

WELCOME TO THE BILL R. FOSTER AND FAMILY RECREATION CENTER

Please join us on a walking tour that points out the sustainable features of Missouri State University's Recreation Center. Look for the logos throughout the building and reference the inside of this brochure for a description of the sustainable elements.



USGBC and LEED

U.S. Green Building Council (USGBC) is a 501 c3 non-profit organization committed to a prosperous and sustainable future for our nation through cost-efficient and energy-saving green buildings.

LEED, or Leadership in Energy and Environmental Design, is redefining the way we think about the places where we live, work and learn. As an internationally recognized mark of excellence, LEED provides building owners and operators with a framework for identifying and implementing practical and measurable green building design, construction, operations and maintenance solutions.

LEED certification provides independent, third-party verification that a building, home or community was designed and built using strategies aimed at achieving high performance in key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality.

LEED Certification Level

Missouri State University is seeking silver LEED certification for the Foster Recreation Center.



Bill R. Foster and Family

When students enter the recreation center for the first time, they will find a new place on campus to enjoy a variety of wellness and recreational activities.

"We are very excited about helping to provide this great facility to students, faculty and staff," said Bill R. Foster. "We appreciate the opportunity to be part of a beautiful facility that will serve Missouri State University, especially the present and future students."

Bill Foster is a Springfield businessperson with a lifelong commitment to healthcare. He and his family have a long history with Missouri State University. Over the past 30 years, they have been integral to the university's growth and development by establishing scholarships, giving to capital projects such as Juanita K. Hammons Hall for the Performing Arts and JQH Arena, and supporting intercollegiate athletics programs.

In addition, Bill Foster served on the Missouri State Foundation Board from 1987-93, including a year as its president in 1990-91. His son, Tony Foster is currently serving on the Foundation Board of Trustees; another son, John Foster, served as co-chair of The Bears Fund.



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BILL R. FOSTER AND FAMILY RECREATION CENTER



SUSTAINABLE FEATURES TOUR



SUSTAINABLE FACTS

about the building

Projected to have **20.3%** in energy savings.

No ozone-depleting CFC-based refrigerants.

92.4% of construction waste was recycled.

The building and campus is a smoke free environment.

Low-VOC paints, carpets, coatings, adhesives and sealants were used in construction.

Anticipated to have **41%** reduction in water use.

Located near multiple bus lines with several bus stops within 1/4 mile.

The building has and will continue to serve as an educational tool for students and visitors.

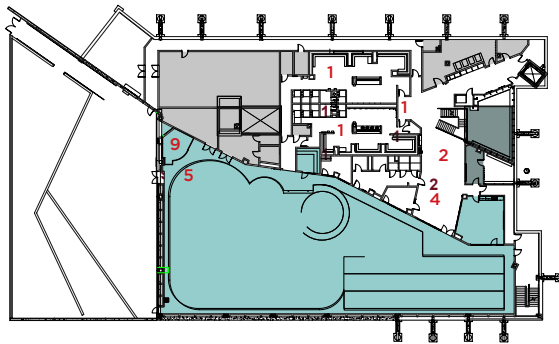
- 1** **SHOWER AND CHANGING FACILITIES**
Providing shower and changing facilities for the occupants encourages commuting to the building by bicycle.
- 2** **RECYCLING RECEPTACLES**
Recycling one ton of paper prevents the processing of 17 trees and saves three cubic yards of landfill space.
- 3** **SUSTAINABLE WOOD GYM FLOOR**
The negative environmental impacts of irresponsible forest practices can include destruction of forests, loss of wildlife habitat, soil erosion and stream sedimentation.
- 4** **LOW VOC PAINT**
VOCs or Volatile Organic Compounds are carbon compounds that participate in atmospheric photochemical reactions VOCs can have a detrimental effect on human health.
- 5** **NATIVE / LOW WATER PLANTS**
Springfield receives an estimated 45" of rainfall each year. Plants native to the region can survive on rain alone and don't need additional watering.

- 6** **BICYCLE STORAGE**
Bicycle commuting produces no emissions and has zero demand for petroleum-based fuels.
- 7** **CARPET TILES**
If an area of carpet gets stained or damaged only the affected tiles can be removed and replaced which reduces the amount of carpet that is sent to the landfill.
- 8** **CONTROLLABILITY OF SYSTEMS**
Providing task lighting at individual work spaces promotes productivity, comfort and well-being of building occupants.
- 9** **NATURAL LIGHT**
Studies show that when people live and work in a well lit environment they are happier and healthier. Natural light has been shown to limit eye strain and lessen energy consumption.
- 10** **LOW-E COATING ON WINDOWS**
Low-emissivity (Low-E) coatings control heat transfer through windows with insulated glazing and reduce energy loss by about 30%-50%

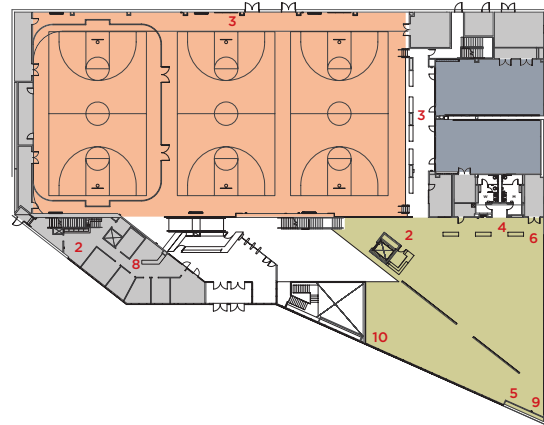


“Sustainability is meeting the needs of the present without compromising the ability of future generations to meet their own needs.”

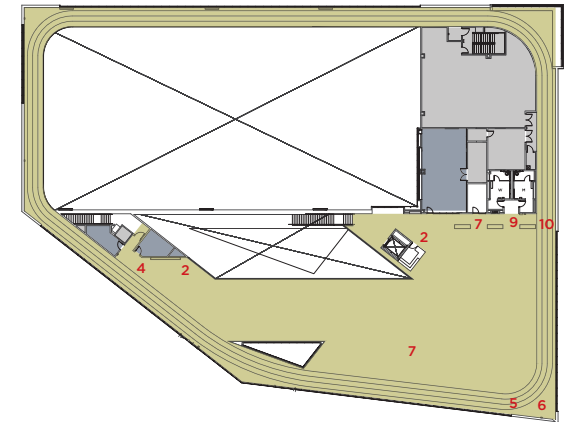
-Brundtland Commission of the United Nations



LOWER LEVEL



FIRST LEVEL



SECOND LEVEL