

PLUMBING SPECIFICATONS

Piping Support below slab:

1. All piping shall be supported by an approved suspended system.
2. System Structure:
 - a. Provides a dimensionally stable underground void space that is independent from the overhead structural slab. The subterranean system shall support the weight of suspended lateral pipes, including all imposed loads, throughout the construction process.
 - b. The system shall be designed to have the ability to temporarily position and suspend the lateral pipes to the specified height and slope until permanently anchored to the overhead structural slab via the securing hanger system. The open, underground system will then remain independent from the securing hangers.
 - c. The open space of the system beneath the structural slab is designed to receive the infill of vertical expansion from the underlying soils. If vertical pressure is applied to the edges of the system in contact with the soil, the uplifting soil pressure will become separate and allow the lateral pipes to be totally independent from the System.

3. System Components:

- a. The system shall have waterproof components related to its intended performance
- b. The system must maintain its structural integrity in all humid environments
- c. The system must have industry-proven performance in any and all inclement conditions
- d. The system shall be able to perform if and when submerged in water
- e. It is recommended that all independent components not included in the system should comply with the project specifications in order to get the intended results of the designed system.
- f. All vertical All-thread must have a component secured toward the top end and be permanently affixed into the concrete slab in order to maintain the specified elevations.
- g. All System components, excluding clevises, all-threads, and nuts shall be furnished by the designed, system manufacturer.
- h. System shall be installed per the manufacturer's requirements and recommendations.
- i. Acceptable Manufacturer: Proven systems that comply with these directions