

Waynesburg Central High School

Central Greene School District

Waynesburg, Pennsylvania



Project Team

Owner: Central Greene School District

Construction Manager: Foreman Program and Construction Managers

Architect and Engineers: Foreman Architects and Engineers



Project Overview

- **Estimated Project Cost:** \$17,000,000
- **Size, Addition:** 24,000 square feet
Renovation: 154,000 square feet
- **Number of Stories:** 2
- **Delivery Method:** CM Agency, with Multiple Primes
- **Project Dates:**
 - Phase 1: 10 Dec. 2007 – 24 Nov. 2008
 - Phase 1A: 24 Dec. 2007 – 31 Dec. 2007
 - Phase 2: 10 Dec. 2007 - 15 Aug. 2008
 - Phase 3: 15 May 2008 – 15 Sep. 2008
 - Phase 3A: 06 June 2008 – 22 Aug. 2008
 - Phase 3B: 06 June 2008 – 15 Oct. 2008
 - Phase 4: 15 July 2008 – 27 Aug. 2008
 - Phase 5: 01 Dec. 2008 – 13 Mar. 2009
 - Phase 6: 20 Mar. 2009 – 01 June 2009
 - Phase 6A: 15 May 2009 – 15 Aug. 2009
 - Phase 7: 15 May 2009 – 28 Aug. 2009
 - Phase 7A: 05 June 2009 – 28 Aug. 2009

Project Structure

- Pre-cast concrete column and beam structure
- Masonry infill with load bearing masonry walls
- Open web structural steel joists for roof structure
- Pre-cast concrete docs plank over boiler room
- Foundation comprised of grade beams and footers



Project Architecture

Additions:

- Exposed Architectural pre-cast concrete columns
- Brick veneer with a grape vine joint
- New TPO roof system on building

Renovations and Additions:

- Columns protrude with beams creating sunshades
- Consistent style maintained on additions
- Operable punch out windows
- Natural day lighting through use of skylights



Project Infrastructure

Mechanical Additions:

- 215 ton Air cooled chiller
- Prepackaged rooftop air units

Mechanical Renovations:

- 4 pipe unit ventilators (UV) replace old UV system

Electrical Service:

- **Main Service:** 277/480V, 3 Phase, 4 Wire
- **Main Breaker:** 3000A, 3 Phase
- **Secondary Service:** 208Y/120V
- 40 types of luminaires in the building

Robert Owen Brennan

Construction Management

<http://www.engr.psu.edu/ae/thesis/portfolios/2009/rob5005/>