PERSONNEL QUALIFICATIONS

Scott E. Riley | Principal

EDUCATION

- University of Illinois at Urbana-Champaign
  - Bachelor of Science, Architectural Studies, 1991
  - Master of Civil Engineering, 2000
  - Master of Architecture, 2000

PRACTICE AREAS

- Building Enclosure Consulting
- Condensation and Water Infiltration
- Facade Assessment
- Repair and Rehabilitation
- Roofing and Waterproofing

REGISTRATIONS

- Architect in CO, IL, and WY

PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- Building Enclosure Council - Colorado
- International Institute of Building Enclosure Consultants

CONTACT

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EXPERIENCE

Since joining WJE in 2003, Scott Riley has managed and contributed to a wide range of projects related to building enclosure systems for new and existing facilities. His practice is often focused on building facade, fenestration, and waterproofing systems, including the integration of these systems to address water infiltration, condensation, and air leakage issues. Mr. Riley also has expertise in the mitigation of condensation, ice damming, and snow management issues associated with snow country roofs.

Mr. Riley is routinely involved in the review of design documents and related field services for new construction projects; the evaluation and repair of existing building enclosure performance issues; and the assessment of building enclosure construction and design deficiencies. He has also provided litigation support and expert witness testimony for design and construction claims.

Prior to joining WJE, Mr. Riley was a project architect for State Farm Insurance Company as well as a design engineer for a Denver-based structural consulting firm.

REPRESENTATIVE PROJECTS

Building Enclosure Consulting

- Alexan Cherry Creek - Denver, CO: Design review of facade systems, below- and above-grade waterproofing, and roofing
- Snowmass Base Village - Snowmass, CO: Building enclosure design review of multibuilding base village redevelopment project
- Caldera House - Teton Village, WY: Design review of facade systems, below- and above-grade waterproofing, and roofing
- Kalahari Resort - Pocono Manor, PA: Building enclosure design review for multiuse resort development containing a hotel, conference center, and indoor water park

Condensation and Water Infiltration

- Riverfront Park Lofts - Denver, CO: Investigation/instrumentation of windows to determine causes of condensation
- James Kennedy Aquatic Center - Tipton, IA: Investigation into the causes of water infiltration and condensation issues resulting in accelerated deterioration of exterior wall, window, and roof assemblies
- Parmly Billings Library - Billings, MT: Analytical evaluation of condensation potential resulting from an externally exposed structural steel frame

Repair and Rehabilitation

- Briargate Condominiums - Denver, CO: Design and construction phase services for plaza rehabilitation and facade recladding
- Four Seasons Resort - Jackson, WY: Investigation and repair design to address water infiltration issues at elevated decks
- Heartwood Athletic Club - Aurora, CO: Evaluation of natatorium roof collapse and design of replacement structure
- Park Mayfair Condominiums - Denver, CO: Plaza redevelopment including structural repairs and waterproofing replacement
- Water Tower Lofts - Denver, CO: Investigation and repair design to address water infiltration issues at exterior walls
- Various private residences - Vail, CO; Aspen, CO; and Jackson, WY: Investigation and repair design resulting from water infiltration and condensation issues

Roofing and Waterproofing

- dpiX - Colorado Springs, CO: Investigation into elevated moisture levels within the roof assembly of a humidified and positively-pressurized manufacturing facility, including development and implementation of a remote monitoring system
- Solaris Vail - Vail, CO: Design and detailing of foundation, plaza, and above-grade balcony waterproofing systems
- Larkspur Townhomes - Park City, UT: Analysis and repair design for existing roof leakage, condensation, and ice damming issues
- Annie Mitchell Condominiums - Aspen, CO: Evaluation and repair design for existing roof to address ice damming and snow retention issues
- The Charter - Beaver Creek, CO: Assessment of proposed conversion from ventilated to super-insulated roof assembly