

FORCON INTERNATIONAL

WASEEM ANSARI, P.E.

SUMMARY

Mr. Waseem is an experienced forensic engineer, who has conducted forensic analyses for Civil, Structural, and Mechanical Engineering field investigations including, but not limited to flood damage, wind damage, structural damage, visual inspections and non-destructive examinations.

EDUCATION

Master of Science in Civil Engineering - University of Illinois at Urbana-Champaign (In progress)

Bachelor of Science in Mechanical Engineering - University of Texas at Austin, 2010

REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineer:

- Florida #85536
- District of Columbia #908993
- Louisiana #42363
- Texas #121618
- Oklahoma #30165
- Virginia #0402057579

CONTINUING EDUCATION

Courses and/or Certifications completed in the following:

- Roofing and Waterproofing, 2020
- Condensation and Fungal Growth, 2019
- Fungal Growth Duration, 2019
- Roof Assessments, 2019
- Assessment and Evaluation Methods and Tools of Structural Forensic Investigations, 2019
- Repair of Historic Clay Tile Roofs, 2019
- Case Histories in Infrastructure Engineering, 2018
- Internal Curing of Concrete Pavements, 2018
- Deterioration of Concrete, 2018
- Distressed Pavements Identification, 2018
- Foundations in Expansive Soils, 2018
- Design of Heavy Duty Concrete Floor Slabs on Grade, 2018
- Process Safety Management Compliance, 2017
- Compliance Auditing, 2017

CAREER HISTORY

FORCON International – Civil/Mechanical Engineer

Conducting forensic investigations and analysis as it relates to his fields of expertise.

QED Global Solutions, LLC - Forensic Engineer

- Over 400 forensic investigations performed.
- Ability to provide decisive, impartial, and precise origin of cause investigations.
- Specializing in residential and commercial claims.
- Experience working with building consultants (BC), public adjusters (PA), homeowners, and business owners.
- Evaluating claims involving sabotage.
- Assessing collateral damage (ex. Neighboring properties) and weather reports.

FORCON INTERNATIONAL

- Experienced in communicating only the necessary information with homeowners/business owners.

Flood Claims Summary:

- Performing structural slab assessments.
- Performing assessments on dwellings built on pier and beam foundations.
- Assessing dwellings built on wood post pilings.
- Assessing effects of wave action on wood post pilings.
- Foundation elevation surveys using SmartLevel or ZipLevel Pro.
- Experienced in providing repair strategies (ex. Structural slab, brick veneer).
- Assessing the movement of brick veneer exterior walls (ex. Lack of brick ties).
- Experienced in performing sheathing penetration tests.
- Performing moisture content readings on sheathing.
- Experienced in identifying damage on sheathing and providing repair plans.
- Assessing condition of velocity flow resulting in scouring/erosion.
- Experienced in evaluating false claims and looking for collateral damage.

Wind/Hail Claims Summary:

- Identifying existing moisture damage in dwelling.
- Experienced in identifying cause of moisture stains/damage (ex. Chimney flashing).
- Experienced in evaluating weather report in combination with field inspection results.
- Knowledgeable in assessing the difference between recent damage and damage due to long term deterioration (ex. Damage due to recent high wind speeds vs. long term granule loss).
- Evaluating condition of shingles (ex. Differentiation between hail damage and blistering).
- Knowledgeable in assessing roof framing damage as a result of high wind speeds.
- Experienced in assessing collateral damage in neighboring properties and landscaping (ex. Leaning trees, broken branches).
- Experienced in identifying long term deterioration in attic (ex. Dark fungal growth).
- Knowledgeable in assigning root causes for the moisture damage observed (ex. Exposed nail with no weather sealant, storm created openings in roof, creased shingles, unsealed pipe jacks, deterioration of ridges, etc.).
- Wind and hail damage assessments including condition of shingles.
- Experienced in assessing the damage of high wind speeds to brick veneer (ex. Brick ties).
- Adept in accessing crawlspaces, attic, and roofs safely.

ABS Consulting - Project Manager / Senior Engineer

- Management of engineers and technicians.
- Performed visual inspections.
- Performed Corrosion under insulation inspections.
- Implemented Risk Based Inspection programs.
- Implemented Integrity gap assessments.
- Performed Fitness for Service Assessments.
- Performing corrosion reviews.

Sentinel Integrity - Asset Integrity (AIMS) Division Manager

- Investigating failures and recommending future inspection techniques.
- Consulting with owner/users on a regular basis to ensure Integrity issues are being adequately resolved.
- Recruiting of inspection & engineering professionals.
- Managing divisional budgeting and P&L.
- Extensive Project management skills: bid proposals, kick off meetings, scope changes, auditing, close-out meetings, Gantt Charts, P&L.
- Management of a 15-20 personnel team consisting of engineers and inspectors.

Sentinel Integrity - Asset Integrity Mechanical Engineer

- Performed risk analysis.
- Reviewed inspection history to produce inspection test plans.
- Evaluated history to determine corrosion rates and future inspection strategy.

- Made NDE recommendations on inspection techniques.

IRISNDT Engineering Services - Mechanical Engineer

- Led interdisciplinary team to provide inspection recommendations.
- Researched and presented on NDT techniques.
- Trained and mentored inspectors.

PinnacleAIS - Asset Integrity Consultant

- Experience with conducting stress analysis using FEA software.