



#### EDUCATION

- Western Kentucky University
  - Bachelor of Science, Environmental Geology, Minor in Chemistry, 1999

#### PRACTICE AREAS

- Facade Assessment
- Failure/Damage Investigations
- Nondestructive Evaluation
- Water/Air Leakage Assessment
- Roofing and Waterproofing
- Floorings and Underlayments
- Prepurchase Surveys
- Windows and Curtain Walls
- Litigation Consulting

#### REGISTRATIONS

- ABAA Certified Air Barrier Specialist
- Level II Infrared Building Science Thermographer
- Registered Exterior Wall Observer

#### PROFESSIONAL AFFILIATIONS

- American Society of Nondestructive Testing
- Building Envelope Council - Portland BEC
- International Institute of Building Enclosure Consultants

#### CONTACT

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#### EXPERIENCE

Sean O’Shea is an accomplished investigator of existing structures who focuses on building enclosure issues, including moisture ingress and interior\exterior air leakage stemming from material defects, deficient construction, and the environment. He has examined many types of structures and their various window, roof, and wall assemblies, including multifamily complexes, low-rise and high-rise commercial buildings, parking structures, pedestrian bridges, and residential structures.

Since joining WJE in 2003, Mr. O’Shea has assessed, investigated, and designed repairs on hundreds of projects across the U.S. Pacific Northwest and beyond. In doing so, he has participated in two decades of construction-related knowledge related to design, material performance, installation methods, and overall building behavior.

Mr. O’Shea has extensive experience with nondestructive evaluation tools, specifically with infrared technology relating to building behavior and performance. He is a Level II certified thermographer and has utilized this testing on structures across the United States.

An experienced expert witness, Mr. O’Shea has provided litigation support in construction defect cases, testified in two jury trials, and participated in numerous depositions. Mr. O’Shea has excelled at project management with large corporate clients in the Portland area. These services have included facade and structural condition assessments, defect investigation, repair design, and construction period observations.

#### REPRESENTATIVE PROJECTS

##### Facade Assessment

- Confidential - U.S. Pacific Northwest: Envelope condition assessments, including for thirty total buildings with reports and ten-year opinion of probable costs (OPC) for recommended repairs and maintenance
- Jory Trail Apartments - Wilsonville, OR: Facade investigations, repair design, and construction administration services

#### Water/Air Leakage Assessment

- Everybody’s Brewing - White Salmon, WA: Leak-related investigation, water testing, repair design, and construction administration services of new brewery/restaurant expansion
- Kimpton Hotel Monaco - Portland, OR: Moisture investigation and water testing of historic hotel terra cotta facade

#### Roofing and Waterproofing

- Caldera High School - Bend, OR: Building envelope consultant services for new high school construction
- Confidential - U.S. Pacific Northwest: Drainage investigation and testing on newly installed granite tile plaza assembly

#### Prepurchase Surveys

- Home Plate Center - Seattle, WA: Facade and roof investigation including report and ten-year OPC
- 232 East 2nd Street - Los Angeles, CA: Infrared facade investigation and report of multifamily buildings
- Heathman Hotel - Portland, OR: Facade evaluation including report and ten-year OPC

#### Windows and Curtain Walls

- Waterfront Pearl - Portland, OR: Litigation support related to manufacturer window defects and acoustical resins
- Pinnacle Condominiums - Portland, OR: Window-related document review, investigation, and litigation support
- Central Oregon Community College - Bend: Evaluation and repair recommendations of existing curtain wall assemblies