

UMHHC Eye Center Expansion



Project Description

The Eye Center Expansion Project will create eight occupied floors and penthouse above for mechanical and electrical equipment. The building will house Department of Ophthalmology and Visual Sciences programs including clinics, surgery suites, research space, faculty offices, a vivarium and other support spaces; Brehm center research, office, vivarium and related support spaces; and Health Systems generic research space. A common lobby, atrium and building services will support the three functional occupants of the building.

Sustainable Sites

- Note that building occupies nearly all of site, so there are limited opportunities for sustainable site initiatives.
- On-site storm water detention.
- Some bicycle racks.
- Native plantings will be used if enhanced garden development is funded.

Water Efficiency

- Low flow plumbing fixtures in toilet rooms.

Energy and Atmosphere

- Volume of air supplied to rooms is reduced during cooling season based on room-by-room cooling requirements.
- Volume of water used for heating is reduced based on heating demand.
- HVAC system incorporates heat recovery.
- Energy efficiency heavily considered in selection of chillers.
- Chillers do not contain CFCs.
- Process cooling system is equipped with water-side economizer.
- Fan-coil units, rather than an air-based cooling system, used in areas with high equipment cooling loads.
- Premium efficiency motors.

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- Energy-efficient transformers.
- Compliance with UM energy performance.
- HVAC system designed to meet requirements of ASHRAE Standard 55.
- Rigorous, independent commissioning.

Materials & Resources

- Some materials specified to have recycled content.
- Some regional materials specified.
- Some rapidly renewable material specified.
- Some certified wood specified.

Indoor Environmental Quality

- Low VOC materials specified for adhesives, sealants, paint, carpet and composite wood products.
- Occupancy sensor lighting.
- Where occupancy sensors would be ineffective, automated centralized low-voltage lighting controls.

Innovation & Design Process

- LEED-accredited professionals.

Project Data

- Budget: \$132 M
- Schedule: Completion Scheduled for Winter 2010
- Square Feet: 230,000 gross sq. ft.

Substantially Complete: February 2010

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