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# DAVIDSON & ASSOCIATES

CONSTRUCTION ANALYSTS, INC.

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## Harrisburg Area Community College (HACC) **Forensic Analysis, Remedial Design and Construction**



Harrisburg Area Community College (HACC) is a 20,000-student institution with five campuses throughout central Pennsylvania. In conjunction with Eastern PCM, D&A has provided forensic investigation/analysis and remedial design and construction phase services at the following: Harrisburg Campus, HACC Technology and Arts Center – interior concrete slabs for renovation of 100-year old building; York Campus, Goodling Building – repair and restoration of building envelope including EIFS and metal panel cladding, window wall systems, and roof/flashing systems; Gettysburg Campus, Academic/Administration building – remedial repair of EIFS cladding, masonry/flashing systems, roof drainage system and replacement of original standing seam metal roof. Total cost of repairs estimated at greater than \$650,000.00.

**Challenge:** Each campus/project provided unique challenges. At the Harrisburg campus, D&A identified concrete slab restoration methods that minimized damage to the existing walls. At both the York and Gettysburg campuses, ongoing water infiltration was causing damage to exterior wall construction and interior finishes. Through non-destructive and minimally-invasive analysis, D&A was able to identify the root causes and develop appropriate repairs.

**Value Added:** D&A was able to develop effective and economical repair methods and detailing to restore the functionality of the interior and exterior building envelope components while minimizing potential damage to existing construction and disruption to occupied facilities.

**Service performed:** Forensic investigation/analysis, preparation of construction documents and construction phase quality assurance services

**Client/Contractor:** HACC/Eastern PCM  
**Architect:** Davidson & Associates

**Duration:** 2009 - 2015