PERSONNEL QUALIFICATIONS

Kyle C. Grunder | Senior Associate

EDUCATION

- Iowa State University
  - Bachelor of Science, Construction Engineering, 2009
- University of Nebraska
  - Master of Business Administration, Finance, 2018

PRACTICE AREAS

- Field Monitoring
- Construction Troubleshooting
- Peer Review
- Windows/Curtain Walls/Skylights

REGISTRATIONS

- Accredited Building Enclosure Commissioning Process Provider
- Accredited Commissioning Authority + Building Enclosure
- FAA - Remote Pilot Certificate
- Professional Engineer in IA, IN, KY, MI, OH, TN, and TX
- Registered Exterior Wall Observer
- Registered Roof Observer

PROFESSIONAL AFFILIATIONS

- International Institute of Building Consultants

CONTACT

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EXPERIENCE

Kyle Grunder's experience includes design peer review and construction quality assurance of curtain wall, point-supported glass, and metal panel assemblies, as well as their transitions with adjacent systems. He has provided water infiltration testing as well as field and plant observations for new and existing projects. Mr. Grunder is also an FAA certified drone pilot and is an active part of WJE's initiative to include advanced unmanned aerial systems, as part of our building enclosure services.

Mr. Grunder manages various projects—ranging from forensic investigations of air and water infiltration through vertical and horizontal building enclosure components to repair design and construction administration to ensure conformance with the project documents.

REPRESENTATIVE PROJECTS

Field Monitoring

- Bleu Ciel - Dallas, TX: Evaluation of fluid-applied and preformed waterproofing membrane installation
- Grey House - Houston, TX: Observations of vertical and horizontal fluid-applied waterproofing for conformance to project specifications
- Southwest Airlines Maintenance Hangar - Houston, TX: Evaluation of installed metal wall and roof panels and storefront glazing
- Museum of Fine Arts, Glassel School - Houston, TX: Window unit and air and vapor assessment and repair recommendations; observation of manufacturing plant activities during the assembly of oversized trapezoidal punched windows
- Texas Children's Hospital, Tower E - Houston: Comprehensive facade observations for curtain wall, ribbon window, and prefinished precast deficiencies
- University of Houston - TX: Campus-wide, post-Hurricane Harvey supplementary drone-aided observations of roof and facade conditions

Construction Troubleshooting

- One Bellevue Station - Denver, CO: Investigation of precast column grout conditions through drilling and repair observations
- Texas A&M College of Veterinary Medicine - College Station: AAMA 501.2 water leakage field test on curtain wall and punched window openings
- Texas Children's Hospital, Pediatric Tower E - Houston: ASTM E1105 field determination of water penetration

Peer Review

- Houston Methodist Hospital North Campus Expansion - TX: Curtain wall, metal panel, and point supported glass shop drawing review
- Museum of Fine Arts, Glassel School - Houston, TX: Vestibule shop drawing review
- Museum of Fine Arts, Kinder Exhibit - Houston, TX: Canopy glass shop drawing review
- Houston Methodist Hospital Emergency Department Expansion - Baytown, TX: Curtain wall shop drawings and product data review

Windows/Curtain Walls/Skylights

- Houston Methodist Hospital North Campus Expansion - TX: Evaluation of installed curtain wall panels and interface details
- The Galvestonian - Galveston, TX: Investigation and repair design of existing storefront and sliding door assemblies
- University of Houston Victoria Campus - Katy, TX: Peer review and site observations of glazing assemblies