



PERSONNEL QUALIFICATIONS

Wade L. Vorley | Senior Associate



EDUCATION

- University of British Columbia
 - Bachelor of Arts, Urban Studies, 1999
- University of California, Berkeley
 - Master of Architecture, 2002

PRACTICE AREAS

- Roof Assessment and Design
- Subgrade Waterproofing
- Building Enclosure Consulting
- Water/Air Leakage Assessment
- Peer Review

REGISTRATIONS

- Architect in ID, OR, and WA
- National Council of Architectural Registration Boards (NCARB)
- Registered Roof Consultant (RRC)
- Registered Roof Observer (RRO)

PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- ASTM International
- International Institute of Building Envelope Consultants (IIBEC)
- Seattle Building Enclosure Council (SeaBEC)
- Washington Association of Maintenance and Operations Administrators (WAMOA)

CONTACT

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EXPERIENCE

Wade Vorley has been with WJE since 2002 and has focused his practice on building envelope investigation and repair design for building owners. Mr. Vorley also provides design consultation and peer review services for architectural firms and contractors as well as litigation support for attorneys and insurance companies.

A published author, Mr. Vorley's works include articles in trade journals, including ASTM STP 1617, published in 2019. He conducts research and has presented AIA accredited seminars at national IIBEC, National Roofing Contractors Association (NRCA), and ASTM symposia; at an International Waterproofing Membrane Conference in Germany; and locally in the U.S. Pacific Northwest for SeaBEC, IIBEC, AIA, BOMA, the Washington State Community Associations Institute (WSCAI), and at lunch-and-learn client events.

Prior to joining WJE, Mr. Vorley worked as a roof installer, supervisor, project manager, and cost estimator with a roofing contractor in the U.S. Pacific Northwest.

REPRESENTATIVE PROJECTS

Roof Assessment and Design

- Microsoft Buildings 30, 31, and 32 - Redmond, WA: Reroofing design and construction observation
- Columbia Tower - Seattle, WA: Assessment of roofing, plaza, and planter waterproofing
- Naval Hospital - Bremerton, WA: Assessment of sheet metal roofing and repair design of low-slope thermoplastic roofing
- Oregon School for the Deaf - Corvallis, OR: Roofing repair design and construction observation on three campus buildings
- Pier One Distribution Center - DuPont, WA: Investigation, design, and observation of single ply roofing installation on 700,000-square-foot tilt-up concrete warehouse
- Pacific Village - Aiea, HI: Investigation and repair design of tile mansard and low-slope roofing on twenty-six-building residential complex

Subgrade Waterproofing

- Elliott West Planters - Seattle, WA: Investigation and repair design of waterproofing of planters and plaza areas on three-building office complex
- Microsoft Building 85 - Redmond, WA: Investigation and repair design for below-grade and curtain wall leakage

Building Enclosure Consulting

- U.S. Environmental Protection Agency (EPA), Laboratory Building - Corvallis, OR: Post-construction evaluation of roofing and facades for full building renovation
- EPA, Plant Ecology Building - Corvallis, OR: Peer review of drawings for full building renovation
- CenturyLink Field Event Center - Seattle, WA: Construction observation of reflective single-ply roofing and solar panel installation designed by others
- Miller's Retreat - Seattle, WA: Replacement design of windows, cladding, and roofing at West Seattle condominiums

Water/Air Leakage Assessment

- Limelight Hotel - Ketchum, ID: Investigation of ice damming and ventilation issues, including repair design and observation
- Cold Storage Building - Burien, WA: Investigation of air leakage and thermal anomalies in the building envelope
- Sound Transit Maintenance Facility - Bellevue, WA: Electronic moisture detection and infrared drone roof surveys

Peer Review

- Seattle Municipal Tower - WA: Peer review of repair design and observation of sealant and stone cladding repairs to fifty-five-story office tower over a six-year period
- Lincoln High School Rehabilitation - Seattle, WA: Peer review and construction observation of roofing, facades, window installation, and below-grade waterproofing
- Savery Hall, University of Washington - Seattle: Slate roofing and low-slope roofing rehabilitation design assistance