

FACTORY CONSTRUCTED BUILDINGS AND STRUCTURES LISTING PROGRAM

Customer: Muchalat Construction Ltd.
Class: Permanent Engineered Modular Structures
Location: Courtenay, British Columbia
Website: www.muchalatgroup.com

Listing No. REC613-7
Project No. REC613-7, Edition 3
Effective Date: September 12, 2017
Last Revised Date: May 24, 2023
Expires: N/A

Standards: CSA A277 "Procedure for Certification of Prefabricated Buildings, Modules, and Panels"
British Columbia Building Code
British Columbia Plumbing Code
CSA C22.1 Canadian Electrical Code Part I, "Safety Standard for Electrical Installations"

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

Product: Factory Built Permanent Engineered Modular Structures

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

1. QAI label with 'C' identifier (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, 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.

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

Models / Ratings: Permanent Engineered Modular Structures under Parts 3, 4, 5 and 6 of the British Columbia Building Code. These structures are intended to be used for a single Major Occupancy classified as *Group A, Division 2 – Assembly*.

Structures included in this listing are classrooms manufactured in single or multiple modules in single storey configurations.

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

Structural:

Conventional wood frame construction.

Electrical Ratings:

120/240 V, 60Hz, 225A max.

120/208 V, 60Hz, 100A max.

Heating/Ventilation:

Modular classrooms may be equipped with central forced-air electrical furnaces. Modules may be equipped with air conditioning.

Plumbing:

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

Sprinkler and Fire Alarm Systems:

This certification covers factory installed portions of the fire alarm systems. This certification does not cover completion of the sprinkler and fire alarm systems on site.

The design of the sprinkler and fire alarm systems must be approved by a professional engineer registered in the province in which the building is intended to be installed. Installation and commissioning of these systems must be completed on site by qualified technicians as per the requirements of the local authority having jurisdiction.

Gas 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) and electrical power supply. QAI certification covers the construction of the structures including any factory installed plumbing and electrical services, 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.
