The Ogden International School of Chicago

24 West Walton

Building Features

- 109,000 Square Feet School Plus Underground Parking Structure
- 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
- 1 Computer Lab
- 2 Science Lab
- 1 Music Classroom
- 1 Art Classroom/Multipurpose Room
- 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.
- Designed for **Environmental Sustainability** the school includes photovoltaic windows and a stormwater management system.

Exterior Amenities

- Green Roof
- Rooftop Play Space
- Terrace Level Playground

Project Development Information

- Architect of Record: Nagle Hartray Architecture
- Construction Manager at Risk: Turner Construction Co.
- Construction Cost: $44,788,221

Economic Sustainability Program

- City Residency Labor Requirement
- Community Hiring Requirement
- Bid incentives for the employment of Women and Minorities
- Bid incentives for the employment of Apprentices
- MBE Business Participation: 29.83% Paid to Date
- WBE Business Participation: 10.15% Paid to Date
  (as of October 2011 Pay Application)

THE OGDEN INTERNATIONAL SCHOOL OF CHICAGO

Environmentally Friendly or "Green" Elements

The new Ogden International School of Chicago 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. The area within ½ mile of the school includes a dense urban residential zone with well over 10 basic services (neighborhood amenities).
- The school is well served by public transportation, with 5 CTA bus lines stopping within ¼ mile, and 2 CTA train line stops within ½ mile of the school.
- Alternative transportation is encouraged through the addition of bike racks and preferred parking for low-emitting and fuel-efficient vehicles.
- Over 55% of the roof area is vegetated, and includes a learning garden. The roof also boasts a rooftop play area for students.
- Most of the balance of the roof has a high degree of reflectivity. The site is dedicated to pedestrians, with high reflectivity paving materials, and all parking underground, both of 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.

Water Efficiency

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

- Landscape plantings include adaptive and native species, which require less water.
- The site is designed to harvest stormwater to an underground cistern, for reuse to irrigate green roof plantings, promoting water conservation and efficiency.
- Water efficient plumbing fixtures reduce building water usage by over 45%.

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 36% better than facilities of similar size.
- Photovoltaics integrated in south-facing library windows reduce the amount of "grid" power the school uses, as well as helping to control heat gain and glare from the sun.
- Efficient lighting systems harvest and 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 of close to 23% recycled materials.
- At least 25% of the materials used for this building were manufactured within 500 miles of the project site.
- Close to 100% of the wood used in this building came from sustainably managed forests certified by the Forest Stewardship Council (FSC).
- Over 95% of the waste generated during construction of this building was recycled or reused.

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. Testing was performed before the building was occupied to ensure air quality was maintained.
- Ongoing air quality is maintained through the use of green cleaning products.
- The school was designed to provide daylight in 75% of the classrooms, and views to outdoors to 90% of classroom and administrative spaces.
- Individual lighting controls are provided in teaching and many administrative spaces.

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