

#### MODULAR HOUSING ASSOCIATION PRAIRIE PROVINCES MODULAR-BUILT SINGLE FAMILY AND MULTI-FAMILY HOMES AND BUILDINGS



#### CERTIFICATION PROCESS FOR MODULAR BUILDERS IN ALBERTA Every MHA member modular builder must have a quality assurance (QA) program in place that meets the requirements of the CSA standard A277-01 which is the Procedure for Certification of Factory–Built

 The Quality Assurance (QA) program includes a check of the design process ensuring that it meets the technical requirements for the various codes and standards.

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- In order to be certified nationally, the modular builder must request a quotation to a national certification agency {CSA, Intertek or Quality Auditing Institute (QAI)}.
- The certification agency will issue an application once the application is activated, a site visit to audit the QA program and inspect the building during the rough in stage of the electrical and plumbing. A findings letter is then issued to the builder including further compliance actions required if necessary, and notes if if a written response is required,
- The final inspection of the building is conducted by the certification agency confirming the builder knows and operates within the requirements of the CSA A277-01 standards.
- If the process meets the Quality Assurance (QA) program, the report is completed and a Certificate of Compliance is issued. If not, a follow up inspection and a second finding letter may be sent to the builder, which will also require written response.
- Ongoing follow up inspections are required to continue as a certified builder and to ensure the QA program
  is followed and any newly adopted codes are being met.

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**CERTIFICATION LABEL** Certification to CSA Standards provides for: Certification of the modular builder's quality control program Certification to the codes and standards Auditing of the builder's quality control program (on average, 4 times per year) Inspection of the final product confirming the builder's inspections. The Certification Mark includes: Modular builder's name and address Model Identifier Serial Number Year of Manufacture Ground snow load and design snow load Thermal resistance of insulation and outdoor design temperature for heat loss calculations Factory installed appliances with make, model and energy source Complete electrical rating of circuitry (voltage, frequency, input current). All modular-built homes must meet the stringent standards set by the National Building Code in addition to Provincial Building Codes. Builders and the certification process ensure the applicable standards are met or exceeded. MHA Prairie Provinces - Northern Alberta 4 Economic Development







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#### TYPES OF CONSTRUCTION

• In Alberta, the industry constructs *modular buildings* ranging in form from:

- single family detached
- town homes, duplexes
- specialized multi-family complexes such as seniors residences
- apartment style buildings of up to four stories in height
- a range of low rise non-residential structures for commercial and other applications.

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## PARK MODELS TRAILERS FOR RECREATION

- "Park Model Trailers" are not typically certified to the CSA Z241 standard, are technically not governed by the Alberta Building Code, or any other province-wide regulation.
- However, if a local safety codes officer believes a Park Model Trailer is being used as a dwelling unit on a full-time, long-term basis, then the safety codes officer can require that the Park Model Trailer meet the requirements for a modular home, which means that the Park Model Trailer would have to comply with the CSA A277 standard and meet Part 9 of the ABC.
- Certain municipalities may permit Park Model Trailers, but the municipalities set the guidelines, which would typically be based on the nature of the use of the unit, i.e. at a lake for a limited window of time during the summer.
- Municipalities have the discretion to make the distinction between whether a
  factory-built home has to comply with the ABC modular home requirements,
  or whether the factory-built home can be permitted to serve as a Park Model
  Trailer (i.e. doesn't have to meet the ABC requirements).

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### PARK MODELS FOR RECREATION

- Park Models are available in two different classes: the Park Model Trailer 102 which is built to RV specifications, the CSA Z-240 Standard, or the Park Model Recreational Unit, which is designed for seasonal use, generally in just one location, and built to the CSA Z-241 Standard.
- <u>Park Model Trailer 102</u> Is designed to be towed by a heavy-duty tow vehicle (auto, van, pick-up truck, etc.) but is of restricted size and weight so that it does not require a special highway movement permit. The maximum width when being towed is 2.6 meters (102 inches).
- Designed for infrequent towing, it is **not** fitted with a 12-volt system for fixtures and appliances. Once on site in the set-up mode it must be connected to the local utilities.
- This recreational vehicle is built on a single chassis mounted on wheels. It usually has one or more slide-outs, but when in set-up mode the gross trailer area does not exceed 37.2 sq. meters (400 sq. feet). It conforms to the **CSA Z-240** Standard for RVs.

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# PARK MODEL RECREATIONAL UNIT

- <u>Park Model Recreational Unit</u> It is built on a single chassis mounted on wheels, which may be removed and returned to the factory.
- The unit is designed to facilitate occasional relocation, with living quarters for a temporary residence or seasonal use, and must be connected to those utilities necessary for the operation of installed fixtures and appliances.
- It has a gross floor area, including lofts, not exceeding 50 square meters (approximately 540 sq. feet) in the set-up mode and has a width greater than 2.6 meters (8' 6") in the transit mode.
- Park Model units always require a special tow vehicle and a special permit to move on the road as the width of the unit is greater than 2.6 meters. It conforms to the **CSA Z-241** Standard for RVs.
- NOTE: This definition has been developed by a joint industry task force of manufacturers, dealers, campground owners and the Canadian Standards Association and is the basis for the CSA Z-241 Standard for Park Model Recreational Units.

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#### MODULAR-BUILT RETAIL SALES CENTRES

- Retail Sales Centres are situated throughout the Province and develop relationships with consumers.
- Retail Sales Centres ensure customers receive local support when purchasing a home or building. Sales Centers display a selection of homes in a variety of designs and budgets and can provide assistance with:
  - the selection of interior and exterior design options
  - energy efficiency options
  - land development and site planning can be assisted by the Retailers and Developers
  - provide long term service and warranty using proprietary factory trained service personnel.
- Financing assistance is offered through a selection of financial institutions familiar with Modular building and CMHC's products.
- MHA Retail Sales Centre members must have a provincial business license and provide bonding insurance.
- MHA has developed a standard Home Sales Agreement for the members' use.
- MHA offers a nationally accredited training program specific to the modular building industry as well as other sales training programs.

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MODUL&R-BUILT **RETAIL SALES CENTRES** When a home / building is placed on a site, the local building inspector ensures the home has both AMA and CSA labels. (No other interior inspection is required) Retail Sales Centres occasionally face concerns due to restrictions contained within some municipal land use bylaws. - Zoning Regulations (restrict use of moved in structures) The MHA has developed an Architectural Compatibility Guideline Density • Lot coverage (single level structures use more space) Currently not allowed attached housing and two story within a land lease community. MHA Prairie Provinces - Northern Alberta 14 Economic Development



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- Support when placing the home on a foundation.
- Types of Equipment
  - Tridem dolly
  - Trombone trailer
  - Roller systems
  - Lift systems.
- Safety / Safety record
  - Low incidents of transportation related damage.
- Training
  - Craning
  - Site Protection
  - Rolling
  - Assembly .
- The MHA ensures all US Homes transported into Alberta meet Alberta Transportation requirements.

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