
DAVIDSON & ASSOCIATES

CONSTRUCTION ANALYSTS, INC.

Towson Woods Apartments Railing Inspection and Quality Assurance during Construction



Due to failure of a wooden railing on a nearby apartment building, Baltimore County required all properties with wooden railings to be inspected by a “Third Party” expert. Davidson & Assoc. inspected the subject property and found that the vinyl railing system did not provide the required protection and that the beams supporting the floor joists were in various stages of decay. Total replacement was required.

Challenge: In order to replace the beams, temporary shoring had to be designed and installed to support each balcony and the roof trusses.

Value Added: Davidson & Assoc. was able to design temporary shoring to permit the apartments to remain occupied during construction

Service performed: Design of temporary shoring, new supporting beams and railings for a 168 unit, multi-building apartment complex.

Client/Contractor: Bozzuto Management / Chesapeake Finishing

Duration: 6 months / 2015

Architect: Davidson & Assoc. Construction Analysts, Inc.

Structural Engineer: Comprehensive Structural Solutions, LLC