PERSONNEL QUALIFICATIONS

David J. Felleti | Senior Specialist

EDUCATION

- Harper Community College
  - Associate of Science, Architectural Technology, 1998

PRACTICE AREAS

- Condition Assessment
- EIFS and Stucco Systems
- Historic Preservation
- Leakage Investigation
- Materials Research and Evaluation
- Nondestructive Testing
- Roofing and Waterproofing
- Curtain Wall Systems

REGISTRATIONS

- ANST-Certified Levels I and II Thermographer

PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- American Society for Nondestructive Testing
- National Roofing Contractors Association
- National Trust for Historic Preservation

CONTACT

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EXPERIENCE

David Felleti is an experienced construction materials technician. He has conducted field and laboratory testing and observation services on a wide variety of structures and materials, including concrete, steel, glass, brick, mortar, ceramic tile, and roofing. Mr. Felleti has also tested materials such as roofing membranes, epoxy-coated reinforcing bars, Thermopane window sections, and brick and stone samples using numerous types of accelerated weathering equipment. He has conducted rapid chloride permeability tests, linear polarization measurements, half-cell measurements, and corrosion tests of reinforcing bars both immersed in solution and embedded in concrete.

Mr. Felleti's field testing experience includes working with a number of ASTM standards for the determination and measurement of air leakage and water penetration of walls and fenestrations, the determination of the static coefficient of friction of ceramic tile, roof uplift testing, and the measurement of moisture vapor emission of concrete subfloors. As an ASNT Level I Thermographer, he has conducted moisture and air infiltration testing on facades and roofs using thermal imaging.

REPRESENTATIVE PROJECTS

Condition Assessment

- Isle of Capri Casino - Lake Charles, LA: Post-Hurricane Wilma facade and EIFS damage inspections
- Major Restaurant - Various Locations, U.S.: Inspection of plate-connected wood trusses
- Major Retail Chain - Various Locations, U.S.: Exterior and interior wall and steel inspections
- Various Properties - AL, FL, LA, and MS: Post-Hurricane Katrina damage inspections

Historic Preservation

- Illinois State Capitol - Springfield: Interior and exterior building documentation
- Pullman State Historic Site - Chicago, IL: Interior and exterior measurements and documentation
- Liberty Memorial - Kansas City, MO: Stone facade documentation and structural inspection
- Wisconsin State Capitol - Madison: Mosaic inspection and exterior documentation
- Minnesota State Capitol - St. Paul: Thermal inspection of exterior facade and dome

Roofing and Waterproofing

- Comiskey Park (now Guaranteed Rate Field) - Chicago, IL: New waterproofing and sealant inspections and facade water testing
- IKEA - Schaumburg, IL: Roof inspections and wind uplift testing
- Louisiana Superdome - New Orleans: Post-Hurricane Katrina roof damage assessment
- New Orleans Ernest N. Morial Convention Center - LA: Post-Hurricane Katrina roof damage assessment
- Hadley Junior High School - Glen Ellyn, IL: Roof inspection with thermal imaging

Curtain Wall Systems

- EPA Headquarters - Raleigh, NC: Water testing of windows and roof areas
- Old Chicago Main Post Office - IL: Inspection and documentation of window conditions
- Riverside Military Academy - Gainesville, GA: Window, roof, and masonry testing
- Oak Park Public Library - Oak Park, IL: Water and Air testing
- Advocate Good Shepherd Hospital - Barrington, IL: Water and Air Testing
- Mayo Clinic - Rochester, MN: Thermal inspection for air loss
- State Farm Insurance Headquarters - Bloomington, IL: Window and facade water testing