

L5 Install Lead the installation of a complex glazing system

Kaupae Level	5
Whiwhinga Credit	15
Whāinga Purpose	This standard recognises the knowledge and skills required to lead the installation of a complex glazing system. It contributes to the Advanced Glazing micro-credential.

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Coordinate the installation of a complex glazing system.	a. Stakeholders, team members, and other trades are communicated with and coordinated to complete project stages.
	b. Installation tasks are coordinated to ensure quality control, and health and safety procedures are implemented throughout the job.
2. Use advanced techniques in the installation of a complex glazing system.	a. Advanced techniques and equipment are used to measure, calculate, and set out for installation.
	b. Fittings, fixing, and compounds are selected and used with consideration to product relationships.
	c. Advanced technical skills and knowledge are applied to solve problems to progress installation.
3. Evaluate installation to confirm project requirements have been met.	a. Stages of installation are evaluated for and to confirm quality against manufacturer and engineering requirements and specifications.
	b. Verification is provided to confirm installation meets codes of practice and compliance requirements.

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

Assessment specifications:

Evidence generated for assessment against this standard must be drawn from a complex glazing project led by the candidate and verified by a commercially competent person who has current expertise in complex glazing projects.

The complex glazing system may be a complex frameless, residential, or commercial glazing project.

Complex glazing system refers to glass installation that requires advanced techniques to be used, uses more than four panels of toughened glass, and requires installation in a complex situation.

Typical complex glazing systems include engineered canopies and facades, complex frameless partitions, and balustrades that are curved, along stairways, and multi-level. A complex installation context includes those that are higher risk, at height, requiring moving equipment, alternative solutions, proprietary systems, or a system that is outside of a proprietary system.

Acceptable problems include those that within the scope of a glazier to solve, including escalation to another party.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Documentation for complex glazing

- Architectural plans and specifications.
- Shop drawings.
- Acoustic reports.
- Facade specifications.
- Wind loading report.
- Producer statements.
- Manufacturers' specifications.

Quality control procedures

- Producer statements

Construction knowledge

- Interfaces
- Building structure
- Opening
- Waterproofing

Measurement tools

- Lasers
- Electronic measuring equipment

Health and safety

- Job safety analyses
- Hazard identification and management
- Site-specific safety plans
- Material safety data sheets

Glass types and properties

- Composition
- Dimensions and weight
- Tolerances - manufacturing and structural
- Glazing systems installation methodologies

Rauemi | Resources

Programme guidance available from qualifications@waihangaararau.nz

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Planning and Construction > Construction Trades > Glazing
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0048

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	dd June 2024	N/A
Rā arotake Planned review date	dd June 2029		

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