



**sprung** Performance Arenas

Let's talk about what's possible for your community.

Let's talk about what's possible  
for your community  
with a Sprung Performance Arena

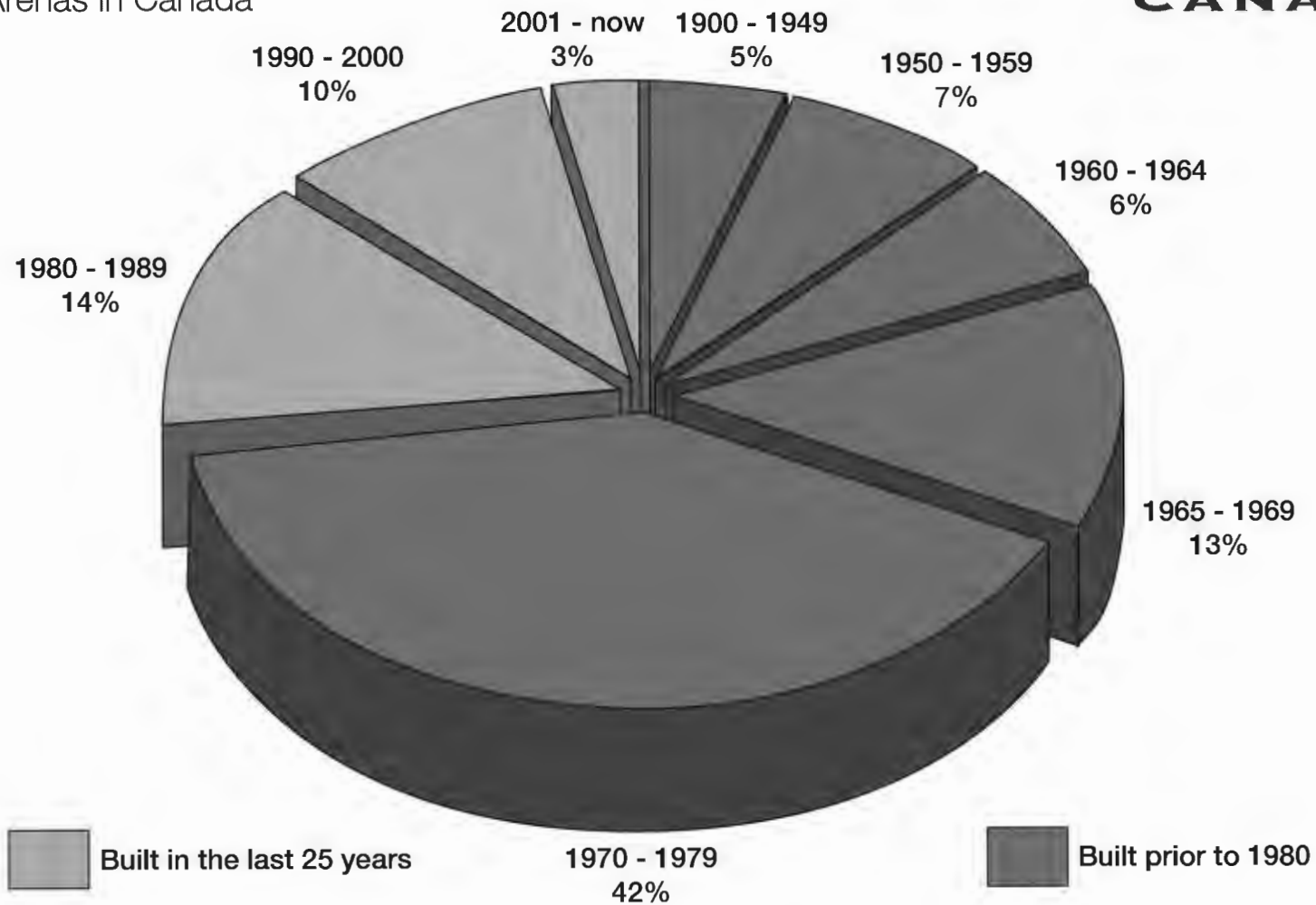


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## Hockey Canada Facility Overview

