

AON SPRINKLER CERTIFICATION



Aon New Zealand

Aon Sprinkler Certification
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| Aon Sprinkler Certification Technical Note | | |
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| Note Number: TN-16-30 | Issue: 1 | Date: 1 December 2016 |
| Subject | Storage Declarations | |
| Notice: Aon Sprinkler Certification Technical Notes provide guidance notes which may be used in certification of sprinkler installations by Aon New Zealand. If sprinkler installations are being certified by any other sprinkler system certifier, these Technical Notes may not apply. | | |

Storage declarations are required to be provided as part of the design parameter application for all sprinkler systems. They are an essential to formally document the client's storage intentions, and thus, allow the sprinkler system to be adequately designed. They also form useful documentation to substantiate and analyse why the system was designed as it was if a failure occurs, or the client stores goods in excess of the design capacity of the system, and challenges the design when a Building Warrant of Fitness cannot be issued.

Unfortunately, it is sometimes apparent that the importance of this document is not understood. Aon receive calls from clients who have been sent a blank form, with no explanation, and ask how they should fill it out.

- *In many cases, especially with respect to warehousing or some manufacturing operations, Aon believe that the document would be best presented to the tenant or principal, with its importance explained. Issues such as types of goods, types of packaging, whether idle pallets need to be allowed for, whether there are goods such as ignitable/flammable liquids being stored, aerosols storage and the like, that will impact on system design requirements.*
- *On "spec" buildings a storage declaration that simply outline the developers design intent maybe sufficient, for example 'Double row racks, cartoned unexpanded plastics', to enable the SSC to verify that the design proposed by the system designer is consistent with the intended building use. In such cases there would be an expectation that a tenant will be made conversant of these limitations.*
- *Other issues that should be discussed are items such as flue spaces, and clearances between goods and in-rack sprinkler heads.*

Designers are also reminded that Aon has published a simplified storage declaration that may be appropriate for buildings with no or limited storage. A Copy of Aon's Form 12 is distributed with this Technical Note.

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