69 (AS PER BASE TOZ)	706.69 SQ. MTS.	
EXTRA REQD. HIGHER USE F.S.I. 7.69 (AS PER BASE TOZ)	706.69 SQ. MTS.	
COLOUR NOTES:-		
F. P. BOUNDARY		ROAD 
PROP. WORK		P. WELL 
PROP. DRAIN-LINE		COM.BIN. 
COMMON PLOT		TREE 
HIGHER F.S.I. AS PER TOZ		BASEMENT LINE 
CONDITION FOR HIGHER F.S.I. wrt TO Z.:- * this permission is granted only for the base F.S.I. along with the additional chargeable F.S.I. available as per base zone under regulations; any higher F.S.I. (marked in purple colour hatch) in plot, if permissible as per T.O.Z., (transit oriented zone) is future shall only be granted by the competent authority after approval of local area plan by the government authority, after approval of local area plan by the government authority, after approval of local area plan by the government authority to the structural stability requirements and other relevant provisions of regulations prevailing at the time of permission.		



The Basic Requirements For Fire Protection Of High-Rise 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 900 liters per minute at 3 bar pressure as

The Riser for the buildings exceeding 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 valve 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 each 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 15 meters long 63mm dia. hose and 12.5 mm. bore nozzle at alternate floors. The hose reel hose should be coupled to the Ring.

The Overhead tank shall be of a capacity of not less than 20,000 litres.
The Underground tank shall be of a capacity of not less than 1,00,000 litres.

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 prevent 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

of 5kg. Dry Chemical Powder (DCP) ISI mark to be installed on floor in case of

Two Carbon Dioxide (Co2) type extinguisher of 2 kg. with ISI mark capacity on each floor and 5kg. 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.

5. STAIRCASE :

The staircase has to be

The Riser/Down-comer should be located in the staircase or close to it to make it easily

approachable in case of Fire from the floor bellow or above.

6. LIGHTNING ARRESTER :
A lightning arrester should also be installed and be properly earthed to prevent damage

to the building when the lightning s

7. ELECTRIC POWER SUPPLY FOR HYDRANT LINE

Entire electric supply for hydrant line will be provided separately by electric supply from co. supply

8. BASEMENT :

The basement of 20
system with at least

Additionally be protected by a Hydrant outlet and two 25 mm. bore Hose-reel hoses with 8 mm. bore nozzles at each basement level.



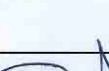
LAY - OUT PLAN
SCALE :- 1.00 CM. = 2.00 MT.

5015
No. C DI 15/10/15
TDO, BPSP, AMC

[illegible]

GENERAL NOTES :-

- * Engineer is fully responsible for leaving open space and margin.
- * The depth and position of existing municipal manholes is verified on site and premises can be drainage connection.
- * It is certify that according to gdp 2021 all that requirements of the building are checked and necessary actions are taken.
- * It is certify that according to the clause no. 4.5.3 of the gdp 2021, the structure of the building is design as per the norms of the indian standards
- * Design of staircase and railing is provided as per the provision of the clause no. 23.1,12 and 23.14 and 24.6 of g.d.c.r 2021
- * Pedestrian ramp is provided as per the provision of the clause no. 23.15 of g.d.c.r 2021
- * Lift is provided as per the provision of the clause no. 23.12 and 24.7 of g.d.c.r 2021
- * Water tank is provided as per the provision of the clause no. 23.6 of g.d.c.r 2021
- * Separate lavit room is provided at ground level for each unit.
- * Water tank for fire safety requirement provided as per chapter no. 24 of gdp 2021
- * Electrical infrastructure shall be provided as per clause no. 23.11
- * Drainage facility is provided as per the clause no. 23.10
- * Signages of the parking place to be provided as per the clause no. 23.7 of the gdp 2021.
- * Entrance of the building is provided as per the clause no. 23.17 of gdp 2021.
- * The jacking of building until/tilt plot as per the provision of the clause no. 23.14 of gdp 2021.
- * The structure of the building is as per the norms of the specified in the indian standard and takes 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. 22.2 of gdp 2021.
- * Community bin provided as per the provision of the clause no. 23.3 of gdp 2021.
- * Tree plantation is provided as per the clause no. 27.5 of gdp 2021.
- * Fire safety system is provided as per chapter no. 24 of gdp 2021.
- * Maintenance and upgradation of building is as per chapter no. 29 of gdp 2021.

For, ADITI Construction Co.  Partner	
OWNER:	
 J. A. SHAH Lic. No. EN S/ Shikharang Society Garhahavadi Takra Varanasi - Ahmedabad	 A. Y. CHHIPA B.E. (CIVIL) M.T.E. STRUCTURAL DESIGNER AWC LIC NO. SD 0007/11071682
ENGINEER:	7436, DADI BISHI MASJID MANZIL PRANIPUR BARGHAH, FAIKHAH, AHMEDABAD-4. STR. ENGINEER:

REN M. THAKKAR
C. E. Lic. No.: 1124190120 Dt. 20/01/2015
C. D-W Lic. No.: 1633190120 Dt. 20/01/2015
Karmam Avenue Opp. Surya City Flats,
Karmam, Maninagar, Ahmedabad-380008.

For, Aciti Construction Company

Developer
I/c. No. DEV 4242301920

C.O.W.:	DEVELOPER:
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RESPONSIBILITY UNDER C.R.C. 2017.1.01, § 3.4.4.4.4.4.
CERTIFICATE OF DRAWINGS AND ACCEPTANCE OF ANY STATEMENT
COMMENTS, STRUCTURAL REPORT, STRUCTURAL DRAWINGS, PROGRESS
REPORTS OR BUILDING PERMITS. THE OWNER SHALL NOT
DISCHARGE THE OWNER, ENGINEER, ARCHITECT, CLERK OF WORKS/BIDDING
SUPERVISOR, STRUCTURAL DESIGNER, DEVELOPER, OWNER FROM THEIR
RESPONSIBILITIES, IMPOSED UNDER THE ACT, THE DEVELOPMENT CONTROL,
REGULATIONS AND THE LAWS OF TOWN AND LOCAL ACTS.
LIABILITY (U.D.C. 2017.1.01, § 3.4.4).
NOTWITHSTANDING ANY DEVELOPMENT PERMISSION GRANTED UNDER THE
DEVELOPMENT WORK SHALL COME INTO BEING ANY PERSON UNDERTAKING ANY
OF THESE REGULATIONS OR LAWS OF TOWN AND LOCAL ACTS SHALL BE
HOLDABLE FOR ANY INJURY OR DAMAGE OR LOSS WHATSOEVER THAT MAY BE CAUSED
TO ANY ONE OR MORE AROUND THE CONSTRUCTION AND NO TO
ANYONE IN OR AROUND THE CONSTRUCTION SHALL BE CAST ON THE AUTHORITY

Case No. : BLN1572608/15/GDIA/4873/R0/M1
Plan Approved for terms and conditions in the
Commencement Certificate
Raja Chithi Number : 47302608/15/A4873/R0/M1
Date : 16/10/15
Sd/- Inspector (Civic Center)
Asst. T.D.O. (Asst. E.O. City Center)
R.K. Tadi T.D.O. South
C.R. Kharsan MC South