

## 40118 Carry out demolition work

<b>Kaupae   Level</b>	3
<b>Whiwhinga   Credit</b>	10
<b>Whāinga   Purpose</b>	<p>This skill standard recognises knowledge and skills to carry out demolition work safely.</p> <p>This skill standard contributes to the New Zealand Certificate in Demolition (Level 3) [Ref: 5058].</p>

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

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Describe the fundamental regulatory and safety requirements of demolition work.	a. Restricted and un-restricted demolition work situations are described.
	b. Basic risks that are present when demolishing a structure are described.
	c. Reasons for following site safety plans for demolition work are described.
	d. Risk control measures, and procedures to monitor controls during demolition are described.
2. Prepare for, and carry out, demolition work.	a. Risk control measures, work area, demolition methods, and sequence of demolition are accurately confirmed from the demolition plan.
	b. Work area is inspected to confirm work can proceed as documented in the demolition plan.
	c. Structural components and other items to remain are protected prior to start of work.
	d. Demolition work is carried out safely and according to the demolition plan.
	e. Follow-up procedures for the demolition work are completed according to organisational requirements.

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

Demolition work at this level encompasses all manual tasks up to but not including the requirements of un-restricted or notifiable works.

Restricted demolition refers to demolition work with any of the following requirements:

- Structures under three storeys (or 15 metres) in height not requiring consent,
- Structures under three storeys (or 15 metres) in height that are not attached to another structure,
- Internal demolition of non-structural items in a structure of any height.

Un-restricted demolition, or notifiable work, refers to demolition work with any of the following requirements:

- Structures over three storeys (or 15 metres) in height requiring consent,
- Structures attached to another structure of any height requiring consent,
- Structures listed as a heritage or character building requiring consent,
- Within a chemical, oil or gas installation,
- Involving a tower crane,
- Involving a mobile crane with a rated capacity of more than 100 tonnes,
- Involving structural components that are pre-tensioned or post-tensioned,
- Floor propping,
- Using explosives.

To achieve this standard, the assessment will be where the person conducting a business or undertaking (PCBU) has provision for a level of supervision to ensure safety of the ākonga and work undertaken.

Identification of basic risks associated with demolition must include reference to materials, demolition method, surrounding environment.

Follow-up procedures may include job or task sign-off, care and storage of tools, plant and equipment, documentation requirements, site maintenance and closure processes, sorting and removal of debris and recoverable materials.

***Ngā momo whiwhinga | Grades available***

Achieved.

**Ihirangi waitohu | Indicative content**

Buildings and structures:

- Structural components of buildings and protection methods.
- New building technologies and machinery.

Preparation:

- Isolation of the work area.
- Signage to be used, including onsite hazard notification.
- Correct personal protective equipment to be used for different demolition jobs.
- Checking of equipment and tools and reporting of any issues.

Safety considerations:

- Risks associated with demolition work.
- Hazardous environments and the impact on demolition work.
- Safety considerations for machinery, equipment, and plant.
- Health and wellbeing of staff.

- Dust, noise, and vibration suppression.
- Access, welfare facilities and site security.
- Considerations for the surrounding environment.

Work area inspection considerations:

- Hazardous materials that may be present.
- Services and their disconnection.
- Structural components to be removed.
- Cause and effect of demolition work.
- Personal, team and public safety.
- Presence of other people on the site.
- Site conditions and access.
- Waste sorting, recovery, and disposal.

Demolition practices:

- Requirements for a demolition consent.
- Archaeological considerations and protocols.
- Demolition methods.
- Sequence of demolition tasks.
- Accountability for gear and its storage.
- Working with other contractors.
- Interacting with members of the public.
- Sign-off procedures.

### Rauemi | Resources

New Zealand Restricted Demolition Operations: Best Practice Guidance (2024) (New Zealand Demolition & Asbestos Association), available from [www.nzdaa.com](http://www.nzdaa.com).

Refer to the Demolition Programme Guidance document which includes resources, definitions, and further information of relevance to this standard, available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz).

### Pārongo Whakaū Kouna | Quality assurance information

<b>Ngā rōpū whakatau-paerewa   Standard Setting Body</b>	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai   DASS classification</b>	Planning and Construction > Construction Trades > Demolition
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga   CMR</b>	0048

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	30 May 2024	N/A

<b>Kōrero whakakapinga  </b> Replacement information	N/A
<b>Rā arotake  </b> Planned review date	31 December 2029

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