

Sprung Structures

Local Competitors

The other major membrane players in Eastern Canada are MegaDome, Britespan and Calhoun Super Structures.

MegaDome: www.megadomebuildings.com The MegaDome is a tubular steel truss system, covered by an 18 oz membrane. Guarantee period ranges from 1 – 12 years, prorated. They do not insulate from manufacturing, although some of their resellers may insulate as an afterthought. If insulated, their structures will develop mould and mildew. Most buildings are 60' wide or smaller and they do not have any Arenas, Pool Enclosures or Gymnasiums. Membrane is one giant piece that is pulled over the steel trusses, therefore not tensioned tightly, subject to wear faster and easy to rip.

Britespan Building Systems: www.britespanbuildings.com BriteSpan also uses a tubular steel truss system. Their membrane is thin and translucent. They do not offer insulation from the manufacturer. No known insulated Britespan's exist, although in their previous lives as Coverall they did insulate a few. Ted Reeves Arena in Toronto is an example. This was an outdoor arena they covered and insulated. Ted Reeves management will confirm the building is full of mould and mildew. They will also confirm it is very hard and costly to keep warm and does not have a proper air seal. The guarantee is up to 10 years depending on the product. Membrane is one giant piece that is pulled over the steel trusses, therefore not tensioned tightly, subject to wear faster and easy to rip.

Calhoun Super Structures: www.calhoun.ca Calhoun uses a tubular steel truss system with a thin acrylic membrane. Their website states the membrane should last 15 years and that the steel will start to lose its coating and begins to rust after 15 – 20 years. Membrane is one giant piece that is pulled over the steel trusses, therefore not tensioned tightly, subject to wear faster and easy to rip.

All 3 of the above, and/or their predecessors, have had their structures collapse during storms in our geography.

The Sprung Difference:

- Sprung invented the membrane structure
- Sprung is a patented technology
- Sprung uses aluminum I beams, 8" x 12" which never rust, require no welding spots, and will never corrode. Channels for Sprung's architectural membrane are built into the beams.

- 30 year guarantee on the aluminum and 20 years for the membrane. The anticipated membrane lifespan is 30 years, and is easily replaced at a similar cost to reroofing a commercial building.
- Life expectancy is 60+ years.
- The membrane is individual panels at each arch and tensioned vertically and horizontally. 24 oz. and the strongest in the industry.
- Sprung is the only long term insulation package. Sprung insulates to an R30, uses a double vapor barrier, and thermal caps both inside and out to ensure no leakage.
- LEED credits and certification. The most environmentally friendly pre-engineered structure available.
- 12,000+ structures, 93+ countries, no collapses.

Local Sprungs:

Craigleith Ski Club: Craigleith wanted to cover their patio to add cafeteria table space. In 2002 they leased a customized Sprung. They wanted a 35' wide by 200' long structure attached to their clubhouse, from the peak of the Sprung. (Sprung cut a 70' wide beam in half to meet their needs). ****This structure cannot be compared to a traditional Sprung****

- This was Sprungs old classic technology using a 5" x 8" beam (now 8" x 12")
- No insulation
- No skylight
- Sprungs regular acrylic membrane
- Anchored through a concrete block patio into the earth.

Innisfil Creek Golf Club: In 1999 The Golf club had an immediate need for a clubhouse, but had limited budget. Sprung designed a 30' x 80' structure, complete with skylight. To save funds they choose the standard acrylic membrane, guaranteed for 12 years. The Structure is anchored to earth, and there is no concrete pad. It is non-insulated. They can confirm they have had no issues with it.

Town of Collingwood – Both structures will be built with our new Signature Series technology, developed in 2003. Both will use our 8" x 12" beam, 9 inch thick insulation, and air tight seal. Energy costs will be about 50% of standard conventional construction, and 30% of standard pre-engineered steel buildings. Please see the energy audit completed in 2012. Each will be guaranteed for 30 years and are a lifetime 60+ year building.