

Intercollegiate Soccer Stadium



Project Description

Athletics is adding spectator amenities and player support facilities to the competition field for men's and women's intercollegiate soccer. The project involves approximately 20,000 gross square feet of construction, including restrooms and concessions for spectators, a press area, two team locker rooms, and grandstand seating for approximately 1,800 spectators.

Energy Efficiency Measures

- Design building to meet energy efficiency and performance required by ASHRAE/IESNA 90.1-2004.
- Occupancy sensors control lighting.
- Automatic controls for exterior lighting
- High efficiency hot water heaters.
- Boilers are on a reset schedule with respect to outside air temperature to increase their efficiency.
- Roof top units are on an occupancy schedule allowing temperature setting to be dialed back when building is not occupied.
- Thermostats are provided in each room to allow individual controls.
- Automatic sensors control water flow at lavatories.
- Tempered water is provided to lavatories thereby minimizing the use of hot water.

Other Sustainability Features

- Design site sediment and erosion control to best management practices.
- Project is located within 1/4 mile of 2 bus lines.
- Bicycle racks and showers are provided for building occupants.
- No new parking is provided.
- Limit site disturbance to 40' beyond the building perimeter and 5' beyond roadway curbs.
- Provide vegetated open space adjacent to the building that is at minimum equal to the building footprint.
- Post-development storm water peak discharge rate and quantity does not exceed the pre-development peak discharge rate and quantity for the one- and two-year 24-hour design storms.
- Storm water management promotes infiltration and captures and treats the storm water runoff from 90% of the average annual rainfall using acceptable.
- Maximize water efficiency within buildings to reduce the burden on municipal water supply and wastewater systems by using low flow plumbing fixtures and waterless urinals.
- Use building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials, e.g. structural steel, carpet, athletic flooring.

- Use building materials that have been extracted and/or harvested as well as manufactured, within 500 miles of the project site, e.g. brick, structural steel.
- Use wood-based materials and products, which are certified in accordance with the Forest Stewardship Council's (FSC) Principles and Criteria, for wood building components.
- Indoor Air Quality (IAQ) Management Plan for the construction and pre-occupancy phases of the building to reduce IAQ problems resulting from the construction/renovation process.
- Use low VOC emitting adhesives, sealants, paints, coatings, and carpet to reduce indoor air quality problems resulting from the construction/renovation process by.
- Individual lighting controls provided for minimum 90% of the building occupants to enable adjustments to suit individual task needs and preferences.

Project Data

- Budget: \$6M
- Schedule: Completion scheduled for Summer 2010
- Square Feet: 20,000 gsf