

Evangelical Press Building

Harrisburg, PA



Project Information

Size:	130,000 SF
Cost:	\$17 million
Stories:	(1) below (3) above grade
Dates:	June 2006 - August 2007
Delivery:	Design.Bid.Build

Project Team

Owner:	GreenWorks Development
Architect:	Maule + Associates Architects
Construction Manager:	Wohlsen Construction
Mechanical Engineer:	McClure Company
Structural Engineer:	Francis R. Stearns, P.E.



MECHANICAL

- 4, Four-pipe variable air volume (VAV) air handling units (AHUs)
- 1, Energy recovery ventilator (ERV)
- 2, Natural gas fired sectional boilers
- 2, Air-cooled rooftop chillers (110 & 210 tons)

ARCHITECTURE

The Evangelical Press Building opened in Harrisburg, Pennsylvania in 1918. It has since undergone multiple expansions and has changed hands of ownership as well. Today it is home to a modern academic space, serving Harrisburg Area Community College (HACC). The renovation successfully maintained the building's historical aspects, while updating the interior and exterior to accommodate the 2,500 trade and technology programs students.

STRUCTURAL

A 16" concrete slab foundation has certainly stood the test of time. It supports the three story, steel reinforced concrete structure. The renovation has greatly improved the 26" horizontal and vertical beam system, which now boasts exposed columns bearing original capitals. The building façade is composed of a 12" masonry/brick veneer with 2" rigid insulation and 5/8" Gypsum Wallboard (GWB). In addition, an aluminum curtain wall system with 1" insulated glazing supports the large atrium. All of that is topped with a single-ply roofing membrane system, which covers the 2" insulation and concrete slab.

LIGHTING/ELECTRICAL

Fluorescent lamps light up classrooms, offices, and computer labs throughout the building. The food court area is illuminated by modern, pendant mounted lighting fixtures. A PPL Electric pad mounted transformer feeds the main switchboard and panelboard with a 3 phase, 4 wire, 277/480 volt system. 3 phase, 4 wire 120/208 volt systems are also utilized to service other panelboards. Distribution is handled through two power bus ducts at 1,200 amps.

Kayla Gavin

www.engr.psu.edu/ae/thesis/portfolios/2011/kg5036

Mechanical