

# Player Development Center for Intercollegiate Basketball



## Project Description

The Player Development Center for men's and women's varsity basketball will provide approximately 57,000 gross square feet of support space, including two full basketball practice courts, locker rooms for men's and women's players and coaches, training, and hydrotherapy. The second floor will accommodate men's and women's coaching staff and administrative support functions, as well as film-viewing rooms and strength and conditioning space. The building will also provide a new accessible entry to Crisler Arena and a dramatic Hall of Fame at the entry lobby. The thirty-six foot tall glass oval is a dramatic focal point for the public entry and interpretive/historical functions in the Hall of Fame, and provides a distinct, contemporary identity for the basketball program, while drawing on traditional oval forms from Crisler and Michigan Stadium.

## Energy Efficiency Measures

The Player Development Center design focuses on maximizing energy efficiency and incorporates numerous energy conservation measures, including:

- 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 UM 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 (eg steel structure, terrazzo flooring)
- Use of low-VOC materials (eg carpets, paints)
- Use of regional and local materials where possible (eg limestone, brick)

**Project Data**

- Budget: \$23.2M Project Cost
- Schedule: Completion scheduled for Fall 2011
- Square Feet: 57,000 gsf