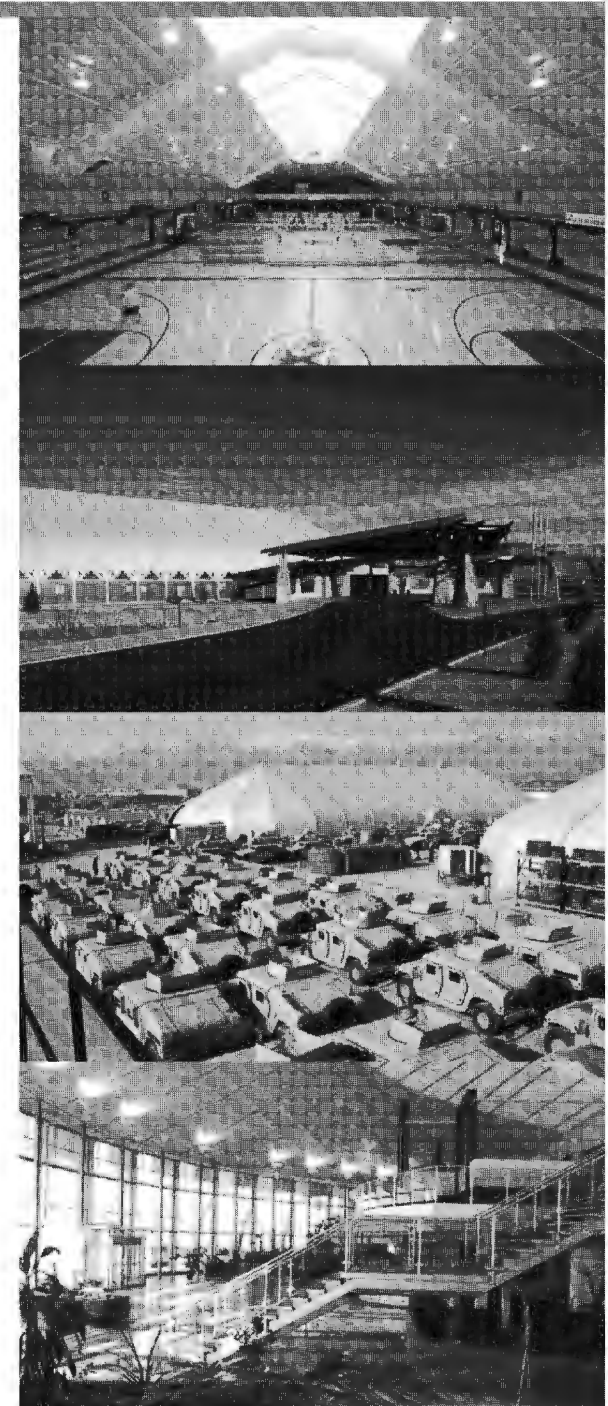
3,500 Arenas in Canada





## About Sprung Structures

- Founded in 1887
- Patented the stressed membrane structure
- Built more than 12,000 structures in 90 countries
- Uses include sports, gaming, worship, education, corrections, military, office space and more
- The Sprung cornerstones:
  - Solutions for your changing needs
  - Commitment to quality
  - Green strategy
  - Passionate about your satisfaction
- Sprung Structures are:
  - Durable
  - Energy efficient
  - Cost effective over the long term
  - Provide a green footprint
  - Safe





## Our Partners



- Performance Recreation Consultants
- Construction Management
- Skilled team of estimators and field managers
- Assists clients with:
  - Budgeting the complete project
  - Pricing the site work
  - Managing subcontracts
  - Quality control
  - Final commissioning of the facility



- Bearden, a Division of GENIVAR
- Engineering and Design
- 30 years expertise in arena design
- Ensures structures constructed quickly
- Assists clients with:
  - Engineering design
  - Planning
  - Structural analysis



