

Domestic Fire Sprinkler Systems for Houses

The following information relates to the installation of a domestic sprinkler system in a single residential house. It is subject to ongoing review, may not cover every requirement and is offered on a “no liability” basis.

The sprinkler system must be installed with a Building Consent.

The following information must be included in the Building Consent application;

1. The standard the sprinkler system has been designed to, e.g. NZS 4517.
2. Floor plans showing sprinkler component layout.
3. Calculations.
4. Producer Statement Design (PS1) from the Designer.
5. Reference data for the systems components, i.e. sprinkler heads, pipe work, etc.
6. Details of the water supply for the system. This will likely require a tank and pump, refer to Water Connection note below.

Before a Code Compliance Certificate will be issued the following information will need to be provided;

1. Test results (the test will most likely need to be witnessed by a Council Inspector).
2. Producer Statement Construction (PS4) review from the designer.
3. Owners Manual.

Water Connection

1. Council policy is to provide a single standard water supply connection to each residential dwelling. Generally in the urban area this will be a 15mm branch from the sub-main with a 15mm gate valve, 15mm Elster PSM Water Meter with integral 15mm dual check device / backflow valve.