



Westinghouse High School
3223 W. Franklin Boulevard

• O F C H I C A G O

PUBLIC BUILDING COMMISSION

**BUILDING SCHOOLS
ACROSS CHICAGO**

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Building Features

- 240,000 Square Feet
- 2-story Steel Frame and Masonry Construction
- Capacity:
 - Planned Capacity: 1,200
- 9th through 12th Grade
- Single School with Two Focused Programs (Selective Enrollment Program & College to Careers Program)
- 27 Standard Academic Classrooms
- 4 Computer Labs
- 6 Science Labs
- Multipurpose Classroom
- Library/Media Resource Center
- Gymnasium (2 Station)
- Natatorium with 6-lane Pool and Observation Deck
- Dance Studio/Wrestling Room
- Fitness/Weight Room
- 2 Performing Arts Classrooms
- 2 Visual Arts Classrooms
- 500-seat Auditorium
- Performing Arts Support Spaces
 - Green Room
 - Dressing Rooms
- Kitchen and Dining Facilities
- Administrative Suites
- Nurse and Student Support Service Spaces
- State-of-the-art Computer Network
- Fully Accessible to People with Disabilities

Exterior Amenities

- Outdoor Athletic Amenities:
 - Football Field with Bleachers for 1,200
 - Soccer Field
 - Track & Field Venues
 - 3 Tennis Courts
- 2 Parking Lots with 75 Total Parking Spaces
- Landscaped Interior Courtyard

Special Features for College Prep & Career Academies

- Distance Learning Laboratory
- College Resource Room
- Career Preparation Laboratories:
 - Broadcast Technology/Media Literacy Academy
 - Information Technology Academy
 - Business Academy
 - Medical Academy

Project Development Information

- Design Architect: OWP/P Architects
- Architect of Record: DeStefano & Partners
- General Contractor: Sollitt/Oakley Joint Venture
- Original Contract Value: \$69,089,000.00

Economic Sustainability Program

- MBE Business Commitment: 42%
- WBE Business Commitment: 5.35%
- City Residency Labor Requirements: 50% of Project Labor





ENVIRONMENTALLY FRIENDLY OR “GREEN” ELEMENTS

The new Westinghouse High School was designed to achieve a Silver rating under the U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) for the New Construction Rating System.

Green buildings are designed, constructed and maintained in an environmentally sustainable way. Some of the green elements that are part of this high school are outlined below.

Sustainable Sites

These features take account of the location and placement of the building, and its impact on and relationship with the environment around it.

- The building was constructed on a previously developed site, within ½ mile of a residential zone and 14 basic services (neighborhood amenities).
- The school is well served by public transportation, as it is located within ¼ mile of two bus lines and within ½ mile of a commuter rail and a CTA train station.
- Alternative transportation is encouraged through the addition of bike racks, preferred carpool parking and preferred parking for low-emitting and fuel-efficient vehicles.
- The school has implemented a stormwater management plan that results in a 82% decrease in the rate of stormwater runoff.
- Both the roof and the site materials have a high degree of reflectivity, which contribute less to the urban heat island effect on and around the building.

Water Efficiency

Efforts were made to conserve water in and around the building.

- Landscape plantings include adaptive and native species, which require less water.
- No permanent irrigation is provided.
- Low flow plumbing fixtures and sensed lavatories reduce building water usage by 30%.

Energy & Atmosphere

Green buildings reduce the amount of energy used by the building, and may make use of renewable energy.

- Energy-using systems perform 24.5% better than facilities of similar size.
- Efficient lighting systems utilize available daylight.
- Enhanced commissioning will ensure the energy-using systems are installed and perform as designed, and that the operations and maintenance staff are well trained.
- Hot water is pre-heated through solar thermal means, contributing to energy efficiency

Materials & Resources

Materials selection is mindful of recycled content, and regional manufacturing, to reduce use of energy to bring the materials to the site and to reduce raw material consumption.

- This school contains more than 22% recycled materials.
- More than 42% of the materials used for this building were manufactured within 500 miles of the project site.
- More than 67% of the wood used in this building came from sustainably managed forests certified by the Forest Stewardship Council (FSC).

Indoor Environmental Quality

Green buildings are designed to establish good indoor air quality for workers during construction and for the end users of the completed building. Environmental quality in terms of access to daylight and views are also considered.

- This building provides excellent indoor environmental quality for students, faculty and staff. It employs the use of a displacement air system in selected common areas.
- Care was taken to ensure contaminants were kept out of the building during construction, with an air quality plan, and through the selection of materials that emit less fumes. A full building flush out was performed at the end of construction.
- Classrooms, administrative spaces and corridors will enjoy natural light and views.
- Green cleaning products.

