FAQ's

1. **What are the factors to be considered when selecting pipe materials?**

   The pipe materials must be:

   - Suitable for the expected temperatures and pressures
   - Compatible with the water supply, to minimize the potential for electrolytic corrosion
   - Suitable for the ground conditions to minimize the potential for corrosion of the exterior of the pipe
   - Suitable for local climate such as freezing conditions or atmospheric salt or Sulphur
   - Able to withstand UV effects

2. **What are the factors involved in the design of pipes based on fixture units?**

   The design of the consumers' pipes or the supply pipeto the fixtures is based on:

   a) The number and kind of fixtures installed;

   b) The fixture unit flow rate; and

   c) The probable simultaneous use of thesefixtures.

3. **What is probable simultaneous demand?**

   The possibility that all water supply taps in any systemin domestic and commercial use will draw water at thesame time is called probable simultaneous demand.Designing the watermains for the gross flow will result in bigger anduneconomical pipe mains and is not necessary, hence special allowances are made.

4. **What are the classification of plumbing fixtures?**

   Plumbing fixtures can be put into two or three different classifications; residential and some people lump commercial, industrial and institutional together. Residential fixtures are usually installed in facilities with attached sleeping quarters; private homes, condos, hotels and apartments to name a few. We can separate institutional from commercial and industrial because they have several features that are unique.

The types of facilities that institutional plumbing fixtures can be found are; hospitals, prisons, nursing homes etc.

5. **What are the various methods of distribution of water to a multi storied building??**

   There are four basic methods of distribution ofwater to a multi-storeyed buildings. .

   a. Direct supply from mains to ablutionary tapsand kitchen with WCs and urinals suppliedby overhead tanks.
   b. Direct Pumping Systems
   c. Hydro-Pneumatic Systems
   d. Overhead Tanks Distribution