



PERSONNEL QUALIFICATIONS

Bruce D. McMahon | Principal



EDUCATION

- University of Texas at Arlington
 - Bachelor of Science, Architecture, 1980
- University of Oklahoma
 - Master of Business Administration, 1997

PRACTICE AREAS

- Architectural Testing
- Coatings and Sealants
- EIFS, Stucco, Plaster
- Masonry
- Peer Review
- Roofing and Waterproofing
- Stone Cladding and Paving
- Water/Air Leakage Assessment
- Windows/Curtain Walls/Skylights

REGISTRATIONS

- Registered Roof Observer

PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- ASTM International
- International Institute of Building Enclosure Consultants
- Texas Society of Architects

CONTACT

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EXPERIENCE

Bruce McMahon is experienced in investigation, analysis and the design of corrective measures to mitigate problems with the integrity of all aspects of the building envelope. He joined WJE in 2004 and has thirty-five years of architectural, project management, and construction management expertise. Projects range in size from individual residential units to three million square feet.

Prior to joining WJE, Mr. McMahon was a vice president with the Sunland Group, a project and construction management firm. His services included design review, value engineering, cost estimating, field management of City of Houston construction projects, and project management of design projects at NASA's Johnson Space Center. In former positions, including ownership of a full-service architectural firm, Mr. McMahon performed a full range of services from site assessments and selections through one-year warranty periods.

REPRESENTATIVE PROJECTS

Architectural Testing

- Condominium Tower - Dallas, TX: Diagnostic spray water testing to investigate water leakage of the building envelope; repair design and construction phase services

Coatings and Sealants

- AT&T Stadium - Arlington, TX: System design of the seating bowl waterproofing, coating, and sealants; construction phase services

EIFS, Stucco, Plaster

- Dallas/Fort Worth International Airport - TX: Stucco and plaster system design review and construction phase services for all terminals

Masonry

- Texas Tech University, Architectural Building - Lubbock: Investigation of remedial masonry work following identification of new areas of distress; repair design and construction observations
- 555 Republic - Plano, TX: Investigation and remedial repairs following brick masonry facade failure

Peer Review

- City of Frisco Multiuse Center: Frisco, TX: Review of construction documents, design of revision recommendations, and construction observation services

Roofing and Waterproofing

- AT&T Stadium - Arlington, TX: Systems consulting on below-grade waterproofing, glazing, veneers, single-ply roofing, and fabric panels; construction phase services
- Mary Kay Headquarters - Dallas, TX: Design of below-grade waterproofing system; construction phase services
- Globe Life Field - Arlington, TX: Consulting on below-grade waterproofing, window systems, roofing, and other aspects of the building envelope; construction phase services

Stone Cladding and Paving

- Dallas/Fort Worth International Airport, Terminal B Stinger - TX: Nondestructive and diagnostic testing and assessment of distressed overlay paving system; reporting and schematic repair recommendations

Water/Air Leakage Assessment

- Tecnológico de Monterrey - Mexico City, Mexico: Air/water leakage diagnostic testing and assessment of building envelope; reporting and schematic repair recommendations

Windows/Curtain Walls/Skylights

- First Baptist Church - Wichita Falls, TX: Leakage investigation in new curtain wall, windows, and ornamental glass entry tower; repair recommendations, observation, and testing services
- Condominium Tower - Plano, TX: Investigation of pitted and scratched exterior glazing units, repair recommendations, and repair observations
- Office Tower - Mexico City, Mexico: Investigation of distorted and failed capillary system in insulated glazing units, repair recommendations, consultation, and repair observations