Rusty Hoffman
Construction Management

Ursinus College Residence Hall 2
Collegeville, Pennsylvania

Project Team

Owner: Ursinus College
GC/CM: Warfel Construction Company
Architect: Wallace, Roberts & Todd
Structural: David Chou & Assoc.
MEP/Fire: McHugh Engineers

Project Overview

Site: Ursinus College North Campus
Occupancy: Dormatory, R-2
Building Size: 52,114 S.F.
Building Cost: $10.6 Million
Schedule: June 2006 - July 2007
Project Delivery: Design - Bid

Electrical

- 500KVA Transformer in Richter Hall substation provides 4160V primary to 208/120V secondary.
- Main Feed is 2 sets 750KCMIL Al in 4" conduit.
- Emergency Generator: 125kW natural gas 208/120V supplies a 400A Emergency Distribution Panel.

Lighting

- Primarily flourescent and compact flourescent lighting
- Ballasts for lighting are Instant start flourescent and class H HID ballasts.

Structural

- CIP Concrete Footings
- Load Bearing 8" CMU Walls
- Pre-cast 8" Concrete Hollow Core Plank
- A-Frame Wood Truss Roof
- Minor Steel Members to support plank over long spans.

Fire Protection

- A wet piping system serves the building.
- All sprinkler heads are quick release.
- There are two dry standpipes in the east and west stairways for fire company hook up.

Mechanical

- 9 AHU's ranging from 1000-4900 CFM serve building.
- Electric heaters produce 2550-17065 BTU/HR.
- Roof top Energy Recovery Unit
- equipment is controlled by a DDC building automation system tied to the college's existing system.

Arch./Construction

- Main entry is a Central Tower which includes a glass curtainwall, steel trellis and brick facade.
- Features 112 student rooms for 181 students.
- Roof consists of a Wood Truss and asphalt shingles.

CPEP Site: http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/RCH172/