Oak Park and River Forest High School District 200

Statement of Qualifications
Architect of Record and Educational Design Services

November 18, 2010

LEGATARCHITECTS

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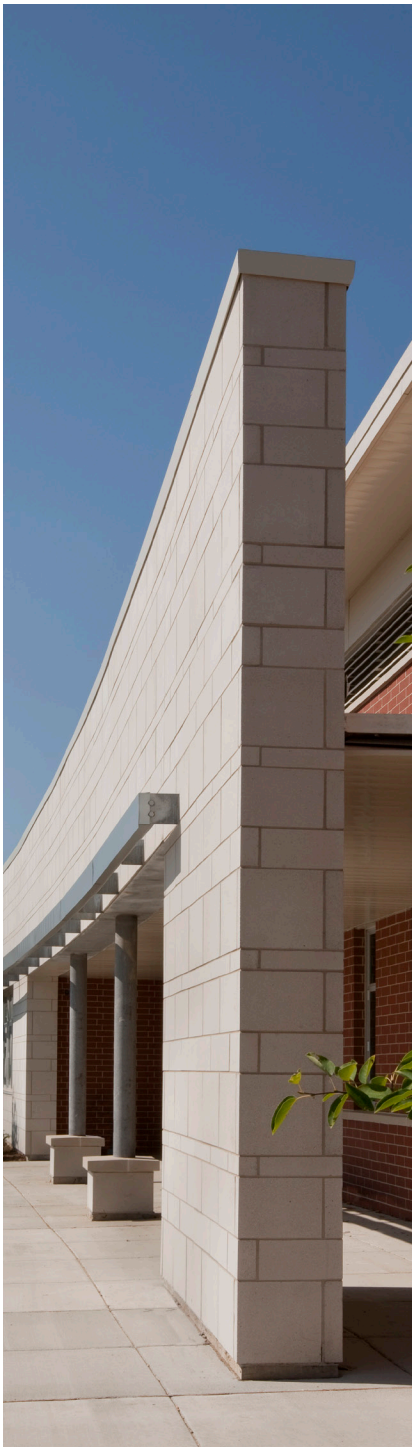

Section 1 Letter of Introduction

Letter of Introduction

November 18, 2010

Mr. Tim Keeley
Purchasing Coordinator
Oak Park and River Forest High School District 200
201 North Scoville Avenue
Room 270A
Oak Park, IL 60302

Dear Mr. Keeley:

Legat Architect is delighted to be invited to submit our qualifications to provide Architect of Record and educational design services for your high school district. Legat Architects has a proven track record in serving K-12 districts in this capacity, and is a nationally recognized practice the design of high performance learning environments Below we have summarized the experience we believe is important for your consideration of our firm:

Experience with Similar High School Districts
Legat Architects has worked with on 50 high schools in Illinois over the past 47 years practice. Over 70% of our portfolio has involved renovation and ongoing facility assessments of these buildings to maximize life cycle costs and reduce maintenance costs, as well as to plan for ways to enhance the learning environment. The five high examples we have featured are districts that we have served for a decade providing ongoing services to address their aging school facilities.

- At Niles Township HSD 219, we are currently working on on implementation of the 2011 capital improvement projects that will be completed over the next three summers. In the summer of 2010, we completed the new grandstands and press box at Niles North High School.

- For Glenbard Township HSD 87, we have concurrent facility improvement projects underway at their four high campuses, including the historic Glenbard West High School.

- At Proviso Township HSD 209, we have been providing ongoing upgrades and life safety improvements at the historic Proviso East and West High Schools.

- At the Mundelein CHSD 120, we have been leading a community engagement process to achieve a programmatically comprehensive high school, reduce class size and improve the infrastructure.

- In 2006, we completed extensive renovations and additions to the Wheaton-Warrenville CUSD 200, North and School High School to accommodate their student growth and program driven high curriculum.

Design & Planning Excellence
High performance learning environments, sustainability and innovative design are the foundation of our school practice. At Niles Township District 219, we collaborated with the administration and staff to invent nationally award winning S.T.E.M. (Science, Technology, Engineering and Math) labs focused on project based learning rather than topic memorization. This unique experience has allow us to program and design agile environments in which students can grow and learn within for the next 50 years.

Letter of Introduction

Architect of Record Performance
We understand what it means to be an Architect of Record and the range of services that may be required. The services we offer in-house include educational programming, planning, architecture, interior design/FF&E, code compliance, sustainable design/LEED certification, as well as a full range of building envelope services. We are currently Architects of Record for 25 school districts in Northern Illinois. Current high school district clients include Glenbard Township HSD 87, Niles Township HSD 219, Proviso Township HSD 209, and the Mundelein Consolidate HSD 120.

Commitment to Your District
It's an honor to be a school architect and the commitment we make to a school district. Every day we have an opportunity to positively impact the learning lives of students over the life span of a school facility. We welcome the chance to demonstrate our role with your new district.

Sincerely,

Legat Architects,

Robert Wroble, AIA, LEED AP
Associate Director of K-12 Education

2015 Spring Road - Suite 175 Oak Brook, IL 60523
Phone: 630.990.3535 Fax: 630.990.3541 **www.legat.com**

Section 2 Firm Qualifications

LEGATARCHITECTS

A Look at Legat Architects

Legat Architects provides planning, architecture, and interior design services for facilities in six market sectors with our primary focus in Education. Our multiple studio structure brings clients the attentiveness of the local architect, with the resources of the major design firm.

Sustainability Performance Design

Sustainability

Sustainable principles guide every aspect of our practice. From enhancing energy efficiency to incorporating durable, long-lasting materials and systems that focus on user well-being and comfort, our designs are aimed at creating economic, social and environmental success.

Performance

Buildings carry a powerful message to their occupants and communities. Our designs focus on creating environments that enhance and enrich the occupant's experience and improve long-term efficiency and economic performance.

Design

Our integrated design approach incorporates a variety of interests, ideas, and goals from stakeholders, community members, and designers to develop a responsive solution that reflects the client's economic reality and purpose.

Services

Planning
Facility Needs Studies
Site Selection/Analysis
Feasibility Studies
Master Planning
Campus Planning
Programming

Interior Design
Space Planning
Interior Architectural Design
Furniture, Finishes & Equipment Selection Specifications
Art & Plant Selection
Signage & Graphics
Construction Documents
Move Coordination
Construction Administration
Post Occupancy Services

Architecture
Facility Planning
Architectural Design
Renovation/Remodeling
Code/Life Safety Surveys
Construction Documents
Construction Administration
Consultant Coordination
Post Occupancy Services

Building Envelope Services
Building Envelope Analysis & Assessment
Moisture Intrusion Investigation
Energy Analysis
Code Compliance
Remedial Design
Bidding
Construction Administration
Quality Assurance Inspections/ Operations
Roof Asset Management Programs

Sustainable Design
Facility Assessment Studies
LEED Certification
Green Building Standards
Green Campus Plans

Project Management
Cost Estimating
Scheduling
Life Cycle Costing
Value Engineering
Project Delivery Strategy
Construction Management

Community Relations
Client Surveys
Fundraising Assistance
Media Presentations
Graphics/Brochures
Public Relations

Staff Size & Resources

Staff Size	> 58
Architects	> 24 Licensed/ 18 Non-Licensed
Interior Designers	> 2 Licensed/ 1 Non-Licensed
Administrative	> 13

LEED (Leadership in Energy and Environmental Design) Accredited Professionals > 37

Production Studio Address
2015 Spring Road - Suite 175
Oak Brook, IL 60523

Illinois Studios
Chicago
Crystal Lake
Oak Brook
Waukegan

Ohio Studio
Columbus

Revenue

Last 5 Years > $12 - $17 million annually

Number of Years in Business

46

Design Awards & Recognition

Industry Awards > 45+ in 10 years

Midwest Construction Magazine > Ranked 21st in 2010 "Top Illinois Design Firms"

Principals

Patrick Brosnan, AIA, LEED AP
President/CEO
Berry DeSimone
COO
Ted Haug, AIA, LEED AP
Chief Design Officer
Wayne Machnich, AIA, LEED AP
Alan F. Bombick, AIA, LEED AP
Casey Frankiewicz, AIA, LEED AP
Jeffrey Sronkoski, AIA, LEED AP
Julie Wood

PreK-12 Education Practice

Creating High-Performance Schools

Public educational institutions face dynamic challenges to deliver quality education that enhances student learning and performance. Legat Architects' educational practice integrates design, education's goals and facility sustainability to develop creative solutions to promote learning and reduce building operational costs.

Meeting School Districts' Needs

Legat Architects, now in its fifth decade of designing schools, has worked with over 88 districts in Illinois totaling over 400 schools. This volume of work encompasses one of the largest K-12 portfolios in the region built from districts we have served for two decades or more. We offer a full range of services to respond to your district's needs:

- Master Planning
- Educational Programming
- Educational Specifications
- Grant Application Services
- LEED For Schools Certification
- Life Safety Surveys
- Facility Assessment Studies
- Capital Improvement Programs
- Building Envelope Services
- Architectural Design
- Interior Design
- Furniture & Equipment Selection
- Graphics & Signage
- Referendum Assistance

Sustainable Design

Enhancing energy efficiency and performance has become a necessity when planning a new facility or improving an existing campus. Our sustainable designs incorporate durability, maintainability, and student comfort (visual, thermal and acoustic), and maximize use of daylighting and site orientation to green school environments. Legat Architects' sustainable experts evaluate all building elements through material selection and analysis, energy modeling and life cycle costing to optimize energy performance.

Hubble Middle School, Warrenville, Illinois is a new middle school designed and built to the USGBC LEED for Schools® Standard. Thoughful planning of school site combined with a reduced square footage creates a energy and educationally efficient facility.

Niles North and West High Schools are the first high schools in Illinois to register for LEED EB: O&M (Existing Building: Operations and Maintenance). This assessment details the physical and operational system modifications required to certify these schools.

