

CSA-A277-16 PROCEDURE FOR CERTIFICATION OF PREFABRICATED BUILDINGS, MODULES, AND PANELS

PURPOSE

To recognize the acceptability of CSA-A277-16 "Procedure for certification of prefabricated buildings, modules, and panels".

DISCUSSION

The Alberta Building Code 2014 (ABC 2014) applies the same requirements to site-built and factory-constructed buildings. It may be difficult to determine whether a factory-constructed building complies with the ABC 2014 once it has been delivered to the construction site because many of the wall, roof and floor assemblies are closed in and their components cannot be inspected. CSA A277-16, "Procedure for Certification of Prefabricated Buildings, Modules, and Panels," was developed to address this problem with regard to residential, commercial and industrial buildings.

CSA-A277-08 "Procedure for factory certification of buildings" is the current standard referenced in ABC 2014, and was recently updated to CSA-A277-16.

CSA-A277-16 has updated criteria that is aligned with the requirements of the ABC 2014 and provides greater safety performance than the currently referenced CSA-A277-08 edition.

- CSA-A277-16 includes but is not limited to the following categories: Energy Performance
- Thermal Performance
- Trade-offs related to Thermal Resistance Performance
- Occupancy Classifications
- Part 10 of the ABC

CODE REFERENCE

Division C, Article 2.4.5.1. states:

2.4.5.1. Factory-Built Assemblies

1) Where a component of a *building* is assembled off the *building* site in such a manner that it cannot be reviewed on site, off-site reviews shall be carried out to determine compliance with this Code.

2) Except as provided in Sentence (3), factory-constructed and other off-site-constructed *buildings* that are constructed after 01 May 2015 shall be certified in accordance with CSA A277, "Procedure for Factory Certification of Buildings," by an organization accredited for this purpose by the Standards Council of Canada, to confirm that the *building* complies with the technical requirements, or objectives and functional statements, of this Code.

Unless stated otherwise, all Code references in this STANDATA are to Division B of the Alberta Building Code 2014.

Issue of this STANDATA is authorized by
the Building Administrator

[Original Signed]
Paul Chang



3) Every relocatable industrial camp *building* that is constructed after 01 May 2015 shall be certified by an organization approved for this purpose by the *Chief Building Administrator*, to confirm that the *building* complies with the objectives and functional statements of this Code.

VARIANCE

This variance provides approximately equivalent or greater safety performance with respect to persons and property as that provided for by the Safety Codes Act. Under section 38 of the Safety Codes Act, a written variance may apply to any thing, process or activity to which the Act applies, including any code, standards or body of rules declared in force by this Act. The Act is paramount to the ABC 2014, which is why variances may be issued related to Division C of the ABC 2014.

Certification in conformance with CSA A277-16, "Procedure for Certification of Prefabricated Buildings, Modules, and Panels," is considered to comply with ABC 2014 Division C, Article 2.4.5.1. Factory-Built Assemblies.

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This VARIANCE is applicable throughout the province of Alberta.