

**Peter T. Ricchio | Principal Engineer – Large/Complex Loss, P.E., S.E.**

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**Professional Summary:**

Mr. Ricchio has over 13 years of experience in structural engineering and evaluation, specializing in forensic investigations, cause and origin investigations, condition assessments and structural analyses of existing buildings, rehabilitation and repair design, construction observations, and construction contract administrations.

**Licenses and Certifications:**

Professional Engineer, Illinois, License #062.061282

Structural Engineer, Illinois, License #081.006946

Professional Engineer, Puerto Rico, License #26941

Professional Engineer, New Jersey, License #24GE05182400

Professional Engineer, District of Columbia, License #PE908046

Structural Engineer, Massachusetts, License #51871

Professional Engineer, Texas, License #128108

Structural Engineer, Nevada, License #025242

Professional Engineer, Pennsylvania, License #PE087072

Professional Engineer, South Carolina, License #36080

Professional Engineer, North Carolina, License #047628

Professional Engineer, Florida, License #PE86056

Professional Engineer, Arkansas, License #18842

Professional Engineer, Ohio, License #84643

Professional Engineer, Wisconsin, License #47318-6

National Council of Examiners for Engineering and Surveying Record Holder

## Project Experience:

### Forensic and Failure Investigations:

#### **Salesforce Tower – San Francisco, California**

Performed a forensic investigation on behalf of multiple stakeholders of deep foundation elements that contained anomalies, preventing construction of the building superstructure. Coordinated and supervised the field evaluation, including documentation of existing conditions using field notes and photographs, material sampling, and non-destructive testing of in-situ materials. Provided documentation of existing conditions to all stakeholders and assisted the design team in determining the suitability of in place construction to support the building.

#### **Megatall Building – Kuala Lumpur, Malaysia**

Performed a forensic investigation of a partially constructed 4-meter-thick reinforced concrete raft slab after constructed was suspended mid-placement. Work performed included supervising the field investigation team, coordinating the removal of concrete cores samples, documenting core samples and core holes, and data reduction. Findings were presented to the design team to assist with the development of a repair plan.

#### **Hurricane Harvey Damage Assessment – Southeast, Texas**

Performed damage assessments to numerous residential structures, assessed causation, and developed conceptual repair recommendations.

#### **Tornado Damage Assessment – Dayton, Ohio**

Performed damage assessments to numerous residential structures, assessed causation, and developed conceptual repair recommendations.

#### **Partial Building Collapse – Chicago, Illinois**

Investigated the failure during construction of a precast concrete hollow core floor slab at a multi-story residential building.

#### **Partial Building Collapse – Southern Indiana**

Investigated the partial roof collapse during construction of a retail store following a severe rain event.

### Construction Observations and Quality Assurance:

#### **NASA Deep Space Communications Complex – Madrid, Spain**

Performed on-site construction observations and provided engineering support for the repairs to concrete antenna pedestals. Assisted with the interpretation of drawings and specifications for all stakeholders, verified that repairs were performed in accordance with construction documents, and coordinated the use of proprietary repair materials with the contractor and manufacturer.

#### **United States Department of Defense Construction Projects – Southeast Asia**

Performed on-site construction observations of multiple projects on behalf of the Owner to verify construction was in compliance with approved plans and specifications.

#### **High Risk Construction Oversight Program – New York City, New York**

Performed construction quality and safety inspections of numerous concrete construction projects throughout New York City.

### **Structural Evaluation and Repair Design:**

#### **Hotel Parking Structure – Chicago, Illinois**

Supervised and participated in the structural evaluation of a 1920's era multi-story reinforced concrete parking garage over occupied retail space and prepared a report of findings with budgetary cost estimates for repairs. Designed repairs to address floor slab, beam, column, wall, and ramp deterioration. Prepared repair drawings and specifications. Participated in pre-construction services, including Owner meetings, project kickoff meetings, and contractor submittal reviews. Held regular meeting with project stakeholders. Performed construction observations to verify compliance with contract documents. Reviewed contractor change orders and pay applications.

#### **Retail Parking Structure – Little Rock, Arkansas**

Project manager responsible for a \$5M repair project of a multi-story precast concrete parking structure. Prepared repair drawings and specifications. Participated in pre-construction services, including Owner meetings, project kickoff meetings, and contractor submittal reviews. Held regular meeting with project stakeholders. Performed construction observations to verify compliance with contract documents. Reviewed contractor change orders and pay applications.

#### **Retail Parking Structure – Western Pennsylvania**

Project manager responsible for a \$4M repair project of a multi-story precast concrete parking structure. Supervised and participated in the structural evaluation of a multi-story precast concrete parking structure and prepared a report of findings with budgetary cost estimates for repairs. Prepared repair drawings and specifications. Participated in pre-construction services, including Owner meetings, project kickoff meetings, and contractor submittal reviews. Held regular meeting with project stakeholders. Performed construction observations to verify compliance with contract documents. Reviewed contractor change orders and pay applications.

### **Court Qualifications/ Depositions:**

Litigation CV available upon request.

### **Professional Experience:**

EFI Global, Inc., Senior Forensic Engineer, 2019 – Present

CTLGroup, Senior Engineer, 2006 – 2019

### **Education:**

Master of Science, Civil Engineer, Purdue University, West Lafayette, IN, 2005

Bachelor of Science, Civil Engineer, Purdue University, West Lafayette, IN, 2004