



New York Police Academy

College Point, New York

Information

- ❖ **Architect:** Perkins + Will
- ❖ **Occupant:** NYPD
- ❖ **Size:** 1,000,000 SF
- ❖ **Overall Cost:** \$656,000,000
- ❖ **East Campus:** Academic/Office Space
- ❖ **West Campus:** Physical Fitness/ Central Plant
- ❖ **Architecture:** Modern w/ Strong Geometric Forms
- ❖ **Sustainability:** Projected to USGBC LEED Silver

Construction

- ❖ Turner Construction Company and STV Inc. will lead as joint General Contractors.
- ❖ New York Department of Design and Construction will be responsible for overseeing the progression of the Project.
- ❖ 2,400,00 gross square feet of construction space. (Includes buildings, football field, track, parking lots, landscaping, muster courts.)
- ❖ Construction Dates: 10/1/2010- 12/31/2013

Mechanical

- ❖ Mechanical Engineers: WSP Flack + Kurtz
- ❖ Ventilations needs met by 63 AHUs
- ❖ AHUs Capacities: 3,000 CFM-30,000 CFM
- ❖ Total Cooling Load: 3,305 Tons
- ❖ Total Heating Load: 1,396 bHp
- ❖ Hydronic Water System
 - ❖ (8) 1350 bHp Chillers
 - ❖ (3) Water-Tube Boilers
- ❖ Due to the size of the building WSP Flack + Kurtz decided to house a central utility plant in the West Campus. The central utility plant will be responsible for hydronic needs of the entire Academy.

Structural

- ❖ Structural Engineers I: Robert Siman Assoc.
- ❖ Structural Engineers II: Guy Nordenson Assoc.
- ❖ Foundation: 16" 100 ton capacity steel piles have been installed throughout the site to provide foundational basis.
- ❖ 14" Deep Structural Slab on Grade set on piles
- ❖ Steel Super Structure that must conform with AISC Specifications.
- ❖ Steel Decking/Concrete slab floor system.

Lighting/Electrical

- ❖ Electrical Engineers: WSP Flack + Kurtz
- ❖ Total Electrical Load: 8644kW
 - ❖ 18% Lighting, 19% Power, 63 % HVAC
- ❖ 460/265V 3-Phase High Voltage system stepped down to 120/208 V 3-Phase Low Voltage System
- ❖ 4580 kW Emergency Power Potential
- ❖ Natural Daylighting heavily used along perimeter of building. East campus includes large central atrium for lighting of interior lobbies.