

L5 Manage Manage logistics for moving and handling of glass for complex glazing installations

Kaupae Level	5
Whiwhinga Credit	10
Whāinga Purpose	This standard recognises the knowledge and skills required to manage the logistics and handling of glass for a complex glazing system installation. 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. Manage logistics for moving and handling of glass	a. Glass weight, dimensions, and moving equipment requirements are identified from job documentation and manufacturers' specifications.
	b. Moving equipment is selected suitable to the glass type and weight, allowing for site, access, and equipment limitations.
	c. Moving plan is confirmed and communicated with team, stakeholders, and specialist equipment operators.
	d. Glass is handled, lifted, moved, and unloaded in accordance with health, safety, compliance, and product requirements throughout the installation.
	e. Glass is protected and stored to maintain site safety and glass quality and to reflect manufacturers' specifications.

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

Assessment specifications:

Evidence generated for assessment of this standard must be drawn from a project or projects that require movement and handling of complex glass panes or glass items using at least one of the following pieces of mechanical equipment: hiab, site crane, gantry crane, mini crawler crane, specialist glass lifting machinery, sucker bank, grabs, pack lifter.

Evidence must reflect industry requirements specified in:

- building and construction industry regulations.
- documented worksite specifications, procedures, and practices.
- mechanical equipment manufacturer recommendations, specifications, and technical data sheets.

- applicable material safety data sheets.

Scope for the logistics: uplift, moving, unloading, handling, protection, storing.

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.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Compliance

- Building and construction regulations
- Local authority rules and regulations
- Traffic management and road closure
- Safety on-site and on route
- Route and access considerations.

Mechanical Equipment

- Purpose
- Operating limitations
- Operator requirements
- Compliance requirements

Handling and Storage

- Glass pane size and weight
- Type of finish
- Special characteristics
- Protection methods

On-site considerations

- Access
- Public exclusion zones
- Weather conditions
- Overhead clearances
- Floor weight loadings

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	XX	XX	N/A
Rā arotake Planned review date	XX		

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..