

BUILDING STATISTICS

PART 1:

GENERAL BUILDING INFORMATION

- **Building name:** Dauphin Hall
- **Location and Site:** Williamsport, PA
- **Occupant:** Student housing
- **Occupancy:** Residential
- **Size:** 123,676 GSF
- **Number of Stories:** Four stories(4) above ground & no basement
- **Owner:** Pennsylvania College of Technology
- **General Contractor:** IMC
- **CM:** N/A
- **Architects:** Murray Associates Architects, P.C.
<http://www.murrayassoc.com/>
- **Food Service Designer:** Woodburn & Associates, INC.
<http://www.woodburnassoc.com/>
- **Structural Engineer:** Whitney, Bailey, Cox & Magnani, LLC.
<http://www.wbcm.com/>
- **Civil Engineer:** Vassallo Engineering & Surveying (No website)
- **MEP:** Gatter & Diehl, INC <http://gatterdiehl.com/>
- **Dates of Construction:** October 2008 - August 2010
- **Construction Cost:** \$ 26,000,000
- **Project Delivery Method:** Design/bid/build

ARCHITECTURE

- **Major National Code(s):**

This building system was constructed in compliance with all applicable sections of the 2006 International Building Code (IBC); in which it was qualified as an R-2 use group with a 2B fully sprinklered construction type. Moreover, its materials and equipments comply with the National Electrical Code (NEC), Uniform Plumbing Code (UPC), National Sanitation Foundation (NSF), and much more. All pertinent Federal, State, County and Local ordinances and regulations do apply.

- **Zoning:**

The Pennsylvania College of Technology is under the institutional district (I) of Lycoming county of Pennsylvania, which does not provide any height restriction. However, it requires the lot area square footage to be a minimum of eight hundred (800) square feet per resident and a sixty feet (60) setback from any one family dwelling that is not own by the university.

- **Historical requirements:**

This building has no historical requirement.

BUILDING ENCLOSURE

- **Building facades:**

The exterior of this new dormitory was constructed almost entirely of four (4") inches split-face block with horizontal reinforcement at 16" on center vertically and with 6" block with horizontal reinforcement at 16" O.C. on the inside, and an additional 4" rigid insulation in between. The windows are fixed prefinished aluminum units with insulated glass. The curtain walls are made of prefinished aluminum horizontal and vertical mullion with 1" insulated tempered safety glass.



Fig. 1 South-East facade



Fig. 2 North-West facade

- **Roofing:**

The roofing system used in this case was composed of architectural fiberglass shingles, 30# asphalt impregnated building felt, 3/4" TH. Fire-retardant plywood sheathing, supported but light-gauge pre-engineered roof trusses @ 2'-0" O.C. The whole system is covered with continuous BATT insulation with vapor barrier at the bottom of roof trusses.

SUSTAINABILITY FEATURES

- Efficient lighting
- Bike rack
- Low water consumption equipments
- Natural lighting provided by curtain wall on the north-western side of the building
- Recycling bins on all hallways of every floor