Leadership

Jason Lembke, AIA, LEED AP (director of K-12 education) and Rob Wroble, AIA, LEED AP (associate director of K-12 education) help our educational clients balance facilities, curriculum, and fiscal responsibility. With 32 years combined experience, they have led over $350 million in educational projects ranging from planning and programming to new construction.

Ranked 6TH
Midwest Construction magazine's 2010 "Top Educational Facilities Design Firms"

Ranked 52ND
Building Design + Construction magazine's 2009 "Top 75 K-12 School Design Firms"

# of Projects Last 10 Years

> New Schools
  6 high schools
    1 LEED-NC school
  14 middle/junior high schools
    2 LEED Design/certified schools
  22 elementary/middle schools
    1 LEED for Schools

> School Additions/Renovations
  44 high schools
    1 LEED for Schools
    1 LEED-EB O & M
  29 middle/junior high schools
  104 elementary/middle schools

% of Repeat Clients

> 85%

Educational Design Awards Last 5 Years

> 17

Memberships

> America's Schoolhouse Council, IASB, ASBO, AASA, NSBA, ISACS, CEFPI, OSBA

Student learning drives our education practice; at our design and construction boot camps, students of all ages learn about the design and building process.

PreK-12 Education Practice

Boone County
Belvidere CUSD 100

Champaign County
Champaign CUSD 4

Cook County
Arlington Heights SD 25
Barrington CUSD 220
CCSD 15
Chicago Public SD 299
East Maine SD 63
(Elk Grove) CCSD 59
Evergreen Park CHSD 231
Evergreen Park SD 124
Flossmoor SD 161
Forest Ridge SD 142
(Matteson) SD 159
Mount Prospect SD 57
Niles Twp. HS Dist. 219
North Palos SD 117
Park Ridge-Niles SD 64
Prairie Hills Elem. SD 144

Cook County
Prospect Heights SD 23
Proviso Twp. HS Dist. 209
Rhodes SD 84-5
Schaumburg CCSD 54
Sunnybrook SD 171
Thornton Twp. HS Dist. 205
Union Ridge SD 86

DuPage County
Addison SD 4
Butler Elementary SD 53
Cass SD 63
Center Cass SD 66
DAOES (Addison)
Elmhurst CUSD 205
(Glen Ellyn) CCSD 89
Glenbard Twp. HS Dist. 87
Gower SD 62
Marquardt SD 15
SASED (Naperville)
Wheaton-Warrenville CUSD 200

Grundy County
Coal City CUSD 1
Minooka CCSD 201
Morris SD 54

Henry County
Orion CUSD 223

Iroquois County
Central CUSD 4

Jo Daviess County
Warren CUSD 205

Kane County
Central CUSD 301

Kankakee County
Kankakee SD 111

LaSalle County
Miller Twp. CCSD 210

Lake County
Aptakisic-Tripp CCSD 102
Beach Park CCSD 3
Big Hollow SD 38
Deerfield SD 109
Emmons SD 33
Fox Lake Grade SD 114
Fremont SD 79
Grant Comm. HS Dist. 124
Grayslake CCSD 46
Grayslake Comm. HS Dist. 127
Gurnee SD 56
Hawthorn CCSD 73
Lake Bluff Elem. SD 65
Lake Villa CCSD 41
Lake Zurich CUSD 95
(Libertyville) Comm. HS Dist. 128
Lincolnshire-Prairie View SD 103
Millburn CCSD 24
Mundelein Cons. HS Dist. 120
North Chicago CUSD 187
Oak Grove SD 68
Round Lake CUSD 116
SEDOL (Gages Lake)
Twp. HS Dist. 113
Warren Twp. HS Dist. 121
Wauconda CUSD 118
Waukegan CUSD 60
Woodland CCSD 50
Zion SD 6

McHenry County
Alden-Hebron SD 19
Huntley SD 158
Johnsburg CUSD 12
McHenry CCSD 15
McHenry Comm. HS Dist. 156
Nippersink Cons. SD 2
Richmond-Burton CHSD 157
Woodstock CUSD 200

Rock Island County
Moline CUSD 40
Rockridge CUSD 300

Stephenson County
Freeport SD 145

Whiteside County
Sterling CUSD 5

Will County
Elwood CCSD 203
Laraway CCSD 70C
Mokena SD 159
New Lenox SD 122
Union SD 81

Winnebago County
Rockford SD 205

School Design Awards

Over the last 13 years, Legat Architects has received 60 awards for design that meets our clients' functional and aesthetic requirements. This equates to one award every two-and-a-half months. Below is a list of Legat Architects' award-winning school designs over the past five years:

2010

Award of Merit, Educational Environments Exhibition
Illinois Association of School Boards, Hubble Middle School, Wheaton, Illinois

Citation, Exhibition of School Architecture
National School Boards Assosiation, Niles North and West High School STEM Labs, Skokie, Illinois

Middle School Citation, Architectural Portfolio
American School & University, Hubble Middle School, Warrenville, Illinois

Project of the Year - Education Category, Best of 2010
Midwest Construction, Hubble Middle School, Warrenville, Illinois

2009

Honorable Mention, Educational Environments Exhibition
Illinois Association of School Boards, Woodstock North High School, Woodstock, Illinois

2008

Award of Merit, Educational Environments Exhibition
Illinois Association of School Boards, Wauconda High School, Wauconda, Illinois

Middle School Citation, Architectural Portfolio
American School & University, Colin Powell Middle School, Matteson, Illinois

2007

Award of Merit, 2007 Educational Environments Exhibition
Illinois Association of School Boards, Colin Powell Middle School, Matteson, Illinois

Decorative & Interiors Award, Metal Architecture Design Awards
Metal Architecture, University Center of Lake County, Grayslake, Illinois

Facility of the Year - Education Category, Best of 2007
Midwest Construction, Colin Powell Middle School, Matteson, Illinois

Gold Award, Excellence in Masonry 2007
Illinois/Indiana Masonry Council, University Center of Lake County, Grayslake, Illinois

Outstanding Design, 2007 Architectural Portfolio
American School & University, Licking Heights West Primary School, Blacklick, Ohio

2006

Doc Award, 2006 Solutia Doc Awards Competition
Solutia, Morton College Library, Cicero, Illinois

Thomas H. Madigan Award for Outstanding New Construction, 2006 Pride in Partnership Awards
Illinois Capital Development Board, University Center of Lake County, Grayslake, Illinois

Hubble Middle School
2010 *Midwest Construction*
Project of the Year

Niles North High School STEM Lab
2010 *National School Boards Assosiation*
Citation

Colin Powell Middle School
2008 *American School & University*
Middle School Citation

Sustainable Design Leadership

Chicago City Hall's Green Roof *(Image Courtesy of the City of Chicago)*

Legat Architects has been committed to **sustainable design** since the early 80s, when it designed its first green project featuring passive solar systems and wind turbine-based, renewable energy technologies. The firm's design philosophy promotes sustainable, high-performance buildings that maximize energy-efficiency, occupant wellbeing, and natural resource conservation. Legat Architects is currently designing a wide range of projects targeting various levels of LEED certification.

Chicago Catalyst for Change

Chicago City Hall's green roof launched a city-wide green initiative. Legat Architects played an important role in the design of this 33,000 square foot roof as the Architect of Record.

Performance-Monitored Green Roof

Wal-Mart's first green roof installed in Chicago was designed as the largest **performance-monitored green roof** in the world, totaling 74,000 square feet. Legat Architects was the Architect of Record.

LEED for Schools Certified Middle School

Hubble Middle School, certified for **LEED for Schools Gold**, features a green roof, outdoor learning gardens, and a light-filled learning resource center within a glass bridge. A park-like campus offers zero-irrigation landscaping, bioswales, permeable pavers, and a 4.5-acre wetlands area/ detention basin.

Greening Downtown

Mixed use developments in Oak Park and Elgin incorporate LEED design elements featuring the latest sustainable systems, materials, and technology. These developments support the goals of **transit-oriented developments** that help reduce commuting and overall energy use.

Revitalizing School Campuses

Current renovations at Niles North and West High School campuses, totaling **1,000,000 square feet,** will implement the **LEED-EB O&M** (Existing Buildings: Operations & Maintenance) certification to reduce energy costs and improve the operations and maintenance of these 50-year old facilities.

AIA 2030 Commitment

Legat Architects has signed the American Institute of Architects' AIA 2030 Commitment which challenges architects to take a leadership role in reducing energy consumption in the built environment.

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Sustainable Design Staff

With **84%** of Legat's design staff LEED accredited, our project teams pursue sustainability on all of the firm's projects. Legat's "Green Experts" have spoken to audiences on a variety of sustainability topics at local and regional events and industrial conferences in the U.S. and around the World.

Sustainable Services

Consulting

LEED feasibility studies
LEED project certification
building energy modeling
carbon footprint calculation
cost/benefit analysis
green policies/standards
grant funding research
grant writing

Planning

green campus planning
green community planning
"smart growth" development

Architecture

high-performance design
whole-building design
living-building design
green roof design
renewable energy integration

LEED-Based Design

LEED for Homes
LEED for Schools
LEED-CS (core and shell)
LEED-CI (commercial interiors)
LEED-ND (neighborhood development)
LEED-NC (new construction)
LEED-EBOM (existing buildings, operations & maintenance)

Green Grants

Legat Architects has assisted clients in obtaining **$1,400,000** in green building grant funding since 2005.

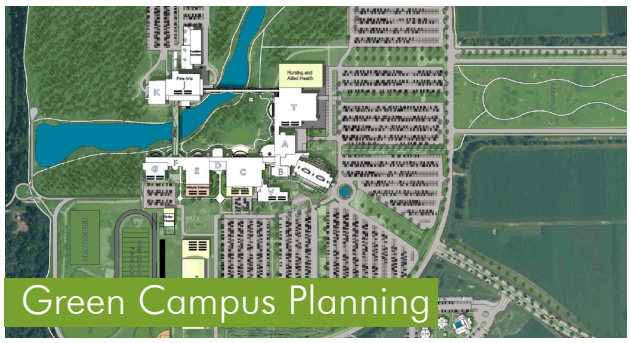
Professional Affiliations

COTE
AIA Chicago Committee of Environment

US Green Building Council
USGBC Chicago Green Schools

CHPS - Collaborative for High Performance Schools

American Schoolhouse Council Green Team



"Relative to sustainability, I see our role extending beyond that of a traditional design firm: we are becoming active partners in greening our clients' businesses."

