

## **FACTORY CONSTRUCTED BUILDINGS AND STRUCTURES LISTING PROGRAM**

Customer: RCM Modulaire Inc.  
Class: Business Commercial Industrial Structures  
Location: Saint-Benoît-Labre, Quebec  
Website: [www.rcmmodulaire.com](http://www.rcmmodulaire.com)

Listing No. REC813-1  
Project No. REC813-1, Edition 2

Effective Date: August 16, 2023  
Last Revised Date: November 27, 2023  
Expires: N/A

Standards: CSA A277 "Procedure for Certification of Prefabricated Buildings, Modules, and Panels"

Part 9 of National Building Code of Canada (NBC)

National Plumbing Code of Canada

CSA C22.1 Canadian Electrical Code, Part I, "Safety Standard for Electrical Installations"

CSA B149.1-15 "Natural Gas and Propane Installation Code"

Part 9 of Quebec Construction Code, Chapter I – Building (NBC with Quebec amendments) (QCC-B)

CSA C22.10 Quebec Construction Code, Chapter V – Electricity (Canadian Electrical Code, Part I, "Safety Standard for Electrical Installations" with Quebec amendments)

Part 9 of Ontario Building Code (OBC)

Part 7 (Plumbing) of Ontario Building Code

Ontario Electrical Safety Code (CSA C22.1 Canadian Electrical Code, Part I, "Safety Standard for Electrical Installations" with Ontario amendments)

*Note 1: Unless otherwise specified, the Standards and Codes noted are the most current versions in effect.*

*Note 2: Various provinces and territories have amendments to the national building code, jurisdictions may require structures to comply with provincial/municipal codes in lieu of the national building codes, the local AHJ should be consulted on the applicable requirements.*

Product: Factory Built Business Commercial Industrial Structures

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

1. QAI label with 'C' identifier (item 1096 – black lettering with silver background) is normally located in close proximity to the electrical panel.

QAI logo shown here:



2. The specification nameplate (item 1068, 8-1/2" x 14" in size) is normally 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

3. Other Markings as required by the relevant codes.

Note 3: *The QAI label and specification nameplate are available from QAI and must be applied at the factory.*

Models / Ratings: Factory Built Modular Structures constructed in single or multiple modules in single storey configurations with a building area not exceeding 600 m<sup>2</sup>. This listing includes structures intended to be used under a single Major Occupancy classified as:

- *Group D - Business and Personal Services,*
- *Group E – Mercantile or*
- *Group F2 & F3 – Medium & Low-hazard industrial occupancy*

Structures under this listing typically include units used as business offices, stores or other commercial or industrial buildings. This listing does not include modular or manufactured (mobile) homes, hotels, motels, schools, portable classrooms or any other structure outside the scope of part 9 of NBC. For a full list of structures covered under this occupancy please refer to Notes to Part 3, A-3.1.2.1.(1) Major Occupancy Classification in the NBC, QCC-B or OBC.

Vehicular lighting and brake lighting systems must be provided by the transport company and be in compliance with the requirements of the Authority Having Jurisdiction.

**Structural:**

Conventional Wood Frame Construction within the limitations of Part 9 of NBC, QCC-B or OBC. Structures may be built over structural steel support frame. All welding to be done in a shop certified to the CSA W47.1 "Certification of Companies for Fusion Welding of Steel".

**Electrical Ratings:**

Up to a max. of 347/600V, 60Hz, 1200A, 3-phase and/or 120/240 V, 60Hz, 400A single-phase systems.

**Heating/Ventilation:**

Primarily Central Forced Air Furnaces. Units may be Electric, Natural Gas or LPG Fired. Modules may be equipped with air conditioning and/or hydronic heating.

**Plumbing:**

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

**Gas Systems:**

Structures may be equipped with Natural Gas or LPG Fired appliances and equipment.

**Fire Alarm and Sprinkler Systems:**

None.

Notes: Structures included in this listing are manufactured at a central facility and transported to the site. These modules include provisions for on-site interconnections, connection to municipal services (water and sewage), electrical power and gas/propane supply. QAI certification covers the construction of the structures including any factory installed plumbing, electrical and gas/propane 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](http://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](mailto:info@qai.org). Please include the listing number in the request.

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