



## **FACTORY BUILT STRUCTURES LISTING PROGRAM**

Customer: EnerQuest Technology Solutions Inc.  
Class: Modular Homes  
Location: Harrow, Ontario  
Website: <https://www.enerquestservices.com/>

Listing No. REC798-1  
Report No. REC798-1, Edition 1  
Effective Date: July 25, 2023  
Last Revised July 25, 2023  
Date:  
Expires: N/A

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

Ontario Building Code, Part 9 Housing and Small Buildings

Ontario Building Code, Part 7 Plumbing

Ontario Electrical Safety Code (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.*

Product: Modular Homes

Markings: All markings must be permanent and visible after installation.

1. The QAI label (item 1067, black with gold, 3-1/2" diameter) is normally located in close proximity to the electrical panel and includes:
  - a) Certification label serial number
  - b) The wording "Modular Homes"
  - c) QAI logo shown here:



2. The specification nameplate (item 1068, 8-1/2" x 14" size) is provided to the purchaser and includes:
  - a) Manufacturer's name or trademark



- b) Date of manufacture
- c) Model name or project code
- d) Foundation type (perimeter foundation wall or pier)
- e) Floor live load
- f) Specified snow load (1/50)
- g) Seismic response  $S_a$  (0.2)
- h) Hourly wind pressure (1/50)
- i) Building envelope effective thermal resistance
- j) Windows/doors/skylights thermal characteristics
- k) Outside design temperature (heat loss/heat gain)
- l) Factory installed appliances
- m) Site installed components, assemblies, and systems
- n) Electrical system voltage, frequency, and amperage

3. Other markings as required by the relevant code.

*Note 2: The QAI labels and specification nameplate are available from QAI and must be applied at the factory.*

Models / Ratings: Single or multi-family dwellings classified under one major occupancy (*Group C – Residential*), constructed in single or multiple modules one storey configurations. Modular homes under this scope have a building area not exceeding 600m<sup>2</sup>.

Multi-residential buildings are designed and constructed within the limitations of Part 9 with vertical fire and sound separations (except structural aspects). This listing does not include multi-residential buildings requiring horizontal fire and sound separation or shared egress facilities, hotels and motels, and/or any buildings designed with multiple major occupancies.

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 Ontario Building Code.

**Structural:**

Steel Frame Construction designed under Part 4 by a Professional Engineer. The manufacturer of steel building systems shall be certified in accordance with the requirements of CSA A660 "Certification of Manufacturers of Steel Building Systems". Steel building systems made of welded steel is completed by a factory certified in accordance with the requirements of CSA W47.1 "Certification of Companies for Fusion Welding of Steel".

**Electrical Ratings:**

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

**Heating/Ventilation:**



Ductless split A/C and Energy Recovery Ventilator. Systems may be equipped with electrical baseboard heaters.

**Plumbing:**

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

**Gas Systems:**

None

Notes: Modular Homes included in this listing are manufactured at a central facility and transported to the site. These modules must include provisions for onsite interconnections, connection to municipal services (water and sewage) and electrical power supply. QAI certification covers the construction of 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](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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