

OVERVIEW



In 2012 the UMass Football team began a new era as a full member of the Division I Football Bowl Subdivision (FBS) of the NCAA. As part of that new era the University realized that some facility upgrades would be required, since the Football team facilities were spread out in multiple locations on Campus making daily life very inefficient and not very sustainable. In an effort to remedy these inefficiencies, the University is constructing the new Football Performance Center that brings all of its home team program needs together under one roof in a fully accessible building. Some of the program needs being addressed with the new Center include locker rooms, strength & conditioning areas, coach offices, team meeting rooms, equipment storage, and laundry facilities. The new Center provides athletes a state of the art facility to hone their athletic and academic performance, but also provides a new recruiting tool for the coaching staff.

SUSTAINABLE SITES



The Football Performance Center sustainable site features positively impact the UMass campus' built environment in many ways, including:

- Site located within walking distance of a variety of retail establishments and services [Development Density]
- Site located within walking distance of several bus lines. [Access to Public Transportation]
- Bicycle storage and changing facilities
- Parking capacity controlled
- Stormwater management quality control
- Light colored paving materials and an increase in vegetated area reduces heat island effect

WATER EFFICIENCY/ MATERIALS & RESOURCES



Consideration was made in the design and construction of this facility to ensure the responsible use, reuse and recycling of materials and resources, including:

- Native drought-tolerant plantings with no irrigation.
- Water-efficient plumbing fixtures, including 1.5 gpm shower heads
- At least 75% of construction waste diverted from landfill
- At least 20% materials recycled content
- At least 20% materials regionally extracted, processed, and manufactured
- More than 50% FSC wood

ENERGY + ATMOSPHERE/
INDOOR ENVIRONMENTAL QUALITY



UMass Amherst strives to reduce energy use on campus through sustainable design. The team employed many strategies, including:

- High performance building enclosure with 30% glass/ 70% solid wall ratio
- High efficiency MagLev chiller and high efficiency boilers
- Modeled energy use reduction of 30% over ASHRAE 2007
- Measurement and verification of energy use through additional metering tied to BMS

The following measures have been taken to improve indoor air quality:

- Non-smoking campus as of July 1, 2013
- Construction indoor air quality management
- Indoor chemical & pollutant source control
- Controllability of lighting systems – including daylight sensors tied to dimming ballasts for reduction of artificial light levels when sufficient daylight is available.



FOOTBALL PERFORMANCE CENTER

<http://www.umass.edu/sustainability/green-campus/football-performance-center>

CAMPUS PLANNING DIVISION
www.umass.edu/cp/

DESIGN & CONSTRUCTION MANAGEMENT
DIVISION
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FOOTBALL PERFORMANCE CENTER
UNIVERSITY OF MASSACHUSETTS AMHERST



SUSTAINABILITY FEATURES

GREEN BUILDING COMMITTEE
ENVIRONMENTAL PERFORMANCE ADVISORY COMMITTEE
UNIVERSITY OF MASSACHUSETTS AMHERST
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