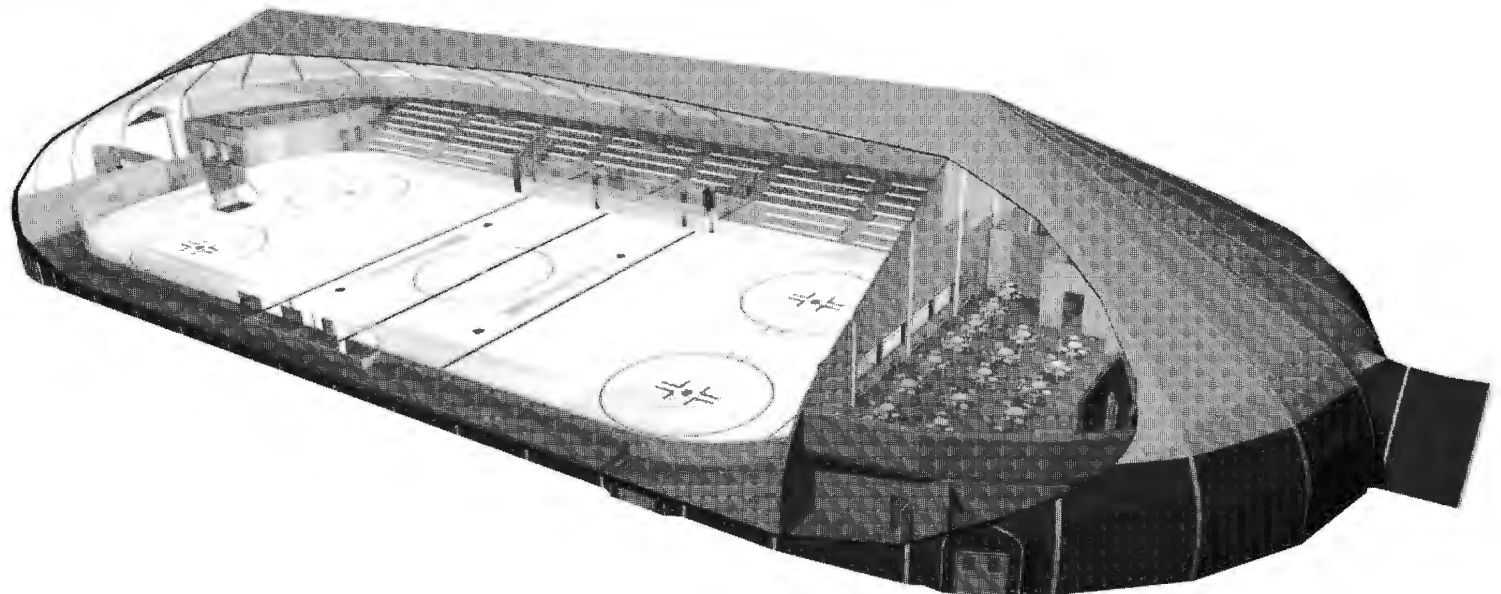
## The Sprung Arena





## The Sprung Performance Arena Cross Section

- A high roof ideal for sports
- Overhead lighting is crisp and energy efficient
- Welcoming, comfortable and high performance environment
- NHL-quality ice surface
- Spectators have ample seating room with unobstructed views
- Corridors and change rooms are accommodating
- Optional mezzanine level provides even greater convenience and comfort





## Aluminum Substructure

- The Sprung Performance Arena offers greater versatility and performance
- Extruded aluminum substructure is prefabricated and ready to assemble
- Aluminum is:
  - Rustproof - unlike steel & wood, aluminum performs extremely well in humid environmental conditions
  - Lightweight - about 1/3 the weight of steel
  - Strong - meets or exceeds most building codes
  - Versatile - can be extruded into virtually any shape
  - Easy to ship - strength-to-weight equals more product, less space
  - Long-lasting - indefinite life expectancy, gets stronger with age
  - Environmental - 100% recyclable with no loss of quality





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## Performance Architectural Membrane

- The Sprung Performance Arena offers durability, cleanability, fire resistance, and colour choice
- Self-cleaning exterior is virtually maintenance-free
- Clean, bright look
- Superior building material:
  - Approx. 24 oz per square yard
  - Guards against UV and airborne contaminants
  - Dramatically extends membrane life
  - Exceptional fire-retardant capability
  - Available in large selection of colours
  - 20-year pro-rated guarantee



CONCORD  
CREAM

BROWNSTONE  
RED

BAYBERRY

DESERT  
SAND

BRIGHT  
WHITE

SALEM  
BLUE

MEDITERRANEAN  
OLIVE

GRANITE  
GRAY





## Insulation

- The Sprung Performance Arena offers naturally better climate control
- Insulation at its proper thickness for maximum performance and comfort
- Johns Manville Formaldehyde-Free Fibreglass Blanket
  - Only formaldehyde-free product in the world
  - Aluminum foil backing for increased overall efficiency
- Three reasons insulation performs better in a Sprung building:
  1. Air tightness of exterior architectural membrane
  2. No differentiation between wall and roof
  3. Thicker insulation increases performance



