

**BENJAMIN M. CORNELIUS, P.E., C.E., S.E.**

Partner

LERA Consulting Structural Engineers, RLLP  
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**Profile**

Benjamin Cornelius is a structural engineer with over 25 years of experience in the design and rehabilitation of structures, including tall buildings and other complex structures. His projects include the Broad Museum in Los Angeles, the renovation and expansion of the National Baseball Hall of Fame, and the supertall TransNational Place in Boston. Mr. Cornelius leads LERA's Forensic Investigations and Expert Witness Practice and is an experienced expert witness. He has conducted over thirty forensic investigations in North America, Europe, and Asia in disputes totaling over \$2 billion. He has provided consultations in disputes involving tall buildings, residential structures, embassy complexes, medical facilities, historic buildings, sports and entertainment structures, transportation facilities, and modular construction. He has led investigations into the collapse of steel and concrete structures. He has testified in mediation, arbitration, and court proceedings. Mr. Cornelius is immediate past Chair of the Executive Committee of ASCE's Forensic Engineering Division and has served as an adjunct faculty member at the Rhode Island School of Design.

**Professional Experience****LERA Consulting Structural Engineers (LERA)****2001 – Present**

Partner

2016 – Present

*Director*, LERA Investigations and Expert Witness Practice*Partner-in-charge*, LERA Partnership Communications*Project Experience*, Investigations

- *Collapse of a Reinforced Concrete Residential Tower*. Retained to investigate and serve as an expert witness in the collapse of a reinforced concrete residential structure in the U.S.
- *Construction Documents for an Airport Terminal*. Retained to evaluate the quality and completeness of construction documents for an 800,000-square foot terminal structure and provide expert witness services in mediation and litigation.
- *Structural Steel Connection Fit-up Issues and Failure*. Retained to investigate the causes of fit-up problems and a failure in a long-span sports structure in the U.S. Delivered presentations before a mediator and over 80 representatives of parties, attorneys, experts, and insurers at two mediation sessions.
- *Patent Infringement and Trade Secret Misappropriation*. Retained to investigate the technical aspects of a case involving steel modular construction systems.
- *Construction Logistics and Quality*. Retained to investigate the effects of changes to craneage on construction productivity and quality at a high-rise building project.
- *Design Standard of Care*. Retained to evaluate design professional standard of care issues in connection with a structural steel failure at a multi-billion-dollar transportation facility.
- *Differential Column Shortening*. Retained as an expert to evaluate the effects of differential shortening in a 50-story, reinforced concrete hotel structure.
- *Architectural Precast Concrete Cracking*. Retained to evaluate the causes of cracking in architectural precast concrete elements installed for an island park structure.
- *Steel Connection Failure*. Retained to investigate and provide expert services concerning a connection

