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RITUSH PAHARI, E.I.
SENIOR STAFF CONSULTANT
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Ritush Pahari is a Senior Staff Consultant for ESi. Mr. Pahari has professional experience of over 6 years in forensic engineering. He possesses skills in a wide range of engineering services with an extensive knowledge in structural problems and failures. He specializes in performing assessments of the roof systems for residential and commercial structures to determine the extent of damage that may have resulted from exposure to wind/hail, and subsequently resulted in water intrusion. He has performed post-hurricane structural assessments of residential and commercial structures to determine the damage as a result of major Hurricanes including Hurricane Matthew, Hurricane Irma, Hurricane Michael and Hurricane Ian. He has experience with performing assessments for residential and commercial structures to determine the extent of structural damage that may have resulted from vehicle impact, tree impact, wind and storm surge. He also specializes in performing assessments to determine cause, origin, extent and duration of moisture-related damage to various building components. Additionally, his work has included investigations of construction defects for residential and commercial structures.

Mr. Pahari also has experience with performing floor elevation surveys with the use of a zip level and water level manometer to determine the relative elevation difference of the surfaces in a structure. He has been involved with acquisition of field data, research and review of forensic documents. In addition, he has experience with performing hand auger borings, foundation test pit excavations and collection of data for sub-surface conditions.

Areas of Specialization

- Cause and Origin Damage Assessments
- Damage / Failure Analysis
- Settlement / Subsidence Analysis
- Sinkhole Investigations and Structural Damage Determination F.S. 627.706
- Building Envelope Investigations
- Design Deficiencies
- Oversight of Destructive Testing
- Water Leakage Investigations
- Flooring Damage Assessments
- Impact Damage Assessments
- Wind Damage Assessments
- Hail Damage Assessments
- Doors and Windows Assessments

Education

B.S., Civil Engineering, University of South Florida, 2016
M.E., Civil Engineering, University of South Florida, 2020



Professional Affiliations/Honors

National Council of Examiners for Engineering and Surveying (NCEES)
American Society of Civil Engineers (ASCE)

Certifications / Trainings

Aerial Work Platforms / Lyft Operation Training
Second Responder Inspector
Endorsement of Proficiency "When Disaster Strikes"
First Aid Training
CPR / AED Training
OSHA Ladder Safety Training

Positions Held

Engineering Systems Inc., St. Petersburg, Florida
Senior Staff Consultant, 2023 - Present

Envista Forensics, Tampa, Florida
Project Consultant, 2021 – 2023

NV5, Tampa, Florida
Structural Forensic Project Coordinator, 2019 – 2021

GHD, Tampa, Florida (Forensic Department acquired by NV5 in 2019)
Structural Forensic Project Coordinator, 2017 – 2019

Bracken Engineering, Jacksonville, Florida
Project Engineer, 2016 – 2017

Bracken Engineering, Tampa, Florida
Structural Intern, 2016

Tampa Hillsborough Expressway Authority, Tampa, Florida
Intern, 2015