Certification: Plumbing Plans Examiner

Exam ID: P3

Scope:
The Plumbing Plans Examiner reviews drawings, specifications, and other documentation provided by the design professional for compliance with the codes and standards adopted by their jurisdiction. The Plans Examiner provides customer services by answering questions and concerns related to plumbing codes and standards.

The responsibilities of the Plumbing Plans Examiner include but are not limited to verifying the following: proper materials, installation of plumbing fixtures, type of occupancy and minimum number of fixtures required for different occupancies; the safety devices and installation of water heaters; the installation and design of the domestic water distribution systems materials used, and the proper back flow protection of potable water; the installation and the design of the DWV system, including pipe sizing, indirect waste, and methods of venting and materials uses; the installation and design of storm drain pipe sizing; and that the proper documentation for the plan review process has been filed.

- 50 multiple-choice questions
- 2-hour limit
- Open book

01 General Requirements

0101 Piping Protection
Verify all piping systems are protected as required from corrosion, stress and strain, freezing, and physical damage.

0102 Piping Installation
Verify all piping systems have proper installation, support, sleeving, penetrations (fire, structural, etc.), and waterproofing of exterior openings.

02 Fixtures

0201 Fixtures and Materials
Verify approved materials and fixture approvals.

0202 Installation of Fixtures
Verify proper installation of fixtures including accessibility, waste receptors, appliances, and appurtenances, including clearances, access, and sealing.

03 Water Heaters

0301 Safety Devices
Verify proper use and installation of materials, listing, and labeling, including clearances, locations, protection, pans, and seismic restraint, and check for appliance approval. Verify required valving, T&P valve and discharge piping installation, and thermal expansion requirements.
0302 Piping, Combustion Air, and Venting
Verify proper sizing of fuel gas piping, combustion air requirements, and required venting.

04 Water Supply and Distribution 16%

0401 Materials, Joints, and Connections
Verify approved materials, joints, and connections.

0402 Installation of Supply Piping
Verify that service and distribution piping has proper installation of cold and hot water delivery including minimum and maximum pressure and volume requirements, identification, sizing, valving, insulation, and safety.

0403 Protection of Water Supply
Verify that potable water supply and distribution piping have proper protection against contamination. Verify installation of water treatment systems.

05 Sanitary Drainage 14%

0501 Materials, Joints, and Connections
Verify approved materials and use of proper fittings, joints, and connections.

0502 Sizing of Drains and Stacks
Verify proper sizing and installation of the building drain, building sewer, branches, and stacks.

0503 Sumps and Ejectors
Verify proper installation of backwater valves, sumps, ejectors, and required cleanouts.

0504 Indirect Waste
Verify that indirect waste systems have air breaks, air gaps, interceptors, condensate drains, pumps, and tanks.

06 Vents 14%

0601 Materials, Joints, and Connections
Verify approved materials, joints, connections, and proper grades.

0602 Sizing and Installation
Verify proper sizing and the minimum venting requirements, methods, and installation.

07 Traps, Interceptors, Separators, Special Piping, and Storage Systems 10%

0701 Traps, Interceptors, Separators
Verify proper use, installation and connection of traps, interceptors and separators.

0702 Chemical Treatment and Neutralization
Verify chemical treatment, high-temperature, and neutralization systems.
08  Storm Drainage  8%

0801  Materials, Joints, and Connections  6%
Verify that roof drains, conductors, and leaders have proper use of approved materials, sizing, and installation.

0802  Sumps and Sub-Drains  2%
Verify sub-soil and building sub-drains, sumps, and pumping systems.

09  Health Care Plumbing  6%

0901  Installation of Fixtures  4%
Verify approved materials and fixtures. Inspect for proper installation of fixtures including accessibility, waste receptors, appliances, and appurtenances, including clearances, access, and sealing.

0902  Protection of Water Supply  2%
Verify that service and distribution piping has proper installation of cold and hot water delivery, identification, sizing, valving, insulation, and safety requirements. Verify that potable water supply and distribution piping has proper protection against contamination.