



## **FACTORY BUILT STRUCTURES LISTING PROGRAM**

Customer: PT Wasco Engineering Indonesia  
Class: Permanent Engineered Structures  
Location: Batam, Indonesia  
Website: <https://www.wascoenergy.com>

Listing No. REC814-1  
Report No. REC814-1, Edition 1  
Effective Date: September 1, 2025  
Last Revised September 1, 2025  
Date:  
Expires: N/A

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

British Columbia Building Code 2018 (Part 3, 4 and Part 5)

Canadian Electrical Code 2021, Part I, "Safety Standard for Electrical Installations"

*Note 1: Unless otherwise specified, the Standards and 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 QAI label (item 1097, black letter with silver background) is normally located in close proximity to the electrical panel and includes:
  - a) Certification label serial number
  - b) The wording "Permanent Engineered Structures"
  - c) QAI logo shown here:



2. The specification nameplate (item 1068, 8-1/2" x 14" size) is provided to the purchaser and includes:
  - a) Manufacturer's name or trademark
  - b) Date of manufacture
  - c) Model name or project code



- d) Foundation type (perimeter foundation wall or pier)
- e) Floor live load
- f) Specified snow load (1/50)
- g) Seismic response  $S_a$  (0.2)
- h) Hourly wind pressure (1/50)
- i) Building envelope effective thermal resistance
- j) Windows/doors/skylights thermal characteristics
- k) Outside design temperature (heat loss/heat gain)
- l) Factory installed appliances
- m) Site installed components, assemblies, and systems
- n) Electrical system voltage, frequency, and amperage

3. Other markings as required by the relevant code.

*Note 2: The QAI labels and specification nameplate are available from QAI and must be applied at the factory.*

Models / Ratings: Factory Constructed Engineered Structures built under Parts 3, 4, 5 of the BC Building Code. Structures are used for single Major Occupancy classified as Group F, Division 2 – Medium Hazard Industrial Occupancies, constructed in single modules in single storey configurations. Structures classified in this occupancy are not intended for general public access.

Structures are designed and constructed within the limitations of Parts 3, 4 and Part 5 of the applicable building code. This covers only the structural and building envelope of the building.

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 British Columbia Building Code.

**Structural:**

Steel frame construction designed under Part 4 by a professional engineer. The manufacturer of steel building systems is certified in accordance with the requirements of CSA A660 “Certification of Manufacturers of Steel Building Systems”. Steel building systems made of welded steel is completed by a factory certified in accordance with the requirements of CSA W47.1 “Certification of Companies for Fusion Welding of Steel”.

**Electrical Ratings:**

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

**Heating/Ventilation:**

Structures may be equipped with air conditioners.

**Plumbing:**

None



**Gas Systems:**

None

**Fire Alarm & Fire Suppression Systems:**

This certification covers factory installed portions of the fire alarm and suppression systems. The design of the fire alarm and suppression systems is approved by a professional engineer registered in the province where the buildings are intended to be installed. Installation and commissioning of the systems must be completed on site by qualified technicians as per the requirements of the local Authority Having Jurisdiction. This certification does not cover completion of the fire alarm and fire suppression systems on site.

Notes: Structures included in this listing are manufactured at a central facility and transported to the site. These modules must include provisions for onsite interconnections, connection to electrical power supply. QAI certification covers the construction of modules including any factory installed electrical services, and equipment. 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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