

Nar Sripadanna, P.E. | Principal Engineer

14950 Heathrow Forest Parkway, Suite 520, Houston, TX 77032

281-620-0399
nar@efiglobal.com

Professional Summary:

Mr. Sripadanna has been a structural engineer for 40 years. He evaluated structural damage from almost all the Gulf Coast Hurricanes since 2002. He designed new industrial and commercial structures, conducted failure investigations of residential, commercial, and industrial structures. Prepared remedial repair drawings to distressed structures. Mr. Sripadanna specializes in the following areas.

- Wind, Fire/Explosion, and Earthquake/ground vibration damage
- Structural Failure investigations including vehicular impacts.
- Structural calculations, design, and structural analysis.
- Water infiltration studies.
- 3d Computer modeling and finite element analysis.

Licenses and Certifications:

Professional Engineer, Alabama, #22879
Professional Engineer, Arizona, #32152
Professional Engineer, California, #C61950
Professional Engineer, Colorado, #43148
Professional Engineer, Florida, #PE0052840
Professional Engineer, Louisiana, #E27849
Professional Engineer, Mississippi, #17163
Professional Engineer, Nevada, #019035
Professional Engineer, New York, #0088749-1
Professional Engineer, New Jersey, #43330
Professional Engineer, North Carolina, #38923
Professional Engineer, Oklahoma, #23631
Professional Engineer, Pennsylvania, #PE077637
Professional Engineer, South Carolina, #29472
Professional Engineer, Texas, #77984
Professional Engineer, Utah, #7783177-2202

Project Experience:

EFI Global, Inc.

Hurricane Damage, Texas Freeze Damage, California Atmospheric River Damage, Texas and Louisiana Tornado Damage, and Explosion damage.

Evaluated hurricane damaged structures in the Gulf Coast since 2020 (Ian, Ida, and Laura).

Evaluated numerous structures damaged by Watson Grinding/TPC Explosion, vehicular impacts, and extreme weather events including tornadoes.

S&S Structural Consultants Inc.**Flood and explosion damage**

Evaluated tropical storm Imelda flood damage to residences in Houston and Beaumont. Evaluated explosion damage to residence in Port Neches from the TPC chemical plant.

Schlumberger/T&T Engineering Inc.**Designed Oil Rigs**

Designed land rigs and peer reviewed the design of offshore derricks on drill ships. Prepared technical reports on-feasibility of a new rig design in Russia.

FASC Inc.**Industrial Foundation Design and Commercial exterior wall design.**

Designed industrial foundations for tanks and equipment throughout the country. Prepared drawings and assisted customers in getting building permits. Designed exterior walls for schools, churches, and commercial buildings. Evaluated docks for ship impact.

Engineering Systems Inc.**Industrial and Commercial Losses**

Evaluated coal and grain silos, loading docks, crane failures, multi-story office building curtainwalls, tornado damaged apartments, and YMCA's.

Engineering and Fire Investigations.**Residential Plumbing Investigations and Hail Damage Assessments**

Evaluated residential foundations for plumbing losses for 6 years. Evaluated miscellaneous claims such as tank failures, cold storage structural failures, dormitories, loading docks, and grain storage facilities.

Law Engineering.**Existing Building Evaluation.**

Evaluated and repaired parking garages and commercial office buildings. Provided remedial repair drawings for building envelopes.

Srusti Architects.**New building design and construction.**

Performed structural designs for 6 movie theatres.

Professional Experience:

EFI Global, Inc., Principal Engineer, 2024 to Current.

EFI Global, Inc., Senior Structural Engineer, 2020 to 2023.

S&S Structural Consultants Inc., Principal Engineer, 2019-2020

Schlumberger/T&T Engineering Inc. Principal Structural Discipline Manager, 2012-2018

FASC Inc., Principal Engineer, 2008-2012

Engineering Systems Inc. Senior Consultant. 2002-2007

Engineering and Fire Investigations, Senior Engineer 1996-2002

Law Engineering, Principal Engineer, 1989-1996

Srusti Architects, Design Engineer, 1984-1987

Specialized Education:

Creo 3d modeling training Seminar, Impact System Inc., 2018
Schlumberger HSE manager training, 2018
Schlumberger Management Training 2017

Education:

Master of Science in Civil Engineering, Texas A&M University, College Station, Tx, 1992

Affiliations:

American Society of Civil Engineers
American Petroleum Institute

Publications and Presentations:

Sripadanna, Nar, "Mast Axial Capacities," ASCE Texas Section, 2016.
Sripadanna, Nar, "Parking Garage Column Repair with Carbon Fiber Reinforcement," ASCE Texas Section, 2005.
Sripadanna, Nar, "Collapse and Local Buckling of Structures," ASCE Texas Section, 2004.
Sripadanna, Nar, Paul Roschke, and Kevin Pruski, "Time-Dependent Behavior of Post-Tensioned Slab Bridge," ACI Structural Journal, May/June 1999.
Sripadanna, Nar, and David Nicastro, "Museum Mask," Failure Mechanisms in Building Construction, ASCE Press.
Sripadanna, Nar, "Remedial Construction of Texas Seaport Museum," ASCE Texas Spring Section Meeting, 1995.
Sripadanna, Nar, "Distresses 'Designed-into' Parking Garage Structures – Problems and Solutions," International Concrete Repair Institute's (ICRI) Magazine, May/June 1994.
Sripadanna, Nar, "Forensics and Finite Elements," ASCE Texas Fall Section Meeting, 1994.
Sripadanna, Nar, "A Project Profile of a Parking Garage Structural Failure," ACI Spring Convention, 1994 in San Francisco.
Sripadanna, Nar, "Experimental and Analytical Study of Post-tensioned Slab Bridge," ASCE Texas Fall Section Meeting, 1992.

Honors and Awards:

EFI Global Pinnacle Award 2021-2022, President's Award, Law Engineering, Client Service – Texas Seaport Museum, 1993, Eagle Award, Law Engineering, Structural Damage Assessment – Northridge Earthquake in Los Angeles, 1994