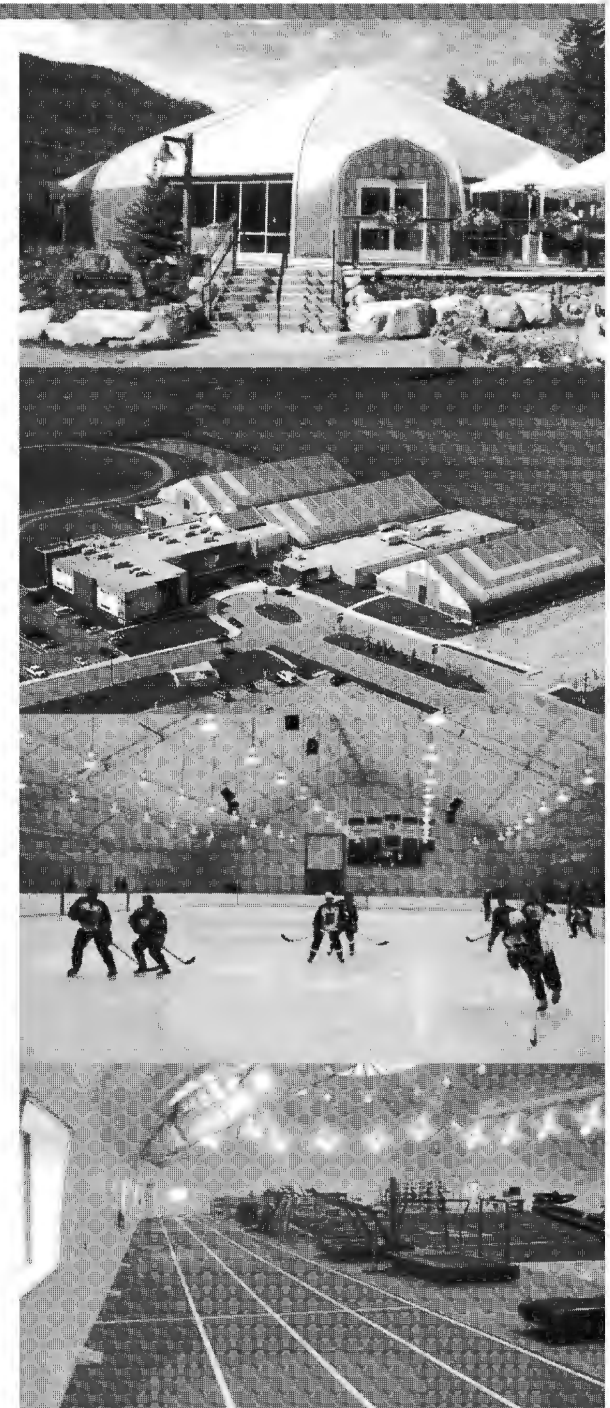


## Sprung Performance Arenas

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### Green Footprint

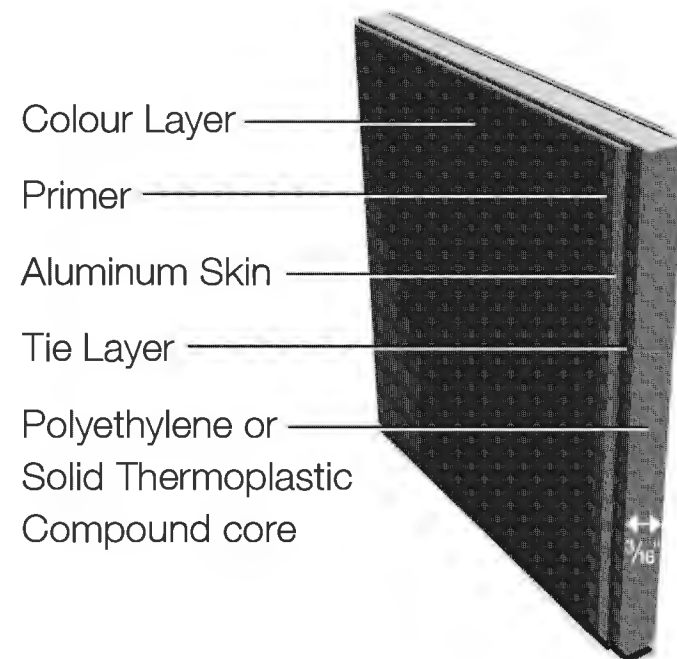
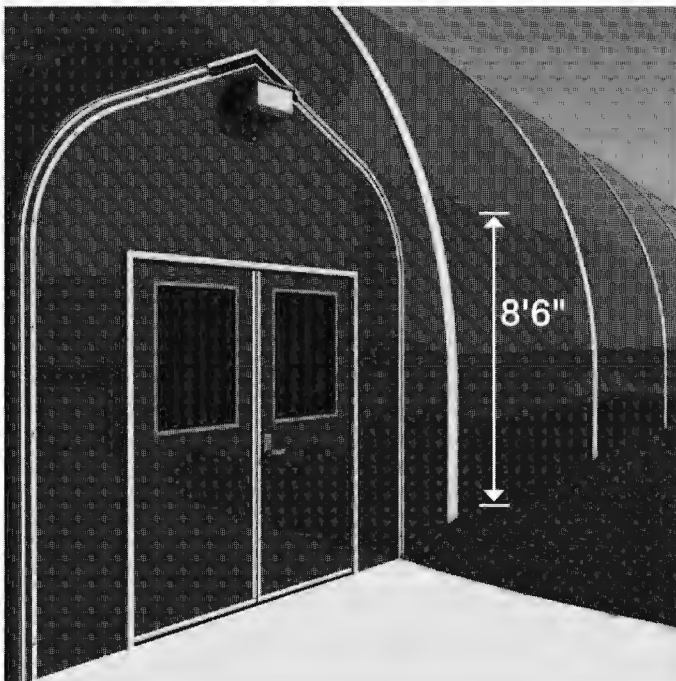
- The Sprung Performance Arena is environmentally friendly by design:
  - Eliminates the substantial construction waste
  - Long lasting: rust-free aluminum substructure is engineered for indefinite life
  - Energy-efficient: exceptionally airtight building envelope with R30 insulation
  - LEED ® Certifiable: recycled content, energy performance, durability, construction waste management and deconstructability.
  - Relocatable: designed to be disassembled, reconfigured, expanded or relocated





## Sprung Shield

- The Sprung Performance Arena includes a virtually non-penetrable defence wall for protection against vandalism
- Multiple protective layers bonded to a hard aluminum skin and solid core
- Rises 8'6" around the entire structure and
- Provides secure peace of mind