- Vuk Vujovic, Associate AIA, LEED AP,
Director of Sustainable Design

LEED Projects

- Hubble Middle School
  LEED for Schools Gold Certified
- Robert Companies Headquarters Renovation
  LEED-CI Gold Certified
- Village of Wilmette Public Works Expansion/Renovation
  LEED-NC Gold Certified

- Joliet Junior College, Campus Center
  Registered for LEED-NC Gold
  Facilities Services Building
  Registered for LEED-NC Silver
  Greenhouse Facility
  Registered for LEED Certification
  Health Professions Center
  Registered for LEED-NC Silver
  Natural Sciences Building
  Registered for LEED-NC Silver
- Lutheran School of Theology at Chicago/McCormick Theological Seminary, Campus-wide Renovation
  Registered for LEED-NC Gold
- Mariano Azuela Elementary School
  Registered for LEED for Schools Gold
- Moraine Valley Community College, Southwest Education Center
  Registered for LEED-NC Gold
- New Boston K-12 School
  Registered for LEED for Schools Gold
- Niles North / West High Schools
  Registered for LEED-EB O&M Gold
- Niles West High School, Six-Classroom Addition
  Registered for LEED for Schools Gold
  Gymnasium and Training Room Additions
  Registered for LEED for Schools Gold
- The Randolph Hotel
  Registered for LEED-NC Silver

Vuk Vujovic, Associate AIA, LEED AP | Director of Sustainable Design | vvujovic@legat.com

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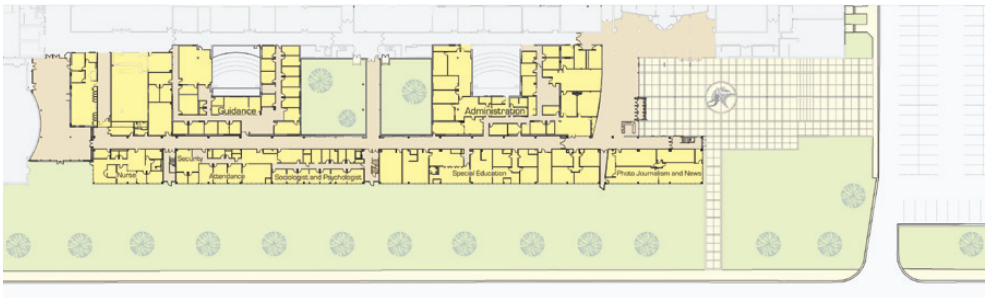
Section 3 Relevant Experience

Niles Township High School District 219



Niles North & West High Schools
Design/Build
Additions & Renovations
Registered for LEED-EB O&M® Gold Certification

Over $111 million in additions and renovations at Niles North and West High Schools was designed under a design/build project delivery. This major renovation project was led by Legat Architects as the single point of responsibility for design and construction.

With over 400,000 SF in additions and renovations and 600,000 SF in infrastructure improvements, this marks the largest Illinois educational project completed in 2004. All three phases of construction were completed on time and under budget.

The work reorganizes space to improve educational delivery and expand program offerings for the district's 4,700 students. Shared faculty office and student resource areas bring students and faculty closer. Complementary faculty department offices (e.g., math and science, English and social studies) are grouped together.

Infrastructure improvements include replacing 40-year-old mechanical/electrical/plumbing and technology systems in both buildings.

First LEED-EB O&M High Schools Registered in Illinois

These are the first high schools in Illinois to register for the *LEED - Existing Buildings: Operations & Maintenance* certification. EB O&M tools outline how existing buildings can reduce their impact on the environment. Legat Architects analyzed the building systems, operations, and maintenance of both district high schools, then provided strategies to achieve certification.

Awards/Recognition

Greenbuild Chicago 2010 video, U.S. Green Building Council
Merit Award, Best of 2004, *Midwest Construction*

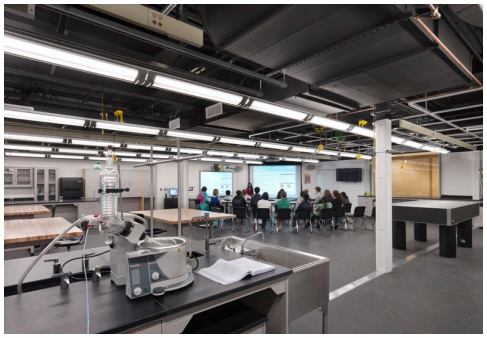
Niles Township High School District 219

Awards/Recognition

Citation, 2010 Exhibition of School Architecture, National School Boards Association

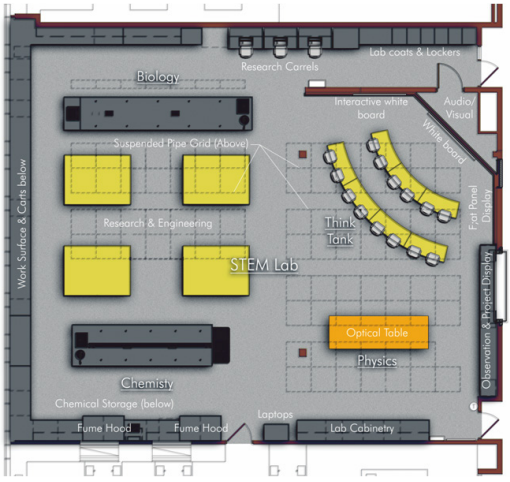
"...excellent opportunities for students to brainstorm and collaborate on scientific issues. These multi-disciplines represent a best practice for STEM laboratories."
~ National School Boards Association 2010 awards jury

Lab Zone



Think Tank

Observation window



Floor plan - Niles North

Floor plan (before) - Niles North

Niles North & West High Schools Science/Technology/Engineering/ Mathematics (STEM) Labs

STEM labs at Niles North and West High Schools were carved out of existing space in each school. In the new labs, chemistry, biology, and physics merge with engineering and mathematics.

The 2,860 SF (North) and 2,970 SF (West) labs offer collegiate-level applications and sophisticated technologies to optimize research, interaction, and critical thinking.

Each lab has two primary zones that allow independent study and group sessions to occur simultaneously. The **Think Tank** encourages students to think out loud and supports global conferencing. It offers full AV input and output, a plasma TV, projectors/screens, and interactive white boards.

In the **Lab Zone**, students have everything they need to apply lessons toward real-life problem solving: flexible configurations, storage, places to plug in, and equipment.

Movable tables and individual work carts that roll under counters give students the flexibility to conduct many experiments. . An overhead gridding system and large tabletops allow for optimal connections to equipment, while speakers and microphones transmit throughout the lab.

Estimated/ Actual Completion Date
August, 2009

Estimated Construction Cost
$850,000 (both)

Actual Construction Cost
$850,000 (both)

Cost Per Square Foot
$146

Reference
Paul O'Malley
Assistant Superintendent,
Business Services
847.626.3967

Glenbard Township High School District 87

Glenbard North High School

Glenbard West High School

Capital Infrastructure Improvements
Since 2003, Legat Architects has led over $21 million in facility maintenance and code compliance projects at the third-largest high school district in Illinois. The projects improve safety, energy efficiency, and equity at all four schools, ranging from 250,000 to 450,000 SF.

Every year, we lead planning sessions to review and prioritize the five-year master plan of anticipated capital improvements projects. We have also completed an outdoor instructional space assessment and a 10-year safety survey.

Maintenance work includes interior renovations, security enhancements, mechanical and electrical upgrades, site improvements, façade maintenance, roofing replacement, and athletic field improvements. Examples of specific projects include:

- access and intrusion detection systems installation
- air handling unit replacements
- choir room renovations
- fire detector installation
- flooring replacement
- outdoor grandstands restoration
- parking lot replacement
- synthetic turf installation

Estimated/ Actual Completion Date
Ongoing since 2003

Estimated Construction Cost
$21,000,000

Actual Construction Cost
$21,000,000 (to date)

Reference
Bob Verisario
Director of Facilities
630.469.9100 x2868

Proviso East and West High Schools

Life Safety Survey & High School Renovations
Legat Architects has served as the district's architect providing ongoing life safety updates and renovations at the Proviso East and West High Schools campuses.

The scope of life safety work involved replacement of piping, doors, windows, roofing, HVAC systems, and handicapped accessibility renovations. Site improvements ranged from sidewalk replacement and lighting upgrades and other exterior masonry repairs

One project involved researching, analyzing, and improving the student behavioral problems the district was having. The research resulted in the installation of an enhanced security system that benefited the district in several ways:

- Decreased infractions in 28 of 41 categories of disciplinary code
- Disciplinary referrals reduced by 29%
- Suspensions reduced by 32%
- Expulsions reduced by 50%

Estimated/ Actual Completion Date
Multiple Projects 1995 - 2005

Estimated Construction Cost
Varies by Project

Actual Construction Cost
Varies by Project

Cost Per Square Foot
Varies by Project

Reference
Ron Anderson
Director of Operations & Maintenance
773.619.3727

Wheaton-Warrenville South High School
Wheaton North High School (Grades 9-12)

Additions & Renovations
Wheaton Warrenville South High School operated 26 mobile classrooms, while Wheaton North High School operated 22. Still, traffic afflicted the main buildings. Between periods, students, shoulder-to-shoulder, often clogged corridors. Also, the facilities did not support Wheaton Warrenville School District's recently enhanced curriculum.

Today, the mobile classrooms are gone. As students walk into 40% larger schools, inspiration greets them: updated materials, natural light streaming through clerestory windows, food kiosks, new College & Career Centers, and much more space.

