

PLAY YEAR-ROUND IN A  
**TENNIS DOME**



**AIR-SUPPORTED  
STRUCTURES**



## Table of Contents

3	The Farley Group Advantage
4	Understanding the Process of Building a Dome
5	Campus Specific Considerations
6	Milton Tennis Dome
7	Marilyn Redvers Tennis Centre
8	Cary Leeds Centre For Tennis & Learning
9	Bear Mountain Resort
10	Jericho Tennis
11	West Vancouver Tennis Club
12	Manhattan Plaza Racquet Club
13	Ajax Community Centre
14	L'Amoureux Park Tennis Centre
15	Vancouver Lawn & Tennis Club
16	Hollyburn Country Club
17	Montgomery TennisPlex
18	Contacting The Farley Group



## The Farley Group Advantage

Since introducing sports domes to North America in 1969, Ralph Farley has set the industry standard for dome quality and aftermarket service. We at The Farley Group believe that – given the financial investment and operational complexity of building an air-supported structure – *who you choose to work with matters*. The Farley Group's expertise, experience and professionalism are unparalleled in the industry. Year after year, we are North America's leading provider of dome construction and aftermarket service.

As a new dome operator, you can rely on The Farley Group to guide you through the unique complexities of planning, building and safely operating a dome. Operators need a trusted partner to be there for them, not just during construction but throughout the dome's twenty-year lifecycle, to answer everyday questions, recommend best operating practices, and in the event of an emergency. As the industry's only dome supplier with a dedicated, in-house service team, we're the long-term partner you can depend on 24/7 for years (and years) to come. As our new dome owners become seasoned industry veterans, they appreciated the critical importance of having a reliable partner in the operation and maintenance of their domes. In fact, because of its focus on long-term client relationships, *The Farley Group has never lost a service client*.

The process of building a dome is complex, but it should not be confusing. We provide absolute, upfront transparency in dome design, building requirements, and project pricing. We believe that an educated buyer is our best buyer.

If you're ready to build your dome, give us a call, and we'll get started. Otherwise, research at your own pace in our digital content library, and when you're ready, reach out to us to discuss how to make your unique dome vision a reality. From design to operation to replacement, when you're part of the Farley family, we've got you covered.

# Understanding the Process of Building a Dome

Air-supported domes (or “bubbles”) are a fast, cost-effective way of enabling year-round play on your campus. Domes create a large and open interior space free from columns or beams. They can be installed permanently or seasonally to adjust for weather.

Farley’s best-in-class domes are specifically designed to withstand extreme weather outside while providing consistent comfort for athletes inside. We use physical insulation between inner and outer fabric layers (not just extra layers of fabric) to achieve an industry leading insulation value of R-10, helping maintain the desired internal temperature while simultaneously reducing operating costs. Remote monitoring, automated controls, and a suite of environmental sensors enable dome operators to ensure the safe operation of domes at all times.

**Partnering with Farley.** With Farley, you can build with confidence – starting with a true understanding of the full complexity of the project. Building a dome requires careful planning and precise execution. Much like traditional construction, the process involves custom design, permitting, concrete foundations, HVAC equipment, electrical work, and use-specific, add-on finishes.

The Farley Group provides everything you need for the dome portion of the project, including:

- Initial planning and design
- The structure’s fabric membrane and physical insulation for an R10 insulation value
- Retention cables, as required, for stability and safety
- All entry and exit components, including all airlocks and emergency exit doors
- HVAC required for inflation and operation
- Automated temperature controls, including a suite of advanced environmental sensors
- Customized, energy efficient LED lighting system
- Interior fixtures such as walkways and dividers
- And - of course - full installation, inflation and setup for turnkey operation of the dome.

**Bringing on a General Contractor.** All dome projects also require a third-party general contractor which is directly hired by the dome owner. Your general contractor will be responsible for all site construction requirements for the dome. Prior to installation, the general contractor will then pour a concrete foundation – called a “grade beam” – around the perimeter of the planned dome. In addition to the dome’s concrete grade beam anchoring system around the dome’s footprint, the general contractor is responsible for the concrete pads for peripheral components and HVAC systems, and all electrical and gas infrastructure.

**Completing the Dome.** Once the construction requirements have been completed and utility services have been commissioned, The Farley Group can then begin the installation process of the dome package. This includes spreading out the dome’s fabric membrane and connecting it to the perimeter anchoring system, inflation and stabilization of the structure, installing the insulation material, interior lighting system, and all peripheral entry and exit components. This process takes only a week or two, depending on the size of dome.

Finally, the general contractor and other specialists can complete add-on features such as the interior surface, exterior landscaping, parking lots or adjoining buildings for reception, locker rooms, restrooms and administrative offices.

