

Title	Erect and dismantle birdcage scaffolding		
Level	4	Credits	10

Purpose	<p>This unit standard is for people who have elementary scaffolding skills and who want to develop their scaffolding skills to an intermediate level.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – plan and prepare for the erection of birdcage scaffolding; – erect birdcage scaffolding; – check the structure is compliant and complete the GPG inspection report; and – dismantle birdcage scaffolding.
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Classification	Lifting Equipment > Intermediate Scaffolding
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Available grade	Achieved
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Guidance Information

- 1 This unit standard has been developed for learning and assessment on-job or off-job in a simulated environment. Where supervision is required by law, the supervisor must hold the appropriate Certificate of Competence for the scaffolding work undertaken.
- 2 All tasks are to be carried out in accordance with:
 - a quality management systems;
 - b designer requirements and manufacturer operating instructions; and legislation, regulations, bylaws, Health and Safety at Work Act 2015, and Health and Safety in Employment Regulations 1995 or its replacement;
 - c the most up to date version of the *Good Practice Guidelines - Scaffolding in New Zealand (GPG)*, 2016 available from <https://www.worksafe.govt.nz/topic-and-industry/working-at-height/scaffolding-in-new-zealand/>; and all subsequent amendments and replacements.
- 3 Definitions

Birdcage scaffolding is as defined in the GPG, is an independent scaffold incorporating multiple bays in both directions to fill a void and provide coverage of and/or access to a wide area – generally from the top working platform only. This platform then becomes a ‘floor’ from which to work.

Dismantle the deck is the process of removing, in safe order, scaffolding components from a lift above to a lift below or the ground.

Client refers to an individual or representative of a company who commissions a particular scaffold or scaffolding structure to be erected, or is an end user of the scaffold or scaffolding structure.

Scaffold plan is a key design document prepared by the candidate and used as a basis for the erection of a particular scaffold.

Scaffolding is as defined in the GPG and in the Health and Safety in Employment Regulations 1995.

4 Training and assessment

Evidence is required for at least one each of:

- a regular birdcage scaffold, that is one in which bays are at right angles, of at least 3 bays width by 3 bays length;
- an irregular birdcage scaffold, that is one in which bays are at angles other than right angles, of at least 3 bays width by 3 bays length; and
- a circular birdcage scaffold, that is one covering a circular area, of at least 6 metres in diameter.

Assessment should not include scaffolding requiring a Chartered Professional Engineer to certify the adequacy of the design prior to the erection of the scaffold.

5 Recommended skills and knowledge

New Zealand Certificate in Scaffolding (General) (Level 3) [Ref: 3708], or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Plan and prepare for the erection of birdcage scaffolding.

Performance criteria

1.1 Confirm birdcage scaffolding requirements with the work supervisor or client.

Range includes – duty loading, the area to be covered, where working lifts are needed;
may also include but is not limited to – maximum possible bay width.

1.2 Develop a plan for management of the scaffold during its use to prevent overloading.

1.3 Draw a scaffold plan.

Range includes – the area to be covered, optimum type of scaffolding available, position of working lift(s);
may also include but is not limited to – ground conditions, number of bays, bay width, bracing, guardrails and planking.

1.4 Identify and source the necessary equipment in accordance with the scaffold plan.

Outcome 2

Erect birdcage scaffolding.

Performance criteria

- 2.1 Base out the scaffolding in accordance with the scaffold plan.
- 2.2 Erect lifts in accordance with the scaffold plan.
- 2.3 Brace the structure in accordance with the scaffold plan.
- 2.4 Install working lift(s) and kickboards in accordance with the scaffold plan, and guardrail and plank the scaffolding.
- 2.5 Manage risk in the erection of non-working lifts.

Range may include but is not limited to – hooking on, installation of guardrails, static line protection, fall arrest from above, temporary planking;
temporary planking and one other method must be demonstrated.

Outcome 3

Check the structure is compliant and complete the GPG inspection report.

Performance criteria

- 3.1 Check the structure for compliance in accordance with the scaffold plan.
- 3.2 Complete a GPG inspection report.
- 3.3 Make changes to the structure to ensure compliance and amend the GPG inspection report accordingly.

Outcome 4

Dismantle birdcage scaffolding.

Performance criteria

- 4.1 Dismantle the deck in sequence.

Range all components removed progressively beginning with kickboards and mid rails from the working lift.
- 4.2 Dismantle the deck to the lift below.

4.3 Manage risks in the dismantling of non-working lifts.

Range may include but is not limited to – hooking on, installation of guardrails, static line protection, fall arrest from above, temporary planking;
temporary planking and one other method must be demonstrated.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 November 2008	31 December 2016
Review	2	16 July 2015	31 December 2019
Rollover and Revision	3	23 November 2017	31 December 2025
Review	4	24 February 2022	N/A
Revision	5	24 August 2023	N/A

Consent and Moderation Requirements (CMR) reference	0003
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

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