

Alice Crocker Lloyd Hall Renovation



Project Description

Alice Crocker Lloyd Hall is a 176,000 gross-square-footage residence hall housing approximately 560 students. The renovation will update infrastructure, including: new plumbing, heating, cooling, ventilation, fire detection and suppression systems, wired and wireless high-speed network access, renovated bath facilities and accessibility improvements. New spaces will be created in the vacated dining areas that are no longer needed since the Hill Dining Center became operational. New and

reorganized spaces within the facility will revitalize the old residence hall and create much needed spaces for living-learning and academically-related activities, dance practice and multipurpose space, art studio, music practice rooms and spaces for student interaction and community development.

Energy Efficiency Measures

Alice Crocker Lloyd Hall design focuses on maximizing energy efficiency and incorporates numerous energy conservation measures including:

- Insulating all existing exterior walls that are not currently insulated.
- Utilizing the chilled water from the Mechanical Services Building adjacent to Mosher-Jordan Residence Hall as the cooling sources for the resident rooms in lieu of DX units.
- Reducing the lighting power density for the first and second floor common areas.
- Utilizing space occupancy sensors on the first and second floor common spaces to reduce run hours for the central station air handling units.
- Using increased inspections, including infrared scans, during construction to identify missing insulation, gaps in the enclosure, and other wall/roof assembly deficiencies.
- Using an enthalpy wheel in the mechanical system as a means of energy recovery to utilize the lost heat from the toilet room exhaust system.

Other Sustainability Features

- Alice Crocker Lloyd Hall is being renovated on its current site with over 75% of the existing walls, floors, and roof being re-used as well as 50% of the interior non-structural elements are being re-used.
- Access is being improved, thus encouraging the use of UM and public transportation.
- Bike racks will be installed to encourage the use of bicycles for transportation.
- No new parking will be provided on site (to reduce pollution and land development impacts).
- The use of water conserving plumbing fixtures including low flow toilets, urinals and shower heads will reduce water consumption by over 30%.
- Use of regional and local materials used where possible (not less than 10%).
- Use of low VOC materials including adhesives, sealants, paints, coatings, carpet systems, composite wood and agrifiber products.
- During construction, the demolition contractor is separating and recycling metal and brick/block.

Project Data

- Budget: \$56 M
- Schedule: Completion scheduled for Summer 2012
- Square Feet: 176,000 gsf

Status as of May 2011

- Project Status: Construction
- Design Complete: 100%
- Construction Complete: 6 %