## Single Arena

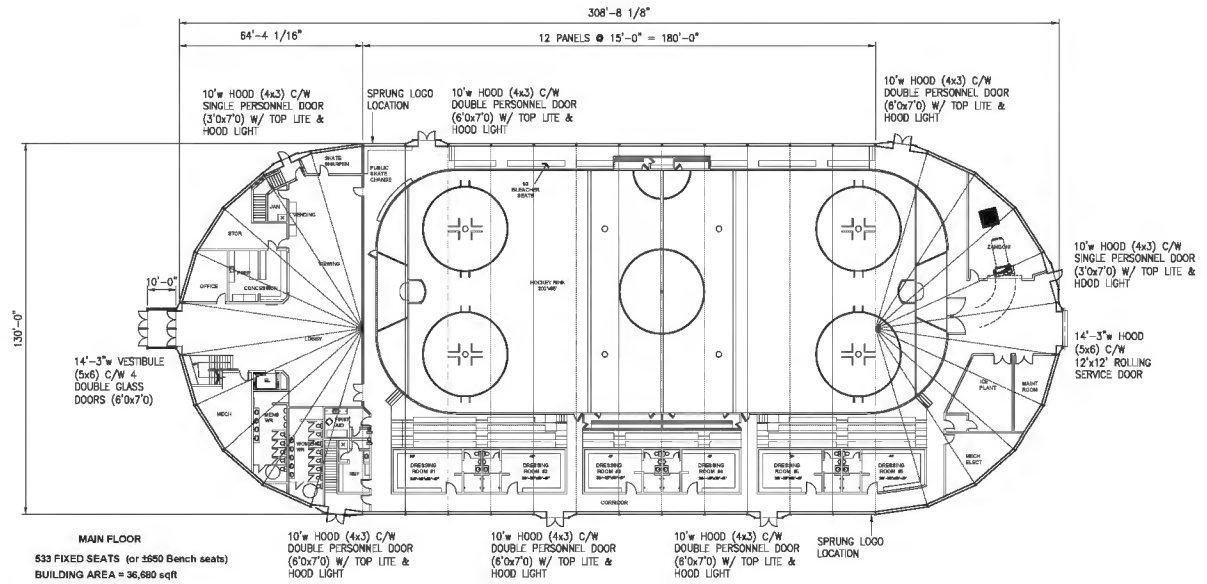




# Sprung Performance Arenas

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## Single Arena

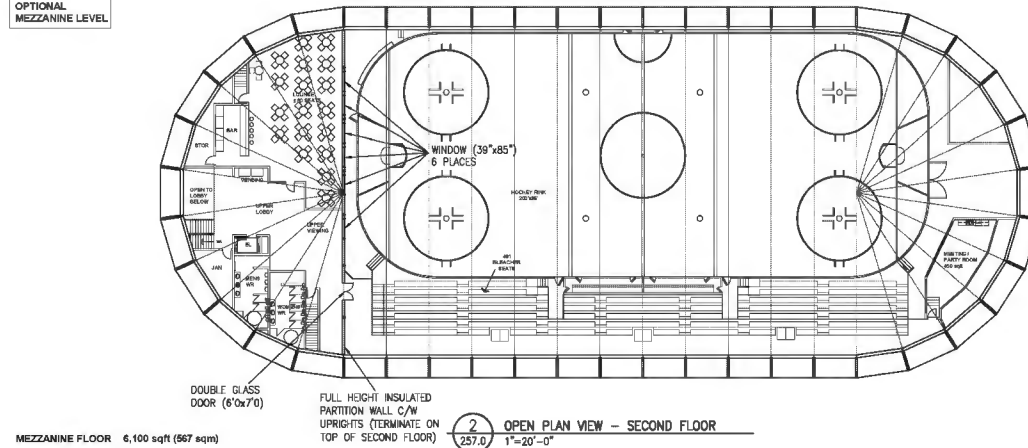


1 OPEN PLAN VIEW  
1"=20'-0"

INTERIOR SHOWN FOR REFERENCE ONLY, FINAL LAYOUT DESIGNED & SUPPLIED BY OTHERS.

