



## **FACTORY BUILT STRUCTURES LISTING PROGRAM**

Customer: Northgate Industries Ltd.  
Class: Permanent Engineered Structures  
Location: Edmonton, AB  
Website: www.northgateindustries.com

Listing No. REC696-5  
Project No. REC696-5, Edition 1

Effective Date: July 26, 2021  
Last Revised Date: July 26, 2021  
Expires: NA

Standards: CSA A277-16 "Procedure for certification of prefabricated buildings, modules, and panels",  
CSA C22.1, Canadian Electrical Code, Part 1,  
Alberta Building Code (Parts 3,4,5,6),  
National Plumbing Code of Canada

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

Product: Permanent Engineered Structures

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

1. 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 of Product Code,
  - Foundation Type (Perimeter Foundation Wall or Piers),
  - Floor Live Load,
  - Specified Snow Load (1/50),
  - Seismic Response Sa(0.2),
  - Hourly Wind Pressure (1/50),
  - Envelope Effective Thermal Resistance,
  - Windows/Doors/Skylights Thermal Resistance,
  - Outside Design Temperature (Heat Loss/Heat Gain),
  - Factory Installed Appliances,
  - Site Installed Components, Assemblies, and Systems,
  - Electrical Systems Voltage, Frequency and Amperage

2. QAI Label with 'C' Identifier (item 1097 – Permanent Engineered Structures) is normally located in close proximity to the electrical panel.

QAI logo shown here:



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: Structures are:

Permanent Engineered Modular Structures built under Parts 3,4,5,6 of the Alberta Building Code. These permanent modular structures are classified under Group A2 Occupancy and are comprised of single modules. Structures included in this listing require Professional Design outside of the scope of Part 9 with respect to Architectural, Structural, and Mechanical Systems.

Structures under this listing typically include classroom units intended to be connected to School Buildings on site. This listing does not include structures 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 National Building Code.

Structural:

Engineered Wood Frame or Steel Stud Construction, may contain steel roof joist systems

Electrical System:

120/208V, 100A, 3PH, 60Hz

Plumbing System:

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

Heating/Ventilation:

Units are equipped with Natural Gas fired Air Handler units



Gas System:  
None, connected on site.

Fire Alarm System:  
None.

Notes: Structures included in this listing are manufactured at a central facility and are transported to site. These modules include provisions for on-site interconnections, connection to municipal services (water and sewer), and electrical 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 site installed 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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