

Sean R. Casady, P.E.

Project Engineer

Summary of Capabilities

Building Envelope Evaluation
Water Infiltration Evaluation and Water Testing
Specification Development and Design of Repairs
Structural Evaluation and Design
Structural Damage Evaluations
Project Management
Quality Assurance and Field Inspections

Years of Experience

With Giles Flythe: 4 Years
With Other Firms: 2 Years

Education

B.S., Civil Engineering, North Carolina State University,
2017

Professional Organizations/Registrations/Awards

North Carolina Professional Engineer, No. 052317, 2021
Fundamentals of Engineering, 2017

Mr. Casady has worked in the field of Structural Engineering and Building Envelope Consulting for 6 years combined. Mr. Casady's Building envelope enclosure experience has included building enclosure evaluations, water testing, quality assurance field inspections, specifications development, and project management. Structural experience has included residential and commercial building evaluations, development of repairs, evaluations of damage, and development of structural drawings.

Mr. Casady's project experience includes a broad range of properties from large multi-story and high-rise buildings to small residential properties. Various projects have included the evaluation of structural damages, various façade components (brick, stone, stucco, EIFS, siding wall panels), and roof components (including low slope and steep slope roofing such as asphaltic and cedar shingles). Various projects have included cause and origin analysis, building code compliance, and the development of repair remediation documents.

PROJECT EXPERIENCE

Various Commercial and Residential Forensic Evaluations throughout North Carolina

Mr. Casady has been performing forensic evaluations on existing structures throughout North Carolina for approximately 4 years. His experience has included the evaluation of structural damages associated with foundation settlement and failures, water infiltration, material/workmanship deficiencies, and tree impacts. Mr. Casady has also designed structural modifications to various structures including the removal of load-bearing walls, columns, and expansions of existing buildings. Mr. Casady also has performed water infiltration evaluations on multiple buildings to determine the source of water infiltration and design appropriate remedial repairs. The types of services typically performed during these types of studies generally include coordinating with the homeowner, contractors, site reconnaissance/assessment, and the development of a remediation plan. Mr. Casady has performed these services for Insurance Companies, homeowners, contractors, and building owners.

Building Envelope Consulting and Specification Development for Capital Repair and Improvement Projects

Mr. Casady has assisted multiple community associations in numerous capital improvement and repair projects including roof replacements, (flat and steep slope roofs) façade repairs (exterior wall coatings and repair), siding replacements, and structural repair projects (balcony replacements, retaining wall replacements, widespread structural failures). These projects included evaluation, specification development, bid solicitation, and quality assurance inspections during these projects. Project management and field problem solving was also a part of these projects.