
DAVIDSON & ASSOCIATES

CONSTRUCTION ANALYSTS, INC.

Winchester Medical Center **Forensic Investigation, Design Repairs & Quality Assurance during Construction**



The 411-bed, six-story, non-profit regional hospital facility, completed in 1990 developed leaks in the exterior walls within three years of completion. Two nationally known engineering firms investigated the leaks and developed a scope of work and repairs were made. The repairs, however, did not correct the leak problems. Davidson & Associates was then called in to investigate and develop a scope of work for repairs. The Hospital is located in Winchester, VA.

Challenge: Davidson & Assoc. was contracted to investigate chronic leaks at the exterior of the building to identify the cause of the leaks after previous repairs failed to correct the problem.

Value Added: Davidson & Assoc. was called in to investigate chronic leaks at the exterior of the building after two well known Forensic Engineering companies implemented repairs which did not correct the problem. D&A performed extensive investigation and designed repairs which have stopped the leaks. D&A worked closely with the Hospital to coordinate the contractors work, implementing repairs with the least disruption of hospital operations. During construction, D&A monitored the work to ensure the quality of the repairs.

Service performed: Forensic Investigation, design repairs, and quality assurance during construction

Award: Award of Merit presented to Davidson & Associates for Recognition of Winchester Medical Center – Masonry Reflashing, Recognized for Excellence in the Repair of Masonry. Presented October 30, 2008 by International Concrete Repair Institute.

Client: Winchester Medical Center, Valley Health

Repair Contractor: Masonry Preservation Services

Duration: 2003-2008

Product Type: Regional Hospital

Magnitude: \$5.5 Million