



## New & Renovated Features

- Links from each wing to the Main Building

### East Addition

- Auditorium and Arts Suite
- Scene Shop, Dressing Room & Green Room
- Music and Practice Rooms
- Library/Media Resource Center
- Distance Learning Lab

### West Addition

- Gymnasium (Two Station)
- Natatorium with 6 Lane Pool
- Fitness / Weight Room

## Environmentally Sustainable Features

- Partial Green Roof
- Durable Materials
- Natural Light and Views
- Indoor Air Quality
- Water Use Reduction Measures
- Native Planting & Permeable Pavers

## Project Development Information

- Architect of Record: BLDD/Brook Architects JV
- General Contractor: F.H. Paschen/S.N. Nielsen
- Construction Contract Value: \$34,855,000.00

## Economic Sustainability Program

- City Residency Labor Requirement
- Community Hiring Requirement
- Local Business Requirement
- Bid incentives for the employment of Women and Minorities
- Bid incentives for the employment of Apprentices
- M/WBE Business Participation: 46.17% Paid to Date (as of September 2011 Pay Application)







## ENVIRONMENTALLY FRIENDLY OR “GREEN” ELEMENTS

The Gwendolyn Brooks High School Additions project 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 account of the location and placement of the building, and its impact on and relationship with the environment around it.*

- The additions to this high school were constructed on a previously developed site. The school is within a ½ mile radius of a residential zone with over 10 basic services (neighborhood amenities).
- The school is well served by public transportation, with 3 CTA bus lines stopping within ¼ mile, and 1 Metra rail train station within ½ mile of the school.
- Alternative transportation is encouraged through the addition of bike racks, preferred parking for low-emitting and fuel-efficient vehicles, and a preferred carpool drop off area.
- Both the roof and selected site materials have 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 28% of the roof surface on the two additions 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.
- The site is designed to return as much rainwater as possible to the earth, with most stormwater running to permeable pavers, raingardens or bioswales, and to the existing pond.
- Water efficient plumbing fixtures reduce building water usage by over 41%.

### 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 18% better than facilities of similar size and use.
- Efficient lighting systems utilize available daylight and efficient controls.
- 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

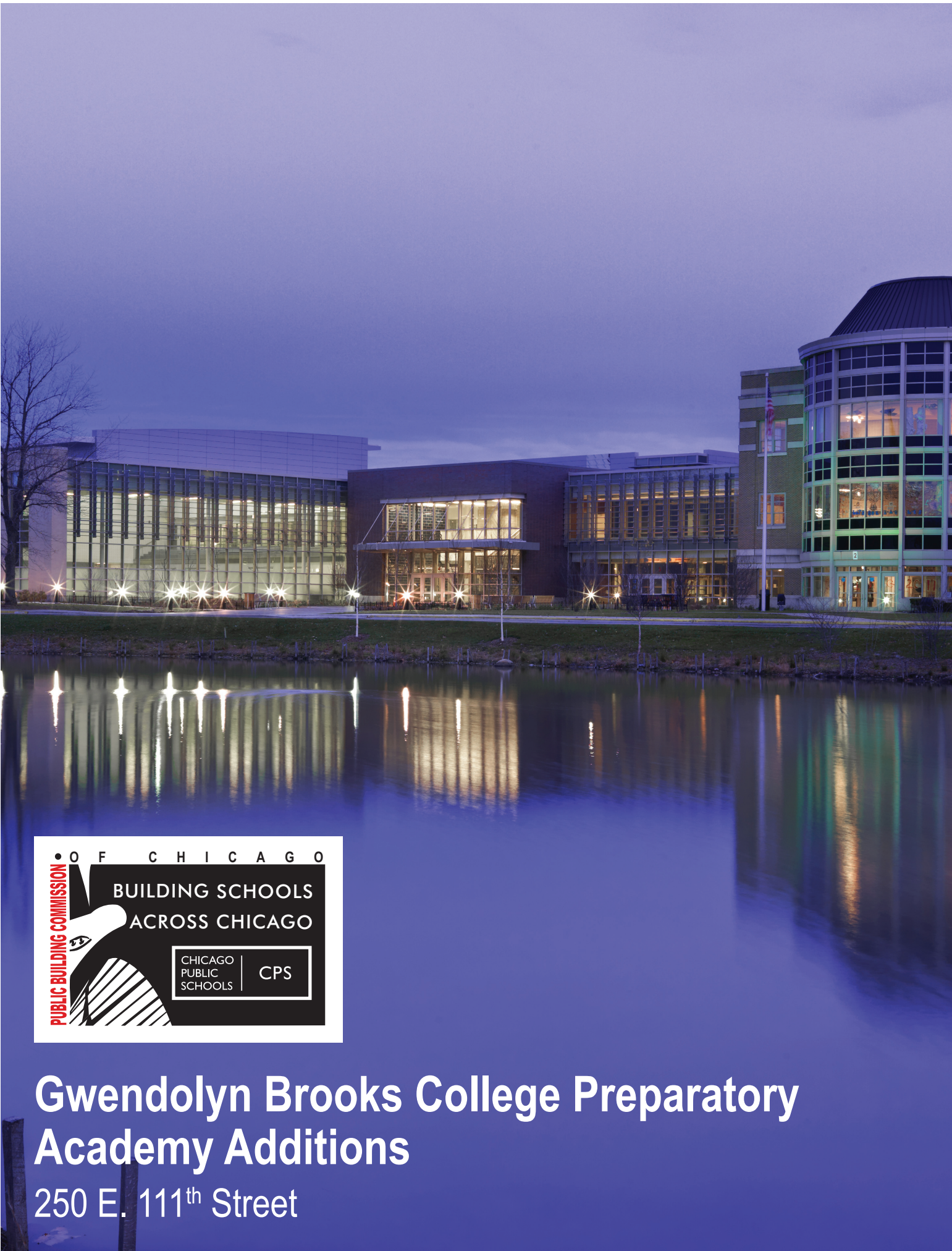
*Materials selection is mindful of recycled content, and regional manufacturing, to reduce use of energy to bring the materials to the site and to reduce raw material consumption.*

- The school additions are constructed of over 27% recycled materials.
- Close to 52% of the materials used for these additions were manufactured within 500 miles of the project site.
- Approximately 84% of the wood used in these additions came from sustainably managed forests certified by the Forest Stewardship Council (FSC).
- Over 97% of the waste generated during construction of these additions was recycled or reused, and not sent to landfills.

### 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. In addition, a flush out was performed at the end of construction.
- Ongoing air quality is maintained through a responsive mechanical system which uses CO2 monitoring and outdoor air flow rate monitoring to maintain excellent air quality in each different type of space. In addition to ventilation and entryway design, air quality is maintained through the use of green cleaning products.
- Individual lighting and temperature controls are provided in learning and performance spaces.



**Gwendolyn Brooks College Preparatory  
Academy Additions**  
250 E. 111<sup>th</sup> Street