## Optional Mezzanine

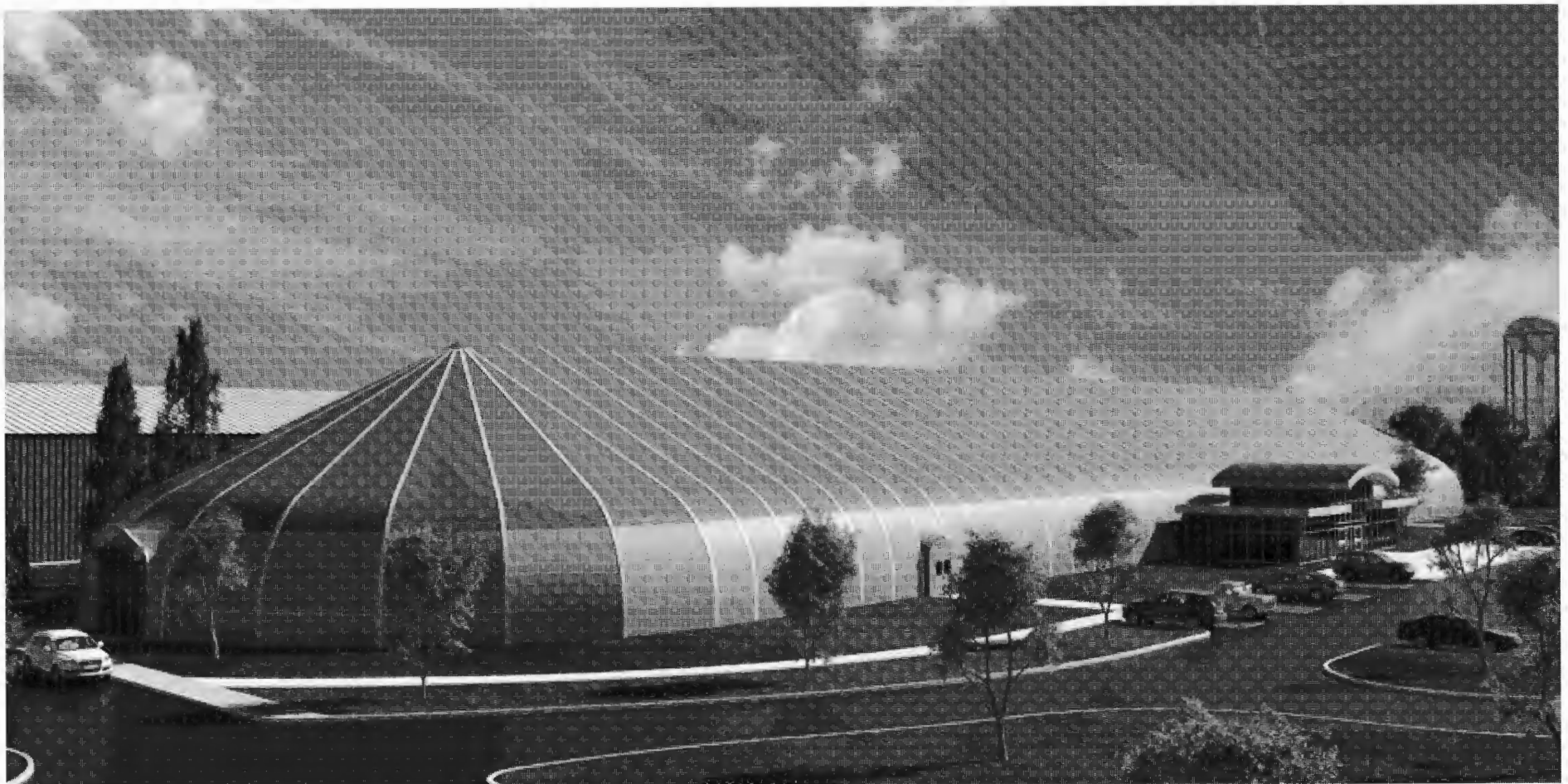
OPTIONAL MEZZANINE LEVEL



2 OPEN PLAN VIEW - SECOND FLOOR  
1"=20'-0"



## Twin Arena







## Oranges vs. Oranges - Compare your options

	Sprung Performance Arena	Pre-Engineered Metal Building	Conventional Construction
Construction	6 months	9 -12 months	More than 12 months
Insulation	Continuous 9-inch thick R30 insulation from ground to peak	6-inch R20 wall squeezed to R14, 6-inch R20 roof squeezed to R11	R20 wall R20 roof
Lighting Levels	The highly tensioned white interior membrane reduces number of light fixtures required	Requires more lighting fixtures	Requires more lighting fixtures
Maintenance Schedule	Aluminum is virtually maintenance-free Self-cleaning exterior architectural membrane Sprung Shield "vandal proof" hard-wall system to 8'6" level	Standing seam metal roof prone to large thermal movements and requires continuous maintenance, especially at penetrations	Regular maintenance is required
Air-tightness	Air Permeability almost 0, which means excellent energy performance	Poor airtightness	Moderate airtightness
Energy Efficiency	Up to 20% energy savings over pre-engineered	Poor energy performance	Moderate energy performance
Lifespan	60+ years	60+ years	60+ years
Price	Single: <\$6 million Twin: <\$12 million	Single: \$8 million+ Twin: \$14 million+	Single: \$8.5 to \$20 million Twin: \$16 to \$22 million





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### HOCKEY CANADA ENDORSES SPRUNG PERFORMANCE ARENAS

Hockey Canada and the Hockey Canada Foundation recognize the need for new arenas across Canada to allow more Canadian children to play our great game of hockey and our desire to allow as many children to play hockey as possible cost effectively. Hockey Canada and the Hockey Canada Foundation are pleased to provide our support and endorsement to the initiative of the Sprung team with its Sprung Performance Arenas.

Quote: "It is with the initiative of private companies like Sprung Instant Structures in the construction of new arenas across Canada that more Canadian children will be able to enjoy playing the game of hockey and continue with our tradition of hockey superiority in Canada" commented Bob Nicholson, President of Hockey Canada.

Bob Nicholson  
President and CEO  
Hockey Canada