

SUSQUEHANNA CENTER RENOVATION AND EXPANSION

BEL AIR, MD

PROJECT OVERVIEW

Owner:	Harford Community College
Architect:	hord coplan macht
Civil:	Site Resources, Inc.
Structural:	CMJ Structural Engineering
MEP:	Burette, Koehler, Murphy & Associates
Height:	26'-8"
Total Size:	106955 SF
Cost:	\$26,700,000
Approx. Completion:	September 17, 2012



STRUCTURAL

- * The foundation is composed of spread footings and retaining walls.
- * The typical system is concrete column and beam framing. A typical column and beam include: a 24"x 24" columns, and 18"x 32" and 24"x 32" beams.
- * The slab is 8" deep with #4 bars @ 12" O.C.

MEP

- * The building consists of two air systems: Variable Volume Terminals, and Constant Volume Terminals.
- * The lighting fixture consists of fluorescent, compact fluorescent, LED, and metal halide lights



ARCHITECTURE

- * The architectural façade consists of a combination of 4" brick and curtain walls.
- * The curtain walls are prefinished aluminum which 1" safety glass.



TIMOTHY BAILIFF | ARCHITECTURAL ENGINEERING | STRUCTURAL OPTION

<http://www.engr.psu.edu/ae/thesis/portfolios/2012/tjb5108/index.html>