

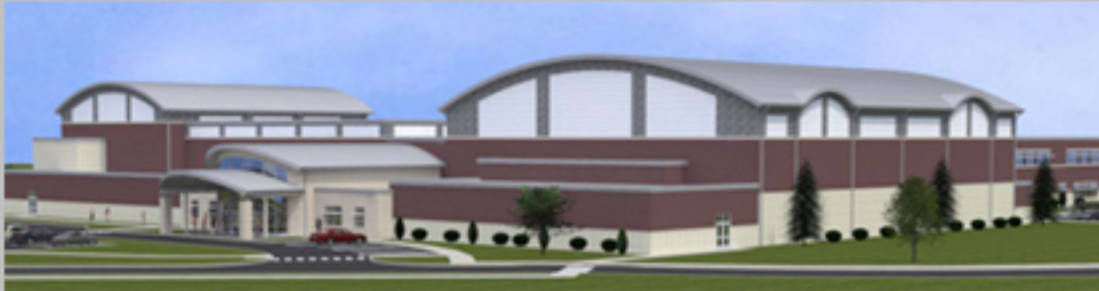


Upper Dublin High School

Fort Washington, PA

Stephen Kelchaw

Construction Management



Building Statistics

- Size: 368,000 sf
- Height: 2 Stories
- Project Cost: ~\$119.2 M
- Construction Dates: Phase I: Aug '08 - Dec '10
Phase II: Jan '11 - Aug '12
- Delivery Method: Design-Bid-Build

Building Envelope

- White single-ply flat roof
- Standing seam curved metal roofing
- Brick and stone masonry facade with CMU back-up wall
- Cast stone profile separates brick and stone facade

Lighting/Electrical

- Typical lighting consists of surface mounted T8 fluorescent and CFL's
- 480Y/277V and 208Y/120V distributed throughout building
- More than 90 panel boards
- Lighting controlled with occupancy sensors and photosensors

Project Team

- Owner: Upper Dublin School District
- Architect: Gilbert Architects
- CM: D'Huy Engineering
- Site/Civil: CMX Engineering
- Structural: Baker, Ingram, & Associates
- MEP: Snyder Hoffman Associates
- LEED: 7 Group

Mechanical

- 304 Geothermal Wells with a water/glycol mix
- Eleven (11) Energy Recovery Units (ERU)
- Twelve (12) Heat Recovery Units (HRU)
- Temperature controlled through ATC system
- Ductless Split-System Air Conditioning Units
- VAV and Fan-Powered VAV boxes

Structure

- Classroom live load: 40psf
- Spread footing support columns
- 1st Floor: 4" SOG with 6x6-W2.9 x W2.9 WWF on drainage fill and vapor retarder
- 2nd Floor: Structural steel framing with slab on metal deck
- Load-bearing CMU walls and steel joists