

## **Richard Xiao, PE, CEM, LEED AP**

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### **Experience:**

05/2014 – Present

#### **NYCSCA, Long Island City, NY**

Mechanical Engineer C

Responsible for development of mechanical scope report, design plans and specifications for various school projects, such as new school design, boiler conversion/climate control, pre-K center, library upgrade, etc. Act as a lead and coordinate between trades for boiler conversion projects. Respond to RFIs and review shop drawings for existing projects. Review design work from consultants.

#### Project experience:

M502 New PS/IS – Manhattan, NY

Q472 New High School – Queens, NY

Q575 New High School – Queens, NY

Q335 New PS – Queens, NY

PS 75Q Boiler Conversion and Climate Control – Queens, NY

PS 375K Boiler Conversion and Climate Control - Brooklyn, NY

PS 721X Boiler Conversion and Climate Control - Bronx, NY

K767 (Holy Spirit) Pre-K Center – Brooklyn, NY

K420 Midwood HS Athletic Field – Brooklyn, NY

K580 George Westinghouse HS Library Upgrade – Brooklyn, NY

PPAS (M17) Auditorium Upgrade – Manhattan, NY

03/2013 – 05/2014

#### **URS Corporation, New York, NY**

Senior Mechanical Engineer

Responsible for all aspects of HVAC design of office buildings, schools, hospitals, TBTA and Port Authority work, from conceptual requirements through construction, as well as preparation of construction and engineering estimates, and review of documentations.

#### Project experience:

PS 41X Boiler Conversion and Climate Control – Bronx, NY

IS 88B Boiler Conversion and Climate Control - Brooklyn, NY  
Kingsborough Community College Condensing units Replacement – Brooklyn, NY  
Baruch College Emergency Fuel Pumps replacement – New York, NY  
VAMC at Lyons Boiler Flash Tank and Blowdown system – Lyons, NJ  
VAMC Chiller Replacement – New York, NY  
Henry Hudson Bridge Toll Plaza Utility Building Relocation – New York, NY

03/2006 -03/2013

**Cosentini Associates, New York, NY**

Mechanical Engineer

Worked on design for a variety of project types, including higher education, K-12 schools, hospitals, mission critical facilities, corporate headquarters, office towers, tenant interiors, residential, and retail, among others. Participated in many sustainable design and energy conservation projects, with experience in the CFD analysis, 3D space analysis and modeling, life-cycle cost analysis and energy analysis.

Project experience:

ASARC/CCNY Science Facility, New York, NY  
New School University - City Center, New York, NY  
Gateway to Health Sciences Secondary School – Queens, NY  
Frank Sinatra School of the Arts – Queens, NY  
SUNY Downstate Medical Center – Brooklyn, NY  
New World Symphony, Miami Beach, FL

09/2002 –03/2006

**Rudell & Associates, Inc., Long Island City, NY**

Mechanical Engineer/Fire Protection Engineer

Responsible for development of mechanical design plans and specifications, evaluation studies and reports for commercial and industrial installations, HVAC systems and fire protection.

Project experience:

Mechanical ventilation system/Fire protection System for few Con Edison substations.  
One-line Diagram Verification and P&ID verification for few Con Edison power plants

**Education & Certifications:**

**The Johns Hopkins University, Baltimore, MD**

M.S. Mechanical Engineering

**The University of Petroleum (East China), Shandong, China**

B.S. Thermal Engineering

**Licensed Professional Engineer** in state of New York, Ohio  
**LEED Accredited Professional** from USGBC  
**Certified Energy Manager** from AEE  
**Healthcare Facility Design Professional** from ASHRAE

Member, **ASHRAE**  
Member, **AEE**  
Member, **USGBC**

### **Computer Skills:**

**Operating System:** Windows, Macintosh, Linux  
**Software:** Revit MEP, AutoCAD, Digital Project,  
EnergyPlus, TRACE, Pipe-flo, Bentley  
MicroStation, FireACAD, CHVAC, Matlab