

FORCON INTERNATIONAL

DARA M. ZOLKOWER, P.E., LEED® AP

EDUCATION

Bachelor of Science in Engineering degree in Civil Engineering with a specialization in Structural Engineering, University of South Florida, Tampa, FL June 1982.

SUMMARY

Mrs. Zolkower has worked in the Tampa Bay area since 1982 as a structural design and forensic engineer and project manager. Her responsibilities in forensic investigations include inspections, evaluation, research, construction accident reconstruction and compilation of summary reports and is a LEED® AP (accredited professional).

MEMBERSHIPS

National Council of Engineering Examiners
International Code Council (ICC)

PROFESSIONAL LICENSES

State of Florida Registered Professional Engineer (1988). # 40290
State of Louisiana Registered Professional Engineer (2004) # 31135
State of Ohio Registered Professional Engineer (1996) # 60745
State of North Carolina Registered Professional Engineer (2003) #28783
State of Georgia Registered Professional Engineer (2008) # 033398
State of Alabama Registered Professional Engineer (2008) # 29865
State of Virginia Registered Professional Engineer (2008) # 45278
Florida Threshold Inspector (1992). # 968

CAREER HISTORY

Forcon International Corp. - Senior Structural Engineer responsible for investigations and expert witness services associated with structural failures, construction defects, property damage, moisture intrusion, building code compliance, and other issues related to structural engineering.

Dara M. Zolkower & Co., Inc. 126 Buena Vista Drive South, Dunedin, FL 34698 - Principal of private structural engineering consulting firm 1989 -2008.

McCarthy & Associates, Clearwater, FL - Duties included structural design, engineering and inspection of commercial, residential, and industrial buildings and structures as well as management of draftsmen and junior engineers.

Chris Walker & Associates, Bradenton, FL- Duties included structural design, engineering and inspection.

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Paxton & Associates, Tampa, FL- Duties included structural design, engineering and inspection.

Tylk, Wright & Gustafson, Clearwater, FL - Duties included structural design, engineering and inspection, heavy emphasis on field inspections.

EXPERIENCE

Forensic Engineer and Expert Witness.

- Structural settlement and cracking
- Code compliance
- Evaluation of fire damage of concrete, steel or timber structures.
- Spalled and cracked concrete structures
- Evaluation of termite damaged structures
- Moisture Intrusion
- Roof ponding
- Evaluation of structural defects resulting in bodily injury.
- Evaluation of beam and floor deflection.
- Structure and foundation repair due to storm damage and erosion.
- Construction accident reconstruction.
- Evaluation of vibrations alleged to have caused property damage.

Design of Commercial, Industrial and Residential Buildings and Structures.

Structural Systems:

- Two-Way reinforced flat plate concrete slabs.
- Post-Tension concrete slabs.
- Prestressed precast hollow-core, Condec or Filigree slabs.
- Tilt-up concrete wall panels.
- Masonry.
- Steel Joist and composite joist floor systems.
- Composite metal deck/steel beam design.
- Long span steel trusses.
- Timber systems of all varieties.
- Timber and concrete pile foundation systems for residential construction in V-Zones.
- Aluminum structures.
- Foundation systems for pre-engineered/fabricated metal buildings.
- Retaining walls
- Foundation and Pier Repair
- Concrete restoration and waterproofing
- Sea walls
- Bleachers and Stadiums
- Storefront and Design
- Second story additions.