

## 40787 Carry out pile or pole construction tasks

<b>Kaupae   Level</b>	3
<b>Whiwhinga   Credit</b>	6
<b>Whāinga   Purpose</b>	<p>This skill standard is for people intending to complete qualifications and credentials in the carpentry trades.</p> <p>People with this skill standard have the skills to carry out pile or pole construction tasks under limited supervision.</p> <p>This skill standard may contribute to New Zealand qualifications designed for construction trades.</p>

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

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Carry out pile or pole construction tasks.	a. The different types and functions of piles and poles are identified.
	b. Requirements for installing piles and poles are interpreted from plans and specifications.
	c. Set out and pre-installation tasks for piles or poles are carried out.
	d. Piles or poles are set out and placed.

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

#### Assessment specifications:

To achieve this standard the candidate must be capable of carrying out pile or pole construction tasks for floor or deck 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, regulations and standards.

Plans and specifications can include working drawings, plan specifications, manufacturer specifications, installation instructions and work, 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.

This standard may be assessed in the workplace or a simulated work environment.

Evidence for this standard must be demonstrated:

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

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

Achieved

### **Ihirangi waitohu** | Indicative content

#### Types of piles

- Ordinary, braced, anchor, cantilever, driven, screw piles.

#### Load types

- Vertical loads, lateral loads, seismic loads.

#### Properties of piles and poles

- Profile shapes and sizes, common lengths, materials, treatments, diameters, small-end diameters.

#### Setting out piles and poles

- Profiles and string lines.
- Overall, individual, and running measurements.
- Checking for square and marking out for excavations.
- Preparation for square/round holes and marking for cut timber piles/poles.

#### Tools and equipment

- Tools for excavation, cutting, and placing piles safely.

#### Calculations

- Calculating volumes and quantities.

#### Regulations and Standards

- Re-piling consent requirements.
- SED requirements for poles outside NZS3604.
- Maximum and minimum heights of different pile types as per NZS3604.

## Safety considerations

- Site safety with excavating machinery and securing the site.

## Ground conditions

- 'Good ground' and its implications for installation.

## Treatment requirements

- Treatment requirements for piles and poles based on environmental exposure and load conditions.

## Rauemi | Resources

Programme Guidance information available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz).

## Pārongo Whakaū Kouna | Quality assurance information

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

<b>Hātepe  </b> Process	<b>Putanga  </b> Version	<b>Rā whakaputa  </b> Review Date	<b>Rā whakamutunga mō te aromatawai  </b> Last date for assessment
<b>Rēhitatanga  </b> Registration	1	28 August 2025	N/A
<b>Kōrero whakakapinga  </b> Replacement information	This skill standard replaced unit standards 24380 and 24396.		
<b>Rā arotake  </b> Planned review date	31 December 2030		

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.