



Robert K. Cleere

Senior Project Manager | Director of Testing Operations
Building Envelope Consulting, LLC

412 S. King Street, Leesburg, VA 20175

PROFESSIONAL BACKGROUND AND EXPERIENCE

BUILDING ENVELOPE CONSULTING, LLC Leesburg, VA

Director of Testing Operations	2020 - Present
Senior Project Manager	2020 - Present
Project Manager	2018 - 2019
Building Envelope Technician	2017 - 2018

BEC specializes in the development of structural, architectural, roofing and waterproofing restoration of existing buildings.

- Perform condition surveys such as facade and roof inspections and provide recommendations, cost analysis and evaluation and design of repairs for the entire building envelope including above and below-grade waterproofing, plaza deck, roofs, walls, balconies, parking garages, doors and window systems.
- Construction claims site-visits, reports, warranty studies, and expert-witness testimonies.
- Expert in destructive and non-destructive leak detection.
- Perform testing of glazing assemblies per AAMA and ASTM Standards.
- Provide bidding, contract administration and construction observation.
- Provide design, construction specifications and code compliance review.
- Provide design of exterior wall, waterproofing and roofing systems.
- Successfully provided oversight on multi million dollar construction projects.
- Project experience includes multi-family low to high-rise residential, condominiums, Class A and mixed-use commercial office, hotel, religious, healthcare, primary and higher education, municipal, government/military, data center and light industrial.

INDOOR ENVIRONMENTAL SYSTEMS, INC. Cary, NC

Indoor Air Quality Consultant/Building Analyst	2012 - 2017
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- Meet with homeowners to conduct thorough assessments of the home, focusing on improving indoor air quality (IAQ), occupant health and comfort, and energy efficiency.
- Determine contributing factors to poor IAQ, mold growth and inadequate moisture management and provide detailed analysis and recommended remediation procedures.

- Create custom pictorial report for each client, detailing the findings of the initial consultation in a digital document, along with a proposal for completing work.
- Design and implement scope of work to improve discovered issues, including crawlspace encapsulation, mold remediation, air duct system cleaning/replacement, attic insulation and installation of air filtration, purification and ventilation systems.
- Responsible for \$2 million in sales revenue since beginning work, managing over 500 different projects during that time.

ABOVE AND BEYOND ENERGY

Wilmington, NC

RESNET HERS Rater

2010 - 2012

- Advised and consulted with building contractors regarding energy efficient framing, insulation, and various building materials and installation techniques, ensuring maximum energy efficiency and compliance with building codes and building programs, such as ENERGY STAR and LEED.
- Perform blower door and duct blaster tests in combination with a whole-home analysis to complete new home energy ratings in accordance with RESNET.
- Verified compliance with the LEED for Homes performance requirements for a multi-family, low-income housing project, achieving Gold and Platinum ratings.
- Completed over 340 standard and 370 sampling ENERGY STAR certifications, along with dozens of NC Energy Code compliance tests (blower door and duct blaster) since March 1, 2010.

EDUCATION

Associate of Science: Engineering - Wake Technical Community College, Raleigh, NC 2013

Major in Business Administration - University of North Carolina at Wilmington, Wilmington, NC 2008

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

- LEED AP BD+C
- Certified Infrared Thermographer, Level 2
- RESNET HERS Rater (certification no longer active)
- BPI Building Analyst (maintained for 6+ years, active)
- Certified Residential Mold Inspector
- Certified Commercial Mold Inspector
- Certified in Mold Remediation
- ENERGY STAR for New Homes
- AAMA 501.2-09, Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls and Sloped Glazing Systems Training
- AAMA 502-12, Voluntary Specification for Field Testing of Newly Installed Fenestration Products Training
- AAMA 503-14, Field Testing of Newly Installed Storefronts, Curtain Walls, and Sloped Glazing Systems Training

- AAMA 511-08, Voluntary Guideline for Forensic Water Penetration Testing of Fenestration Products Training
- ASTM D7877-14, Standard Guide for Electronic Methods for Detecting and Locating Leaks in Waterproof Membranes Training
- ASTM E779-19/E1827-11(2017) and USACE Whole Building Pressurization Testing Training
- ASTM C1153-10(2015), Standard Practice for Location of Wet Insulation in Roofing Systems Using Infrared Imaging Training
- ASTM E2357-18, Standard Test Method for Determining Air Leakage of Air Barrier Assemblies Training
- ASTM E1186-17, Standard Practices for Air Leakage Site Detection in Building Envelopes and Air Barrier Systems Training
- ASTM D4541-17, Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers Training
- ASTM C900-19, Standard Test Method for Pullout Strength of Hardened Concrete Training
- ANSI/SPRI IA-1, Standard Field Test Procedure for Determining the Uplift Resistance of Insulation and Insulation Adhesives over Various Substrates Training