

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

Customer: Northplex Ltd.  
Class: Business Commercial Industrial Structures  
Location: Barrhead, Alberta  
Website: Northplex.ca

Listing No. REC654-4  
Report No. REC654-4, Edition 1  
Effective Date: April 3, 2019  
Last Revised Date: April 3, 2019  
Expires: N/A

Standards: CSA A277-16 "Procedure for Factory Certification of Prefabricated Buildings, and Panels"

Alberta Building Code, Part 9

National Plumbing Code of Canada

CSA C22.1 Canadian Electrical Code, Part 1, "Safety Standard for Electrical Installations"

CSA B149.1 "Natural Gas and Propane Installation Code"

Product: Business Commercial Industrial Structures

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

1. QAI label with 'c' identifier (Item 1096) – black lettering with silver background is normally located in close proximity to the electrical panel.

- Certification label serial number
- QAI certification logo with the 'c' identifier
- "Business Commercial Industrial Structures"
- 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:** Structures are used for single Major Occupancy classified as Group D – Business and Personal Services occupancies. Buildings classified under this occupancy are constructed in single or multiple modules in single storey configurations not exceeding 600m<sup>2</sup>.

Structures under this listing typically include units used as business offices or for personal services. This listing does not include structures with multiple Major Occupancies.

For a full list of structures covered under this occupancy please refer to Appendix A, Division B of the National Building Code.

**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:**

Structures may be equipped with a heat recovery ventilator and a gas furnace.

**Gas:** Modules may be equipped with natural gas equipment and appliances.

**Note:** 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, sewage and gas, and electrical power supply. QAI certification covers the construction of the structures including any factory installed plumbing, gas 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](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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