

**CALIFORNIA COMMERCIAL PLUMBING INSPECTOR
CONTENT OUTLINE**

EXAM ID: I3

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

01. GENERAL REQUIREMENTS	10%
0101. Piping Protection	6%
Inspect all piping systems to insure protection as required from corrosion, stress and strain, freezing, and physical damage.	
0102. Piping Installation, Support, Sleeving and Penetrations	4%
Inspect all piping systems for proper installation, support, sleeving, penetrations (fire, structural, etc.) and waterproofing of exterior openings. Verify that all required tests of installed piping systems are conducted.	
02. FIXTURES	12%
0201. Fixture and Material Approvals	2%
Inspect for approved materials and fixture approvals.	
0202. Installation, Location, Clearance and Access	6%
Inspect for proper installation of fixtures including accessibility, waste receptors, appliances and appurtenances including clearances, access and sealing.	
0203. Flow Rates	4%
Inspect for maximum and minimum flow rates and temperature control valves. Inspect for proper installation of faucets, fixture fittings, and accessories.	
03. WATER HEATERS	14%
0301. Installation Requirements	6%
Inspect for proper use and installation of materials, listing, and labeling, including clearances, locations, protection, pans, and seismic restraint, and check for appliance approval. Inspect for required valving, T&P valve and discharge piping installation, and thermal expansion requirements.	

0302.	Gas Piping, Combustion Air, and Venting	8%
	Inspect for proper sizing of fuel gas piping, combustion air requirements, and required venting.	
04.	WATER SUPPLY AND DISTRIBUTION	14%
0401.	Materials, Joints and Connections	4%
	Inspect for approved materials, joints and connections.	
0402.	Identification, Sizing and Valving	6%
	Inspect the service and distribution piping for 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	4%
	Inspect the potable water supply and distribution piping for proper protection against contamination. Inspect installation of water treatment systems.	
05.	SANITARY DRAINAGE	16%
0501.	Materials and Fittings	4%
	Inspect for approved materials and use of proper fittings, joints, and connections.	
0502.	Sizing of System	4%
	Inspect for proper sizing and installation of the building drain, building sewer, branches and stacks.	
0503.	Valves, Sumps, Ejectors, and Cleanouts	4%
	Inspect for the proper installation of backwater valves, sumps, ejectors and required cleanouts.	
0505.	Indirect Waste	4%
	Inspect indirect waste systems for air breaks, air gaps, interceptors, condensate drains, pumps, and tanks.	
06.	VENTS	12%
0601.	Material, Joints, Connection and Grade	6%
	Inspect for approved materials, joints, connections and proper grades.	

0602. Sizing, Method, and Installation	6%
Inspect for proper sizing and the minimum venting requirements, methods, and installation.	
07. TRAPS, INTERCEPTORS, SEPARATORS, SPECIAL PIPING, AND STORAGE SYSTEMS	10%
0701. Installation Requirements	6%
Inspect for proper use, installation and connection of traps, interceptors and separators.	
0702. Chemical Treatment, High Temperature, & Neutralization Systems	4%
Inspect chemical treatment, high-temperature and neutralization systems.	
08. STORM DRAINAGE	6%
0801. Materials Sizing and Installation	4%
Inspect roof drains, conductors and leaders for proper use of approved materials, sizing and installation.	
0802. Sub-soil Sub-drains	2%
Inspect sub-soil and building sub-drains, sumps and pumping systems.	
09. HEALTH CARE PLUMBING	6%
0901. Material and Installation	2%
Inspect for 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%
Inspect the service and distribution piping for proper installation of cold and hot water delivery, identification, sizing, valving, insulation and safety requirements. Inspect the potable water supply and distribution piping for proper protection against contamination.	