

FACTORY CONSTRUCTED BUILDINGS AND STRUCTURES LISTING PROGRAM

Customer: Clément & Frère Ltée
Class: Business Commercial Industrial Structures
Location: Louiseville, Quebec
Website: www.clementefrere.com

Listing No. REC650-2
Project No. REC650-2, Edition 3
Effective Date: January 13, 2017
Last Revised Date: September 10, 2018
Expires: N/A

Standards: CSA A277-16 "Procedure for Certification of Prefabricated Buildings, Modules, and Panels"
National Building Code of Canada 2010 (Part 9)
National Building Code of Canada 2010 (Part 9) with Quebec Amendments
National Building Code of Canada 2015 (Part 9)
CSA C22.10-10 Canadian Electrical Code, Part I, (21st Edition) "Safety Standard for Electrical Installations" with Quebec amendments
CSA C22.1-15 Canadian Electrical Code, Part I "Safety Standard for Electrical Installations" (23rd Edition)
National Plumbing Code of Canada 2015

Note: Standards above as amended by Quebec, New Brunswick, Nova Scotia and Newfoundland and Labrador. Jurisdictions may require structures to comply with provincial/municipal codes in lieu of the national codes.

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.

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

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: Factory Built Modular Structures constructed in single or multiple modules in single storey configurations with a building area not exceed 600 m². These buildings are not intended for general public access.

This listing includes structures intended to be used under a single Major Occupancy classified as:

- *Group D - Business and Personal Services* or
- *Group F Division 3 - Low Hazard Industrial*

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

Structural:

Conventional Wood Frame Construction within the limitations of Part 9 of the National Building Code.

Electrical Ratings:

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

Heating/Ventilation:

Exterior wall mounted forced air furnaces and air conditioning (electric only). Systems may be equipped with electrical baseboard heaters.

Plumbing:

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

Gas Systems:

None.

Sprinkler, Fire Suppression and Fire Alarm Systems:

This certification does not cover completion of the sprinkler, fire suppression and fire alarm systems.

The design of the sprinkler, fire suppression and fire alarm systems must be designed 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.

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 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 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.
