

<b>Title</b>	<b>Install glazing into a glass canopy structure</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>A person credited with this standard can:</p> <ul style="list-style-type: none"> <li>• explain regulations and design requirements relevant to glass canopy installation;</li> <li>• prepare to install glazing into a glass canopy structure;</li> <li>• install glazing into a glass canopy structure; and</li> <li>• complete cleaning and storage requirements.</li> </ul>
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<b>Classification</b>	Construction Trades > Glazing
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<b>Available grade</b>	Achieved
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## Guidance Information

### 1 Assessment

This unit standard must be assessed under the supervision of a commercially competent glazing practitioner in workplace conditions that reflect:

- current health, safety, industry, and workplace requirements; and
- industry requirements for commercially acceptable timeframes.

Evidence generated for assessment against this standard must be verified by a person who has current expertise in the glazing trades and has had the opportunity to regularly observe the candidate in the workplace.

### 2 Installation must be completed without injury to personnel or damage to products and equipment. Personal protective equipment must be used to meet regulatory and worksite requirements.

### 3 Definitions

*Personal protective equipment* refers to anything used or worn by a person (including clothing) to minimise risks to the person's health and safety.

*Worksite requirements* refer to instructions to staff on policy and procedures which are documented in manual format and are available in the workplace. These requirements include – company specifications and procedures, work instructions, manufacturer's specifications, product quality specifications, legislative requirements.

### 4 Evidence generated for assessment against this standard must reflect the best practice guidelines and principles specified in:

- AS/NZS 1170.0:2002. *Structural design actions – Part 0: General principles*;
- AS/NZS 1576.1:2019. *Scaffolding – Part 1: General requirements*;
- NZS 4223.1:2008. *Glazing in buildings – Part 1: Code of practice for glazing in buildings - Glass selection and glazing*;

- NZS 4223.3:2016. *Glazing in buildings – Part 3: Human impact safety requirements*;
- AS/NZS 4668:2000. *Glossary of terms used in the glass and glazing industry*. AS/NZS and NZS standards are available at <http://www.standards.govt.nz>.
- *Approved Code of Practice for Load-Lifting Rigging*, available from <https://www.worksafe.govt.nz/>.

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## Outcomes and performance criteria

### Outcome 1

Explain regulations and design requirements relevant to glass canopy installation.

#### Performance criteria

1.1 Explain regulations and compliance requirements.

Range installations meet design specifications, producer statement (PS) responsibilities including PS1 and PS3, glass type, thickness, fittings, support and structure interfaces, glass stresses.

1.2 Explain the safety considerations for glass canopy installations.

Range access and mechanical lifting for installation, personal protective equipment requirements, fall arrest and protection, scaffolding, public safety.

### Outcome 2

Prepare to install glazing into a glass canopy structure.

#### Performance criteria

2.1 Confirm customer requirements and job specifications before work begins.

Range design details, dimensions, drawings and specifications, product information, site operational procedures, installation cost and time.

2.2 Check and gather equipment, tools, and installation materials before work begins.

2.3 Complete an installation site check.

Range measurements, site floor levels and allowance for floor finishes, suitability and location of fixing provisions, surrounds are plumb and/or level, installation hazards or problems, access lifting and safety management.

**Outcome 3**

Install glazing into a glass canopy structure.

Range glazing bar system, and any one of point fixed, spider fixed or tie rod system.

**Performance criteria**

3.1 Set out glass to meet the design and job specifications.

3.2 Install glass into a canopy structure to meet a job specification.

Range fit hardware, place and fix glass, wedge and or seal glass.

3.3 Provide information to the customer about any relevant maintenance requirements.

**Outcome 4**

Complete cleaning and storage requirements.

**Performance criteria**

4.1 Clean and store tools and plant, used to install glass into canopies.

Range plant may include – any machinery, vehicle, equipment (including personal protective equipment) used in a glazing operation.

4.2 Clean the canopy installation and clear and clean the work area.

<b>Planned review date</b>	31 December 2027
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	24 November 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
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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 Waihangara Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaraarau.nz](mailto:qualifications@waihangaraarau.nz) if you wish to suggest changes to the content of this unit standard.