# Erect and dismantle birdcage scaffolding

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<tr>
<td>Level</td>
<td>4</td>
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<td>Credits</td>
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## Purpose

This unit standard is for people who have elementary scaffolding skills and who want to develop their scaffolding skills to an intermediate level.

People credited with this unit standard are able to:
- plan and prepare for the erection of birdcage scaffolding;
- erect birdcage scaffolding;
- check the structure is compliant; and
- dismantle birdcage scaffolding.

## Classification

Lifting Equipment > Intermediate Scaffolding

## Available grade

Achieved

## Prerequisites

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

## 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 the equipment manufacturer requirements, applicable company procedures, and industry good practice found in the following sources:
   - a. quality management systems;
   - b. designer requirements and manufacturer operating instructions; and government and local government legislation, regulations, bylaws, Health and Safety at Work Act 2015, and Health and Safety in Employment Regulations 1995 or its replacement;

3. Definitions
   
   **Birdcage scaffolding**: 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_: the process of removing, in safe order, scaffolding components from a lift above to a lift below or the ground.

_Client_: 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.

_A scaffold plan_: a key design document prepared by the candidate and used as a basis for the erection of a particular scaffold; _Scaffolding_ as defined in the GPG and in the Health and Safety in Employment Regulations 1995.

### 4 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 Registered Engineer to certify the adequacy of the design prior to the erection of the scaffold.

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### 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 with the scaffold user 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 accordance with the scaffold plan, and are fully guardrailed and planked.
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.

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 2020 |

Status information and last date for assessment for superseded versions

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

Comments on this unit standard

Please contact The Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.