The revitalized high schools offer technology-rich, flexible spaces that meet the district's curricular needs, and encourage students to think about their future every day. The project stems from a $72 million referendum that Legat helped the district pass.

Project Highlights
- New commons areas designed with a "Town Square" concept function as activity spaces that offer "store front" access to offices and the College and Career Center.
- Satellite libraries called "Resource Centers" are located next to faculty offices, providing more opportunities for group or one-on-one assistance from teachers.
- New corridors improve circulation, providing a loop with direct access to physical education spaces (previously inaccessible directly from the corridor)

Awards/Recognition
Displayed, 2007 Exhibition of School Architecture, National School Boards Association

Displayed, 2006 Educational Environments Exhibition, Illinois Association of School Boards

Wheaton-Warrenville South High School
Wheaton North High School (Grades 9-12)

Commons Areas Provide Stimulating, Flexible Spaces
The commons area at both schools is more flexible than a conventional cafeteria; in the course of a day, it can transform from student socialization space (with a "cyber café" aura), to awards dinner space, to athletic or performing arts event gathering space.

Commons features include:

- Clerestory windows wrap around the space, displaying views to the sky and welcoming natural light to create an outdoor, "streetscape" feel.
- Food kiosks offer "grab 'n go" lunches.
- Computer drops provide the opportunity for future wireless access.
- Glass-enclosed College & Career Centers support the District's emphasis on preparing students for college.

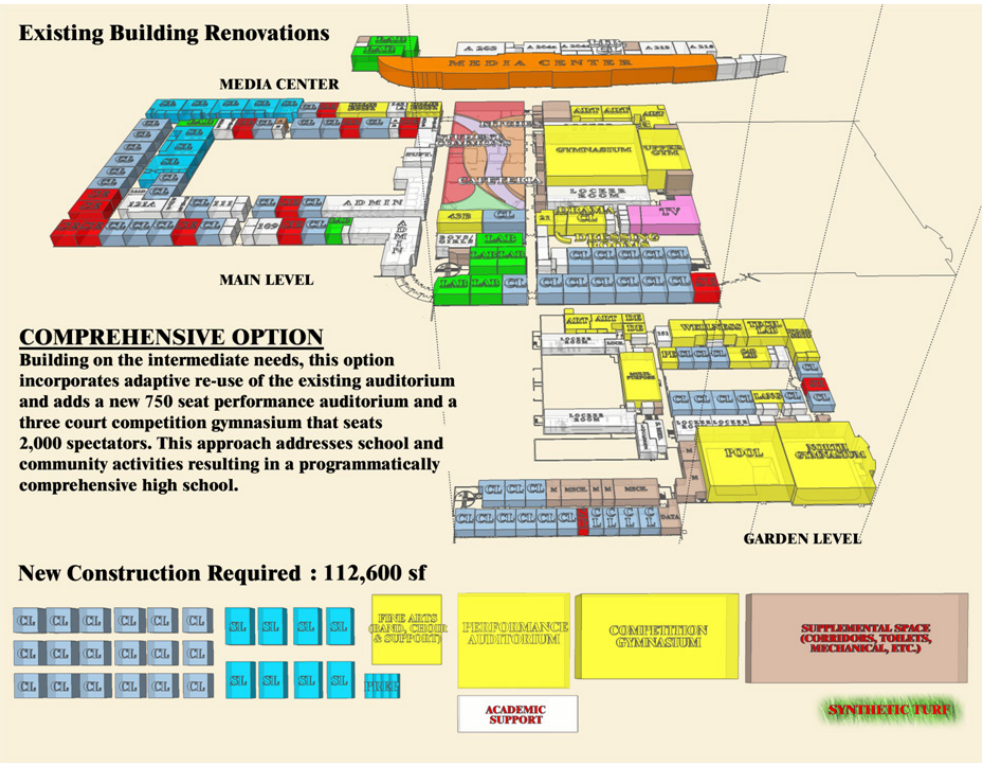
Estimated/ Actual Completion Date
August, 2006

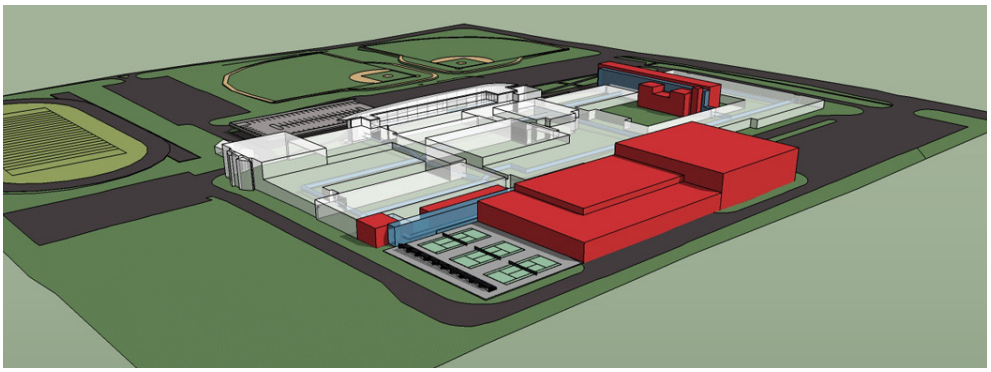
Estimated Construction Cost
$65,000,000

Actual Construction Cost
$62,700,000

Reference
Bill Farley
Assistant Superintendent of Business Operations
630.682.2025

Mundelein High School





Existing
New Construction
Circulation

Reference
Dr. Jody Ware
Superintendent
847.949.2200x1211

Campus Master Planning
A comprehensive master plan for Mundelein High School's 325,000 SF facility and surrounding campus incorporates community input to help the district address: capacity concerns; achieve a programmatically comprehensive high school; improve infrastructure; reduce class sizes; and offer more student life options.

Legat Architects led a series of community engagement sessions to address capacity and the facility condition issues. Each session included 60-70 community and faculty members, and covered a different topic (e.g., fine arts, athletics, cafeteria, classrooms, finance). Sessions with faculty and staff from every department were conducted separately.

Input from these sessions was used to create four options: do nothing or construct at the basic, intermediate, and comprehensive level.

The comprehensive option was selected which enables the district to raise capacity from 1,670 to 2,500 students. Legat Architects developed a programmatic building model that incorporates the proposed changes.

112,600 SF in additions include a new competition gymnasium, a performance auditorium, and a three-story classroom wing, as well as new fine arts space. Renovations, covering over 200,000 SF, include added classrooms, and enhanced space for programs in TV production, fine arts, industrial technology, and science. The existing auditorium and cafeteria will be transformed into a vibrant student commons.

The proposed changes also improve circulation, modernize building systems, and ease concerns that the needed spaces could not fit on the existing site.

Sustainable Grant Funding

Legat Architects has helped clients obtain $1,436,000 in grants for sustainable research, design, and construction since 2005.

Elementary School District 159 Matteson, IL
Colin Powell Middle School
Grant: Design grant
Amount: $75,000 (ICECF)
Grant: Geothermal heating and cooling system
Amount: $90,000 (ICECF)

Kankakee Community College IL
Arts & Sciences Building *Designed to LEED-NC® Silver Standards*
Grant: Design grant
Amount: $55,000 (ICECF)

Joliet Junior College IL
Campus Center *Registered for LEED-NC® Gold*
Grant: Geothermal heating and cooling system
Amount: $90,000 (ICECF)
$250,000 (DCEO)

Facilities Services Building *Registered for LEED-NC® Silver*
Grant: Geothermal heating and cooling system
Amount: $40,000 (DCEO)

Lutheran School of Theology at Chicago
McCormick Theological Seminary Chicago, IL
Integrated Conceptual Architectual Design *Registered for LEED-NC® Gold*
Grant: Design grant
Amount: $135,000 (ICECF)

Moraine Valley Community College Palos Hills, IL
Southwest Education Center (Tinley Park, IL) *Registered for LEED-NC® Gold*
Grant: Design grant
Amount: $135,000 (ICECF)
Grant: Geothermal heating and cooling system
Amount: $90,000 (ICECF)
$116,000 (DCEO)

Niles Township High School District 219 Skokie, IL
Niles West High School 2010 Athletic Training and Gymnastic Gymnasium Addition
Registered for LEED for Schools® Gold
Grant: Design grant
Amount: $150,000 (ICECF)

Village of Wilmette IL
Public Works Facility Additions/Renovations *Registered for LEED-NC® Gold*
Grant: Design grant
Amount: $75,000 (ICECF)

Wheaton Warrenville Community Unit School District 200 Wheaton, IL
Hubble Middle School *Registered for LEED for Schools® Gold*
Grant: Design grant
Amount: $135,000 (ICECF)

Hubble Middle School features energy-efficient mechanical/electrical/plumbing systems, drought-resistant landscaping, green and reflective roofs, and permeable parking lots. Also, its learning gardens, outdoor studios, and surrounding wetlands support art and science lessons.

The glass curtain wall at Kankakee Community College's Arts & Sciences Building incorporates a building-integrated photovoltaic system that helps power parts of the facility, and celebrates the college's commitment to alternative energies.