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- failure at a large sports and entertainment structure under construction in the U.S.
- *High-Strength Steel Fasteners.* Retained to investigate and provide expert services concerning failures of large diameter, high-strength steel bolts at a high-rise building in Europe.
  - *Precast Concrete Pier Damage.* Retained to investigate and provide expert services in connection with damage to architecturally exposed precast concrete piers installed in a riverbed to support a park landscape constructed over a river.
  - *Reinforced Concrete Column Failure.* Retained at the direction of the authority having jurisdiction to investigate failures of columns in a 40-story residential building under construction.
  - *Collapse of Masonry Facade Construction.* Retained to investigate and provide expert services in connection with the collapse of back-up concrete masonry unit construction at a high-rise condominium tower under construction.
  - *Cracking in Galvanized Steel Spire.* Retained to investigate and provide expert services concerning cracks discovered in certain framing members installed in the spire of 1000-foot-tall office and hotel tower in the northeastern US.
  - *Long-span Airport Structure.* Retained to investigate and provide expert services concerning structural design revisions made to a long-span airport structure under construction in Central Asia.
  - *Precast Concrete Curtainwall Collapse.* Retained to investigate and provide expert services concerning a precast concrete curtainwall collapse at a 70-story condominium building under construction.
  - *Settlement Damage Due to Underpinning and Dewatering.* Retained to investigate and provide expert services concerning damage alleged to have been caused by underpinning and dewatering at an adjacent construction project.
  - *Stadium Steel Connection Design.* Retained to investigate and provide expert services concerning quality of contract documents produced for a stadium in North America.
  - *Flood Damage.* Retained to investigate and provide expert services concerning alleged damage to residential structures caused by site drainage associated with a new adjacent condominium complex.
  - *Structural Masonry Defects.* Retained to investigate and provide expert services concerning defects in a structural masonry and slab-on-deck residential building.
  - *Pillowing and Cracking of Concrete Structure.* Retained to investigate and provide expert services concerning undesirable expansion and cracking of concrete floor slabs over large areas of a mid-rise building under construction.
  - *Concrete Pool and Ancillary Structures.* Retained to investigate and provide expert services concerning cracking of a 40,000-sf concrete pool, surrounding concrete decks, and masonry bathhouses.
  - *Concrete Balconies at High-rise Residential Tower.* Retained to investigate and provide expert services concerning cracking and spalling of cantilevered concrete balconies and designed repairs at a high-rise residential building in North America.
  - *Concrete Foundations.* Investigated cracking of reinforced and plain concrete foundations observed at a 100-building residential complex.
  - *Mechanically Stabilized Earth (MSE) Retaining Walls.* Retained to investigate and provide expert services concerning cracking and purported settlement of MSE retaining walls.
  - *Adaptive Reuse of Existing Structure.* Retained to investigate and provide expert services concerning deviations from contract drawings and specifications for the reinforcement of existing floors to accommodate new equipment.
  - *Effects of Temporary Construction Loading.* Retained to investigate and provide expert services concerning claims of damage due to the installation and operation of construction equipment at an existing mid-rise condominium building.
  - *Historic Building Settlements.* Retained to investigate and provide expert services concerning settlement and cracking of a 5-story historic limestone and brick structure adjacent to deep excavations for a neighboring construction project in the northeastern United States.
  - *Single-Family Home Construction.* Retained to investigate and provide expert services concerning defects in wood structural components and concrete foundations at a custom single-family home in New York.
  - *Masonry Facades and Parking Slabs.* Retained to investigate and provide expert services concerning cracking in the masonry facade, foundation walls, and garage slab of a complex of condominium buildings in North America.
  - *Party Wall Water Intrusion.* Retained to investigate and provide expert services concerning water

infiltration from a building being renovated into the brick rowhome next door.

*Project Experience, Peer Review*

- *45 Broad Street, New York, NY.* Peer reviewed the secant pile walls and caisson foundations of this 80-story residential tower.
- *Effects of Adjacent Construction.* Reviewed project plans, specifications, filings, and license agreement requests for proposed developments and assessed potential effects on behalf of adjoining property owners.
- *138 East 50th Street, New York, NY.* Peer reviewed this 64-story condominium tower.

*Project Experience, Design*

- *Trinity Tower, Seattle, WA.* Structural Engineer-of-Record for this 30-story condominium tower with 7 subgrade levels, including the performance-based design of the seismic load resisting system.
- *Brooklyn College Science and Classroom Building Renovations, Brooklyn, NY.* Structural Engineer-of-Record for this feasibility study of major renovations of approximately 1-million square feet of space in two 1930s campus buildings to serve as Brooklyn College's new science lab and classroom buildings.
- *Hunter Campus Schools Expansion, New York, NY.* Structural Engineer-of-Record for this expansion of an existing educational building.
- *15 Broad Street, New York, NY.* Structural Engineer-of-Record for this 30th Floor interior and façade alteration.
- *Convention Center and Public Transit Blast Enhancements.* Prepared schematic designs of blast enhancements for a convention center design project in North America.

