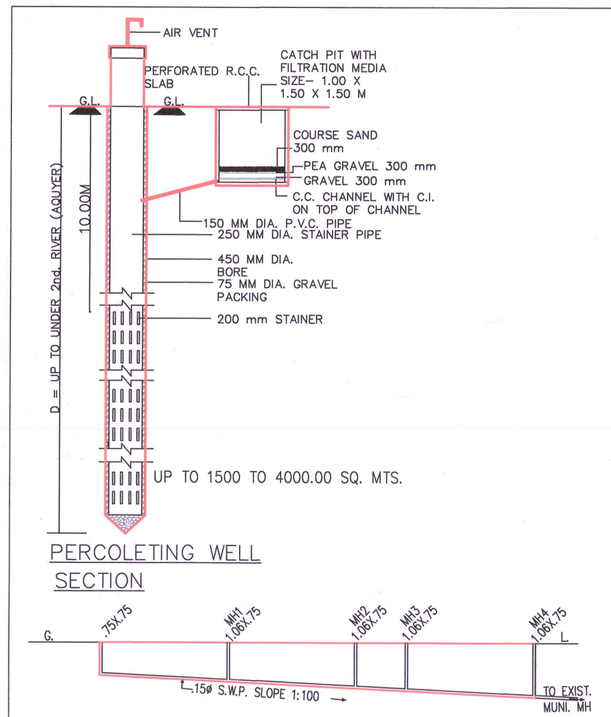
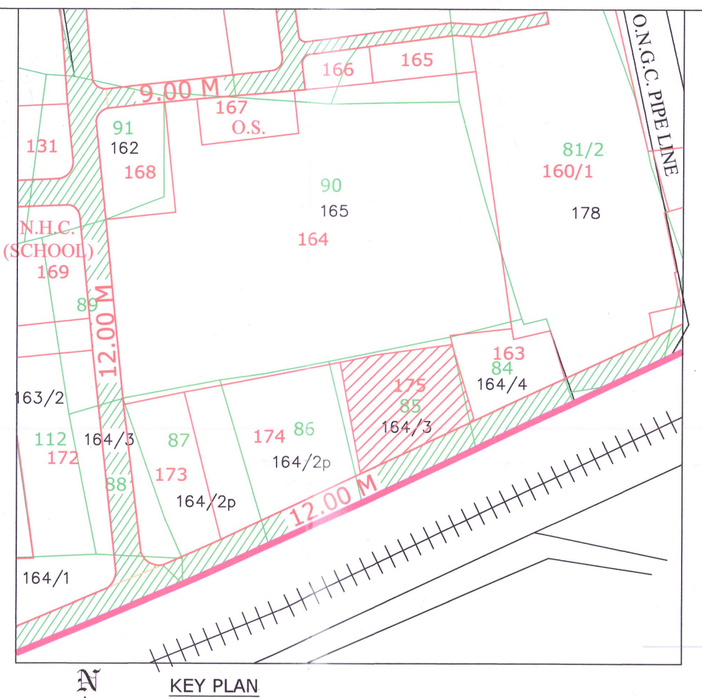


CUTTING	0.75		1.05	1.11	
INVERT LVL.	29.25		28.55	28.69	28.74
GROUND LVL.	30.00	29.10	29.60		29.90
DISTANCE	0.00	15.00	30.00	38.00	51.00

SCALE HOR. = 1 CM. = 5.00MT.
VERT. = 1 CM. = 1.00MT.
DRAINAGE SECTION



KEY PLAN

1. HYYDRANT SYSTEM:

ON/OFF switches locateD near the hose reel hose or hyDrant outlet, and 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 shouD be installeD.
The Riser for the builDings exceeDing 18 meters anD above 18 meters height shouD not be of less than 100 mm. internal Diameter. The riser shouD 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 shouD have a separate riser with all the fittings at floor level. Each floor shouD 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 shouD 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 shouD be coupleD to the Riser.
Fire-service inlet shouD 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 2nos of hyDrant valves shouD be installeD at the terrace level.
OverheaD tank Refilling bypass connection shouD 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 shouD have a provision to grounD automatically in case of electricity failure. Each builDing shouD have at least one lift as a Fire-Lift anD if the builDing is DiviDeD into two or more parts then each shouD have a Fire-Lift. Lift-well shouD 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 (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 on 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 shouD 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 shouD 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 shouD 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 shouD also be installeD anD be properly eartheD to prevent Damage to the builDing when the lightening strikes.

