

Player Development Center for Intercollegiate Basketball



Project Description

An addition of approximately 57,000 gross square feet to Crisler Arena is proposed. The new facility will house two new basketball practice courts that will provide better scheduling flexibility related to the academic schedules for student athletes as well as offer a complement of services not currently available to the men's and women's intercollegiate basketball teams. The project will include team locker areas, strength and conditioning space, athletic medicine space, and coaching and staff offices.

Energy Efficiency Measures

- Maximum insulation in foundation walls, exterior walls, under slab, and roof assemblies
- Use of increased inspections, including infrared scans during construction to identify missing insulation, gaps in the enclosure, and other wall/roof assembly deficiencies
- Energy efficient windows/glazing for increased thermal performance
- External shading glazing for Hall of Fame curtain wall
- Use of translucent glazing to add daylighting to practice gym
- High efficiency lighting throughout with daylight sensors for spaces with fenestration
- Occupancy sensors to control lighting in offices, bathrooms, corridors, and conference rooms
- Demand control ventilation to reduce mechanical loads to low occupancy and empty spaces
- High efficiency air cooled chiller
- Increase thermostat deadbands (the gap between the heating setpoint and cooling setpoint during which no conditioning is provided)
- Increased exhaust air energy recovery
- Automatic static pressure reset

Other Sustainability Features

- Use of an Erosion and Sedimentation Control Plan during construction to reduce pollution from construction by controlling soil erosion, waterway sedimentation, and airborne dust generation
- Player Development Center constructed on a previously developed site between Crisler Arena and the parking lot (in lieu of a greenfield site)
- Player Development Center sited on public and U-M bus routes, encouraging use of public transit
- No new parking provided on-site (to reduce pollution and land development impacts)
- Use of water conserving plumbing fixtures, including low-flow shower heads low-flow lavatories, and waterless urinals
- Energy efficient transformers
- Use of select sustainable materials (e.g. steel structure, terrazzo flooring)
- Use of low-VOC materials (e.g. carpets, paints)
- Use of regional and local materials where possible (e.g. limestone, brick)

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Project Data

- Budget: \$23.2 M
- Schedule: Completion Scheduled for Fall 2011
- Square Feet: 57,000 gross sq. ft.

Substantially Complete: October 2011

- Project Status: Substantial Completion
- Design Complete: 100%
- Construction Complete: 100%