

**PHELPS ARCHITECTURE, ENGINEERING, CONSTRUCTION (AEC)
HIGH SCHOOL, WASHINGTON, DC**



Throughout the planning, design, and construction process for Phelps AEC High School in Washington, DC, the design-build team addressed many challenges, ranging from the careful preservation of the historic, circa-1933 building to meeting modern-day sustainability and security requirements. Security remained a key concern throughout the construction process. The northeast D.C. neighborhood in which Phelps is located is plagued by a high level of gang activity, as well as ongoing vandalism. During construction, temporary fencing and a full-time guard helped ensure the security of the jobsite. Permanent security measures include fencing with ornamental, wrought-iron accents; vandal-resistant screens on the new windows; and cameras and sensors.



WOODROW WILSON HIGH SCHOOL, WASHINGTON, DC

The \$100 million modernization of Wilson High School in Washington, DC, combines historic preservation and adaptive reuse strategies to create a 21st century learning environment. The project included a significant focus on sustainability, which resulted in the building earning LEED® Gold certification from the U.S. Green Building Council. Highlights of the design include:

- A central skylight structural piping design to capture rainwater for reuse in other portions of the building;
- A 15,000-gallon rainwater cistern used to capture rainwater;
- A 30,000-gallon storm water filtration system; and
- A green roof.

Collaborative
Learning

Safety/Security

21st Century
Convergence

Integrated
Technology

Sustainability