

# DAUPHIN HALL

## PENN COLLEGE OF TECHNOLOGY, WILLIAMSPORT, PA



### PROJECT OVERVIEW

- ◆ Owner: Penn College of Technology
- ◆ General Contractor: IMC Construction, Inc
- ◆ Architect: Murray Associates Architects, PC
- ◆ Civil: Vassallo Engineering & Surveying
- ◆ Structural: Whitney, Bailey, Cox & Magnani, LLC
- ◆ MEP: Gatter & Diehl, INC
- ◆ Total Height: 70'-6"
- ◆ Size: 123,676 GSF
- ◆ Cost: \$ 26,000,000
- ◆ Duration: October 2008—August 2010

### ARCHITECTURE

- ◆ Building façade is composed of 4" split-face blocks.
- ◆ The windows are fixed prefinished aluminum units with insulated glass.
- ◆ The curtain wall are made of aluminum mullion with 1" insulated tempered safety glass.



### STRUCTURAL SYSTEMS

- ◆ The foundation is composed of shallow foundations and stone piers (18"-36" dia.)
- ◆ The structure is mainly steel framing with moment bracing:
  - Columns: W8 and W10
  - Beams: W14 and W12
- ◆ Slab: 4" concrete slab reinforced with 6"x6" - W2.9XW2.9 WWM on 1 1/2 -20 gage composite deck.

### MEP SYSTEMS

- ◆ Variable Air Volume System (VAV) provides temperature control of multiple comfort zones through the use of a constant volume single-zone HVAC unit.
- ◆ Ceiling mounted voltage occupancy sensors with emergency standby generator.
- ◆ Uses fluorescent, Metal-halide & LED lights
- ◆ Wet pipe sprinkler system.

AUBERT NDJOLBA

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<http://www.engr.psu.edu/ae/thesis/portfolios/2011/amn184/index.html>