

## Trotter William Monroe Multicultural Center



### Project Description

The proposed William Monroe Trotter Multicultural Center is a result of extensive outreach and input from a variety of constituents. Engagement included four town halls, eight focus group sessions, benchmarking to other university multicultural centers, and a survey of students. The new building is proposed to be approximately 20,000 gross square feet to accommodate replacement spaces from the current facility along with a multipurpose room that will be able to accommodate approximately 300 people in both banquet-style seating for conferences and events and an active learning configuration that will accommodate more than 100 students.

### Energy Efficiency Measures

- The building's design and systems will include a number of energy efficient features that will allow for an estimated 37% energy savings compared with an energy code compliant building as defined in ASHRAE 90.1-2007 Appendix G
- Increased insulation value in wall assemblies for improved thermal performance
- High performance glazing assemblies for increased thermal performance
- Variable Refrigerant Flow heating and cooling equipment for increased energy efficiency
- Energy recovery function of Variable Refrigerant Flow heating and cooling system
- Energy recovery of exhaust air
- Energy efficient LED lighting throughout
- Use of occupancy sensors as lighting controls

### Other Sustainability Features

- A 20% water consumption savings beyond Michigan Plumbing Code is anticipated; savings will be obtained through the use of low flow bathroom fixtures
- Project site located near public and U-M bus routes to encourage use of public transit
- Storm water management system will be created to infiltrate runoff from the increased impervious surface
- Porous pavers will be utilized in multiple areas
- Bicycle parking in front of the building to encourage bicycle usage