Associate Partner

2012 – 2015

*Director, LERA Investigations and Expert Witness Practice*

*Project Experience, Investigations*

- *Design and Construction Defects in High-rise Reinforced Concrete Condominium Building.* Retained to investigate and provide expert services in a matter involving design and construction defects discovered in a 50-story reinforced concrete hotel and condominium tower with post-tensioned concrete floors.
- *Airport Runway and Taxiway.* Investigated scaling, cracking, spalling, and other defects in a reinforced concrete runway structure in North America, measuring over 200 feet wide and 2 miles long.
- *Steel Pile Corrosion.* Investigated corrosion damage and predicted future performance of steel pile foundations at a government complex in Central Asia.
- *Structure and Building Services Coordination.* Investigated conflicts between building structure and services in a government facility in Europe.
- *Blast Design.* Investigated the adequacy of blast designs of a 90,000-sf reinforced concrete structure in Central Asia.
- *Pre-Cast Concrete Railway Structure.* Investigated cracking and spalling of pre-cast concrete deck panels supporting a 5-mile long segment of an operational commuter rail system and designed repairs.
- *Structural Drawings and Specifications Quality.* Investigated the quality of contract documents produced for a steel-framed, single-family home in North America.
- *Post-Tensioned Concrete Slabs.* Investigated the design and construction of post-tensioned slabs in a high-rise building in North America.

*Project Experience, Design*

- *Bureau of Land Reclamation, Boulder City, NV.* Project manager for this 45,000-sf office building, featuring architecturally exposed steel and concrete structural components.
- *CUNY Kingsborough Community College Performing Arts Center Renovations, Brooklyn, NY.* Project manager for alterations and additions to this existing facility.
- *CUNY Medgar Evers College, Carroll Street Building Renovations Feasibility Study, Brooklyn, NY.* Project manager for a feasibility study of alterations and additions to three interconnected academic buildings.
- *Broad Museum, Los Angeles, CA.* Project manager for the structural design of this 80,000-sf museum in collaboration with the team's local engineer. This project featured a nearly three-quarter-acre, column-free gallery space and 30-foot cantilevered, post-tensioned slabs.
- *Center for Design Innovation, Massachusetts School of Art, Boston, MA.* Project manager for the

adaptive reuse of an existing gymnasium building. The design featured a new structure housing a raised gallery and campus entry portal, a new exhibit hall, and the reconfiguration of existing spaces for classrooms and lecture halls.

## Senior Associate

2003 – 2011

*Engineering Staffing Manager, New York Office.* Coordinated with firm partners to allocate personnel to projects, identify hiring needs, and interview engineering candidates office wide.

*Project Experience, Investigations*

- *Structural Drawings and Specifications Quality.* Investigated the reasons for revisions to member sizes, connection forces, and details for a 90,000-seat stadium in Europe.
- *Embassy Complex.* Investigated quality of structural bid documents for, and the effects of seismic loading on, a complex of reinforced concrete structures in North America.
- *University Library.* Investigated excessive deflections of reinforced concrete slabs and cracking and spalling of concrete members at a 125,000-sf library in North America.

*Project Experience, Peer Review*

- *One World Trade Center (Freedom Tower), New York, NY.* Peer reviewed this 94-story super-tall office tower.
- *Two World Trade Center, New York, NY.* Peer reviewed this 78-story super-tall office tower.

