

Percy Perry Stadium, City of Coquitlam

Signature Structures wins the Canadian IFAI Award of Excellence and First Place for Percy Perry Stadium. Visit the [IFAI Website](#) for more info.

Background

As a home to many sports clubs, Percy Perry Stadium is a multipurpose facility built for the 1991 B.C. Summer Games. The highlight of the facility features a tensile fabric structure used as a canopy to cover spectators during sporting events. As part of a \$10M expansion and renovation, the city solicited several companies to replace the membrane. It became evident early in the solicitation process that Signature Structures was the most capable company to meet the demands of the city. Signature's experience with a range of frame, membrane and building designs is unsurpassed and gave the city the confidence to make the right decision.

Solution

Signature was contracted to design, manufacture, project manage and install the replacement membrane cover. Not having the original drawings required Signature to reverse engineer the structure to determine design inputs, interpret biaxial test specs, and design a shape that would meet new IBC codes. The existing steel, guy cables and foundations were verified to meet reaction loads of the new membrane. Coordination of the methods and construction process ensured a seamless project without interruption or interference to existing stadium operations. No landscaping or existing infrastructure were impacted during the installation and an aggressive timeline to coincide with other revitalization efforts were met.

Details

The existing fabric removal and new membrane installation took a little over 2 weeks to complete. Signature selected the 31 ounce architectural membrane Ferrari 1202 Fluotop T2 with PVDF topcoat. The Fabric meets all loading requirements and has a field life of 25 years. Double and triple layer reinforcement at critical connection points guarantees the fabric will maintain its shape for many years of service. Custom logos were added to give a personal touch to the stadium that previously did not exist.

Customer Appreciation

We did our due diligence and researched several companies to determine the best firm to revitalize our stadium. SS combination of professionalism, reputation, knowledge and price could not be touched by any other company; and after several interviews, we decided to move forward with SS Team.
- City of Coquitlam -

