

HUNTER'S POINT SOUTH INTERMEDIATE SCHOOL & HIGH SCHOOL



Project Information:

Location: Long Island City, NY

Construction: Jan. 2011 – Oct. 2013

Size: 153,769 square feet

Cost: \$61 million construction cost

Levels: 5 stories, no cellar

Delivery: Lump Sum Bid

Function: Educational

Height: 73 feet

Project Team:

- Owner:**
NYC Department of Education
- Architect:**
FXFWOLE Architects
- General Contractor/CM:**
Skanska
- Structural:**
Ysreal A. Seinuk, PC
- MEP/Fire Protection:**
Kallen & Lemelson, LLP
- Lighting Designer:**
Tillotson Design Associates

Architecture:

- Exterior Façade: grey brick, slate stone veneer, perforated steel panels, low-e coated windows, and ITSPS
- Design fits into urban community redevelopment plan

Structural:

- Load transferred to soil through 14 inch diameter cussions
- Floor system is a 3 ¼" lightweight concrete on top of a 3" metal deck
- Lateral force resisting system is concentric braced frames

Electrical/Lighting:

- 4000 Amp Main Switchboard
- 400 kW Diesel Generator
- Building Voltage is 208Y/120V
- Fluorescent lighting with MR16 track and spotlights for auditorium

Mechanical:

- 3 CAV and 3 VAV custom made AHU's each equipped with a vfd, wrap around heat pipes for dehumidification, and 0-100% oa intake for economizer mode
- (2) 276 ton air cooled water chillers with scroll compressors
- (4) gas fired condensing boilers each capable of producing 1860 MBH
- Heat transfer fluid for building is a 30% and 35% propylene glycol water used for cooling and heating, respectively

Sustainability:

- Striving for LEED Silver Certification
- Utilizes local materials, recycled steel, low voc emitting finishes, occupancy sensors for lighting, and solar shading
- Abides by the NYC Green Schools Guide

<http://www.engr.psu.edu/ae/thesis/portfolios/2012/BAK5101/index.html>



MECHANICAL OPTION
BRITT KERN

