

Adam Clayton Powell, Jr. Paideia Academy

7511 S. South Shore Drive



Building Features

- 104,709 Square Feet
- Steel Frame and Masonry Construction
- Fully Commissioned Building Automation System
- Fully Accessible to People With Disabilities
- Capacity: Min. 900 Students
- 6 Pre-K/Kindergarten Classrooms
- 24 Standard Academic Classrooms
- 2 Multipurpose Rooms
- 1 Computer Lab
- 1 Science Lab
- 1 Music Classroom
- 1 Art Classroom
- Gymnasium and Stage
- Kitchen and Dining Facilities
- Library/Media Resource Center
- Administrative Suite
- Nurse and Student Support Service
- State-of-the-art Computer Network
- Central Air Conditioning

Special Provisions

- Designed for **Community Use** on evenings and weekends-with, independent access to gym, dining room and other specialty spaces.

Exterior Amenities

- Courtyard and Covered Arcade
- Parking Lot
- Green & Reflective Roof

Project Development Information

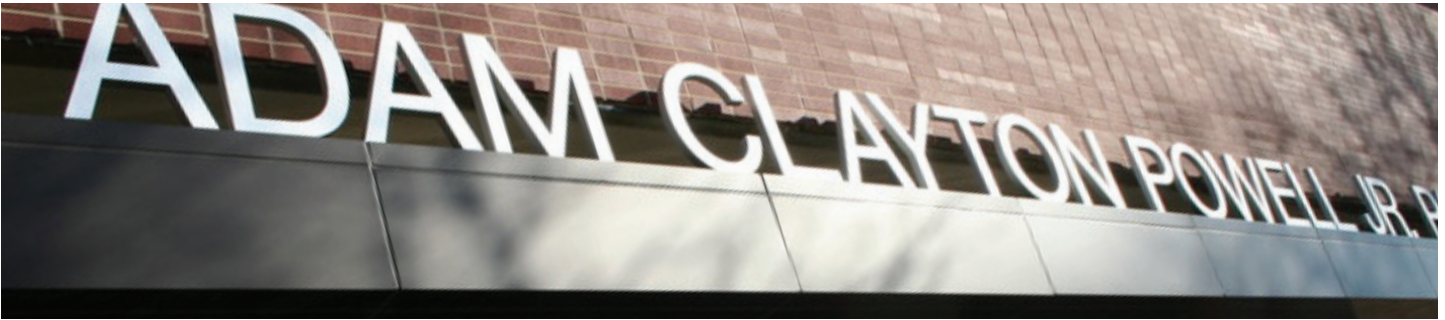
- Design Architect: SMNG-A Architects, Ltd.
- Architect of Record: InterActive Design, Inc.
- General Contractor: George Sollitt/Brown & Momen JV
- Original Contract Value: \$26,000,000.00

Economic Sustainability Program

- Bid incentives for the employment of Women and Minorities
- Bid incentives for the employment of Apprentices
- City Residency Labor Requirement
- Community Hiring Requirement
- M/WBE Business Participation: 42.07% Paid to Date

ADAM CLAYTON POWELL, JR. PAIDEIA ACADEMY

ENVIRONMENTALLY FRIENDLY OR “GREEN” ELEMENTS



The new Powell Elementary School was designed to achieve a Silver rating, and may achieve Gold rating under the U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) for Schools Rating System.

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

Sustainable Sites

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

- The building was constructed within ½ mile of a residential zone and 10 basic services (neighborhood amenities).
- The school is well served by public transportation, as it is located within ¼ mile of two CTA bus lines.
- Alternative transportation is encouraged through the addition of bike racks, preferred parking for low-emitting and fuel efficient vehicles and carpool vehicles and a designated carpool drop-off.
- Both the roof and selected site materials have a high degree of reflectivity, which contribute less to the urban heat island effect on and around the building. Lower summer temperatures around the building translate into less energy required to cool it.
- 50% of the roof surface is vegetated (green).
- 100% of the stormwater which falls on the site and building is absorbed into the landscaped areas and pervious pavements around the school, recharging the underground water table. The unusually pervious soils on this site facilitate this effort.
- Native landscaping, a green roof and pervious pavements also help manage stormwater.
- This school is a good neighbor, keeping its lighting focused on safety and the ground and sidewalks, with very little escaping to the night sky.

Water Efficiency

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

- Landscape plantings include adaptive and native species, which require less water. Irrigation is provided only during plant establishment.
- Low flow plumbing fixtures and sensed sinks reduce building water usage by over 40%.

Energy & Atmosphere

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

- Energy-using systems are designed to perform over 21% better than facilities of similar size and use.
- The efficient lighting systems utilize occupancy sensors and available daylight.
- Enhanced commissioning of the building's energy-using systems will ensure they are installed and perform as designed, and that the operations and maintenance staff are well trained

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.

- Over 90% of waste from construction was recycled.
- This school contains close to 23% recycled materials.
- Over 30% of the materials used for this building were manufactured within 500 miles of the project site.
- Approximately 51% 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.
- 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.
- Ongoing air quality is maintained through the use of green cleaning products.
- The school was designed to provide daylight to more than 81% of the classroom areas and outdoor views in close to 92% of regularly occupied spaces. Library clerestories and windows provide excellent daylight.
- Light shelves and sun shading devices on south and west windows reduce glare and heat gain while boosting natural light in the classrooms.

