

Project Statistics

Size: 315,406
Total Project: \$80,000,000
Construction: \$72,000,000
MEPT Construction: \$22,650,000
Student Beds: 1,049

Owner

University of Iowa, Iowa City
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User

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Team

Principal in Charge
Amy Infelt, PE, LEED AP

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Architect

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LEED Gold Certified – 6/20/18 w



Project History

Elizabeth Catlett Hall is located on the site of the old Iowa City Water Plant on Madison Street. Catlett is 12-stories, will house 1,049 students in the fall of 2017, and is a part of the University's Living Learning Communities program. The building will include an open marketplace, student kitchen, fitness center, laundry, afterhours Café, recreation center, study commons, event and seminar rooms, 2 primary entrances, 12 available study rooms and 27 panoramic student lounges.

Energy-efficient mechanical and electrical systems are expected to save over \$153,000 a year in utility costs compared to a code baseline building. The project is seeking LEED Silver certification.

Mechanical Design

The first three levels house a dining facility, multi-purpose room, offices, laundry facility, and lounge/lobby spaces served by a central AHU VAV systems. The dining hood exhaust controls are demand-based and integrate with the building automation system to control outdoor make-up air. Space lighting controls are integrated with the BAS to provide temperature setbacks based on space occupancy. The top nine floors are served by 4-pipe fan coil units and dedicated outdoor air ventilation system. Also included is a snow melt system

Electrical Design

Includes LED lighting fixtures and controls, normal and emergency power systems, and addressable fire alarm systems. Lighting systems use automatic daylight harvesting and occupancy sensors. Includes a new 15kV primary and 480V secondary electrical service entrance and distribution along with a 350kW emergency generator. Data and telecommunications systems were designed to University standards.