

DIEHN FINE & PERFORMING ARTS ADDITION AT OLD DOMINION UNIVERSITY

LEED Silver Sought in Addition to Diehn Fine and Performing Arts Building

*Size: 77,475 SF
Budget: \$6,809,297
Bid: TBD
Est. Completion: 2011*



Diehn II is an 18,000 square foot addition to the existing Diehn Fine & Performing Arts building at Old Dominion University. The facility will provide classrooms, office, and rehearsal space to better accommodate the needs of the departments in the university's Fine Arts program.

With the goal of achieving LEED Silver certification, the project team has incorporated sustainability throughout the facility's design and construction. Using LEED v2.2 as a guide, the team incorporated elements to increase water and energy efficiency, improve indoor air quality, reduce impact on the surrounding site and promote wise use of materials. Sustainable features of the facility's design and construction include:

- variable-air-volume air handling units, with demand controlled ventilation and lighting, such as occupancy sensors, to reduce energy costs by approximately 17 percent;
- generous clerestories and skylights to increase daylight and reduce dependence on electric lighting
- white-membrane roofing to reflect solar radiation;
- 43 percent more vegetated open space than is required by local codes;
- a planter and bioretention pond to collect and treat rainwater channeled from the building's roof; and
- dual-flush toilets, 0.5 gallon-per-flush urinals, and low-flow faucets which will contribute to a water use reduction of approximately 43 percent.