



**RAMA PRANAV KRISTAM, M.S., P.E.
SENIOR CONSULTANT**

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Rama Pranav Kristam is a Senior Consultant in ESI’s Civil Structural and Environmental practice, with over 10 years of combined experience in design and forensic structural engineering. He brings significant expertise in structural forensic investigations, construction defect analysis, design structural engineering, expert testimony, and repair method analysis for both commercial and residential structures. His comprehensive experience covers the full project lifecycle, including the development of conceptual drawings, construction drawings, construction administration, diagnostic and performance analysis, risk assessment, failure analysis, and repair method analysis. Additionally, Mr. Kristam has significant project management experience.

Over his decade-long career, Mr. Kristam has gained extensive experience in forensic investigations and structural engineering. As a Forensic Engineer at Charles Taylor Engineering Technical Services and Polaris Forensics, he conducted detailed forensic investigations of residential and commercial structures, assessing damage from wind, hail, fire, and flooding. In his role as Vice President of Engineering at A1 Industries, he oversaw structural analysis and design for residential buildings across Florida, Georgia, and South Carolina. His hands-on approach involves collaborating directly with clients and teams to develop, implement, and manage projects focused on structural analysis, damage assessment, and forensic investigations.

Areas of Specialization

- Structural Forensic Investigations for commercial and residential structures
- Design Structural engineering for commercial and residential structures
- Construction Defect Analysis
- Repair Method Analysis
- Expert Testimony

Education

- B. Tech, National Institute of Technology, Warangal, India (NITW) 2013
- M.S., State University of New York-University at Buffalo (UB), 2015

Licenses/Certifications

- State of AlabamaP.E. License PE50186
- State of ConnecticutP.E. License PEN0036538
- State of CaliforniaP.E. License 90957
- State of FloridaP.E. License 88906



State of GeorgiaP.E. License PE046258
State of LouisianaP.E. License PE.0046161
State of MississippiP.E. License 33132
State of North CarolinaP.E. License 50062
State of New JerseyP.E. License 24GE05835400
State of New YorkP.E. License 106977
State of PennsylvaniaP.E. License PE093531
State of South CarolinaP.E. License 37562
State of TexasP.E. License 145246
State of VirginiaP.E. License 0402067093
State of West VirginiaP.E. License 25231
FAA Remote PilotLicense 4532394
Level 2 Thermographer.....Certificate No. 152135830

Professional Affiliations

The Property and Liability Resource Bureau (PLRB)
South Florida Claims Association
Tampa Bay Claims Association
Orlando Claims Association
Community Associations Institute of Central Florida
American Society of Civil Engineers

Positions Held

Engineering Systems Inc, Miami, Florida
Senior Consultant, June 2024 - Present
Charles Taylor Engineering Technical Services, Port Saint Lucie, Florida
Forensic Engineer, February 2024 – June 2024
Polaris Forensics, Port Saint Lucie, Florida
Project Director, June 2021 – Feb 2024
A1 Industries, Fort Pierce, Florida
Vice President of Engineering, January 2020 – May 2021
HNTB, New York, New York
Structural Engineer II, April 2019 – January 2020
Armour Unsderfer Engineering LLC, New York, New York
Lead Project Engineer, January 2017 – April 2019

Glisanz Murray Steficek LLC, New York, New York
Structural Engineer, May 2015 – January 2017

Publications

Sources of Crack Growth in Pretensioned Concrete-Bridge Girder Anchorage Zones After Detensioning. (2016). *ASCE Journal of Bridge Engineering*, doi:10.1061/(ASCE)BE.1943-5592.0000928.