

Tricia L. Fitzgerald | Senior Associate



EDUCATION

- Oklahoma State University
 - Bachelor of Architectural Engineering, 1999

PRACTICE AREAS

- Repair and Rehabilitation Design
- Condition Assessment
- Failure Investigation
- Litigation Consulting
- Structural Evaluation
- Roofing and Waterproofing

REGISTRATIONS

- Professional Engineer in FL
- LEED Accredited Professional

PROFESSIONAL AFFILIATIONS

- Florida Structural Engineers Association (FSEA), Palm Beach chapter director
- International Concrete Repair Institute (ICRI), South Florida chapter director

CONTACT

tfitzgerald@wje.com
954.830.5410
www.wje.com

EXPERIENCE

Tricia Fitzgerald specializes in architectural and structural investigations and restoration of building envelope components and structural systems. In her fourteen years of experience, Ms. Fitzgerald has conducted condition assessments of structures and building envelope components, has performed investigations of failed and collapsed structures, and has designed building envelope repairs and structural concrete and waterproofing repairs. Her expertise also includes construction observation of concrete repairs, EIFS, stucco, waterproofing, and sealants.

Prior to joining WJE, Ms. Fitzgerald gained experience in the testing, evaluation, and specification of products used for windborne debris protection in hurricane-prone regions.

REPRESENTATIVE PROJECTS

Repair and Rehabilitation Design

- Beach Club Tower One - Hallandale Beach, FL: Condition assessment and repair design for failed components, including stucco facade, masonry infill parapet walls, spalled and cracked concrete, sealants, and rooftop terrace drainage *
- Boca Bridge Hotel - Boca Raton, FL: Condition assessment of concrete balconies and design repairs for deteriorated concrete and reinforcement *
- Continuum of South Beach, South Tower - Miami Beach, FL: Condition assessment and repair design for defective building components, including stucco, door and window hardware, sealants, and window and railing paint*
- Vi at Aventura - Aventura, FL: Design of overclad EIFS system to encapsulate failed stucco façade; detailed construction observation of two twenty-three story towers and amenities building *

Failure Investigation

- Crane Collapse - Nassau, Bahamas: Investigation of cause, origin, and scope of damage of a Manitowoc 999 luffing jib crane collapse *

- Hotel Exterior Wall Failure - New Orleans, LA: Determination of cause, origin, and scope of damage of exterior walls clad with EIFS due to Hurricane Isaac *
- Low-Rise Hotels - Three Sites, South Florida: Determination of cause, origin, and scope of damage of building envelope systems, including EIFS and Portland cement stucco applied over metal lath and exterior gypsum sheathing *
- Warehouse Office - Jacksonville, FL: Determination of cause, origin, and scope of damage of an elevated floor structural collapse *

Litigation Consulting

- Porto Venezia - Fort Lauderdale, FL: Construction defect litigation of alleged defects, including foundation settlement, improper roofing, stucco, and windows of a five-story, ten-unit condominium *
- Roney Palace - Miami Beach, FL: Construction defect litigation involving previous concrete balcony repairs and installation of glass railings *
- Thirty-One-Story Condominium - Aventura, FL: Construction defect litigation of alleged defects, including waterproofing, plaza deck drains, and post-tension cables *

Structural Evaluation

- Office Complex - Guadalajara, Jalisco, Mexico: Review of design and partial construction of precast concrete frame office buildings, steel frame lab and warehouse, and cast-in-place concrete physical plant for compliance with gravity and seismic requirements of local codes ASCE 7-10 and IBC 2009 *

Roofing and Waterproofing

- Ocean Residences at Boca Beach Club Condominium - Boca Raton, FL: Design of replacement waterproofing system and architectural finishes *
- Vi at Aventura - Aventura, FL: Construction observation of 60,000-square-foot waterproofing system installation at plaza deck *

* Indicates with previous firm