

Stephen M. Ross School of Business Kresge Business Administration Library Renovation, Computer and Executive Education Building Demolition, Jeff T. Blau Hall, and Exterior Cladding Project



Project Description

This project includes a comprehensive renovation of the Kresge Business Administration Library, demolition of the Computer and Executive Education Building, construction of a new academic building, and the addition of exterior building finishes (or cladding) to Sam Wyly Hall, the Business Administration Executive Dormitory, and the Hill Street Parking Structure to create a unified look for the entire Ross School complex of buildings. In total, this project represents approximately 75,000 gross square feet of building renovation and 104,000 gross square feet of new building construction. The project will add classrooms, study space, and faculty and research offices, and enhance non-academic operations to improve the student experience, including student life, financial aid, admissions, and onsite recruiting for careers. The new building design will strive to create a welcoming and unified exterior aesthetic along with well-functioning internal connections within the complex.

Energy Efficiency Measures

- The building's design and systems include a number of energy efficient features that will allow for an estimated 30% energy savings compared with an energy code compliant building as defined in ASHRAE 90.1-2007 Appendix G
- High performance glazing and exterior wall assemblies for improved thermal performance
- Chilled beams in the Kresge building
- High efficiency chiller with optimized part load to improve performance
- Air systems with improved design for part load and low load operation to track occupancy
- Air handling units that will only cool to the minimum temperature needed to satisfy the space heat and dehumidification loads, reducing the zone reheat
- Task lighting, efficient light fixtures, and the integration of natural daylight to help reduce the building's electrical load
- Occupancy sensors to turn off lights when spaces are unoccupied

Other Sustainable Features

- This project is LEED® certified to the Gold level and achieved 60 points under the LEED for New Construction v2009 rating system.
- Project site located near public and U-M bus routes to encourage use of public transit
- 86% reduction in stormwater runoff
- 90% of total suspended solids (TSS) removed from stormwater runoff
- Designed for a 41% water consumption savings beyond Michigan Plumbing Code; savings will be obtained through the use of low flow bathroom fixtures
- Centrally controlled irrigation management system to reduce potable water use for irrigation by 56% and ensure proper watering through monitoring of flow rates and weather
- 87% construction waste to be diverted from landfills
- Over 37% of materials used contain recycled content
- Over 68% of materials used were extracted and manufactured within 500 miles of the project site
- Low-VOC paints and coatings, flooring systems, and adhesives, and sealants