

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

Customer: Grandeur Housing Ltd.  
Class: Permanent Engineered Structures  
Location: Winkler, Manitoba  
Website: [www.grandeurhousing.com](http://www.grandeurhousing.com)

Listing No. REC573-5  
Project No. REC573-5, Edition 5  
Effective Date: November 27, 2014  
Last Revised: April 24, 2019  
Expires: N/A

Standard: CSA A277 "Procedure for Factory Certification of Prefabricated Buildings, Modules, and Panels"  
CSA C22.1 "Canadian Electrical Code, Part 1, Safety Standard for Electrical Installation"  
National Building Code of Canada  
National Plumbing Code of Canada

Note: Codes above as amended by the Province of Manitoba.

Product: Factory Built Permanent Engineered Modular Structures

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

QAI compliance label (Item 1097, black lettering with silver background) is located in close proximity to the electrical panel.

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

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- 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
  - QAI logo shown here:



**Models:**

**Structures are:**

Permanent engineered modular structures under Part 3, 4, 5, 6 of the National Building Code. These permanent modular structures are classified under Group C or Group B-Division 3 occupancies comprised of single or multiple modules up to a maximum of 3 storey configurations. Structures included in this listing require considerations from parts of the building code outside of Part 9 with respect to structural, fire safety, and mechanical systems.

**Structural:**

Conventional wood frame construction.

**Electrical System:**

120/240V, 60Hz, 200A max.

**Plumbing System:**

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

**Heating / Ventilation:**

Units are equipped with central electrical heat exchanger.

**Fire Alarm System:**

Units may be installed with a fire alarm system. This certification does not cover operation of the fire alarm system which is required to be tested and approved on site by a qualified technician.

Structures included in this listing typically include multi-residential dwelling units that fall outside the scope of Part 9 and care facilities without treatment such as daycares.

Modules are 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 and electrical services. QAI certification covers the



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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 warranty 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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