



## **A building with gills**

One hundred percent of the 30,000 square foot swimming area is passively conditioned through internal and external air pressure. There is no mechanical assistance. The pool is ventilated by gill-shaped louvers that draw ambient air in and force it out as a natural process of convection.



## Be Positive

Temperature, humidity, rain, wind, are all variables in a series of complex formulas and fluid dynamic simulations. Off-gassing is the most important concern for our pool so, not unlike a residential chimney, positive air pressure forces warm air through the ridge where it is exhausted through the continuous louvers along the roof line.



## **Situate the building**

The pool is oriented on the site to take advantage of the prevailing winds. In the summer, air will blow across the narrow width of the pool from the southeast and from the northwest in the winter.



## Reduced energy consumption

Twenty-three garage doors, six roof panels, continuously open louvers, all contribute to the comfortable environment and drastically reduce costs compared to fully-enclosed natatoriums.



## This “training pool” has a lot to offer

From the pre-engineered steel structure, clad with semi-translucent roof panels, to the concrete shell and ceramic tiles gutters, with two fiberglass 6’ bulkheads, Colorado Time Systems scoreboard and timing, the 75 foot by 213 foot, 930,000 gallon pool will accommodate any competitive and instructional configuration.