

Title	Demonstrate knowledge of preliminary work needed for construction		
Level	4	Credits	2

Purpose	People credited with this unit standard are able to: identify documentation applicable to the construction of a building or structure; describe how to identify land and services intended for a construction site and calculate total land and site coverage area; describe how to set up temporary construction site facilities; and describe time activity programming for a residential building and prepare a sample time activity programme.
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Classification	Construction Trades > Carpentry Theory
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Available grade	Achieved
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Guidance Information

- 1 **Definition**
Specifications refers to documented instructions (oral, written, graphic) and may include any of the following: manufacturer's specifications, recommendations or technical data sheets; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.
- 2 **Credit for this unit standard indicates compliance with industry practice.** *Industry practice* refers to the ability to demonstrate knowledge that reflects the uniformity, finish quality and material economies currently accepted within industry.
- 3 **Legislation relevant to this unit standard includes:**
 Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995;
 Building Act 2004 and Building Regulations 1992;
 Building (Forms) Regulations 2004;
 New Zealand Building Code;
 Resource Management Act 1991.

Outcomes and performance criteria

Outcome 1

Identify documentation applicable to the construction of a building or structure.

Performance criteria

- 1.1 Documentation used in the construction of buildings or structures is identified.
- Range drawings, specifications, Project Information Memorandum, Land Information Memorandum, Certificate of Public Use.
- 1.2 Alternate means of compliance are described in terms of the documentation requirements of the Building Code.
- Range acceptable solutions, Producer Statement, expert opinions.

Outcome 2

Describe how to identify land and services intended for a construction site and calculate total land and site coverage area.

Performance criteria

- 2.1 Land identification is described in terms of the use of a Lot Number, Deposited Plan and Certificate of Title.
- 2.2 Methods of identifying a construction site are described.
- Range site plans and boundary markers, datum points, survey marks, gridlines.
- 2.3 Methods of identifying existing services are described.
- Range Project Information Memorandum, lodged existing plans, service providers, visual inspection.
- 2.4 Calculations are made in relation to the total land and site coverage area of a construction site, in accordance with industry practice.

Outcome 3

Describe how to set up temporary construction site facilities.

Performance criteria

- 3.1 Required actions are described in relation to setting up a building site.
- Range provision of access, installation of water, power, sewage, stormwater and telecommunication services, set up of temporary site accommodation, ablutions, storage for plant and materials, security, measures to protect adjoining properties and trees, measures to protect site personnel and the public, plant wash down areas, confirmation of issue of building and related consents.

Outcome 4

Describe time activity programming for a residential building and prepare a sample time activity programme.

Range the following dates must be noted – start date, finish date, operations dates, subcontractors dates, materials delivery dates, inspections, specialist plant dates.

Performance criteria

- 4.1 A time activity programme is explained in terms of work activity and job progress.
- 4.2 A time activity programme is prepared from given examples of plans and specifications.

Replacement information	This unit standard replaced unit standard 13003. This unit standard, unit standard 13004 and unit standard 13005 were replaced by unit standard 32445.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 January 2008	31 December 2023
Review	2	30 September 2021	31 December 2023

Consent and Moderation Requirements (CMR) reference	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.