

APPENDIX K

VACUUM DRAINAGE SYSTEMS

(APPENDIX K IS FOR INFORMATIONAL PURPOSES ONLY)

K101 SYSTEM

K101.1 General

Since a vacuum drainage system is considered an alternate designed plumbing system, the requirements of Chapter 12 shall apply.

K101.2 System Design

Vacuum drainage systems shall be designed in accordance with manufacturer's specifications. The system arrangement, including piping, tank assemblies, vacuum pump assembly and other components necessary for proper function of the system shall be in accordance with manufacturer's specifications.

K101.3 Plans and specifications

Plans and specifications for such systems shall be submitted to the State Health Officer for review and approval prior to installation.

the system shall be subjected to a vacuum test of 19 inches of mercury (64 kPa) and shall be operated to function as required by the State Health Officer and/or the local Plumbing Official and the manufacturer. Tests shall be witnessed by the State Health Officer and/or the local Plumbing Official. The results of such tests shall be submitted to the State Health Officer and the local Plumbing Official.

K108 WRITTEN INSTRUCTIONS

Written instructions for the Operations, Maintenance, Safety and Emergency procedures shall be provided to the Building Owner and shall be available for inspection by the State Health Officer and the local Plumbing Official at any time.

K102 FIXTURES

Gravity type fixtures used in vacuum drainage systems shall comply with Chapter 4.

K103 DRAINAGE FIXTURE UNITS

The drainage fixture load of gravity drainage systems which discharge into or receive discharge from vacuum drainage systems shall be based upon values in Chapter 7.

K104 WATER SUPPLY FIXTURE UNITS

Water supply fixture load shall be based upon values in Chapter 6. The load requirement of a vacuum type water closet shall be determined per manufacturer's specifications.

K105 TRAPS AND CLEANOUTS

Gravity type fixtures shall be provided with traps and cleanouts in accordance with Chapters 7 and 10.

K106 MATERIALS

Vacuum drainage pipe, fitting and valve materials shall be as specified by the vacuum drainage system manufacturer and as listed in this Code.

K107 TESTS AND DEMONSTRATIONS

After completion of the entire system installation,

