

Mammel Hall, University of Nebraska

Omaha, NE

Project Purpose

Mammel Hall, the University of Nebraska's first LEED GOLD certified building, serves as the centerpiece for a university-wide commitment to sustainability. The project models a professional team's collaboration in effective stewardship to numerous constituents.



Unusual Challenges

- Design system to reduce water use by 50 percent.
- Educate constituents on modern system capabilities.
- Justify “up-front” installation and materials cost.
- Design system around outdoor classroom.

Role of Irrigation Consultant

- Design system to meet 50-percent water-use reduction.
- Project system installation and operation costs.
- Observe construction to ensure irrigation design intent.
- Perform irrigation audit for base scheduling for ET controller.
- Provide system manual and operational education.

Water-Use Reduction Strategies

- Agreement to use low or no water-use turf and rain gardens in plant layout
- University collaboration for sustainable landscape ideas.
- Extensive use of sub-surface drip lines in all planting beds.
- Integration of ET sensor and controller, flow sensor, check valves and pressure regulation.

