Bioscience High School

Phoenix, Arizona

Orcutt | Winslow

Entire School/Campus Building

New Construction

ORCUTT | WINSLOW

3003 N. Central Ave., 16th Floor
Phoenix, AZ 85012
www.owp.com

Paul Winslow & Russ Sanders
602/257-1764

DESIGN TEAM

Paul Winslow, Partner

Russ Sanders, Project Manager

Mark Grasso,
Construction Administration
Concord Companies, Contractor

OWNER/CLIENT

Phoenix Union High
School District
Phoenix, AZ

Kent Scribner, Superintendent
602/271-3100

Type of School and
Grades Served:
High School, 9-12

Capacity: 400 students

Size of Site: 2 acres

Area of Building:
52,456 square feet

Volume of Building:
1 million cubic feet

Space per Student:
155 square feet

Cost per Student: $26,757

Square Foot Cost: $204

Cost of Construction:
$10.7 million

Total Project Cost: $12.7 million

Contract Date: Feb. 2005

Completion Date: Nov. 2007

Percent of Completion: 100%

EXTERIOR

The Phoenix Union Bioscience High School is a comprehensive high school with a science and math focus. Situated in the heart of the Phoenix Biomedical Research campus, it is adjacent to a thriving arts neighborhood and just a few blocks from Arizona State University's downtown campus. Adding to the character of the site is a late 1920s red brick elementary school building, McKinley School, which remained on the campus and offers a strong historic component. Open to a socio-economically diverse student population, the school supports the district's program, which emphasizes team teaching and independent learning.

From the beginning, the architecture was envisioned to be a teaching tool in and of

MICROBIOLOGY LAB

CHEMISTRY LAB

TOWN HALL

PHYSICS LAB

TOWN HALL AT DUSK

PHOTOS: AL PAYNE PHOTOGRAPHIC

itself, supportive of the district's uniquely collaborative "rigorous and relevant" curriculum and environmentally appropriate in its urban desert context. On the exterior, massive east- and west-facing cast concrete "fossil walls" communicate geological time while framing large expanses of north- and south-facing glass. An outdoor lab sits above the main entrance with a view of the courtyard amphitheater below. Solar panels provide hot water to the lab spaces. Natural light penetrates deep into the building's open and flexible teaching spaces, where six state-of-the-art science labs are the focus. One of the labs is a replica of the neighboring Translational Genomics Research Institute (TGen) labs.

Students have immediate access to faculty members, whose work areas are strategically located adjacent to the student studio areas. All of the structural, mechanical, plumbing, electrical, and data systems are exposed to support the school's learning philosophy. The three-story Town Hall space is used for presentations, serves as the cafeteria space, and opens to the internal desert courtyard for special functions. At the Bioscience High School, everything is open, interrelated, and connected and contributes to the collaboration of students and staff. ■