

<b>Title</b>	<b>Receive and store reinforcing steel and carry out reinforcing for concrete structures in-situ</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	<p>This unit standard is intended for people working in the concrete construction industry.</p> <p>People credited with this standard can receive and store reinforcing steel and carry out reinforcing for concrete structures in-situ to the level of performance required of a commercially competent tradesperson.</p>
----------------	--

<b>Classification</b>	Concrete > Concrete Construction
-----------------------	----------------------------------

<b>Available grade</b>	Achieved
------------------------	----------

---

## Guidance Information

### 1 Assessment

This unit standard is intended to align with the *New Zealand Certificate in Concrete Construction (Commercial and Civil Infrastructure) – Specifications* and the *New Zealand Certificate in Concrete Construction (Commercial and Civil Infrastructure) (Level 4)* [Ref: 4188].

Evidence for this unit standard must reflect commercial competence.

Commercial competence refers to the ability to demonstrate knowledge and skills in the context of the currently accepted requirements of a business operating in a commercial environment.

Commercial competence must be confirmed by a person with current expertise in concrete construction.

### 2 Definitions

*Design specifications* refers to the detailed description, characteristics, quantity, and quality, ratio and formation method of the material used in construction work.

*Workplace procedures* refers to the documented procedures specific to a workplace that set out the standards and required practices of that workplace.

### 3 Legislation, standards and guidance information relevant to this standard includes the following; and any subsequent amendments and replacements:

Specifications available from [qualifications@waihanga.nz](mailto:qualifications@waihanga.nz)

- *New Zealand Certificate in Concrete Construction (Commercial and Civil Infrastructure) – Specifications*, BCITO, October 2020.

Legislation accessed at [www.legislation.govt.nz](http://www.legislation.govt.nz)

- Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.

Standards accessed at [www.standards.govt.nz](http://www.standards.govt.nz)

- NZS 3101.1&2:2006 *Concrete structures*
- NZS 3109:1997 *Concrete construction*
- AS/NZS 4671:2019 *Steel for the reinforcement of concrete*.

Guidelines and Approved Codes of Practice accessed at [www.worksafe.govt.nz](http://www.worksafe.govt.nz)

- *The Absolutely Essential Health and Safety Toolkit*.

*New Zealand Guide to Concrete Construction 2011 (Revised Edition)* accessed at [www.concretenz.org.nz](http://www.concretenz.org.nz).

---

## Skill specification and performance level guidance

### Skill specification

Receive and store reinforcing steel and carry out reinforcing for concrete structures in-situ.

### Knowledge

The types, properties, sizes and uses of reinforcing steel in concrete construction.

Range types include formed and fabricated mild, ductile and high-yield steel components, round bars, deformed bars, mesh or fibre.

The materials used in conjunction with steel for reinforcing.

Range may include reinforcing chairs, brackets, ties, waffle slab components, conduits, bolts, plates, rods, pipes, and ducting.

The methods for calculating lengths and quantities of reinforcing steel.

The methods for storing reinforcing steel to prevent deformation and surface deterioration.

The methods used for cutting, bending and fixing reinforcing steel in-situ.

### Skills

Calculate and order reinforcing steel and materials to meet job requirements.

Receive and store reinforcing steel to prevent deformation and surface deterioration.

Select, cut and fix reinforcing steel for in-situ concrete structures according to design specifications.

## Performance level guidance

Performance must reflect workplace procedures, current regulatory, industry and commercial standards relevant to concrete construction.

Reinforcing must be according to design specifications.

<b>Planned review date</b>	31 December 2026
----------------------------	------------------

## Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 January 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

## Comments on this unit standard

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihanga.nz](mailto:qualifications@waihanga.nz) if you wish to suggest changes to the content of this unit standard.