Located at the entry of the University of California at Davis, the King Hall Expansion is a 30,400 square foot extension of the existing King Hall School of Law. The new building provides Dean’s office facilities, faculty offices, Kalmanovitz appellate court room, classroom space, career services, admissions and financial aid office and an improved courtyard.

Special consideration had to be taken on this project to properly expand upon the existing building, meet sustainability goals and maintain the prestige of the King Hall School of Law. In order to minimize adverse effects of the new building on the site, the project sought to maximize the use of the site, providing open space and drought tolerant native plants that blend into the arboretum. The impact of increased runoff into the adjacent arboretum waterway influenced the aesthetically pleasing collection of roof water into stormwater filtration planters. Vegetated reinforced grass paving allows for the required fire access without adding impermeable surfaces or losing open space. Inside the building, water efficient fixtures were selected that are 50% more efficient than baseline.

**LEED-NC® GOLD - PENDING**

**SUSTAINABLE SITES**
- ACCESSIBLE BY PUBLIC TRANSPORTATION
- BICYCLE PARKING SPACES
- SHOWER AND CHANGING FACILITIES PROVIDED FOR OCCUPANT COMFORT
- DIVERSE OPEN SPACES AREA
- SURFACES SELECTED TO REDUCE HEAT ISLAND EFFECT

**WATER EFFICIENCY**
- 50% WATER EFFICIENT LANDSCAPING
- 50% WATER USE REDUCTION

**ENERGY AND ATMOSPHERE**
- ENHANCED COMMISSIONING OF BUILDING ENERGY SYSTEMS
- 26% REDUCTION OF ENERGY USE
- MINIMAL USE OF OZONE DEPLETING REFRIGERANTS
Enhanced commissioning of the building systems ensured efficient operations of the designed systems. King Hall Expansion exceeds California Title 24 energy requirements by more than 25% and reduces energy costs by 27%.

Materials with little or no volatile organic compounds have been selected for use inside the building envelope. An indoor chemical and pollutant source control system has been carefully designed for this project.

Indoor air quality and thermal comfort have been central to the design and construction process; thermal and lighting systems were designed for optimal occupant comfort and controllability for individual preferences.

In campus efforts for ongoing sustainability a Green Housekeeping policy has been implemented to reduce exposure to harmful chemicals to building occupants.

**PROJECT TEAM**

**OWNER:** UNIVERSITY OF CALIFORNIA, DAVIS

**ARCHITECT:** THA ARCHITECTURE, INC.

**GENERAL CONTRACTOR:** K.O.O. CONSTRUCTION

**MECHANICAL/ELECTRICAL/PLUMBING ENGINEER:** FLACK & KURTZ

**CIVIL ENGINEER:** CUNNINGHAM ENGINEERING

**LANDSCAPE ARCHITECT:** WALKER MACY

**ENERGY MODELER:** ENERGYSOFT

**COMMISSIONING AGENT:** PETER SHAHROKH, UC DAVIS

**GREEN BUILDING CONSULTANT:** GREEN BUILDING SERVICES

**MATERIALS AND RESOURCES**
- CONVENIENT RECYCLING STATIONS
- 63% OF CONSTRUCTION WASTE DIVERTED FROM LANDFILL
- 12% OF ARCHITECTURAL MATERIALS CONTAIN RECYCLED CONTENT

**INDOOR ENVIRONMENTAL QUALITY**
- LOW VOC MATERIALS INSTALLED
- DESIGN OF INDOOR CHEMICAL & POLLUTANT SOURCE CONTROL
- IMPLEMENTATION OF INDOOR AIR QUALITY MANAGEMENT PLAN FOR OCCUPANT WELL BEING
- OCCUPANT CONTROLLABILITY AND EFFICIENT DESIGN OF LIGHTING AND THERMAL SYSTEMS
- GREEN HOUSEKEEPING