# **Aimee Bashore**

Construction Management Franklin & Marshall College Row Lancaster, PA http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/ALB358/

# Primary Project Team:

**Owner:** 

Franklin & Marshall College Developer:

Campus Apartments, Inc. Architect:

Elkus | Manfredi Architects, Ltd. Construction Manager:

Alexander Building Construction, LLC Landscape Architect & Civil Engineer:

Derck & Edson Associates Structural Engineer: McNamara Salvia MEP/FP Engineer: AHA Consulting Engineers

### Mechanical:

 -3 Roof top air conditioning units direct expansion (total of 4200 CFM)

#### **Electrical:**

~800A, 480/277V, 3-phase, 4W Distribution Panel
~3⁄4" to 2-4", 60-800A copper feeders
~Dry type transformers: Primary - 480V, Secondary - 208/120V, and ranging 9-500kVA
~40kW engine emergency generator

## Lighting:

Fluorescents and halides used, ranging from 120-277V

ELKUS

MANFR

campus apartments<sup>e</sup>

smart. living.

### **Project Features:**

Project Cost: \$13.5 million Project Size: 111.641 sf Dates of Construction: 5/06 to 7/07 Occupancy: Retail on first floor and apartments on upper five floors Project Delivery Method: CM at Risk with a GMP

**Historical:** Site preparation included demolition of two old buildings, which required approval from the PA Historic Museum Commission. Site is located adjacent to railroad tracks and other factory-related facilities, which will be reflected in the façade of the new building and in the awning-style of the windows.

# Structural:

Foundations - spread footings with selective compaction grouting for soil improvements, prior to footing installation, and strip footings for masonry foundation walls (frost walls)

Structural Steel - composite slab on deck for second floor slab and load-bearing block and precast concrete plank from the second through to the roof

Exterior Façade - structural stud metal framing with brick veneer and metal panels

Roof - fully-adhered thermoplastic membrane system

