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

CPEP Website: http://www.engr.psu.edu/ae/thesis/portfolios/2012/MGP5032/index.html