Granting Agencies
DCEO - Department of Commerce and Economic Opportunities
ICECF - Illinois Clean Energy Community Foundation

LEGATARCHITECTS

Major Life Safety Projects

Following is an abridged list of educational clients for which Legat Architects has completed life safety surveys and projects. An (R) indicates the project included roofing:

Alden-Hebron School District 19 (R), Hebron, Illinois
Butler Elementary School District 53 (R), Oak Brook, Illinois
Center Cass School District 66 (R), Darien, Illinois
Central Community Unit School District 301, Burlington, Illinois
Central Community Unit School District 4, Clifton, Illinois
Coal City Community Unit School District 1, Coal City, Illinois
Community Consolidated School District 59 (R), Arlington Heights, Illinois
Community Unit School District 220 (R), Barrington, Illinois
Elgin Community College, Elgin, Illinois
Elwood Consolidated Community School District 203 (R), Elwood, Illinois
Emmons Elementary School District 33, Antioch, Illinois
Evergreen Park Elementary School District 124 (R), Evergreen Park, Illinois
Flossmoor School District 161 (R), Flossmoor, Illinois
Forest Ridge Elementary School District 142 (R), Oak Forest, Illinois
Freeport School District 145 (R), Freeport, Illinois
Glen Ellyn Community Consolidated School District 89 (R), Glen Ellyn, Illinois
Glenbard Township High School District 87 (R), Glen Ellyn, Illinois
Hawthorn Community Consolidated School District 73 (R), Vernon Hills, Illinois
Huntley School District 158 (R), Huntley, Illinois
Johnsburg Community Unit School District 12 (R), McHenry, Illinois
Lake County Area Vocation Center, Grayslake, Illinois
Marquardt School District 15 (R), Glendale Heights, Illinois
Mokena School District 159 (R), Mokena, Illinois
Moline Community Unit School District 40 (R), Moline, Illinois
Moraine Valley Community College, Palos Hills, Illinois
Mount Prospect School District 57 (R), Mount Prospect, Illinois
Mundelein Consolidated High School District 120 (R), Mundelein, Illinois
New Lenox School District 122 (R), New Lenox, Illinois
Niles Township High School District 219 (R), Skokie, Illinois
Nippersink School District 2 (R), Spring Grove, Illinois
North Chicago School District 187 (R), North Chicago, Illinois
Northwest Suburban Special Education Organization (NSSEO), Mount Prospect, Illinois
Oak Grove School District 68, Green Oaks, Illinois
Prairie Hills Elementary School District 144 (R), Markham, Illinois
Proviso Township High School District 209 (R), Maywood, Illinois
Rhodes School District 84.5, River Grove, Illinois
Schaumburg Community Consolidated School District 54 (R), Schaumburg, Illinois
School District 159 (R), Matteson, Illinois
Technology Center of DuPage, Addison, Illinois
Thornton Township High School District 205 (R), South Holland, Illinois
Township High School District 113 (R), Highland Park, Illinois
Union Ridge School District 86, Harwood, Illinois
Warren Community Unit School District 205, Warren, Illinois
Wauconda School District 118, Wauconda, Illinois
Waukegan Community Unit School District 60 (R), Waukegan, Illinois
Wheaton-Warrenville Community Unit School District 200 (R), Wheaton, Illinois
Whiteside Area Vocational Center, Sterling, Illinois
William Rainey Harper College, Palatine, Illinois
Woodstock Community Unit School District 200 (R), Woodstock, Illinois

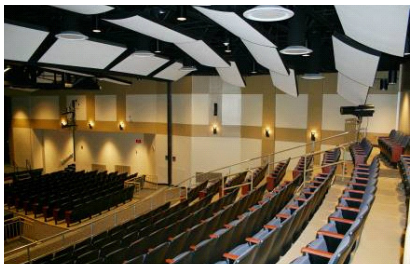
Over the past seven years, Legat Architects has led over $21 million in life safety projects at Glenbard Township High School District 87.

A $3 million life safety project at Woodstock Community Unit School District 200 includes major roof repairs at several facilities.

Consultant Relevant Experience

AMSCO Engineering Inc.

Curently on Engineering Retainer with Oak Park and River Forest HSD 200



Health Life Safety Work
Township High Schools, District 211
Maine Township High Schools, District 207
Glen Ellyn Multiple Schools, District 41
Evanston District-Wide Program, District 65
Matteson Multiple Schools, District 162
Wheeling Multiple Schools, District 21
LaGrange Multiple Schools, District 102
Villa Park Multiple Schools, District 45
Yorkville Multiple Schools, District 115
Hinsdale Multiple Schools, District 181
Burbank Multiple Schools, District 111
Plano Multiple Schools, District 88
Barrington Multiple Schools, District 220
Buffalo Grove Multiple Schools, District 96

HVAC Retrofit/Electrical Upgrades Schools
Rich Township High Schools, District 227
Batavia High School, District 101
Lake Park High School East, District 108
Township High Schools, District 211
Darien Schools Multi-zone Replacement, District 61
Jefferson Jr. High School Rooftop Replacement, District 68
Wheaton North High School, District 200
Riverside/Brookfield High School, School District 208
Evanston School District Multiple Schools, District 65

Lighting Projects
Miner and Rand Schools, District 25
Hoffman Estates High School, District 211
Elmwood Park High School, District 401
Minooka Theater Dimming System, District 111

Technology Systems
Worth Schools, District 127
Minooka Schools, District 111
Lake Park Schools, District 108
Berwyn Schools, District 98

Co-Generation Facilities
Wheaton North High School, District 200
Lake Park East High School, District 108
Lake Park West High School, District 108

AMSCO
ENGINEERING INC.

Consultant Relevant Experience

Larson Engineering, Inc.

Lake Zurich High School Lake Zurich, IL
Larson Engineering, Inc. provided structural engineering services for the additions and renovations at Lake Zurich High School. The additions included a new math, science and technology wing with 17 new classrooms, a 750-seat auditorium and a new field house. The addition added 110,262 square feet of space to the high school. The total construction cost was $34.8 million.

Naperville Central High School Naperville, IL
Larson Engineering, Inc. provided structural engineering services for the additions and renovations at Naperville Central High School. The new construction includes one-story and three-story additions consisting of a large volume atrium/cafeteria, gymnastics area, weight room, academic rooms, new elevated roof framing at the existing music rooms, and renovations to the existing academic, office, and other rooms totaling over 420,000 square feet. Construction is scheduled to be completed in fall of 2011.

DuPage High School District 88 Renovations Addison, IL
Larson Engineering, Inc. provided structural engineering services for $116 million in renovations at 2 DuPage High School District 88 schools. Addison Trail High School's renovations include a three-story, 24,000 square foot classroom addition, one-story, 20,000 square foot student commons addition and a 42,000 square foot field house addition. Willowbrook High School's renovations include a one-story, 6,000 square foot music addition, two stair tower additions and a 42,000 square foot field house.

Riverside Brookfield High School Riverside, IL
Larson Engineering, Inc. provided structural engineering services for 86,800 square feet of new construction and 205,000 square feet of renovations to Riverside Brookfield High School. Additions included a two-story classroom at the northwest corner of the facility, one-story infills of existing courtyards and a field house at the northeast corner of the facility. Renovations included the relocation of the main boiler/mechanical rooms and expansion of the swimming pool. Total construction cost was $64 million.

York High School Elmhurst, IL
Larson Engineering, Inc. provided structural engineering services for the renovations to York High School. This 600,000 square foot high school includes a field house, competition gymnasium, Learning Resource Center (LRC), food service/cafeteria space and a 300,000 square foot, 3-story academic building. The total construction cost was $84 million.

Pekron Consulting, Inc.

Asbestos Abatement
Glenbard North High School, Glenbard Township HSD 87
Glenbard South High School, Glenbard Township HSD 87
Glenbard East High School, Glenbard Township HSD 87
Glenbard West High School, Glenbard Township HSD 87
Elmer Franzen Intermediate School, Itasca School District 10
F.E. Peacock Middle School, Itasca School District 10

Section 4 Organization

LEGATARCHITECTS

Organization Chart

OAK PARK & RIVER FOREST HIGH SCHOOL DISTRICT 200

PROJECT PRINCIPAL

Patrick Brosnan, AIA, LEED AP

PROJECT MANAGER

Rob Wroble, AIA, LEED AP

DESIGN TEAM

PROJECT ARCHITECT
Jeffrey Sandberg, AIA, LEED AP

LIFE SAFETY/CODE COMPLIANCE SPECIALIST
Berry DeSimone

CONSTRUCTION OBSERVATION/
BUILDING ENVELOPE SPECIALIST
Mark Siwik, AIA, LEED AP

CONSULTANTS

MECHANICAL/ PLUMBING/FIRE PROTECTION ENGINEERING
AMSCO Engineering

STRUCTURAL ENGINEERING
Larson Engineering

ENVIRONMENTAL ENGINEERING
Pekron Consulting

*Please find consultant information at the end of this section

Team Organization
We have assembled our architectural and engineering design team to provide Oak Park and River Forest HSD 200 with the capabilities, experience, and leadership to execute the range of projects anticipated for the summer of 2011 and future district projects. Our A/E team consists of educational planners, architects, code and building envelope specialists, building engineers and environmental engineers.

Proven Leadership with District Capital Improvement Projects
Our team will be led by Rob Wroble, AIA, LEED AP as the day-to-day Project Manager. Rob has specialized in the design and implementation of fast track capital improvement projects for numerous school districts. His knowledge and performance on these types of projects will ensure Legat Architect will accomplish the district's critical deadlines. Rob has relied on AMSCO Engineering (MEP Engineer), our proposed engineer, on numerous similar projects to provide cost effective engineering solutions. Additionally, AMSCO's knowledge of the Oak Park/ River Forest High School will reduce the learning curve of our design team and our ability to expedite the 2011 summer project.

Our additional consultants, Larson Engineering (Structural Engineering) and PEKRON Consulting (Environmental Engineering), both bring significant K12 experience and past performance with Legat Architects to round out our A/E team resources to serve Oak Park and River Forest HSD 200.

Patrick J. Brosnan, AIA, LEED AP, REFP

Profile

Patrick is a nationally recognized educational architect and Principal of Legat Architects' Education practice. In his 23 years of experience, he has grown the firm's practice into a national leader through his stewardship, planning creativity and exceptional attention to client service.

His passion for high performance, sustainable architecture has resulted in numerous award-winning, LEED certified K-12 schools and applied learning style research projects in classroom design. His portfolio of work features over 50 school districts and private schools. He has helped public school districts pass over $600 million in successful bond funding for school construction.

