



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

- Level II Infrared Building Science Thermographer

PROFESSIONAL AFFILIATIONS

- American Society of Nondestructive Testing (ASNT)
- Building Envelope Council - Portland BEC
- International Institute of Building Enclosure Consultants (IIBEC)

CONTACT

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EXPERIENCE

Sean O'Shea is an accomplished investigator of existing structures, focused primarily on building enclosure issues such as 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 Pacific Northwest and beyond. In doing so, he has participated in two decades of evolution in 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 (IR) technology as it relates to building behavior and performance. He is a Level II certified thermographer and has utilized this tool on structures across the country.

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 - Pacific Northwest: Envelope condition assessments, including thirty total buildings to date 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 - 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, OR: Evaluation and repair recommendations of existing curtain wall assemblies