Helping remove barriers for modular construction projects

Modular construction uses factory-built modules that are transported to the construction site and assembled into low, mid or high-rise buildings. This method can speed up construction, reduce disruptions and waste, and improve safety while promoting environmentally responsible building practices.



INCREASED SAFETY

Lower probability of safety incidents in the controlled factory environment.



STREAMLINED APPROVALS

Standards can set clear requirements for modular projects and help facilitate faster approvals.



RELIABLE MODULES

Certified building modules demonstrate conformance with standards and building codes.



CROSS-BORDER WORK

Standard requirements help manufacturers and constructors work consistently across different jurisdictions.



LESS WASTE AND SITE DISRUPTIONS

Modular construction can reduce waste generation, on-site work, noise, and traffic.

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CSA Standards for modular construction

- **CSA A277-16**, *Procedure for certification of prefabricated buildings, modules, and panels*
- **CSA Z250:21**, *Process for delivery of volumetric modular buildings*
- **CSA Z252**, *Volumetric modular construction – Guide to compliance and approval processes* (in development)

Who will benefit from these standards?

- Architects, developers
- Municipal planners
- Authorities having jurisdiction
- Manufacturers
- Builders
- Third-party inspection agencies

CSA standards for modular construction can support:

Better understanding of the method

CSA Z250:21 describes the main differences between traditional and modular construction, focusing on the processes and procedures before and after the in-factory portion of construction.

Streamlined approval process

CSA Z250:21 maps the approval process throughout the whole modular project to establish a clear understanding of compliance requirements for factory-constructed buildings (e.g., continuity of assemblies and systems).

Faster project completion

CSA Z250:21 provides a consistent approach to modular construction projects, which can result in smoother and faster inspections, approvals, and shorter project completion times.

Quality assurance

CSA A277-16 specifies a procedure for certifying manufacturers and their products following a plant specific factory quality system and program.

Regulatory uptake/ understanding

CSA Z252 will help regulators understand what can be expected at each stage of the building permit review, off-site and on-site inspections, and approvals.

Online training

The 2-hour online course for building inspectors and other stakeholders will outline the approval process and the differences between modular and traditional construction.

Coming soon

For more information visit csagroup.org/StandardsForModular or contact the Construction and Infrastructure team at construction@csagroup.org

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