

Bronx School for Law, Government & Justice

Yulien Wong - Mechanical Option

Project Overview

Location: Bronx, NY
6 stories plus 1 mechanical penthouse
& 1 floor below grade
Approx. Size: 114,000 SF
Construction Dates: June '01 – Sept. '04
Estimated Cost: 65 million
Project Delivery: Design-Bid-Build

Project Team

Owner: New York School Construction Authority
Architect: The Hillier Group Architecture
Structural Engineer: Ysrael A Seinuk, P.C.
MEP/Telecom: Joseph R. Loring & Associates, Inc
Civil Engineer: Langan Engineering
Lighting: Lighting Design Collaborative
Contractor: Silverite Construction

Mechanical

Cooling: (2) 200 Ton reciprocation type chillers
Heating: (3) 85 BHP low pressure steam boilers
Heating Distribution: Duct mounted heating coils & fin
tube radiation
Ventilation: (7) constant volume AHUS & (3) VAV AHUS
Fire Protection: Fully sprinkled wet type & smoke
exhaust system

Features

School is one of the first “specialized” high schools in NYC.
Specialized spaces include forensic labs, tri-facial labs,
distance learning court rooms, and crime labs.



Structural

Foundation: Column Footings
Superstructure: Steel frame
Floor: Concrete on metal deck
Roof: Parapet roof with slab construction

Electrical

Service: 6000 amp, 208/120 volt,
3 phase, 4 wire
Generator: 300kW, 480 volt,
3 phase, 4 wire