

## **FACTORY BUILT STRUCTURES LISTING PROGRAM**

Customer: Muchalat Construction Ltd.  
Class: Permanent Engineered Structures, Group C  
Location: Courtenay BC, Canada  
Website: [www.muchalatgroup.com](http://www.muchalatgroup.com)

Listing No. REC613-8  
Project No. REC613-8, Edition 2

Effective Date: October 1, 2018  
Last Revised: June 6, 2022  
Date:  
Expires: N/A

Standards: CSA A277 "Procedure for certification of prefabricated buildings, modules, and panels",  
BC Building Code (Parts 3, 4, 5, and 6),  
BC Plumbing Code, and  
CSA C22.1 "Canadian Electrical Code, Part 1"

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

Product: Permanent Engineered Structures, Group C - Residential

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

1. The QAI label (Item 1097 – 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, 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)
  - Building Envelope Effective Thermal Resistance
  - Windows/Doors/Skylights Thermal Characteristics
  - Outside Design Temperature (Heat Loss/Heat Gain)
  - Factory Installed Appliances
  - Site Installed Components, Assemblies, and Systems
  - Electrical System Voltage, Frequency, Amperage
  
3. Other Markings as required by the relevant Codes.

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

Models / Ratings: Permanent Engineered Modular Structures built under Parts 3, 4, 5, and 6 of the British Columbia Building Code. These permanent modular structures are intended to be used under a single Major Occupancy classified as Group C – Residential. Structures included in this listing are manufactured in single or multiple modules and will be installed on site under permit from the local Authority Having Jurisdiction.

For a full list of structures covered under the above Occupancy Classification, please refer to Division B, Notes to Part 3, A-3.1.2.1.(1) Major Occupancy Classification in the British Columbia Building Code.

The Design of each discipline; Architectural, Structural, Mechanical, Electrical and Fire Suppression/Alarm systems require review and approval by Registered Professionals licensed to practice in the province where the units are destined to be installed.

**Structural:**

Conventional Wood Frame Construction designed in Part 4 by Professional Engineer.

**Electrical:**

120/208V, 60Hz, 400A max

**Heating and Ventilation:**

Suites are equipped with Heat Pump and Fan Coil systems, electric baseboards and ERV.

**Plumbing:**

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

**Gas Systems:**

None

**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 completed by a professional engineer registered in the province in which the building is located. 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: 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, sewer, and electrical services. QAI certification covers the construction of the modules, and any factory installed electrical and plumbing 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](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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