



## PERSONNEL QUALIFICATIONS

### Sean O'Shea | Senior Specialist



#### 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
- Bridges
- Litigation Consulting
- Windows and Curtain Walls

#### REGISTRATIONS

- FAA Part 107 Commercial Drone Pilot
- 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

#### CONTACT

SOShea@wje.com  
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#### EXPERIENCE

Sean O'Shea assesses, investigates, and directs repairs on a wide variety of architectural and structural systems. Mr. O'Shea has comprehensive experience inspecting and investigating window failures and performance, building facades, bridges, roofing problems, and fire damage, as well as construction defect litigation and support. Building owners and contractors rely on his thorough working knowledge of AAMA and ASTM standards and keen abilities to design and implement repairs that meet their project goals.

Mr. O'Shea is a Level II certified building science infrared (IR) thermographer and a founding member of WJE's drone team, holding a Part 101 FAA commercial drone pilot license. He excels in providing nondestructive testing procedures and assessments, resulting in efficient evaluations of even the most difficult access areas.

#### REPRESENTATIVE PROJECTS

##### Facade Assessment

- Worldmark Seaside - Seaside, OR: Facade assessment, window testing, infrared analysis, and litigation consulting
- Jory Trail Apartments - Wilsonville, OR: Facade investigations, repair design and construction administration services

##### Windows and Curtain Walls

- Courthouse Square - Salem, OR: Litigation support related to window damage from building movement
- Pinnacle Condominiums - Portland, OR: Window-related document review, investigation, and litigation support

##### Nondestructive Evaluation

- Washington State Capitol - Olympia: Drone flights to investigate the capitol dome's difficult access areas to determine potential leak intrusion areas
- Missouri State Capital - Jefferson City: Drone flights to provide facade assessment services related to a historic structure
- NW Portfolio - Portland, OR: Visual and IR investigation of several multifamily properties as part of a prepurchase inspection

##### Roofing and Waterproofing

- Jory Trail Apartments - Wilsonville, OR: Leak-related investigation, design, and repair of multi-family complex
- Ronaldo Plaza (Nike World Headquarters) - Hillsboro, OR: Drainage investigation and testing on granite tile plaza assembly
- East Portland Community Center - Portland, OR: Performance testing, roof replacement, construction oversight

##### Water/Air Leakage Assessment

- Nike World Headquarters - Hillsboro, OR: Leak-related investigation and testing at Tiempo and Pete Sampras buildings
- Center Commons - Portland, OR: Analysis of water damage through cladding and windows
- COA Building - Hillsboro, OR: Litigation support related to air leakage and decay of a combined school and office building

##### Bridges

- SR520 Bridge Pontoon - Aberdeen, WA: Inspection and analysis of post-tensioned pontoon system for Seattle bridge
- I-5 Interstate Bridge - Portland, OR: Fatigue retrofit of stringer cracking
- Oregon City Arch Bridge - Oregon City, OR: IR evaluation of structural concrete bridge components.