

Title	Measure, record and communicate glass requirements for a complex glazing application		
Level	4	Credits	5

Purpose	A person credited with this standard can, for a complex glazing application: <ul style="list-style-type: none"> • measure dimensions for a glass order; and • record and communicate dimensions for a glass order.
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Classification	Construction Trades > Glazing
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Available grade	Achieved
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Guidance Information

1 Assessment

This unit standard must be assessed under the supervision of a commercially competent practitioner in construction 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
- Measuring 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 includes – 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 Range

Complex glazing applications may include – windows curved on plan, windows curved on elevation, an out of square wall or opening, complex stair balustrade, digitally printed images over multiple glass panels, structural glass assemblies.

- 5 Evidence generated for assessment against this standard must reflect the best practice guidelines and principles specified in:
- NZS 4223.1:2008. *Glazing in buildings – Part 1: Code of practice for glazing in buildings - Glass selection and glazing*;
 - NZS 4223.2:2016. *Glazing in buildings – Part 2: Insulating Glass Units*;
 - AS/NZS 4668:2000. *Glossary of terms used in the glass and glazing industry*;
 - AS/NZS 4667:2000. *Quality requirements for cut-to-size and processed glass*.
- AS/NZS and NZS standards are available at <http://www.standards.govt.nz>.

Outcomes and performance criteria

Outcome 1

Measure dimensions for a glass order for a complex glazing application.

Performance criteria

- 1.1 Review glazing specifications and drawings to determine measurement method.
- Range may include – 2D-3D laser, digital templating, manual templating.
- 1.2 Gather equipment, tools, and materials required to measure a frame, channel or structure for a complex glass glazing application.
- Range equipment may include – 2D-3D laser, digital templating equipment, manual templating tools, substrate.
- 1.3 Measure frame, channel, or structure according to measurement method.
- Range may include – curved on plan, curved on elevation - opening height, length, radius, arc length, degrees of angle; out of square, raking stair panel.

Outcome 2

Record and communicate dimensions for a glass order for a complex glazing application.

Performance criteria

- 2.1 Record measurements for complex glazing application to meet supplier requirements.
- Range includes but is not limited to – manual drawing, template, presentation format, detail accuracy, legibility, and completeness.
- 2.2 Prepare ordering information according to supplier requirements.
- Range glass type, thickness, dimensions, number of pieces, description of processes to be applied to the material.
- 2.3 Communicate materials order according to workplace procedure.

Planned review date	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

Consent and Moderation Requirements (CMR) reference	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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.