*Project Experience, Design*

- *TransNational Place, Boston, MA.* Project manager for this supertall office building proposed for a site at 115 Winthrop Square. The project proceeded into design development phase before stopping in 2008 amid a slowing real estate market.
- *250 East 49th Street, New York, NY.* Project manager for this 24-story residential tower.
- *SUNY Stony Brook Graduate Chemistry Building Renovation, Stony Brook, NY.* Project manager for alterations and additions to this 300,000-sf classroom building.
- *773 Prospect Avenue, Bronx, NY.* Project manager for this 7-story shelter for battered women and their children.
- *Shelter Island House, Shelter Island, NY.* Project manager for this custom, 3500-sf, timber-framed home featuring 12-foot cantilevers and exposed cypress framing.
- *47 East 91st Street Condominium Building, New York, NY.* Project manager for this 9-story condominium tower built over an existing and continuously operating, one-story bank branch.
- *1281 Madison Avenue, New York, NY.* Project manager for the gut renovation of a rowhome.
- *Albert Einstein College of Medicine Comprehensive Opioid Treatment Facility, Bronx, NY.* Project manager for this new 45,000-sf healthcare building.
- *MetroGreen Condominiums, Stamford, CT.* Project manager for this 53,000-sf affordable housing building, featuring a concrete podium and four stories of wood-framed construction.
- *Stamford Ninth Grade Center, Stamford, CT.* Project manager for this 60,000-sf addition, built over the existing locker room facilities at Stamford High School. The project included a new gymnasium, entryway, classrooms, and 20-ft tall concrete retaining wall to address site slope.
- *Danbury HeadStart School, Danbury, CT.* Project manager for the gut-renovation and expansion of an existing school building.
- *Hampshire Country Club Renovation, Mamaroneck, NY.* Project manager for the renovation and expansion of the clubhouse.
- *NYC DEP West of Hudson Headquarters, Kingston, NY.* Project manager for the renovation and expansion of this 98,000-sf facility housing laboratories and the regional headquarters of the Department of Environmental Protection.

## Associate

2001 – 2002

*Project Experience, Design*

- *Las Vegas Springs Preserve Visitor Center, Las Vegas, NV.* Project manager for this 90,000-sf visitor center and exhibition space, featuring architecturally exposed structure and a 20,000-sf sunshade.
- *National Baseball Hall of Fame Renovation and Expansion, Cooperstown, NY.* Project manager for this renovation and expansion, which included repairs of existing masonry structures, expanded and reorganized galleries, and a new 3-story grand stair atrium with architecturally exposed steel framing.
- *Hunts Point Youth Center, Bronx, NY.* Project manager for this 10,000-sf gymnasium and community

center featuring exposed, arc-shaped steel roof girders spanning the gymnasium and indoor track.

### **Lawrence Gordon Architects (LGA)**

**2000 – 2001**

#### Designer

##### *Project Experience, Design*

- *Custom Home, Larchmont, NY.* Architectural designer and detailer of this custom home.
- *Municipal Building, Larchmont, NY.* Architectural designer and detailer of this volunteer ambulance corps building.
- *Various Renovation and Expansion Projects, Northeast U.S.* Designer and architectural detailer of several additions to single-family homes.
- *Introduced the firm to computer-aided drafting.*

### **LERA Consulting Structural Engineers (LERA)**

**1994 – 2000**

#### Associate

2000

##### *LERA Librarian*

##### *Project Experience, Design*

- *Federal Facility Security Enhancement, North America.* Project manager for this security upgrade project, which included reinforcements to an existing high-rise building to address blast loading, a blast-resistant site wall, and vehicle impact barriers.
- *Shanghai World Financial Center, Shanghai, China.* Project manager for design of this supertall office building.

#### Engineering Designer

1994 – 1999

##### *LERA Librarian*

##### *Project Experience, Investigations*

- *Chek Lap Kok Airport, Hong Kong.* Assisted in the review of the tied-arch roof system for this airport.

##### *Project Experience, Design*

- *St. Regis Hotel, Shanghai, China.* Project manager for this 38-story hotel.
- *Neiman Marcus Flagship Store Expansion, San Francisco, CA.* Project manager for this 5-story expansion of an existing department store. The project featured new retail space, a new truck dock, and seismic enhancements serving the combined building.
- *Rock & Roll Hall of Fame Circular Exhibit, Cleveland, OH.* Project manager for the fit-out of the circular exhibit space within the museum.
- *World Trade Center Renovations and Structural Integrity Inspections.* Designer of renovations to the complex, including security enhancements for pedestrian and vehicle attacks and tenant fit-outs. Structural integrity inspector for the facades of the twin towers and low-rise buildings, and the antenna atop One World Trade Center.
- *Federal Energy Regulatory Commission, Washington, D.C.* Reviewer of shop drawings for this reinforced concrete government building.
- *PANYNJ Heliport, New York, NY.* Designer of a new vehicle security gate at the entrance to the facility.
- *5 World Trade Center Emergency Generators, New York, NY.* Designer of supplementary framing and temporary measures to accommodate the installation of new rooftop generators.