Glenbard Township High School District 87 Glen Ellyn, IL
Capital Improvement Work at Four High Schools (2003 - present)

Niles Township High School District 219 Skokie, IL
Additions and Renovations at 2 High Schools - Programming

Proviso Township High School District 209 Maywood, IL
Proviso Mathematics & Science Academy
Proviso East and West High Schools Life Safety Correction Work

Wheaton Warrenville Community Unit School District 200 Wheaton, IL
Hubble Midde School *LEED for Schools Gold Certified*
Additions to Wheaton North High School & Wheaton Warrenville South High School

PROJECT ASSIGNMENT:
Project Principal

A QUICK LOOK:

- Principal
- 21 Years with Legat Architects
- Bachelor of Architecture, University of Illinois
- Licensed Architect in Illinois, Wisconsin
- Member, American Institute of Architects
- LEED Accredited Professional
- Recognized Educational Facility Planner (REFP), Certified by Council of Educational Facility Planners International (CEFPI)

Rob Wroble, AIA, LEED AP

Profile

Rob is an accomplished architect with over 19 years of experience in all phases of programming, project management, design and construction. As Associate Director of the K-12 Education Practice at Legat Architects, he leads many of the firm's significant educational projects, responsible for client communication, planning, design, cost estimating, scheduling, and consultant management. His educational portfolio has specialized in the evaluation, planning and renovation of district-wide school facilities to maximize their life cycle and reduce maintenance costs. He has led multi-campus, capital improvement projects for numerous school districts throughout the Midwest.

Glenbard Township High School District 87 Glen Ellyn, IL
Capital Improvement Work at Four High Schools (2003 - present)

Proviso Township High School District 209 Maywood, IL
Proviso Mathematics & Science Academy
Proviso East and West High Schools Renovations
Facilities Improvement Projects; Bleacher and Locker Removal and Replacement

Wheaton Warrenville Community Unit School District 200 IL
Additions and Alterations to Madison Elementary School
Phase II Additions and Alterations to Wheaton Warrenville South High School

PROJECT ASSIGNMENT:
Project Manager

A QUICK LOOK:

- Associate Director | K-12 Education Practice
- 17 Years with Legat Architects
- Master of Architecture, University of Illinois
- Bachelor of Science Architecture, University of Illinois
- Licensed Architect in Illinois
- LEED Accredited Professional
- Member, American Institute of Architects

Jeff Sandberg, AIA, LEED AP

Profile

Jeff has over 12 years of architectural experience involving all phases of design, construction documents and construction administration. His portfolio includes a wide range of project types: educational, municipal and religious facilities. He has served as project architect and a member of project teams for complex additions and renovations, as well as fast track educational projects.

Wheaton Warrenville Community Unit School District 200 IL
Additions and Renovations at Emerson and Weisbrook Elementary Schools
Additions and Renovations at Wheaton North High School

Forest Ridge School District 142 Oak Forest, IL
Additions and Renovations to 3 Schools

Wauconda Community Unit School District 118 IL
Grade School Renovation and Middle School Renovations/Fitness Center Addition

Marquardt School District 15 Glendale Heights, IL
Marquardt Middle School Commons Addition
New Administration Building
Life Safety Improvements at 5 Schools

PROJECT ASSIGNMENT:
Project Architect

A QUICK LOOK:

- Architect
- 11 Years at Legat Architects
- Master of Architecture, University of Illinois
- Master of Science in Civil Engineering, University of Illinois
- Bachelor of Science in Architecture, University of Illinois
- Licensed Architect in Illinois
- LEED Accredited Professional
- CDB Certified Project Manager
- Member, American Institute of Architects

Berry DeSimone

Profile

Berry has over 37 years of experience in the architecture and construction industries. As director of Legat's Code Compliance group, he ensures that all projects provide maximum safety for occupants, and adhere to local and state codes. His experience includes life safety code reviews/correction work, ADA reviews/recommendations, and facilities assessments at over 250 facilities.

Proviso Township High School District 209 Maywood, IL
Life Safety Correction Work at 2 High Schools
Mechanical Upgrades
Life Safety Correction Work - 2 Buildings

Niles Township High School District 219 Skokie, IL
Life Safety Review 2 Buildings
Facilities Assessment

Wheaton Warrenville Community Unit School District 200 Wheaton, IL
Life Safety Correction Work at 20 - Buildings

Evergreen Park High School District 231 Evergreen Park, Illinois
Life Safety Correction Work - 1 Building

PROJECT ASSIGNMENT:
Life Safety/Code Compliance Specialist

A QUICK LOOK:

- Director of Code Compliance
- Principal/Building Envelope Services
- Principal
- 18 Years with Legat Architects
- University of Illinois, School of Architecture
- DePaul University of Chicago, School of Business
- CDB Certified Project Manager
- Member, National Fire Protection Association
- Member, BOCA International

Mark Siwik, AIA, LEED AP

Profile

With over 27 years of architectural experience, Mark has been involved in all phases of architectural design, project management, contract document production, specification writing, and construction observation. With his technical skills in construction, Mark has served as the lead Construction Architect for many of Legat's significant projects and clients, such as the Chicago Public Schools. He has served in various commitments during construction from weekly job-site observation to full time, on-site construction administration.

Niles Township High School District 219 Skokie, IL
Major Additions to Two High Schools
Roofing Removal and Replacement at Niles North High School

Wheaton-Warrenville Community Unit School District 200 Wheaton, IL
Major Additions at Two High Schools

Proviso Township High School Maywood, IL
Construction Administrator for Additions and Renovations at Two High Schools
Masonry Repairs at Two High Schools

Thornton THSD 205 IL
Mechanical/Electrical/Plumbing Upgrades at 3 High Schools
Navistar Lab at Thornton Township High School
Tuckpointing/Masonry Restoration at 3 High Schools

PROJECT ASSIGNMENT:
Construction Observation/
Building Envelope Specialist

A QUICK LOOK:

- Construction Observer
- Building Envelope Specialist
- 15 Years with Legat Architects
- Bachelor of Science in Architecture, Southern Illinois University
- Licensed Architect in Illinois
- LEED Accredited Professional
- CDB Certified Project Manager
- Member, American Institute of Architects
- Member, Building Enclosure Council
- Self-cerrtified Architect with City of Chicago

LEGATARCHITECTS

Daniel G. Wesley, PE, CxA LEED AP, BD+C

Profile

Mr. Wesley is a Registered Professional Engineer in Illinois, Michigan, Wisconsin and Maine. Dan is the President of AMSCO Engineering Inc. and his engineering design experience covers a multitude of public and private sector projects primarily in education facility design.

As a Project Executive, Mr. Wesley helps to insure the project team's timely and thorough execution in all areas of project delivery. He utilizes his extensive design expertise and project management skills to successfully coordinate all phases of a building program involving preliminary building surveys, design studies, bid document preparation, field observation and the completion of punch list items.

Mr. Wesley's main area of emphasis involves the analysis and design of energy-efficient heating and cooling systems for new facilities and the retrofit of existing buildings. He also spearheads investigations for the proper design of piping and pumped systems, large chilled water systems, hot water and steam systems as well as the design of specialized fume and duct collection systems for laboratory, shop and repair facilities. He has extensive experience in the design of fire protection systems and domestic water drainage.

PROJECT ASSIGNMENT:
MEP Engineering Principal

A QUICK LOOK:

- Project Executive
- Bachelor of Science, Mechanical Engineering, Milwaukee School of Engineering
- Registered Professional Engineer, IL, MI, WI, ME
- Member, National Society of Professional Engineers (NSPE)
- Member, American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE)

AMSCO
ENGINEERING INC.

Daniel K. McCurdy, EIT, LEED AP

Profile

Mr. McCurdy is a Registered Professional Engineer Intern in Illinois. As a Project Manager for AMSCO Engineering Inc., Dan has supervised design teams on numerous projects for educational, municipal, institutional and private sector projects. He has over 18 years field supervision experience for a wide variety of building systems and was a facilities director at Glen Ellyn School District 41 for 6 years managing the operations and maintenance of 8 buildings. His background enables him to provide cost effective design solutions very much in tune to the building owner while minimizing problems faced by contractors during installation. Recent projects include HVAC Upgrades at Highland Park School District 113, Glen Ellyn School District 41, and HVAC Upgrades at the High Schools in Glenbard School District 87.

Mr. McCurdy's responsibilities as Project Manager include establishing design standards, defining scope of work and exploring options sympathetic to the project budget. He sees that the mechanical and electrical group leaders are completing tasks on time and maintaining good lines of communication with all project stakeholders. Dan is also AMSCO's Director of Mechanical Engineering and sees that our mechanical engineers keep current with emerging technologies and design standards. His extensive experience covers a broad spectrum in engineering design challenges relative to heating, ventilation and air conditioning systems including the design of large chilled water, hot water and steam systems, domestic water supply and drainage and fire protection systems design.

PROJECT ASSIGNMENT:
Mechanical & Plumbing Engineer

A QUICK LOOK:

- Project Manager - Mechanical
- 18 Years of Experience
- Bachelor of Science in Mechanical Engineering, Illinois Institute of Technology
- Associate in Engineering Science, College of DuPage
- LEED Accredited Professional
- Member, Illinois Society of Professional Engineers (ISPE)

AMSCO ENGINEERING INC.

Brian G. Kottman, PE, LEED AP

Profile

Mr. Kottman is a Registered Professional Engineer in Illinois and is also a LEED Accredited Professional. He has over 16 years electrical engineering experience and has a broad range of project experience. His main areas of responsibility include lighting, power distribution, low-voltage systems including fire alarm, intercom, video, security, data and telephone systems. He has designed systems for all types of buildings including schools, colleges and universities, commercial, health care, libraries, recreational facilities, municipal buildings, senior living facilities and retail establishments which include restaurants.

As Electrical Project Manager, Brian coordinates the electrical design work on project teams he is assigned to in tandem with the Mechanical Project Manager. During pre-design, he performs building surveys, code review, feasibility studies and economic analysis reports to establish design options and cost estimates. His responsibilities include participation in all relative jobsite meetings during construction and field verification of contractor compliance regarding the quality of workmanship defined in drawings and specifications.

