Mark T. Skinner West Elementary School
Classical Fine Arts & Technology

1260 W. Adams Street

Building Features

- 101,000 Square Feet
- 3-story Steel Frame and Masonry Construction
- Capacity:
  - –Planned Capacity: 750
- 4 Pre-K/Kindergarten Classrooms
- 20 Standard Academic Classrooms
- 2 Special Needs Classrooms
- 2 Multipurpose Rooms
- 1 Computer Lab
- 2 Science Labs
- 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
- Fully Accessible to People with Disabilities
- Solar Shading
- Central Air Conditioning
- Fully Commissioned Building Automation System

Exterior Amenities

- 28-space Parking Lot
- Historic Water Tower is Reused to Store Stormwater Runoff Water for Irrigation and Landscape.
- Ornamental Metal Fencing
- Entry Plaza with Bike Racks and Play Area
- Outdoor Classroom
- Shared Playground with Skinner Park

Project Development Information

- Design Architect: SMNG-A
- Architect of Record: SMNG-A
- General Contractor: K.R. Miller Contractors
- Original Contract Value: $25,444,700.00

Economic Sustainability Program

- MBE Business Commitment: 32.87%
- WBE Business Commitment: 4.48%
- City Residency Labor Requirements: 50% of Project Labor

MARK T. SKINNER WEST ELEMENTARY SCHOOL

CLASSICAL FINE ARTS & TECHNOLOGY

Environmentally Friendly or "Green" Elements

The new Mark T. Skinner Elementary School was designed to achieve a Silver 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 on a previously developed site and within ½ mile of a residential zone and over 10 basic services (neighborhood amenities).
- The school is well served by public transportation, as it is located within ¼ mile of a CTA train line and 2 bus lines.
- Alternative transportation is encouraged through the addition of bike racks and preferred parking for low-emitting and fuel-efficient vehicles.
- The site allows more stormwater to return to the water table than was possible for the site before the school was built.
- The roof has a high degree of reflectivity, which contributes 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.
- Over 14% of the roof is vegetated.

Water Efficiency

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

- Landscape plantings include adaptive and native species, which require less water.
- A historic water tower is being reused at the school to harvest rainwater for irrigation of landscaping and to promote water conservation and efficiency.
- Water efficient plumbing fixtures reduce building water usage by over 34%.

Energy & Atmosphere

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

- Energy-using systems perform 27% better than facilities of similar size.
- Efficient lighting systems utilize available daylight.
- Enhanced commissioning will ensure that energy-using systems 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.

- The school is constructed with more than 30% recycled materials.
- Over 42% of the materials used for this building were manufactured within 500 miles of the project site.
- More than 58% 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 ensure 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.
- Ongoing air quality is maintained through the use of green cleaning products and increased ventilation.
- The school was designed to provide views to more than 90% of the spaces.
- Individual lighting controls are provided to over 90% of occupants.

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