## **Teaching Experience**

### **Rhode Island School of Design (RISD)**

**2011 – 2021**

Adjunct Faculty and Structural Advisor, Department of Interior Architecture, Adaptive Reuse Program

### **American Institute of Architects, Continuing Education System**

**2014 – 2019**

Presenter, "Adaptive Reuse – Structural Concepts and Approaches," delivered at various architectural firms.

### **Science Olympiad, Pleasantville Middle School**

**2015 – 2019**

**LERA**

Coach, Mission Possible Team

**Boston Society of Architects**

**2013 – 2014**

Structural Mentor for “Duck-Work Wood Landscape Concept,” Competition Finalist, *Urban Timber: From Seed to City*

## Professional Licenses and Designations

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|---|----------------|
| <b>Licensed Professional Engineer, New York</b>   | 1999 – Present |
| <b>Licensed Professional Engineer, New Jersey</b>   | 2015 – Present |
| <b>Licensed Professional Engineer, Rhode Island</b>   | 2016 – Present |
| <b>Licensed Professional Engineer, Pennsylvania</b>   | 2017 – Present |
| <b>Licensed Professional Engineer, Maryland</b>   | 2017 – Present |
| <b>Licensed Professional Engineer, Connecticut</b>  | 2017 – Present |
| <b>Licensed Professional Engineer, District of Columbia</b>   | 2017 – Present |
| <b>Licensed Professional Engineer, Florida</b>  | 2018 – Present |
| <b>Licensed Professional Engineer, Georgia</b>  | 2018 – Present |
| <b>Licensed Professional Engineer, Texas</b>  | 2018 – Present |
| <b>Licensed Professional Engineer, Indiana</b>  | 2019 – Present |
| <b>Licensed Professional Engineer, Louisiana</b>  | 2019 – Present |
| <b>Licensed Professional Engineer, Nevada</b>   | 2020 – Present |
| <b>Licensed Professional Engineer, Utah</b>   | 2022 – Present |
| <b>Licensed Professional Engineer, Alabama</b>  | 2022 - Present |
| <b>Licensed Civil Engineer, California</b>  | 2014 – Present |
| <b>Licensed Civil Engineer, Washington State</b>  | 2014 – Present |
| <b>Licensed Professional Civil Engineer, Massachusetts</b>  | 2017 – Present |
| <b>Licensed Structural Engineer, Washington State</b>   | 2014 – Present |
| <b>Designated Model Law Structural Engineer</b><br><i>National Council of Examiners for Engineering and Surveying (NCEES)</i> | 2014 – Present |

## Education

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|---|----------------|
| <b>Bachelor of Architectural Engineering, The Pennsylvania State University</b>                             | <b>1994</b>    |
| Phi Alpha Epsilon Architectural Engineering Honor Society   | 1994 – Present |
| Tau Beta Pi Engineering Honor Society   | 1992 – Present |
| Professional Practice Activities Award<br><i>Professional Engineers in Private Practice of Pennsylvania</i> | 1994           |
| Gladys M. Baird Memorial Scholarship Award  | 1993           |

## Publications

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|---|------|
| Editor and Co-Author, “ <b>Investigation of Constructed Facilities – Sampling Methodologies</b> ” | 2021 |
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American Society of Civil Engineers

