

PLUMBING PLANS EXAMINER CONTENT OUTLINE

EXAM ID: P3

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

01. GENERAL REQUIREMENTS	4%
0101. Piping Protection	2%
Verify all piping systems are protected as required from corrosion, stress and strain, freezing, and physical damage.	
0102. Piping Installation, Support, Sleeving and Penetrations	2%
Verify all piping systems have proper installation, support, sleeving, penetrations (fire, structural, etc.) and waterproofing of exterior openings.	
02. FIXTURES	11%
0201. Fixture and Material Approvals	4%
Verify approved materials and fixture approvals.	
0202. Installation, Location, Clearance and Access	7%
Verify proper installation of fixtures including accessibility, waste receptors, appliances and appurtenances including clearances, access and sealing.	
03. WATER HEATERS	9%
0301. Installation Requirements	4%
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. Gas Piping, Combustion Air, and Venting	5%
Verify proper sizing of fuel gas piping, combustion air requirements, and required venting.	

04.	WATER SUPPLY AND DISTRIBUTION	20%
	0401. Materials, Joints and Connections	5%
	Verify approved materials, joints and connections.	
	0402. Identification, Sizing and Valving	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. Protection Against Contamination and Treatment	7%
	Verify that potable water supply and distribution piping have proper protection against contamination. Verify installation of water treatment systems.	
05.	SANITARY DRAINAGE	16%
	0501. Materials and Fittings	2%
	Verify approved materials and use of proper fittings, joints, and connections.	
	0502. Sizing of System	7%
	Verify proper sizing and installation of the building drain, building sewer, branches and stacks.	
	0503. Valves, Sumps, Ejectors, and Cleanouts	4%
	Verify proper installation of backwater valves, sumps, ejectors and required cleanouts.	
	0505. Indirect Waste	3%
	Verify that indirect waste systems have air breaks, air gaps, interceptors, condensate drains, pumps, and tanks.	
06.	VENTS	14%
	0601. Material, Joints, Connection and Grade	5%
	Verify approved materials, joints, connections and proper grades.	

0602.	Sizing, Method, and Installation	9%
	Verify proper sizing and the minimum venting requirements, methods, and installation.	
07.	TRAPS, INTERCEPTORS, SEPARATORS, SPECIAL PIPING, AND STORAGE SYSTEMS	10%
0701.	Installation Requirements	7%
	Verify proper use, installation and connection of traps, interceptors and separators.	
0702.	Chemical Treatment, High Temperature, & Neutralization Systems	3%
	Verify chemical treatment, high-temperature and neutralization systems.	
08.	STORM DRAINAGE	8%
0801.	Materials Sizing and Installation	6%
	Verify that roof drains, conductors and leaders have proper use of approved materials, sizing and installation.	
0802.	Sub-soil Sub-drains	2%
	Verify sub-soil and building sub-drains, sumps and pumping systems.	
09.	HEALTH CARE PLUMBING	8%
0901.	Material and Installation	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.	Service and Distribution Piping	4%
	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.	