Vickroy Hall

Duquesne University
Pittsburgh, PA

The Project Team:

Owners: Duquesne University
Architect: Gerard-Nagar Associates
CM/General Contractor: TEDCO Construction Corporation
Structural Engineer Consultant: Conway Engineering
Mechanical Engineer Consultant: Dodson Engineering, Inc.
Electrical Engineer Consultant: Carl J. Long & Associates

The Building:

Size: 77,000 SF
Stories Above Grade: 8
Cost: $11 Million
Building Completion: 7.97
Occupancy: Student Living/Learning Center

Bayer Hall– Represented

The Architecture:

'Eclectic Architecture' (blending of styles)
'Victorian' black window accents
'Bands of Stone' to represent stone on other important buildings of the University

The Systems

Lighting & Electrical:

Primarily fluorescent lighting
480/277 3 phase, 4 wire Main System
2500A 277/480 3 phase, 4 wire main bus system
208/120 3 phase, 4 wire Generator system

Mechanical:

5 AHU's: 11,500; 10350; 6500 cfm capacities
Steam Heating
2 Pipe System– Either Full heating, full cooling, or 50/50 heating/cooling

Structural:

Foundation: 4" SOG with WWF reinforcing, Grade Beams, Caissons
Super Structure: Structural Steel framing with reinforced masonry and light gage steel framing
Floor System: Metal decking with reinforced concrete
Roofing System: Ballast over EPDM and Insulation. 'Hip' roof is light gage framing with standing seam metal

Floor System

Roof System

Donna Kent - Structural Option
http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/DMK291/