
DAVIDSON & ASSOCIATES

CONSTRUCTION ANALYSTS, INC.

Center for Food Science & Technology University of Maryland Eastern Shore **Forensic Investigation, Design Repairs & Quality Assurance During Repairs**



The new two story, 39,400 sf classroom building exhibited chronic leaks in the exterior façade before construction was complete. The University is located in Princess Anne, MD.

Challenge:

- Davidson & Assoc. provided forensic investigation to determine the source of chronic leaks at several different types of junctions between assemblies, utilizing a Borescope to observe hidden construction and to design repairs. Construction could not disrupt the University while repairs were made.

Value Added:

- Through the forensic investigation, we were able to determine that flashing was consistently either missing or improperly installed at several types of conditions. D&A assisted the project team by designing flashing details for the various conditions which were then installed, and water tested in collaboration with the general contractor. The flashing installation included removing cast stone copings as well as portions of the brick walls. All work was performed from the exterior and staging located in a manner that did not interfere with interior with the building operations.

Service Performed:

- Forensic Investigation, Construction Analysis and Construction Forensics, Waterproofing investigation
- Design revised flashing details
- Quality Assurance - Construction Phase Services

Owner/Client: University of Maryland
Contractor: Forrester Construction Company

Architect: Design Collective