One of Mr. Kottman's most recent and impressive projects was the $55 million Lake Park High School District 108 Additions and Renovations. He was lead electrical engineer on the renovation of two, 180,000 SF high schools with two, 80,000 SF additions. Lighting design included networked time controls, specialty area dimming and exterior/landscape lighting.

PROJECT ASSIGNMENT:
Project Manager - Electrical Engineering

A QUICK LOOK:

- Project Manager - Electrical
- Bachelor of Science, South Dakota State University
- Registered Professional Engineer, IL
- LEED Accredited Professional

AMSCO ENGINEERING INC.

Dale R. Johnson, PE, LEED AP

Profile

Mr. Johnson is a registered professional engineer in Illinois and has extensive electrical engineering experience providing a diverse range of design solutions relative to building electrical distribution, lighting, telecommunications, security, information technology and fire detection systems. He has designed systems for all types of buildings primarily educational facilities and has been chief electrical engineer for many large scale high school projects involving new construction and extensive retrofit improvements.

As Electrical Team Leader, Dale oversees all electrical design work generated by AMSCO and works in tandem with the Mechanical Team Leader on individual projects. During pre-design, he performs building surveys, feasibility studies and economic analysis reports to establish design options and cost estimates. For projects specific to electrical engineering design, Mr. Johnson takes a greater leadership role as Chief Electrical Engineer to make sure a project is successfully coordinated.

Mr. Johnson's design credentials include the installation of co-generation facilities, emergency power generators, standby systems and telephone distribution systems. He has designed specialized lighting systems for a wide range of interior spaces such as computer rooms, theaters, commercial and administrative offices, classrooms, gymnasiums and pools as well as exterior lighting for parking, security and athletic fields.

PROJECT ASSIGNMENT:
Chief Electrical Engineer

A QUICK LOOK:

- Chief Electrical Engineer
- Master of Science, University of Dayton
- Air Force Institute of Mechnology, MS Systems Engineering
- Bachelor of Science, University of Illinois
- LEED Accredited Professional
- Member, The Electric Association (EA)

AMSCO ENGINEERING INC.

Jerry Tobola, SE

Profile

Jerry has structural engineering experience and expertise in a broad range of project types and complexities. He has a high sense of responsibility to the client and sensitivity to achieving the client's design concept in the most structurally efficient manner. He is responsible for marketing, production, and quality control of jobs, as well as specification writing, structural cost estimating and examination, assessment, and evaluation.

Community Unit School District 205 – Elmhurst, IL
Over 53,000 square feet of additions at eight schools.

Riverside Brookfield High School – Riverside, IL
86,800 square feet of new construction and 205,000 square feet of renovations to Riverside Brookfield High School.

Plainfield High School – Plainfield, IL
A $20 million, 236,000 square foot, two-story high school with classrooms, gymnasium, field house, locker rooms, auditorium, cafeteria, commons, support areas and bell tower.

PROJECT ASSIGNMENT:
Chief Structural Engineer

A QUICK LOOK:

- Principal
- Bachelor of Science in Civil Engineering, University of Illinois
- Registered Structural Engineer, IL
- Member, American Concrete Institute (ACI)
- Member, American Institute of Steel Construction (AISC)
- Member, Structural Engineers Association of Illinois (SEAOI)
- Member, Post-Tensioning Institute (PTI)

Larson

Phillip G. Pekron, CIH, CSP

Profile

Mr. Pekron has a Master of Public Health Degree from the University of Illinois with emphasis in Industrial Hygiene and a B.S. in Biology from Loyola University. Mr. Pekron holds a number of professional certificates and accreditations including: Certified Industrial Hygenist, Certified Safety Professional, Registered Occupational Hygienist, Accredited Project Designer, and Management Planner. Prioir to joining Pekron, Mr. Pekron spent six years as a training coordinator at OSHA's National Training Institute developing curriculum and teaching Federal and State compliance officers. Mr. Pekron came to OSHA from U.S. EPA where he worked as an Environmental Sciencitst enforcing the regulations of the Clean Air Act, which included those under the NESHAP's provisions. Mr. Pekron is an instructor at Northern Illinois University OSHA Outreach Center facilitating courses in Industrial Hygiene and Safety.

PROJECT ASSIGNMENT:
Environmental Engineer
Asbestos Abatement

A QUICK LOOK:

- Industrial Hygenist
- Master of Public Health, Industrial Hygiene, University of Illinois
- Bachelor of Science in Biology, Loyola University
- Certified Industrial Hygienist
- Certified Safety Professional

PEKRON

Brian J. Stevens

Profile

Mr. Stevens has a Masters Degree and 30 years experience in Business Administration and Occupational Safety and Health. Mr. Stevens came to Pekron from General Dynamics Corporation, San Diego, California. Having worked in the aerospace industry, complying with stringent CAL-OSHA and EPA regulations, Mr. Stevens has been exposed to a wide variety of environmental safety and industrial hygiene issues with particularly unique concerns. In addition, his experience in management/labor relations offers a vluable prespective in occupational safety and health issues. Mr. Stevens holds a U.S. Patent on a F.O.D. anti-contamination device used in aerospace manufacturing, is a published writer, and was the recipient of NESRA's national award for outstanding work in ergonomics and wellness.

PROJECT ASSIGNMENT:
Environmental Engineer
Asbestos Abatement

A QUICK LOOK:

- Industrial Hygenist
- Master of Business Administration
- Master of Occupational Safety and Health

PEKRON

Consultants

We recommend the following consultants tp provide MEP, Structural and Environmental Engineering services required to complete the scope of work proposed by Oak Park and River Forest High School District 200. These firms were selected based on their past working relationship with Legat Architects and their expertise in the renovation of similar facilities.

Mechanical/Electrical Engineering, Plumbing, and Fire Protection
AMSCO Engineering Inc.
5115 Belmont Rd #A
Downers Grove, IL 60515
630.515.1555

AMSCO Engineering Inc. dedicates itself to providing its clients with a complete environmental balance of ventilation, air-conditioning, electrical, plumbing and fire protection systems engineering. This partnership was formed in 1987 continuing the tradition of excellence begun by Mr. Anthony J. Wesley Sr. in 1968. Our staff of over 20 professionals, aim for the ultimate design within each client's specific economic and energy savings requirements. Our firm's mission is to perform engineering services that will provide integrity and compatibility with the architectural design of any project.

Structural Engineering
Larson Engineering of Illinois
1488 Bond Street, Suite 100
Naperville, IL 60563
630.357.0540

Since 1979, **Larson Engineering** has had a history of providing structural engineering services for local, national, and international projects. Within the past 10 years, additional engineering disciplines of civil, mechanical, electrical, and related engineering services have been added. This multi-office firm, with operations in several states, has tailored its engineering specialties to meet the needs of its geographical area. With this diversity, Larson has professional registration in almost all of the 50 states and several Canadian Provinces.

Environmental Engineering/Asbestos Abatement
Pekron Consulting Inc.
8265 Archer Ave.
Willow Springs, IL 60480
708.839.0600

Pekron Consulting Inc. was founded in 1986 to provide long-term, cost effective solutions to environmental, health and safety concerns. Pekron is pro-active and has a proven track record. Pekron's organizational structure allows them to quickly identify and respond to clients' needs with cost-effective recommendations supported by the extensive technical expertise of experienced, professional consultants.

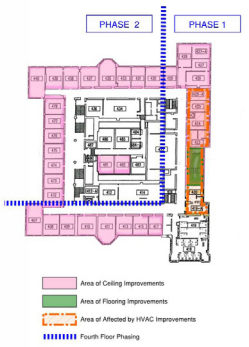
Section 5 Project Approach

Project Approach

With the Summer 2011 Projects already identified, the focus shifts to beginning a solid planning process. At Legat Architects, we train our project managers to listen to our clients and integrate their stakeholders in the decision making process. What follows below is our initial approach to the design, documentation, and construction of the Summer 2011 Projects. However, it is incomplete without the input of the Oak Park River Forest High School District 200 community.

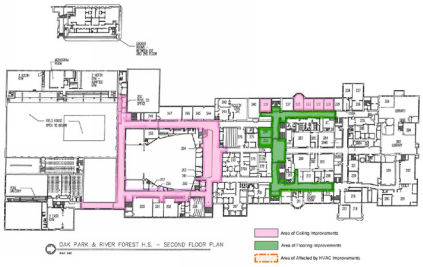
DATE	PRE-CONSTRUCTION TASKS
December	**The Legat EDGE Meeting:** The Legat EDGE is the term for "Equally Defined Goals and Expectations". This meeting is the initial Client-Architect discussion to openly outline the roles and responsibilities of project participants, define the project expectations, and fully understand the project process, scope of work, budget, and schedule.
December/ January	**The Project Formulation Phase:** Investigation of the existing conditions is performed, the scope of work for each project is established, and estimates of probable cost are completed. Key stakeholders affected by the proposed projects are consulted.
January	**Project Approval:** The completed Project Formulation Phase is presented the Finance Committee for comment. The final scope of work and estimate of probable cost are prepared and presented to the Board of Education for approval to proceed with project design and the preparation of construction documents.
February	**Construction Documents Phase**
March	**Bidding & Negotiations Phase:** The construction documents are released, competitive public bids are received, and the Board of Education awards a construction contract to the lowest qualified bidder.
April	**Pre-Construction Meeting:** The initial Owner-Architect-Contractor (O.A.C.) meeting.
May	**Pre-Mobilization Meeting**
June - August	**Construction Phase:** Eight or Nine weeks depending on emergency days used.
September - November	**Project Closeout**

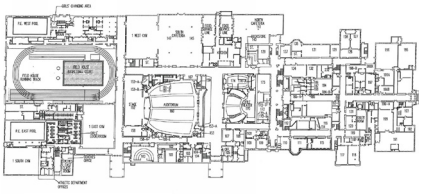
Oak Park & River Forest High School Floor Plans



