

FPAA101D Automatic Fire Sprinkler System Design and Installation

This industry bulletin has been issued to provide information on fire sprinkler systems installed in accordance with FPAA101D Automatic Fire Sprinkler System Design and Installation. This deemed-to-satisfy (DTS) standard is included in the Plumbing Code of Australia (PCA) under B1D5 cold water services.

The DTS provisions are contained in the technical specification FPAA101D for sole occupancy units in new Class 2 and 3 in buildings less than 25 metres in effective height. The technical specification was compiled by the Fire Protection Association of Australia to allow fire sprinkler systems in such buildings to be directly connected to the drinking water supply, for example the vertical water supply pipe that supplies plumbing fixtures with drinking water in a multi-storey building.

The fire sprinkler system must terminate at a plumbing fixture which effectively monitors the system ensuring it is constantly charged with water. All products and materials within the system including the fire sprinklers are to be certified in accordance with the WaterMark Certification Scheme.

In accordance with the definition of water supply plumbing work in Regulation 4 of the Plumbers Licensing and Plumbing Standards Regulations 2000 (the Regulations), the installation of fire sprinkler systems to FPAA101D is regulated plumbing work which must be carried out by a licensed plumber and certified by a licensed plumbing contractor.

Sizing of pipework, required flow rates and pressures for both systems should be completed by hydraulic designers, and may include provision of pumps and tanks if necessary. Licensed plumbing contractors are reminded that direct pumping from the mains is not possible without permission from the water services provider.

Copies of the FPAA101D specification and other information is available from the FPAA website.

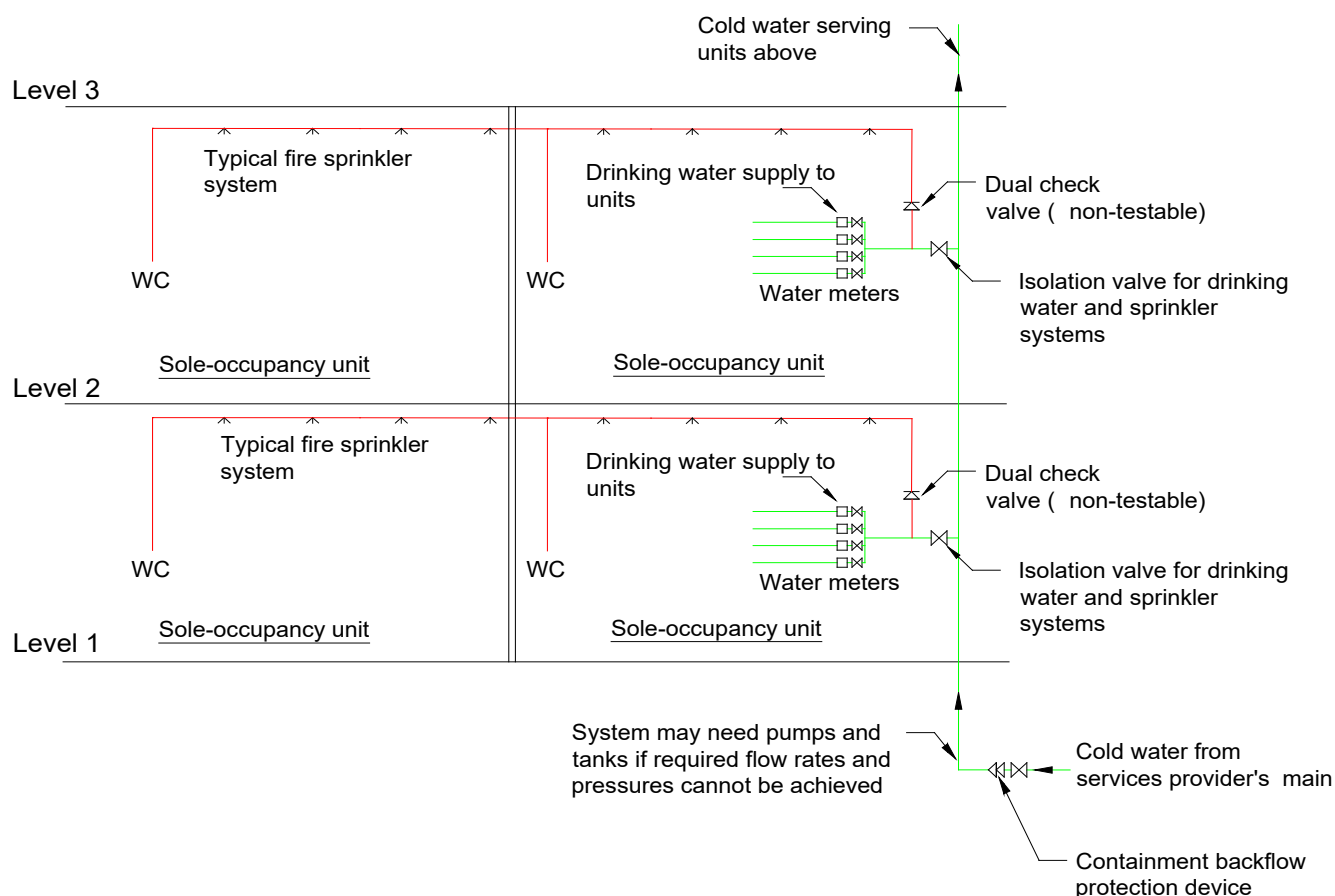


Diagram 1: An example of pipework set out in the technical specification.

Disclaimer – The information contained in this document is provided as general information and a guide only. It should not be relied upon as legal advice or as an accurate statement of the relevant legislation provisions. If you are uncertain as to your legal obligations, you should obtain independent legal advice.

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