- Co-Author, "**Chapter 6: Forensic Engineering Reports**" 2018  
*Guidelines for Failure Investigation: Second Edition*, American Society of Civil Engineers, Forensic Engineering Division, Committee on Forensic Investigation
- Author, "**Five Key Steps Project Teams Can Take to Manage Risk in Property Line Construction Projects**" 2016  
*The Critical Path*, Defense Research Institute, Construction Law Committee Newsletter, Volume 20, Issue 4
- Author, "**LERA Assists Property Owners Adjacent to Construction Projects**" 2016  
 LERA Summer 2016 Newsletter
- Author, "**Designing Structures for the Effects of Extreme Events**" 2016  
 Construction Law Seminar, Defense Research Institute, New Orleans, LA
- Author, "**Getting Back to Nature...in Las Vegas**" August 2008  
*Modern Steel Construction*
- Author, "**Exposed Structural Systems Enhance Sustainability**" April 2008  
*STRUCTURE Magazine*

## Presentations

- Moderator, Session F1, "**Forensic Investigations and Remediations**" April 2022  
 American Society of Civil Engineers, Structural Engineering Institute, Structures Congress 2022, Atlanta, GA
- Presenter, "**Enhancing Forensic Engineering through Custom Software Development**" April 2019  
 American Society of Civil Engineers, Metropolitan Section, Forensic Engineering Group, Continuing Education Lecture, New York, NY
- Moderator, "**Qualitative and Quantitative Sampling for Construction Defect Investigations**" November 2018  
 American Society of Civil Engineers, 8th Congress on Forensic Engineering, Austin, TX
- Speaker, "**Techniques and Protocols for Pre-Construction Surveys**" November 2018  
 American Society of Civil Engineers, 8th Congress on Forensic Engineering, Austin, TX
- Invited Presenter, "**Forensic Strategies that Illuminate the Root Causes of Problems on Construction Projects**" November 2018  
 American Society of Civil Engineers, Structural Engineering Institute, Geo-Structures Confluence 2018, St. Charles, MO
- Invited Presenter, "**Construction Dispute Resolution Through Forensic Engineering**" April 2018  
 American Society of Civil Engineers, Structural Engineering Institute, Structures Congress 2018, Fort Worth, TX
- Invited Co-Presenter with Kriton A. Pantelidis, "**Managing Design Professionals' Risk in the Design and Construction of Property Line Building Structures**" April 2018  
 American Society of Civil Engineers, Structural Engineering Institute, Structures Congress 2018, Fort Worth, TX
- Invited Co-Presenter with Kriton A. Pantelidis, "**Managing Risk in the Design and Construction of Property Line Building Structures**" October 2017  
 American Council of Engineering Companies, 2017 Fall Conference, Orlando, FL
- Invited Presenter, "**Four Strategies Forensic Engineers Use to Unravel Construction Disputes**" August 2017  
 Council of American Structural Engineers Risk Management Seminar, Chicago, IL
- Co-Presenter with Kriton A. Pantelidis, "**Risks of Property Line Construction for Design Professionals**" 2017  
 Defense Research Institute Construction Law Committee Webinar
- Invited Speaker, "**Four Key Strategies for Unraveling Construction Disputes**" 2016  
 Structural Engineers Coalition of Connecticut, New Haven, CT

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| Invited Panelist, <b>“Engineering and Construction Issues in Catastrophic Loss”</b><br>Defense Research Institute Construction Law Seminar, New Orleans, LA  | 2016           |
| Invited Presenter, <b>“Enhancing the Viability of Urban Housing Projects through Structural Buildover and Reuse”</b><br>Residential Building Design and Construction Conference, University Park, PA | 2016           |
| Co-presenter with Doug Gonzalez, P.E., <b>“Adaptive Reuse: Structural Concepts and Approaches”</b><br>Various Architectural Firms  | 2014 – Present |
| Panel Discussion Moderator, <b>“The Fog of Failures: Understanding and Explaining Complex Engineering Issues”</b><br>Construction Law SuperConference, San Francisco, CA                             | 2013           |
| Invited Presenter, <b>“The Art of Structural Design”</b><br>Rotary Club, Pleasantville, NY<br>Rotary Club, Briarcliff, NY  | 2010           |
| Invited Presenter, <b>“The World Trade Center”</b><br>Architectural Engineering Department, The Pennsylvania State University, University Park, PA   | May 2002       |
| Presenter, <b>“Comparison of Masonry Provisions: NYC Building Code versus IBC 2000”</b><br>Structural Engineers Association of New York, New York, NY  | 2002           |

