



EDUCATION

- University of Miami
 - Bachelor of Science, Mechanical Engineering, 2004

PRACTICE AREAS

- Roofing and Waterproofing
- Roof Assessment and Design
- Peer Review
- Failure/Damage Investigations
- Field Monitoring
- Research and Product Evaluation

PROFESSIONAL AFFILIATIONS

- ASTM International
- RCI, Inc.

CONTACT

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EXPERIENCE

Chadwick Collins joined WJE in 2017 with over ten years of roofing experience. Mr. Collins' work includes on-site assessments, roof failure investigations, roofing document reviews, and product training. He also has experience with material and system testing to evaluate wind, fire, and impact performance.

Mr. Collins continues to participate in standards development impacting the roofing industry at ASTM International, and has worked with several trade groups in evaluating the impacts of the changes to ASCE-7 on the roofing industry.

REPRESENTATIVE PROJECTS

Roof Assessment and Design

- Muhammad Ali Center - Louisville, KY: Roof assessment of modified bitumen roofing system*
- GM Spring Hill Assembly Plant - Spring Hill, TN: Roof assessment of single-ply roofing system*
- Simon Property Group Headquarters - Indianapolis, IN: Roof assessment of single-ply roofing system*
- Delray Beach Public Library - Delray Beach, FL: Roof assessment of modified bitumen roofing system*

Peer Review

- Broken Arrow Freshman Academy - Broken Arrow, OK: Roofing specification and drawings

Failure/Damage Investigation

- Papa Johns Commissary and Office Building - Louisville, KY: Water infiltration investigation in built-up roofing system and repair documents*
- Indianapolis Public Schools, Raymond F Brandes School 65 - Indianapolis, IN: Infrared scan of built-up roofing system and repair documents*
- Lebanon Correctional Institution - Lebanon, OH: Water infiltration investigation in modified bitumen roofing system and repair documents*

Field Monitoring

- Indianapolis International Airport - Indianapolis, IN: Observation of single-ply roofing system installation*
- Toyota Motor Manufacturing Kentucky, Inc. - Georgetown, KY: Observation of single-ply roofing system installation*

Research and Product Evaluation

- Construction and evaluation of various roofing systems tested for approval with FM Global, Underwriters Laboratory, and Miami-Dade County*

* Indicates with previous firm

TECHNICAL COMMITTEES

- ASTM C16 - Thermal Insulation
- ASTM C16.22 - Organic and Nonhomogeneous Inorganic Thermal Insulations
- ASTM D08 - Roofing and Waterproofing
- ASTM D08.02 - Steep Roofing Products and Assemblies
- ASTM D08.04 - Felts, Fabrics and Bituminous Sheet Materials
- ASTM D08.18 - Nonbituminous Organic Roof Coverings
- ASTM D08.20 - Roofing Membrane Systems
- ASTM D08.22 - Waterproofing and Damp Proofing Systems
- ASTM D08.24 - Sustainability
- ASTM E05 - Fire Standards
- ASTM E05.14 - External Fire Exposures
- ASTM E05.22 - Surface Burning
- ASTM E06 - Performance of Buildings
- ASTM E06.55 - Performance of Building Enclosures
- ASTM E06.57 - Performance of Metal Roof Systems
- ASTM E60 - Sustainability
- ASTM E60.01 - Building and Construction
- ASTM E60.80 - General Sustainable Standards