

CGCC Williams – Engel Hall – Classroom/Healthcare Building, Gilbert, AZ

Description of Project

Project consists of new 2-story Classroom / Healthcare Building with associated Central Plant located at the Williams Campus of Chandler Gilbert Community College. Building is two stories, 32,800 square feet and includes various science / biology Labs & Classrooms, Student Lounges, Toilet Facilities, Resource Center, equipment rooms, and 2nd floor Faculty Offices, Conference Rooms and Work Rooms. Project includes site development/modifications as necessary for the new building at the existing campus. Delivery system is CM@R with Adolphson and Peterson. Specifications and LEED Consulting to Gabor Lorant Architects, Phoenix, AZ



Challenges Overcome

Gabor Lorant and Adolphson & Peterson collaborated during the design and construction phase, analyzing overall cost, HVAC, central plant configurations, constructability of the framing systems, the steel truss system, wood products and masonry. The college required LEED silver certification, however, Gold Level was achieved.

Benefits Provided:

Engel Hall is designed to set the standard for architectural detailing to be incorporated in future buildings on the CGCC- Williams campus. Its contemporary design, modern materials and sustainable features will ensure that decades from now the building will still be a dynamic and vibrant campus presence. The structure features a bridge-like extension reaching out in welcome toward the campus. On the second floor are academic offices, which are accessed by an elevator, an enclosed stairwell at the far end of the bridge and an outdoor stairwell from the courtyard. With the bridge for cover and its indigenously landscaped plazas, this shaded pedestrian-friendly area serves as both gathering/study center for the building as well as an amphitheater. The area frames the Superstition Mountains through the bridge and will host concerts, graduation ceremonies and trade fairs in addition to serving as a general meeting area for the campus. Engel Hall will use 30-40% less power than a typical new building, Lorant says.

Engel Hall achieved LEED credits in all major categories, including sustainable sites (maximizing open space), water efficiency (landscaping) and optimizing energy performance (well-designed building floor plan and sealing and insulating). The project recycled approximately 90% of the construction waste. Other strategies include daylighting, low-water-use plumbing fixtures and irrigation systems, low-emitting and inert building finishes for reducing indoor exposure to formaldehyde and other volatile organic compounds. Sustainable materials include Prodema™, a polyphenolic resin material that has the appearance of wood and the durability of pre-finished metal; the honed-faced masonry, selected for its rich external appearance, thermal mass, and durability; and double-glazed Pilkington glass.

Architect: Gabor Lorant Architects, Phoenix, AZ

LEED CERTIFICATION ACHIEVED: LEED-NC v2.2 Gold Certification October 3, 2009