

FACTORY CONSTRUCTED BUILDINGS AND STRUCTURES

Class: Permanent Engineered Structures

Customer: Modus Structures Inc.
Location: Crossfield, Alberta

Listing No. REC623-5
Effective Date: March 25, 2015
Last Revised: January 15, 2018
Expires: N/A

Standard: CSA A277 "Procedure for Certification of Prefabricated Buildings, Modules, and Panels"
CSA C22.1 "Canadian Electrical Code, Part 1, Safety Standard for Electrical Installation"
CSA B149.1 "Natural Gas and Propane Installation Code"
Alberta Building Code
National Building Code of Canada
National Plumbing Code of Canada

Product: Factory Built Permanent Engineered Modular Structures

Label: Products are labelled and marked in a permanent manner where it is readily visible after installation with the following information:

Specification Nameplate (Item 1096)

- Black Lettering on White Background
Size: 8 ½ inches by 11 inches.
The specification nameplate is located in close proximity to the electrical panel board and includes:
- Manufacturer's name and address
 - Model and serial number
 - Date of manufacture
 - Fuel type
 - Complete electrical rating
 - A list of appliances that are factory installed
 - Ground snow load and roof design snow load
 - Thermal resistance of insulation and the outside design temperature used in heat-loss calculations
 - The building codes met by the building
 - Additional markings as may be required

QAI label with 'c' identifier (Item 1097)

Black lettering with Silver Background.
The QAI label is usually located in close proximity to the electrical panel board.

Models:

Structures are:

Permanent engineered modular structures under Part 3, 4, 5, 6 of the National Building Code of Canada and Alberta Building Code. These permanent modular structures are classified under Group F-Division 3, comprised of single or multiple modules in single storey configurations. Structures included in this listing require considerations from parts of the building code outside of Part 9 with respect to structural, fire safety, and mechanical systems.

Structural:

Structurally Insulated Panels for floors, walls, and ceilings (All three assemblies are certified by QAI Laboratories Ltd.)

Electrical System:

120/240V, 60Hz, 100A max.

Plumbing System:

Conventional drainage and vent systems to a maximum of 240 hydraulic fixture units.

Heating / Ventilation:

Units may be equipped with central gas furnace and electric air conditioning units.

Fire Alarm System:

Units may be installed with a fire alarm system. This certification does not cover operation of the fire alarm system which is required to be tested and approved on site by a qualified technician.

Structures included in this listing are permanent engineered structures classified under Group F, Division 3 such as telecommunication storage modules. Modules are manufactured at a central facility and transported to the site location. These modules, when completely assembled on site, are equipped with normal facilities for connection to municipal water, gas, and electrical services. QAI certification covers the construction of the modules and any factory installed electrical, plumbing, and gas services, and is intended to obviate the necessity of further inspections by the local regulatory authorities except for site connections to services or to other modules and for site mounting features.

Structures covered in this scope do not include commercial/industrial units, apartment buildings, hotels, motels, detention facilities, dwelling units, or any other type of buildings for use of hazardous locations.

The design of structures included in this listing require considerations from parts of the building code outside of Part 9 with respect to structural design, fire safety, and mechanical design systems.

The design and operation of the complete fire alarm system and sprinkler system, if provided, is not included in this listing. This listing does not include vehicular lighting or break wiring systems for transportation of the structures.



The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI.

No warrantee is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing.

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Questions regarding this listing may be directed to info@qai.org. Please include the listing number in the request.
