

### Bryan Reinke | Specialist



#### EDUCATION

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

#### PRACTICE AREAS

- Nondestructive Evaluation
- EIFS, Stucco, Plaster
- Water/Air Leakage Assessment
- Roof Assessment and Design
- Computer-Aided Design
- Computer Modeling

#### REGISTRATIONS

- Certified Building Investigations Thermographer

#### PROFESSIONAL AFFILIATIONS

- RCI, Inc.
- Scaffold and Access Industry Association

#### CONTACT

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#### EXPERIENCE

Bryan Reinke participates in numerous field investigations utilizing various nondestructive testing techniques including water and air infiltration testing of window and wall assemblies, infrared thermography, and ground-penetrating radar (GPR). He also performs on-site observations for repair and new construction projects, and has extensive experience developing construction documents using computer-aided drafting and 3D modeling programs. Prior to joining WJE in 2008, Mr. Reinke worked as a supervisor for Mile High Stucco, where he directed and supervised stucco and stone installation.

#### REPRESENTATIVE PROJECTS

##### Nondestructive Evaluation

- Denver International Airport - Denver, CO: Ground penetrating radar testing to identify reinforcement in elevator core walls
- Denver Custom House - Denver, CO: Evaluate thermal performance of installed windows through use of infrared thermography and digital thermometers with thermocouples
- Denver Justice Center - Denver, CO: Thermographic scan and air leakage testing to determine the cause of sprinkler line rupture
- Drainage Pump Stations - New Orleans, LA: Ground penetrating radar testing to identify void spaces and anomalies within masonry walls
- Federal Reserve Bank Parking Structure - Kansas City, MO: Nondestructive evaluation utilizing ground penetrating radar and impact echo
- Oxford Station - Denver, CO: Nondestructive evaluation of concrete podium slab utilizing impact echo

##### EIFS, Stucco, Plaster

- Northcare Medical Center - Colorado Springs, CO: Water leakage investigation, repair recommendations, and construction observation services
- Private Residence - Golden, CO: Repair recommendations and evaluation of repair work for damaged and deteriorated EIFS

- Snow Flower Condominiums - Steamboat Springs, CO: Thermographic scan and evaluation of repair work for damaged and deteriorated EIFS

##### Water/Air Leakage Assessment

- Midtown Crossing - Omaha, NE: Water penetration resistance and air infiltration testing at installed storefront assemblies and terrace doors in conformance with AAMA and ASTM specifications
- Village Center Station - Greenwood Village, CO: Water testing of installed storefront and curtain wall assemblies in conformance with AAMA specifications
- 250 Columbine - Denver, CO: Water penetration resistance and air infiltration testing at installed windows, doors, and adjacent weather resistive barriers in general conformance with ASTM specifications and project requirements

##### Roofing Assessment and Design

- Vaughn Elementary School - Aurora, CO: Observation of new roof installation
- Gaitway Plaza - Ocala, FL: Roof condition survey and thermographic moisture analysis
- Wolfchase Galleria - Memphis, TN: Roof condition survey and thermographic moisture analysis

##### Computer Modeling

- St Louis Arch - St Louis, MO: Creation of scale model replica of the structure for rigging and repelling concepts utilizing AutoCad, Sketchup and 3D printing software
- University of Colorado Medical Building - Denver, CO: Conceptual renderings to aid in repair recommendations of installed curtain wall assembly

##### Computer-Aided Design

- Abilene Teachers Credit Union - Abilene, TX: Conceptual isometric figures to aid in masonry flashing repairs