

FACTORY BUILT STRUCTURES LISTING PROGRAM

Customer: Modus Structures Inc.
Class: Relocatable Commercial Industrial Structure
Location: Crossfield, Alberta
Website: www.modusinc.ca

Listing No. REC623-2
Report No. REC623-2, Edition 2
Project No. REC623-2, Edition 2
Effective Date: March 25, 2015
Last Revised November 10, 2016
Date:
Expires: N/A

Standards: CSA A277 "Procedure for Factory 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

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

1. The specification nameplate (item 1068, white with black, 8-1/2" x 14") is located in close proximity to the electrical panel and includes:

- Manufacturer's Name and Address
- Date of Manufacture
- Model Serial Number or Product Code
- Foundation Type (Perimeter Foundation Wall or Piers)
- Floor live Load
- Specified Snow Load (1/50)
- Seismic Response $S_a(0.2)$
- Hourly Wind Pressure (1/50)
- Envelope Effective Thermal Resistance
- Windows/Doors/Skylights Thermal Characteristics
- Outside Design Temperature (Heat Loss or Heat Gain)
- Factory Installed Appliances
- Site Installed Components, Assemblies, and Systems

- Electrical Systems Voltage, Frequency, and Amperage
- QAI Logo shown here:



2. 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 / Ratings: 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 the following occupancy groups:

- Group A-Division 2
- Group F-Division 3
- Group D

For a full list of structures covered under the above occupancy groups please refer to Appendix A, Division B of the National Building Code of Canada or the Alberta Building Code.

Structures included in this listing are manufactured in single or multiple modules up to a maximum of 2-storey configurations.

The design of each discipline: structural, architectural, mechanical, and electrical, require review and approval by registered professionals registered in the province where the units are intended to be installed. The registered professionals are responsible for completing the letters of assurances - Schedules A & B (during permit process) and schedules C-Bs (after completion of the project).

Structural:

- Structurally Insulated Panels for floors, walls, and ceilings (All three assemblies are certified by QAI Laboratories Ltd. under listing B1038-1)
- Structural Steel with Integrated Insulation Panel (IIP) as the envelope. (The IIP assembly is certified by QAI Laboratories Ltd. under listing B1038-2)

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.

Sprinkler and Fire Alarm Systems:

The certification covers factory installed portions of the fire alarm and sprinkler systems. The design of the fire alarm and sprinkler system must be designed by a professional engineer registered in the province in which the building is intended. Installation and commissioning of the fire alarm and sprinkler system must be completed on site by qualified technicians as per the requirements of the Authority Having Jurisdiction.

Structures included in this listing are permanent engineered structures 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.

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. Visit the QAI Online Listing Directory located at www.qai.org for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to info@qai.org. Please include the listing number in the request.