Fourth Floor Plan


Third Floor Plan


Second Floor Plan


First Floor Plan

Project Approach

DATE	CONSTRUCTION SEQUENCE
Week 1	Abatement of Flooring Materials on Second Floor and in areas of HVAC work. Demolition of Ceiling Materials on Fourth Floor, Phase 1.
Week 2	Abatement of Flooring Materials on Second Floor (continued), Third Floor, & Fourth Floor. Installation of Flooring Materials on Fourth Floor. Installation of Ceiling Grid and Light Fixtures on Fourth Floor, Phase 1. Start of HVAC Systems work on Third Floor and Fourth Floor.
Week 3	Installation of Flooring Materials on Second Floor, Third Floor, & Fourth Floor. Installation of Ceiling Tiles on Fourth Floor, Phase 1. Demolition of Ceiling Materials on Second Floor, Corridors. Start of Press Box Improvements work.
Week 4	Demolition of Ceiling Materials on Fourth Floor, Phase 2. Installation of Ceiling Grid and Light Fixtures on Second Floor, Corridors.
Week 5	Installation of Ceiling Grid and Light Fixtures on Fourth Floor, Phase 2. Installation of Ceiling Tiles on Second Floor, Corridors. Demolition of Ceiling Materials on Second Floor, Classrooms.
Week 6	Installation of Ceiling Tiles on Fourth Floor, Phase 2. Installation of Ceiling Grid, Light Fixtures, and Ceiling Tiles on Second Floor, Classrooms.
Week 7/8	Elevator Improvements Work
Week 8	Substantial Completion

Project Approach

Budget Compliance

Legat Architects maintains a database of past and current school projects allowing our project managers to accurately estimate future work. While some of our opinions of probable cost have missed the mark, both high and low, our cost estimating track record for school projects reflects an average of within about 5% the estimated cost. We train our Project Managers to hold a tough line on the scope of work. If you are serious about your budget, we're serious about your scope of work.

Initial costs must always be balanced with life cycle expenses. Legat considers this balance when selecting building materials, systems, and finishes. Legat will continuously monitor cost and value engineering. The project manager and principal will give the district updated estimates at the end of schematic design, design development, and construction documents phases. Some times, we develop costs for alternates to consider amenities that may be implemented. This helps when bids come in under the budget estimate.

Legat Architects has utilized many budget compliance strategies and the following are a few which we recommend for the Summer 2011 Projects at Oak Park River Forest High School:

Project Formulation Phase
Although the Summer 2011 Projects have already been identified, thorough investigations of the affected building areas may identify unanticipated repercussions or unforeseen opportunities, both of which may lead to increases in the project cost. The Project Formulation Phase is intended to identify as many unknowns as possible after the budget has been established and the projects are initially selected but before the Board has committed resources toward a potentially incomplete final budget and scope of work.

Value Engineering
Our familiarity with construction processes, materials, and technologies enables us to consider different options with cost implications throughout the design phases. Value Engineering is the process where these options are revisited and informed decisions are made to actively reduce the project cost. Value Engineering is done only at the end of a design phase if we find the project is over budget.

Alternate Bids
The current economy has proven to be beneficial to school districts undertaking capital improvements projects. The contractors are "hungry"! However, the cost of construction materials hasn't dropped significantly, labor unions have successfully negotiated wage increases, and the economy is showing signs of strengthening. Incorporating Alternate Bids is an effective strategy for anticipating market volatility. Pulling selective work items from the base bid and making them Alternate Bids helps insure the project will be under budget and offers the flexibility to add scope back into the project should the bids be favorable.

All of these strategies are part of a team-based approach to cost control which combines the input of the Owner, Architect, and consultant team to come up with best solutions for project success.

Legat's team approach creates consistency, camaraderie, and staff pride in the project(s) our professionals are assigned.

Project Approach

Schedule Compliance

Today's high schools never really shut down – especially in active communities such as Oak Park and River Forest. The demand for facilities to accommodate academic, athletic, extra-curricular, and community events keeps high school facilities operating 24/7/365. Legat Architects recognizes that adherence to schedules on school projects is imperative. In our 46 years of business, Legat Architects has never been responsible for delays in school construction schedules.

Project scheduling is based on the Owner's needs and time limitations. We lead the development of an Action Plan at the beginning of the project which is based on input from the Owner, the Architect and the consulting team. The plan is then published and approved so that it can be followed for the remainder of the project.

Our firm's approach to project scheduling for educational projects includes many criteria such as:

- Identifying equipment with long fabrication times and developing strategies for ensuring all construction materials are on-site when required.
- Releasing bid documents during the most advantageous time of the year to receive competitive construction bids.
- Phasing summer construction work to cause as little disruption as possible to the educational environment.

Additional schedule compliance strategies which we recommend during construction of the Summer 2011 Projects at Oak Park River Forest High School include:

Liquidated Damages

Often considered a penalty clause, Liquidated Damages are actually intended to offset unanticipated costs incurred by the Owner in the event the Contractor does not finish the work prior to the Date of Substantial Completion. Although the perceived purpose of Liquidated Damages may vary, their inclusion in the contract documents sends a clear message the completion date is to be taken seriously.

Communications

With a construction phase as short as eight weeks, open and timely communication becomes the most critical component of the Summer 2011 Project. The construction process must include several types of interface as follows:

- Mandatory use of smart phones to facilitate voice and email communications.
- Pre-Construction and Pre-Mobilization meetings to integrate the Owner's and Contractors' agendas.
- Monday morning meetings with key personnel to establish weekly priorities and expectations.
- Mid-week construction meetings with all stakeholders to identify and resolve potential obstacles.
- On-site construction observation to confirm progress and maintain quality.
- Regular close-out coordination meetings keeps successful project completion a priority.

Insurance

ACORD CERTIFICATE OF LIABILITY INSURANCE — DATE (MM/DD/YYYY) 05/12/2010

PRODUCER Phone: (847) 623-0456 Fax: (847) 623-5600
WEST'S INSURANCE AGENCY
1733 W WASHINGTON STREET
WAUKEGAN IL 60085

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE — NAIC #

INSURED
LEGAT ARCHITECTS, INC.
24 N CHAPEL STREET
WAUKEGAN IL 60085

INSURER A: Cincinnati Insurance Company — 10677
INSURER B:
INSURER C:
INSURER D:
INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC	EBP0019851	05/14/10	05/14/11	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED. EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS-COMP/OP AGG.	$ 1,000,000 $ 1,000,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A		AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS	EBP0019851	05/14/10	05/14/11	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
		GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	$ $ $
A		EXCESS / UMBRELLA LIABILITY X OCCUR CLAIMS MADE DEDUCTIBLE RETENTION $	EBP0019851	05/14/10	05/14/11	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATU-TORY LIMITS OTHER E.L. EACH ACCIDENT E.L. DISEASE-EA EMPLOYEE E.L. DISEASE-POLICY LIMIT	$ $ $
		OTHER:					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/ SPECIAL PROVISIONS

CERTIFICATE HOLDER

SAMPLE CERTIFICATE OF INSURANCE

Attention:

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Brad West

ACORD 25 (2001/08) Certificate # 12354 © ACORD CORPORATION 1988

ACORD CERTIFICATE OF LIABILITY INSURANCE — DATE (MM/DD/YYYY) 4/27/2010

PRODUCER
Willis of Illinois, Inc.
233 S. Wacker Drive
Suite 2000
Chicago IL 60606

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE — NAIC #

INSURED
Legat Architects, Inc.
Mr. Pete Krupczak
24 North Chapel Street
Waukegan IL 60085-4118

INSURER A: Beazley Insurance Company, Inc.
INSURER B:
INSURER C:
INSURER D:
INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
		GENERAL LIABILITY COMMERCIAL GENERAL LIABILITY CLAIMS MADE OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC				EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ $ $ $ $ $
		AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
		GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	$ $ $
		EXCESS/UMBRELLA LIABILITY OCCUR CLAIMS MADE DEDUCTIBLE RETENTION $				EACH OCCURRENCE AGGREGATE	$ $ $ $ $
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $
A		OTHER Professional Liability	V15SRW100201	4/24/2010	4/24/2011	$2,000,000 $4,000,000	per claim aggregate

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
*Except for non-payment, 10 days.

CERTIFICATE HOLDER

SAMPLE CERTIFICATE OF INSURANCE
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. . .

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30* DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

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Insurance Coverage and Limits

These sample Certificates of Insurance summarize the insurance coverage and limits carried by Legat Architects.

Summary Coverage

Professional Liability
$2 Million Each Claim
$4 Million Aggregate

General Liability
$2 Million General Aggregate
$2 Million Each Occurrence

Automobile Liability
$1 Million Combined Single Limit

Excess/Umbrella Liability
$5 Million Each Occurrence

Workers Compensation and Employers' Liability
$500,000 Each Accident

Billing Rates

FIRM NAME	ROLE
Legat Architects	Architects/Planners

Classification	Hourly Rate
Principals	$200.00
Staff Architects	$180.00
Associates	$115.00
Intern	$75.00
Clerical	$55.00

AMSCO Engineering — MEP Engineering

Classification	Hourly Rate
Principals	$167.50
Project Engineer	$155.00
Engineer/Designer	$150.00
Draftsman	$75.00
Clerical	$75.00

Larson Engineering — Structural Engineering

Classification	Hourly Rate
Officer	$195.00
Principal	$167.00
Associate	$155.00
Project Manager	$124.00
Project Engineer	$108.00
Design Engineer	$100.00
E.I.T.	$92.00
CADD Technician	$77.00

Pekron Consulting, Inc. — Environmental Engineering

Classification	Hourly Rate
Project Designer	$85.00
Project Managment	$65.00

Sample Anaysis

- Polarized Light Microscopy $15.00/sample
- Phase Contrast Microscopy $15.00/sample
- Transmission Electron Microscopy $125.00/sample