## Project Honors and Awards

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| <b>MassArt Design and Media Center</b> , Boston, MA<br>American Architecture Award<br>The Chicago Athenaeum Museum of Architecture and Design/The European Centre for Architecture Art Design and Urban Studies<br>Design Award – Education Facilities Design<br>Boston Society of Architects (BSA)  | 2017<br><br><br><br>2016   |
| <b>The Broad</b> , Los Angeles, CA<br>Project of the Year, Southern California<br><i>Engineering News-Record (ENR)</i> Regional Best Projects<br>Best Project, Southern California – Cultural/Worship<br><i>Engineering News-Record (ENR)</i> Regional Best Projects<br>Grand Prize<br>46 <sup>th</sup> Annual Los Angeles Business Council (LABC) Architectural Awards<br>Finalist – Architecture + Engineering<br>Architizer A+ Awards<br>Design Award of Honor<br>American Institute of Architects New York (AIA NY)<br>Architecture Award<br>The Chicago Athenaeum Museum of Architecture and Design<br>Design Award of Honor<br>American Institute of Architects Los Angeles (AIA LA) | 2016<br><br><br><br>2016<br><br>2016<br><br>2016<br><br>2016<br><br>2015<br><br>2014 |
| <b>Las Vegas Springs Preserve Visitor Center</b> , Las Vegas, NV<br>Platinum Award for Engineering Excellence<br>American Council of Engineering Companies New York (ACEC NY)<br>Award of Merit<br>American Institute of Steel Construction, IDEAS Award   | 2008<br><br>2008   |



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| AIA Nevada Citation Award                    | 2007 |
| City of Las Vegas Mayor's Urban Design Award | 2007 |
| AIA Nevada Honor Award, Unbuilt Project      | 2003 |

## Professional Honors and Awards

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| <b>Certificate of Recognition, Public Service in Response to September 11, 2001 Terrorist Attack</b><br><i>American Society of Civil Engineers, New Jersey Section</i> | 2002 |
| <b>Certificate of Appreciation, World Trade Center Rescue and Recovery Effort</b><br><i>City of New York</i>   | 2001 |

## Professional Affiliations

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|---|----------------|
| <b>Member and Immediate Past Chair, Executive Committee</b><br><i>ASCE Forensic Engineering Division</i>                            | 2020 – Present |
| <b>Vice-Chair</b><br><i>ASCE Metropolitan Section, Forensic Engineering Group</i>   | 2019 – Present |
| <b>Member</b><br><i>ASCE Forensic Engineering Division</i>  | 2015 – Present |
| <b>Immediate Past Chair, Committee on Forensic Investigations</b><br><i>ASCE Forensic Engineering Division</i>                      | 2016 – 2018    |
| <b>Member</b><br><i>Structural Engineers Association of New York (SEAoNY)</i>   | 2016 – Present |
| <b>Member</b><br><i>ASCE Metropolitan Section, Forensic Engineering Group</i>   | 2014 – Present |
| <b>Affiliate Member, Forum on Construction Law, Design Division</b><br><i>American Bar Association</i>                              | 2012 – Present |
| <b>Member</b><br><i>American Society of Civil Engineers (ASCE)</i>  | 1998 – Present |
| <b>Chair, Professional Practice, Forensic Investigations Track</b><br><i>ASCE Forensic Engineering 7th Congress, Miami, Florida</i> | November 2015  |
| <b>Member</b><br><i>ASCE 2015 Forensic Congress Steering Committee</i>  | 2014 – 2015    |
| <b>Volunteer</b><br><i>Schoharie Area Long-Term (SALT) Relief Organization</i>  | 2013 – 2014    |
| <b>Past Chair, Masonry Committee</b><br><i>Structural Engineers Association of New York (SEAoNY)</i>                                | 2002           |

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