



# Membrane Structures Manufacturers Association

## MSMA Members – Manufacturers and distributors of structures that meet code.

Members of the Membrane Structures Manufacturers Association manufacture and distribute engineered structures that meet code. The membrane-covered frame structure is a system that when based on economics, versatility and ease of installation, makes smart business sense.

These structures are the ideal building solution for the business owner who is looking for a durable, low maintenance, operationally efficient, functional building for a variety of commercial uses.



## MSMA Members and Building Code

Structures manufactured and distributed by MSMA members meet applicable Building Code of Canada, and in particular, meet:

### • Part 4 (Structural Requirements)

Structures meet Limit States design site requirements for snow, wind and seismic loads.

### • Part 3 (Fire Requirements)

The fire performance of a membrane-covered frame structure is unique compared to conventional types of construction. The fire hazard from the structure is comparable or better than that of a non-combustible building.

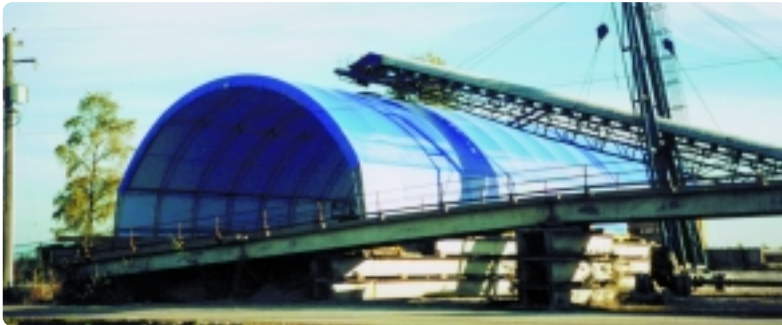
- The membrane-covered frame structure contributes no fuel to the fire.
- The cover of a membrane-framed structure will melt, creating an opening that allows heat and smoke to escape, reducing the energy feedback to the fire. This process acts as a smoke and heat vent providing safe exiting for occupants and prevents building collapse.
- All membranes must meet CAN / ULC S-109 and NFPA 701. They will not ignite and spread the fire across the membrane.



## Flexible Building Designs & Options

The design of a membrane-covered frame structure can accommodate most types of openings and options required.

- Overhead and man doors, windows, ventilation louvers and other large openings can be accommodated using standard products with the addition of a framing package offered by the manufacturer.
- Smaller openings for vents, pipes, chimneys and ducts may not require any special framing package.
- Structures can accommodate mechanical, electrical and fire suppression systems (chimneys, lighting, sprinklers) and a variety of foundation systems.



## Durable, Versatile Structures

### Clear-Span Interior Space

- Structures are a clear-span design with no interior posts or columns providing an unencumbered work area.
- They are available in variety of widths.

### Efficient, Strong and Durable Structures

- Manufacturers back their structures with written warranties.
- Save on electrical costs with a naturally lit structure.
- Block harmful UV rays.
- Structures are a strong, reliable, low-maintenance solution and can be designed for any weather conditions.

### Designed for Quick Installation

- The high quality, pre-manufactured supports and the durable, light weight membrane make installation a quick and uncomplicated process.



For more information on MSMA (Membrane Structure Manufacturers Association) visit [www.msma.ca](http://www.msma.ca) or call your local member listed on the site.

