

Oosterbaan Field House Football Performance Center and Infrastructure Improvements



The approximately 78,000-gross-square-foot Bennie Oosterbaan Field House was constructed in 1980, serves as the indoor playing field for lacrosse, and is also used for indoor practice of a variety of both intercollegiate and intramural and club sports. The Department of Intercollegiate Athletics proposes a project to construct a 32,000-gross-square-foot weight room, including a 5,000-gross-square-foot mezzanine level, within the existing building for strength and conditioning training for the intercollegiate football program. The project will also address infrastructure and life safety needs, including replacement of the existing roof, installation of new fire alarm and suppression systems, and upgrades to the heating, ventilation, air conditioning, and lighting systems throughout the building.

Schembechler Glenn E Hall Football Performance Center



The Department of Intercollegiate Athletics proposes a project to create a performance center at Glenn E. Schembechler Hall for the intercollegiate football program. A renovation of approximately 24,000 gross square feet and construction of additions totaling approximately 8,000 gross square feet (see attached map) is planned that will create state-of-the-art spaces for training, recovery, and nutrition; as well as team meeting rooms, administrative space, and support staff locker areas.

Energy Efficiency Measures

Oosterbaan Field House Football Performance Center:

- Added wall insulation upper (framed) portion of N & S walls to meet ASHRAE 90.1-2007
- Added roof insulation to meet ASHRAE 90.1-2007
- Insulated glazing units in new storefront and roll-up doors
- High efficiency HVAC equipment including energy recovery wheel
- LED light fixtures with occupancy sensors
- High volume / low speed (HVLS) recirculating fans
- Light colored metal roof (minimizes heat gain and heat island effect)

Schembechler Glenn E Hall Football Performance Center:

- The building's design and systems will include a number of energy efficient features that will allow for an estimated 3% energy savings compared with an energy code compliant building as defined in ASHRAE 90.1-2007 Appendix G
- High performance glazing and increased insulation values in exterior wall assemblies for improved thermal performance
- Variable speed compressors allow for peak efficiency in low load conditions and avoid short cycling of equipment
- LED lighting
- Occupancy sensors turn off lights when spaces are unoccupied
- Pool water heating through use of building heating hot water
- Pool water heat recovery through use of heat pump chiller

Other Sustainability Features

Oosterbaan Field House Football Performance Center:

- Renovation and Reuse of existing building (minimizes landfill)
- Construction waste to be diverted from landfill whenever possible
- Designed to reduce water consumption by a minimum of 20% beyond Michigan Plumbing Code per U-M Design Guidelines by utilizing low flow plumbing fixtures.
- Added skylights and glazing to admit more natural light
- Light colored walls and ceilings to maximize ambient light

Schembechler Glenn E Hall Football Performance Center:

- Built on a previously developed site to reduce impact on environment
- Impervious surface area reduction to reduce storm water runoff
- Project site located near public and U-M bus routes to encourage use of public transit
- A 31.8% water consumption savings beyond Michigan Plumbing Code is anticipated ; savings obtained through the use of low flow bathroom fixtures
- Bottle refill station provided on electric water cooler(s) to promote use of reusable water bottles
- Construction and demolition waste to be diverted from landfills when possible
- Use of low-VOC flooring, adhesives and sealants
- Materials and products used to be extracted and manufactured within 500 miles of the project site when possible
- Materials used to contain recycled content when possible

Oosterbaan Field House Football Performance Center and Infrastructure Improvements**Schembechler Glenn E Hall Football Performance Center****Project Data**

- Budget: \$14.8 M
- Schedule: Completion Scheduled for Winter 2019
- Square Feet: 20,000 gross sq. ft. renovation
5,000 gross sq. ft. addition

Substantially Complete: June 2019

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