Dome development projects can be complicated, but Farley is accustomed to working closely with general contractors and other consultants to ensure the project – from planning to play - is completed smoothly, on-time, and on budget.



## Tennis Specific Considerations

Air-supported domes are ideal for tennis facilities, either as permanent or seasonal installations, to ensure year-round play. Their versatile structure enables efficient use of space, particularly in tight or urban locations where significant development already exists. In the past, The Farley Group has covered tennis courts in a variety of challenging locations, including the top of a multi-story parking structure in the middle of New York City.

Ideally, the concrete foundation (grade beam) of an air-supported dome is included in a tennis facility's original design, even if the dome itself isn't immediately installed. Regardless, installing a dome over existing courts is a relatively straightforward process. A general contractor will simply dig a trench around the perimeter of the courts, typically within existing fencing, and the concrete grade beam is poured to Farley's design. This can be done with minimal impact to the surface of your tennis courts. The electrical and gas infrastructure, as well as peripheral component pads are also installed at this time. Once these requirements are in place, The Farley Group can install and setup the dome for use. From planning to play, the project can be completed within 3 to 4 months on average.

A majority of Farley's tennis projects are for seasonal installations. To accommodate both the dome operator and our own service team, we've designed the ideal system for anchoring a dome to the grade beam. Our unique anchoring system enables the industry's fastest and easiest seasonal installations and takedowns. This limits downtime and provides the tennis facility with significant, yearly cost savings.



## Milton Tennis Dome

Milton, Ontario

252' x 122' x 37'

- Seasonal dome covering 5 hard courts
- Built in 2018 as cost-sharing partnership between Tennis Clubs of Canada (TCC) and Milton's municipal government
- In winter, dome operated by TCC as private club; in summer, outdoor courts operated by municipality for public use
- Hosts wide range of programming, lessons, memberships, and bookings



## **Marilyn Redvers Tennis Centre**

Aurora, Ontario

315' x 126' x 40'

- Permanent dome open 12 months a year
- Built in 2016 by the Marilyn Redvers foundation in a private / public partnership to enhance Aurora's community centre
- Connected to a 3,000 ft<sup>2</sup> clubhouse that includes a lounge, change rooms, bathrooms, reception, and admin offices



## **Cary Leeds Centre for Tennis & Learning**

Bronx, New York

250' x 123' x 40' x2

- 2 seasonal, 5-court domes in the heart of the South Bronx
- Built in 2015 by New York Junior Tennis League in not-for-profit partnership with NYC Department of Parks & Recreation
- Connected to a community centre that includes classrooms and other resources dedicated to teaching tennis to New York City's kids





# BEAR MOUNTAIN RESORT COMMUNITY

## Bear Mountain Tennis Centre

Victoria, British Columbia

221' x 126' x 40'

- Seasonal climate-controlled dome with 4 clay courts
- Built in 2018 by Westin Hotels & Resorts for the exclusive residential community
- Energy-efficient lighting & interior seating





JERICO TENNIS CLUB

## Jericho Tennis Club

Vancouver, British Columbia

229' x 100' x 32'

230' x 106' x 36' x2

- 3 seasonal domes covering a total of 12 courts throughout winter
- Built in 2017 for exclusive tennis community with over 100 years of history
- Unique design fits all 3 domes in a tight urban environment with limited land availability





## West Vancouver Tennis Club

Vancouver, British Columbia  
237' x 114' x 36'

- Permanent dome with 5 tennis courts for year-round play
- Built in 2015 as not-for-profit community club located on municipal land
- Unique green exterior blends into Vancouver's natural environment





## Manhattan Plaza Racquet Club

New York, New York  
231' x 120' x 38'

- Year-round, heated and air conditioned dome with 5 hard courts
- Built in 2010 for luxury private club located two blocks from Times Square
- Unique urban design is located on rooftop of 3 story parking garage
- One of 25 Farley Group domes located in and around New York City





## Ajax Community Centre

Ajax, Ontario  
202' x 118' x 36'

- Seasonal dome with 4 courts dedicated to winter tennis
- 24,000 square feet of climate-controlled space
- Completed in 2016





## L'Amoreaux Park Tennis Centre

Scarborough, Ontario  
257' x 115' x 34'

- Permanent 30,000 dome with 5 tennis courts
- Located in sprawling L'Amoreaux Sports Complex
- Completed in 2018