8. PHOTO LUMINESCENT (AUTO GLOW) SIGNAGES :

If the builDing falls in a conDineD 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 shouD be DisplayeD at each floor / lanDing / pathway / DeaD-enD along all exit routes leaDing to the grounD level. The signage shouD 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 supply to the fire pump, fire alarm system, staircase pressurization system anD fire lift shouD 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.INDIVIDUAL 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 IsaD / Firelok / Public gathering. Potential / Occupancy / ConfineD area, those aDDitional measures / equipment have to be implementeD / installeD.

R.C.C. COLUMN FOOTING

COMMON PLOT AREA CALC.

C.P.–1 (12.26+12.74)/2X29.51= 368.88 SQ.MTS.
C.P.–2 (10.91+9.81)/2X24.80 = 256.93 SQ.MTS.
TOTAL COMMON PLOT AREA= 625.81 SQ.MTS.

BLATI/NWZ/230614/GDR/A2213/RO/M1, DT. 17/01/2015
PRM/27/1/04/04/7653 , DT. 22/04/2004
BU/PERMISSION NO. CPM/1105/10/04 , DT. 05/02/2005
GRUDA CASE NO. IMP/5865/11/2004/000326 , DT. 10/01/2005
BLATI/NWZ/230614/GDR/A2213/RO/M1 , DT. 17/01/2015

PERCOLATING WELL

PLOT AREA = 2534.00 SQ.MT.
REQUIRED = 1500.00 TO 4000.00 = 1 P.W.
2534.00 / 4000 = 0.63 P.W.
SAY = 1 P.W.
PROVIDED = 1 P.W.

SCRUTINIZE COPY NO.:2341/Dt.:01/01/14ed. TDO, BPSP, AMC

15.50
ADJ. F.P. NO. 164
37.50
TWO WHEEL PARK. (5.72+5.42)/2X11.83= 65.89
CAR PARKING 20.81X10.66=221.83
P.H. PARK
1.20 MT. TRANSFER BAY
20.81
2.00 MT. DRIVEWAY
COMMON PLOT-2 256.93 SQ.MT.
BLAT/NWZ/230614/GDR/A2213/RO/M1
APPR. CASE NO.
BLOCK-B
GROUND FLOOR
1ST. FLOOR
2ND. FLOOR
3RD. FLOOR
4TH. FLOOR
5TH. FLOOR
6TH. FLOOR
LIFT
LIFT M/R
TWO WHEEL PARK. (6.87+8.53)/2X15.15=114.37
CAR PARK. (2.07+2.04)/2X9.74=20.05
VISITOR'S PARKING 12.19X4.30=52.29
2.00 MT. DRIVEWAY
12.16
12.06
14.69
6.87
6.53
3.07
5.55
10.12
9.74
22.64
6.64
3.10
3.00
4.50
10.66
53.50
ADJ. F.P. NO. 174
38.00
ADJ. F.P. NO. 163
RAILWAY BUILDING C.L.
BLOCK-B
BLOCK-A
SHOP-1
SHOP-2
SHOP-3
SHOP-4
TOILET
SHOP-5
SHOP-6
SHOP-7
SHOP-8
SHOP-9
SHOP-10
SHOP-11
SHOP-12
SHOP-13
SHOP-14
SHOP-15
SHOP-16
SHOP-17
SHOP-18
SHOP-19
SHOP-20
SHOP-21
SHOP-22
SHOP-23
SHOP-24
SHOP-25
SHOP-26
SHOP-27
SHOP-28
SHOP-29
SHOP-30
SHOP-31
SHOP-32
SHOP-33
SHOP-34
SHOP-35
SHOP-36
SHOP-37
SHOP-38
SHOP-39
SHOP-40
SHOP-41
SHOP-42
SHOP-43
SHOP-44