

Reference Projects

Indoor Track Penn State University

University Park, PA

Construction Cost: \$16 million

Completion Date: 1999

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When Penn State decided on a state of the art indoor track, Ling Partnership was chosen to design the mechanical, electrical, and plumbing systems for its Intercollegiate Athletics Multi-Sport Facility in collaboration with NBBJ Architects. The joint efforts produced a beautiful facility, which allowed the functional requirements of ventilation to be expressed as the architectural statement.

Housed in its main space, is a state-of-the-art 200-meter track surface. In addition a 50 yard by 60 yard Astroturf field for softball and field hockey training, a weight training facility, batting cage, spectators' bleachers and locker facilities are provided.

Ling Partnership engineers were able to take advantage of the site topography, prevailing wind and the profile of the building to develop a method of natural cross ventilation. Large louvers located on opposite façades of the structure, with Dampers and exhaust fans provide the necessary ventilation rate. Cooling is accomplished without mechanical cooling equipment.