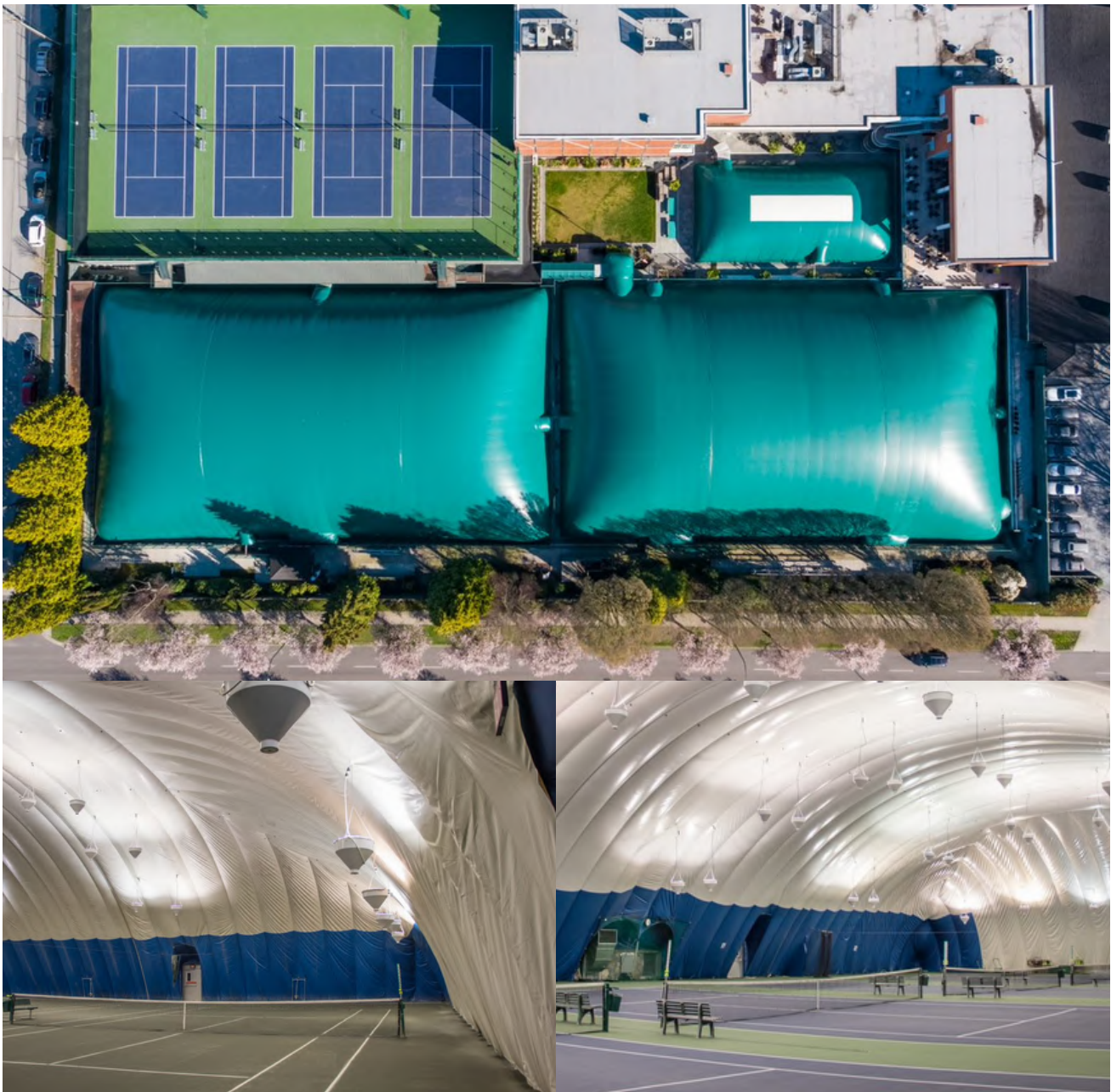




## Vancouver Lawn Tennis & Badminton Club

Vancouver, British Columbia  
207' x 115' x 36'    89' x 45' x 18'  
197' x 117' x 36'

- 3 seasonal domes: 1 clay court tennis dome, 1 hard court tennis dome, & 1 pool dome
- Founded in 1897 with multi-generation legacy of athletes
- Completed in 2006 & 2008





## Hollyburn Country Club

Vancouver, British Columbia  
206' x 123' x 38'

- State-of-the-art sports club with 25 tennis courts, 7 squash courts, 2 swimming pools, fitness facilities, 7 badminton courts, and pickleball courts
- Awarded Canada's Best Tennis Facility by Tennis Canada







## Montgomery TennisPlex

Boyd's, Maryland  
241' x 120' x 38'

- Two permanent, year-round 4-court tennis domes with air conditioning
- Built in the South Germantown Recreation Park in partnership with the municipality





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