

NASIR M. ALAM, P.E. - Principal in Charge



PRACTICE AREAS

- Forensic Engineering
- Structural Evaluation
- Litigation Assistance
- Structural Design
- Peer Review
- Code Compliance
- Façade Assessment
- Repair and Rehabilitation
- Historic Preservation
- Hurricane Protection
- Cost Estimating, Scheduling and Contract Administration
- Solid Waste Disposal Systems and Management
- Glazing, Windows & Doors
- Investigations And Reports
- Marine/Structures
- Civil - Municipal Facilities
- Roofing and Waterproofing
- Environmental

EXPERIENCE

Over 30 Years of experience with special skills and training in structural analysis and design of low, mid and high-rise residential, commercial and public buildings.

Extensive knowledge in Code Compliance, conducting investigations, preparing reports and making recommendations for a variety of construction and building structural and functional problems.

STRUCTURES

Structural analysis and design of low, mid and high-rise residential, commercial and public buildings, airport facilities, train guide way structure, shopping centers, industrial buildings of reinforced concrete and structural steel utilizing the latest design techniques. Structural design of girders, frames, trusses, arches and prefab structures. Design of prestressed, post tensioned girders, flat plates, hollow core slabs, folded plate systems and shells. Design of bridges, elevated train track support system, ramps and industrial use floor systems. Structural investigation of numerous existing structures, determination of structural capacity and compliance with applicable codes, reports, cost estimates. Design of repairs to the structures in distress or damaged. Pier review and Value Engineering services for numerous clients.

Testified as an expert in many cases related to Structural Engineering, Code Compliance, Standards of Industry, Delay Claims, and other engineering related Codes.

Expert in Code Compliance, Cost Estimate, Chinese-Drywall, Structural Analysis, Building Systems, Waterproofing, Building Envelope, Windows and Doors, Paint, Stucco, and many other Building Systems