

Title	Read and interpret fire sprinkler construction and services drawings		
Level	3	Credits	4

Purpose	<p>This unit standard is for personnel employed in the fire protection industry and covers the interpretation of fire sprinkler drawings.</p> <p>People credited with this unit standard are able to read and interpret fire sprinkler, construction, and services drawings.</p>
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Classification	Mechanical Engineering > Fixed Fire Protection Systems
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Available grade	Achieved
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Explanatory notes

- 1 References
 - NZS 4515: 2009, *Fire sprinkler systems for life safety in sleeping occupancies (up to 2000 square metres)*
 - NZS 4541:2013, *Automatic fire sprinkler systems*
 - NZS/AS 1100.101:1992, *Technical drawing – General principles*
 - NZS/AS 1100.201:1992, *Technical drawing – Mechanical engineering drawing*

An abridgement of these standards, suitable for the purposes of this unit standard, is SAA/SNZ HB1: 1994, *Technical Drawing for students*.
- 2 Range

Drawings must be in accordance with the standards listed in the references above, or international equivalent.
- 3 Assessment

For assessment purposes, competence must be demonstrated for the interpretation of drawings for a fire sprinkler installation.

Outcomes and evidence requirements

Outcome 1

Read and interpret fire sprinkler construction and services drawings.

Evidence requirements

- 1.1 Components, assemblies, and fixtures are identified and interpreted from given drawings in accordance with AS 1100 and NZS 4541:2013.

- 1.2 Component and material requirements for the job are determined from given sprinkler drawings.
- 1.3 Dimensions and drawing notes are interpreted in accordance with AS 1100 and NZS and 4541:2013.
- 1.4 Legends and symbols are identified and interpreted in accordance with AS 1100 NZS and 4541:2013.
- Range includes but is not limited to – grid lines, scale, revisions, sprinkler type.

Planned review date	31 December 2020
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	15 October 2015	N/A

Accreditation and Moderation Action Plan (AMAP) reference	0013
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This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Consent requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.