

HUNTER'S POINT SOUTH SCHOOL

LONG ISLAND CITY, NEW YORK



MICHAEL PAYNE | STRUCTURAL OPTION

BUILDING STATISTICS

- **Location:** 1-50 51st Avenue, Long Island City, New York
- **Size:** 154,500 Square Feet
- **Height:** 5 Stories/ 75 Feet Tall
- **Dates of Construction:** January 10, 2011 - October 2013
- **Construction Cost:** \$61,098,000
- **Project Delivery Method:** Lump Sum Bid

PROJECT TEAM

- **Owner:** NYC School Construction Authority (SCA) per NYCDOE
- **General Contractor/CM:** SKANSKA
- **Architect:** FXFOWLE Architects, LLC
- **Structural Engineer:** Ysreale A. Seinuk, PC
- **MEP/Fire Protection:** Kallen & Lemelson, LLP
- **Site-Civil Engineering:** Langan Engineering & Environmental Service

ARCHITECTURE

- Mixed Intermediate School and High School
- Vertically Stacked Design with Spaces to Tie Both Schools Together
- Cubic Design with Vertical Shafts, Horizontal Windows, & Slanted Edges.
- Façade: Grey Brick, Slate, Orange Alum. Panels, & Glass Curtain Wall
- 4000 Square Foot Open Roof Terrace Outside Cafeteria on 5th Floor
- LEED Silver Certification for Sustainable Design

STRUCTURAL SYSTEM

- **Foundation:** 12" Slab on Grade Supported by Caissons and H-Piles
- **Floor System:** 3" Composite Deck with 3.25" LW Concrete Topping
- **Framing System:** Steel Frame Comprised of Wide Flange Members, Long Span Plate Girders, and Steel Columns.
- **Lateral System:** HSS and Wide Flange Lateral Truss Bracing, along with Steel Moment Connections at Specific Columns.

MEP SYSTEMS

- 3 VAV Systems Service Classroom, Office, and Corridor Spaces
- 3 CAV Systems Service the Gymnasium, Auditorium, and Cafeteria
- 4 Boilers Produce 1860MBH at 212°F/160psig for AHU and Heaters
- Main 208/120V 3 Phase System With Secondary Emergency Power
- Gas and Water Intake Lines are 4" Conduit; Sewage Lines Are 6"
- Wet Pipe Sprinkler System With Concealed and Upright Heads