



#### EDUCATION

- Aims College
  - Associate of Applied Science, Engineering Technology/Computer-Aided Drafting, 2008

#### PRACTICE AREAS

- Roofing and Waterproofing
- Roof Assessment and Design
- Failure Investigation
- Repair and Rehabilitation
- Nondestructive Evaluation
- Water/Air Leakage Assessment
- Computer-Aided Design

#### REGISTRATIONS

- Certified Building Infrared Thermographer
- Registered Roof Consultant
- Registered Roof Observer

#### PROFESSIONAL AFFILIATIONS

- Colorado Roofing Association
- International Institute of Building Enclosure Consultants
- National Roofing Contractors Association
- Scaffold and Access Industry Association

#### CONTACT

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#### EXPERIENCE

Bryan Reinke conducts roof and building enclosure-related projects, including condition assessments, failure analysis, leakage surveys, construction document preparation, peer review services, litigation support, and on-site quality assurance observations. Mr. Reinke also assists in field investigations, including water and air infiltration testing of window, wall, and roofing assemblies, many involving the use of nondestructive testing techniques, such as infrared thermography, roof wind uplift testing, electronic leak detection testing, and ASTM and AAMA window testing. His expertise includes low- and steep-slope roofing systems, stucco, EIFS, and storefront windows. Mr. Reinke is proficient in technical report writing, CAD drawing preparation, and design software programs.

#### REPRESENTATIVE PROJECTS

##### Roof Assessment and Design

- Colorado State University - Fort Collins: Roof condition assessment and repair/replacement cost analysis of eighty-five buildings; roof replacement design and construction administration services at multiple buildings
- University of Northern Colorado, McKee Hall and Arts Annex - Greeley: Roof replacement design and construction administration services
- City of Thornton - CO: Roof condition assessment and repair/replacement cost analysis of thirty-eight buildings
- City of Longmont - CO: Roof condition assessment and repair/replacement cost analysis of sixty buildings
- Red Rocks Community College - Lakewood, CO: Roof replacement design and construction administration services
- City of Denver, St. Charles Recreation Center - CO: Roof Replacement design and construction administration services
- Cody House - Teton Village, WY: Evaluation and repair design to address ice damming and snow retention issues at roof
- Confluence Park - Denver, CO: Moisture capacitance testing of roofing system

##### Repair and Rehabilitation

- Orchard Plaza - Greenwood Village, CO: Roof wind uplift testing and investigation into alleged roofing construction defects
- University of Northern Colorado - Greeley: Roof system failure analysis and repair design of six student apartment buildings
- Broadmoor West - Colorado Springs, CO: Roof, window, and cladding assessment due to reported hail event
- Colorado State University, Industrial Sciences - Fort Collins: Evaluation and leakage investigation into alleged construction defects of roofing system and windows

##### Nondestructive Evaluation

- Denver Custom House - CO: Thermal performance evaluation of installed windows using infrared thermography and digital thermometers with thermocouples
- Denver International Airport - CO: Ground penetrating radar (GPR) testing to identify reinforcement in elevator core walls
- Drainage Pump Stations - New Orleans, LA: GPR testing to identify void spaces within masonry walls

##### Water/Air Leakage Assessment

- Snow Flower Condominiums - Steamboat Springs, CO: Thermographic scan and evaluation of repairs for deteriorated EIFS
- Denver Justice Center - CO: Thermographic scan and air leakage testing to determine cause of sprinkler line rupture
- Colorado State University - Fort Collins: Air leakage testing for cause of condensation-related issues within attic space of nineteen student apartment buildings
- Police Training Facility - Thornton, CO: Water leakage testing to determine source of water infiltration issues at roof

##### Computer-Aided Design

- St. Louis Arch - MO: Creation of scale model replica of structure for rigging and repelling concepts
- Theme Park - US: Conceptual renderings of structure to aid in rigging and repelling concepts
- University of Colorado, Medical Building - Denver: Conceptual renderings to aid in repair recommendations of installed curtain wall assembly