

Reinforcing 1 Handle and store reinforcing materials

Kaupae Level	3
Whiwhinga Credit	5
Whāinga Purpose	This skill standard is intended for people working in or entering the construction trades. People credited with this skill standard have the skills to handle and store reinforcing steel for standard concrete construction under limited supervision. This skill standard aligns with the New Zealand Certificate in Concrete Construction Skills (Level 3) [Ref: XXXX] and may also contribute to other construction and infrastructure qualifications.

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Identify key features and use of reinforcing materials for standard concrete construction.	a. Steel used for reinforcing is described in terms of type and use in standard concrete construction.
	b. Reinforcing materials are described in terms of type and function as part of the reinforcing system.
2. Handle reinforcing materials.	a. Delivery documentation and bar tags are checked to confirm the correct type and quantity of reinforcing materials.
	b. Manual handling and basic lifting methods are applied to move reinforcing materials safely and prevent damage.
3. Store reinforcing materials between use.	a. Storage methods are applied to prevent deterioration and allow safe retrieval.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

To achieve this standard the candidate must be capable of handling and storing reinforcing materials used in standard concrete construction under limited supervision to industry standards.

Industry standards must reflect industry best practice, workplace procedures, and be within acceptable tolerances as defined in New Zealand codes, standards and regulations.

Plans and specifications can include working drawings, plan specifications, manufacturer specifications, installation instructions and demolition and project plans.

Under limited supervision refers to candidates carrying out the requirements of this skill standard with basic guidance and indirect supervision from a suitably skilled tradesperson. They are expected to source some information independently from plans, specifications, or relevant New Zealand Standards.

Standard concrete construction refers to routine reinforcing work for straightforward concrete elements, for example, slabs, beams, columns, walls, or foundations. Work is carried out under supervision using familiar reinforcing materials, tools and methods.

Reinforcing materials are materials used to position, support, or connect reinforcement in concrete construction, for example, reinforcing bars, mesh, tie wire, chairs, spacers, couplers, and other accessories

Evidence for this standard must be demonstrated:

- to current and relevant Legislation, Standards, and Codes (including safety),
- in an environmentally sustainable manner, and
- with acceptable behaviours.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

Plans and specifications

- Reinforcing steel plans and specifications
- Bar tags and delivery documentation

Reinforcing steel

- Plain round bars, deformed bars, ribbed, mesh, bars, coils
- Grades such as 300E and 500E
- Mesh in slabs, bars in beams/columns.

Associated reinforcing materials

- Ties, chairs, spacers, brackets, anchors, couplers, ducts, fibres
- Supporting, spacing, securing or protecting reinforcement.

Handling methods

- Safe lifting techniques
- Mechanical handling equipment
- Manual handling practices
- Minimising bending or deformation
- Protective equipment
- Hazard identification and controls

Storage methods

- Stacking and supporting to avoid bending
- Segregation by size and grade
- Weather protection
- Preventing rust
- Preparation before use

Environmental considerations

- Minimising waste
- Preventing contamination of soil and water
- Reuse or recycling of offcuts

Rauemi | Resources

Programme Guidance information available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Concrete > Concrete Construction
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	dd mm 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 32665.		
Rā arotake Planned review date	[dd mm yyyy]		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaararau.nz to suggest changes to the content of this skill standard.