



HALLIWELL

MARK HENRY, RA, AIA, NCARB

ASSISTANT DIRECTOR, FORENSIC ARCHITECTURAL SERVICES

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SPECIALTIES

- Building Envelope Investigations
- Building & Accessibility Code Consultant
- Building Damage Causation Analysis
- Building Materials Analysis
- Construction Deficiency/Defect Analysis
- Inspection of Fenestration, Wall Cladding and Roofing Systems for Moisture Intrusion Analysis of Architectural and Structural Building Systems
- Analysis for Cause and Origin of Intrusion/Damage Assessments
- Envelope – Redesign & Reconstruction
- Scope of Damage Assessments
- Building Code, Sub-Division and Zoning Code Regulations and Ordinance Review/Analysis
- Accessibility Code Review/Analysis
- Building Materials Selection and Performance Analysis
- Forensic Inspection/Testing of Conditions
- Observation of Inspections and Testing by Others
- Forensic Analysis of Documentation/Timeline Analysis
- Preparation of Forensic Investigation Reports
- Mediation/Trial Assistance
- Expert Witness
- Development of Remedial Design Plans and Specifications
- Peer Review of Construction Documentation
- Document Coordination
- Bid Analysis and Recommendations
- Contract Administration
- Shop Drawing Review
- Inspections, Verification and Validation
- Project Closeout, Final Documentation

BIOGRAPHY

Mark Henry has more than forty years of experience as an architect in building design, documentation, and construction. He has provided architectural and planning services for many building types and a wide variety of projects including single family residences, multi-family, religious, educational, commercial, industrial, theatre, restaurant, and clean room lab/ manufacturing facilities. Prior to his career in architecture, he worked in the construction field where he gained comprehensive knowledge of construction and materials.

As a building envelope expert, Mark performs on-site inspections, assessments, investigations, and Cause & Origin evaluations. He has extensive experience regarding building envelope analysis for masonry, stucco, exterior insulation and finish systems (EIFS), window glazing systems, flashing, water

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and vapor barriers, roofing systems and resolutions to building envelope failures due to moisture infiltration.

Mark has provided expert investigation support for construction deficiency/defect cases involving various building system components, mediation, and trial preparation. He has provided expert witness testimony for building codes, accessibility codes, construction issues and zoning code regulations.

During his more than twenty years as principal and founder of Mark D. Henry Architect, P.C., Mark had the opportunity to work with many businesses throughout the region. He was often tasked with creative solutions for space needs, utilization, streamlining facility management, material selection and best-use analysis, administration of outside consultants, site review and selection and representation before governing bodies. His experience includes co-founding and managing a real estate development and investment company, concentrating on the rehabilitation and adaptive re-use of commercial and residential properties. His responsibilities included real estate acquisition and divestiture transactions, leasing, management and financial analysis, facility maintenance analysis and repair; vendor and contractor management; and building envelope issues.

QUALIFICATIONS

BArch., Pennsylvania State University College of Arts and Architecture

B.S. Architecture, Pennsylvania State University College of Arts and Architecture

INDUSTRY CERTIFICATIONS, LICENSES AND MEMBERSHIPS

Licensed Professional Architect: FL, MD, NC, NJ, NY, PA, SC, TX, VA

PROFESSIONAL EXPERIENCE

- Halliwell, Assistant Director, Forensic Architectural Services
- Mark D. Henry, Architect, P.C., Principal

REPRESENTATIVE ASSIGNMENTS

- Inspection, analysis, assignment of responsibility, review of corrective measures and mediation support for construction defect claims involving stucco and EIFS at multiple, multi-family townhouse/condominium projects in Pennsylvania and New Jersey.
- Inspection, analysis, assignment of responsibility, review of corrective measures and mediation support for construction defect damaged caused to a 148,000 square foot standing seam roof in Virginia.
- Inspection, analysis, assignment of responsibility, review of corrective measures and mediation support for defense of \$14 million construction defect claim involving roofing and siding and resultant damaged alleged at a 322-unit townhouse/condominium project in New Jersey.

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- Inspection, analysis, assignment of responsibility, review of corrective measures and mediation support for claim involving roofing construction defect and resultant damaged alleged at a 200-unit condominium project in New Jersey.
- Multiple multi-tenant projects encompassing hundreds of thousands of square feet, involving code review for provision applicability and requirements for code upgrades for the restoration of damaged properties including structural, fire rating, life safety systems, energy conservation and accessibility issues.
- Multiple roofing system investigations for claimed property damage and water infiltration from wind, rain and/or hail including residences and commercial buildings measuring hundreds of thousands of square feet. Services include inspection, analysis, assignment of responsibility, review of corrective measures and in some cases, mediation support.
- Multiple window and/or building envelope system investigations for claimed property damage and water infiltration from wind and rain including inspection, analysis, assignment of responsibility, review of corrective measures and mediation support.
- Inspection, analysis, re-design, and re-construction of a fire damaged 8,000 sq. ft. private residence in Pennsylvania including structural assessment and engineering, code assessment, mold remediation and finishes documentation.
- Inspection, analysis, re-design, and re-construction of a fire damaged 6,000 sq. ft. historic residence in Pennsylvania including: structural assessment and engineering, historic stature evaluation, window selection and finishes documentation.
- Inspection, analysis, re-design, and re-construction for the structural collapse of the bell tower of a church structure in Pennsylvania including structural damage assessment and evaluation, restoration planning, and contractor bid evaluations.
- Inspection, analysis, re-design and re-construction of the belltower structure and interior finishes after fire damage for a church structure in Pennsylvania.