

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	6%
0101	<u>Piping Protection</u> Verify all piping systems are protected as required from corrosion, stress and strain, freezing, and physical damage.	2%
0102	<u>Piping Installation</u> Verify all piping systems have proper installation, support, sleeving, penetrations (fire, structural, etc.), and waterproofing of exterior openings.	4%
02	Fixtures	12%
0201	<u>Fixtures and Materials</u> Verify approved materials and fixture approvals.	4%
0202	<u>Installation of Fixtures</u> Verify proper installation of fixtures including accessibility, waste receptors, appliances, and appurtenances, including clearances, access, and sealing.	8%
03	Water Heaters	14%
0301	<u>Safety Devices</u> 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.	4%

0302	<u>Piping, Combustion Air, and Venting</u>	10%
	Verify proper sizing of fuel gas piping, combustion air requirements, and required venting.	
04	Water Supply and Distribution	16%
0401	<u>Materials, Joints, and Connections</u>	4%
	Verify approved materials, joints, and connections.	
0402	<u>Installation of Supply Piping</u>	8%
	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	<u>Protection of Water Supply</u>	4%
	Verify that potable water supply and distribution piping have proper protection against contamination. Verify installation of water treatment systems.	
05	Sanitary Drainage	14%
0501	<u>Materials, Joints, and Connections</u>	2%
	Verify approved materials and use of proper fittings, joints, and connections.	
0502	<u>Sizing of Drains and Stacks</u>	4%
	Verify proper sizing and installation of the building drain, building sewer, branches, and stacks.	
0503	<u>Sumps and Ejectors</u>	4%
	Verify proper installation of backwater valves, sumps, ejectors, and required cleanouts.	
0504	<u>Indirect Waste</u>	4%
	Verify that indirect waste systems have air breaks, air gaps, interceptors, condensate drains, pumps, and tanks.	
06	Vents	14%
0601	<u>Materials, Joints, and Connections</u>	6%
	Verify approved materials, joints, connections, and proper grades.	
0602	<u>Sizing and Installation</u>	8%
	Verify proper sizing and the minimum venting requirements, methods, and installation.	
07	Traps, Interceptors, Separators, Special Piping, and Storage Systems	10%
0701	<u>Traps, Interceptors, Separators</u>	8%
	Verify proper use, installation and connection of traps, interceptors and separators.	
0702	<u>Chemical Treatment and Neutralization</u>	2%
	Verify chemical treatment, high-temperature, and neutralization systems.	

08	Storm Drainage	8%
0801	<u>Materials, Joints, and Connections</u> Verify that roof drains, conductors, and leaders have proper use of approved materials, sizing, and installation.	6%
0802	<u>Sumps and Sub-Drains</u> Verify sub-soil and building sub-drains, sumps, and pumping systems.	2%
09	Health Care Plumbing	6%
0901	<u>Installation of Fixtures</u> Verify approved materials and fixtures. Inspect for proper installation of fixtures including accessibility, waste receptors, appliances, and appurtenances, including clearances, access, and sealing.	4%
0902	<u>Protection of Water Supply</u> 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.	2%