



PERSONNEL QUALIFICATIONS

Bryan Reinke | Senior Associate



EDUCATION

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

PRACTICE AREAS

- Roof Assessment and Design
- Nondestructive Evaluation
- Water/Air Leakage Assessment
- Computer-Aided Design

REGISTRATIONS

- Certified Building Investigations 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 joined WJE in 2008 and has since participated in numerous roof inspections and roof repair/replacement design projects. This includes condition surveys, failure analysis, roof moisture surveys, construction document preparation, and on-site quality assurance observation services. Mr. Reinke also assists in numerous 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, and ground-penetrating radar. In addition, he has extensive experience developing construction documents using computer-aided drafting and 3D modeling programs.

Prior to joining WJE, Mr. Reinke worked for approximately five years as a supervisor directing stucco and stone cladding installation.

REPRESENTATIVE PROJECTS

Roof Assessment and Design

- Colorado State University - Fort Collins: Roof condition assessment and repair/replacement cost analysis of eighty-five buildings within the Housing and Dining Service division
- Chestnut Condominiums - Lakewood, CO: Roof condition assessment of eleven apartment buildings utilizing drone technology
- Confluence Park - Denver, CO: Moisture capacitance testing of roofing system
- University Roof Deck #2 - Greeley, CO: Roof assessment, roof repair/replacement design, and construction observation services
- Cherry Creek Schools - Aurora, CO: Development of roofing replacement drawings and specifications and construction observation for seven school district buildings
- Park Arapahoe - Centennial, CO: Roof assessment, roof repair/replacement design, and construction observation services
- Wolfchase Galleria - Memphis, TN: Roof condition survey and thermographic moisture analysis
- Littleton Station - Littleton, CO: Thermographic moisture analysis of roofing system on two apartment buildings

Nondestructive Evaluation

- Legacy at Highlands Ranch - Highlands Ranch, CO: Building envelope evaluation using infrared thermography on nine apartment buildings
- Denver Custom House - CO: Thermal performance evaluation of installed windows through use of infrared thermography and digital thermometers with thermocouples
- Denver International Airport - CO: Ground penetrating radar testing to identify reinforcement in elevator core walls
- 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 and ground penetrating radar

Water/Air Leakage Assessment

- Snow Flower Condominiums - Steamboat Springs, CO: Thermographic scan and evaluation of repair work for damaged and deteriorated EIFS
- Denver Justice Center - CO: Thermographic scan and air leakage testing to determine the cause of sprinkler line rupture
- AV Tech - Wheat Ridge, CO: Roof leakage investigation utilizing infrared thermography
- Steam Plant Lofts - Denver, CO: Thermographic scan and moisture infiltration testing to determine the cause of interior water leakage

Computer-Aided Design

- St. Louis Arch - 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: Conceptual renderings to aid in repair recommendations of installed curtain wall assembly