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

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| 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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Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:
 Building Act 2004,
 NZS 4515:2009, *Fire sprinkler systems for life safety in sleeping occupancies (up to 2000 square metres)*
 NZS 4541:2020, *Automatic fire sprinkler systems*,
 SAA/SNZ HB20: 1996, *Graphical symbols for fire protection drawings*.
 Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- 2 Assessment information
 Drawings must be in accordance with the standards listed in the references above, or international equivalent.
- 3 Range
 For assessment purposes, competence must be demonstrated for the interpretation of drawings for a fire sprinkler installation.

Outcomes and performance criteria

Outcome 1

Read and interpret fire sprinkler construction and services drawings.

Performance criteria

- 1.1 Components, assemblies, and fixtures are identified and interpreted from given drawings in accordance with NZS 4541:2020.

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 NZS 4541:2020.

1.4 Legends and symbols are identified and interpreted in accordance with NZS 4541:2020.

Range includes but is not limited to – grid lines, scale, revisions, sprinkler type.

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| Planned review date | 31 December 2029 |
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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 | 31 December 2026 |
| Review | 2 | 27 June 2024 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 0013 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.