

FACTORY BUILT STRUCTURES LISTING PROGRAM

Customer: Modus Structures Inc.
Class: Permanent Engineered Structures Group D
Location: Crossfield, Alberta, Canada
Website: www.modus.ca

Listing No. REC623-6

Report No. REC623-6, Edition 2
Effective Date: March 25, 2015
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Date:
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Standards: CSA A-277-16 Procedure for Certification of Prefabricated Buildings,
Modules and Panels;
BC Building Code;
BC Plumbing Code;
CAN/CSA-B149.1 "Natural Gas and Propane Installation Code;
CSA C22.1 "Canadian Electrical Code, Part 1;
National Building Code of Canada;
National Plumbing Code of Canada;
Alberta Building Code

Product: Factory Built Permanent Engineered Modular Structures (Group D)

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

1. The QAI Label (item 1097) is normally located in close proximity to the electrical panel and includes:
 - Certification label Serial Number
 - QAI certification logo with the "C" identifier
 - "Permanent Engineered Structures"



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

- Manufacturer's Name and Address
- Date of Manufacture
- Model Serial Number of 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)
- Building 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

Other Markings as required by the relevant Codes.

Note: the QAI label and specification nameplate are available from QAI and must be applied in the factory.

Models: Permanent engineered modular structures under Part 3, 4, 5, 6 of the National Building Code of Canada, Alberta Building Code and British Columbia Building Code. These permanent modular structures are classified under the following occupancy group:

- 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, Alberta Building Code or British Columbia 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 CBs (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).
- Conventional Wood Frame Construction.

Electrical Ratings:

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

Heating/Ventilation:

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

Plumbing:

Conventional Drainage and venting systems to a maximum of 240 hydraulic fixture units.

Gas System:

Units may be equipped with central gas furnace

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.

Notes:

Modular buildings included in this listing are manufactured at a central facility and transported to the site. These modules must include provisions for on site interconnections, connection to municipal services (water and sewage) gas and electrical power supply. QAI certification covers the construction of the modular homes including any factory installed plumbing and electrical services, appliances, equipment and fixtures. QAI certification is intended to obviate the necessity of further inspection by the local regulatory authorities except for site connections to services or to other modules and for site installed features.

Site installation of products must be done according to manufacturer's installation instructions and in compliance with the requirements set by the local authority having jurisdiction.

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.